

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061422.D
 Acq On : 29 Mar 2019 11:18
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:05:14 AM

Quant Time: Mar 29 22:42:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	737045	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1189249	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	979655	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	447722	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	320232	50.86	ug/l	0.03
Spiked Amount 50.000			Recovery =	101.72%		
35) Dibromofluoromethane	6.93	113	478236	52.62	ug/l	0.03
Spiked Amount 50.000			Recovery =	105.24%		
50) Toluene-d8	10.42	98	1168512	53.61	ug/l	0.03
Spiked Amount 50.000			Recovery =	107.22%		
62) 4-Bromofluorobenzene	13.56	95	427760	51.18	ug/l	0.01
Spiked Amount 50.000			Recovery =	102.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	400302	50.856	ug/l	99
3) Chloromethane	1.77	50	302350	47.099	ug/l	98
4) Vinyl Chloride	1.86	62	283905	48.167	ug/l	99
5) Bromomethane	2.17	94	71562	61.226	ug/l	96
6) Chloroethane	2.29	64	102644	59.383	ug/l	99
7) Trichlorofluoromethane	2.54	101	447822	52.248	ug/l	100
8) Diethyl Ether	2.89	74	129899	47.072	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	456193	49.508	ug/l	96
10) Methyl Iodide	3.32	142	662493	47.480	ug/l	98
11) Tert butyl alcohol	4.07	59	91854	234.260	ug/l	96
12) 1,1-Dichloroethene	3.14	96	393579	49.750	ug/l	97
13) Acrolein	3.05	56	77516	260.424	ug/l	95
14) Allyl chloride	3.64	41	566654	51.354	ug/l	98
15) Acrylonitrile	4.21	53	338497	248.728	ug/l	95
16) Acetone	3.23	43	455103	281.184	ug/l	97
17) Carbon Disulfide	3.39	76	1183683	46.051	ug/l	99
18) Methyl Acetate	3.66	43	161066	47.330	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	663172	48.427	ug/l	99
20) Methylene Chloride	3.83	84	423214	46.544	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	426505	49.935	ug/l	98
22) Diisopropyl ether	5.13	45	1128413	48.326	ug/l	99
23) Vinyl Acetate	5.07	43	3016948	237.860	ug/l	99
24) 1,1-Dichloroethane	4.99	63	677547	49.374	ug/l	99
25) 2-Butanone	6.08	43	489219	240.289	ug/l	98
26) 2,2-Dichloropropane	6.04	77	542781	49.757	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	439600	46.976	ug/l	98
28) Bromochloromethane	6.45	49	277284	50.057	ug/l #	97
29) Tetrahydrofuran	6.46	42	233873	236.997	ug/l	99
30) Chloroform	6.68	83	739238	52.135	ug/l	99
31) Cyclohexane	6.97	56	520424	47.991	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	626771	50.105	ug/l	94
36) 1,1-Dichloropropene	7.16	75	524569	50.539	ug/l	98
37) Ethyl Acetate	6.20	43	237315	53.461	ug/l	98
38) Carbon Tetrachloride	7.12	117	620544m	52.028	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061422.D
 Acq On : 29 Mar 2019 11:18
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:05:14 AM

Quant Time: Mar 29 22:42:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	561920	51.981	ug/l	97
40) Benzene	7.47	78	1341146	51.484	ug/l	96
41) Methacrylonitrile	6.46	41	269055	51.838	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	400104	51.347	ug/l	100
43) Isopropyl Acetate	9.25	43	324576	50.254	ug/l #	99
44) Trichloroethene	8.55	130	503829	51.972	ug/l	99
45) 1,2-Dichloropropane	8.94	63	305858	46.304	ug/l	96
46) Dibromomethane	9.07	93	230926	51.941	ug/l	94
47) Bromodichloromethane	9.39	83	544910	54.607	ug/l	95
48) Methyl methacrylate	9.13	41	171788	48.194	ug/l	99
49) 1,4-Dioxane	9.08	88	38942	990.485	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1003649	255.418	ug/l	98
52) Toluene	10.52	92	739278	46.518	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	440650	48.604	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	580096	52.547	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	279073	50.212	ug/l	99
56) Ethyl methacrylate	11.05	69	295943	49.566	ug/l	100
57) 1,3-Dichloropropane	11.41	76	391589	47.936	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	703466	241.935	ug/l	97
59) 2-Hexanone	11.53	43	721992	253.598	ug/l	100
60) Dibromochloromethane	11.69	129	420693	49.100	ug/l	98
61) 1,2-Dibromoethane	11.81	107	313091	48.649	ug/l	99
64) Tetrachloroethene	11.27	164	387548	50.406	ug/l	98
65) Chlorobenzene	12.41	112	1012745	50.584	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	384438	49.593	ug/l	97
67) Ethyl Benzene	12.53	91	1519383	49.719	ug/l	98
68) m/p-Xylenes	12.67	106	1109623	95.856	ug/l	95
69) o-Xylene	13.05	106	541599	48.213	ug/l	98
70) Styrene	13.08	104	914100	46.680	ug/l	98
71) Bromoform	13.23	173	229858	46.776	ug/l	99
73) Isopropylbenzene	13.40	105	1470338	47.185	ug/l	97
74) N-amyl acetate	13.26	43	337744	38.908	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	290990	44.268	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	279484	43.214	ug/l	98
77) Bromobenzene	13.68	156	409635	44.343	ug/l	81
78) n-propylbenzene	13.78	91	1796480	47.110	ug/l	97
79) 2-Chlorotoluene	13.85	91	965005	46.606	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1273248	52.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	94516	47.931	ug/l	96
82) 4-Chlorotoluene	13.95	91	1178704	52.354	ug/l	98
83) tert-Butylbenzene	14.19	119	1438126	47.596	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1158461	44.258	ug/l	99
85) sec-Butylbenzene	14.37	105	1517988	47.291	ug/l	100
86) p-Isopropyltoluene	14.49	119	1436535	52.925	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	701099	44.817	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	743313	48.724	ug/l	99
89) n-Butylbenzene	14.80	91	1197946	48.086	ug/l	99
90) Hexachloroethane	15.01	117	396078	51.653	ug/l	72
91) 1,2-Dichlorobenzene	14.81	146	584998	45.591	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	38380	49.782	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
Data File : VD061422.D
Acq On : 29 Mar 2019 11:18
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM

Quant Time: Mar 29 22:42:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	272369	46.597	ug/l	97
94) Hexachlorobutadiene	16.04	225	226396	49.566	ug/l	98
95) Naphthalene	16.13	128	377609	42.382	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	118542	46.087	ug/l	95

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

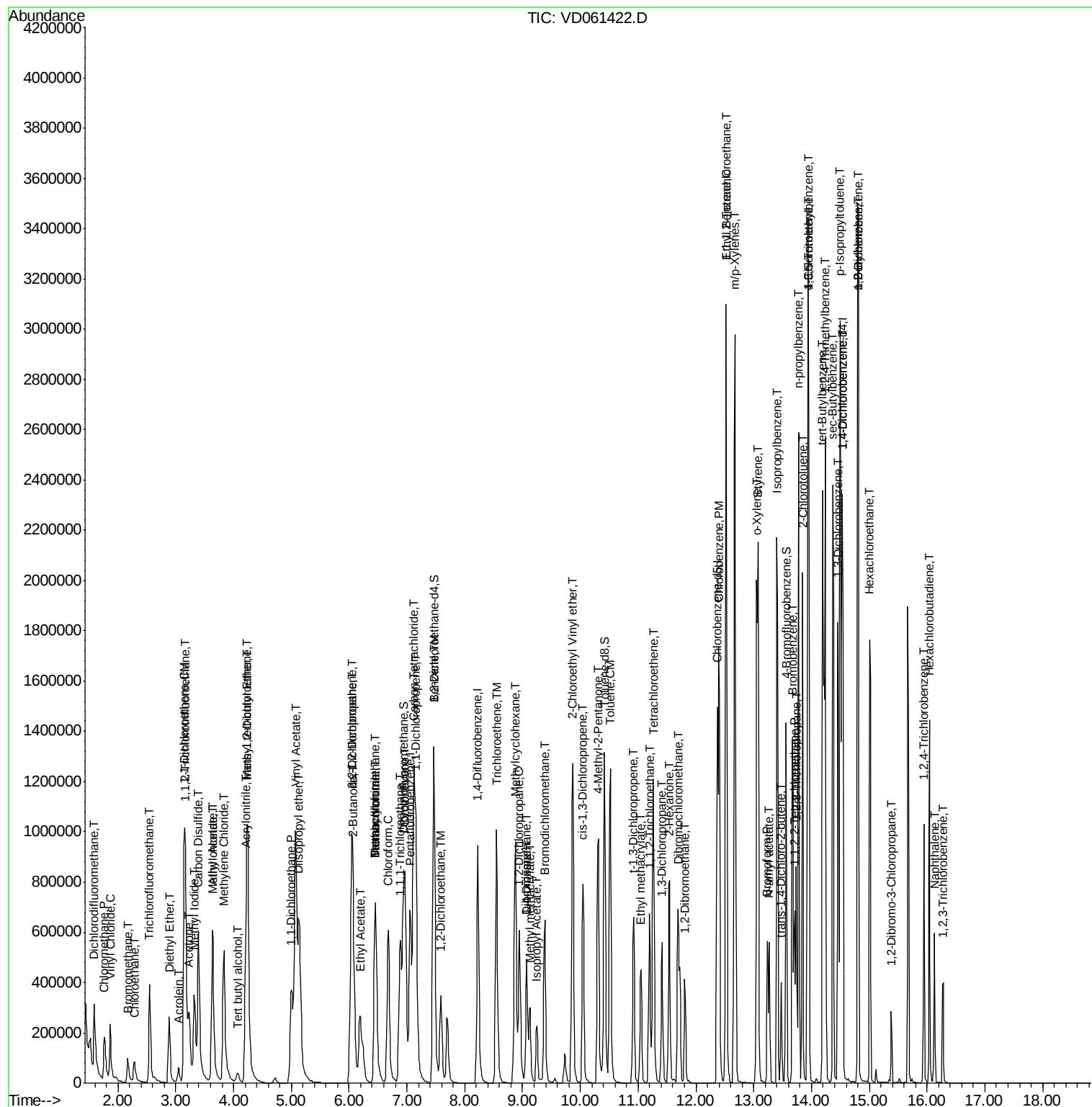
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061422.D
 Acq On : 29 Mar 2019 11:18
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

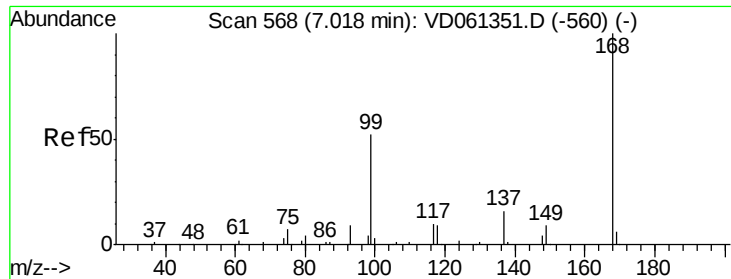
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:05:14 AM

Quant Time: Mar 29 22:42:29 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration





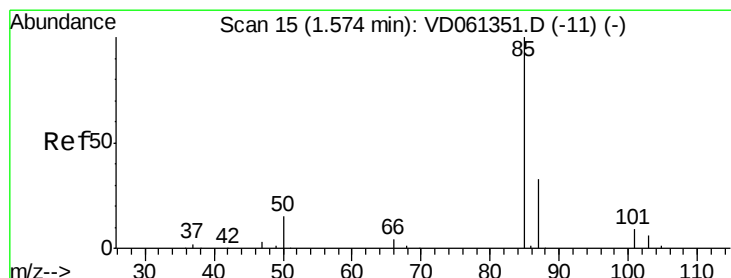
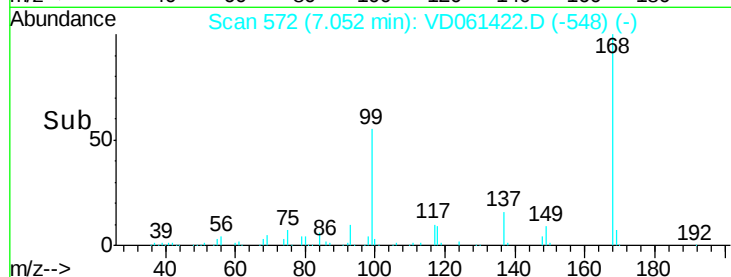
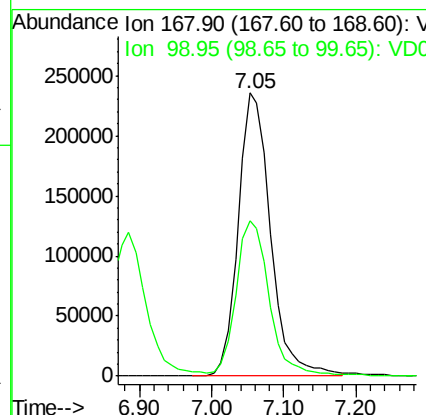
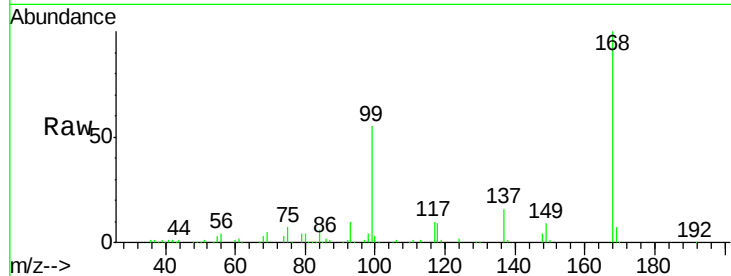
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.9	43.1	64.7

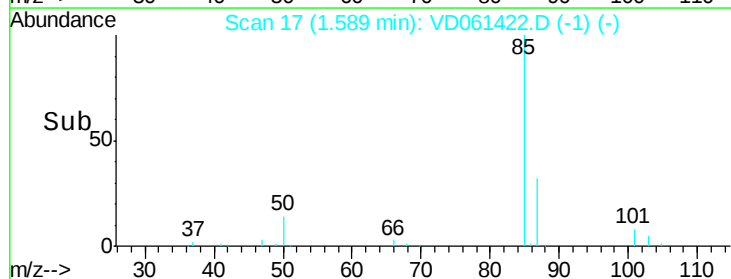
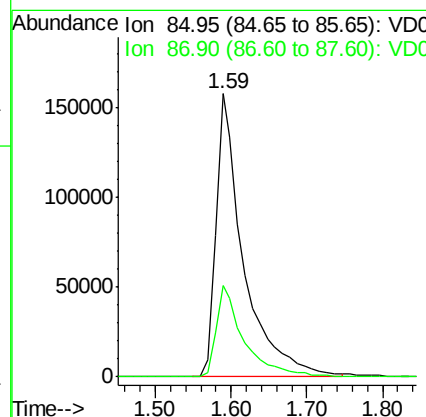
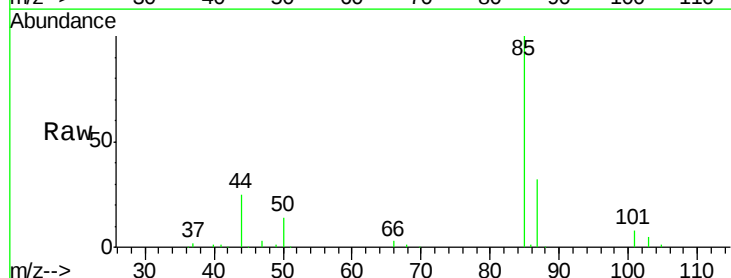
Manual Integrations
APPROVED

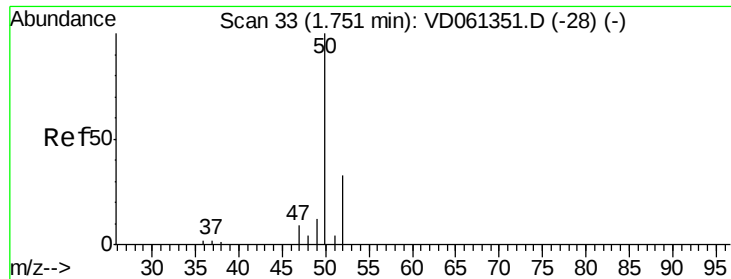
MMDadoda
4/1/2019 4:05:14 AM



#2
Dichlorodifluoromethane
Concen: 50.856 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.7





#3

Chloromethane

Concen: 47.099 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 302350

Ion Ratio Lower Upper

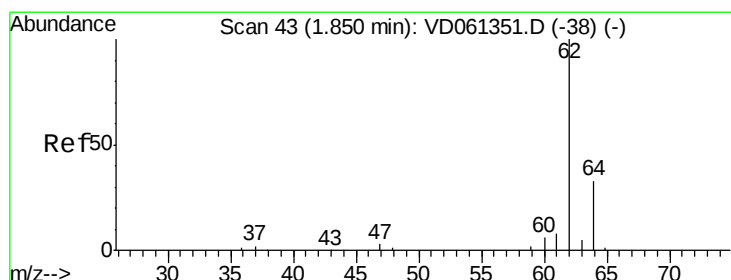
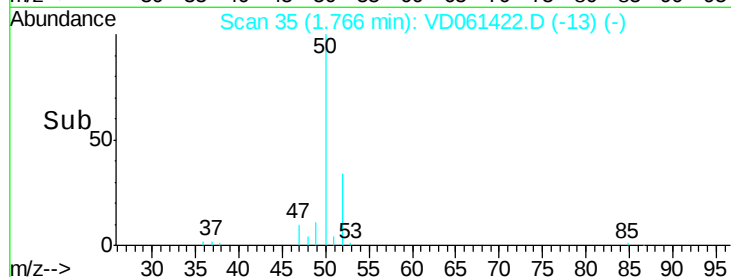
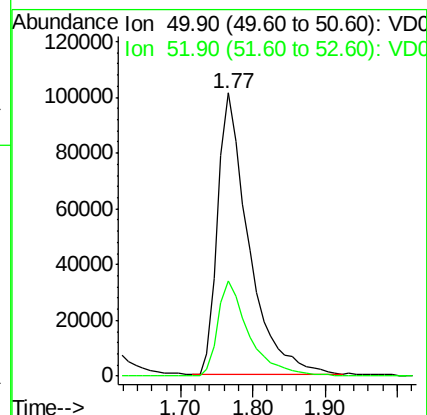
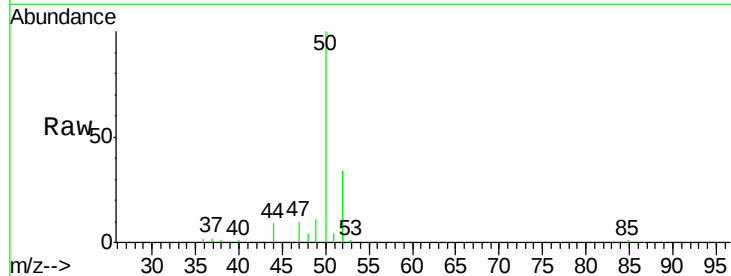
50 100

52 33.8 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

4/1/2019 4:05:14 AM



#4

Vinyl Chloride

Concen: 48.167 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061422.D

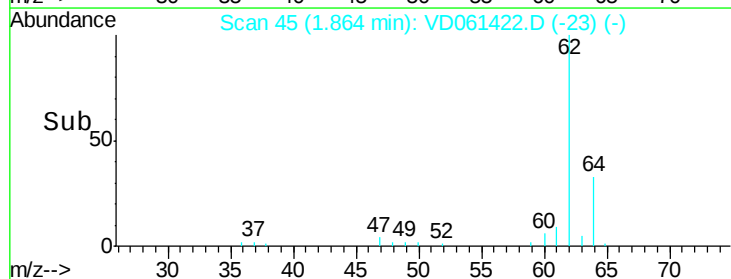
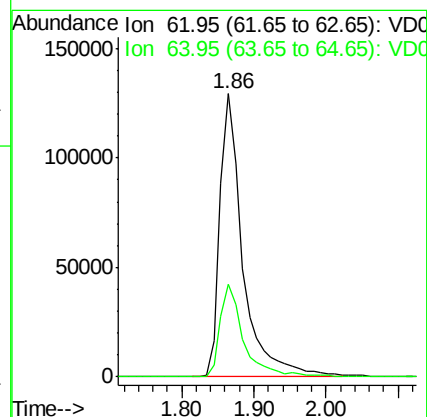
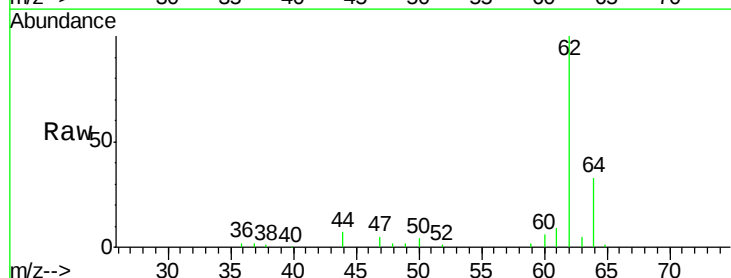
Acq: 29 Mar 2019 11:18

