

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061339.D
 Acq On : 26 Mar 2019 16:40
 Operator : VA/AP
 Sample : K2047-05MSD
 Misc : 8.88g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:27 PM

Quant Time: Mar 27 09:27:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	562886	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	981721	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	798130	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	351288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	284930	58.67	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	117.34%	
35) Dibromofluoromethane	6.92	113	443958	59.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	118.20%	
50) Toluene-d8	10.40	98	1049888	57.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	115.28%	
62) 4-Bromofluorobenzene	13.55	95	358746	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	326220	56.684	ug/l	98
3) Chloromethane	1.77	50	249372	55.547	ug/l	96
4) Vinyl Chloride	1.86	62	267767	63.790	ug/l	99
5) Bromomethane	2.16	94	51173	60.063	ug/l	93
6) Chloroethane	2.28	64	85915	65.059	ug/l	97
7) Trichlorofluoromethane	2.53	101	328132	52.884	ug/l	100
8) Diethyl Ether	2.87	74	121308	65.754	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	363925	57.625	ug/l	96
10) Methyl Iodide	3.31	142	562450	63.748	ug/l	96
11) Tert butyl alcohol	4.05	59	71363	276.043	ug/l	100
12) 1,1-Dichloroethene	3.14	96	334556	61.564	ug/l	98
14) Allvl chloride	3.62	41	429538	55.720	ug/l	97
15) Acrylonitrile	4.19	53	314498	345.917	ug/l	99
16) Acetone	3.21	43	399115	343.583	ug/l	97
17) Carbon Disulfide	3.38	76	1101376	61.025	ug/l	98
18) Methyl Acetate	3.64	43	204406	93.094	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	590559	61.707	ug/l	97
20) Methylene Chloride	3.81	84	388036	58.856	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	353141	58.088	ug/l	94
22) Diisopropyl ether	5.11	45	1012323	62.337	ug/l	90
23) Vinyl Acetate	5.04	43	1393921	160.712	ug/l	99
24) 1,1-Dichloroethane	4.99	63	581334	61.430	ug/l	98
25) 2-Butanone	6.06	43	409767	304.980	ug/l	96
26) 2,2-Dichloropropane	6.01	77	335331	41.731	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	404062	61.762	ug/l	98
28) Bromochloromethane	6.43	49	223138	56.333	ug/l	98
29) Tetrahydrofuran	6.45	42	211882	316.824	ug/l	99
30) Chloroform	6.66	83	606307	60.122	ug/l	98
31) Cyclohexane	6.94	56	472047	61.457	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	529332	59.266	ug/l	99
36) 1,1-Dichloropropene	7.14	75	443166	55.175	ug/l	97
37) Ethyl Acetate	6.18	43	205465	61.244	ug/l	99
38) Carbon Tetrachloride	7.10	117	507533m	55.287	ug/l	
39) Methylcyclohexane	8.85	83	471078	56.630	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061339.D
 Acq On : 26 Mar 2019 16:40
 Operator : VA/AP
 Sample : K2047-05MSD
 Misc : 8.88g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 WP022SB431-190320-(21-23)MSD

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:27 PM

Quant Time: Mar 27 09:27:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.45	78	1186096	59.459	ug/l	99
41) Methacrylonitrile	6.44	41	230722	59.182	ug/l	95
42) 1,2-Dichloroethane	7.57	62	355384	57.164	ug/l	97
43) Isopropyl Acetate	9.23	43	270870	55.996	ug/l	94
44) Trichloroethene	8.53	130	448612	62.184	ug/l	98
45) 1,2-Dichloropropane	8.93	63	318281	64.647	ug/l	99
46) Dibromomethane	9.05	93	209530	62.087	ug/l	99
47) Bromodichloromethane	9.37	83	462481	58.468	ug/l	96
48) Methyl methacrylate	9.11	41	169448	65.631	ug/l	97
49) 1,4-Dioxane	9.06	88	37761	1332.998	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	965049	335.132	ug/l	97
52) Toluene	10.50	92	669843	54.879	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	379847	55.256	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	449871	53.593	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	253045	62.445	ug/l	98
56) Ethyl methacrylate	11.03	69	245646	56.808	ug/l	100
57) 1,3-Dichloropropane	11.39	76	373056	60.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	616385	274.001	ug/l	97
59) 2-Hexanone	11.52	43	631657	302.021	ug/l	99
60) Dibromochloromethane	11.68	129	386893	60.959	ug/l	98
61) 1,2-Dibromoethane	11.80	107	300812	63.533	ug/l	98
64) Tetrachloroethene	11.25	164	429353	78.091	ug/l	98
65) Chlorobenzene	12.39	112	1057904	71.962	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	341210	59.866	ug/l	98
67) Ethyl Benzene	12.52	91	1294397	57.534	ug/l	100
68) m/p-Xylenes	12.66	106	567580	64.628	ug/l	98
69) o-Xylene	13.04	106	434900	53.394	ug/l	95
70) Stvrene	13.07	104	740091	53.539	ug/l	96
71) Bromoform	13.23	173	213128	61.107	ug/l #	96
73) Isopropylbenzene	13.39	105	1249846	54.701	ug/l	98
74) N-amyl acetate	13.26	43	210876	35.276	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	270239	60.990	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	242480	55.504	ug/l	95
77) Bromobenzene	13.67	156	366854	57.480	ug/l	90
78) n-propylbenzene	13.77	91	1387893	53.840	ug/l	98
79) 2-Chlorotoluene	13.84	91	894558	59.602	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	342377	18.995	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	70090	50.837	ug/l	100
82) 4-Chlorotoluene	13.94	91	782823	47.709	ug/l	95
83) tert-Butylbenzene	14.18	119	997930	48.490	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	342377	18.995	ug/l	96
85) sec-Butylbenzene	14.36	105	1162871	50.737	ug/l	96
86) p-Isopropyltoluene	14.49	119	1029542	50.349	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	549359	48.561	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	552690	50.435	ug/l	96
89) n-Butylbenzene	14.79	91	857359	47.226	ug/l	98
90) Hexachloroethane	15.00	117	308309	56.236	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	507963	56.273	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	35304	63.764	ug/l	68
93) 1,2,4-Trichlorobenzene	15.94	180	229847	55.133	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
Data File : VD061339.D
Acq On : 26 Mar 2019 16:40
Operator : VA/AP
Sample : K2047-05MSD
Misc : 8.88g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM

Quant Time: Mar 27 09:27:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.03	225	151394	45.069	ug/l	99
95) Naphthalene	16.12	128	381205	62.668	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	106274	54.580	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

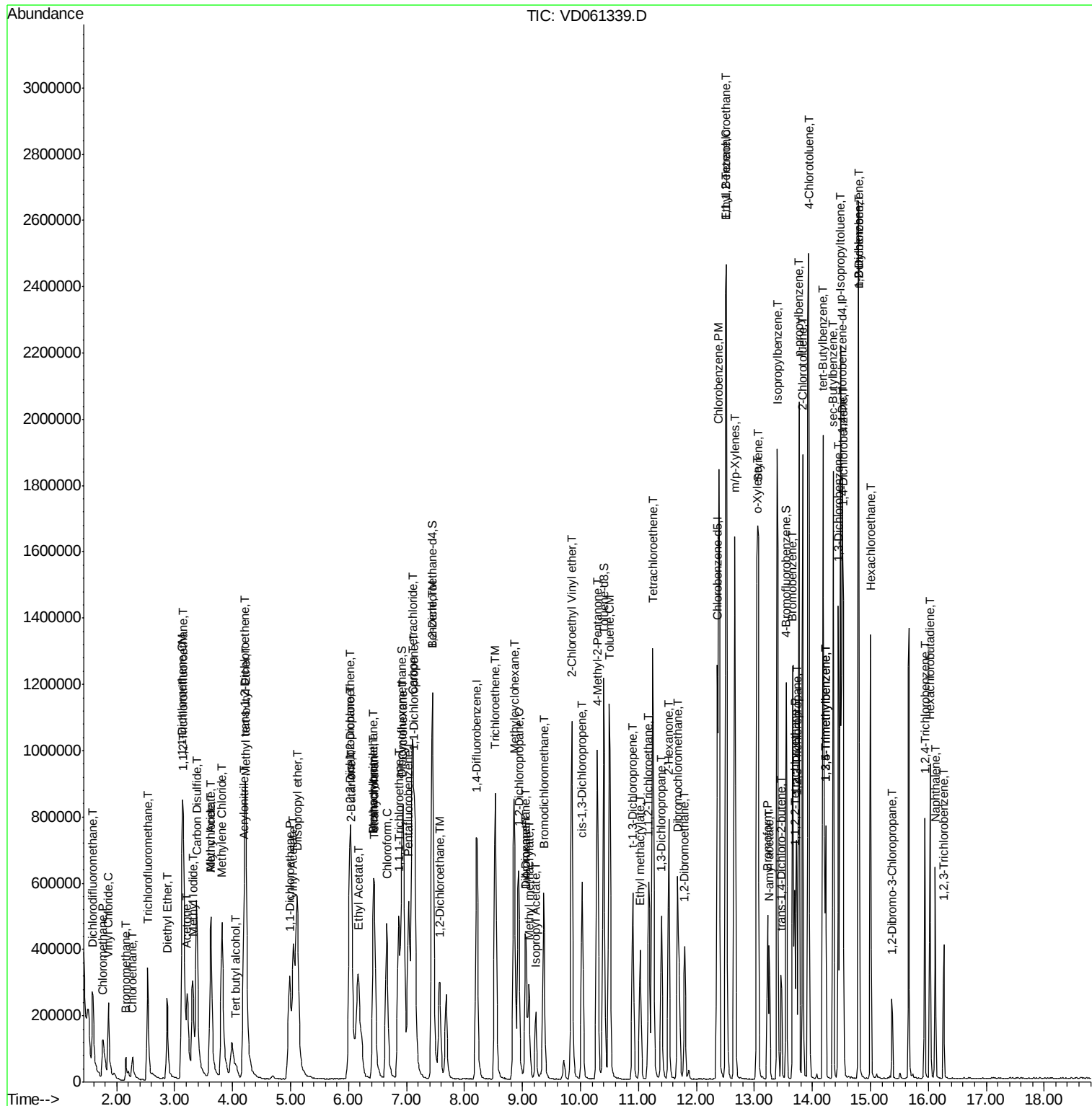
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061339.D
 Acq On : 26 Mar 2019 16:40
 Operator : VA/AP
 Sample : K2047-05MSD
 Misc : 8.88g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

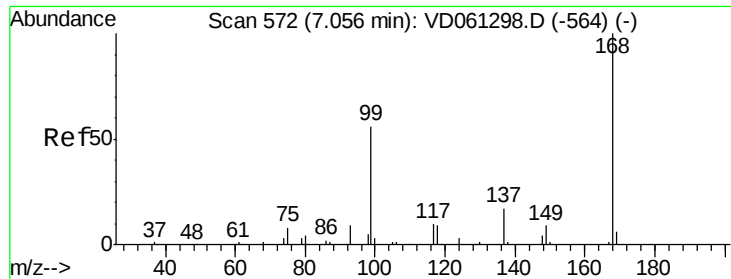
Instrument :
 MSVOA_D
 Client Sample ID :
 WP022SB431-190320-(21-23)MSD

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:27 PM

Quant Time: Mar 27 09:27:52 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:168 Resp: 562886

Ion Ratio Lower Upper

168 100

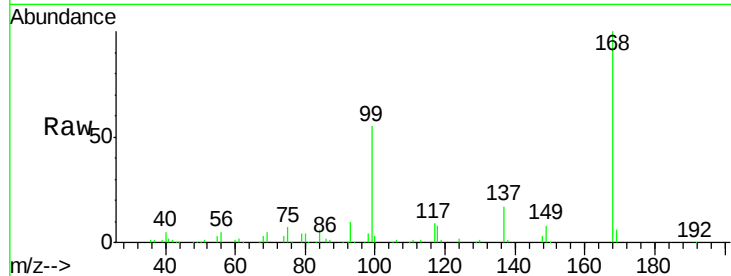
99 55.5 45.8 68.8

Manual Integrations

APPROVED

MMDadoda

3/27/2019 12:02:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

150000

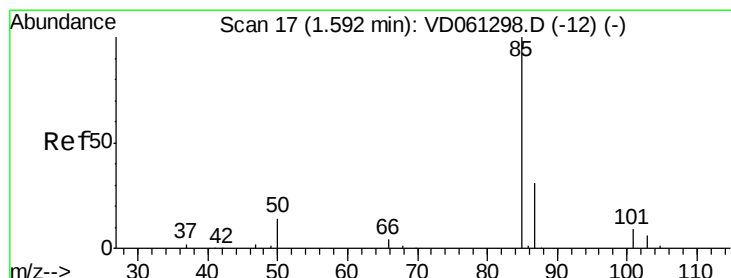
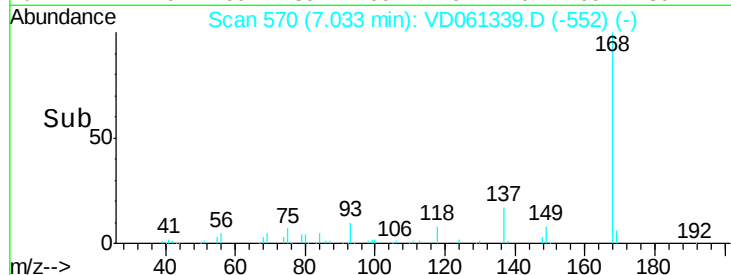
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 56.684 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061339.D

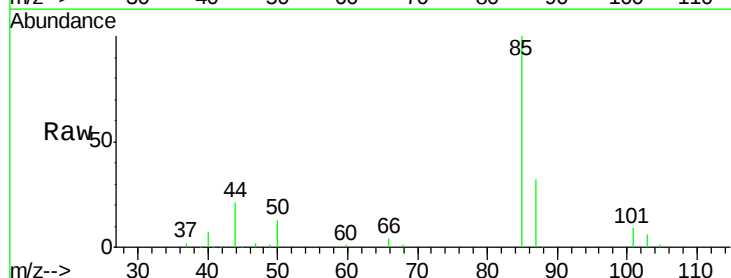
Acq: 26 Mar 2019 16:40

Tgt Ion: 85 Resp: 326220

Ion Ratio Lower Upper

85 100

87 31.9 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

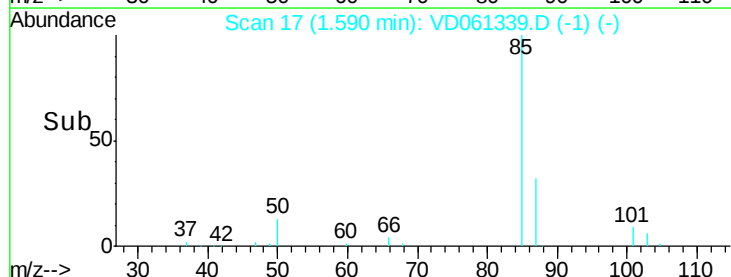
100000

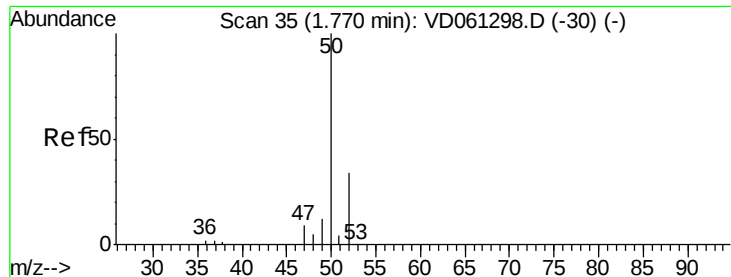
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 55.547 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion: 50 Resp: 249372

Ion Ratio Lower Upper

50 100

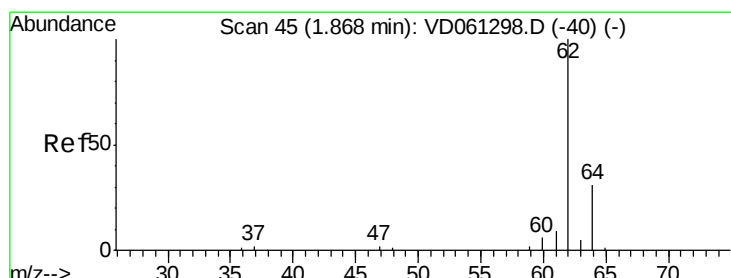
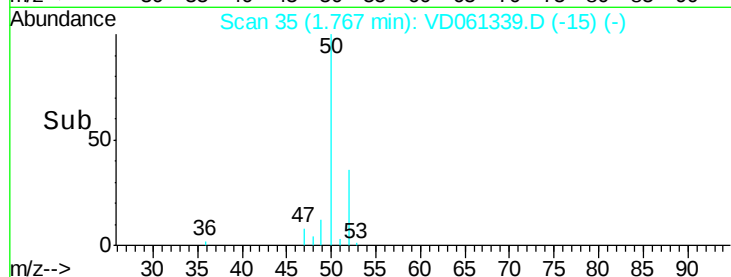
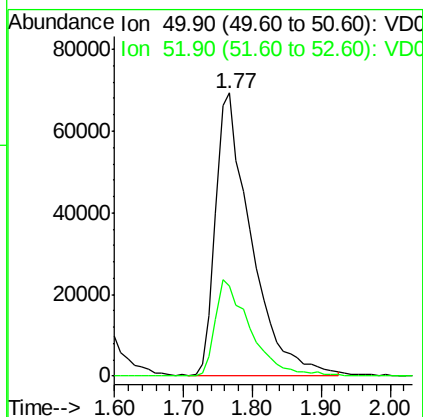
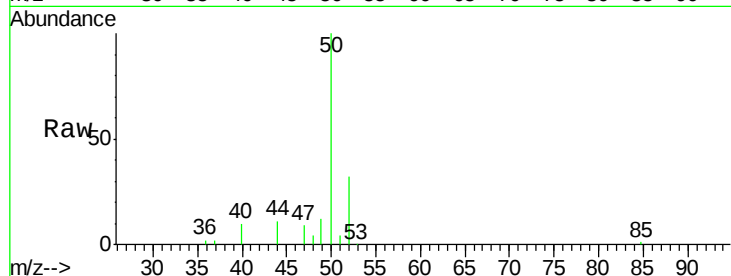
52 31.8 27.1 40.7

Manual Integrations

APPROVED

MMDadoda

3/27/2019 12:02:27 PM



#4

Vinyl Chloride

Concen: 63.790 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061339.D

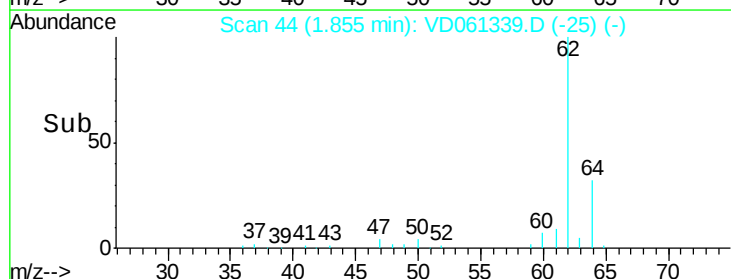
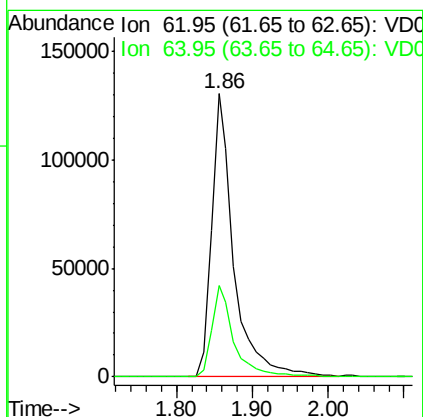
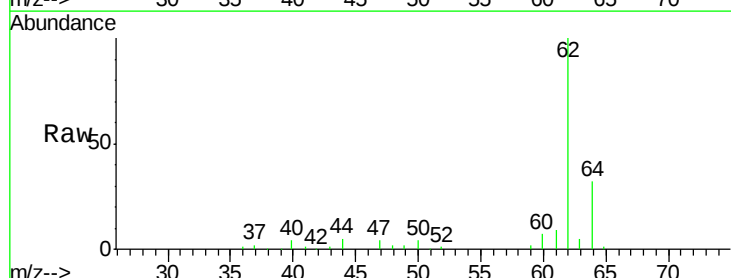
Acq: 26 Mar 2019 16:40

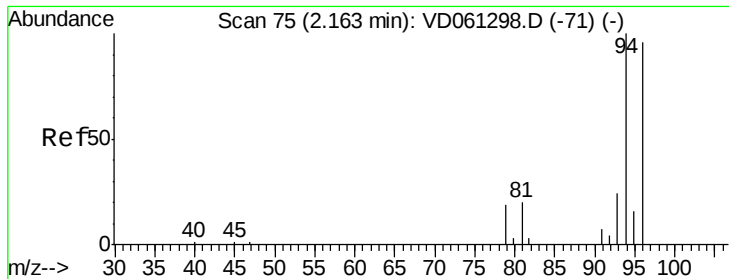
Tgt Ion: 62 Resp: 267767

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 60.063 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

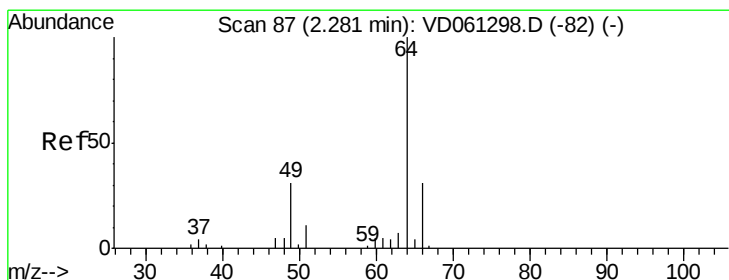
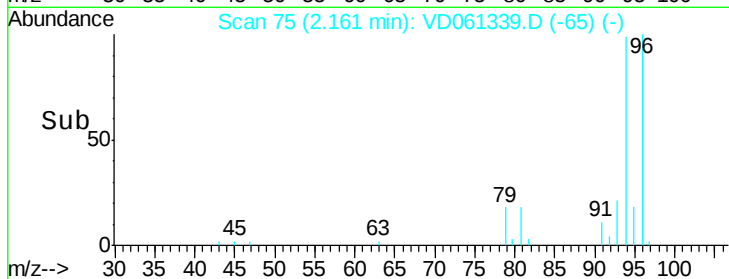
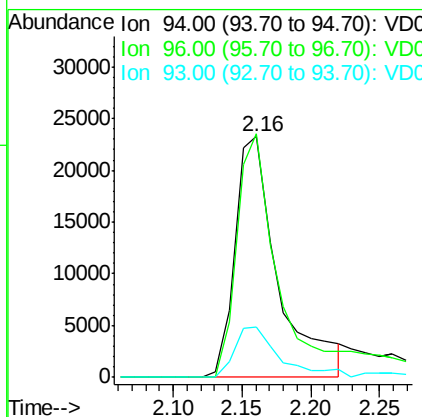
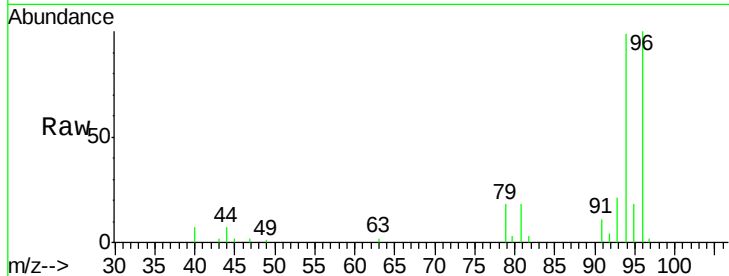
ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:	94	Resp:	51173
Ion	Ratio	Lower	Upper
94	100		
96	102.8	76.9	115.3
93	20.9	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM



#6

Chloroethane

Concen: 65.059 ug/l

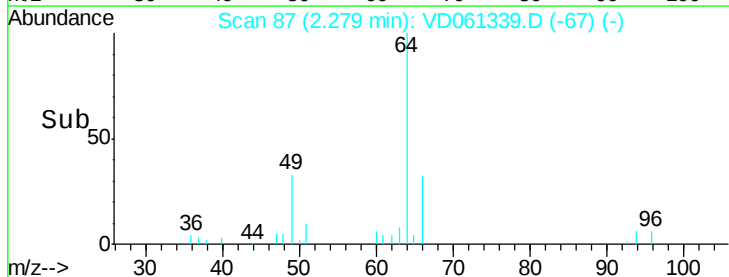
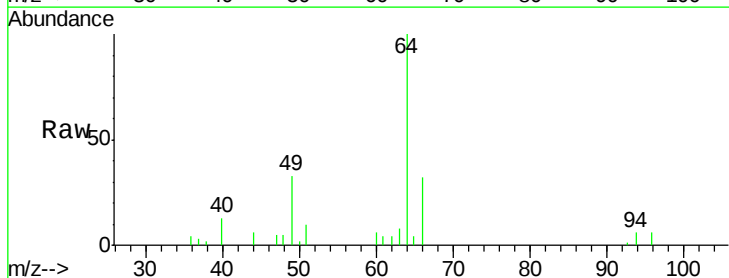
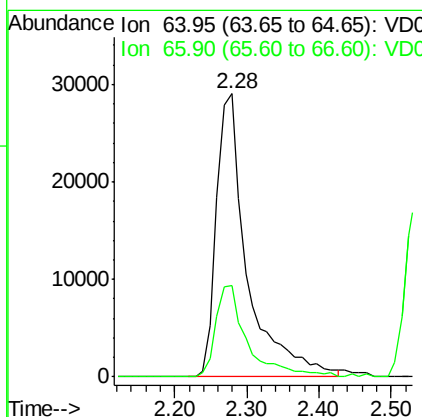
RT: 2.28 min Scan# 87

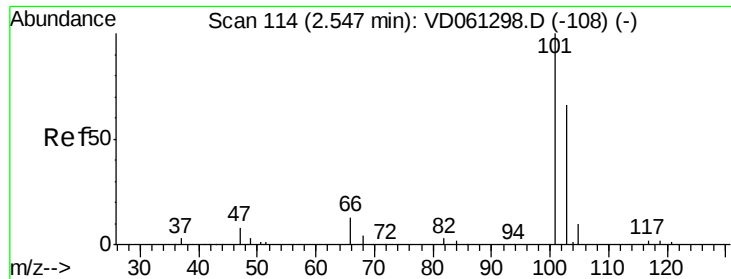
Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Tgt Ion:	64	Resp:	85915
Ion	Ratio	Lower	Upper
64	100		
66	32.1	24.6	36.8





#7

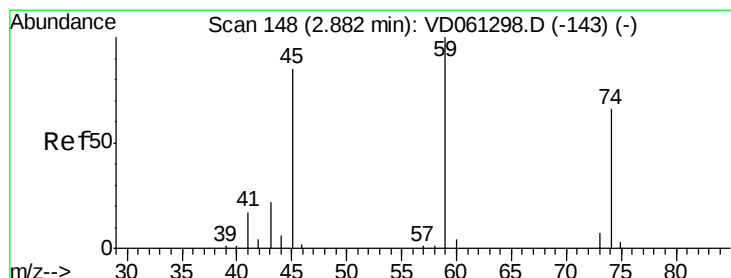
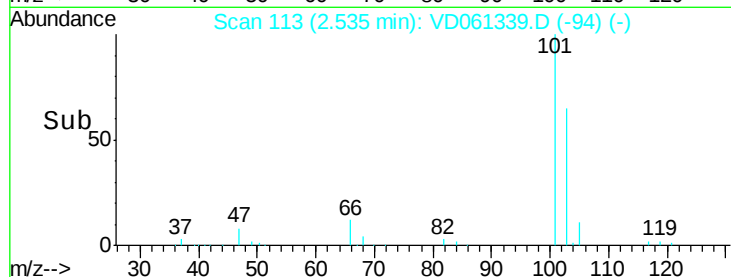
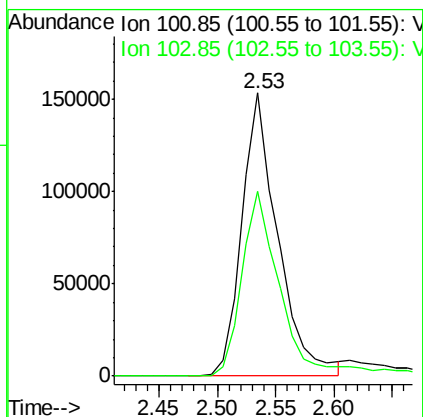
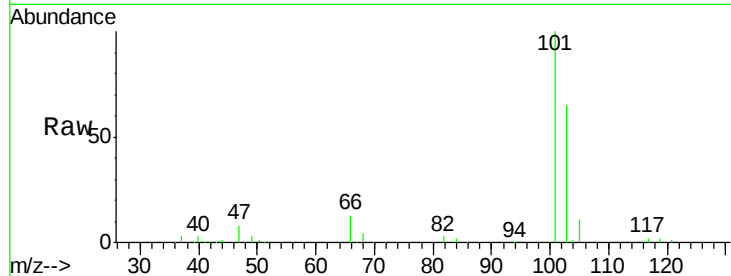
Trichlorofluoromethane
Concen: 52.884 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion:101 Resp: 328132
Ion Ratio Lower Upper
101 100
103 65.4 52.6 79.0

Manual Integrations
APPROVED

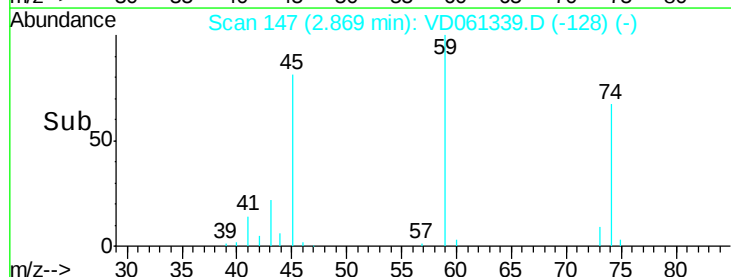
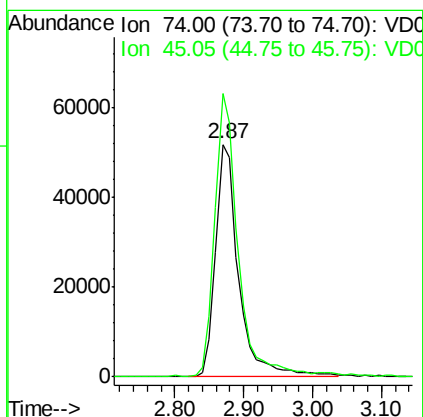
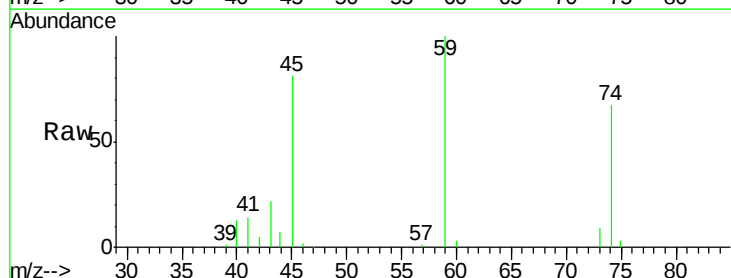
MMDadoda
3/27/2019 12:02:27 PM

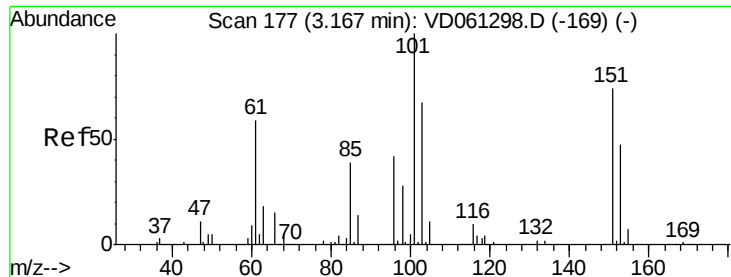


#8

Diethyl Ether
Concen: 65.754 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion: 74 Resp: 121308
Ion Ratio Lower Upper
74 100
45 121.8 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.625 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

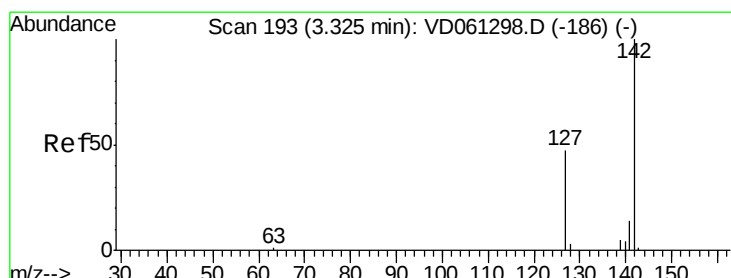
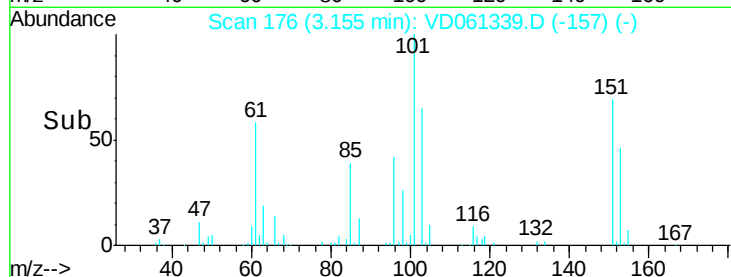
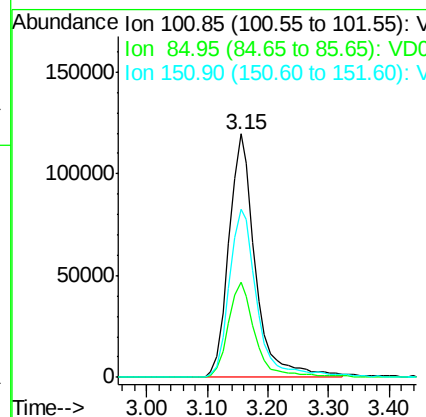
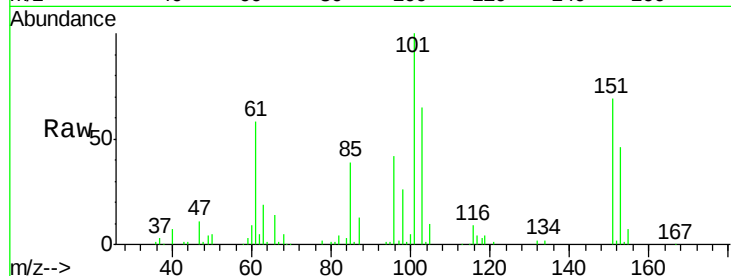
ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:	101	Resp:	363925
Ion Ratio	Lower	Upper	
101	100		
85	38.9	31.6	47.4
151	68.8	59.3	88.9