Tgt Ion: 62 Resp: 283905

Ion Ratio Lower Upper

62 100

64 32.8 26.6 39.8





#5

Bromomethane

Concen: 61.226 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

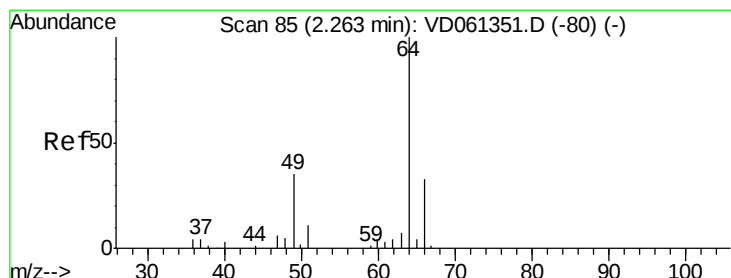
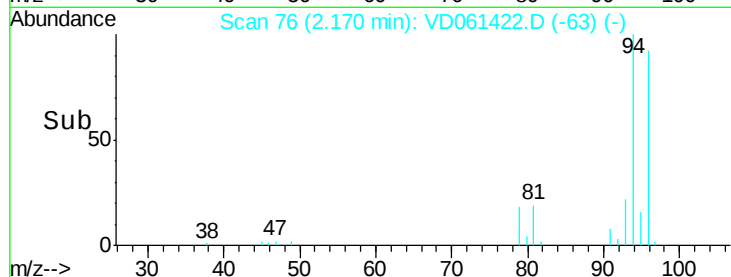
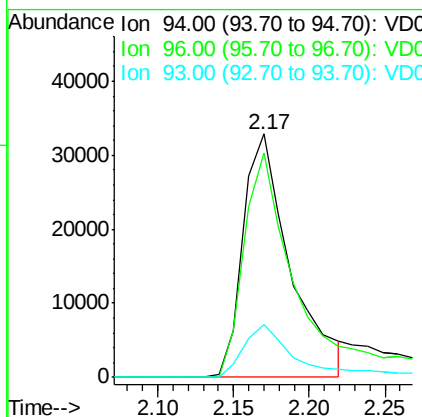
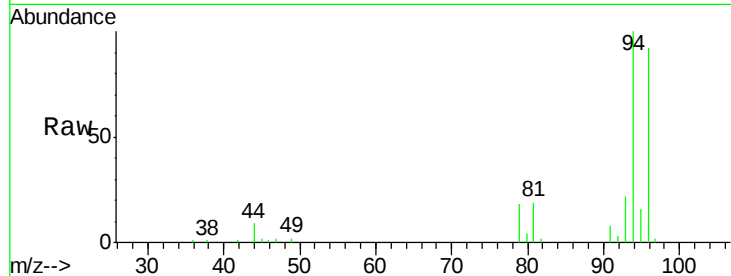
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	71562
Ion	Ratio	Lower	Upper
94	100		
96	93.9	78.3	117.5
93	21.9	15.6	23.4

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#6

Chloroethane

Concen: 59.383 ug/l

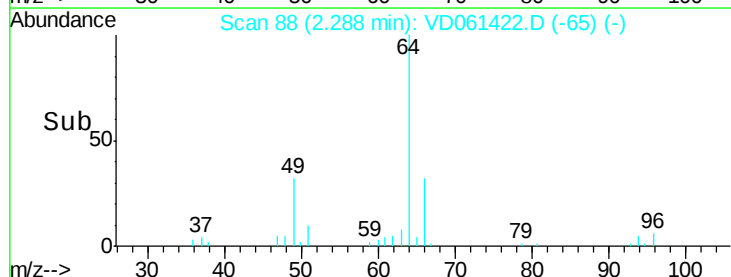
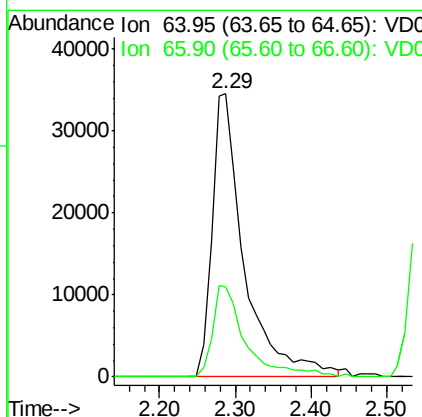
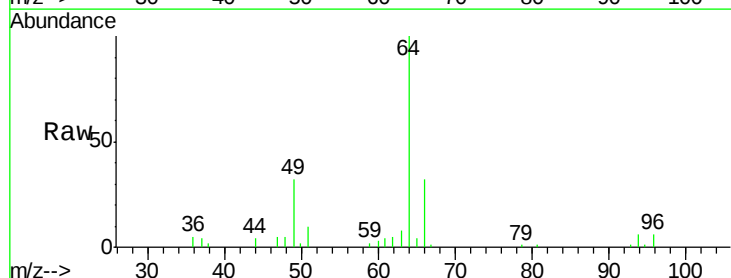
RT: 2.29 min Scan# 88

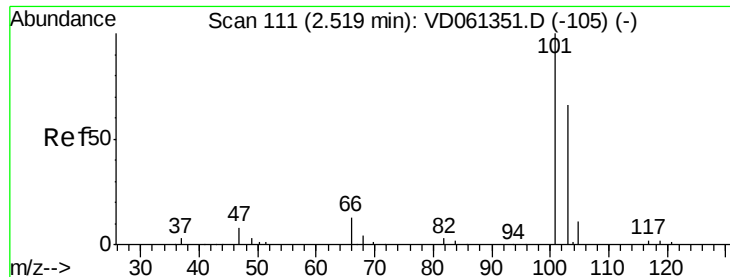
Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion:	64	Resp:	102644
Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.2	39.2





#7

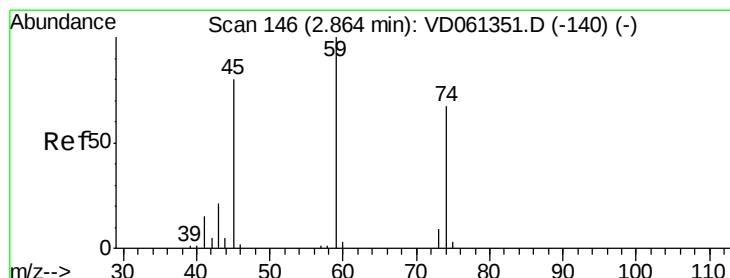
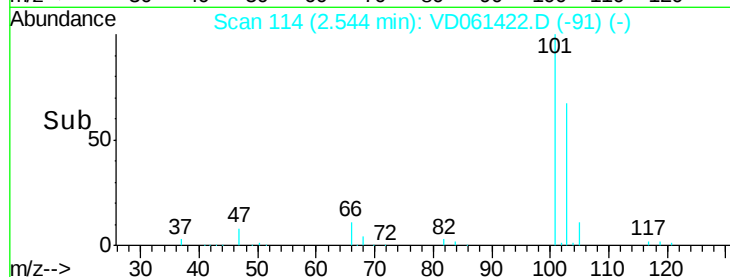
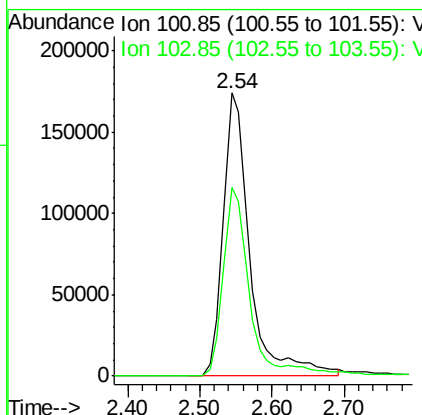
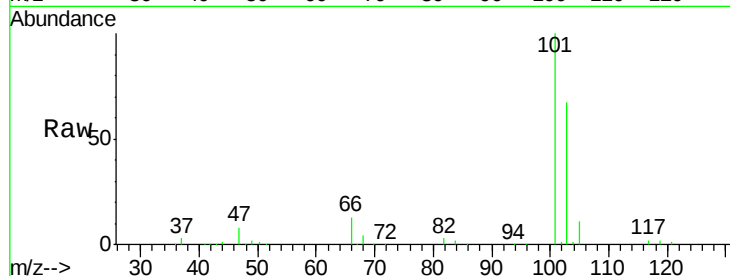
Trichlorofluoromethane
Concen: 52.248 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	53.1	79.7

Manual Integrations
APPROVED

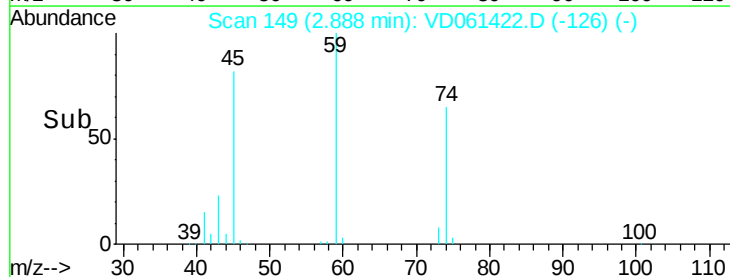
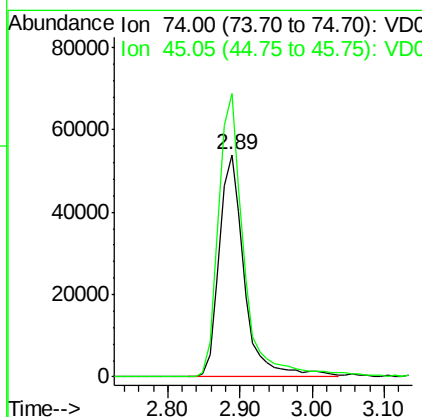
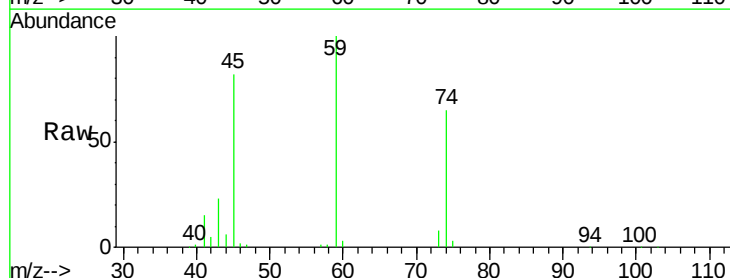
MMDadoda
4/1/2019 4:05:14 AM

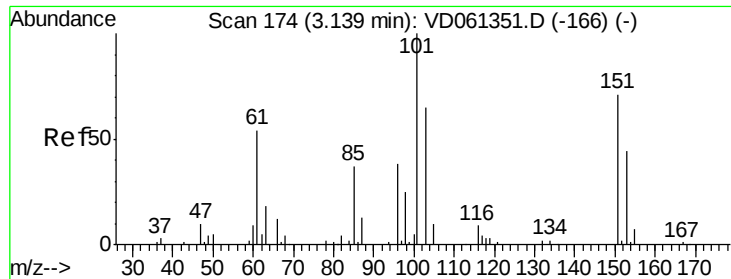


#8

Diethyl Ether
Concen: 47.072 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	127.4	59.7	179.1





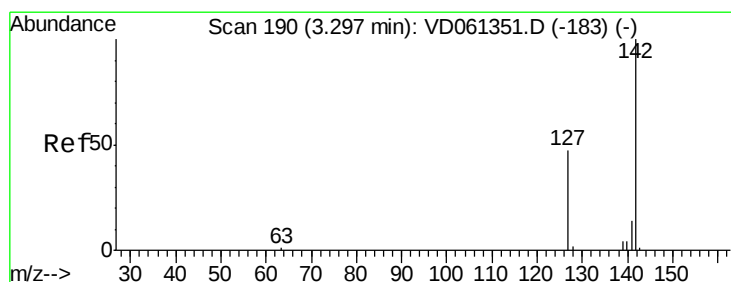
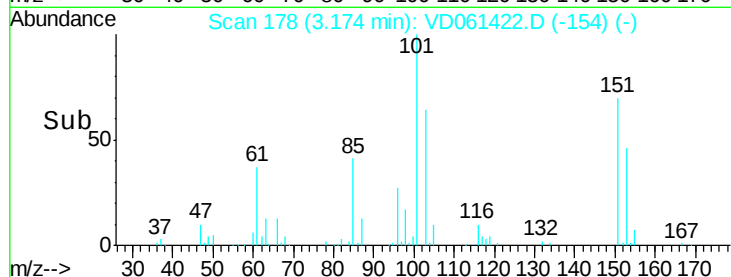
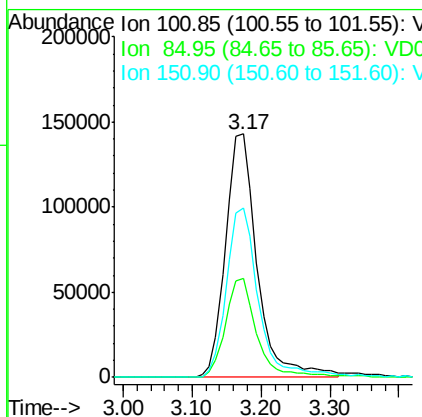
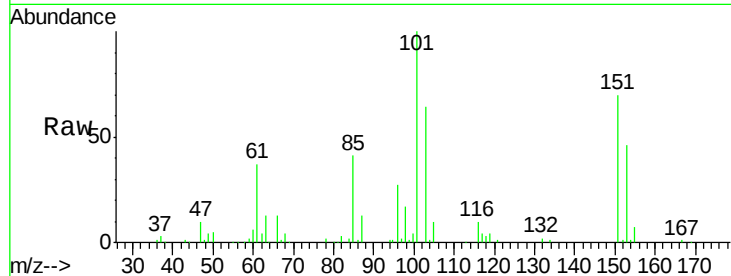
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.508 ug/l
RT: 3.17 min Scan# 178
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	40.9	29.4	44.0
151	69.6	57.0	85.4

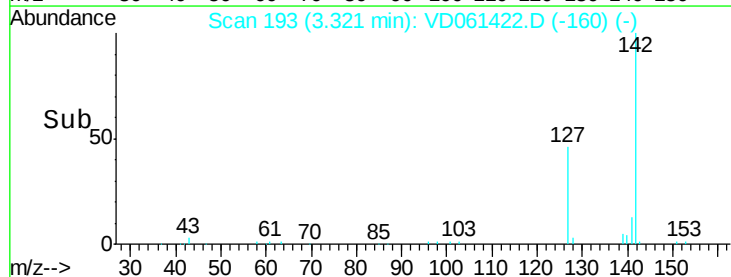
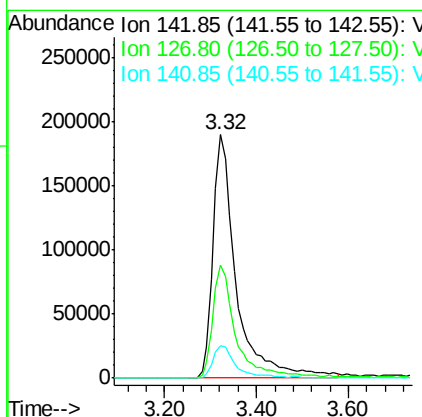
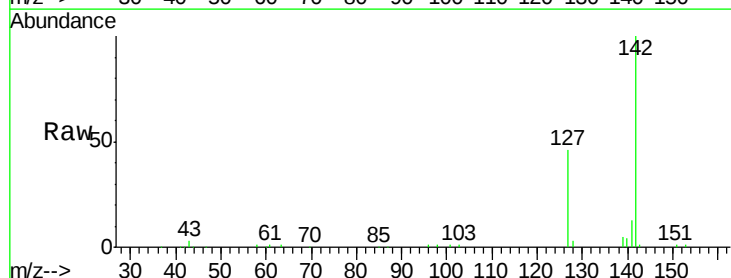
Manual Integrations
APPROVED

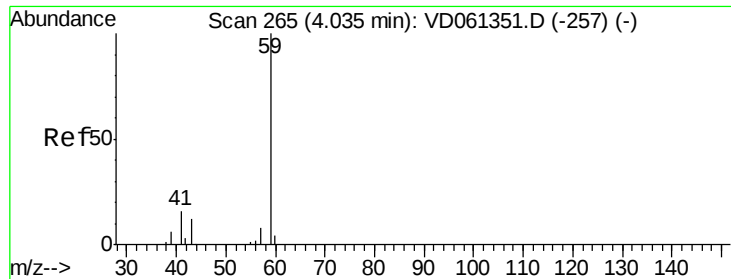
MMDadoda
4/1/2019 4:05:14 AM



#10
Methyl Iodide
Concen: 47.480 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
127	46.2	37.7	56.5
141	13.2	11.5	17.3





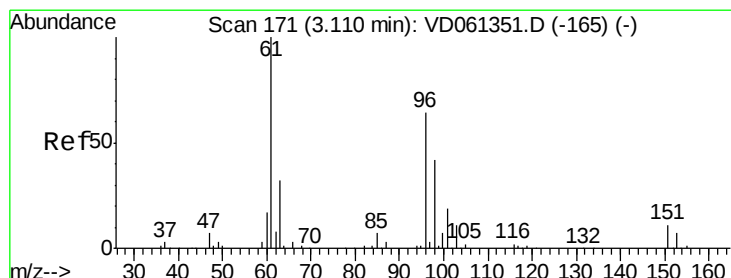
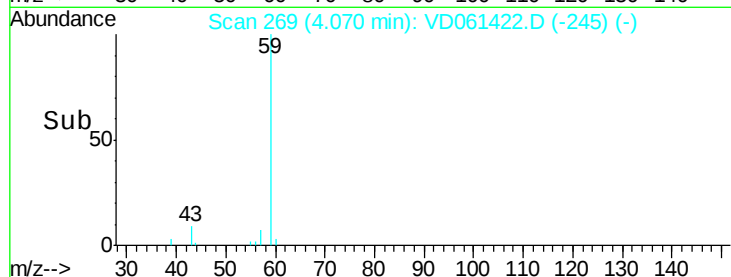
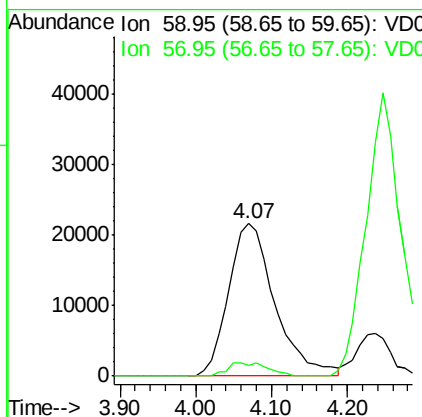
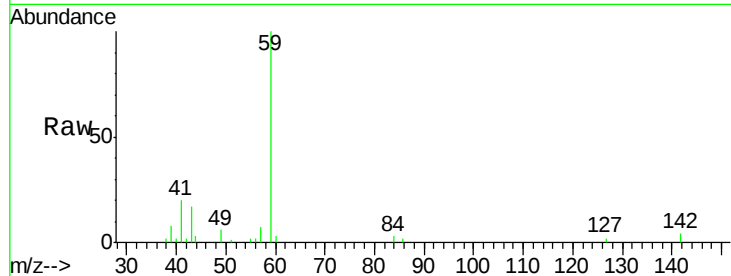
#11
Tert butyl alcohol
Concen: 234.260 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 91854
Ion Ratio Lower Upper
59 100
57 7.1 6.7 10.1

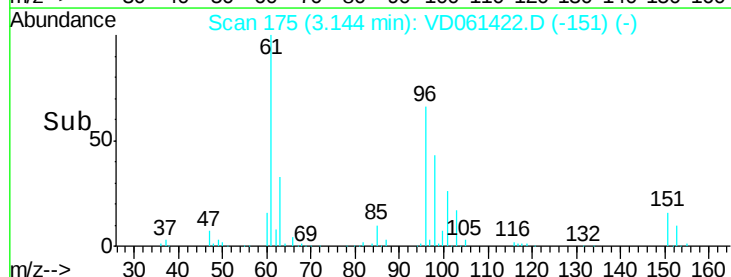
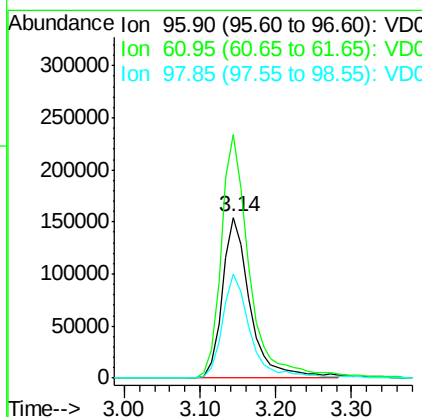
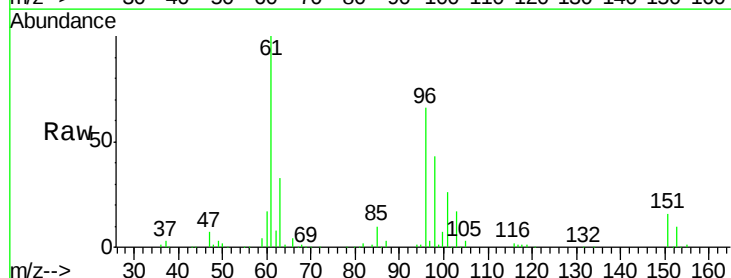
Manual Integrations
APPROVED