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM



#10

Methyl Iodide

Concen: 63.748 ug/l

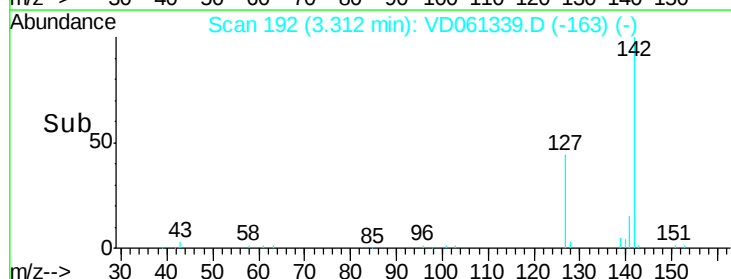
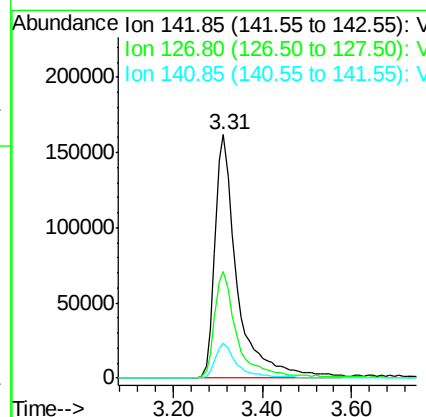
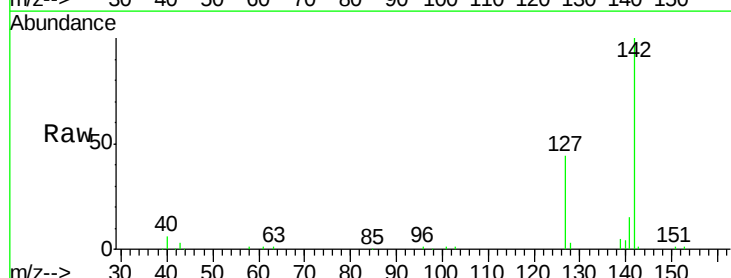
RT: 3.31 min Scan# 192

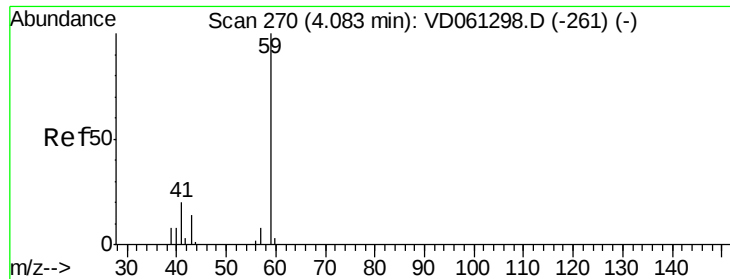
Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Tgt Ion:	142	Resp:	562450
Ion Ratio	Lower	Upper	
142	100		
127	44.0	37.8	56.6
141	14.6	11.6	17.4





#11

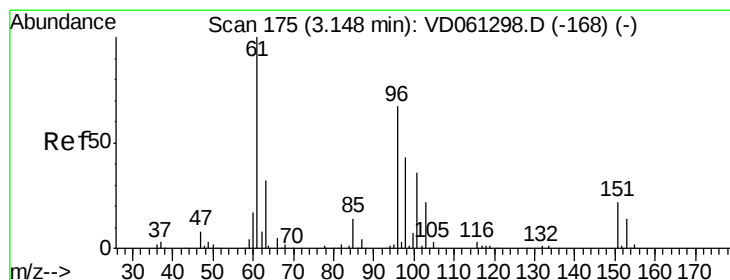
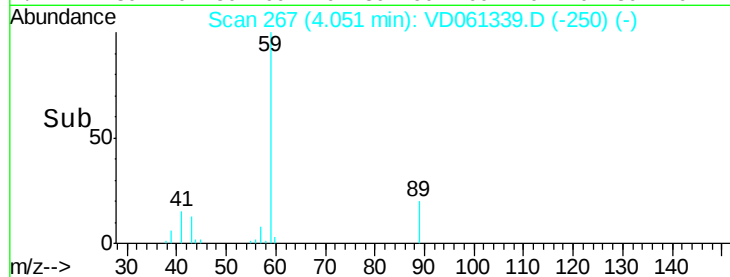
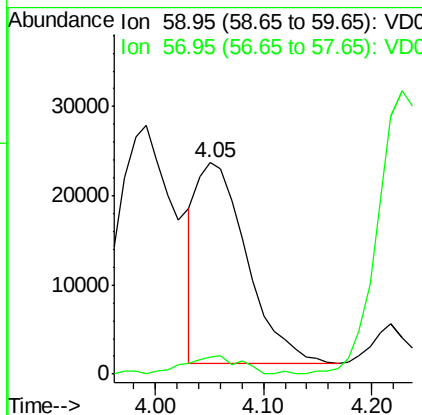
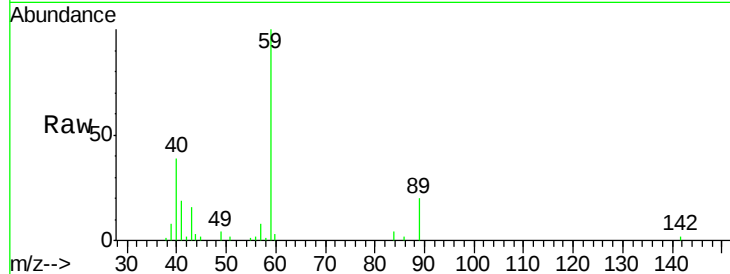
Tert butyl alcohol
Concen: 276.043 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion: 59 Resp: 71363
Ion Ratio Lower Upper
59 100
57 8.1 6.6 9.8

Manual Integrations
APPROVED

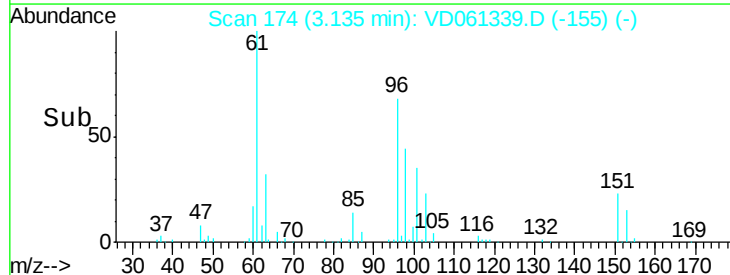
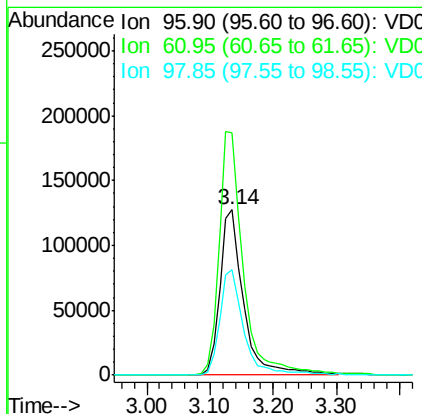
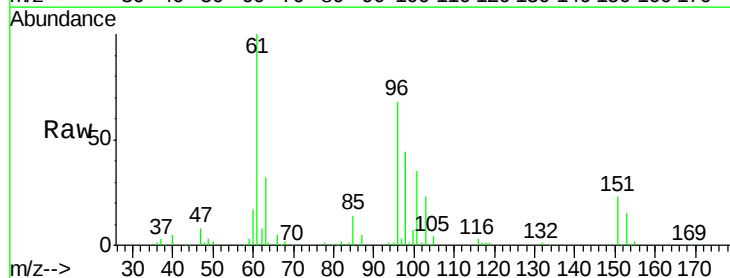
MMDadoda
3/27/2019 12:02:27 PM

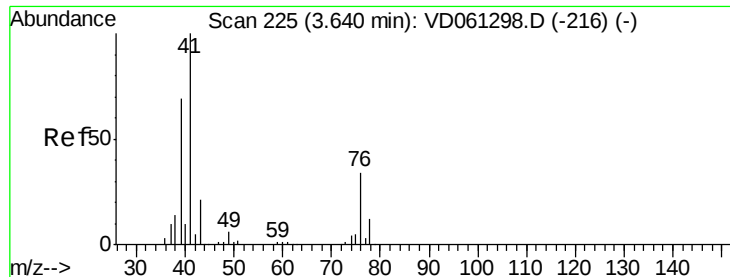


#12

1,1-Dichloroethene
Concen: 61.564 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion: 96 Resp: 334556
Ion Ratio Lower Upper
96 100
61 146.7 120.2 180.2
98 63.9 52.2 78.4





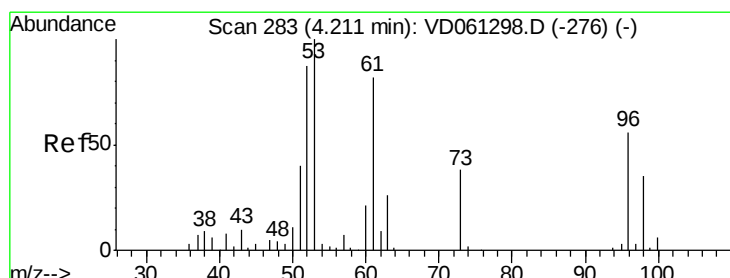
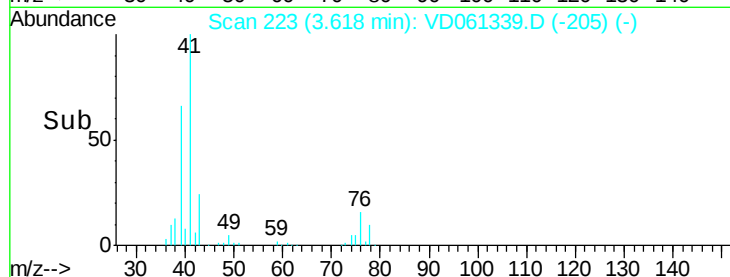
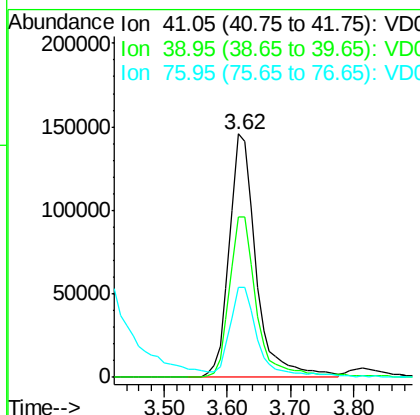
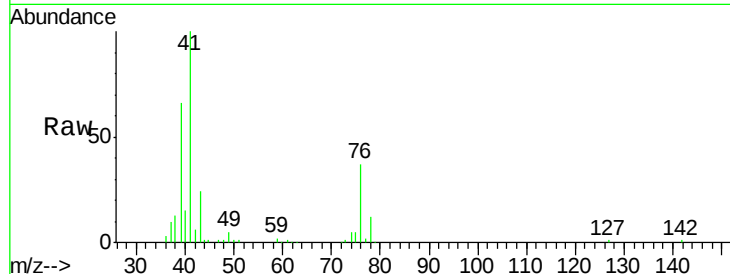
#14
Allvl chloride
Concen: 55.720 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.9	55.1	82.7
76	36.9	30.2	45.2

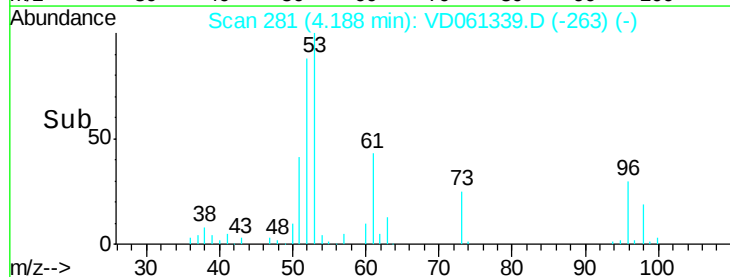
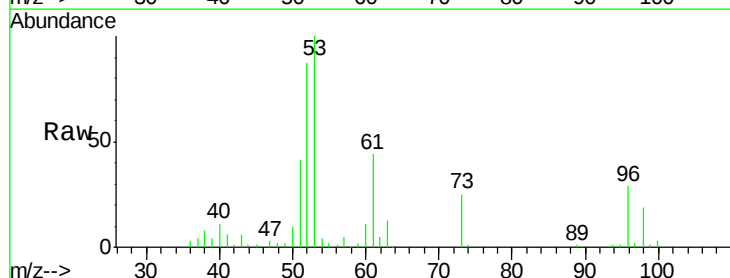
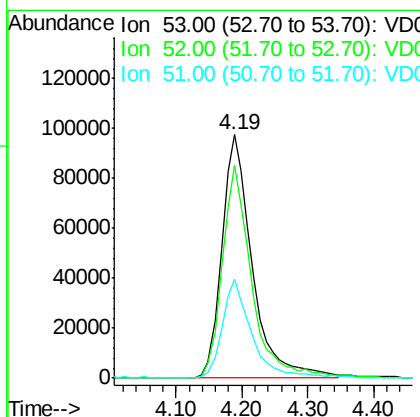
Manual Integrations
APPROVED

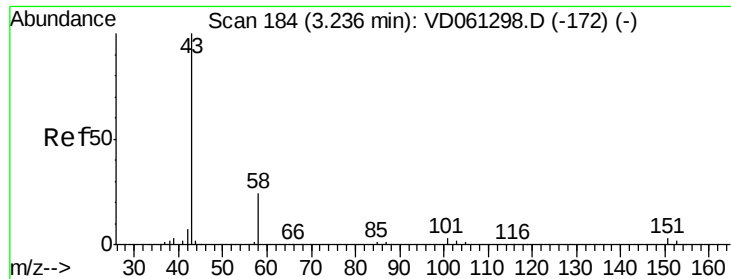
MMDadoda
3/27/2019 12:02:27 PM



#15
Acrylonitrile
Concen: 345.917 ug/l
RT: 4.19 min Scan# 281
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Lower	Upper
53	100		
52	87.3	69.4	104.2
51	40.8	31.7	47.5





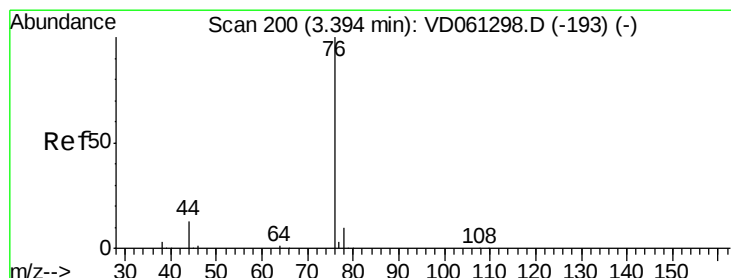
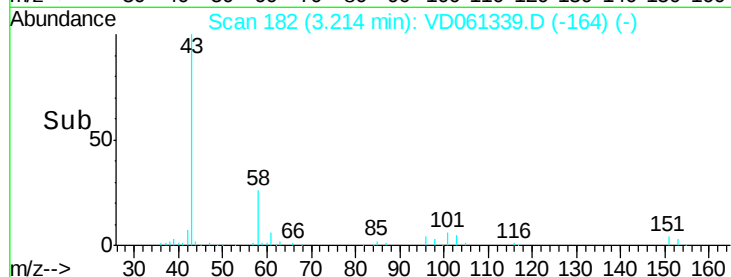
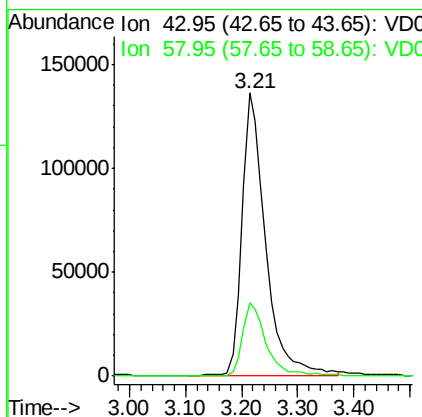
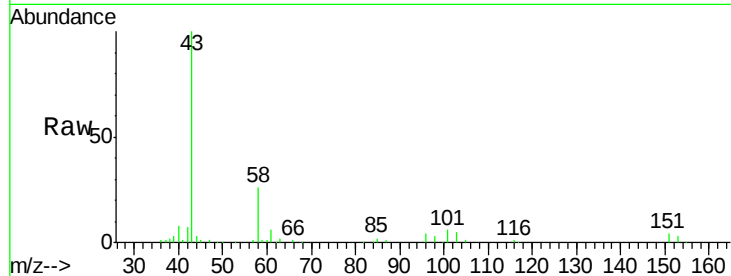
#16
Acetone
Concen: 343.583 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion: 43 Resp: 399115
Ion Ratio Lower Upper
43 100
58 25.7 19.4 29.0

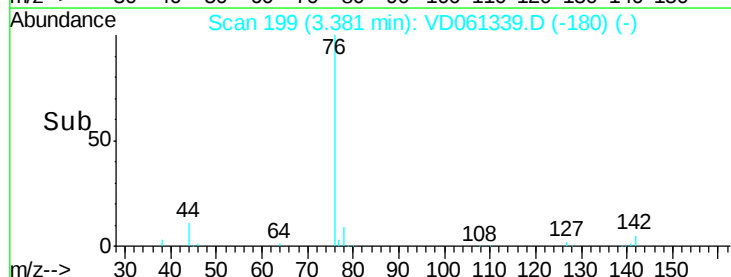
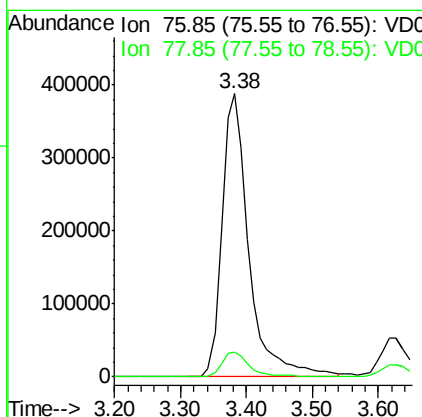
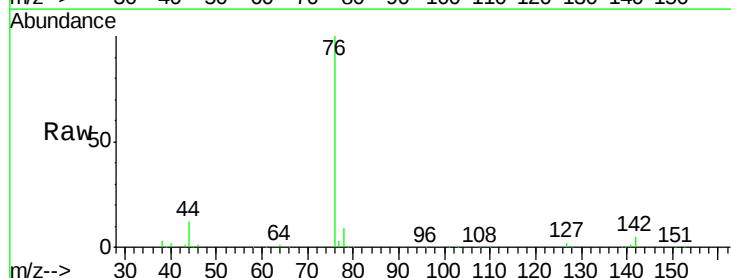
Manual Integrations
APPROVED

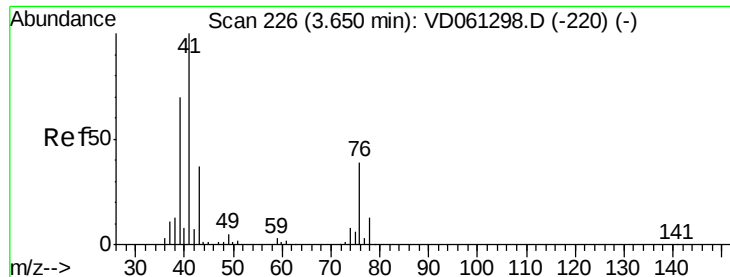
MMDadoda
3/27/2019 12:02:27 PM



#17
Carbon Disulfide
Concen: 61.025 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion: 76 Resp: 1101376
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6





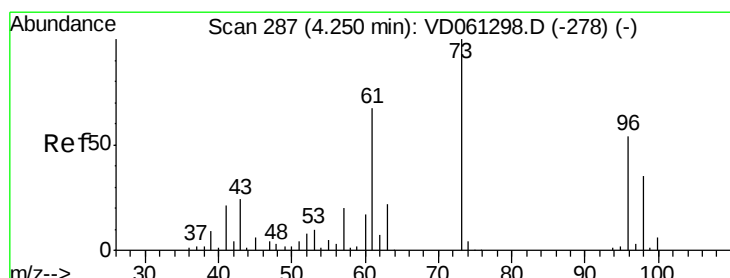
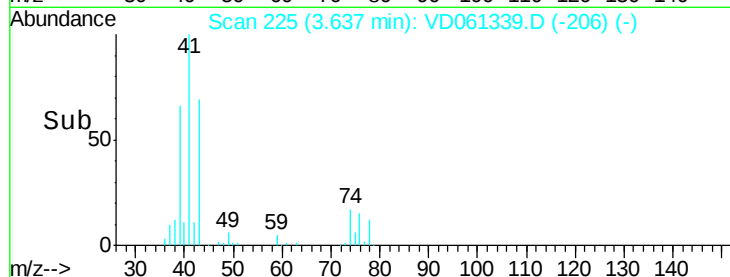
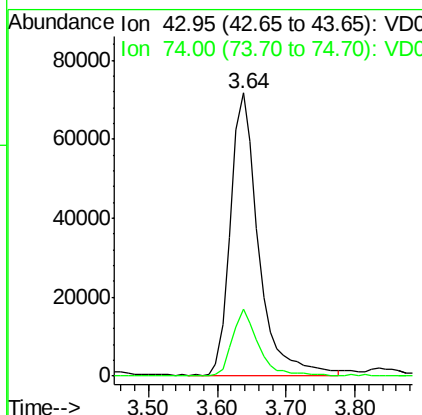
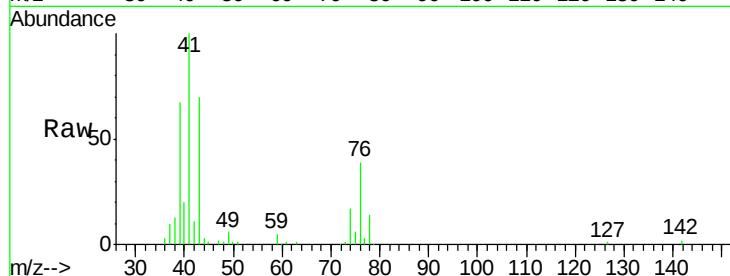
#18
Methyl Acetate
Concen: 93.094 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion: 43 Resp: 204406
Ion Ratio Lower Upper
43 100
74 23.6 16.6 25.0

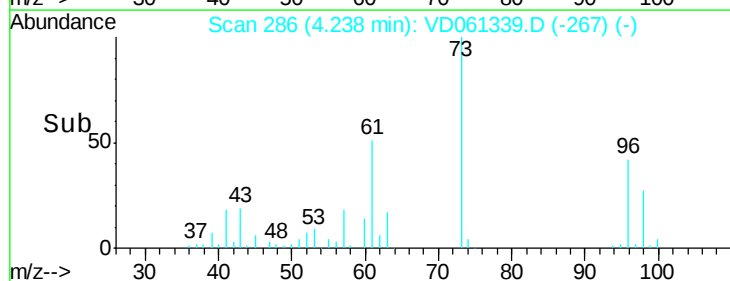
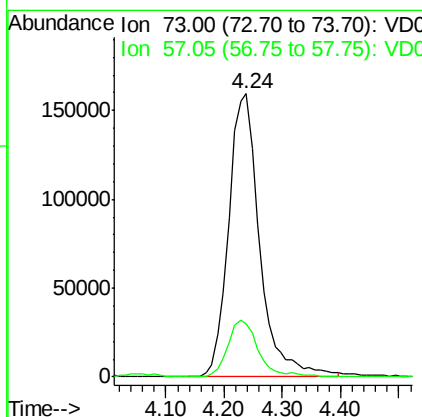
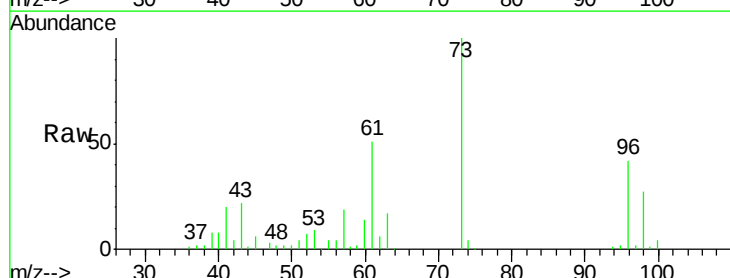
Manual Integrations
APPROVED

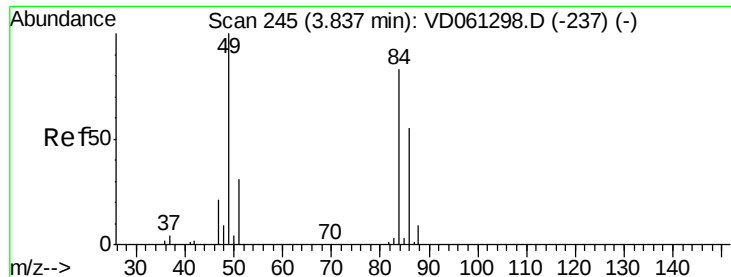
MMDadoda
3/27/2019 12:02:27 PM



#19
Methyl tert-butyl Ether
Concen: 61.707 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion: 73 Resp: 590559
Ion Ratio Lower Upper
73 100
57 18.8 16.3 24.5





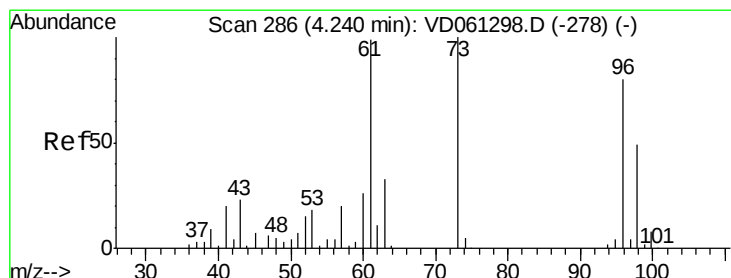
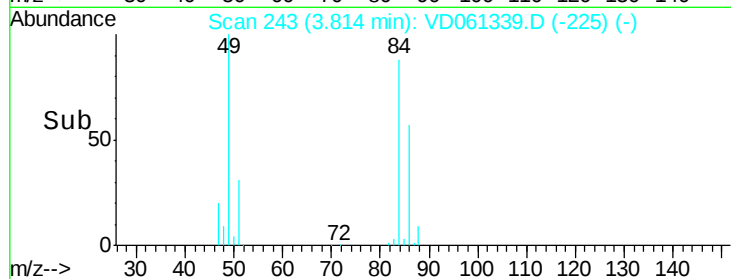
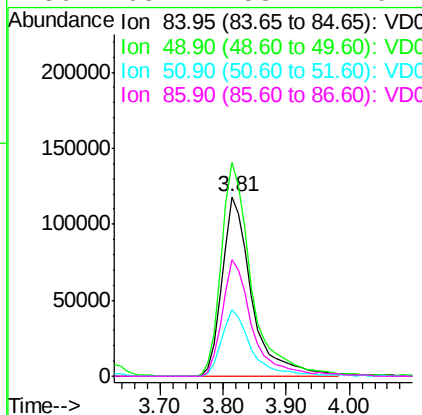
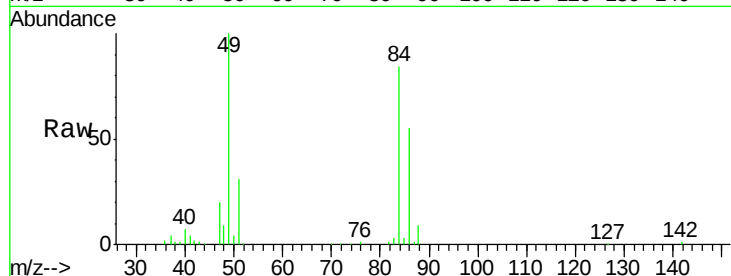
#20
Methylene Chloride
Concen: 58.856 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion:	84	Resp:	388036
Ion	Ratio	Lower	Upper
84	100		
49	119.0	96.8	145.2
51	36.9	29.9	44.9
86	65.2	53.1	79.7

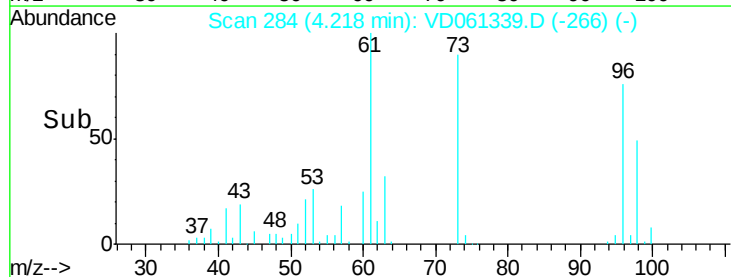
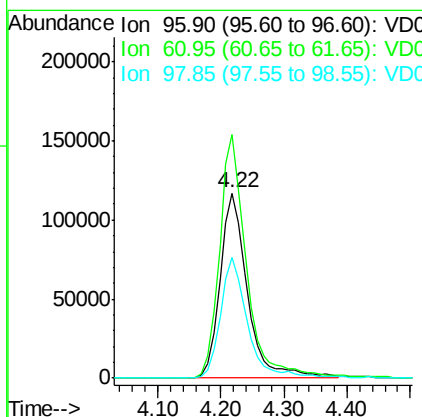
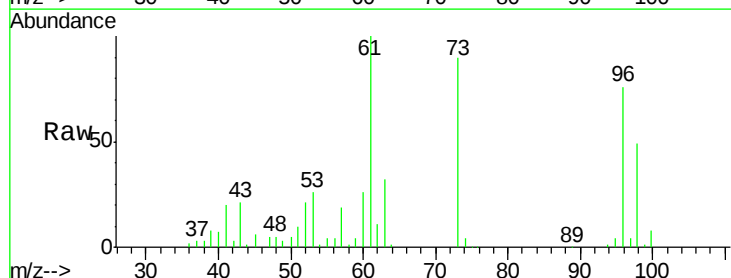
Manual Integrations
APPROVED

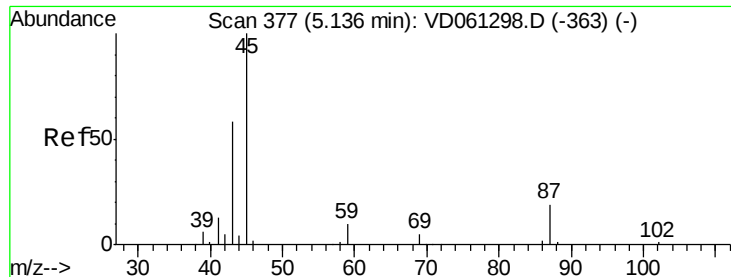
MMDadoda
3/27/2019 12:02:27 PM



#21
trans-1,2-Dichloroethene
Concen: 58.088 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion:	96	Resp:	353141
Ion	Ratio	Lower	Upper
96	100		
61	131.7	99.2	148.8
98	65.2	49.2	73.8





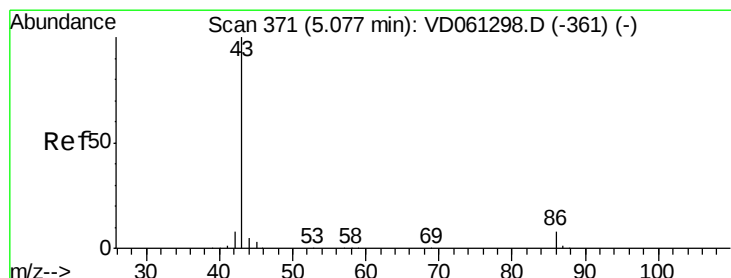
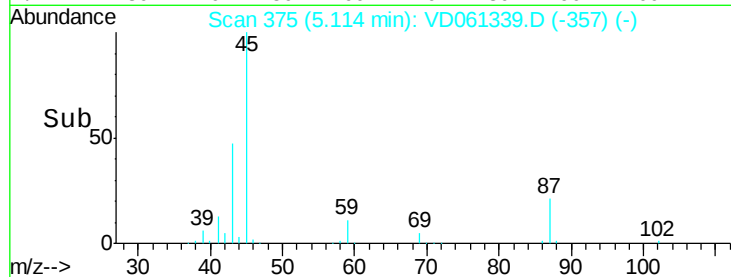
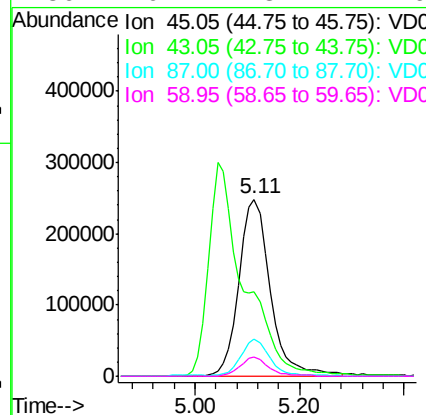
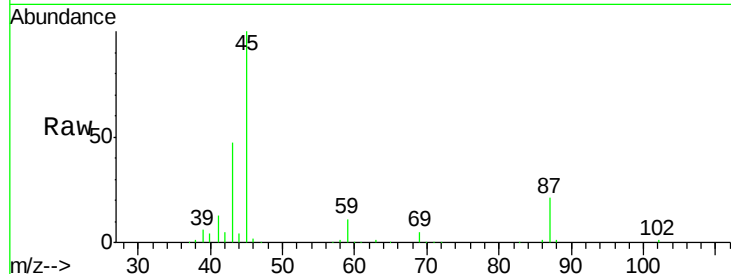
#22
Diisopropyl ether
Concen: 62.337 ug/l
RT: 5.11 min Scan# 375
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion	45	Resp	1012323
Ion	Ratio	Lower	Upper
45	100		
43	47.4	46.7	70.1
87	20.6	15.5	23.3
59	10.7	8.4	12.6

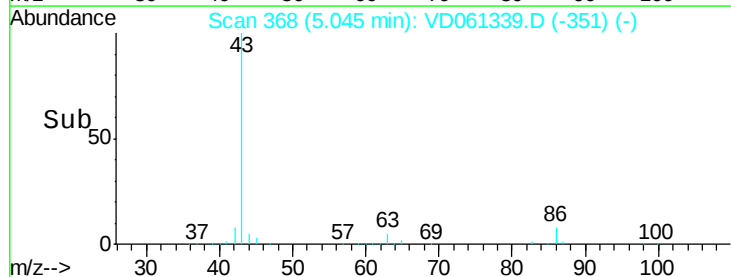
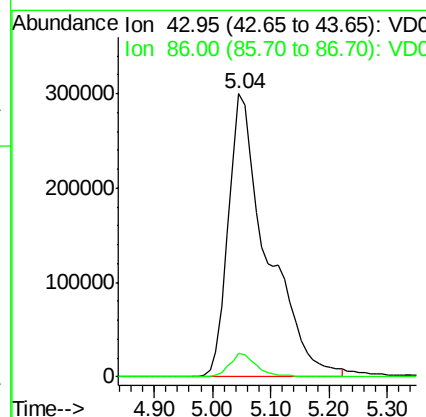
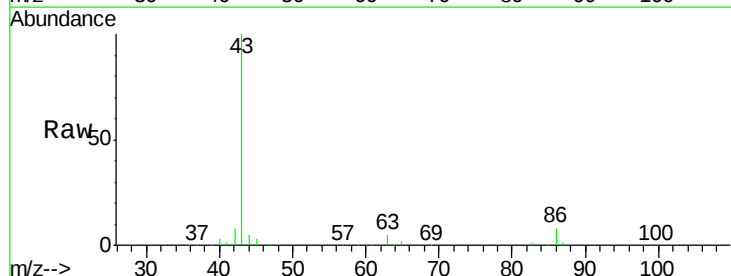
Manual Integrations
APPROVED

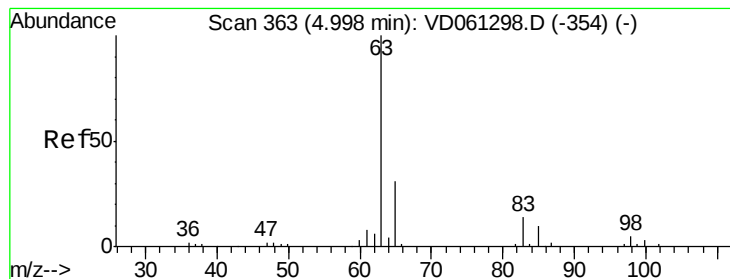
MMDadoda
3/27/2019 12:02:27 PM



#23
Vinyl Acetate
Concen: 160.712 ug/l
RT: 5.04 min Scan# 368
Delta R.T. -0.03 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion	43	Resp	1393921
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.3	9.5





#24

1,1-Dichloroethane

Concen: 61.430 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

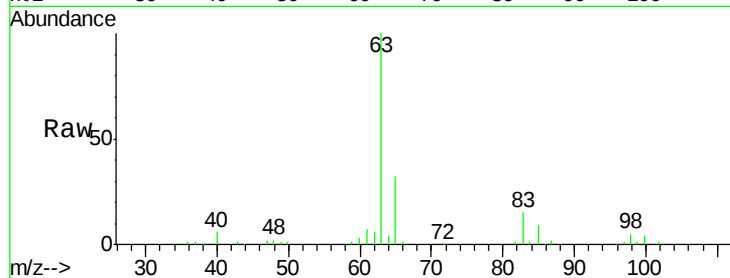
ClientSampleId :

WP022SB431-190320-(21-23)MSD

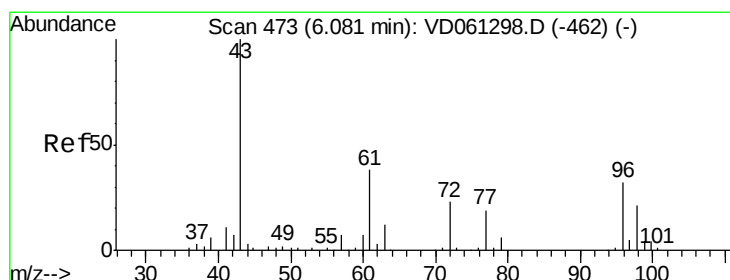
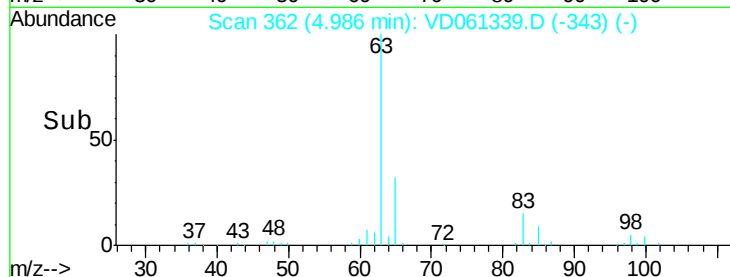
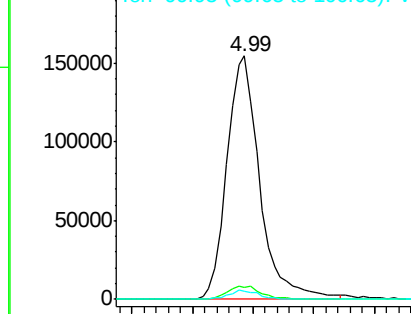
Tot Ion:	63	Resp:	581334
Ion Ratio	Lower	Upper	
63	100		
98	4.9	2.8	8.3
100	3.5	1.6	4.8

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 304.980 ug/l

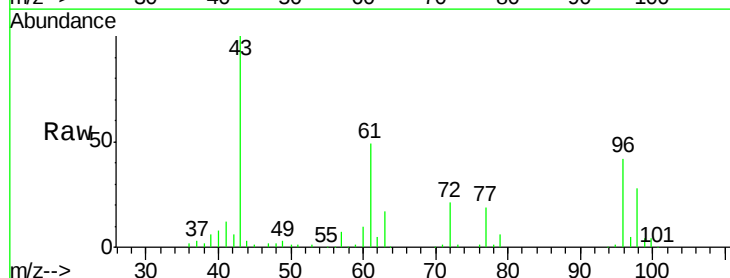
RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

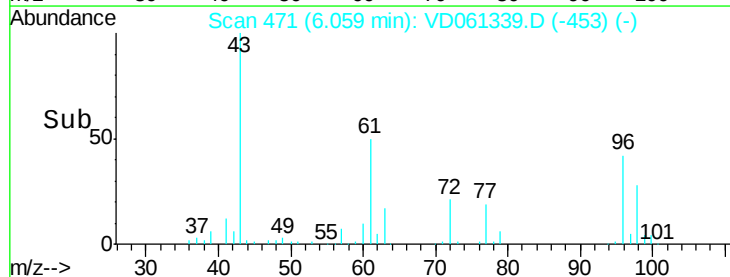
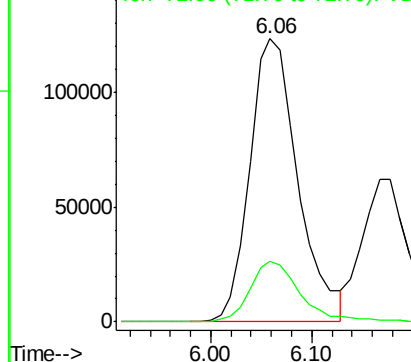
Lab File: VD061339.D

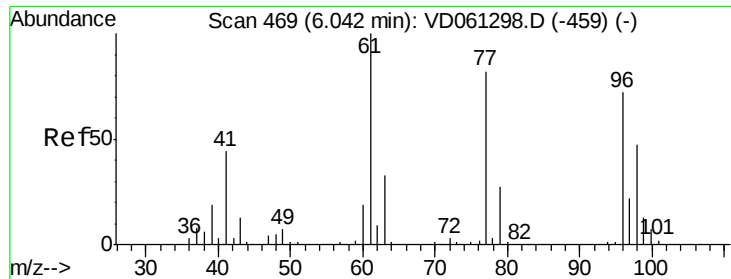
Acq: 26 Mar 2019 16:40

Tgt Ion:	43	Resp:	409767
Ion Ratio	Lower	Upper	
43	100		
72	21.3	18.5	27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 41.731 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Tot Ion: 77 Resp: 335331

Ion Ratio Lower Upper

77 100

97 26.7 13.5 40.5

Instrument :

MSVOA_D

ClientSampleId :

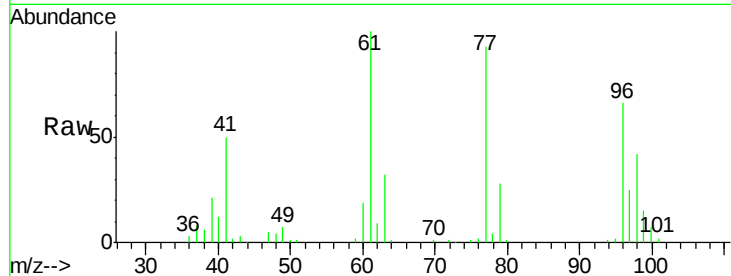
WP022SB431-190320-(21-23)MSD

Manual Integrations

APPROVED

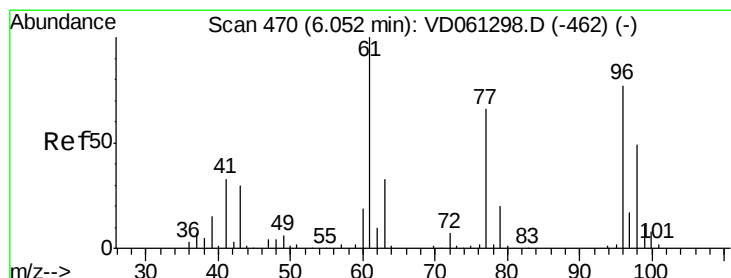
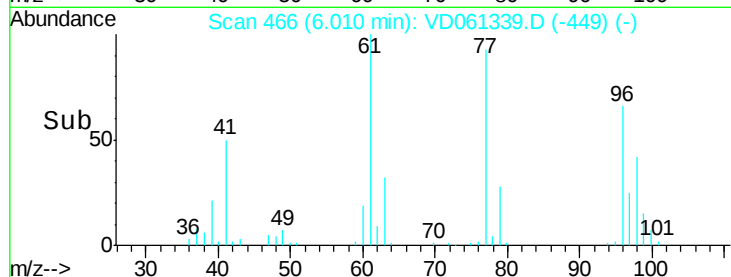
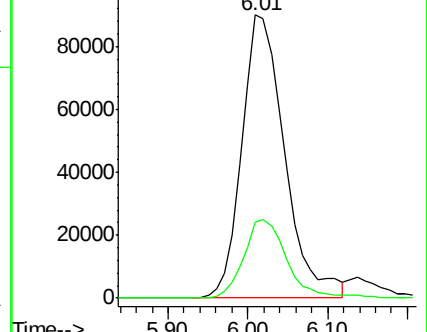
MMDadoda

3/27/2019 12:02:27 PM



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#27

cis-1,2-Dichloroethene

Concen: 61.762 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

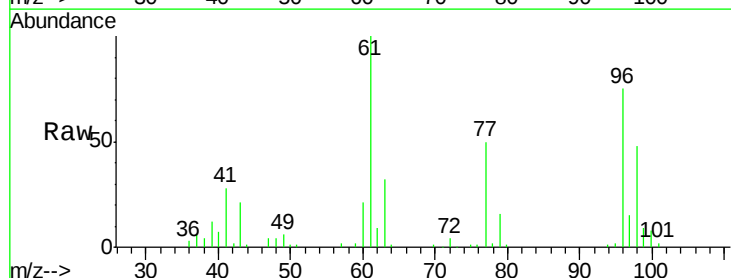
Tgt Ion: 96 Resp: 404062

Ion Ratio Lower Upper

96 100

61 133.7 0.0 261.0

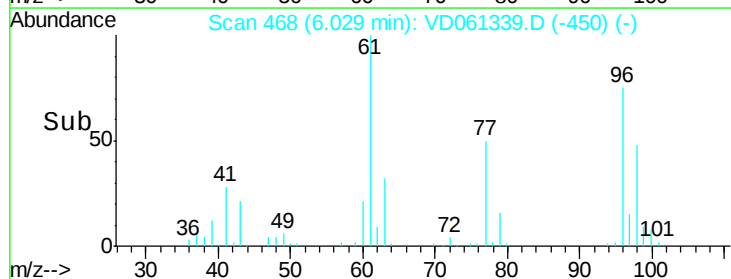
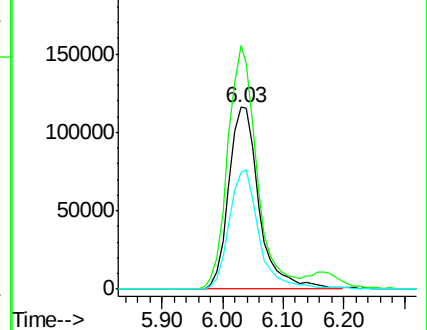
98 64.3 0.0 127.6

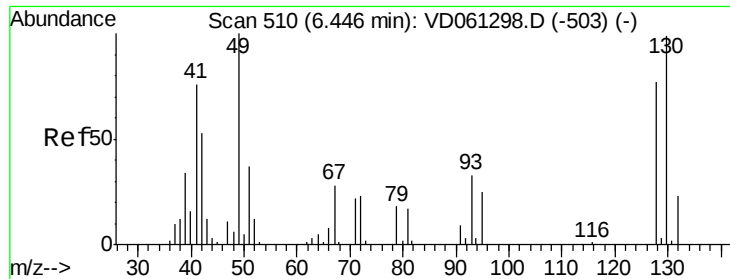


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#28

Bromochloromethane

Concen: 56.333 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion: 49 Resp: 223138

Ion Ratio Lower Upper

49 100

129 2.1 0.0 5.2

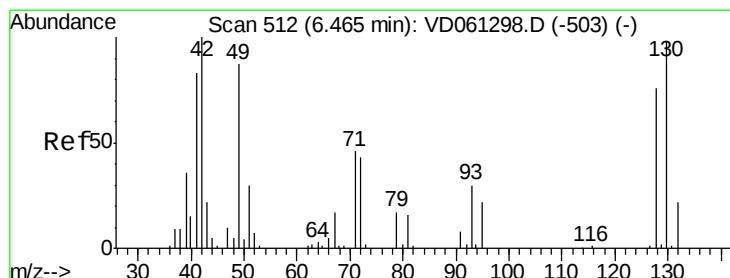
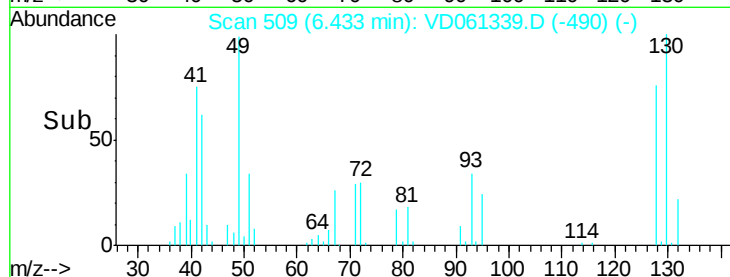
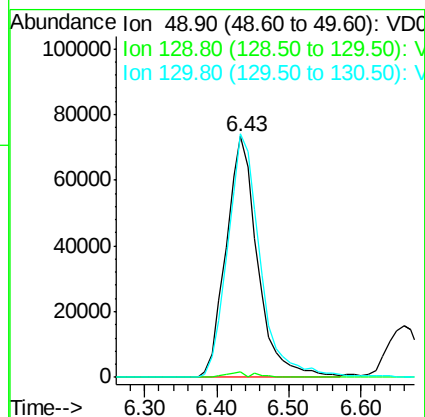
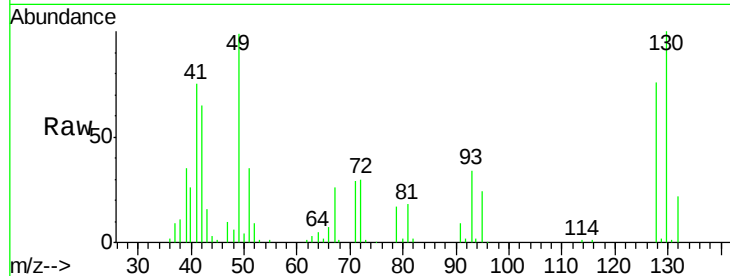
130 101.2 79.0 118.6

Manual Integrations

APPROVED

MMDadoda

3/27/2019 12:02:27 PM



#29

Tetrahydrofuran

Concen: 316.824 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

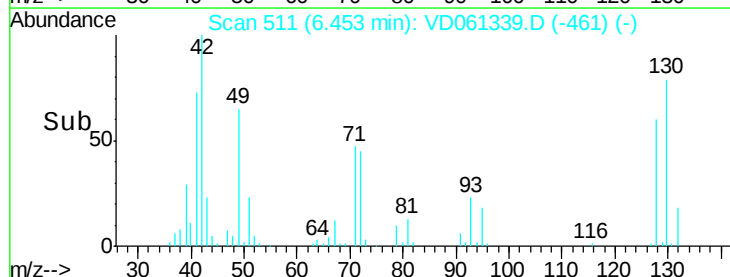
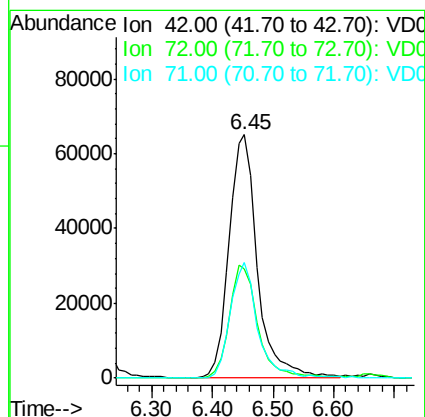
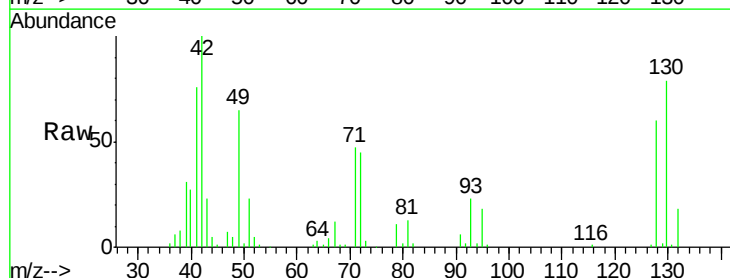
Tgt Ion: 42 Resp: 211882

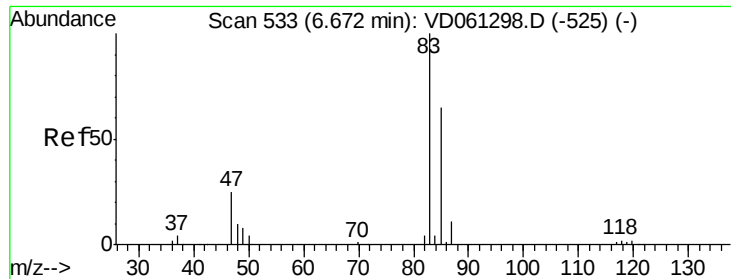
Ion Ratio Lower Upper

42 100

72 46.5 36.6 54.8

71 45.8 36.3 54.5





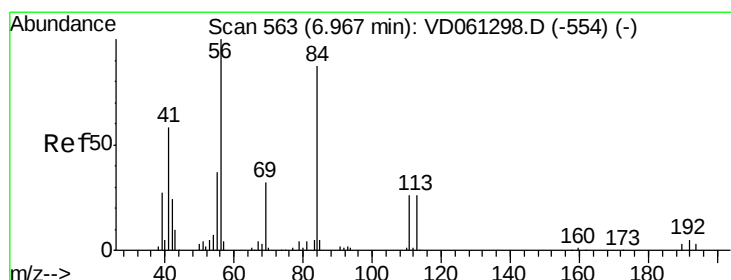
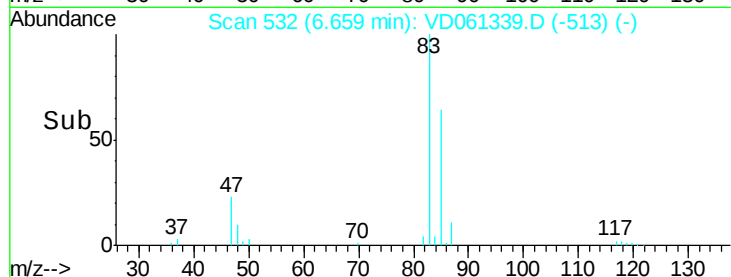
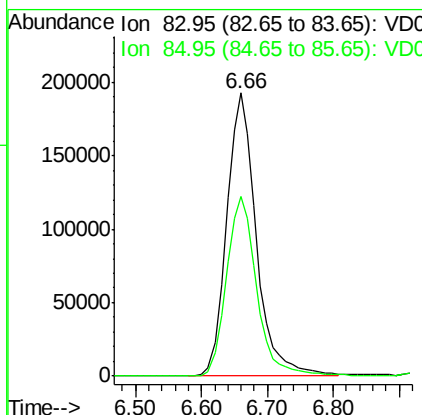
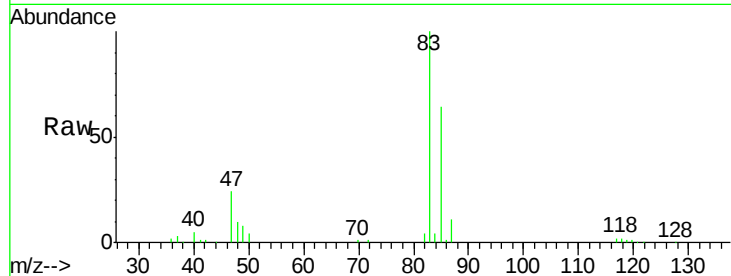
#30
Chloroform
Concen: 60.122 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion: 83 Resp: 606307
Ion Ratio Lower Upper
83 100
85 63.7 52.2 78.2

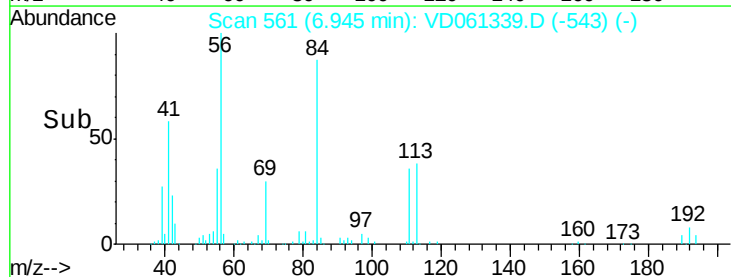
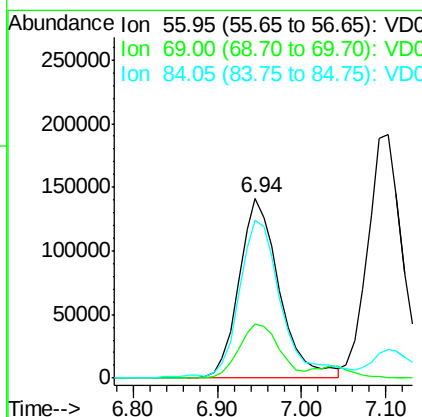
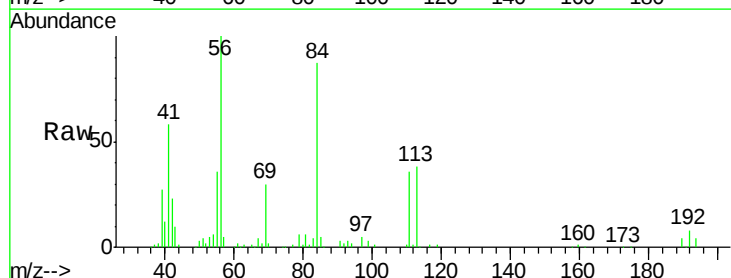
Manual Integrations
APPROVED

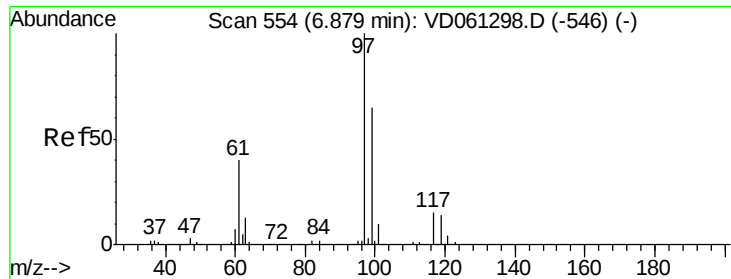
MMDadoda
3/27/2019 12:02:27 PM



#31
Cyclohexane
Concen: 61.457 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion: 56 Resp: 472047
Ion Ratio Lower Upper
56 100
69 30.0 25.5 38.3
84 87.4 71.4 107.2





#32

1,1,1-Trichloroethane

Concen: 59.266 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

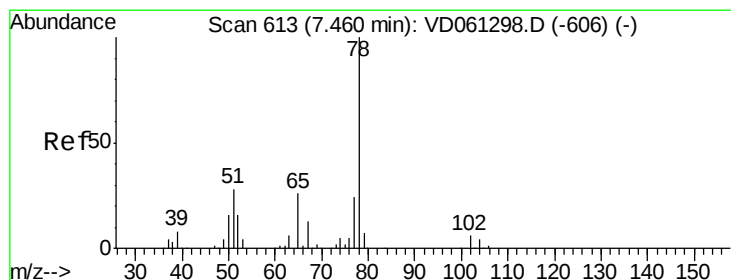
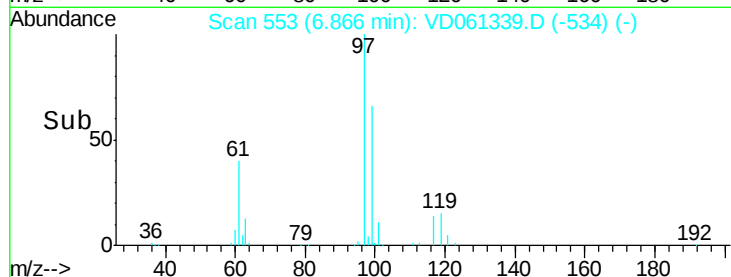
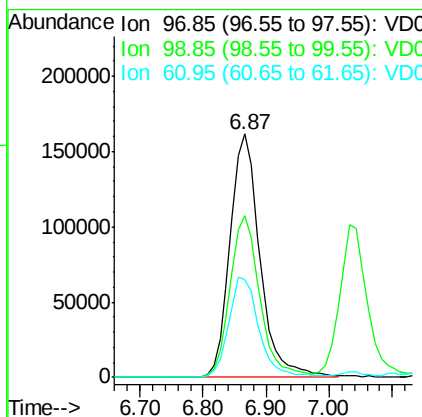
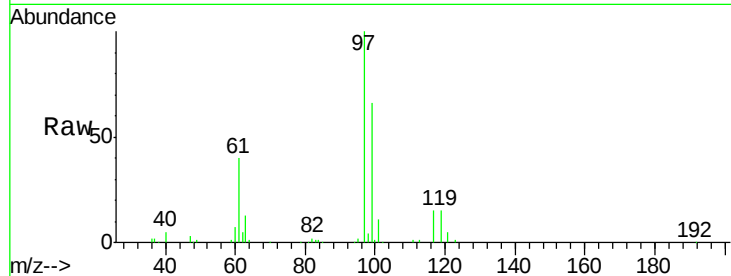
ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:	97	Resp:	529332
Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.8	77.6
61	40.1	31.9	47.9

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM



#33

1,2-Dichloroethane-d4

Concen: 59.266 ug/l

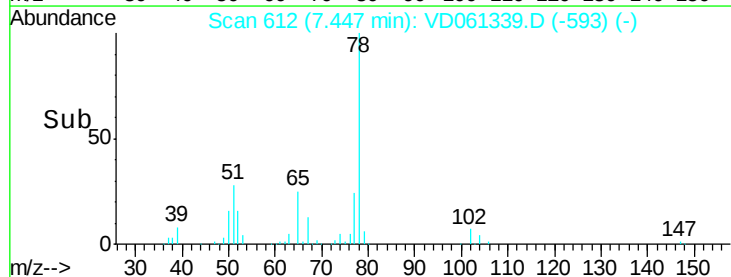
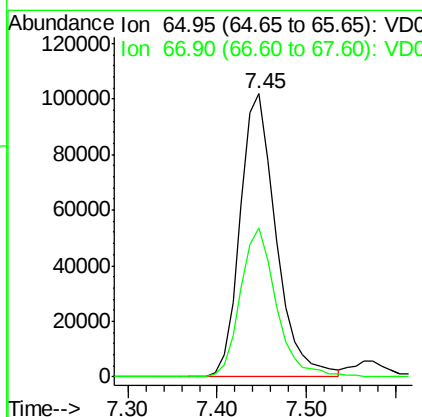
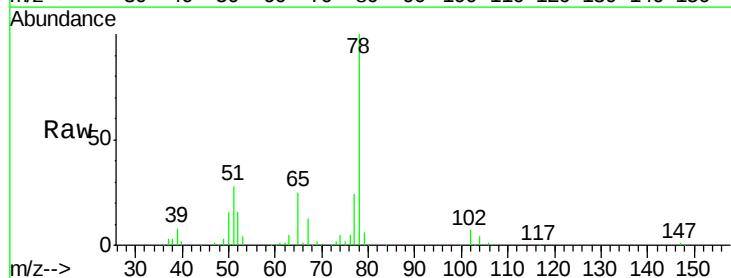
RT: 7.45 min Scan# 612

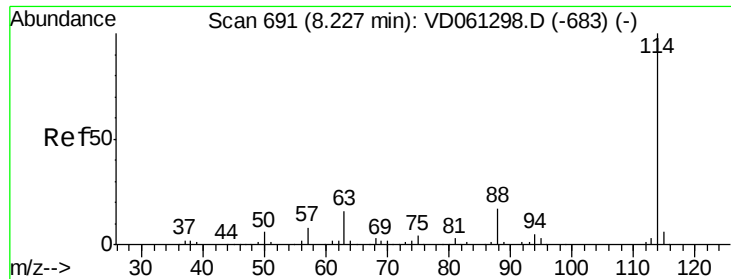
Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Tgt Ion:	65	Resp:	284930
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	100.8





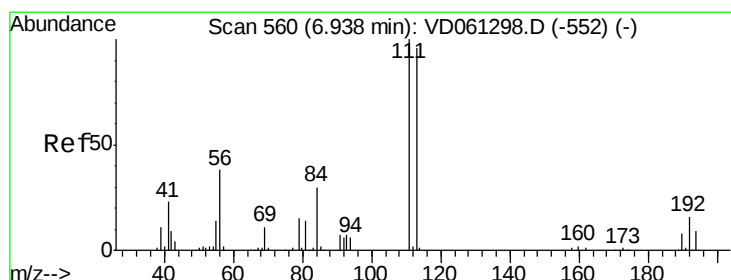
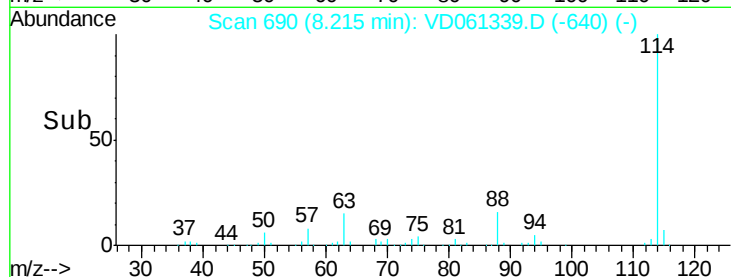
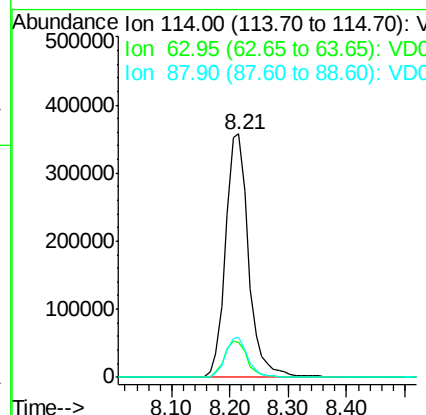
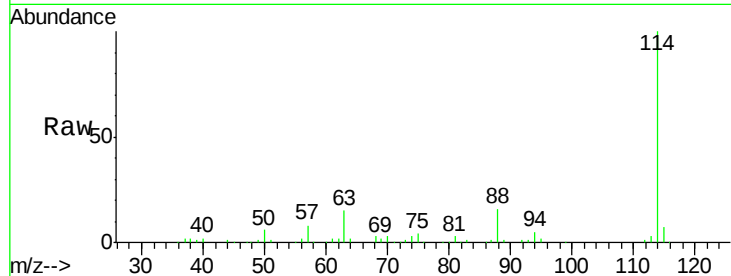
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	14.6	0.0	31.4
88	16.5	0.0	33.2