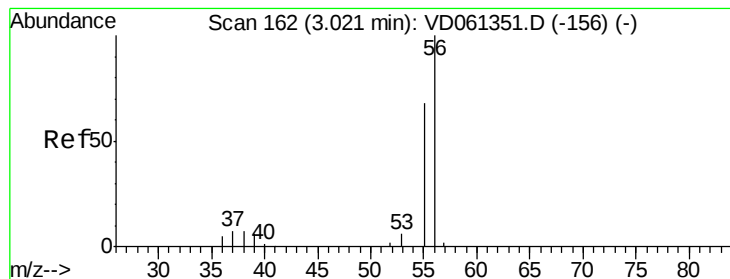
MMDadoda
4/1/2019 4:05:14 AM



#12
1,1-Dichloroethene
Concen: 49.750 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 96 Resp: 393579
Ion Ratio Lower Upper
96 100
61 151.4 124.9 187.3
98 64.4 52.5 78.7





#13

Acrolein

Concen: 260.424 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77516

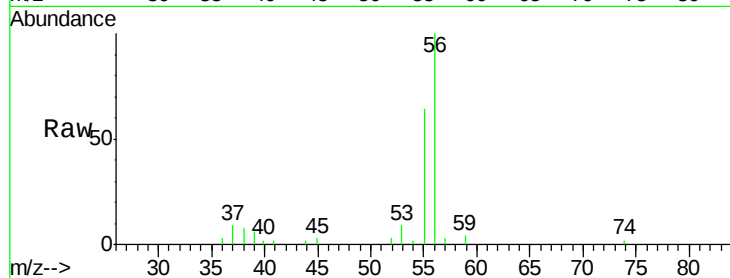
Ion Ratio Lower Upper

56 100

55 63.9 54.6 82.0

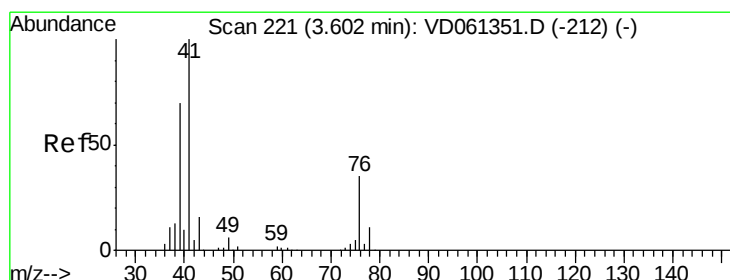
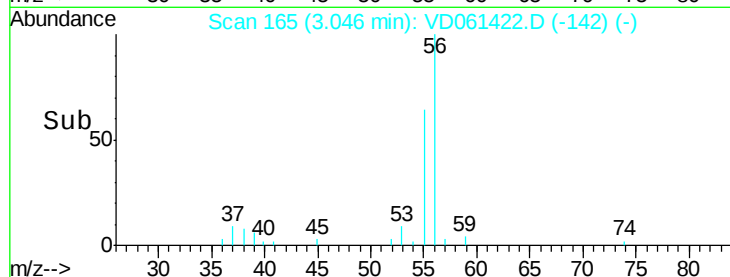
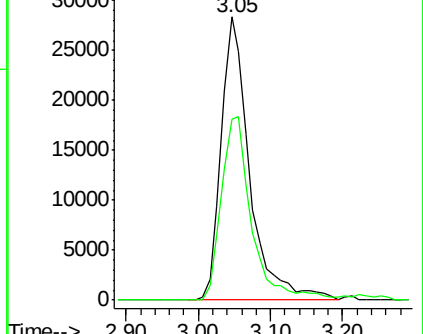
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.354 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

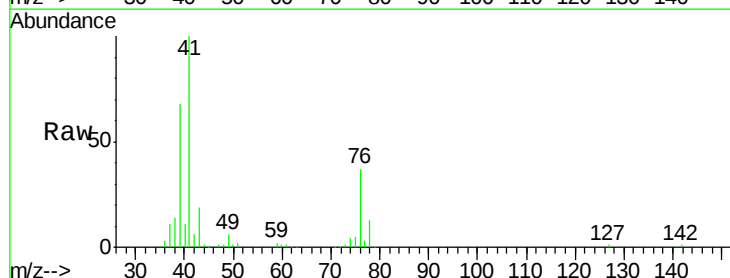
Tgt Ion: 41 Resp: 566654

Ion Ratio Lower Upper

41 100

39 68.4 55.6 83.4

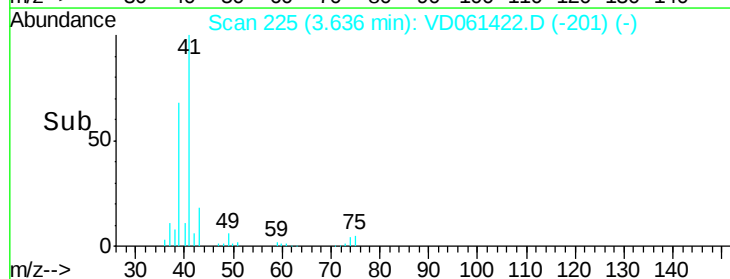
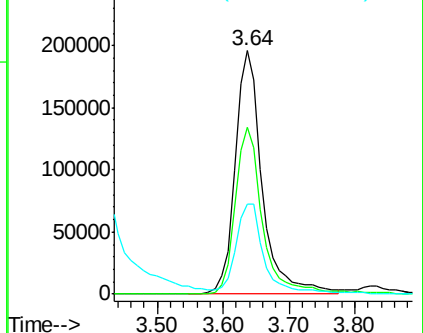
76 36.9 31.0 46.6

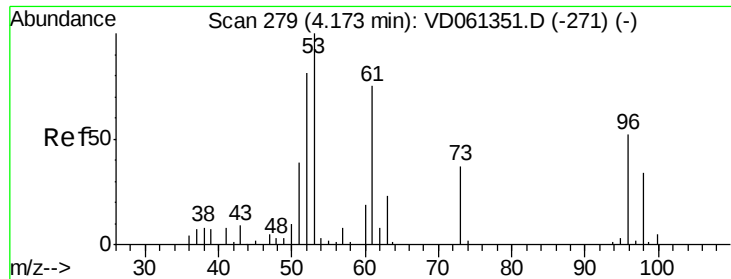


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 248.728 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

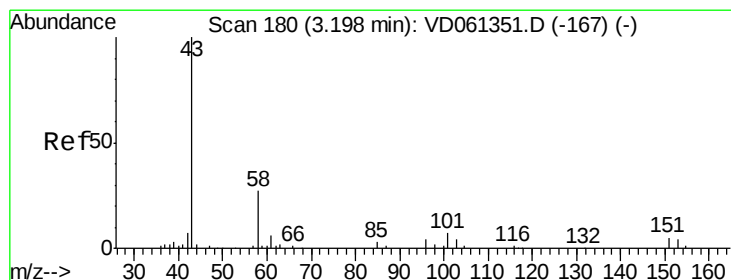
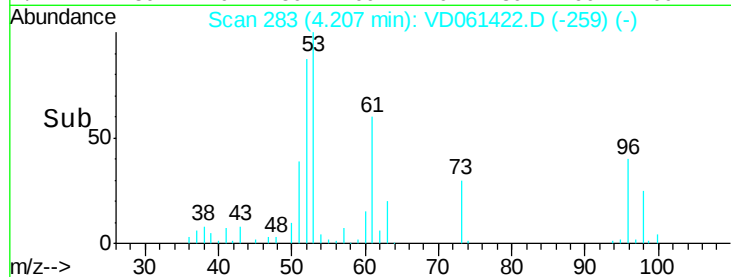
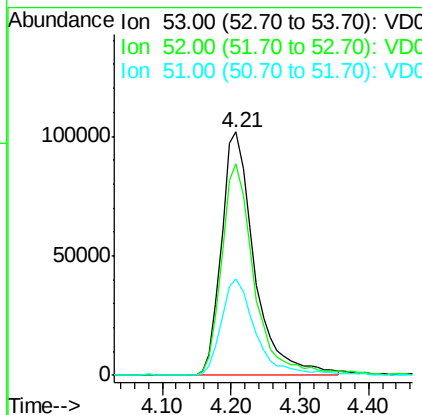
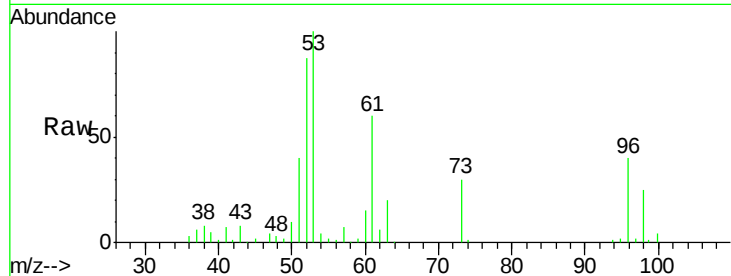
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	338497
Ion Ratio	Lower	Upper	
53	100		
52	86.9	64.8	97.2
51	39.6	31.4	47.2

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#16

Acetone

Concen: 281.184 ug/l

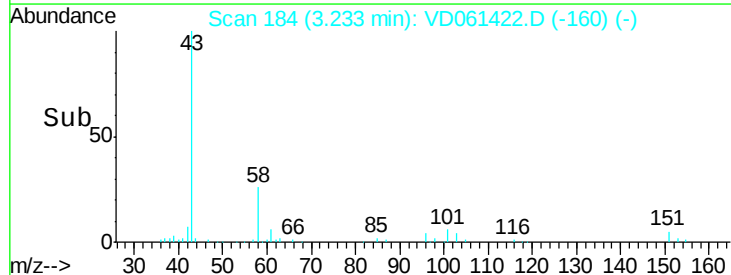
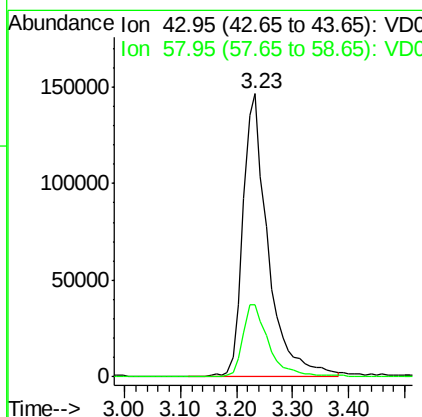
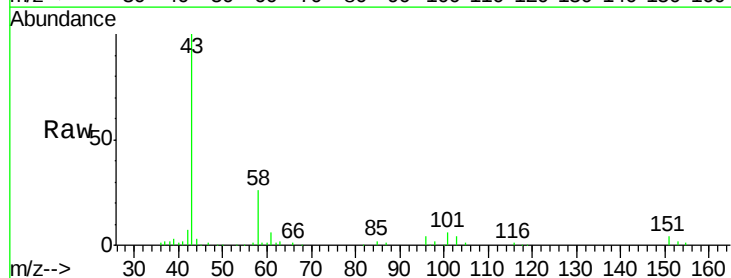
RT: 3.23 min Scan# 184

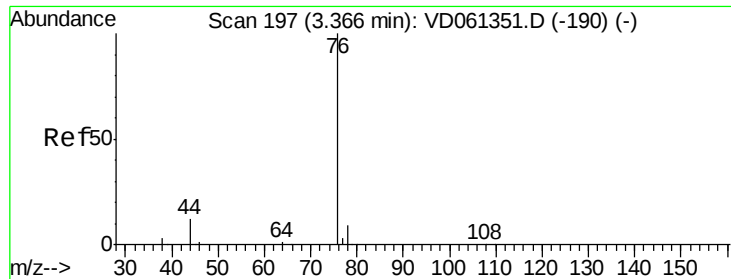
Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion:	43	Resp:	455103
Ion Ratio	Lower	Upper	
43	100		
58	25.6	21.5	32.3





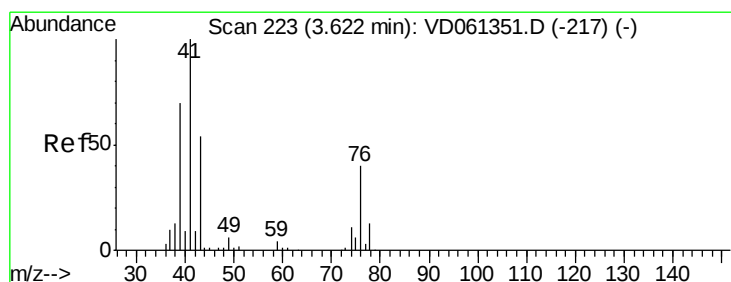
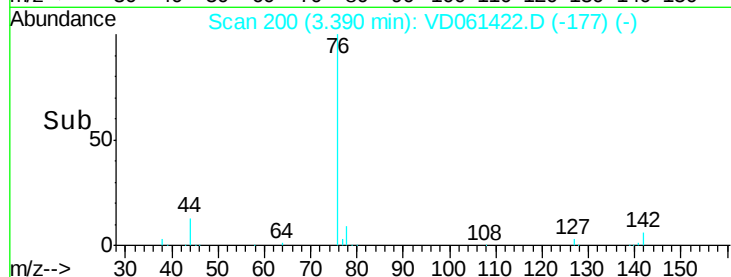
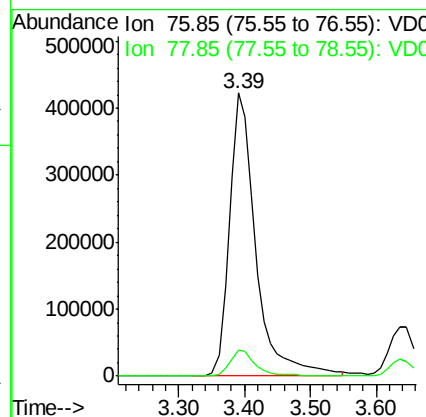
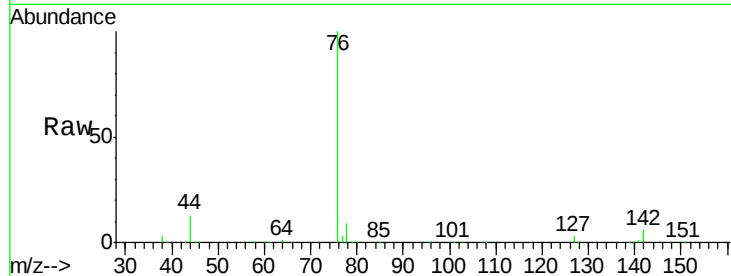
#17
Carbon Disulfide
Concen: 46.051 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1183683
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

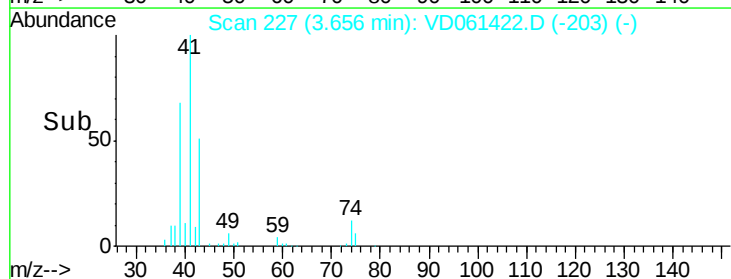
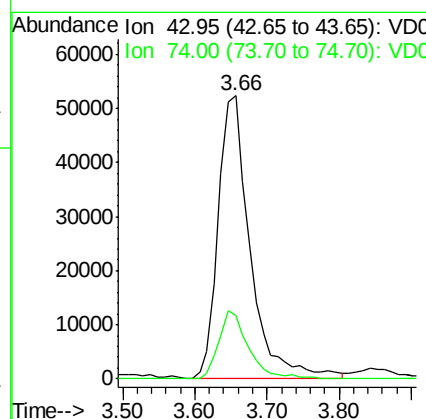
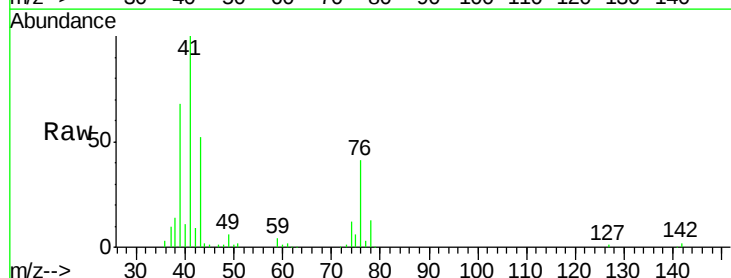
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#18
Methyl Acetate
Concen: 47.330 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 43 Resp: 161066
Ion Ratio Lower Upper
43 100
74 22.1 16.7 25.1





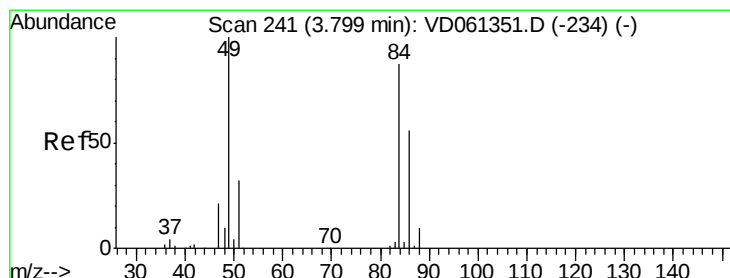
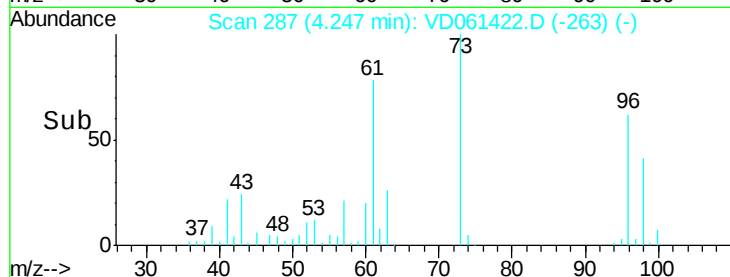
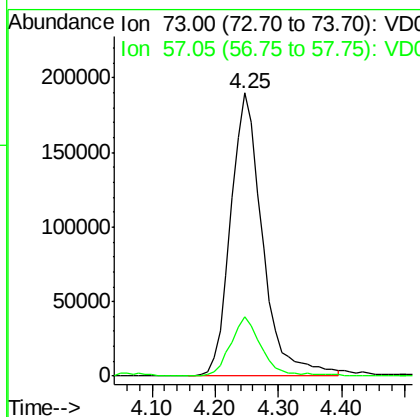
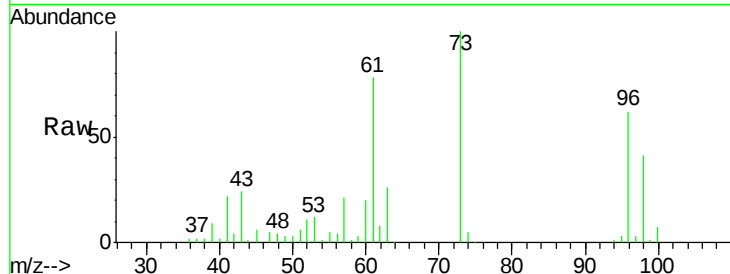
#19
Methvl tert-butvl Ether
Concen: 48.427 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 663172
Ion Ratio Lower Upper
73 100
57 21.1 16.4 24.6

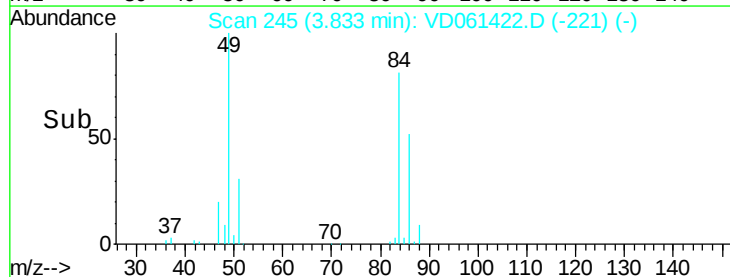
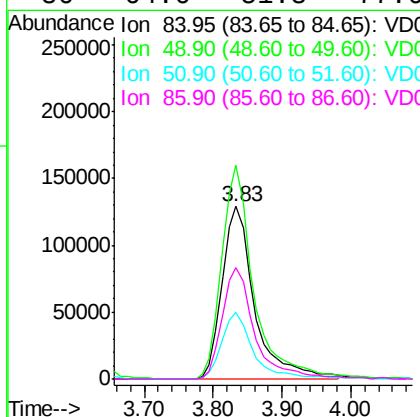
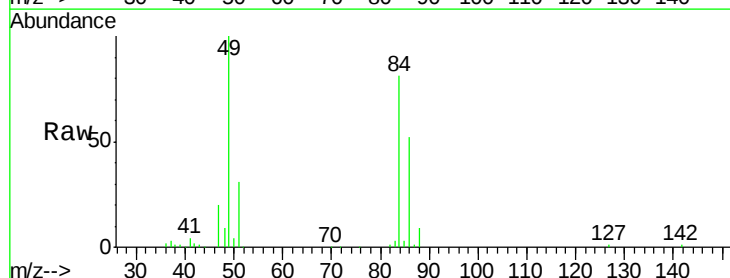
Manual Integrations
APPROVED

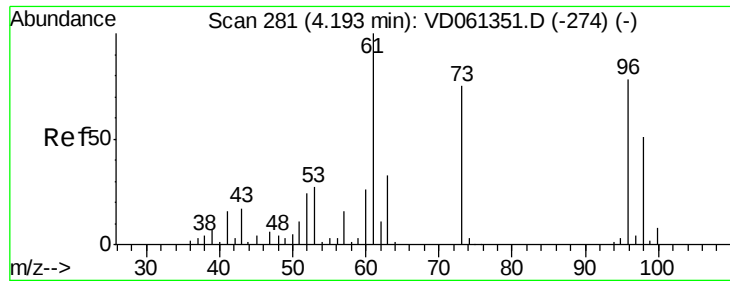
MMDadoda
4/1/2019 4:05:14 AM



#20
Methylene Chloride
Concen: 46.544 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 84 Resp: 423214
Ion Ratio Lower Upper
84 100
49 124.0 91.8 137.8
51 38.4 29.8 44.8
86 64.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.935 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

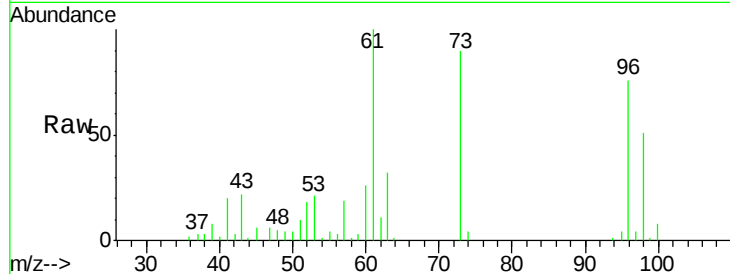
ClientSampleId :

VSTDCCC050

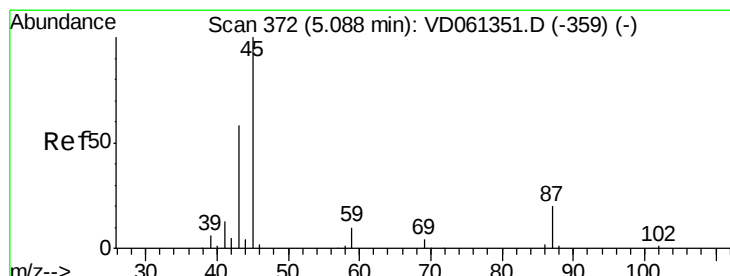
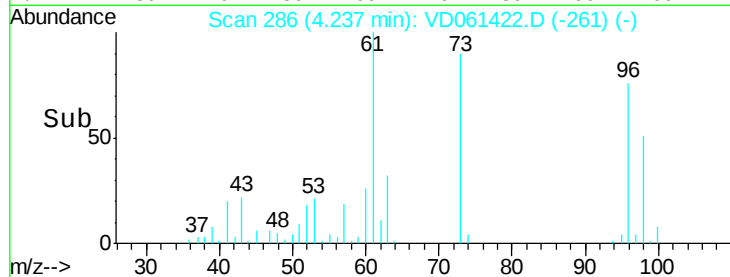
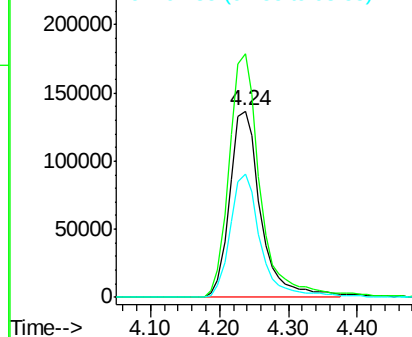
Tot Ion:	96	Resp:	426505
Ion	Ratio	Lower	Upper
96	100		
61	130.9	102.7	154.1
98	66.4	52.2	78.4

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



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



#22

Diisopropyl ether

Concen: 48.326 ug/l

RT: 5.13 min Scan# 377

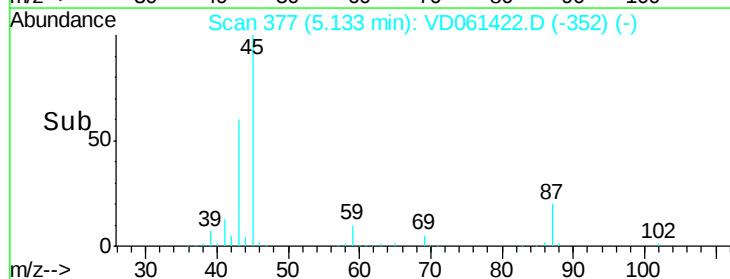
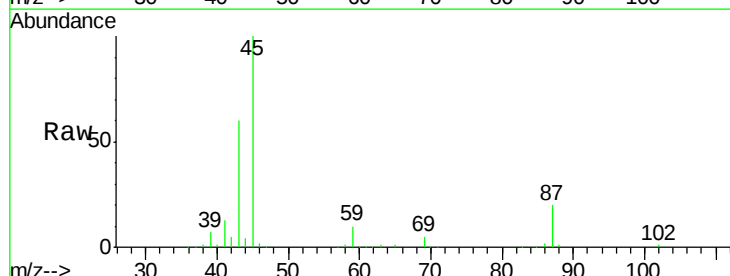
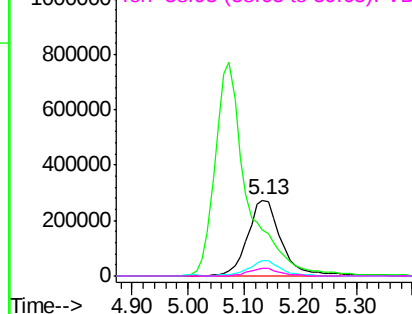
Delta R.T. 0.04 min

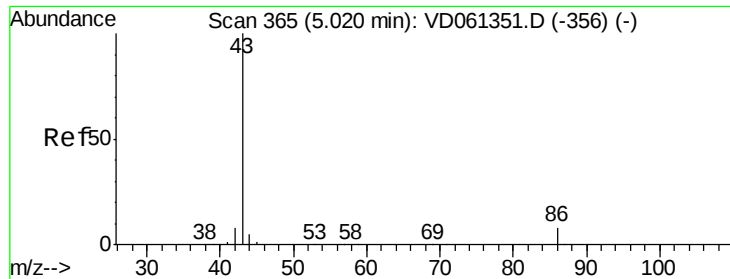
Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion:	45	Resp:	1128413
Ion	Ratio	Lower	Upper
45	100		
43	60.2	47.4	71.2
87	19.7	16.3	24.5
59	9.7	8.4	12.6

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 237.860 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3016948

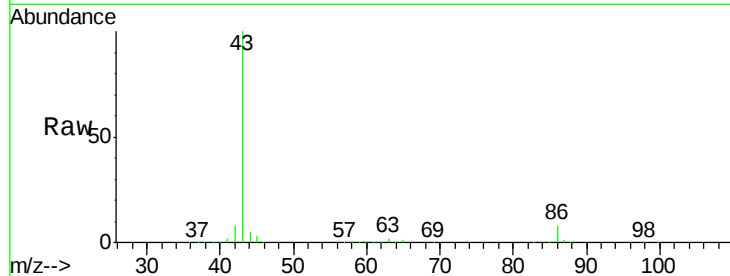
Ion Ratio Lower Upper

43 100

86 8.2 6.7 10.1

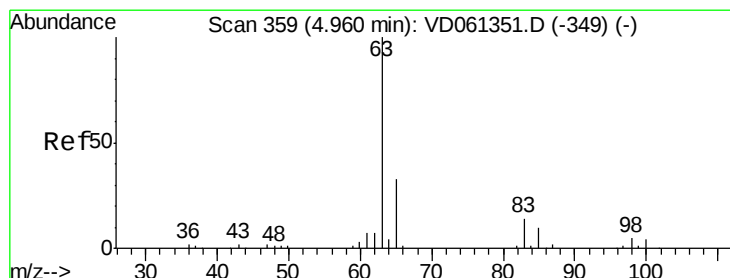
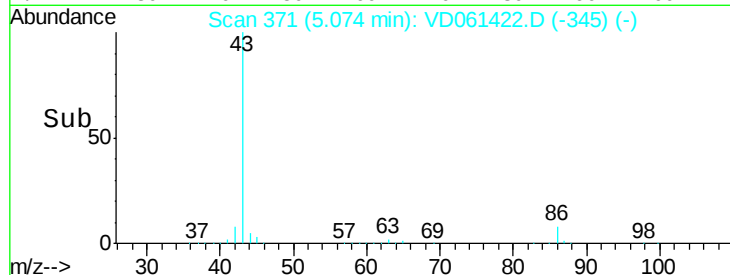
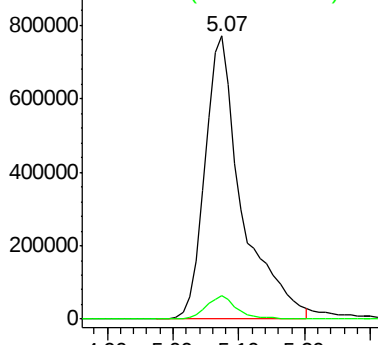
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.374 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

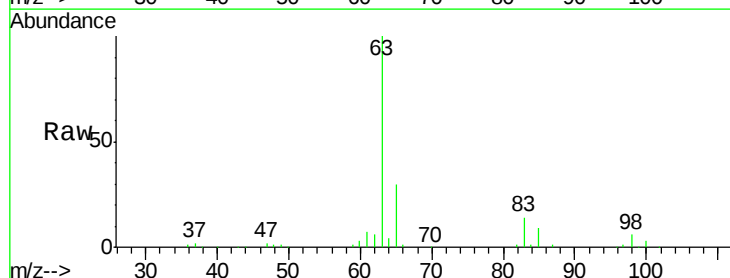
Tgt Ion: 63 Resp: 677547

Ion Ratio Lower Upper

63 100

98 5.6 2.6 8.0

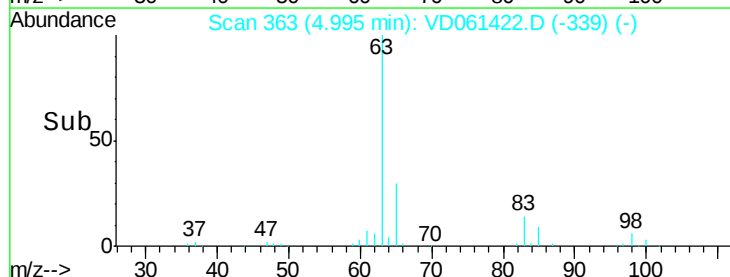
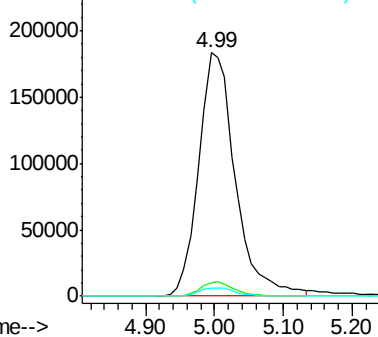
100 3.4 1.8 5.3



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: 240.289 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 489219

Ion Ratio Lower Upper

43 100

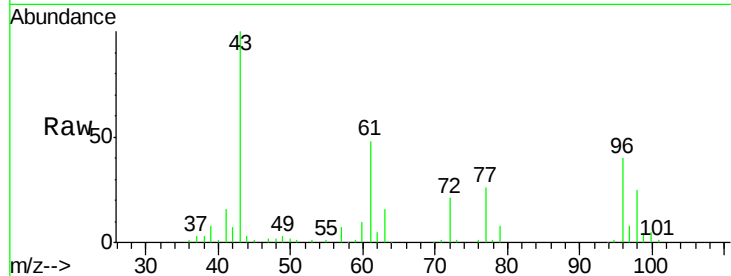
72 20.7 17.2 25.8

Manual Integrations

APPROVED

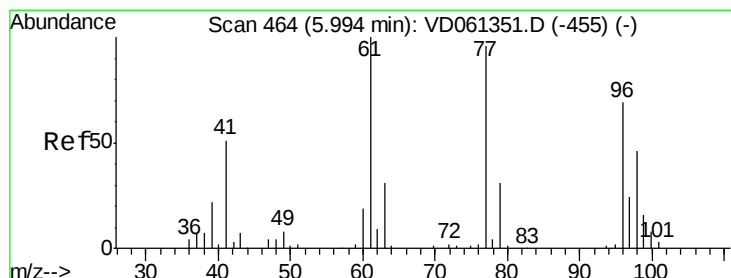
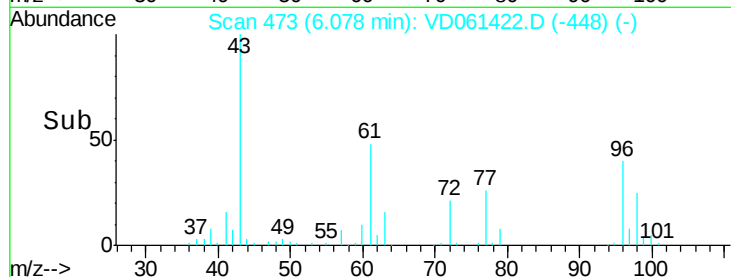
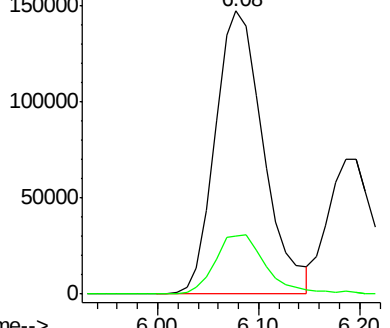
MMDadoda

4/1/2019 4:05:14 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.757 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD061422.D

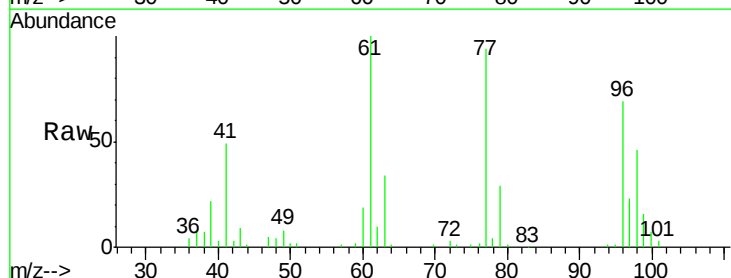
Acq: 29 Mar 2019 11:18

Tgt Ion: 77 Resp: 542781

Ion Ratio Lower Upper

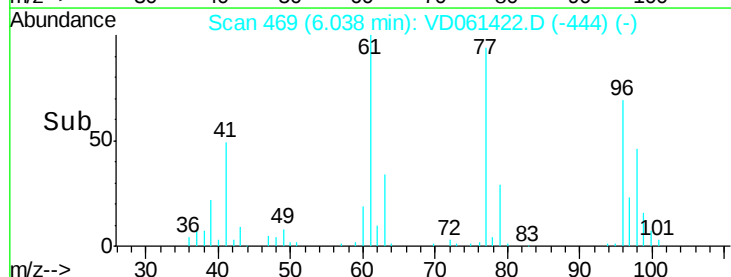
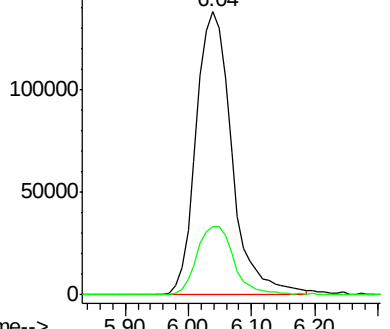
77 100

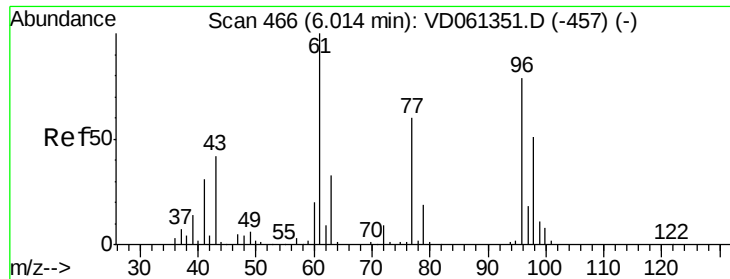
97 24.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

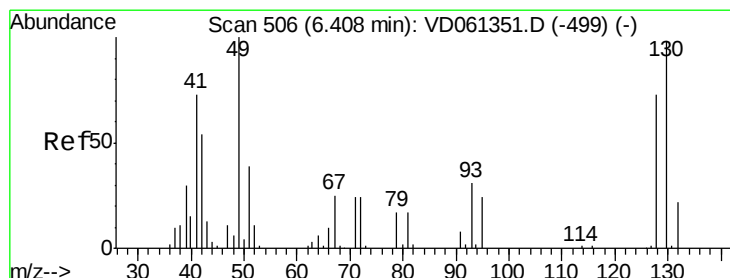
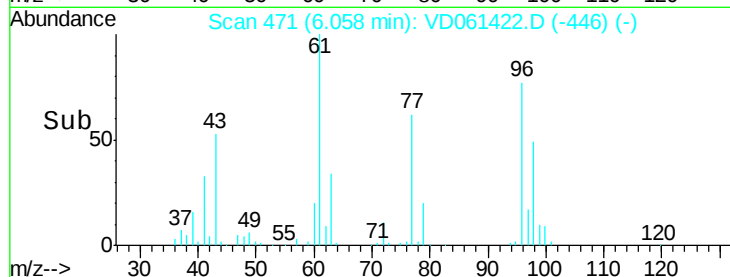
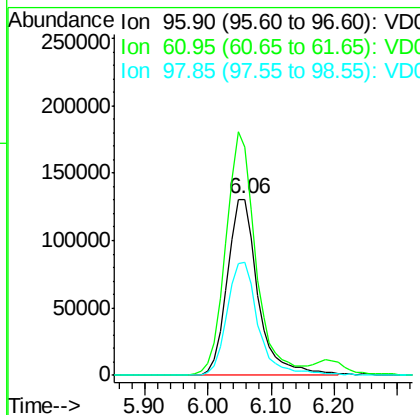
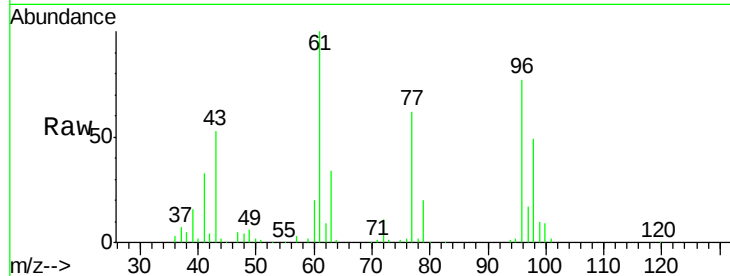
cis-1,2-Dichloroethene
Concen: 46.976 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	439600		
61	129.4	0.0	251.6	
98	64.0	0.0	129.2	

Manual Integrations
APPROVED

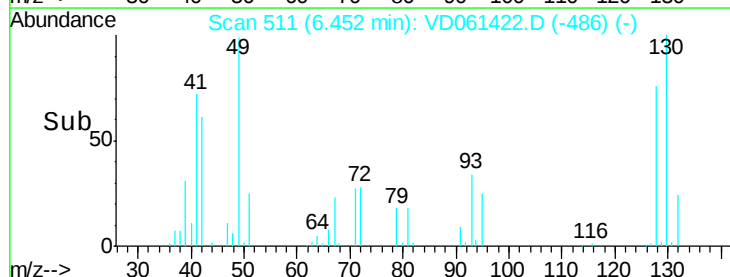
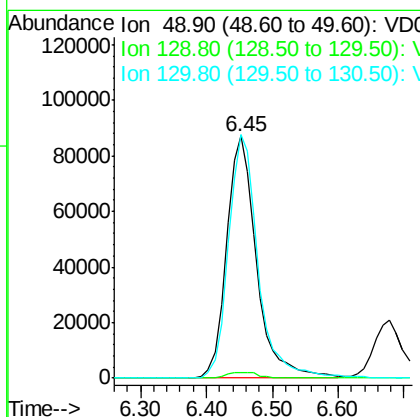
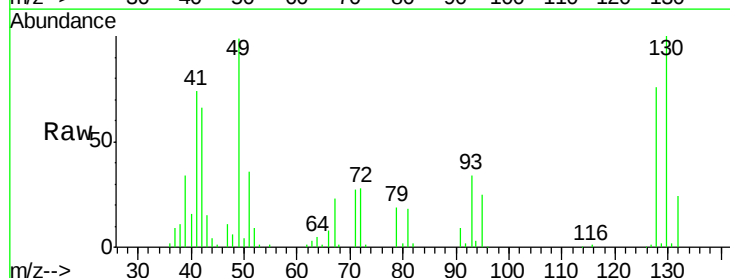
MMDadoda
4/1/2019 4:05:14 AM



#28

Bromochloromethane
Concen: 50.057 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	277284		
129	2.3	0.0	0.0#	
130	100.5	78.4	117.6	