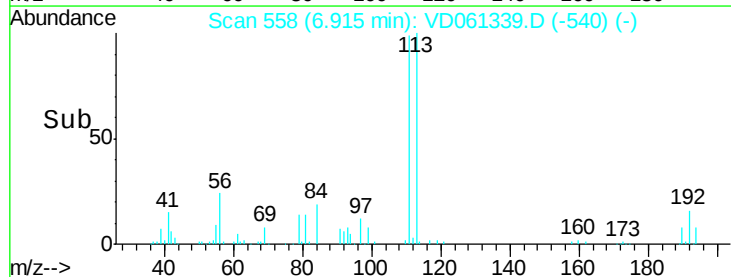
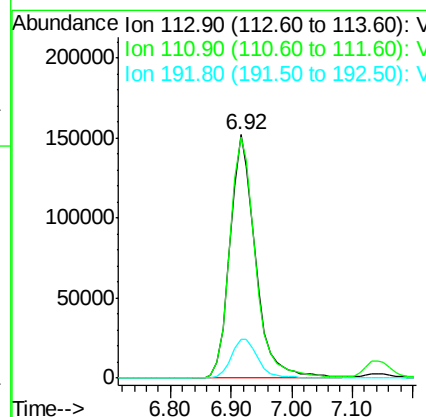
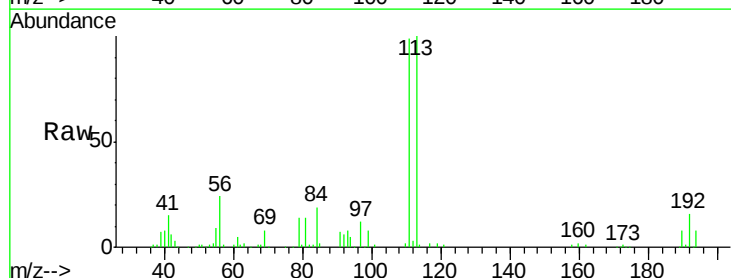
Manual Integrations
 APPROVED

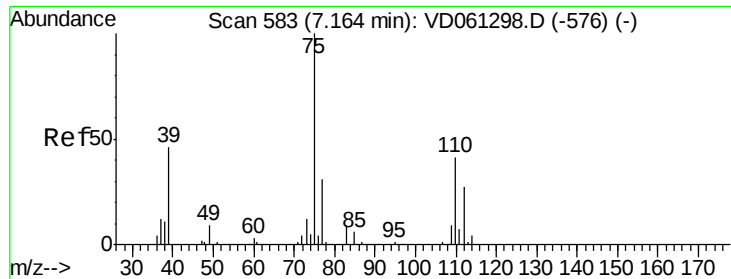
MMDadoda
 3/27/2019 12:02:27 PM



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	99.1	83.7	125.5
192	15.9	13.4	20.0





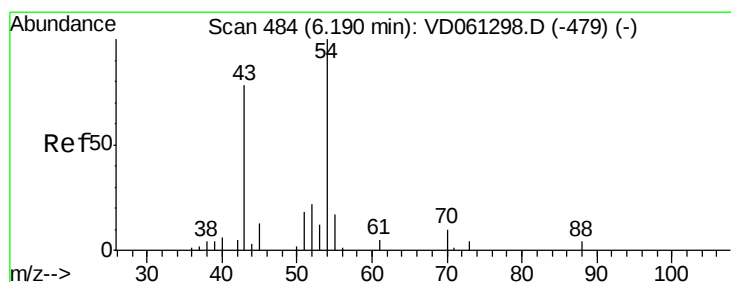
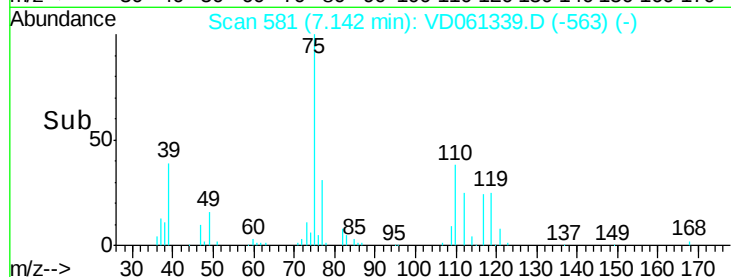
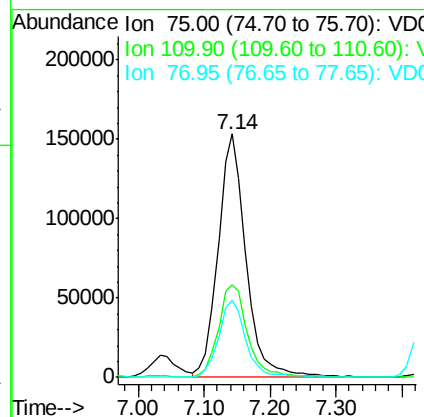
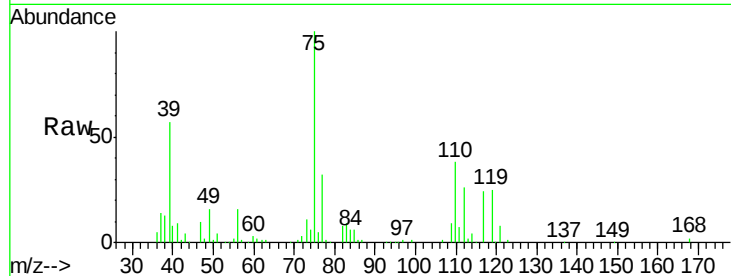
#36
 1,1-Dichloropropene
 Concen: 55.175 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.9	20.1	60.2
77	31.6	24.3	36.5

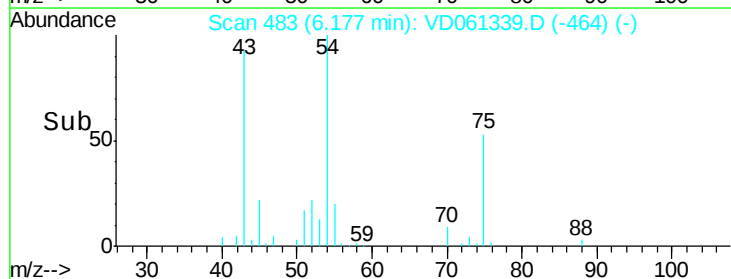
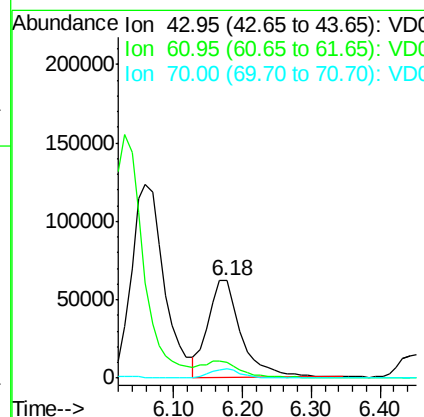
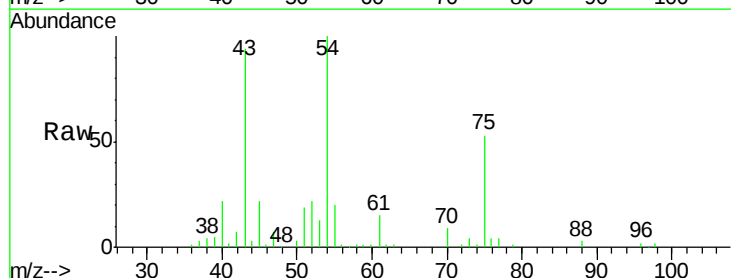
Manual Integrations
 APPROVED

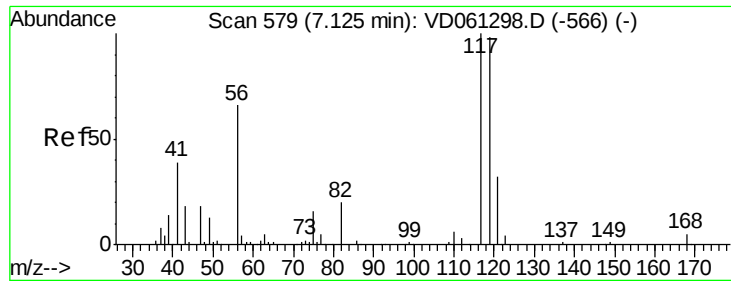
MMDadoda
 3/27/2019 12:02:27 PM



#37
 Ethyl Acetate
 Concen: 61.244 ug/l
 RT: 6.18 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.6	19.0
70	9.9	8.2	12.4





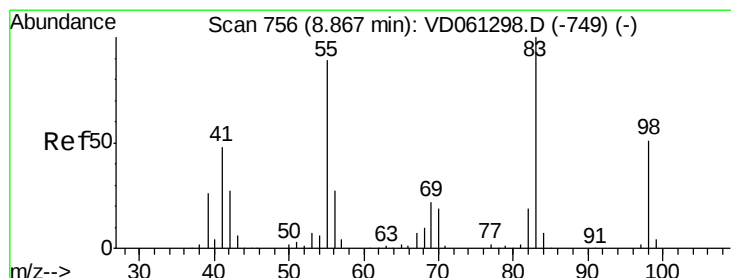
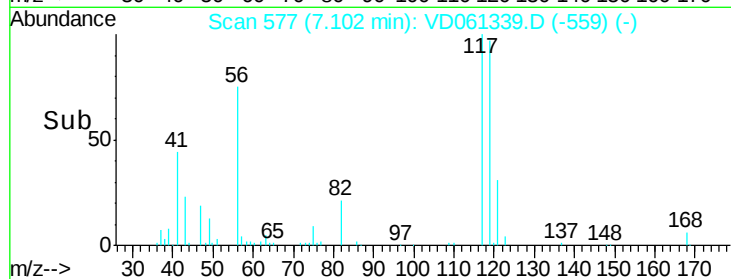
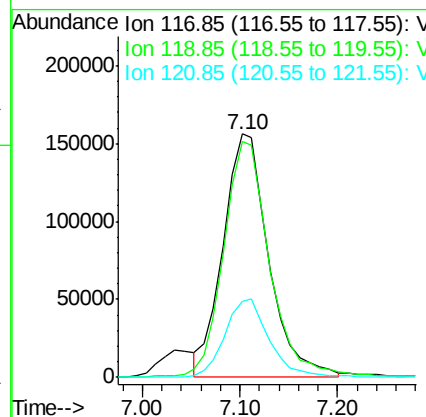
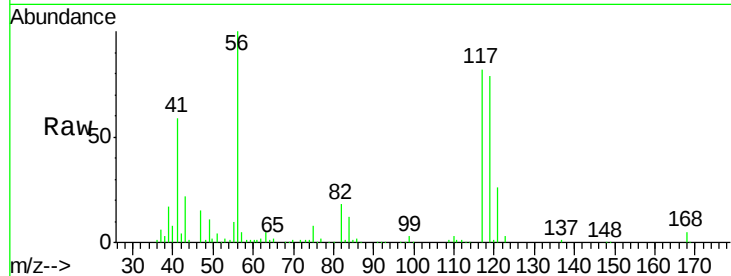
#38
Carbon Tetrachloride
Concen: 55.287 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	507533		
119	97.0		78.4	117.6
121	31.3		25.1	37.7

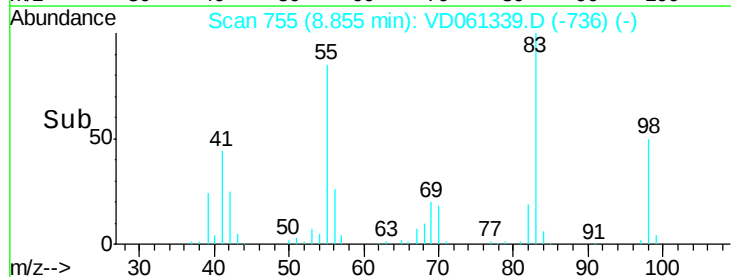
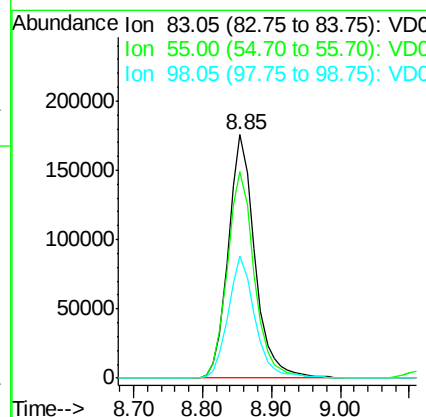
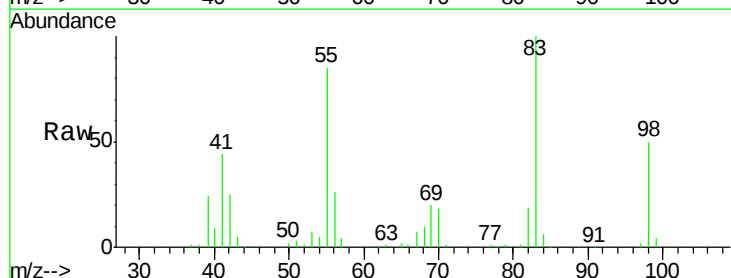
Manual Integrations
APPROVED

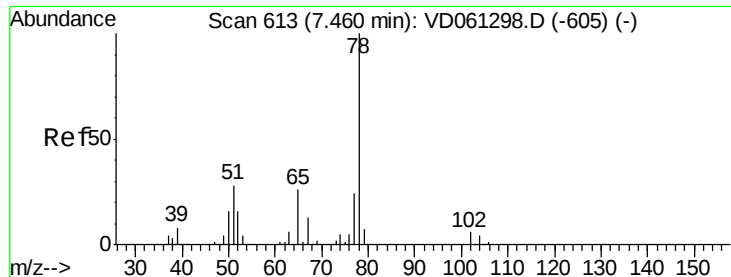
MMDadoda
3/27/2019 12:02:27 PM



#39
Methylcyclohexane
Concen: 56.630 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	471078		
55	84.6		71.3	106.9
98	49.9		40.4	60.6





#40

Benzene

Concen: 59.459 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion: 78 Resp: 1186096

Ion Ratio Lower Upper

78 100

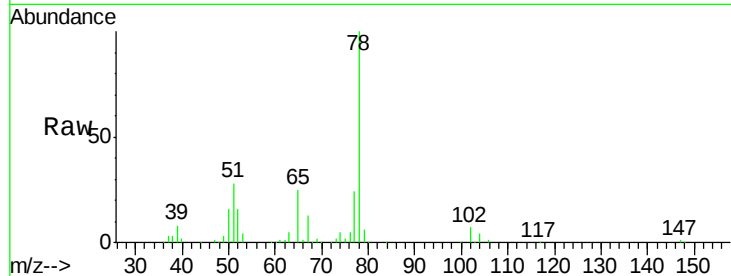
77 24.0 18.8 28.2

Manual Integrations

APPROVED

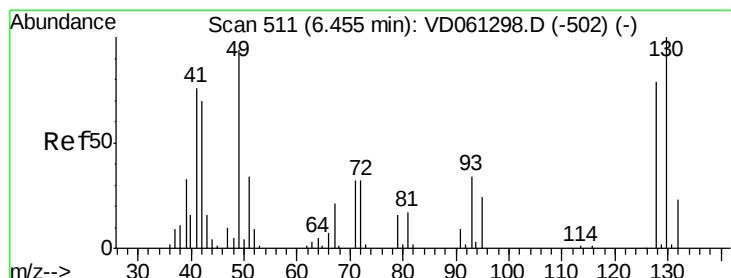
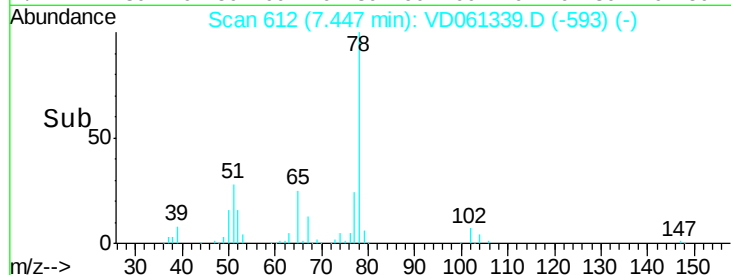
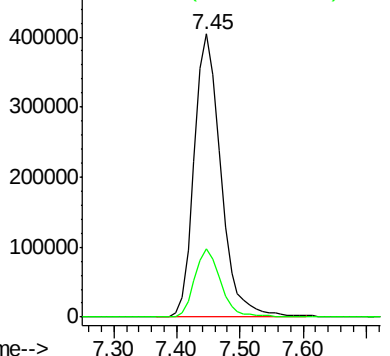
MMDadoda

3/27/2019 12:02:27 PM



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 59.182 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Tgt Ion: 41 Resp: 230722

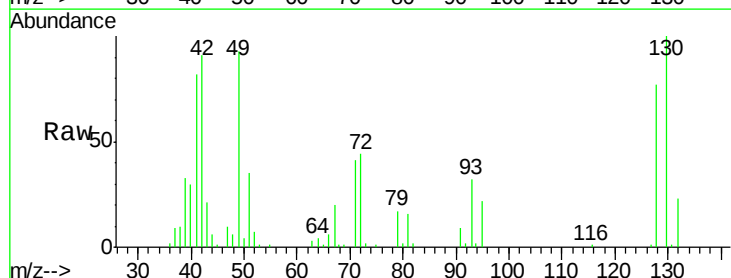
Ion Ratio Lower Upper

41 100

39 40.0 34.2 51.2

67 24.2 21.8 32.6

52 9.1 9.0 13.4

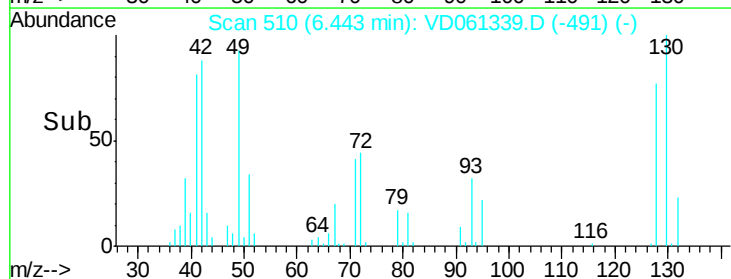
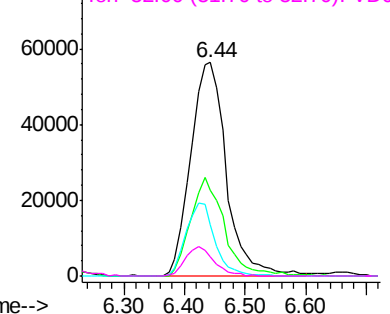


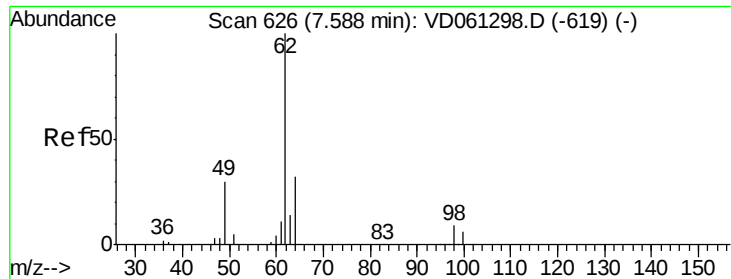
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#42

1,2-Dichloroethane

Concen: 57.164 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion: 62 Resp: 355384

Ion Ratio Lower Upper

62 100

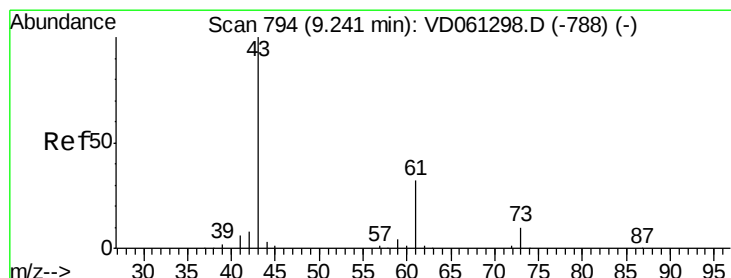
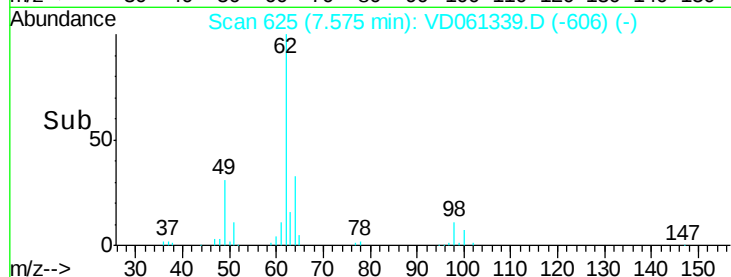
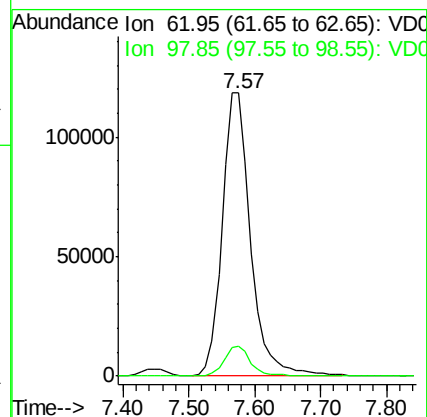
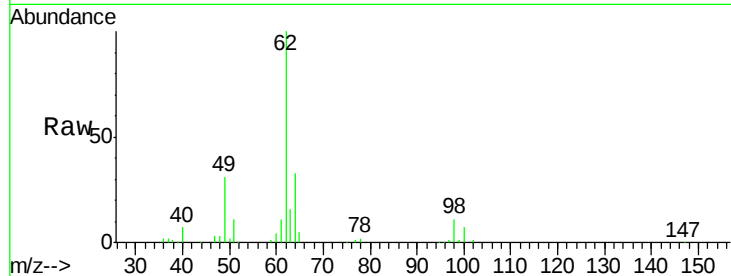
98 10.5 0.0 18.6

Manual Integrations

APPROVED

MMDadoda

3/27/2019 12:02:27 PM



#43

Isopropyl Acetate

Concen: 55.996 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

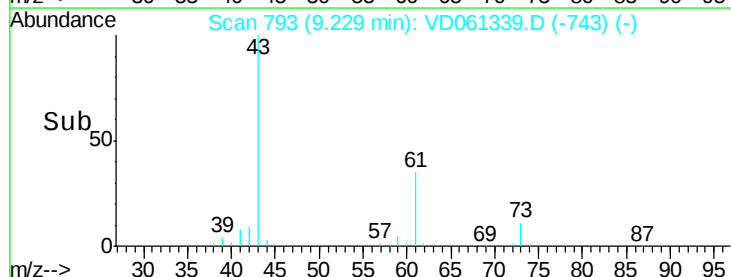
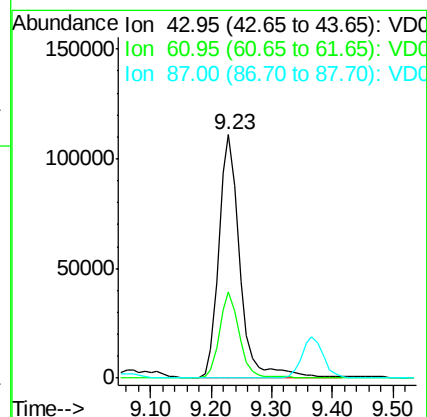
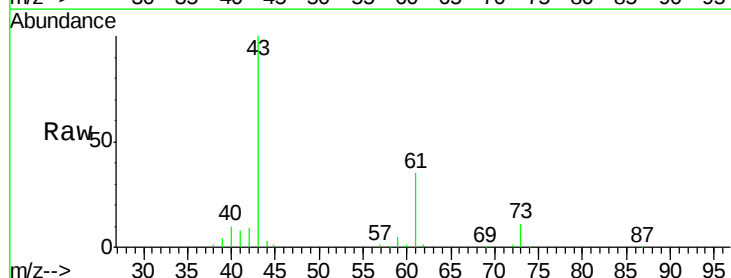
Tgt Ion: 43 Resp: 270870

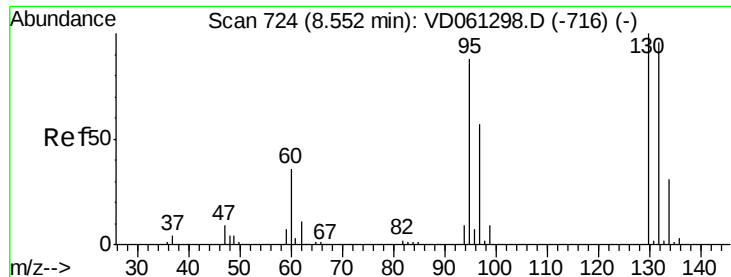
Ion Ratio Lower Upper

43 100

61 35.4 25.8 38.8

87 0.4 0.3 0.5





#44

Trichloroethene

Concen: 62.184 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:130 Resp: 448612

Ion Ratio Lower Upper

130 100

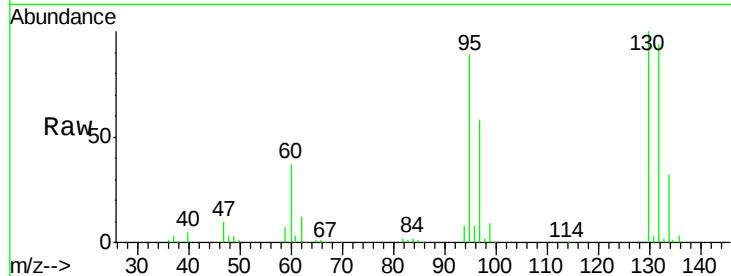
95 89.2 0.0 175.0

Manual Integrations

APPROVED

MMDadoda

3/27/2019 12:02:27 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

200000

150000

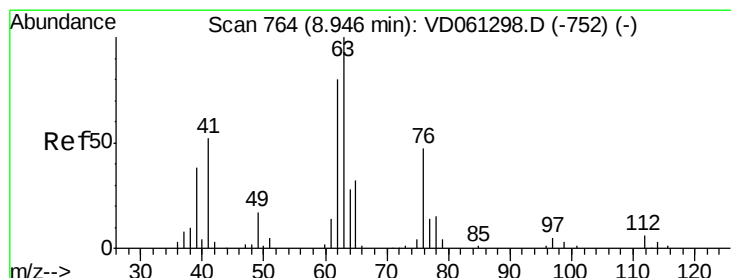
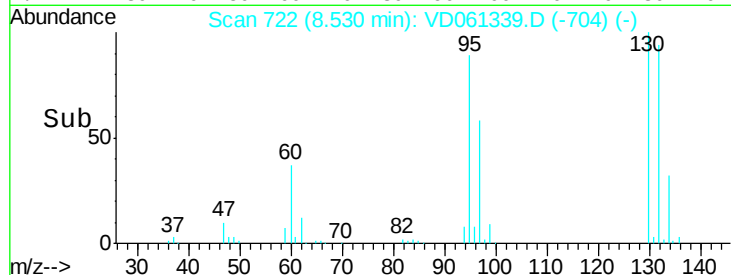
100000

50000

0

8.40 8.50 8.60 8.70

Time-->



#45

1,2-Dichloropropane

Concen: 64.647 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061339.D

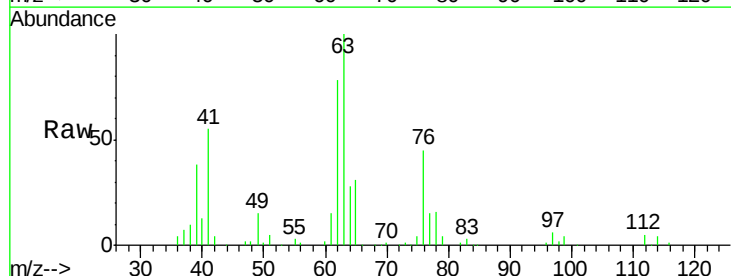
Acq: 26 Mar 2019 16:40

Tgt Ion: 63 Resp: 318281

Ion Ratio Lower Upper

63 100

65 30.9 25.2 37.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

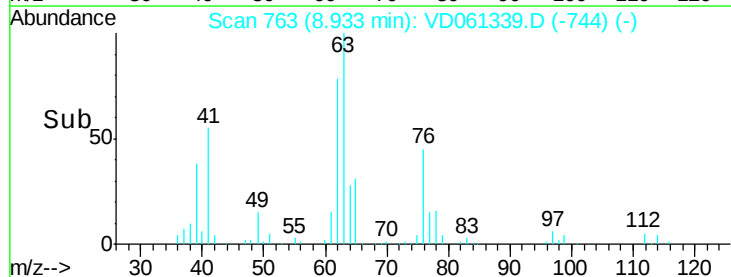
100000

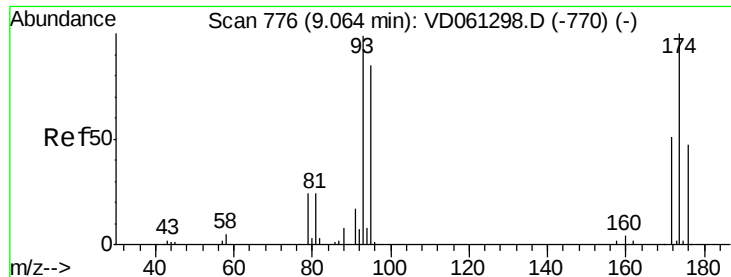
50000

0

8.80 8.90 9.00

Time-->





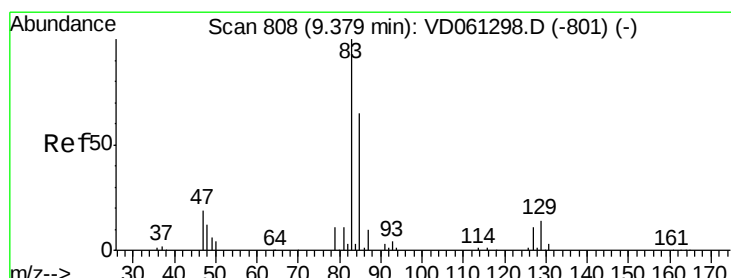
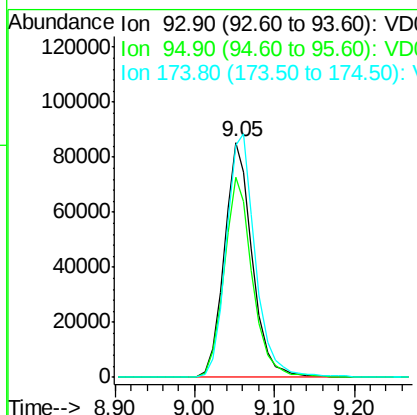
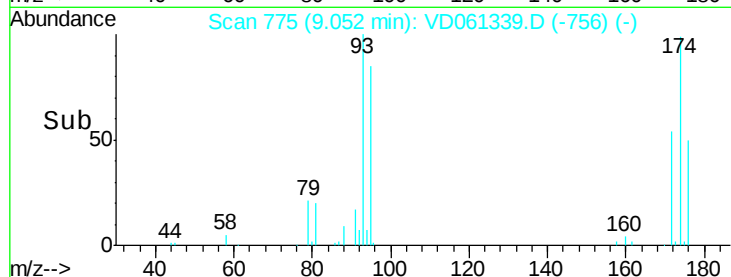
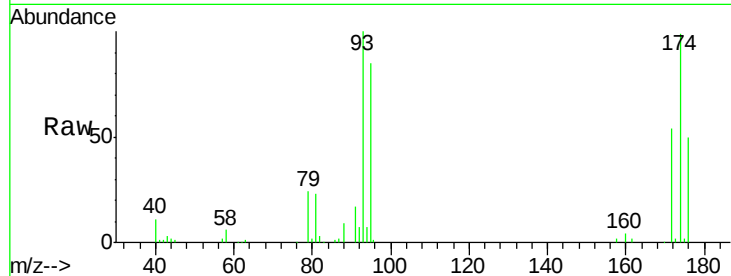
#46
 Dibromomethane
 Concen: 62.087 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	209530		
95	85.1	68.1	102.1	
174	98.5	80.4	120.6	