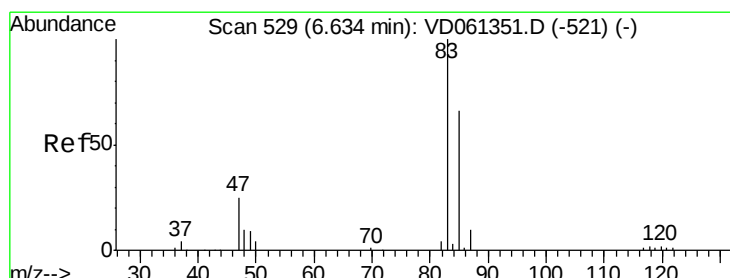
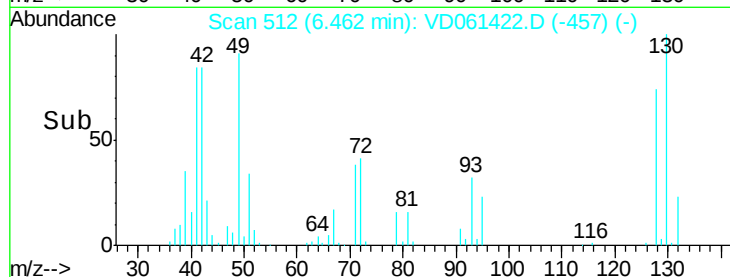
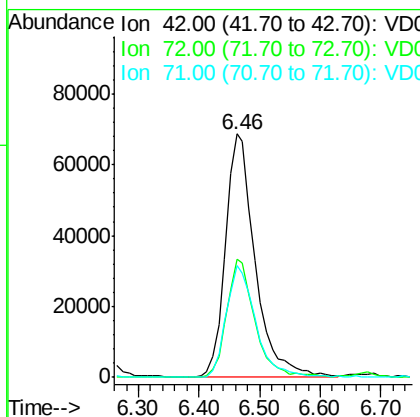
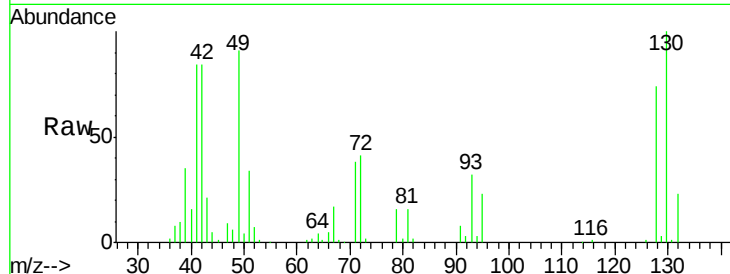
#29
Tetrahydrofuran
Concen: 236.997 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.4	56.0
71	45.7	36.7	55.1

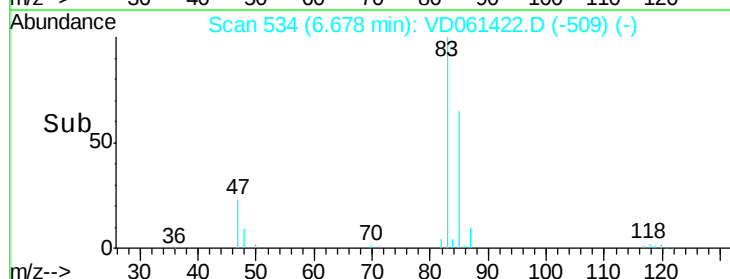
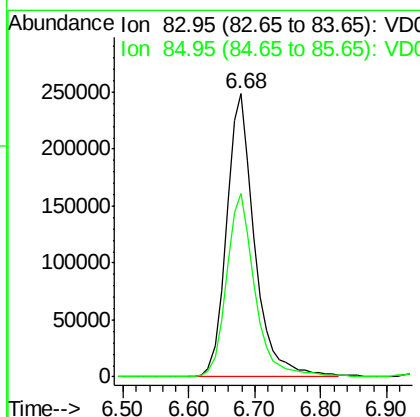
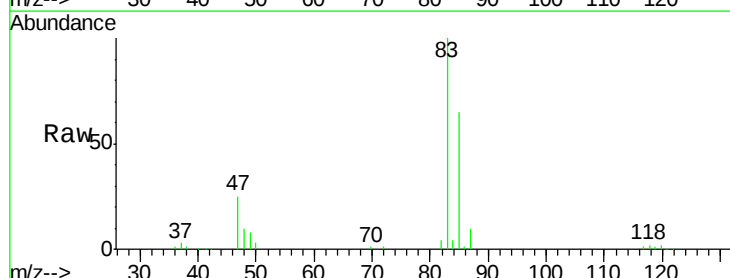
Manual Integrations
APPROVED

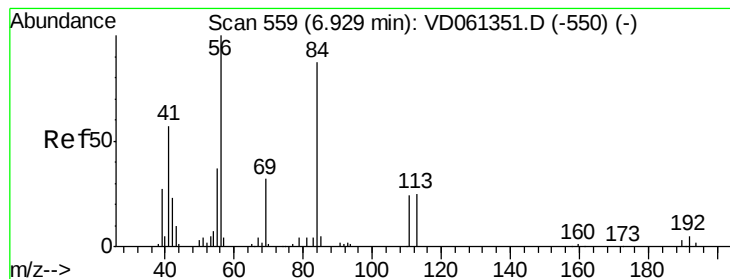
MMDadoda
4/1/2019 4:05:14 AM



#30
Chloroform
Concen: 52.135 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.0	79.4





#31

Cyclohexane

Concen: 47.991 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

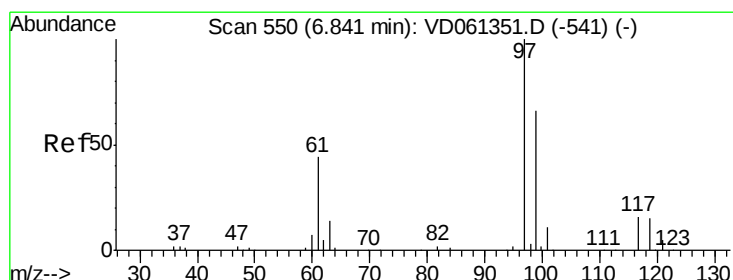
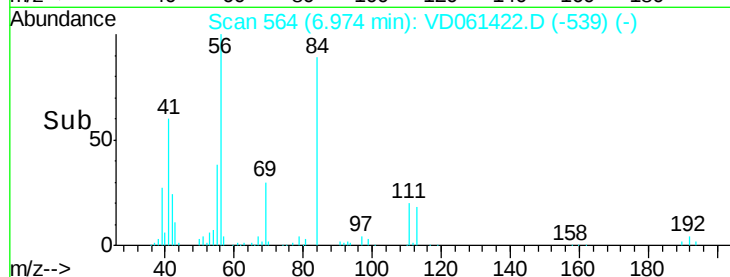
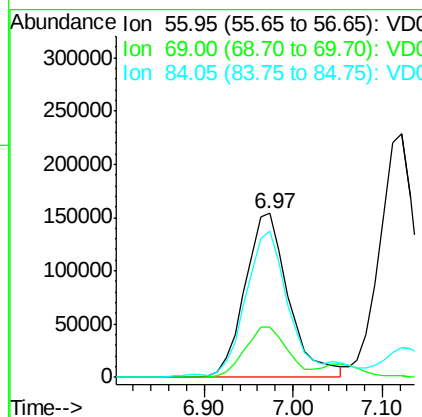
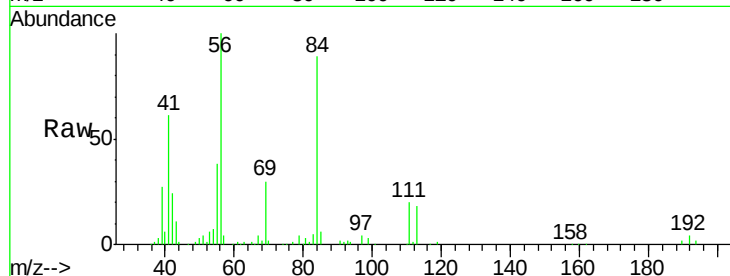
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	520424
Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.7	38.5
84	89.1	70.6	105.8

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#32

1,1,1-Trichloroethane

Concen: 50.105 ug/l

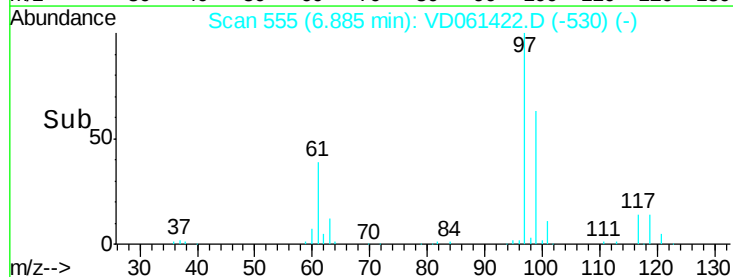
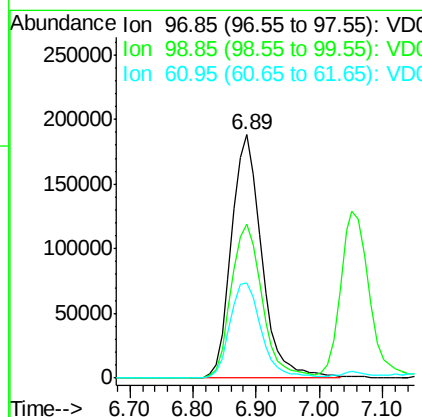
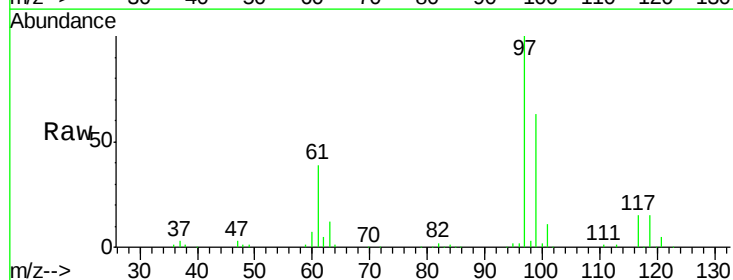
RT: 6.89 min Scan# 555

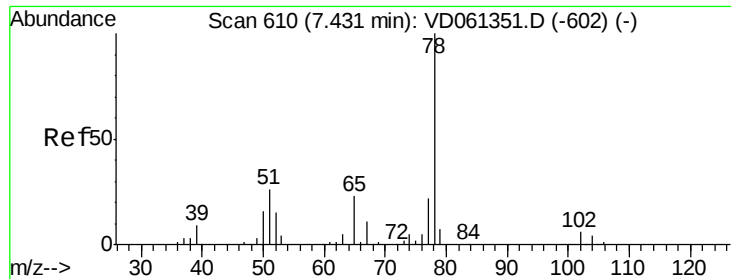
Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion:	97	Resp:	626771
Ion	Ratio	Lower	Upper
97	100		
99	63.5	53.1	79.7
61	39.0	35.5	53.3





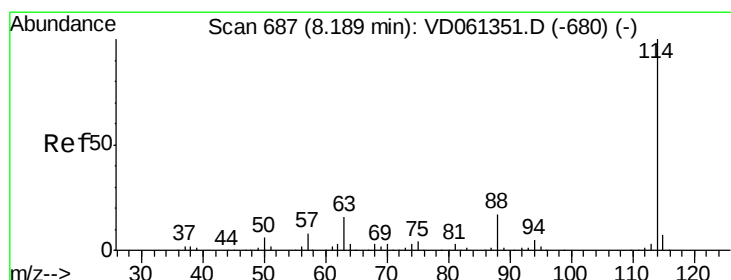
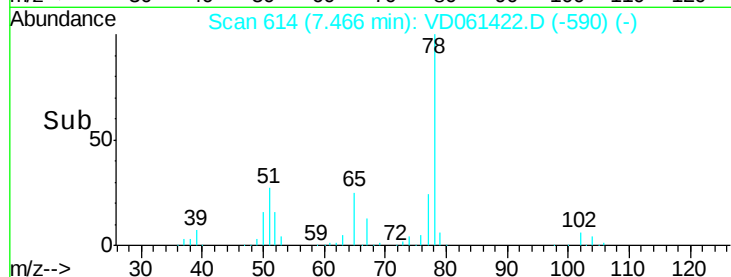
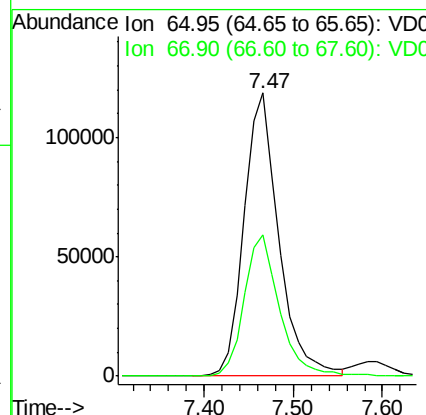
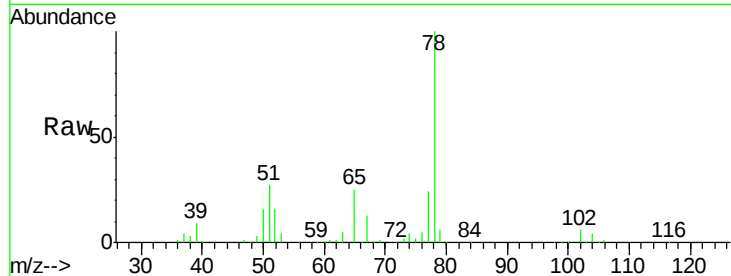
#33
 1,2-Dichloroethane-d4
 Concen: 50.105 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.03 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	320232		
67	49.9	0.0	99.8	

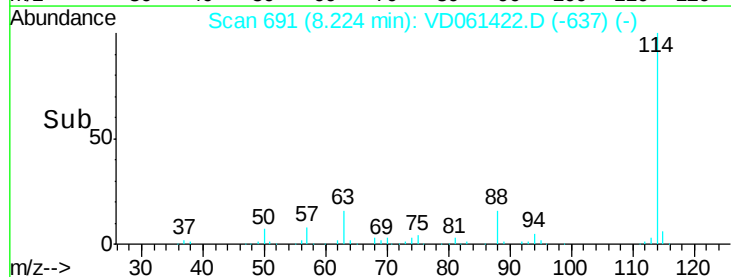
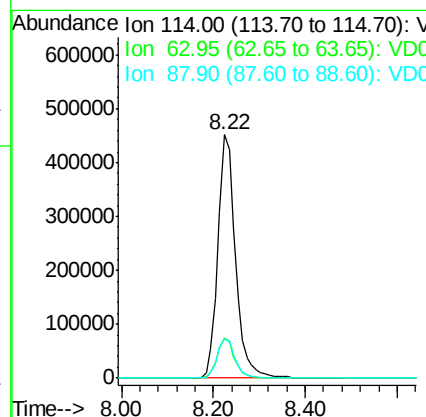
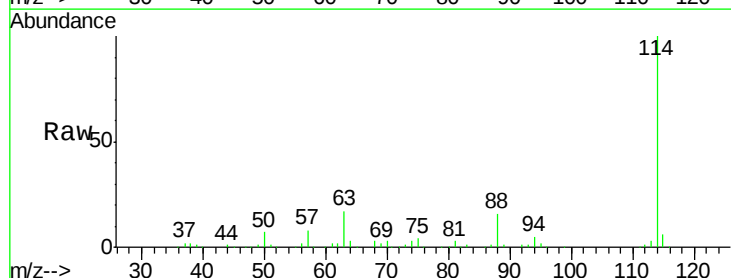
Manual Integrations
 APPROVED

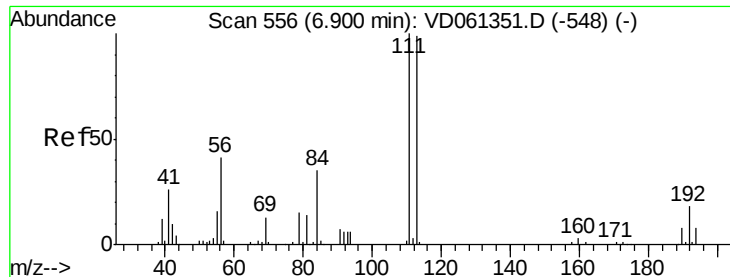
MMDadoda
 4/1/2019 4:05:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1189249		
63	16.5	0.0	31.6	
88	16.1	0.0	33.4	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

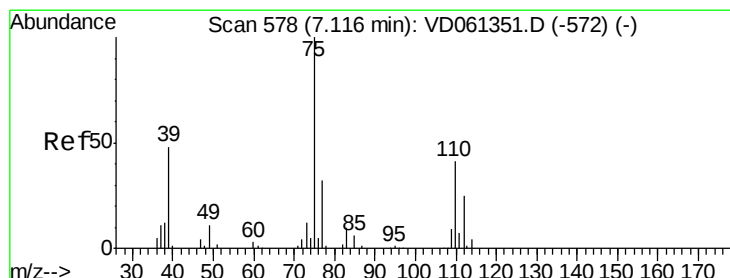
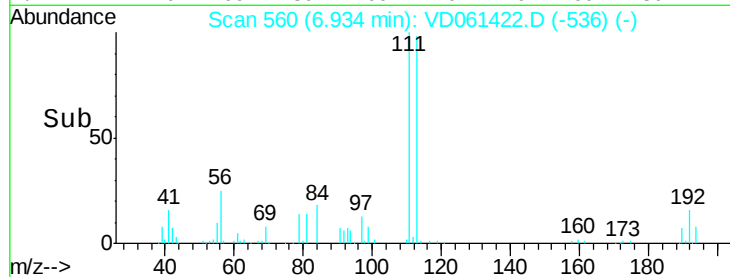
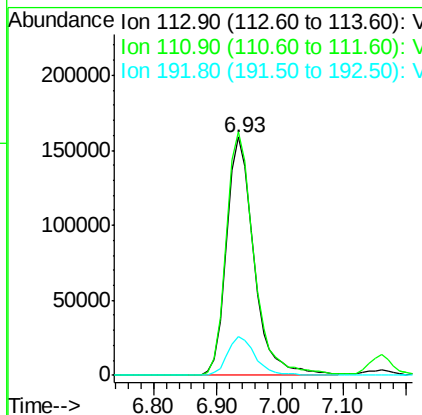
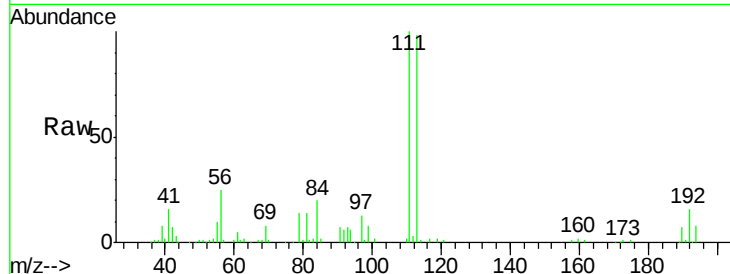
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	478236
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.0	121.6
192	16.5	14.4	21.6

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#36

1,1-Dichloropropene

Concen: 50.539 ug/l

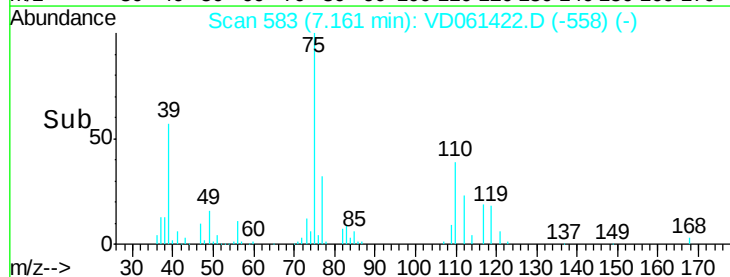
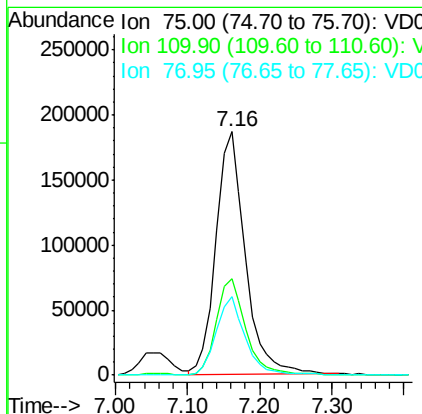
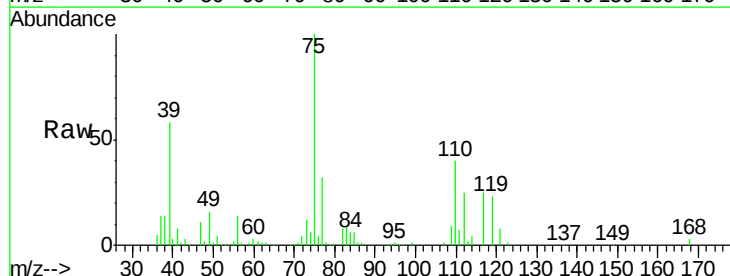
RT: 7.16 min Scan# 583

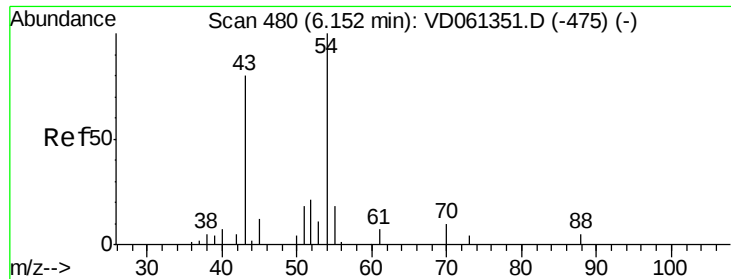
Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion:	75	Resp:	524569
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.4	61.3
77	32.0	24.9	37.3





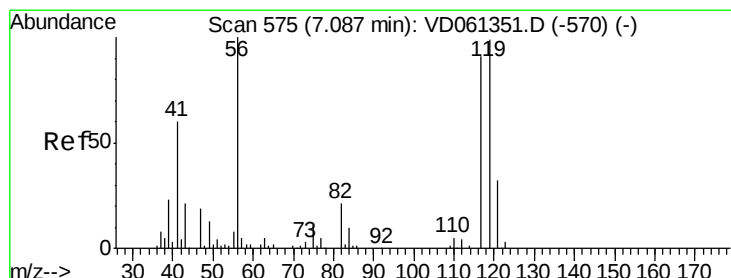
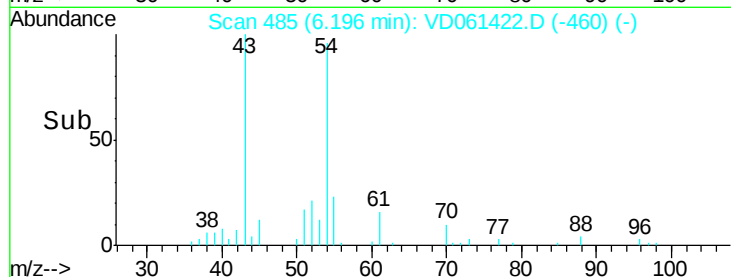
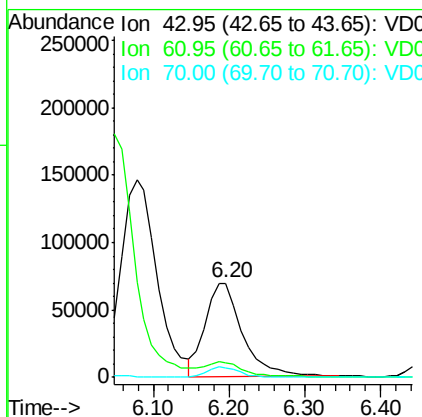
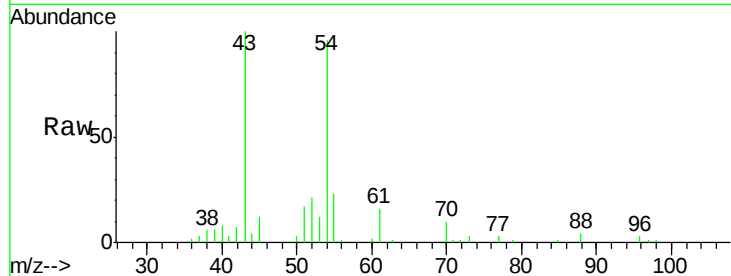
#37
Ethyl Acetate
Concen: 53.461 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.8	20.8
70	9.8	7.8	11.8

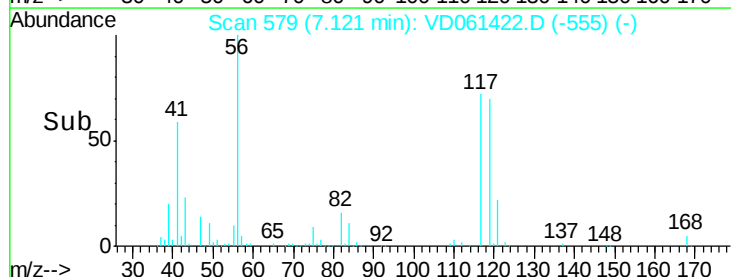
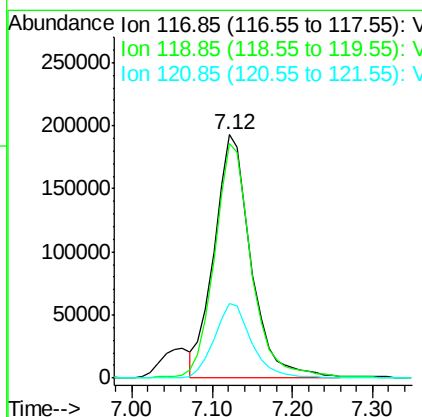
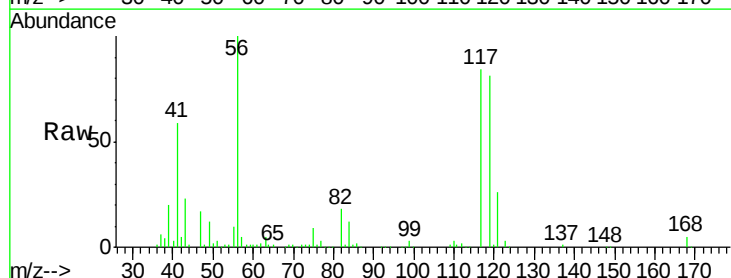
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#38
Carbon Tetrachloride
Concen: 52.028 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	80.1	120.1
121	30.8	25.6	38.4





#39

Methvlcvclohexane

Concen: 51.981 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

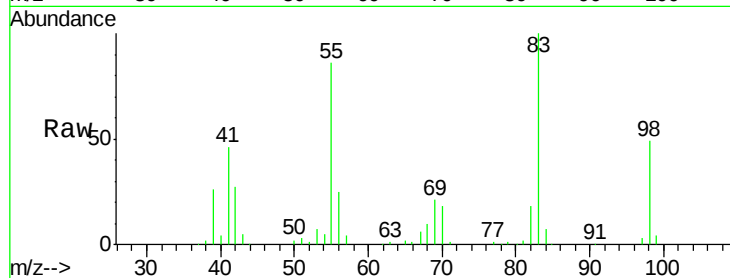
ClientSampleId :

VSTDCCC050

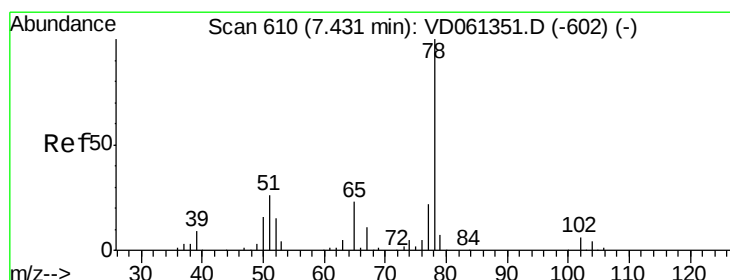
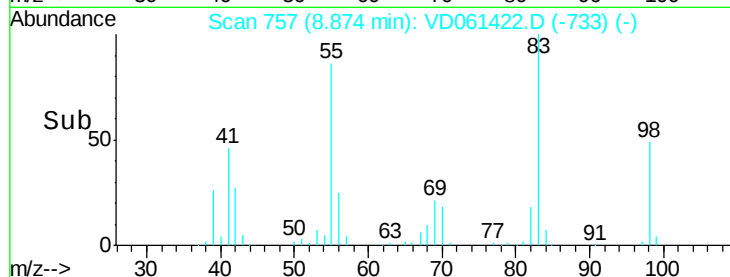
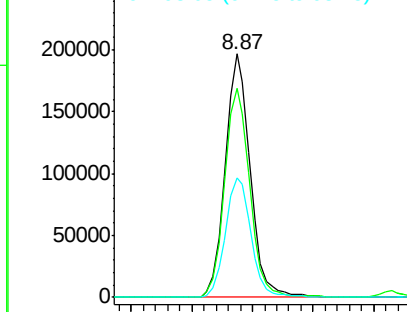
Tot Ion:	83	Resp:	561920
Ion	Ratio	Lower	Upper
83	100		
55	85.8	71.5	107.3
98	49.3	40.3	60.5

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 51.484 ug/l

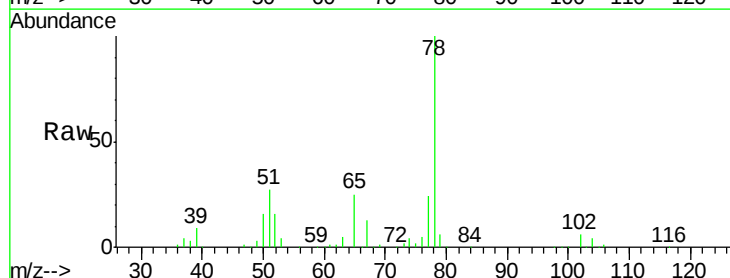
RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

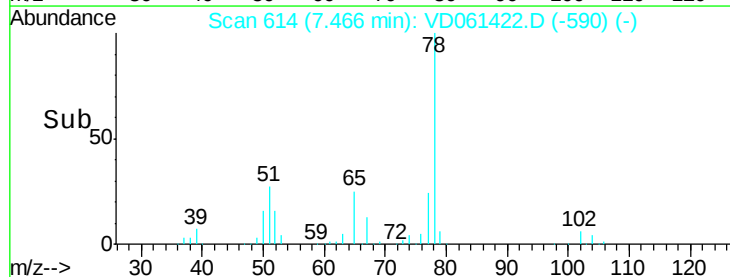
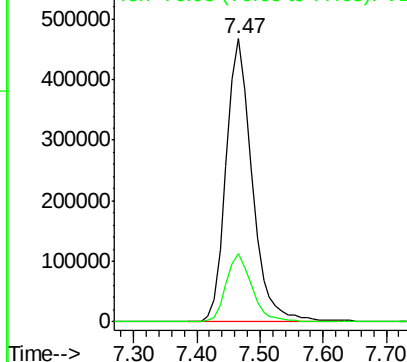
Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion:	78	Resp:	1341146
Ion	Ratio	Lower	Upper
78	100		
77	24.3	17.8	26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





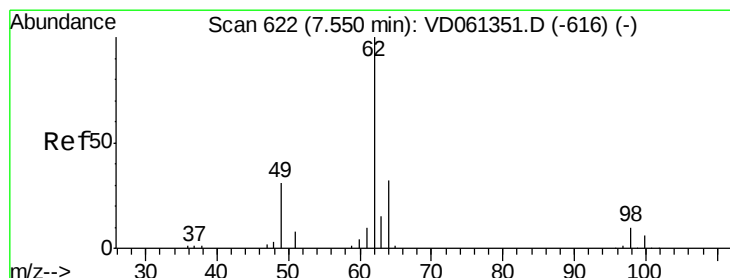
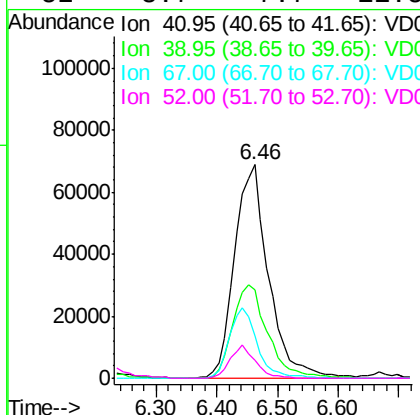
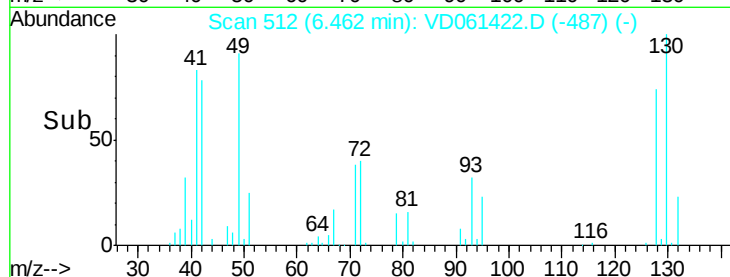
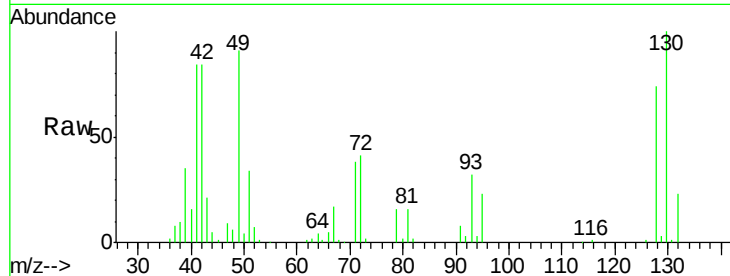
#41
Methacrylonitrile
Concen: 51.838 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	41.5	35.0	52.6
67	19.8	21.0	31.6
52	8.7	7.7	11.5

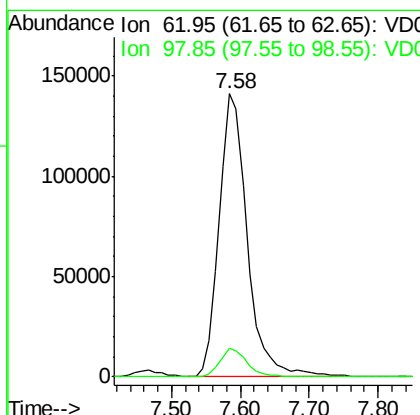
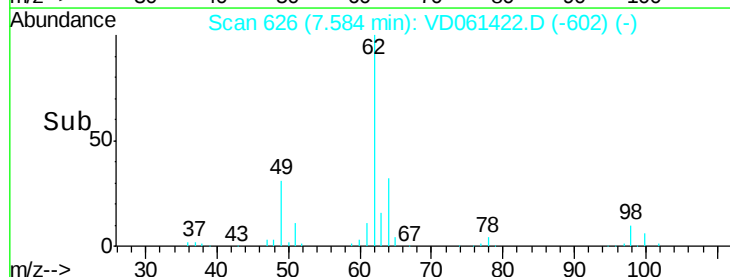
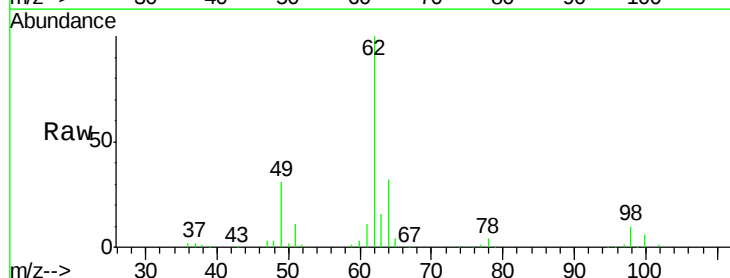
Manual Integrations
APPROVED

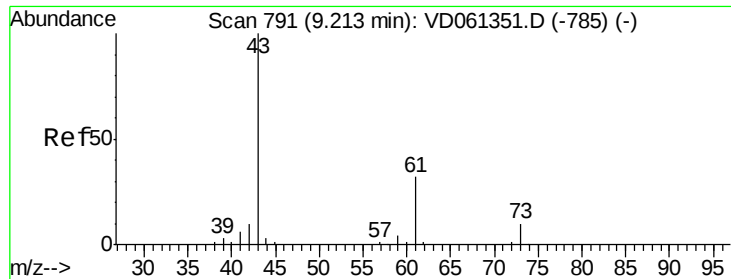
MMDadoda
4/1/2019 4:05:14 AM



#42
1,2-Dichloroethane
Concen: 51.347 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.8





#43

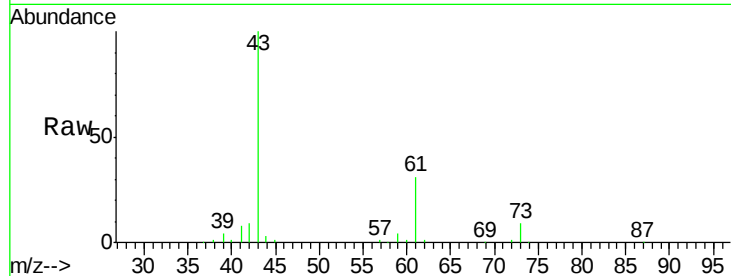
Isopropyl Acetate
 Concen: 50.254 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.03 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

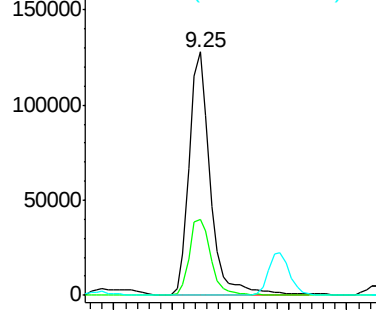
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.8	38.6
87	0.3	0.0	0.0#

Manual Integrations
 APPROVED

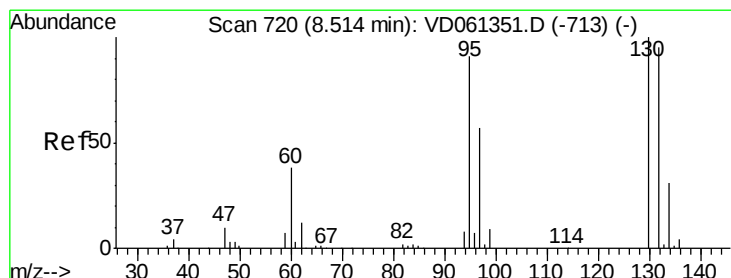
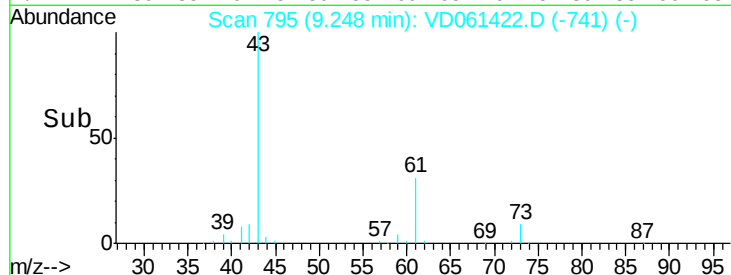
MMDadoda
 4/1/2019 4:05:14 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



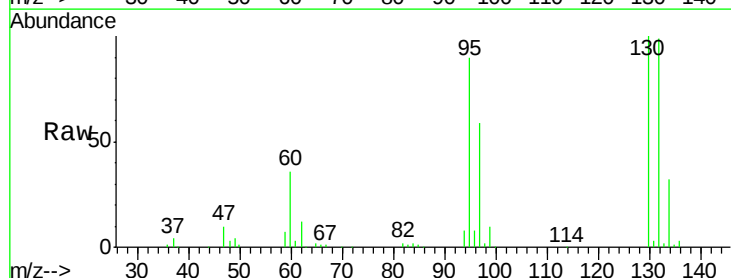
Time-->



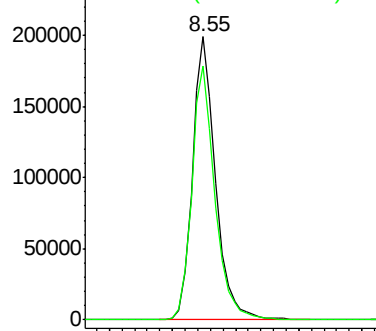
#44

Trichloroethene
 Concen: 51.972 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

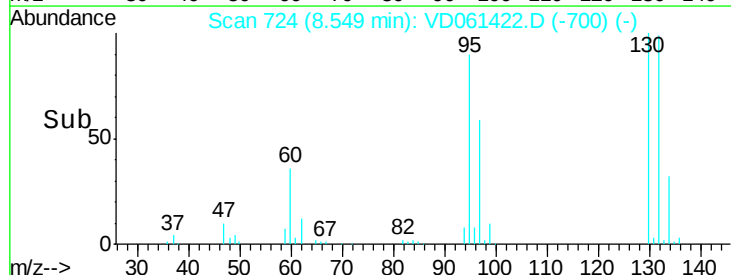
Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	181.4

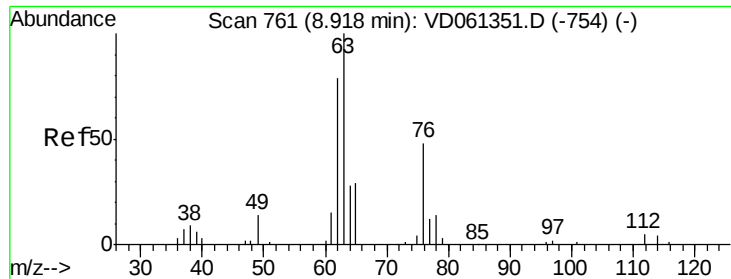


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC



Time-->





#45

1,2-Dichloropropane

Concen: 46.304 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 305858

Ion Ratio Lower Upper

63 100

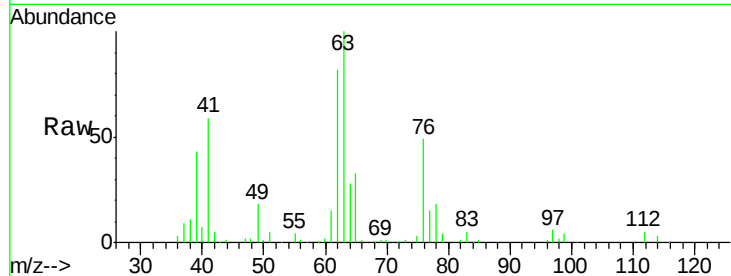
65 33.2 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