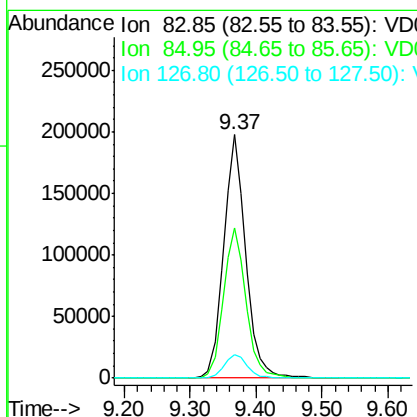
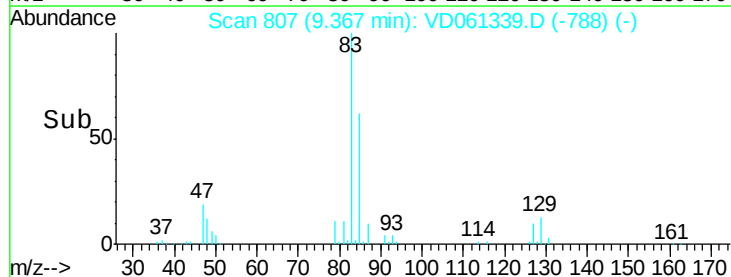
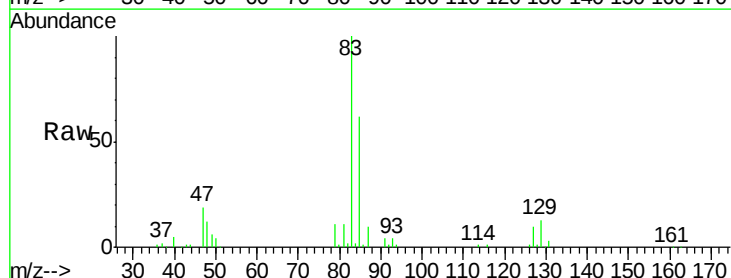
Manual Integrations
 APPROVED

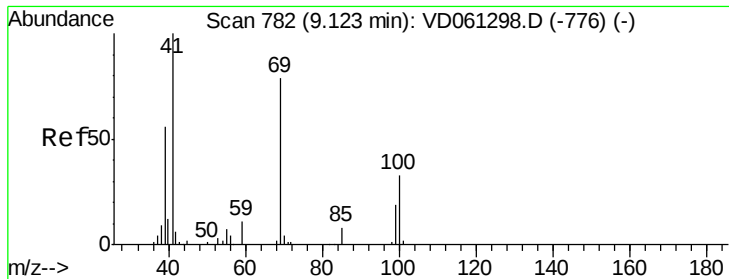
MMDadoda
 3/27/2019 12:02:27 PM



#47
 Bromodichloromethane
 Concen: 58.468 ug/l
 RT: 9.37 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	462481		
85	61.5	51.7	77.5	
127	9.7	8.8	13.2	





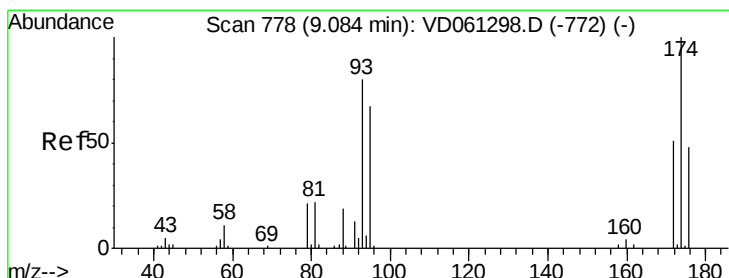
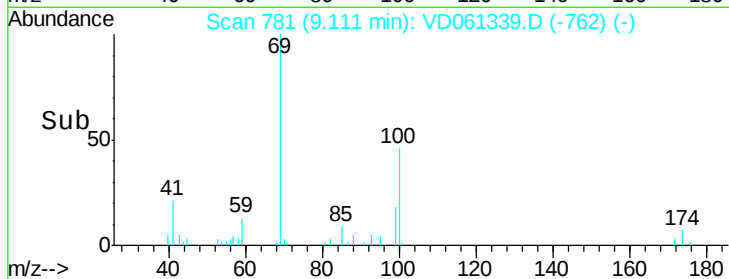
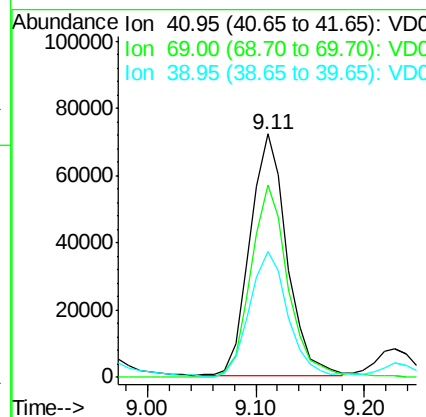
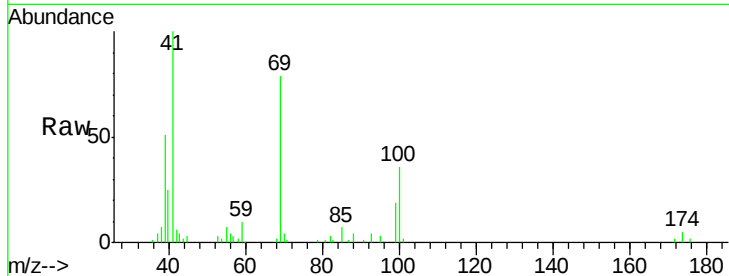
#48
Methvl methacrylate
Concen: 65.631 ug/l
RT: 9.11 min Scan# 781
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Resp	Lower	Upper
41	100	169448		
69	79.0	62.4	93.6	
39	51.5	44.9	67.3	

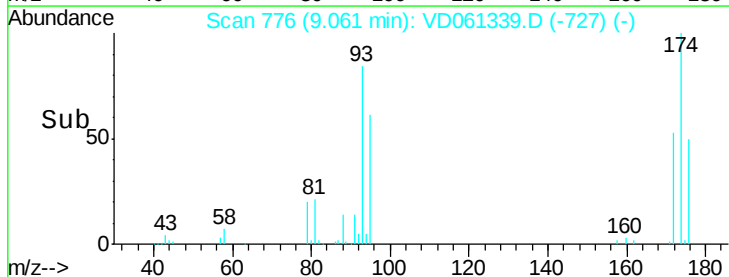
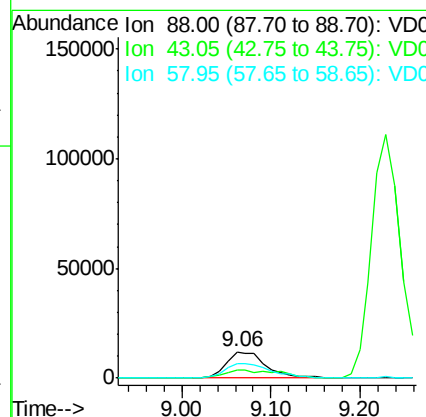
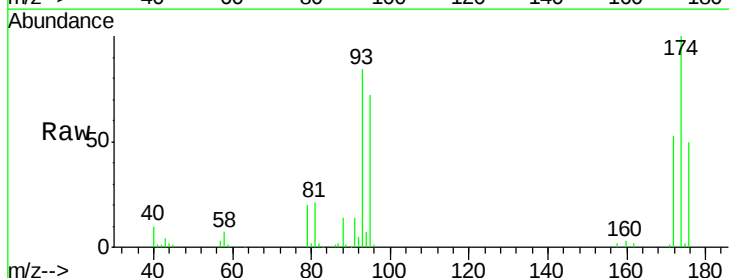
Manual Integrations
APPROVED

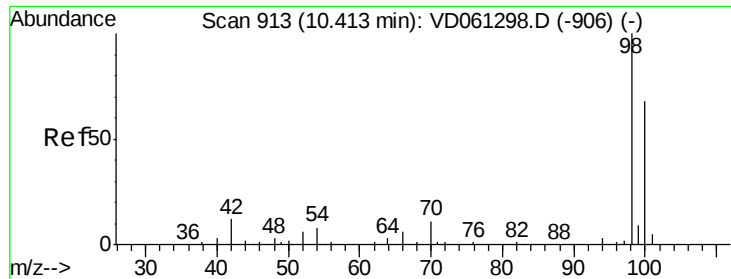
MMDadoda
3/27/2019 12:02:27 PM



#49
1,4-Dioxane
Concen: 1332.998 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	37761		
43	28.8	20.7	31.1	
58	52.9	44.9	67.3	





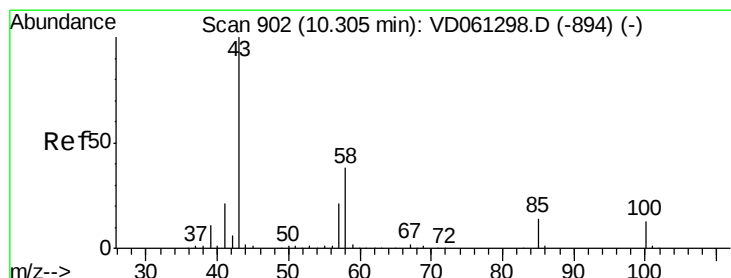
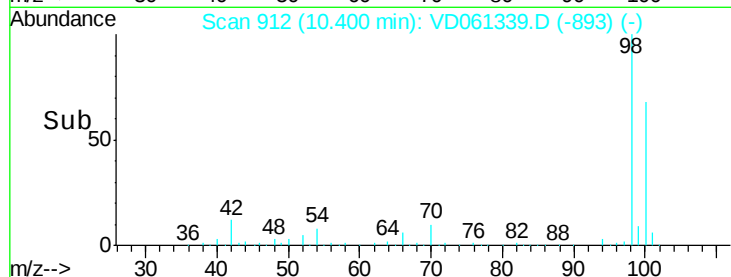
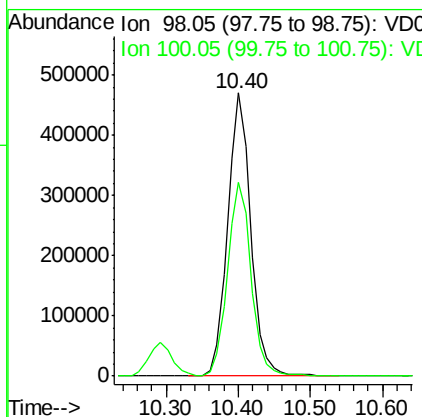
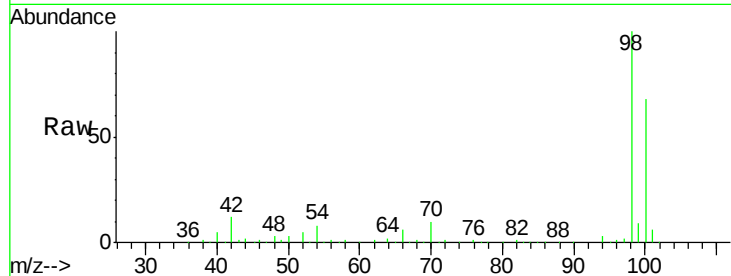
#50
Toluene-d8
Concen: 1332.998 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion: 98 Resp: 1049888
Ion Ratio Lower Upper
98 100
100 68.5 55.4 83.0

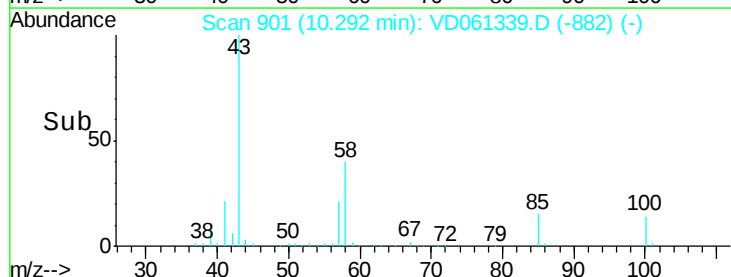
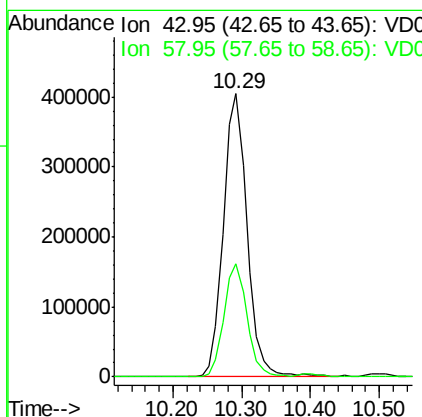
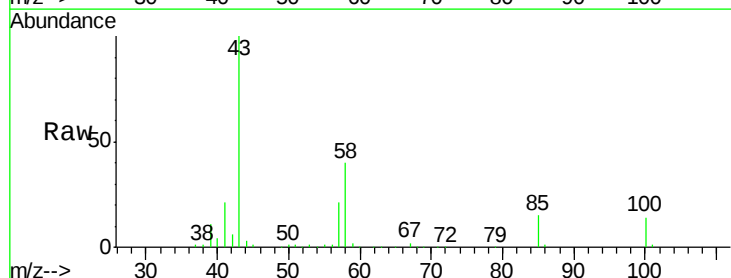
Manual Integrations
APPROVED

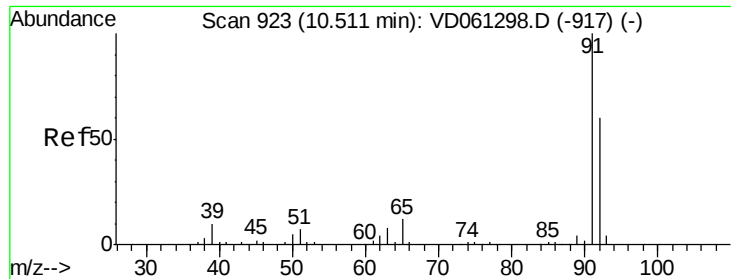
MMDadoda
3/27/2019 12:02:27 PM



#51
4-Methyl-2-Pentanone
Concen: 335.132 ug/l
RT: 10.29 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion: 43 Resp: 965049
Ion Ratio Lower Upper
43 100
58 39.9 30.6 45.8





#52

Toluene

Concen: 54.879 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion: 92 Resp: 669843

Ion Ratio Lower Upper

92 100

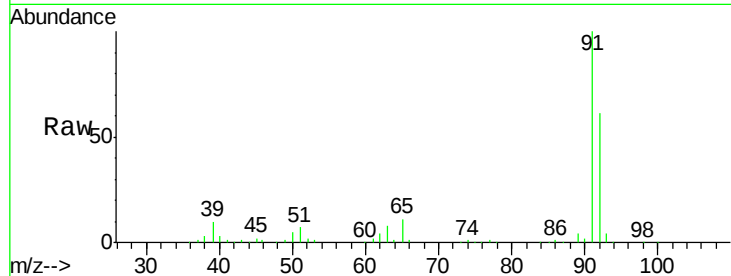
91 164.3 133.1 199.7

Manual Integrations

APPROVED

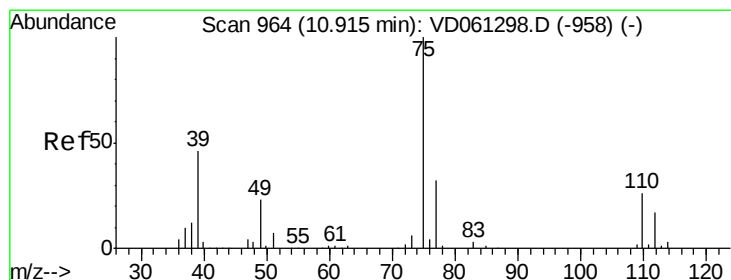
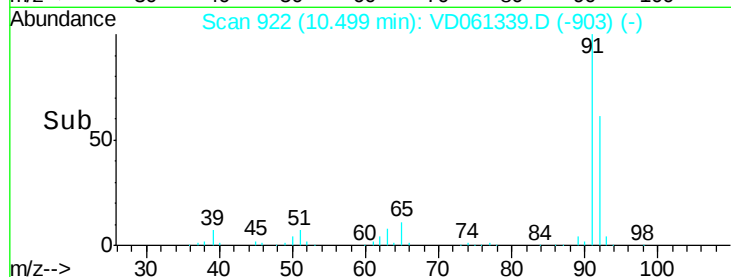
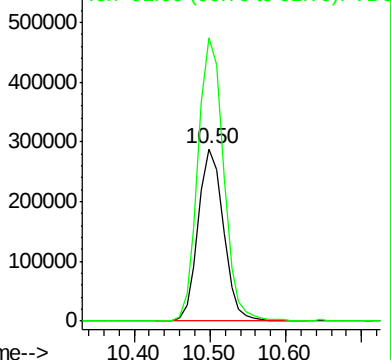
MMDadoda

3/27/2019 12:02:27 PM



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 55.256 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD061339.D

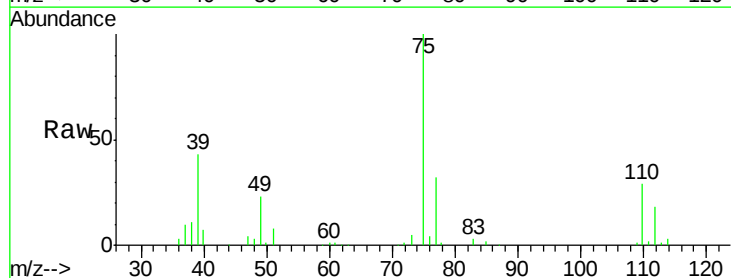
Acq: 26 Mar 2019 16:40

Tgt Ion: 75 Resp: 379847

Ion Ratio Lower Upper

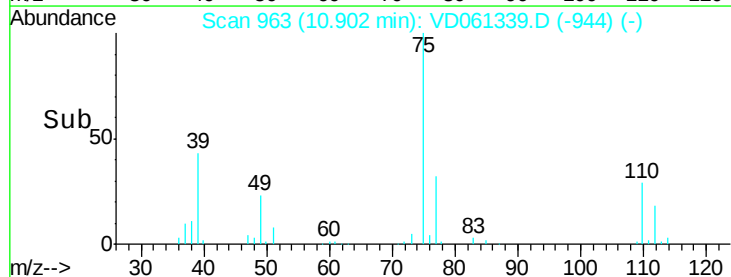
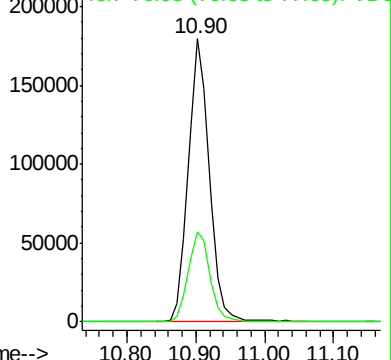
75 100

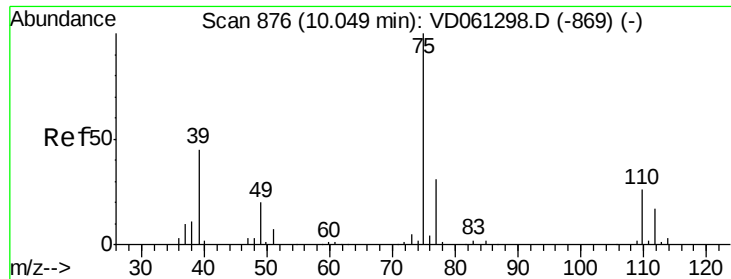
77 31.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

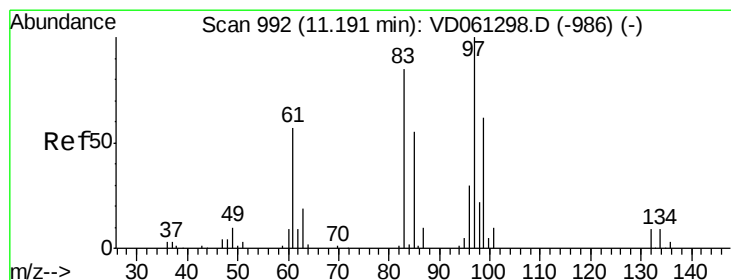
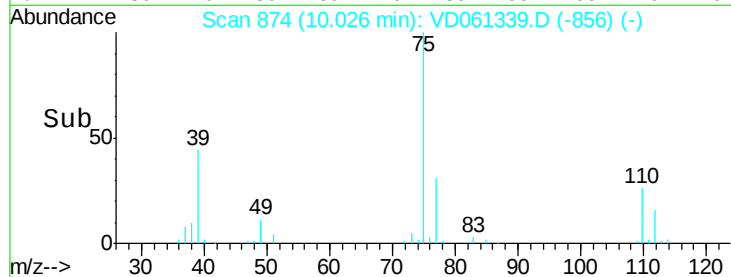
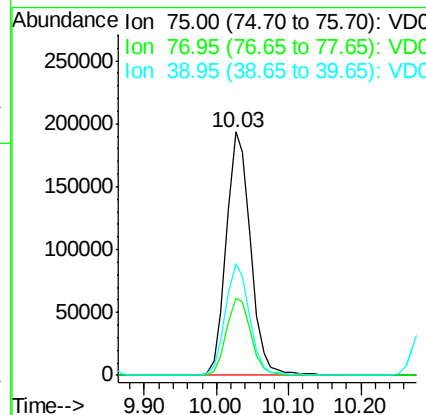
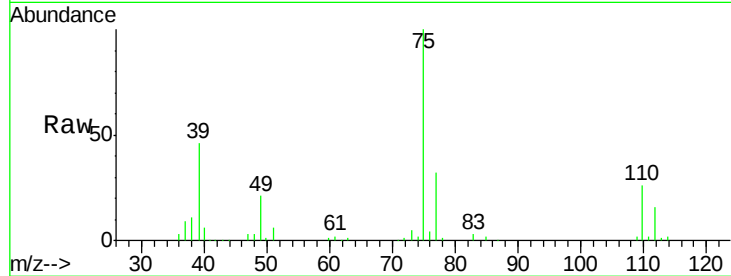
cis-1,3-Dichloropropene
Concen: 53.593 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.02 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	46.0	36.0	54.0

Manual Integrations
APPROVED

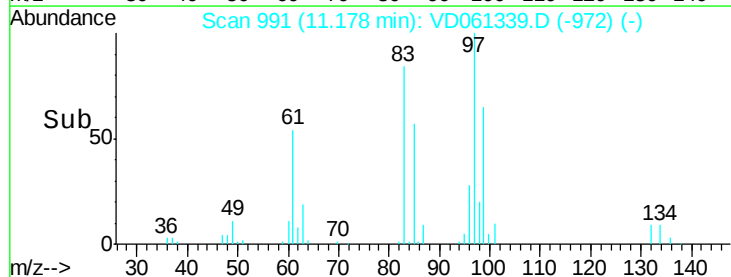
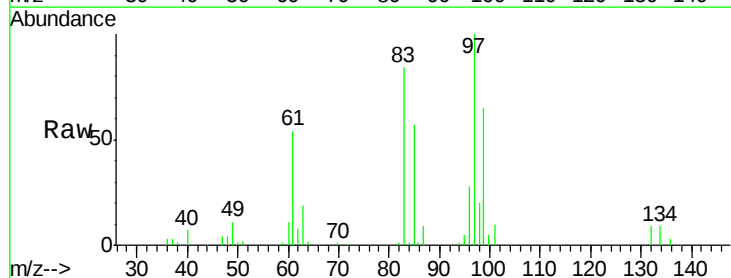
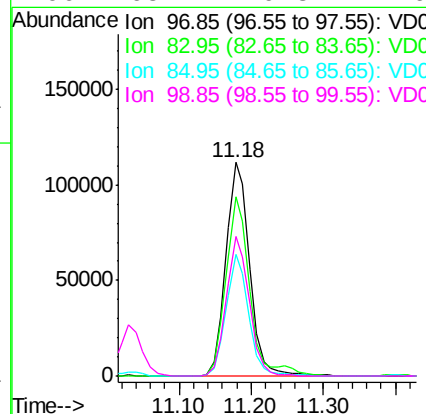
MMDadoda
3/27/2019 12:02:27 PM

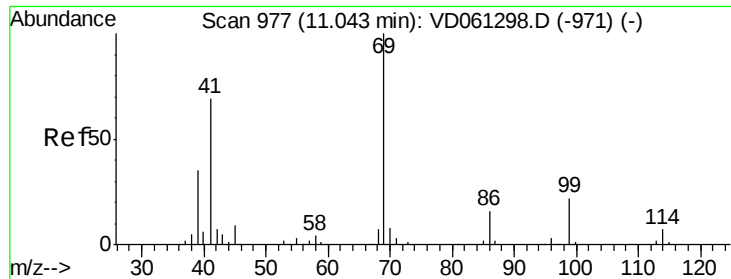


#55

1,1,2-Trichloroethane
Concen: 62.445 ug/l
RT: 11.18 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.7	101.5
85	56.9	43.8	65.8
99	65.1	49.8	74.6





#56

Ethyl methacrylate

Concen: 56.808 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

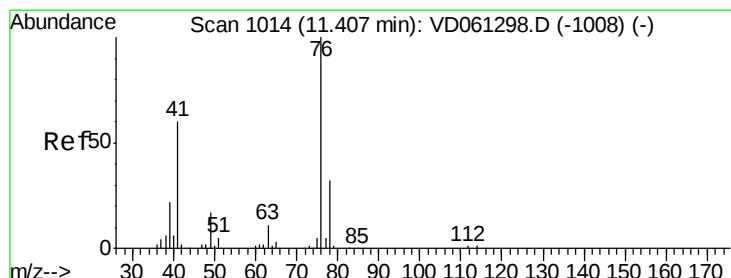
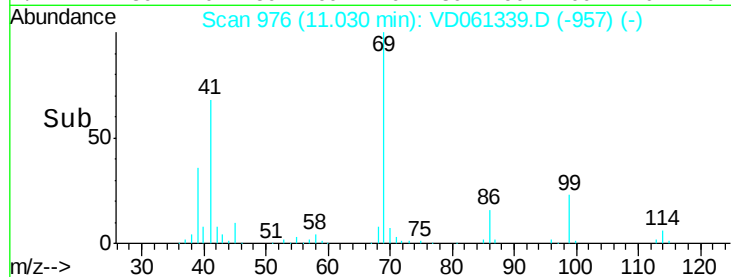
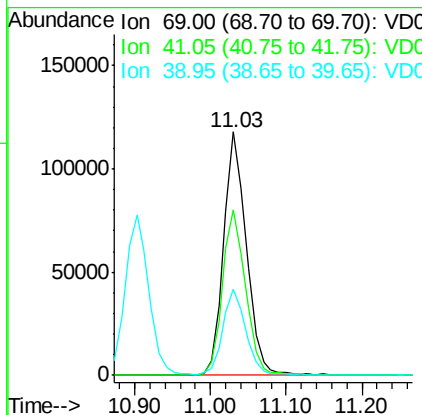
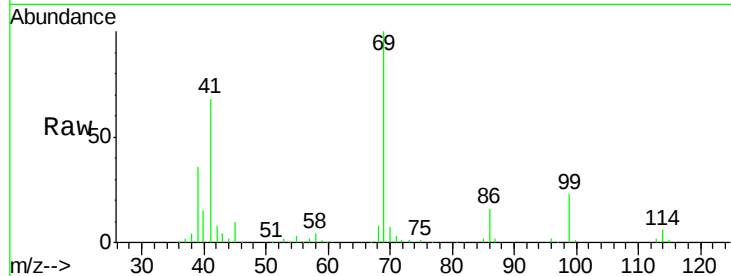
ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:	69	Resp:	245646
Ion Ratio	Lower	Upper	
69	100		
41	68.0	54.9	82.3
39	35.5	28.5	42.7

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM



#57

1,3-Dichloropropane

Concen: 60.957 ug/l

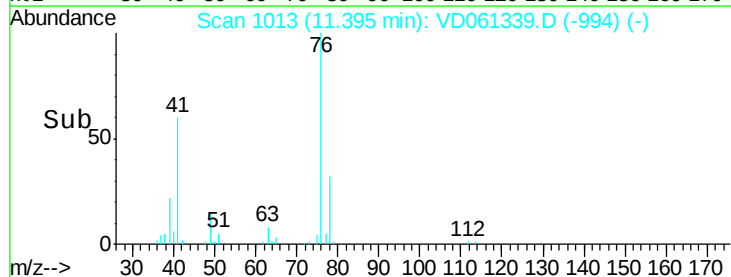
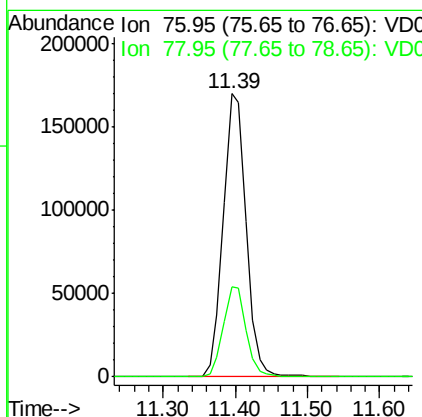
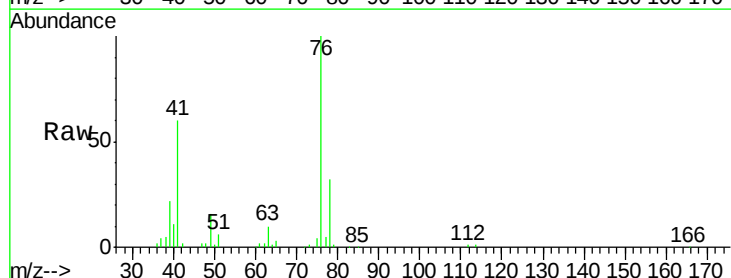
RT: 11.39 min Scan# 1013

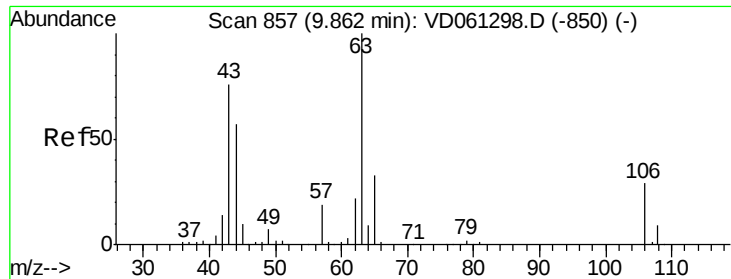
Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Tgt Ion:	76	Resp:	373056
Ion Ratio	Lower	Upper	
76	100		
78	31.8	25.7	38.5





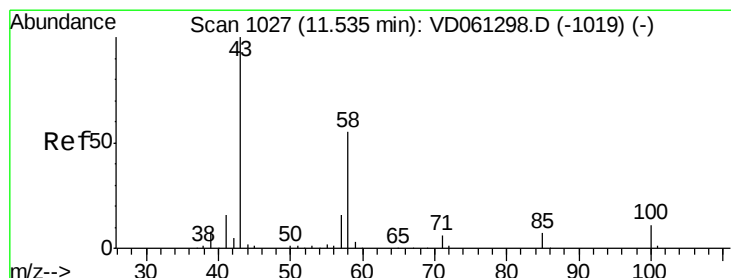
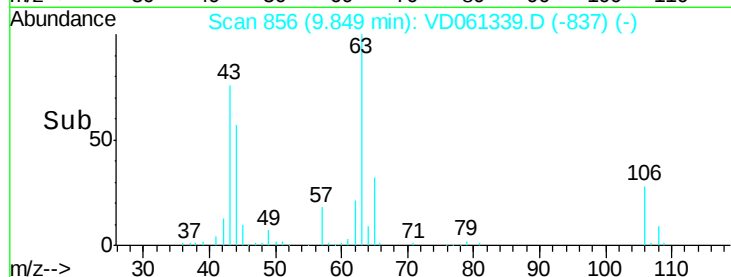
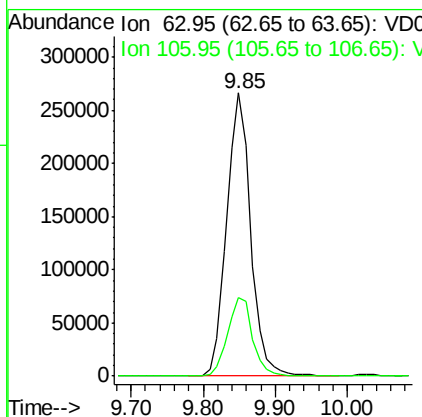
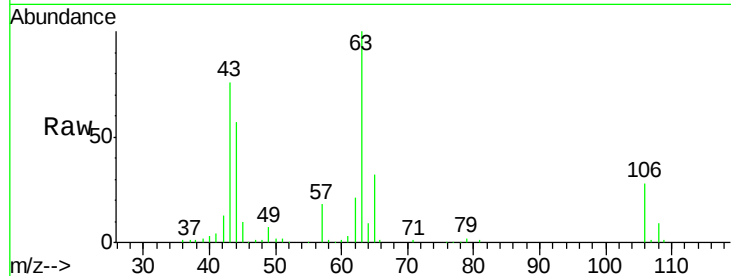
#58
2-Chloroethyl Vinyl ether
Concen: 274.001 ug/l
RT: 9.85 min Scan# 856
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion: 63 Resp: 616385
Ion Ratio Lower Upper
63 100
106 27.6 23.4 35.0

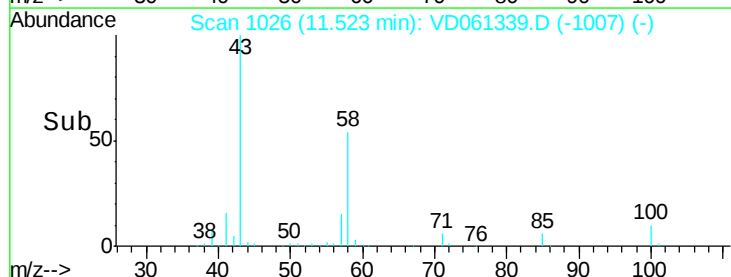
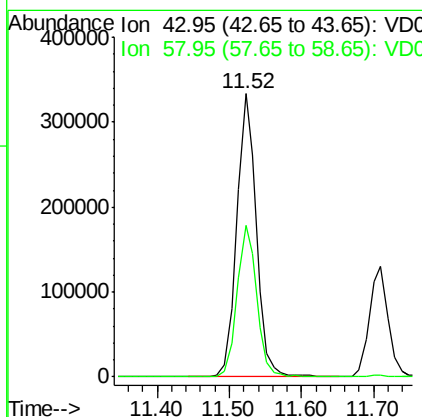
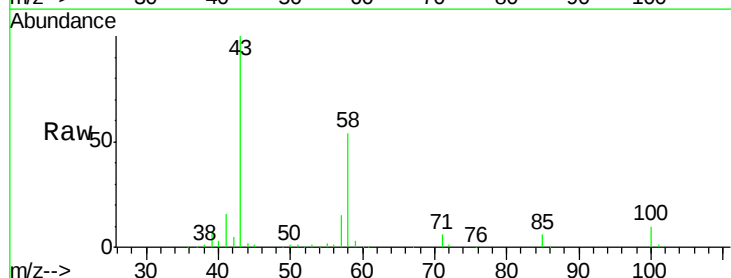
Manual Integrations
APPROVED