4/1/2019 4:05:14 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

120000

100000

80000

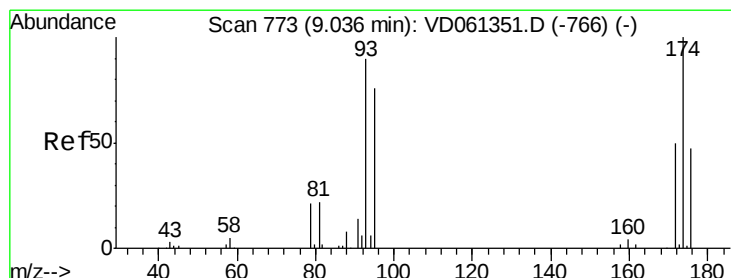
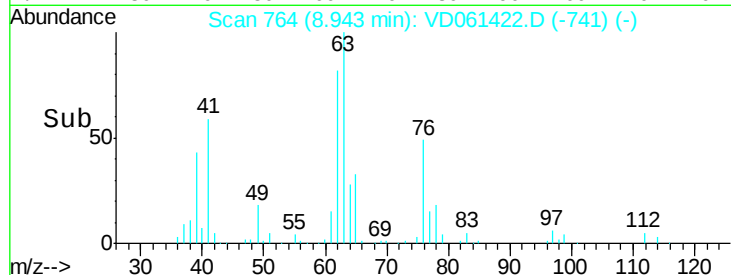
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.941 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

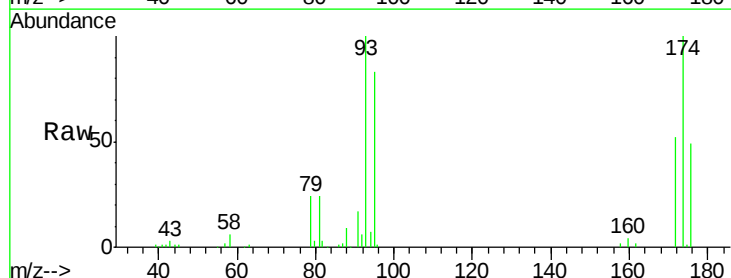
Tgt Ion: 93 Resp: 230926

Ion Ratio Lower Upper

93 100

95 83.0 67.4 101.0

174 100.4 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

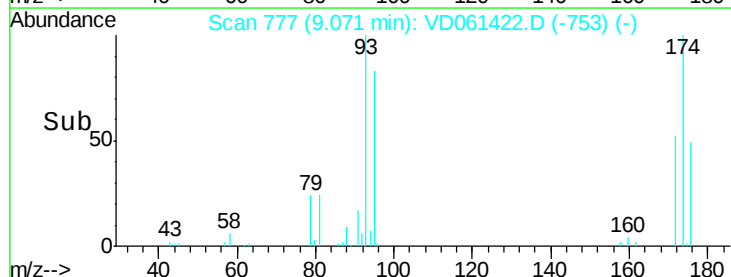
9.07

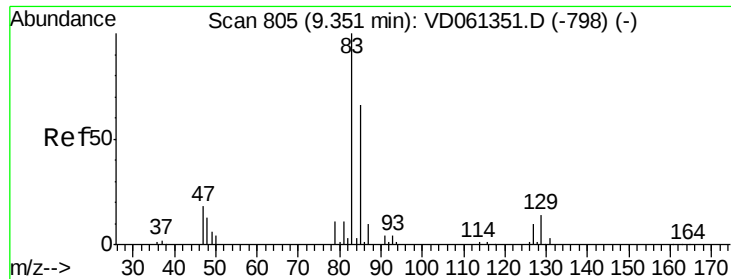
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 54.607 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

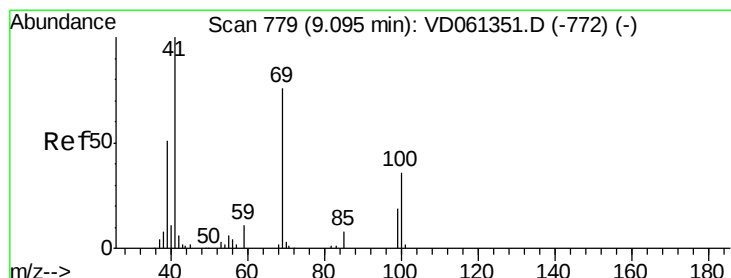
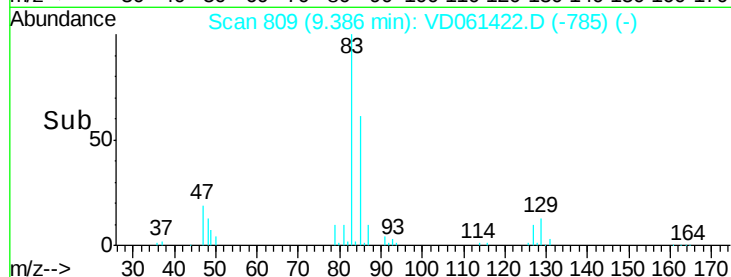
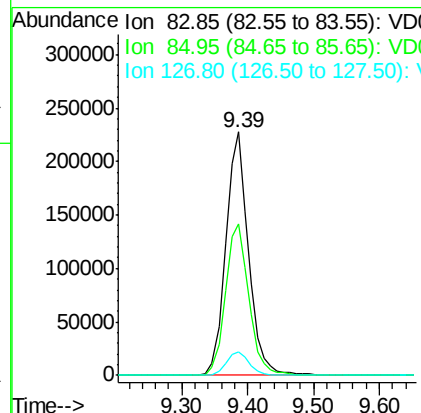
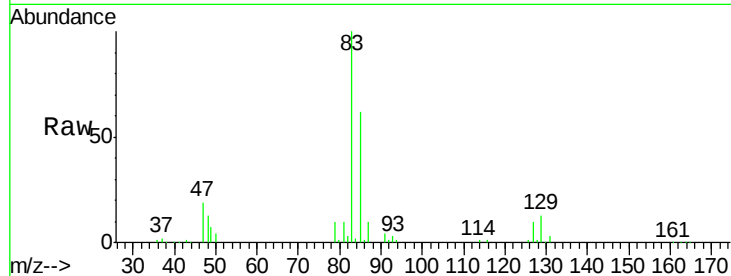
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	544910
Ion	Ratio	Lower	Upper
83	100		
85	62.2	53.0	79.4
127	9.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#48

Methyl methacrylate

Concen: 48.194 ug/l

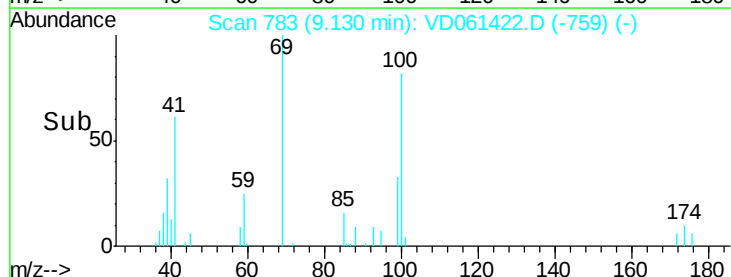
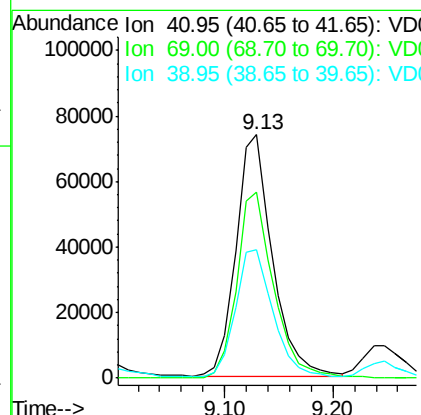
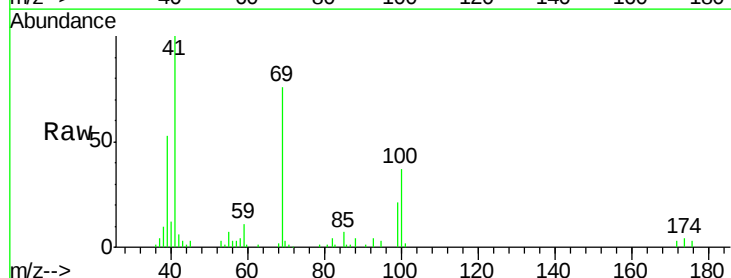
RT: 9.13 min Scan# 783

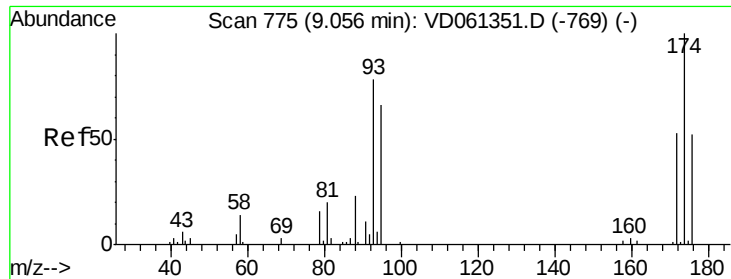
Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion:	41	Resp:	171788
Ion	Ratio	Lower	Upper
41	100		
69	76.2	60.2	90.4
39	53.0	41.4	62.2





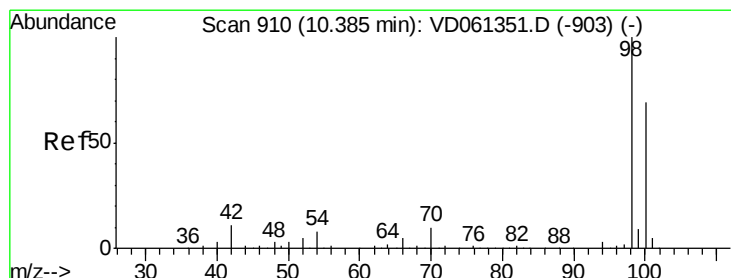
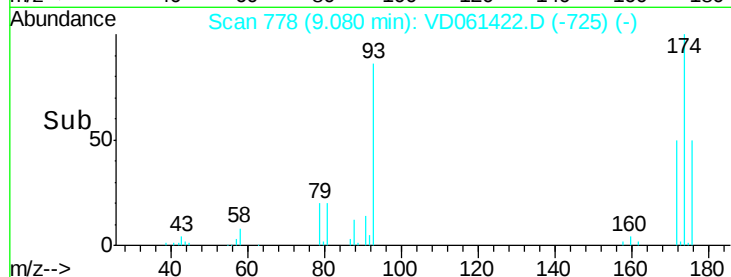
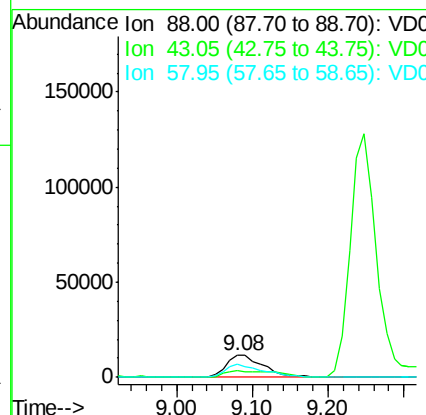
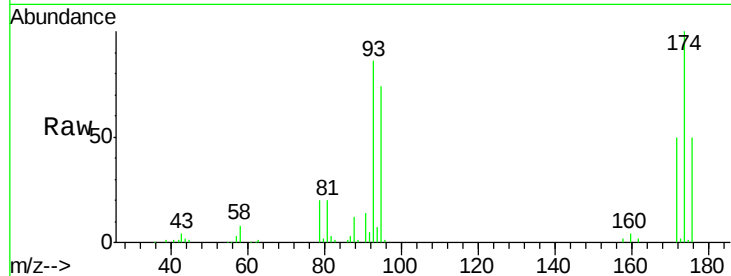
#49
1,4-Dioxane
Concen: 990.485 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	23.3	34.9
58	62.8	50.8	76.2

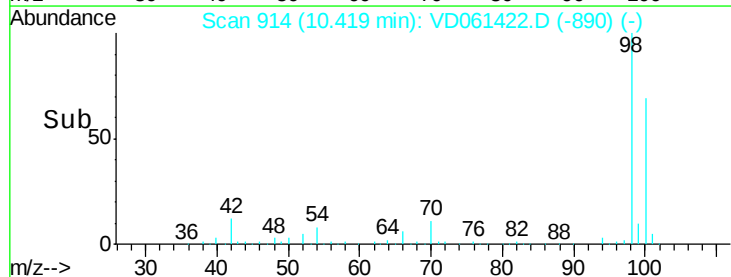
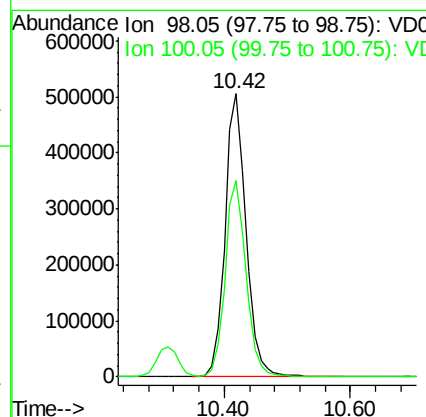
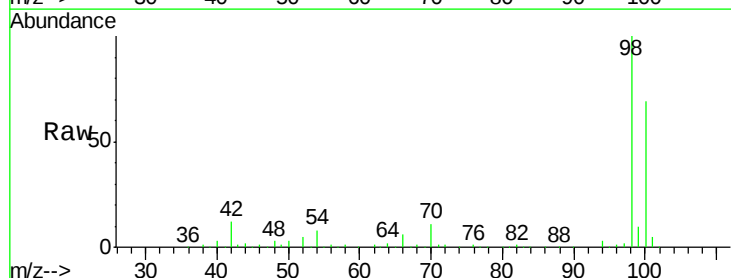
Manual Integrations
APPROVED

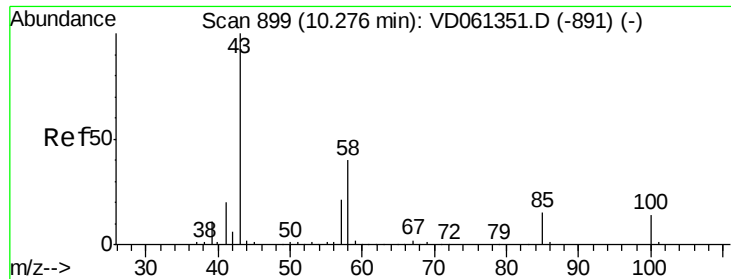
MMDadoda
4/1/2019 4:05:14 AM



#50
Toluene-d8
Concen: 990.485 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 255.418 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1003649

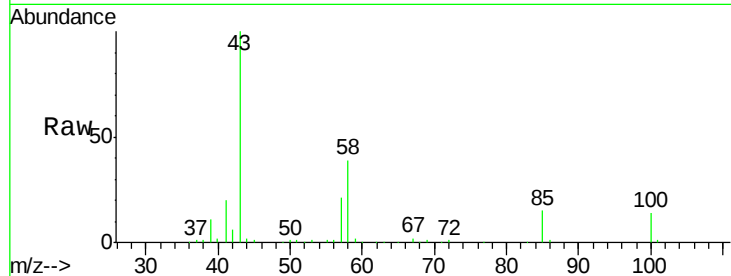
Ion Ratio Lower Upper

43 100

58 38.7 31.8 47.8

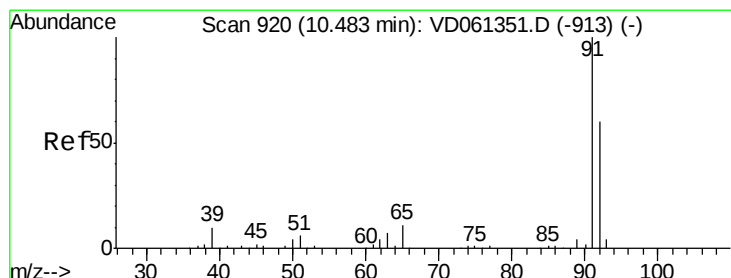
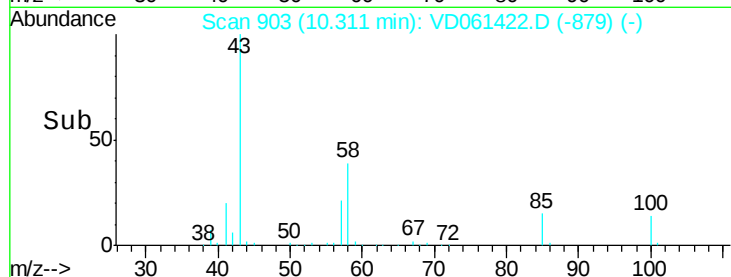
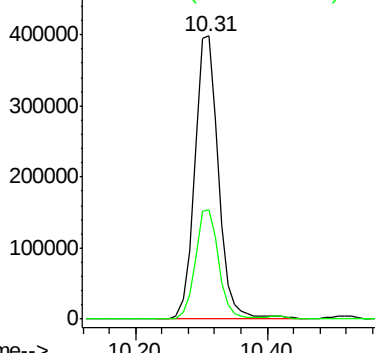
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.518 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061422.D

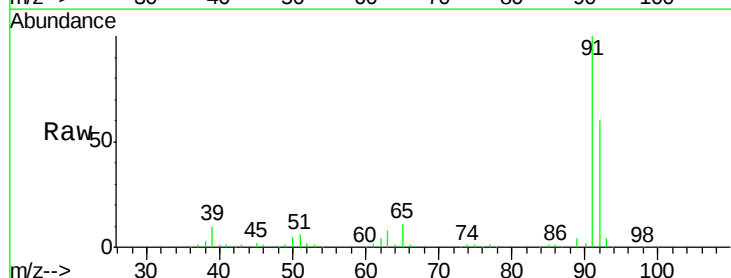
Acq: 29 Mar 2019 11:18

Tgt Ion: 92 Resp: 739278

Ion Ratio Lower Upper

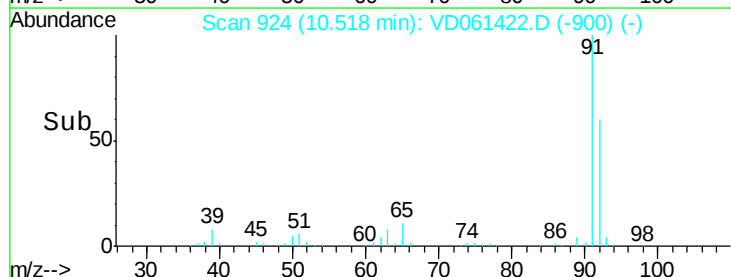
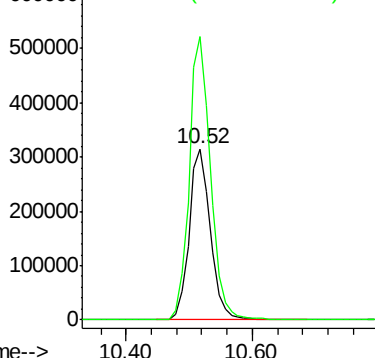
92 100

91 165.4 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





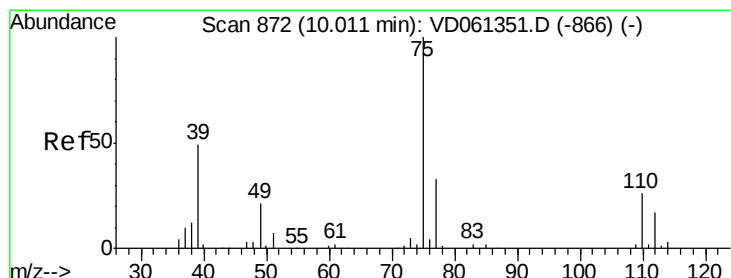
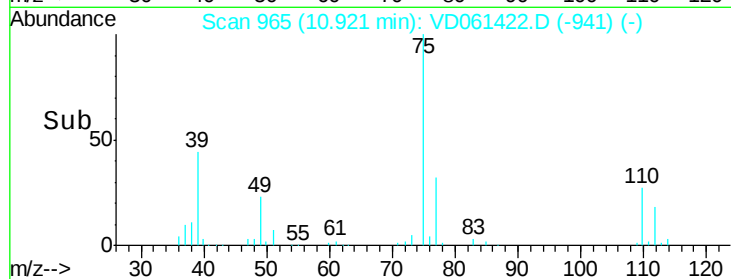
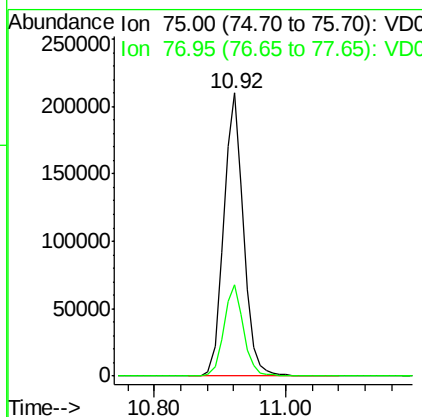
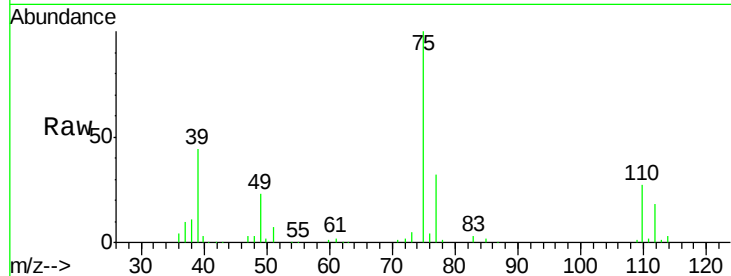
#53
t-1,3-Dichloropropene
Concen: 48.604 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 440650
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