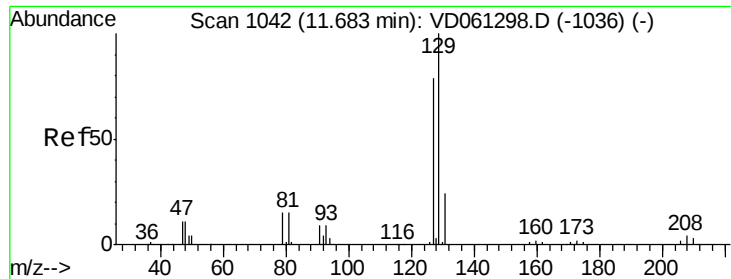
MMDadoda
3/27/2019 12:02:27 PM



#59
2-Hexanone
Concen: 302.021 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion: 43 Resp: 631657
Ion Ratio Lower Upper
43 100
58 53.8 27.4 82.0





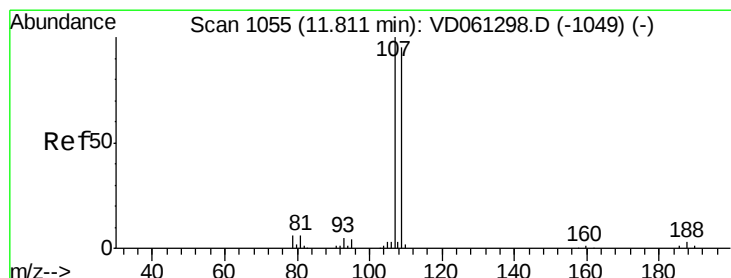
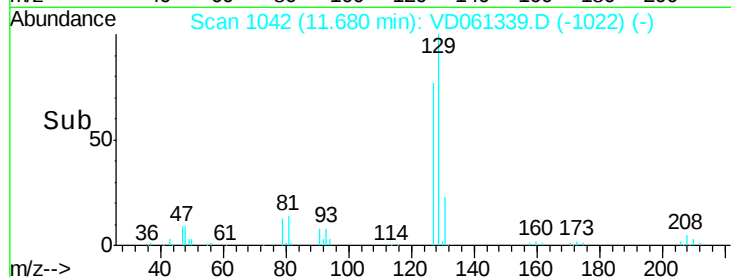
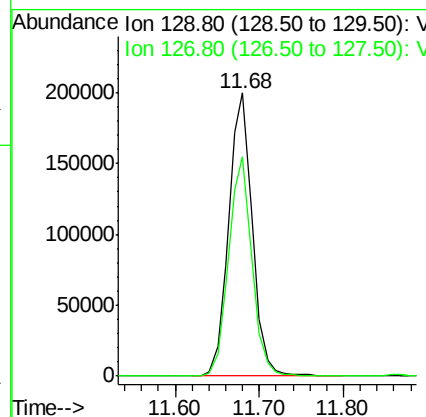
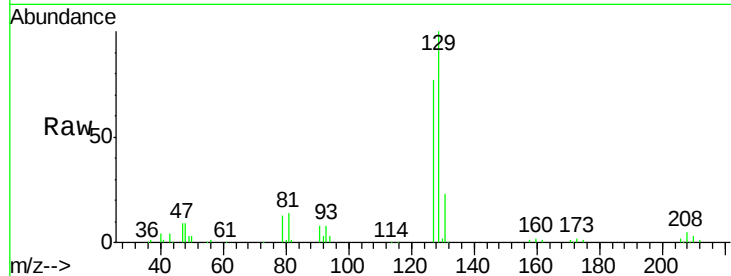
#60
Dibromochloromethane
Concen: 60.959 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion:129 Resp: 386893
Ion Ratio Lower Upper
129 100
127 77.3 39.6 119.0

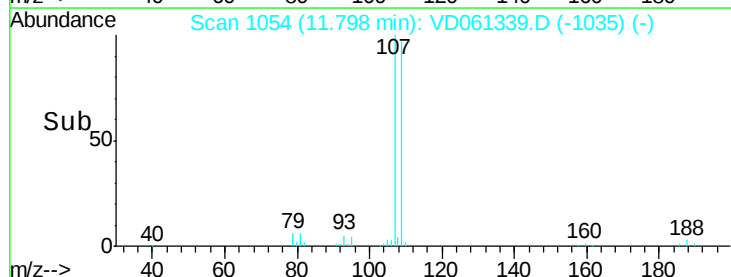
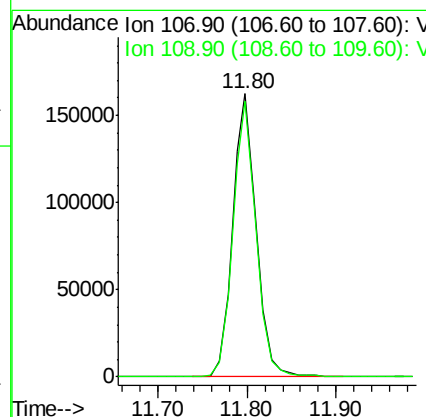
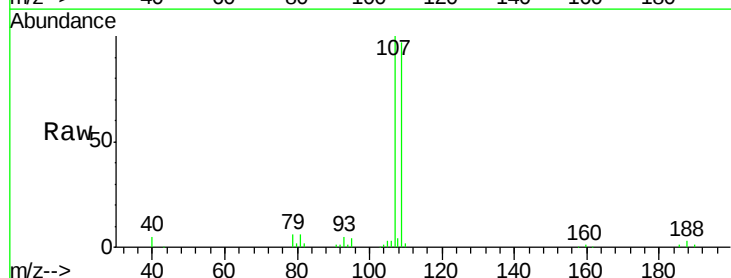
Manual Integrations
APPROVED

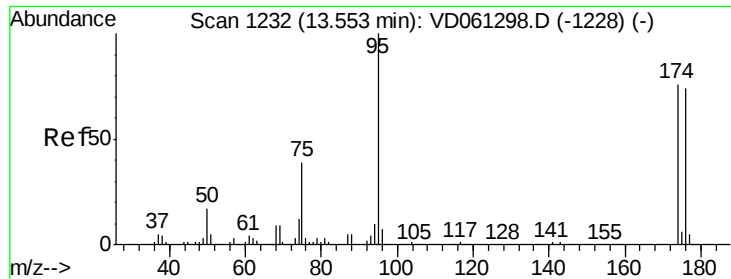
MMDadoda
3/27/2019 12:02:27 PM



#61
1,2-Dibromoethane
Concen: 63.533 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion:107 Resp: 300812
Ion Ratio Lower Upper
107 100
109 97.4 76.1 114.1





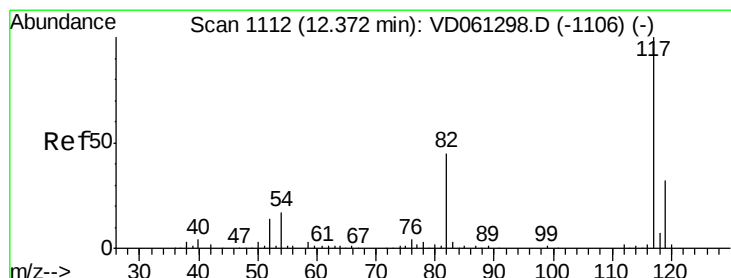
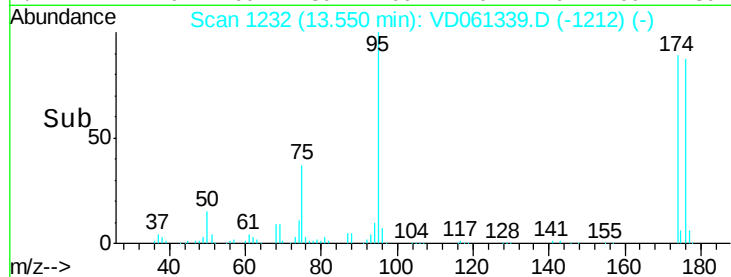
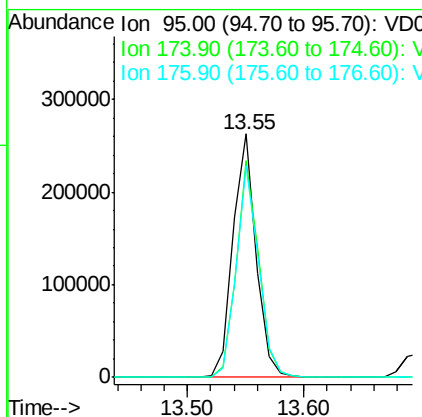
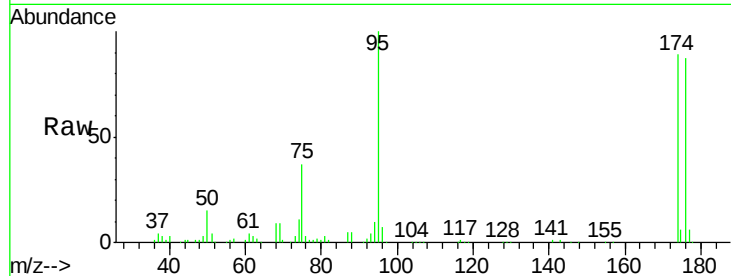
#62
4-Bromofluorobenzene
Concen: 63.533 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	358746		
174	89.2	0.0	151.8	
176	87.1	0.0	148.0	

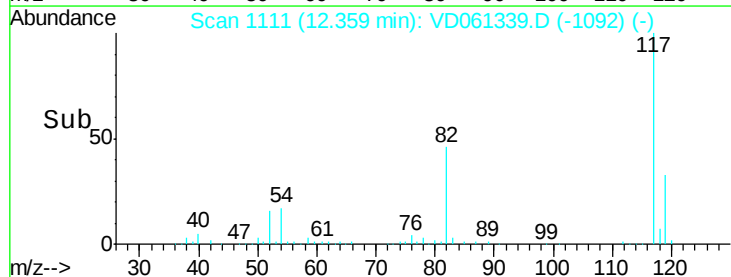
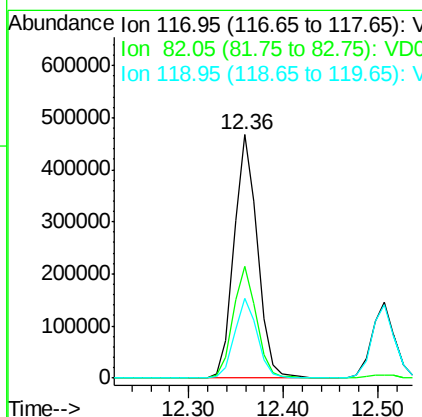
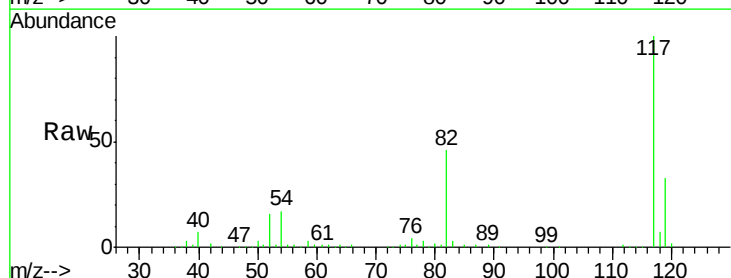
Manual Integrations
APPROVED

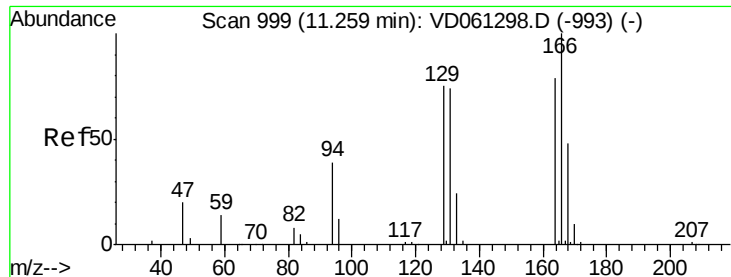
MMDadoda
3/27/2019 12:02:27 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	798130		
82	45.9	35.7	53.5	
119	32.7	25.9	38.9	





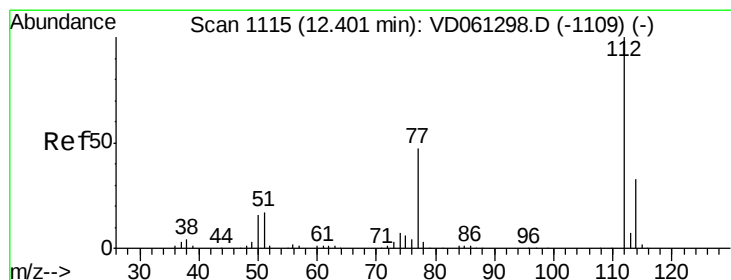
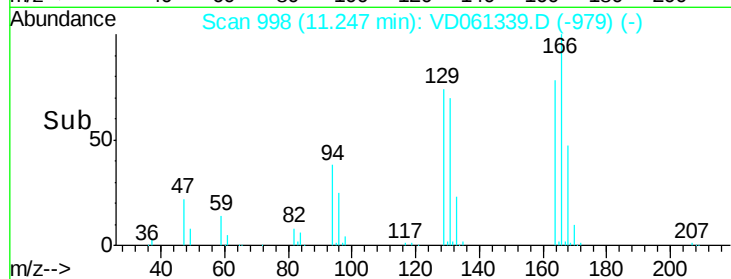
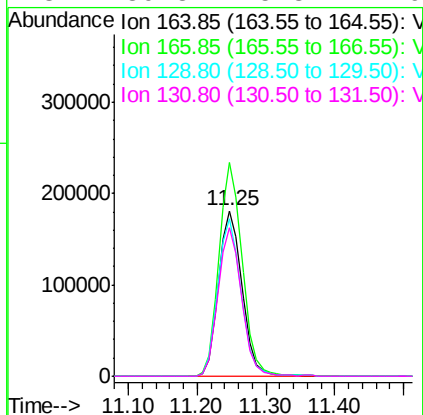
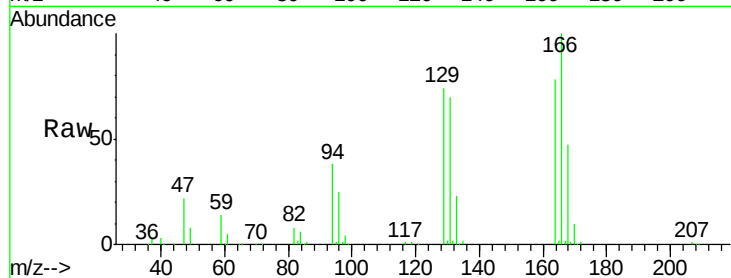
#64
Tetrachloroethene
Concen: 78.091 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.6	152.4
129	95.2	75.9	113.9
131	89.8	75.3	112.9

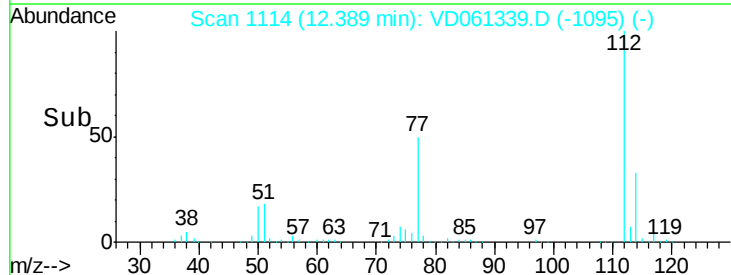
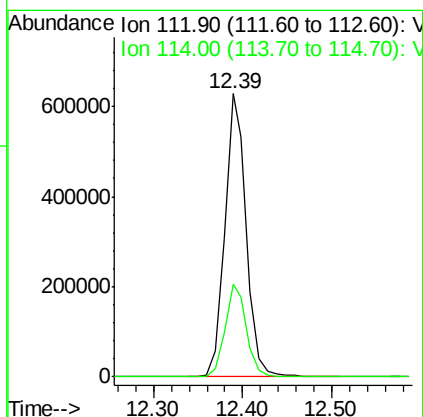
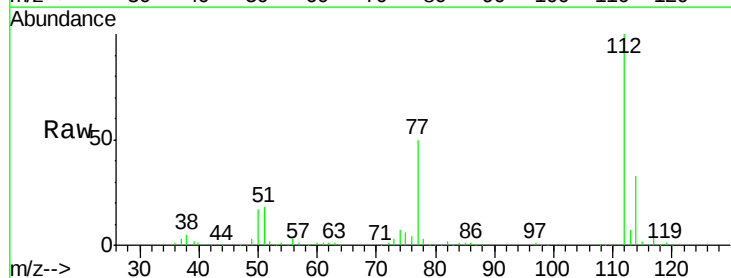
Manual Integrations
APPROVED

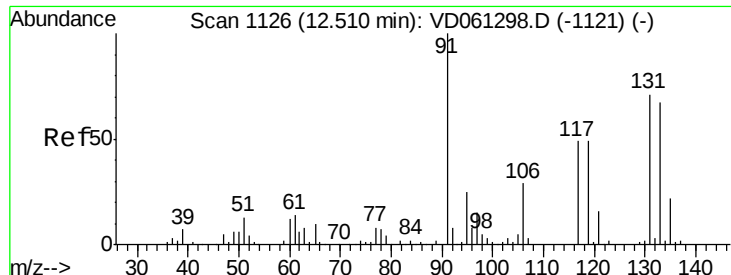
MMDadoda
3/27/2019 12:02:27 PM



#65
Chlorobenzene
Concen: 71.962 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.5	39.7





#66

1,1,1,2-Tetrachloroethane

Concen: 59.866 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:131 Resp: 341210

Ion Ratio Lower Upper

131 100

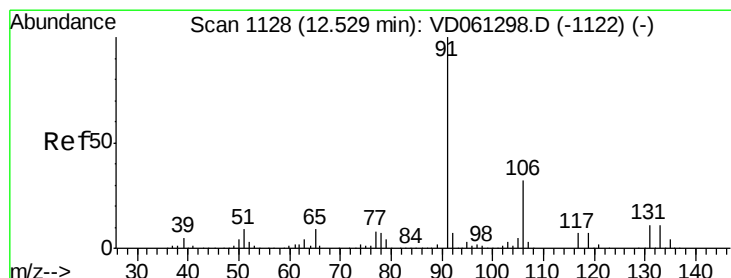
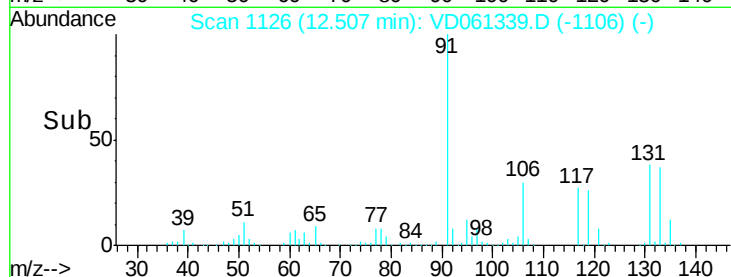
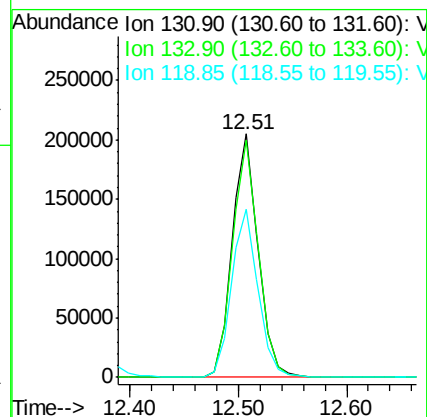
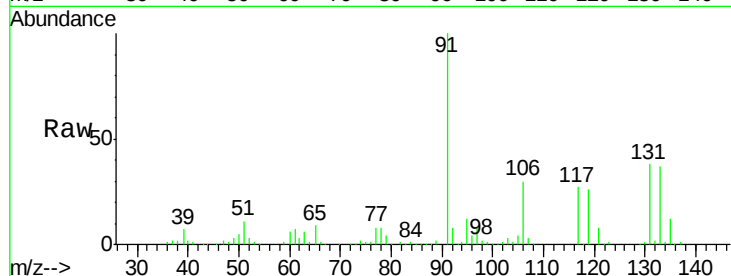
133 97.4 47.0 141.2

119 68.8 34.8 104.5

Manual Integrations
APPROVED

MMDadoda

3/27/2019 12:02:27 PM



#67

Ethyl Benzene

Concen: 57.534 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD061339.D

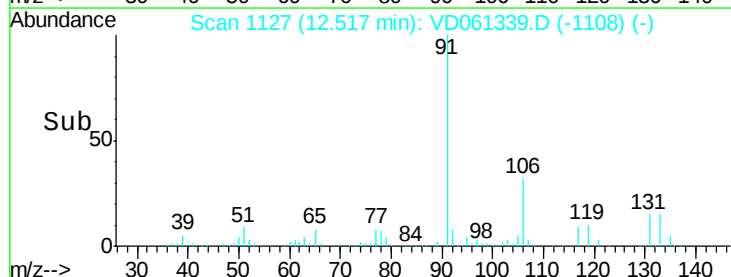
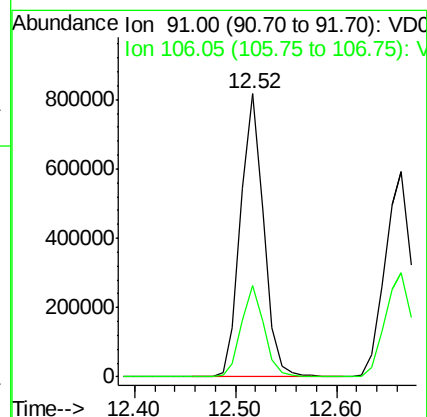
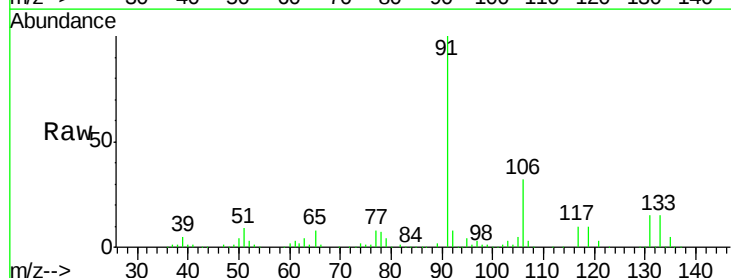
Acq: 26 Mar 2019 16:40

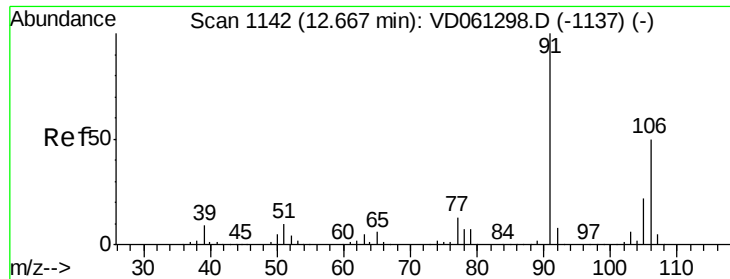
Tgt Ion: 91 Resp: 1294397

Ion Ratio Lower Upper

91 100

106 32.5 25.8 38.8





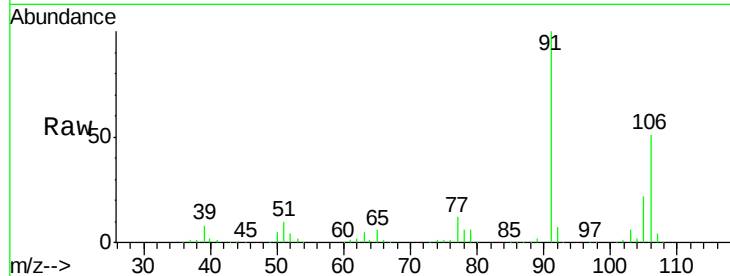
#68
m/p-Xylenes
Concen: 64.628 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

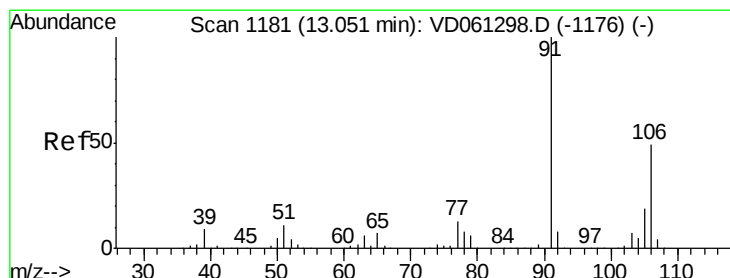
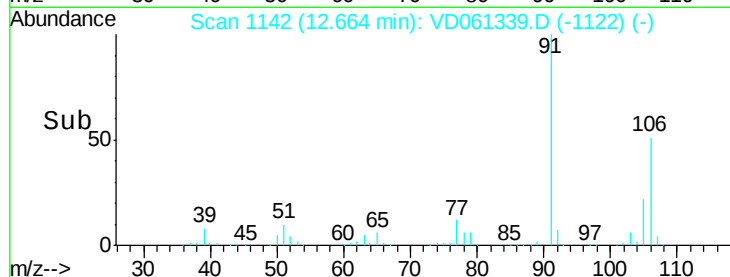
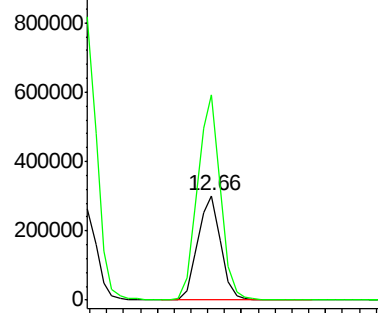
Tot Ion:106 Resp: 567580
Ion Ratio Lower Upper
106 100
91 196.6 159.2 238.8

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM

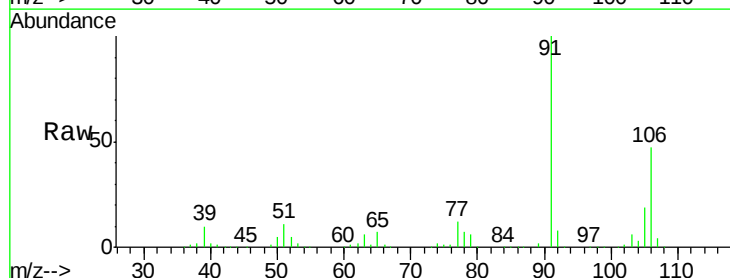


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

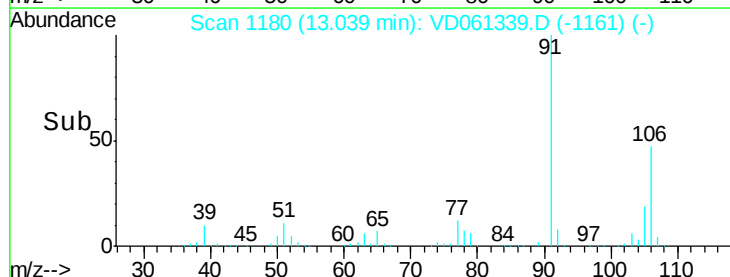
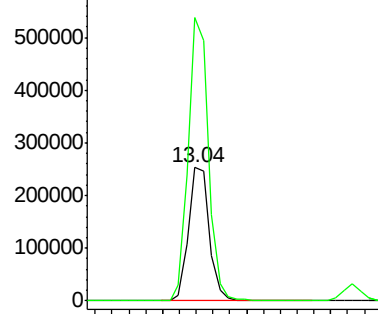


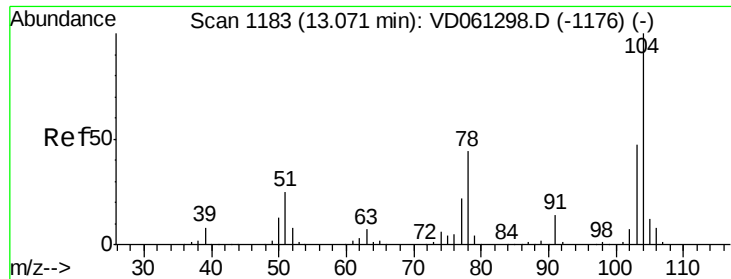
#69
o-Xylene
Concen: 53.394 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion:106 Resp: 434900
Ion Ratio Lower Upper
106 100
91 212.6 102.5 307.5



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





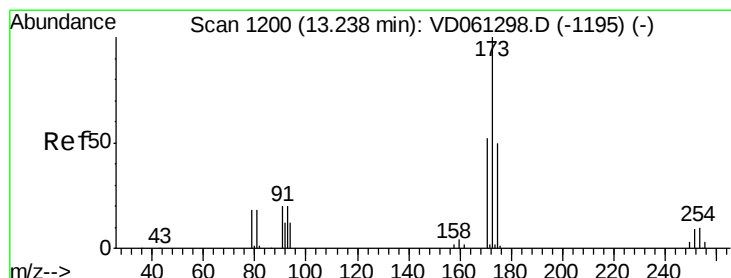
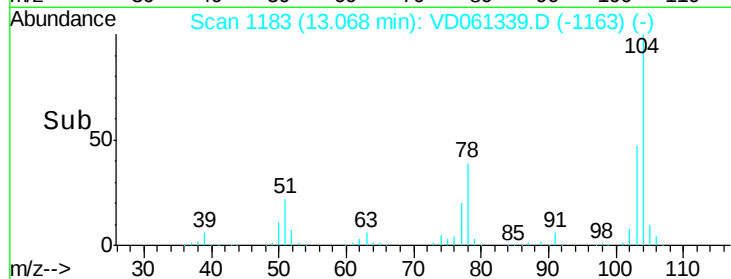
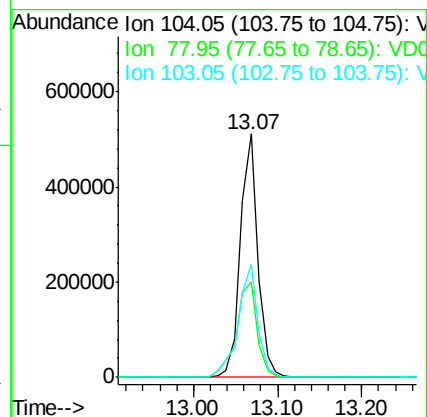
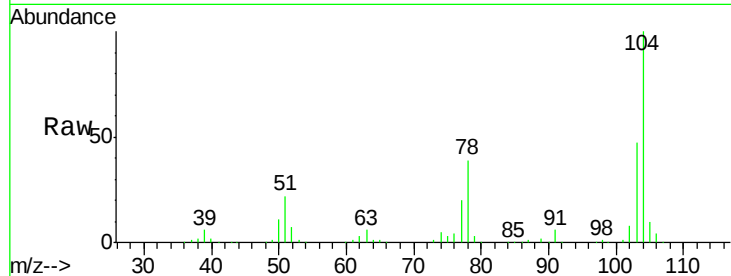
#70
Stvrene
Concen: 53.539 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	740091		
78	39.1		35.1	52.7
103	46.5		37.5	56.3

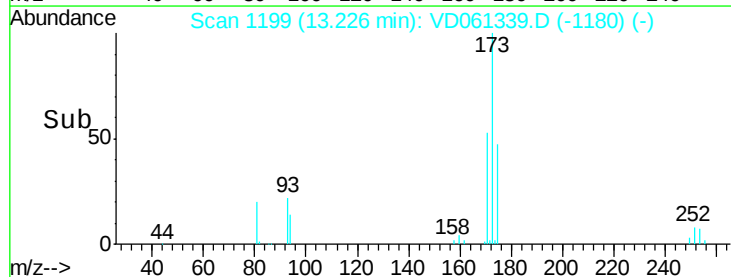
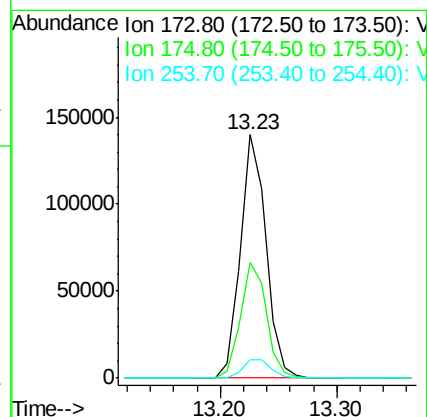
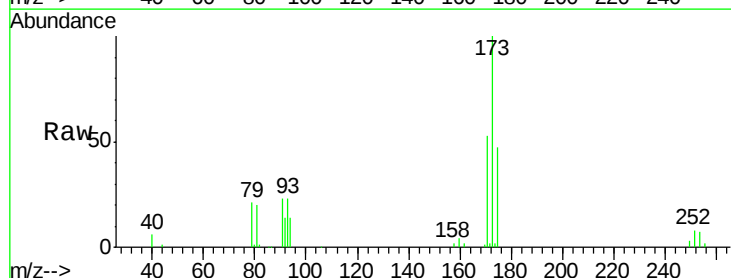
Manual Integrations
APPROVED

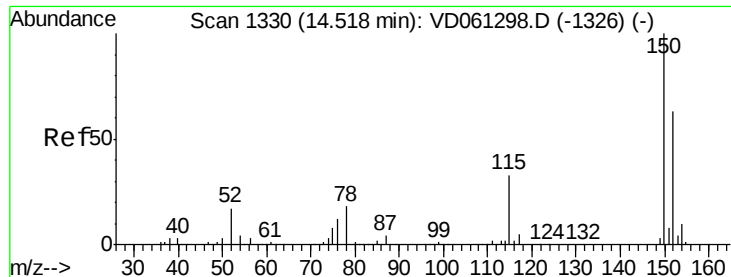
MMDadoda
3/27/2019 12:02:27 PM



#71
Bromoform
Concen: 61.107 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	213128		
175	47.3		24.9	74.7
254	7.5		7.8	11.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:152 Resp: 351288

Ion Ratio Lower Upper

152 100

115 51.8 29.2 87.6

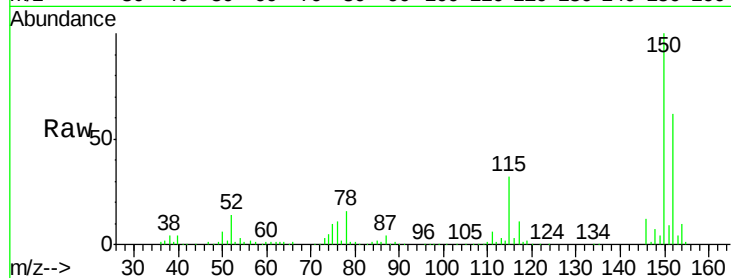
150 161.1 0.0 319.6

Manual Integrations

APPROVED

MMDadoda

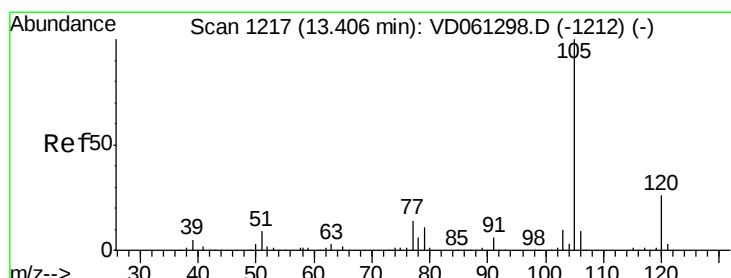
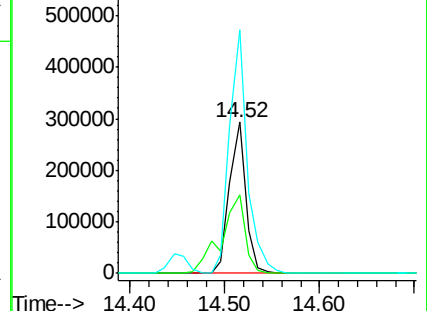
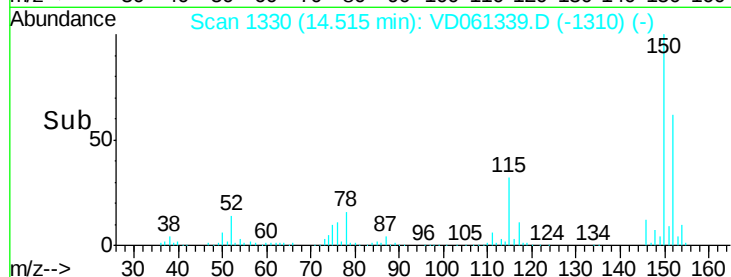
3/27/2019 12:02:27 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 54.701 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061339.D

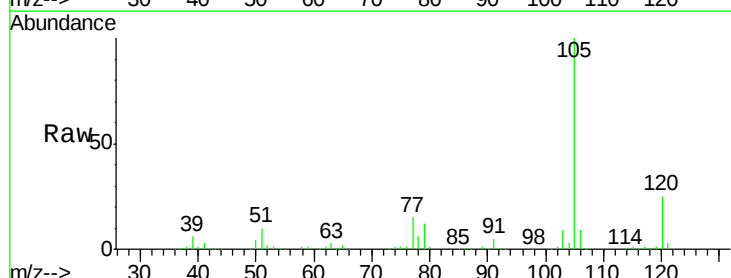
Acq: 26 Mar 2019 16:40

Tgt Ion:105 Resp: 1249846

Ion Ratio Lower Upper

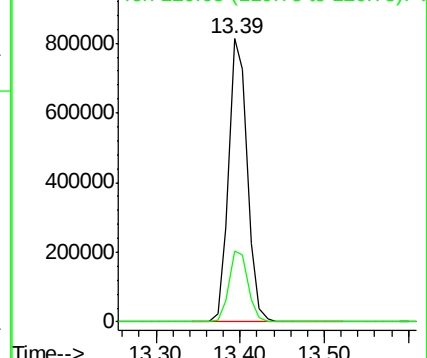
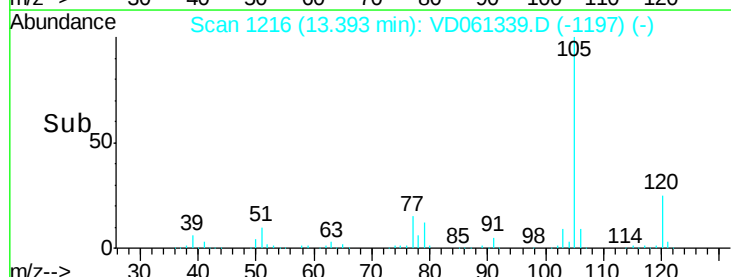
105 100

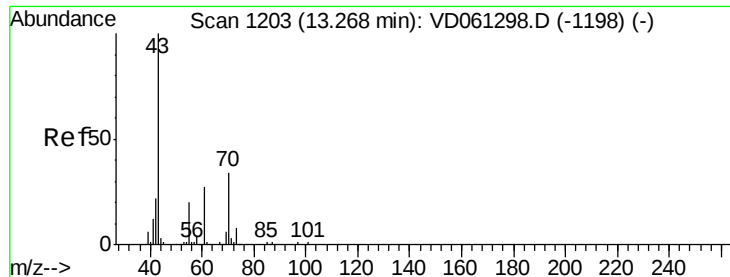
120 24.9 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 35.276 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

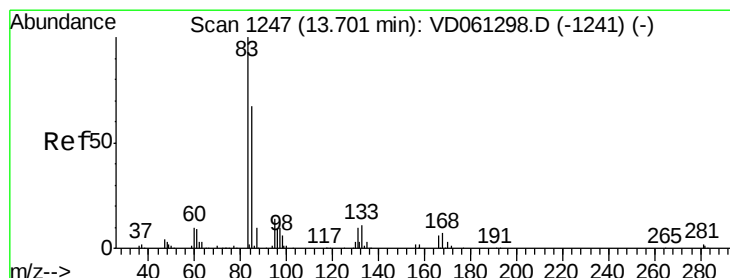
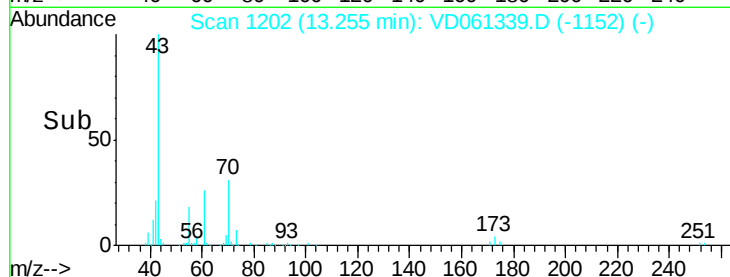
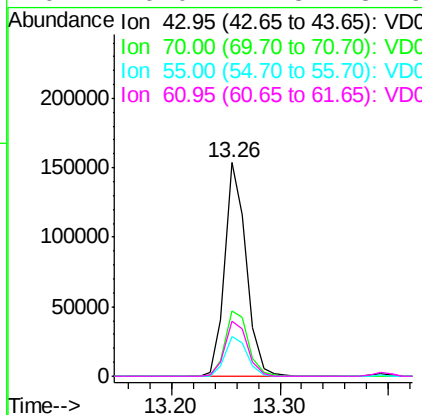
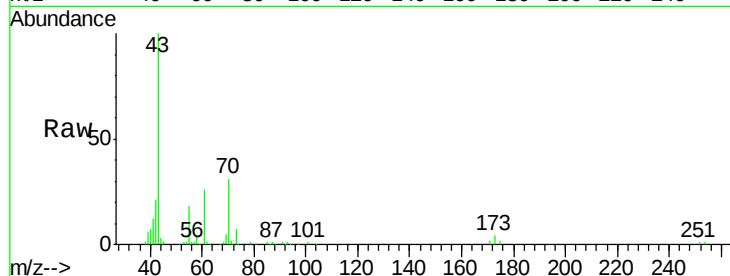
ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:	43	Resp:	210876
Ion	Ratio	Lower	Upper
43	100		
70	30.7	27.5	41.3
55	18.3	15.7	23.5
61	26.0	21.8	32.6

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 60.990 ug/l

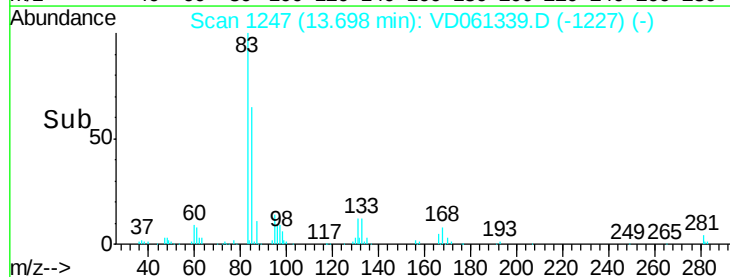
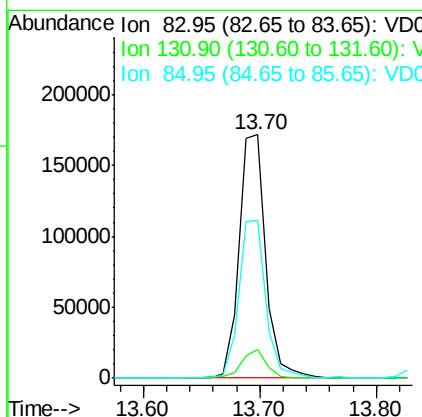
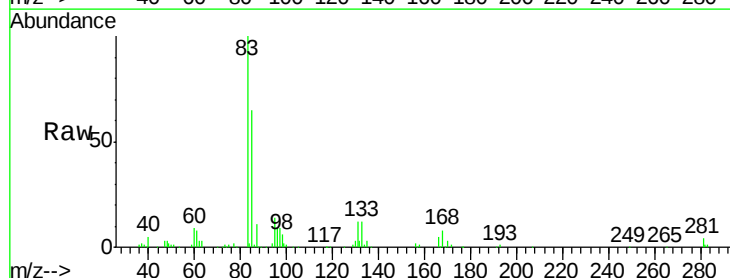
RT: 13.70 min Scan# 1247

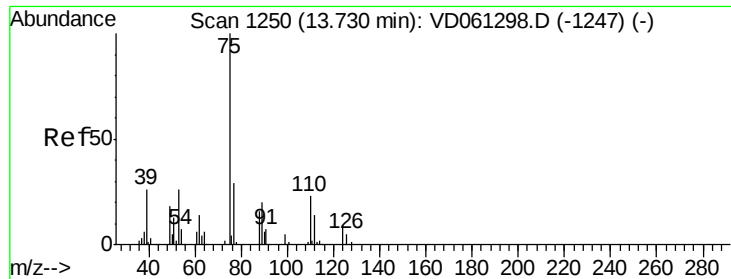
Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Tgt Ion:	83	Resp:	270239
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.0	15.0
85	64.9	33.4	100.2





#76

1,2,3-Trichloropropane

Concen: 55.504 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion: 75 Resp: 242480

Ion Ratio Lower Upper

75 100

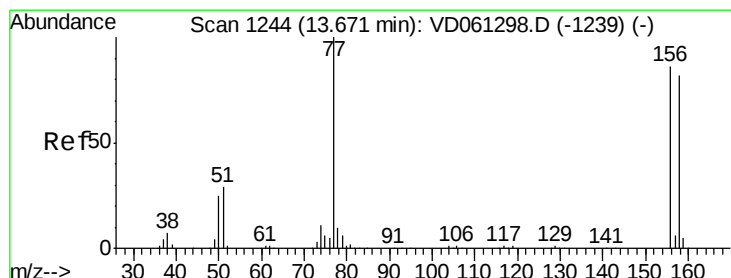
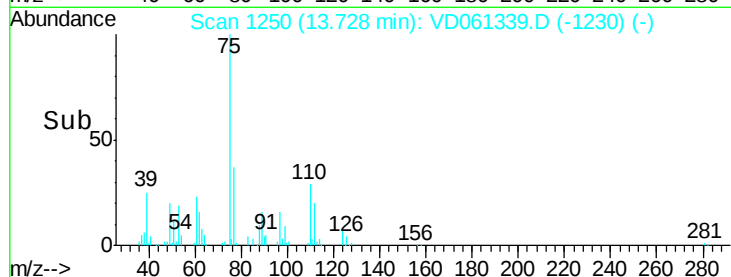
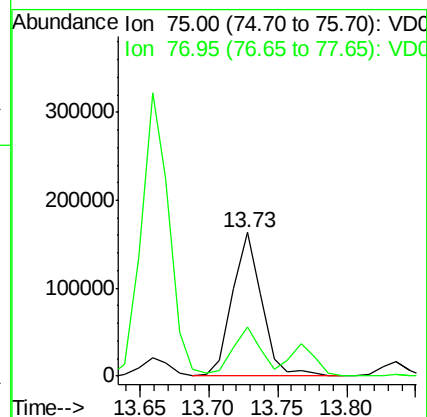
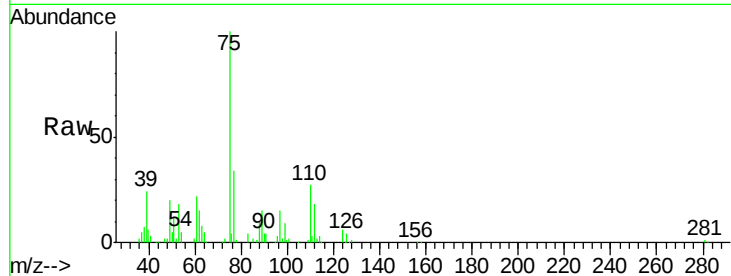
77 34.2 15.8 47.4

Manual Integrations

APPROVED

MMDadoda

3/27/2019 12:02:27 PM



#77

Bromobenzene

Concen: 57.480 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

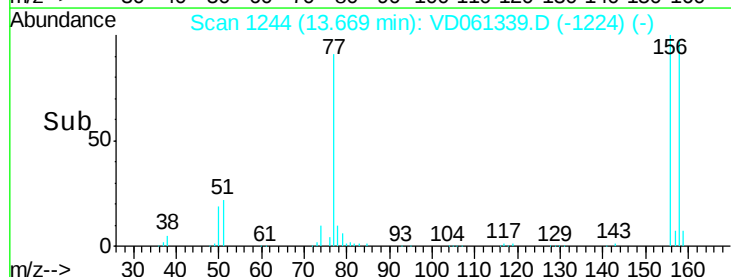
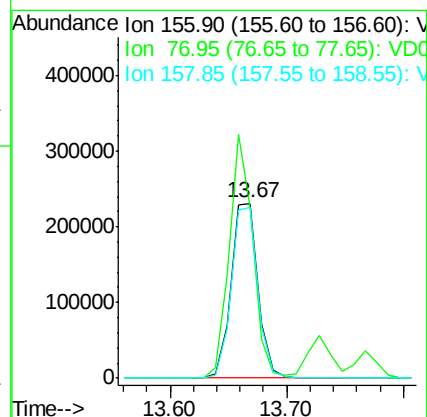
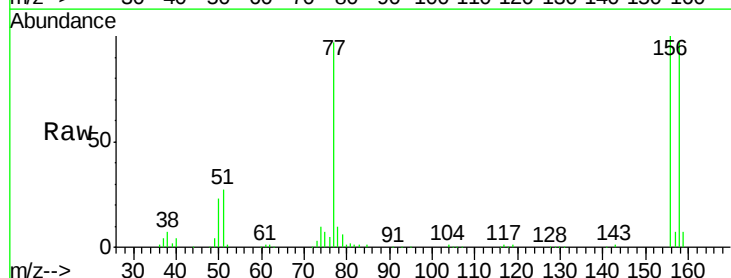
Tgt Ion: 156 Resp: 366854

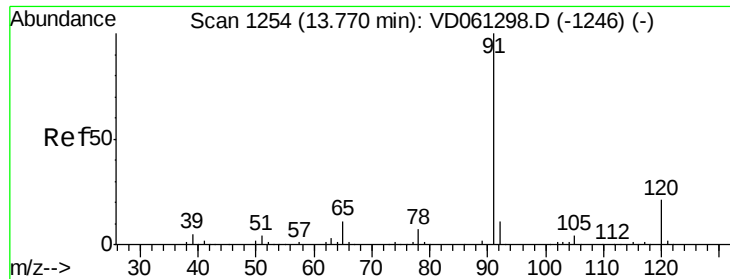
Ion Ratio Lower Upper

156 100

77 97.4 58.4 175.1

158 97.4 48.1 144.3





#78

n-propylbenzene

Concen: 53.840 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion: 91 Resp: 1387893

Ion Ratio Lower Upper

91 100

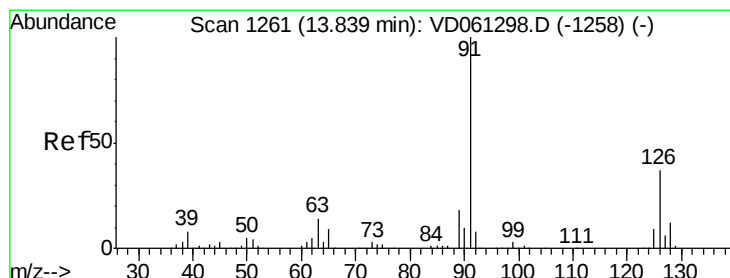
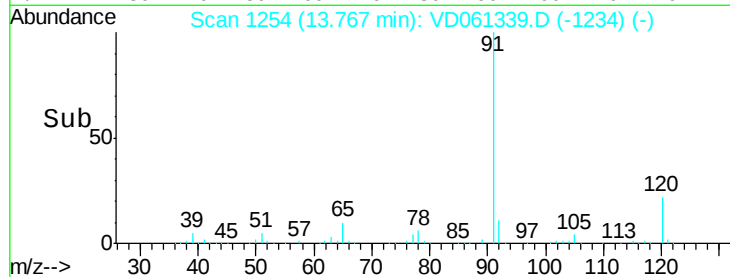
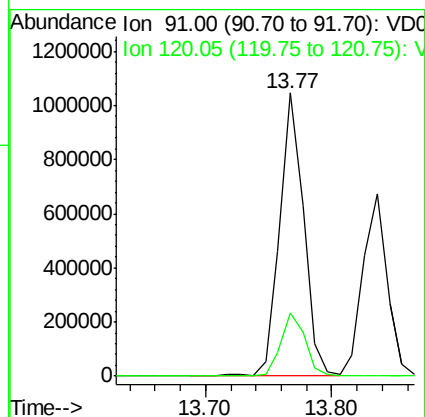
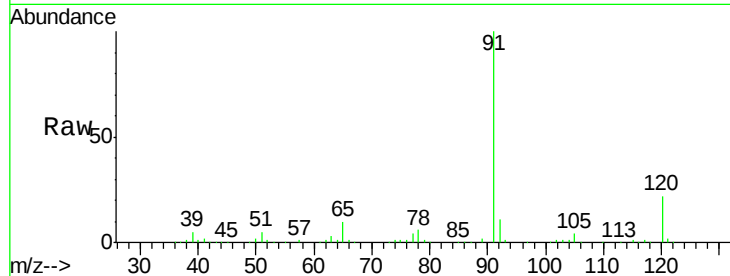
120 22.3 10.7 32.1

Manual Integrations

APPROVED

MMDadoda

3/27/2019 12:02:27 PM



#79

2-Chlorotoluene

Concen: 59.602 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061339.D

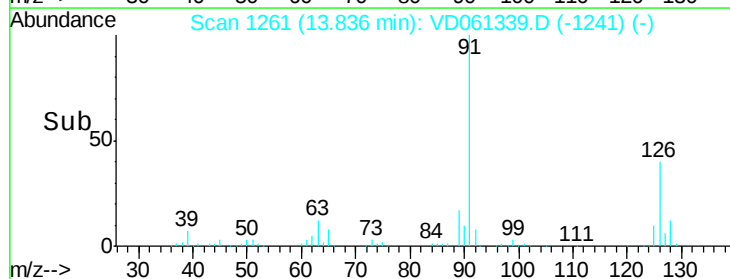
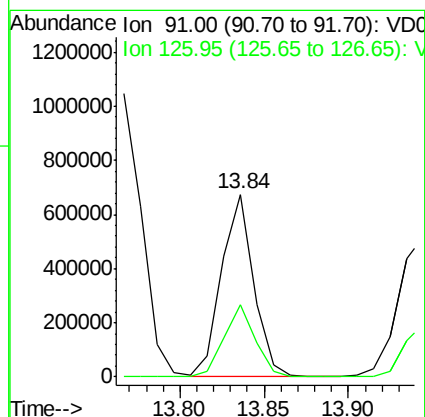
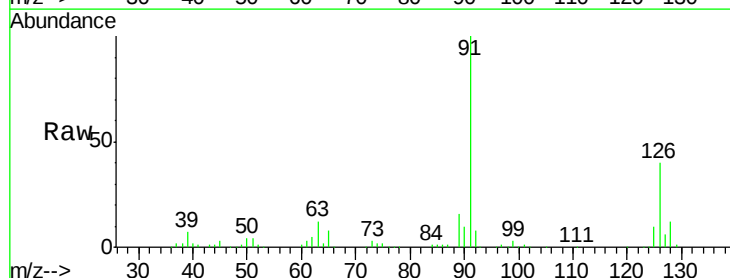
Acq: 26 Mar 2019 16:40

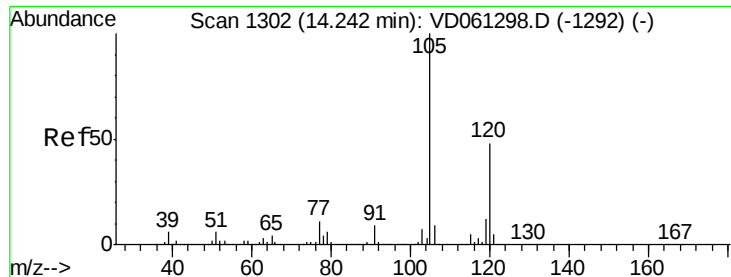
Tgt Ion: 91 Resp: 894558

Ion Ratio Lower Upper

91 100

126 39.5 18.4 55.4





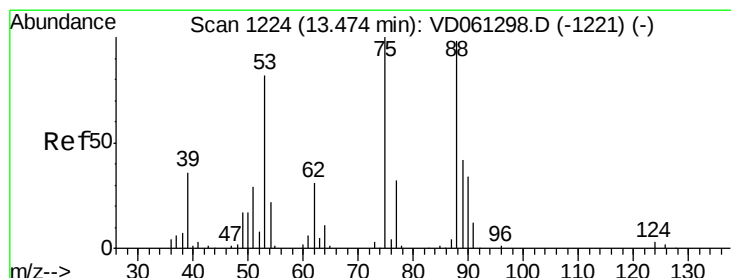
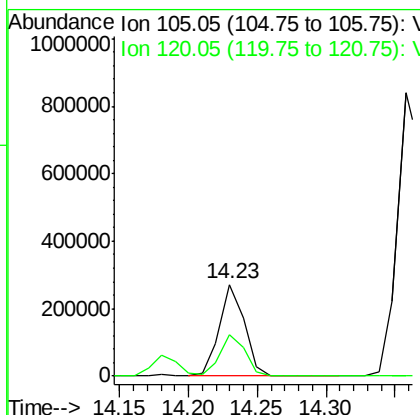
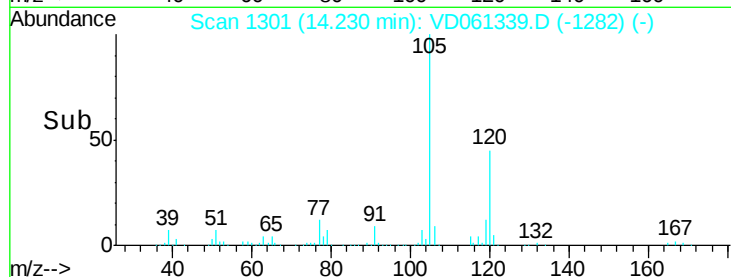
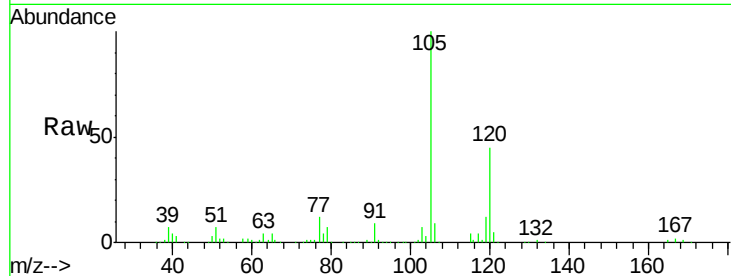
#80
 1,3,5-Trimethylbenzene
 Concen: 18.995 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Tot Ion:105 Resp: 342377
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.8 71.4

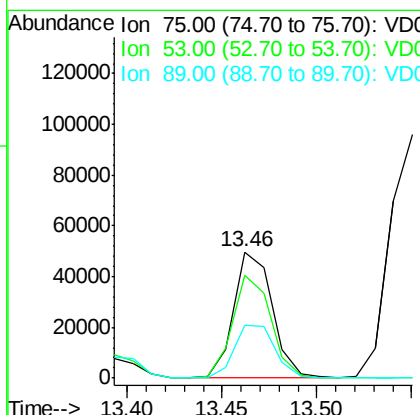
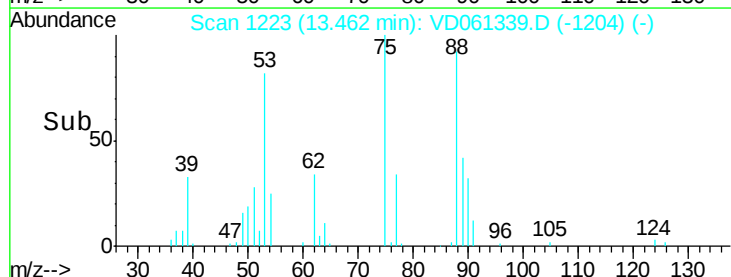
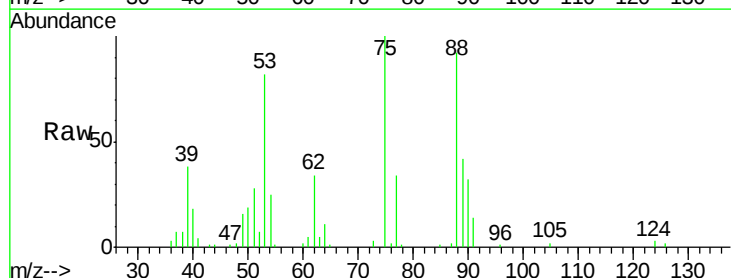
Manual Integrations
 APPROVED

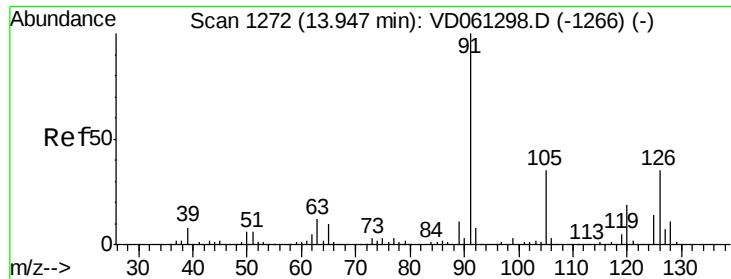
MMDadoda
 3/27/2019 12:02:27 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.837 ug/l
 RT: 13.46 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Tgt Ion: 75 Resp: 70090
 Ion Ratio Lower Upper
 75 100
 53 81.7 65.3 97.9
 89 42.2 33.8 50.6





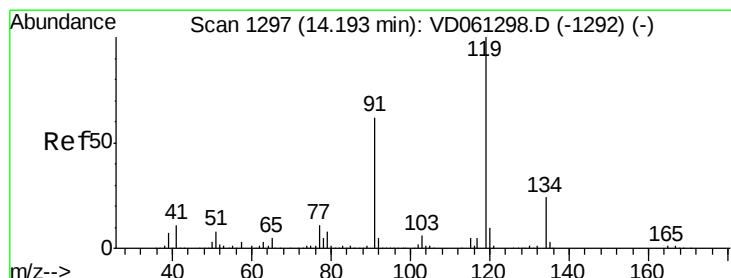
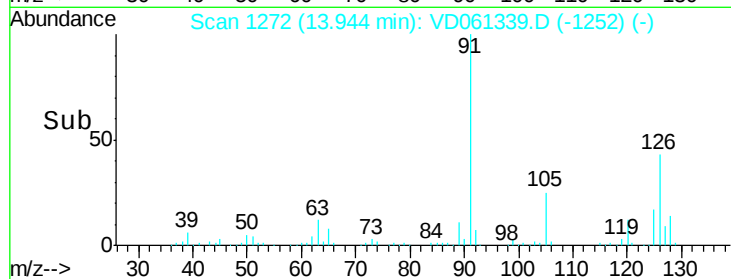
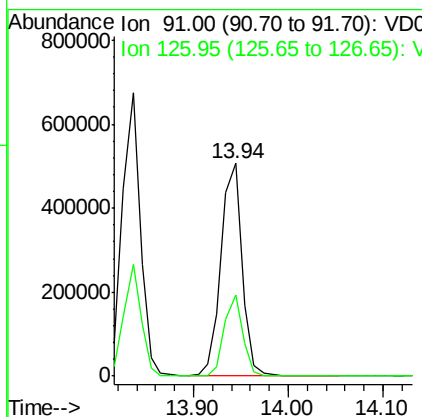
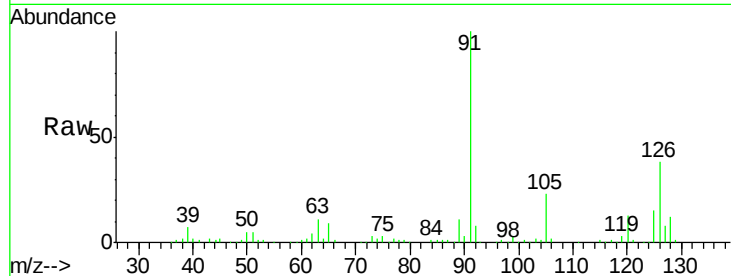
#82
4-Chlorotoluene
Concen: 47.709 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion: 91 Resp: 782823
Ion Ratio Lower Upper
91 100
126 38.3 17.7 53.1

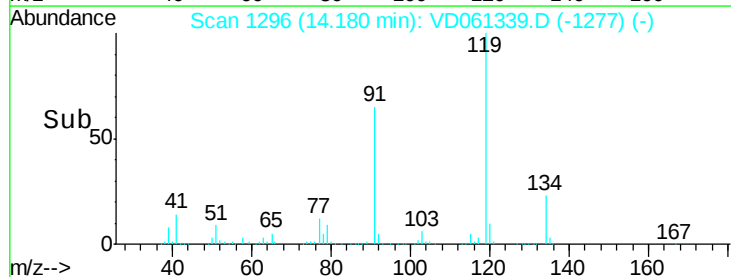
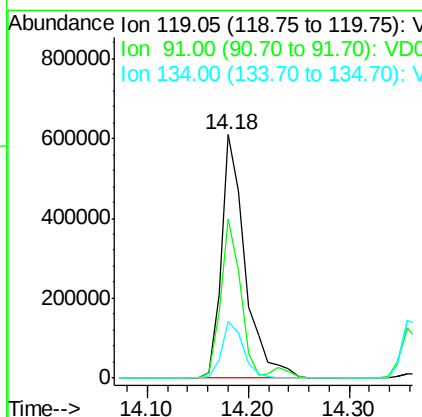
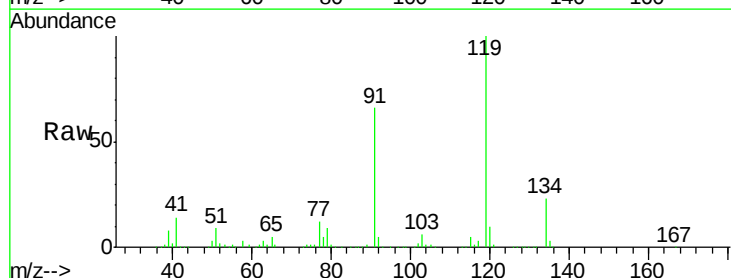
Manual Integrations
APPROVED

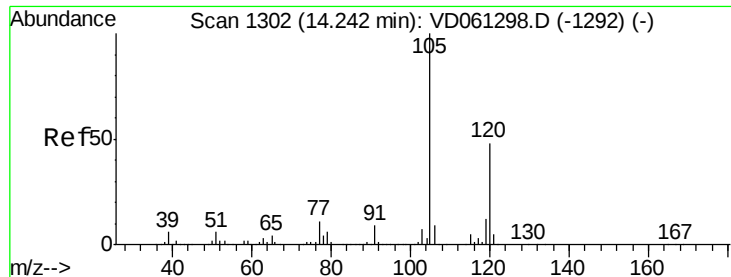
MMDadoda
3/27/2019 12:02:27 PM



#83
tert-Butylbenzene
Concen: 48.490 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion: 119 Resp: 997930
Ion Ratio Lower Upper
119 100
91 65.6 31.1 93.5
134 23.3 11.9 35.7





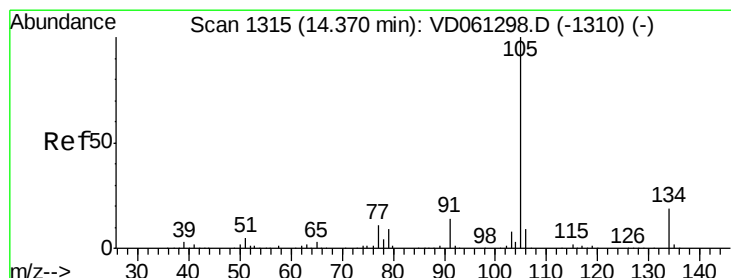
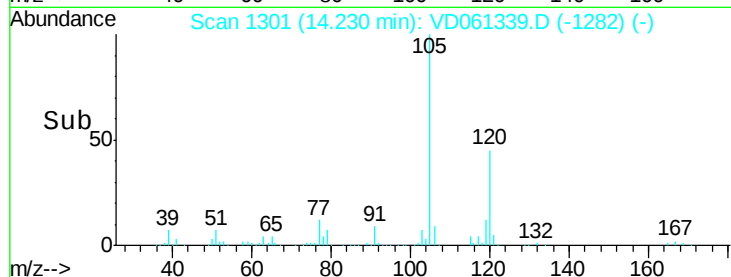
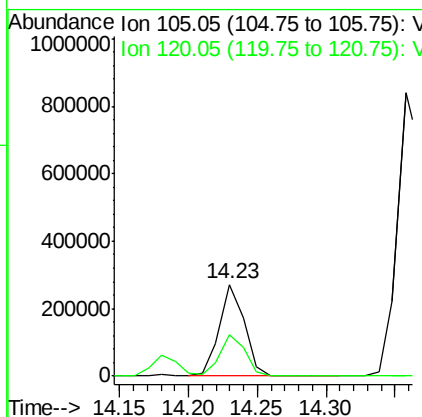
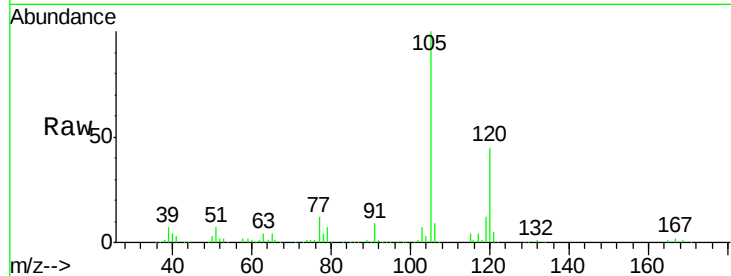
#84
1,2,4-Trimethylbenzene
Concen: 18.995 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

Tot Ion:105 Resp: 342377
Ion Ratio Lower Upper
105 100
120 45.0 23.8 71.4

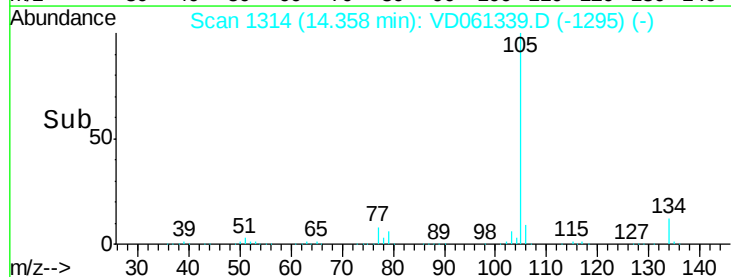
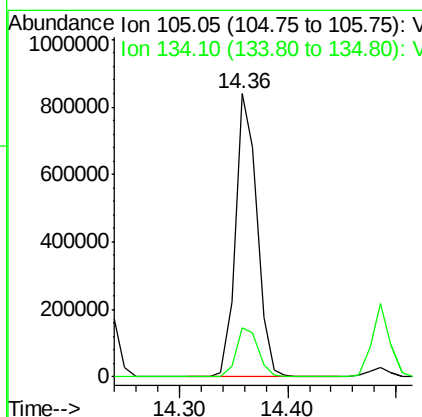
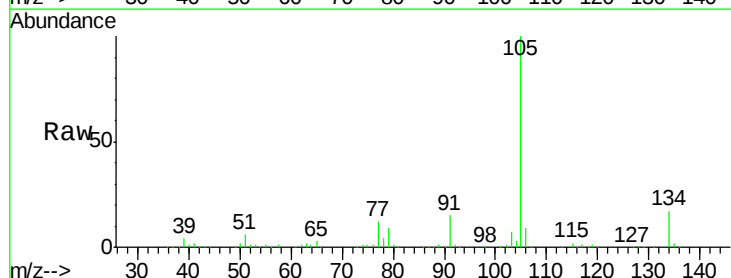
Manual Integrations
APPROVED

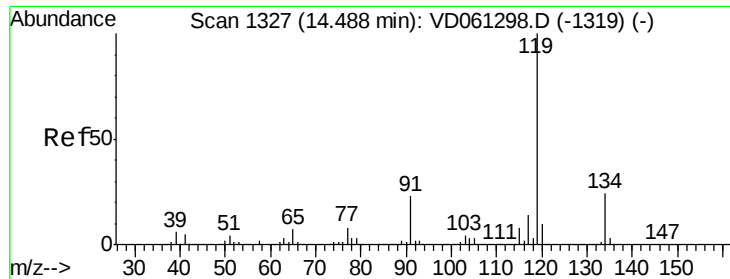
MMDadoda
3/27/2019 12:02:27 PM



#85
sec-Butylbenzene
Concen: 50.737 ug/l
RT: 14.36 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion:105 Resp: 1162871
Ion Ratio Lower Upper
105 100
134 17.2 9.5 28.5





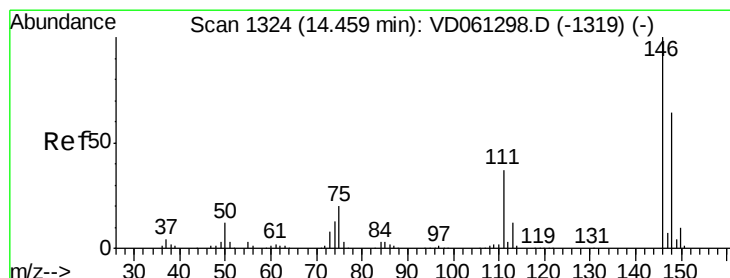
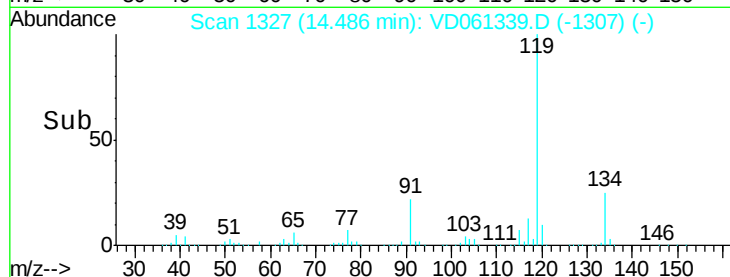
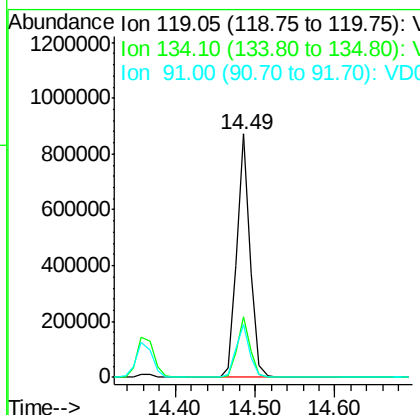
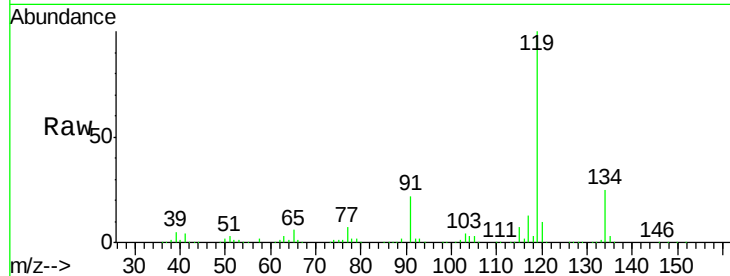
#86
 p-Isopropyltoluene
 Concen: 50.349 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.1	36.3
91	21.7	11.4	34.2

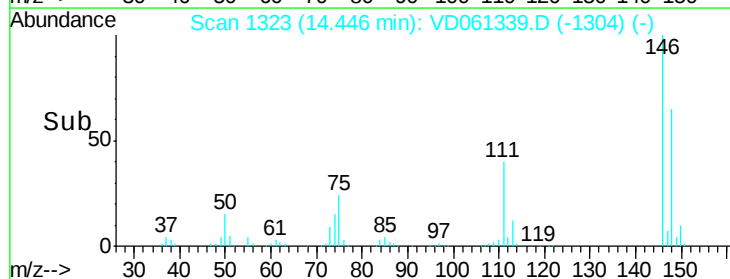
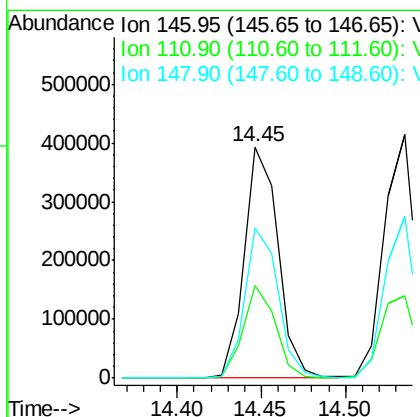
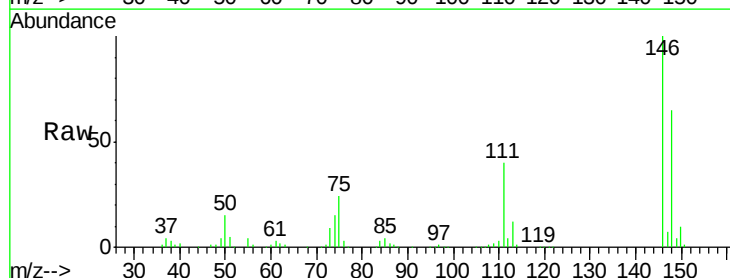
Manual Integrations
 APPROVED

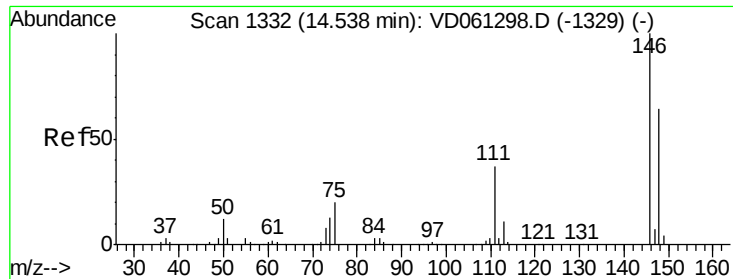
MMDadoda
 3/27/2019 12:02:27 PM



#87
 1,3-Dichlorobenzene
 Concen: 48.561 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.4	55.0
148	64.7	32.0	96.2





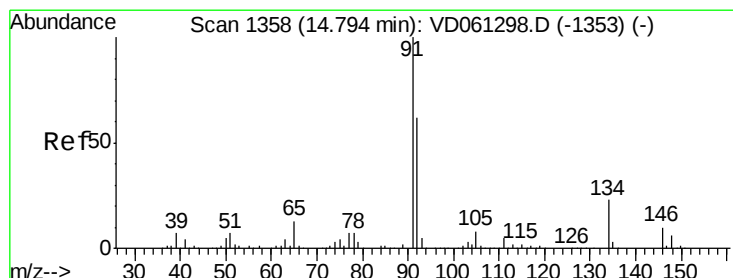
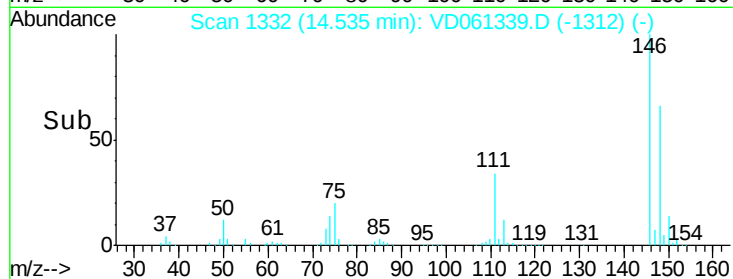
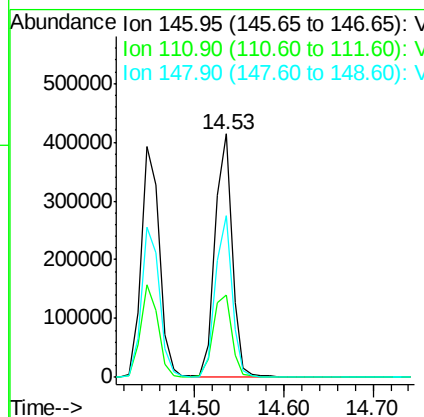
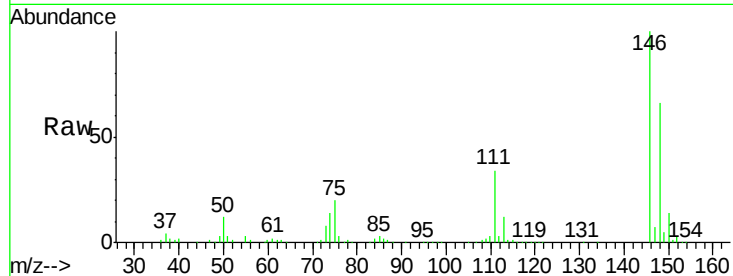
#88
 1,4-Dichlorobenzene
 Concen: 50.435 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.1	18.6	55.6
148	66.2	31.9	95.5

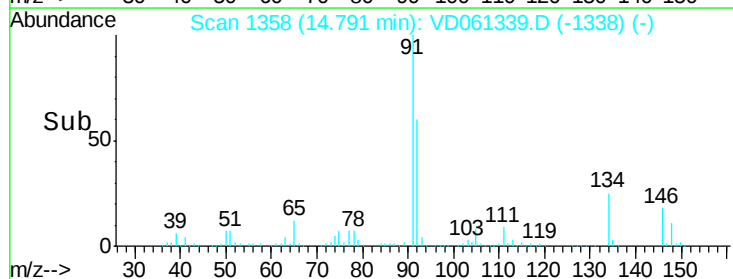
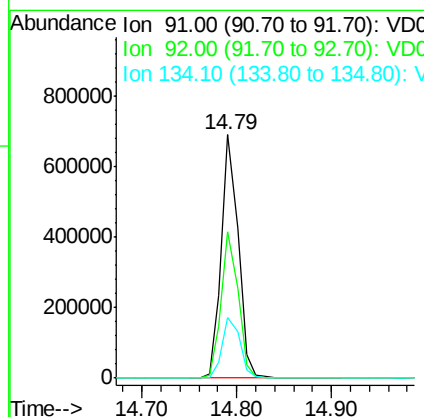
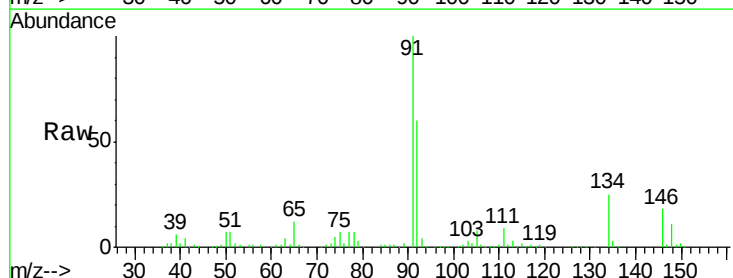
Manual Integrations
 APPROVED

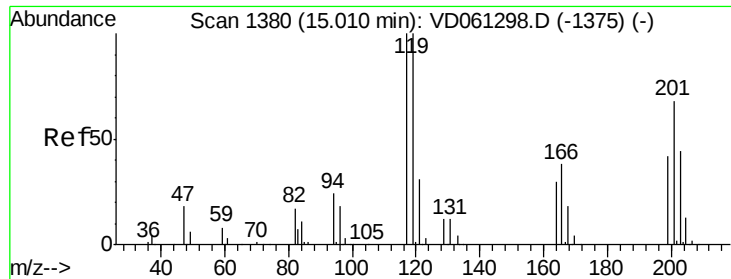
MMDadoda
 3/27/2019 12:02:27 PM



#89
 n-Butylbenzene
 Concen: 47.226 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.0	30.9	92.7
134	24.7	11.7	35.0





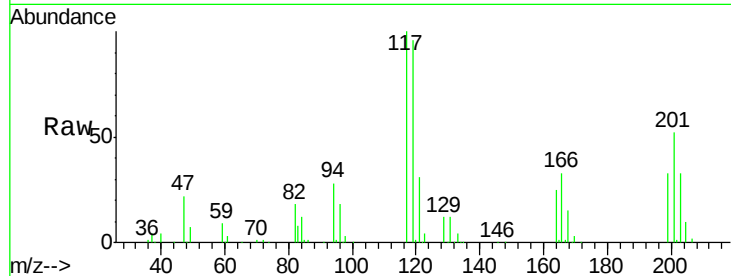
#90
Hexachloroethane
Concen: 56.236 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)MSD

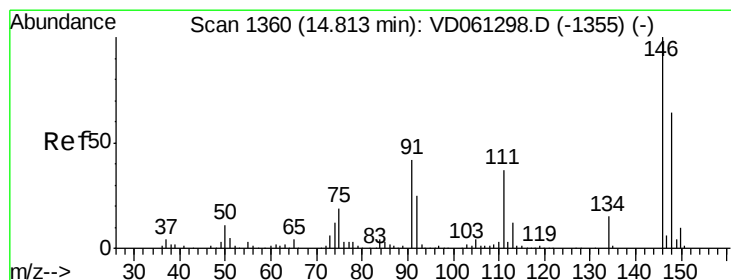
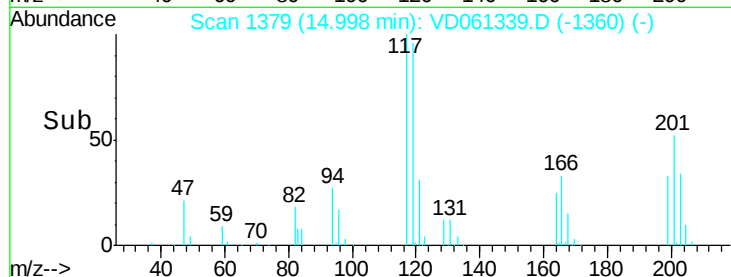
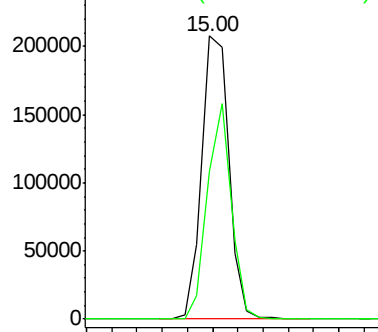
Tot Ion:117 Resp: 308309
Ion Ratio Lower Upper
117 100
201 52.1 34.0 101.8

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM

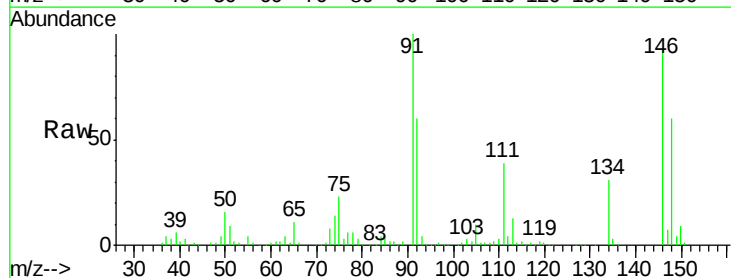


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

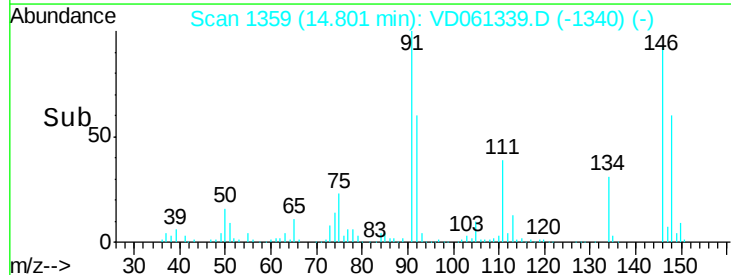
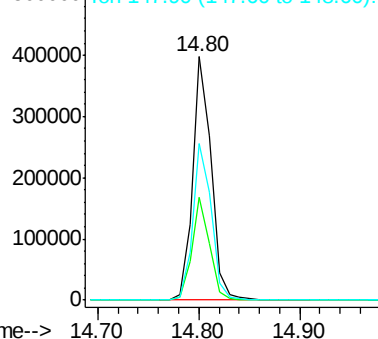


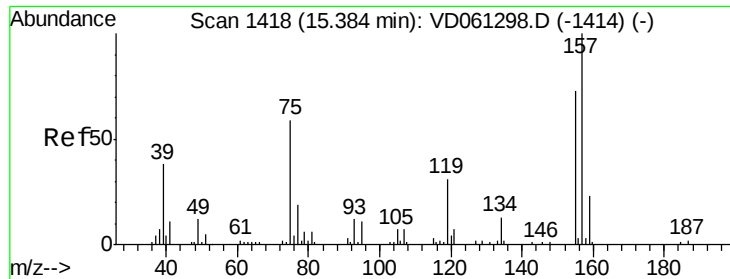
#91
1,2-Dichlorobenzene
Concen: 56.273 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VD061339.D
Acq: 26 Mar 2019 16:40

Tgt Ion:146 Resp: 507963
Ion Ratio Lower Upper
146 100
111 42.0 18.3 54.8
148 64.2 31.9 95.7



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





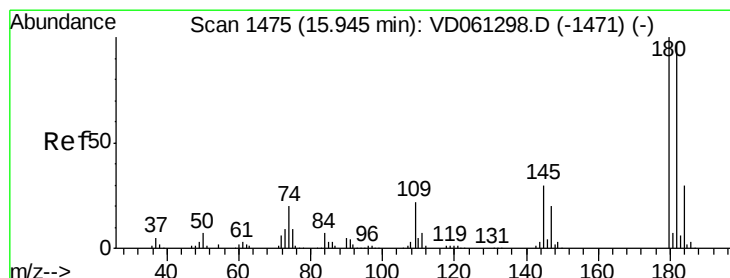
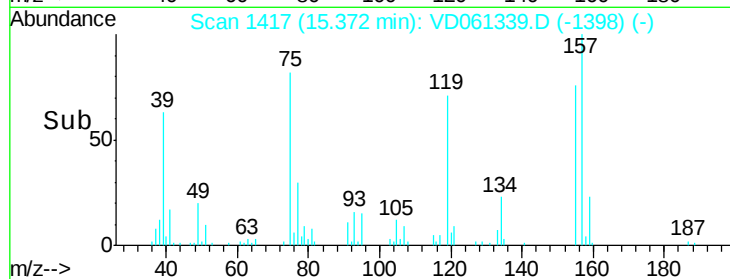
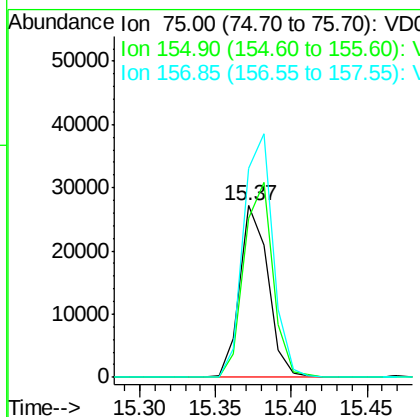
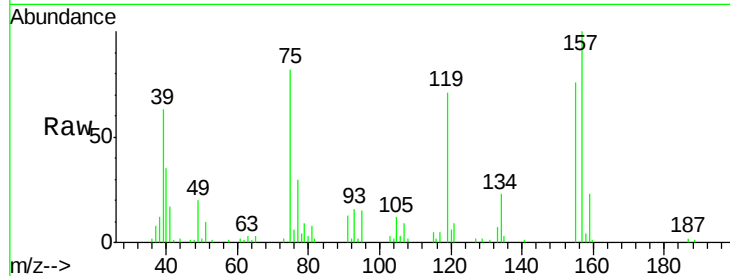
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.764 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Tot Ion: 75 Resp: 35304
 Ion Ratio Lower Upper
 75 100
 155 92.9 61.9 185.7
 157 121.5 84.4 253.2

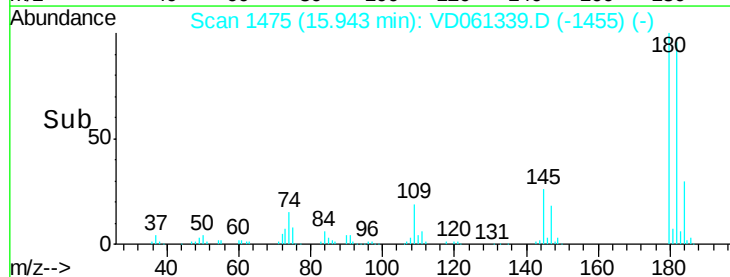
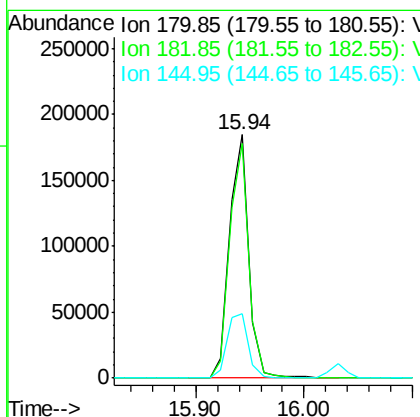
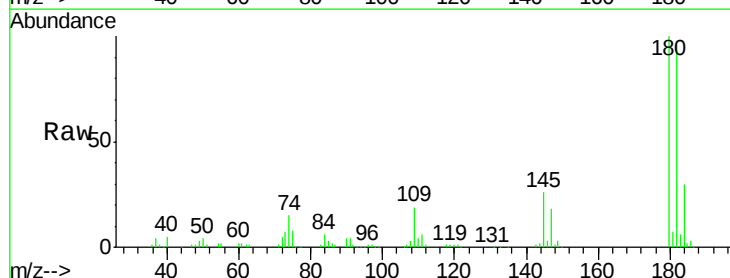
Manual Integrations
 APPROVED

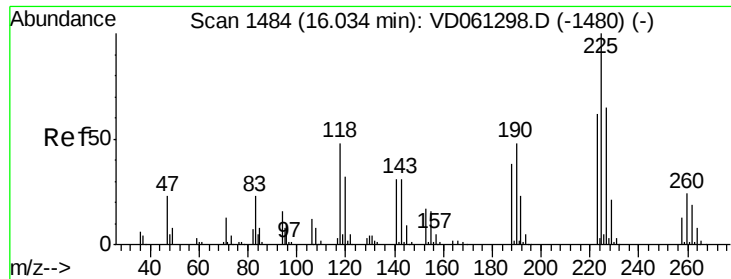
MMDadoda
 3/27/2019 12:02:27 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 55.133 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Tgt Ion:180 Resp: 229847
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.3 144.9
 145 26.2 14.8 44.4





#94

Hexachlorobutadiene

Concen: 45.069 ug/l

RT: 16.03 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Instrument :

MSVOA_D

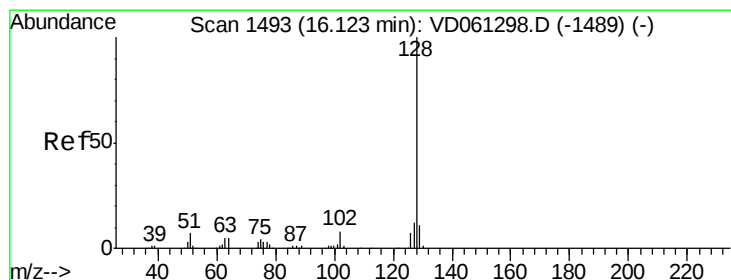
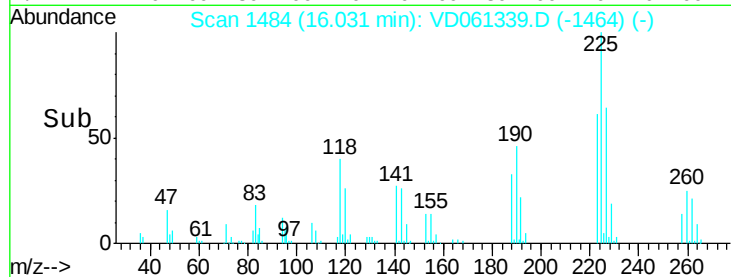
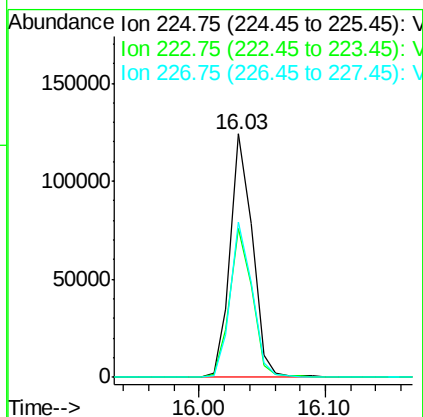
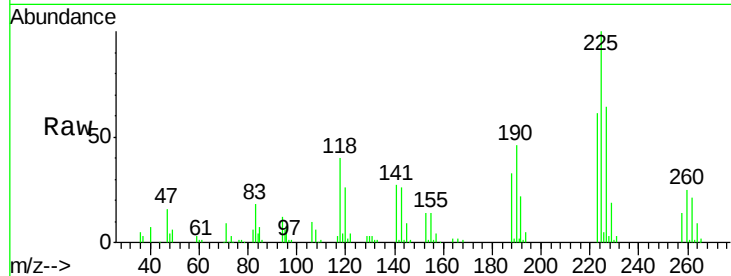
ClientSampleId :

WP022SB431-190320-(21-23)MSD

Tot Ion:	225	Resp:	151394
Ion Ratio		Lower	Upper
225	100		
223	61.3	30.9	92.8
227	64.0	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:27 PM



#95

Naphthalene

Concen: 62.668 ug/l

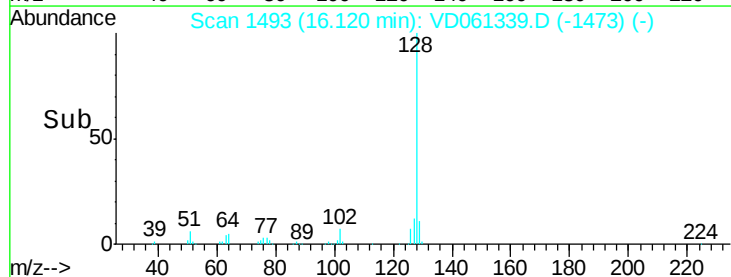
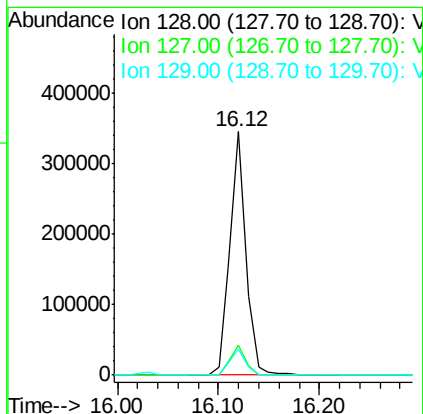
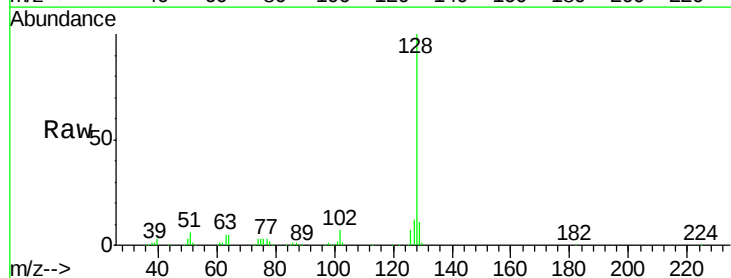
RT: 16.12 min Scan# 1493

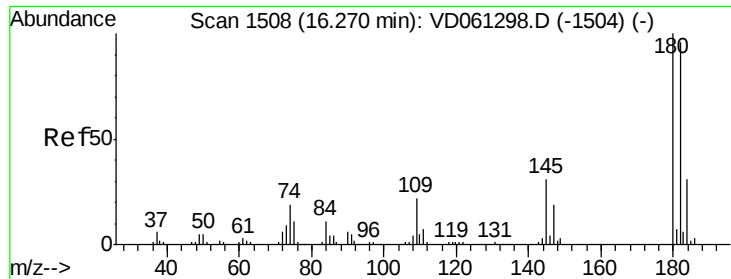
Delta R.T. -0.00 min

Lab File: VD061339.D

Acq: 26 Mar 2019 16:40

Tgt Ion:	128	Resp:	381205
Ion Ratio		Lower	Upper
128	100		
127	12.1	9.8	14.6
129	10.7	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 54.580 ug/l
 RT: 16.27 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VD061339.D
 Acq: 26 Mar 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106274		
182	97.4		48.0	144.2
145	30.6		15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:27 PM