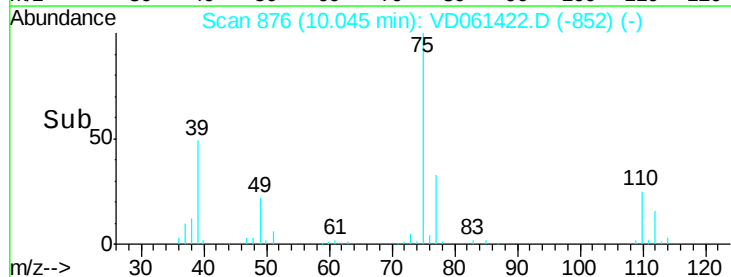
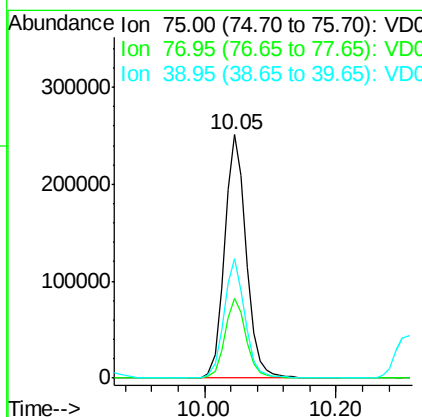
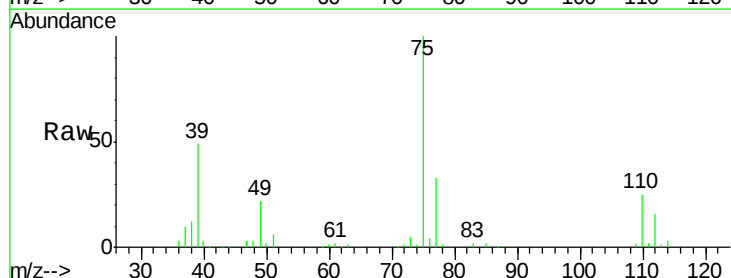
Manual Integrations
APPROVED

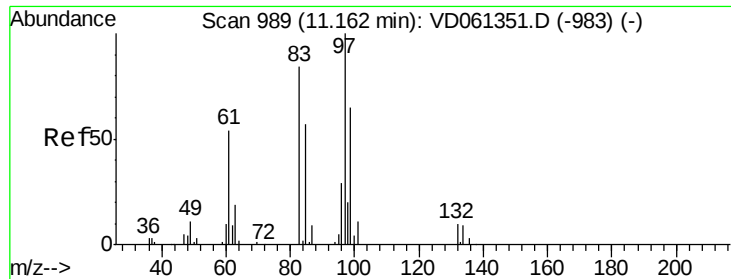
MMDadoda
4/1/2019 4:05:14 AM



#54
cis-1,3-Dichloropropene
Concen: 52.547 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 75 Resp: 580096
Ion Ratio Lower Upper
75 100
77 33.0 26.2 39.4
39 49.3 39.4 59.0





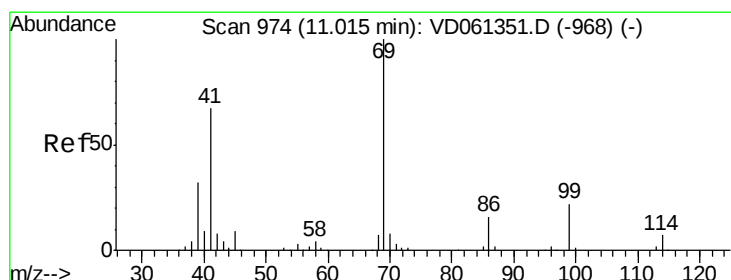
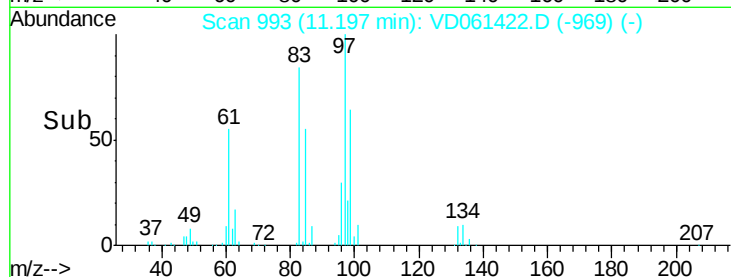
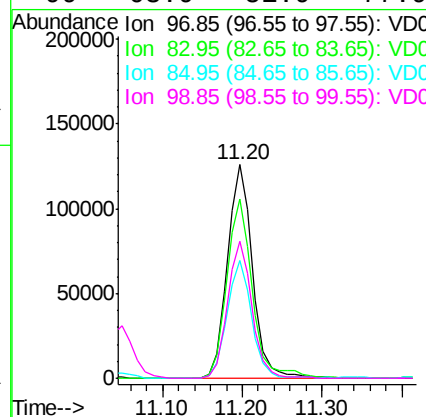
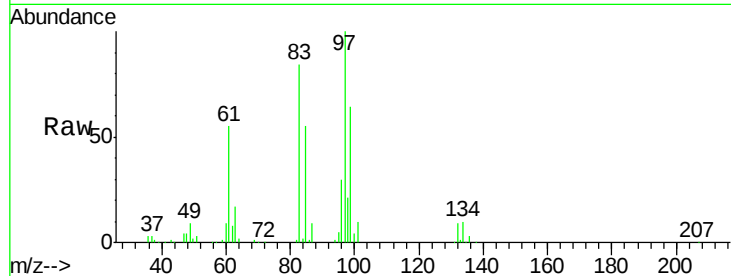
#55
 1,1,2-Trichloroethane
 Concen: 50.212 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.03 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	279073
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.0	100.6
85	54.9	45.4	68.2
99	63.9	51.9	77.9

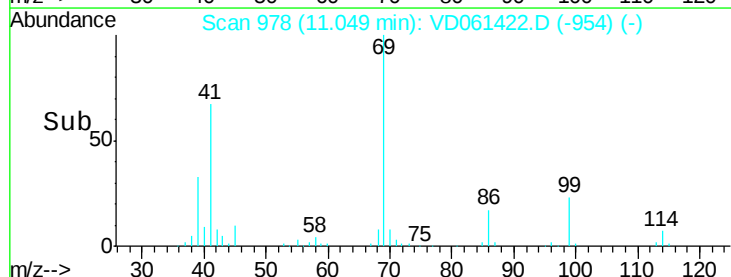
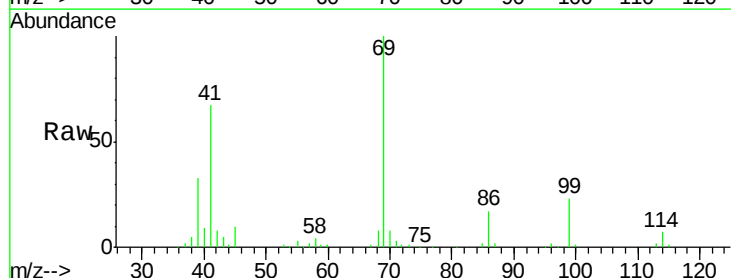
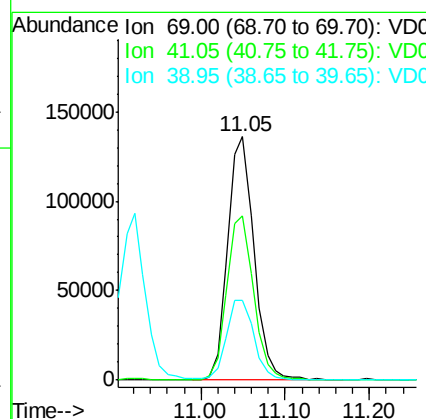
Manual Integrations
 APPROVED

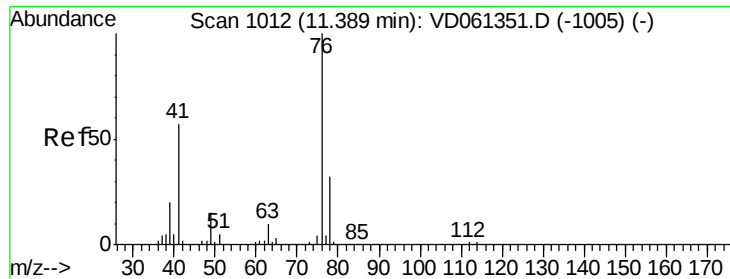
MMDadoda
 4/1/2019 4:05:14 AM



#56
 Ethyl methacrylate
 Concen: 49.566 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.03 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion:	69	Resp:	295943
Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.8	80.6
39	32.8	26.4	39.6





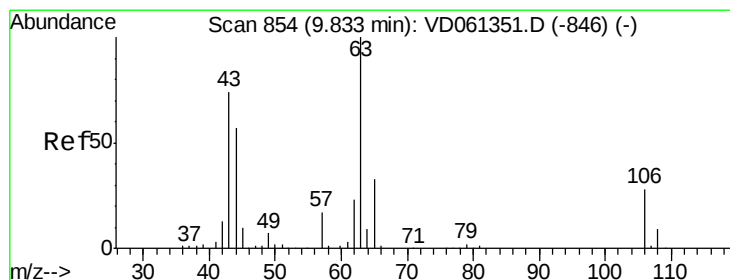
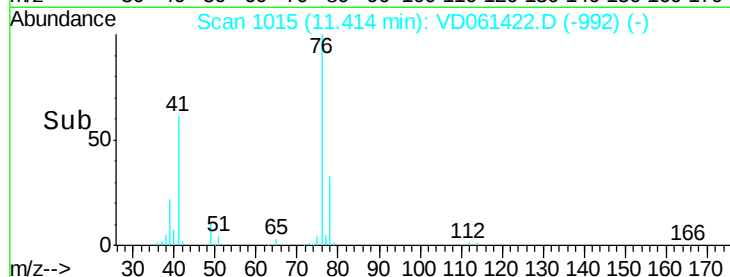
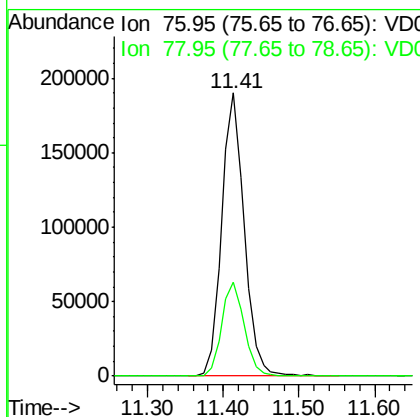
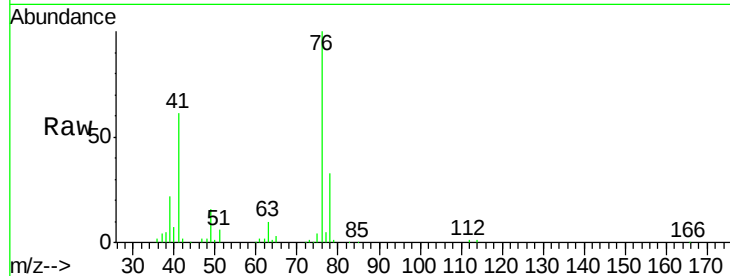
#57
 1,3-Dichloropropane
 Concen: 47.936 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 391589
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.4 38.0

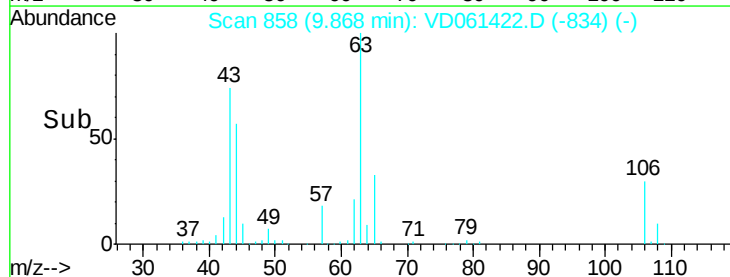
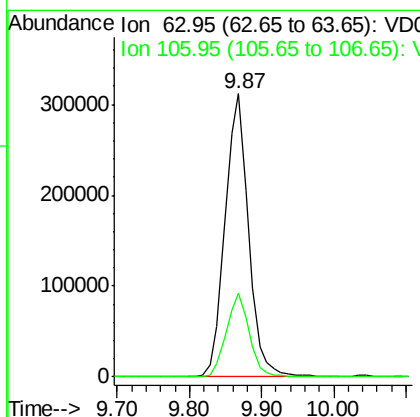
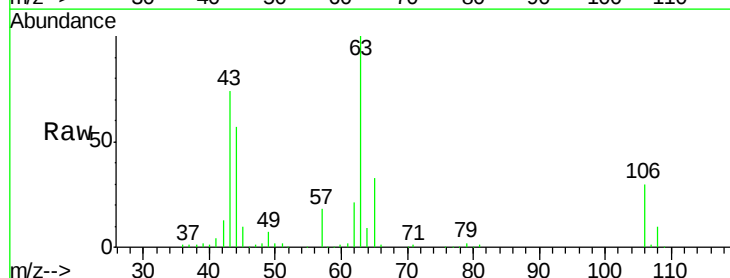
Manual Integrations
 APPROVED

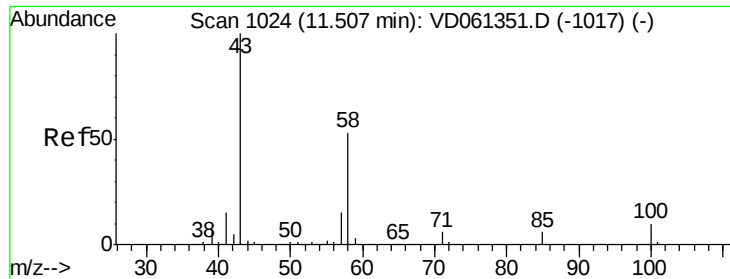
MMDadoda
 4/1/2019 4:05:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.935 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.03 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion: 63 Resp: 703466
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.4 33.6





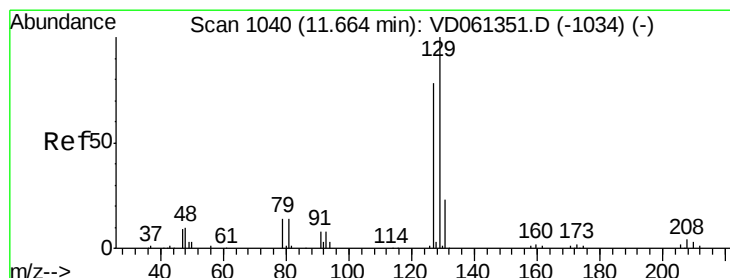
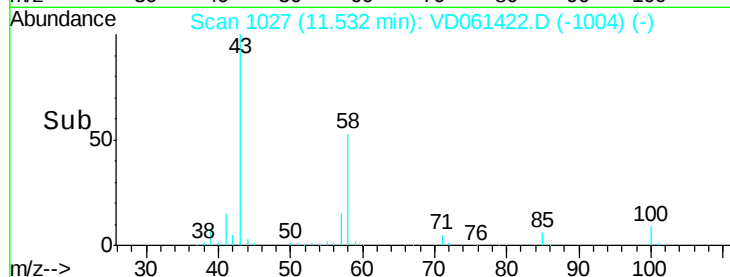
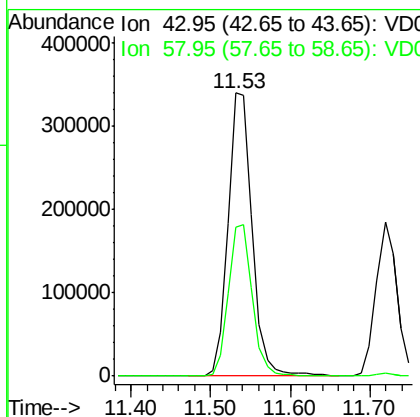
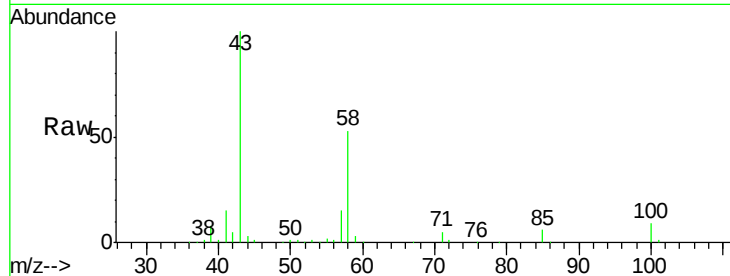
#59
2-Hexanone
Concen: 253.598 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 721992
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9

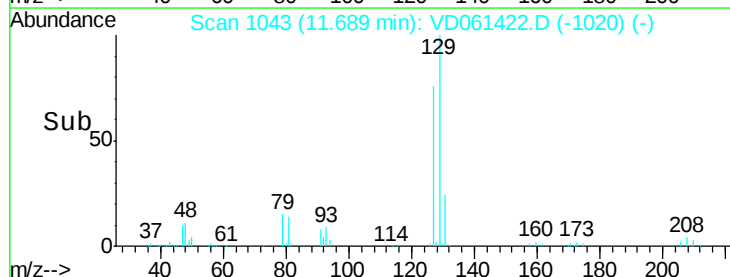
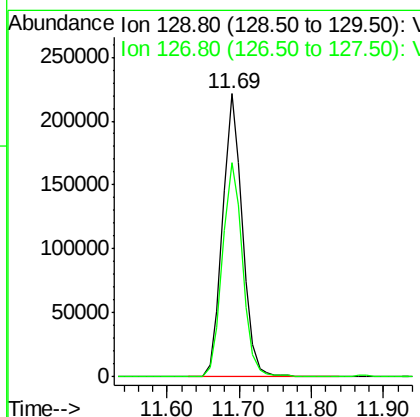
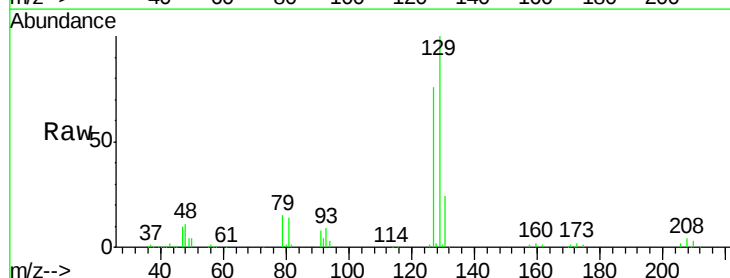
Manual Integrations
APPROVED

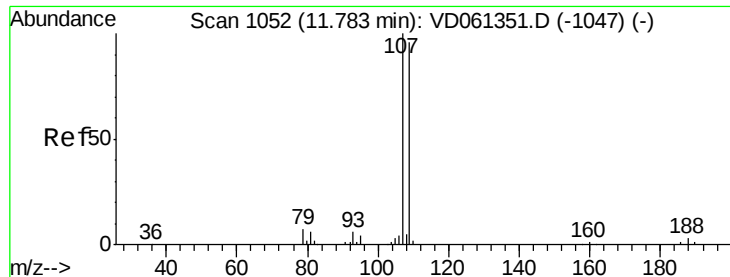
MMDadoda
4/1/2019 4:05:14 AM



#60
Dibromochloromethane
Concen: 49.100 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 129 Resp: 420693
Ion Ratio Lower Upper
129 100
127 75.7 39.0 116.9





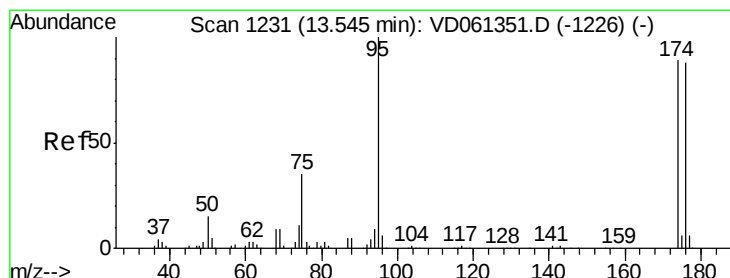
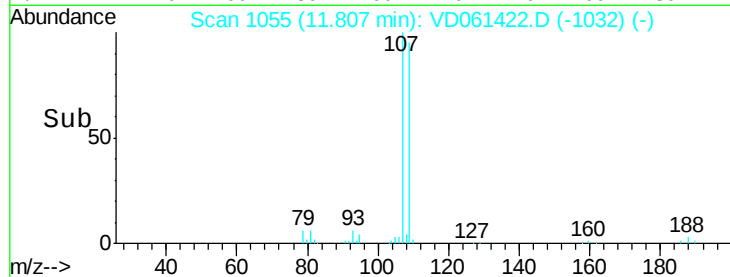
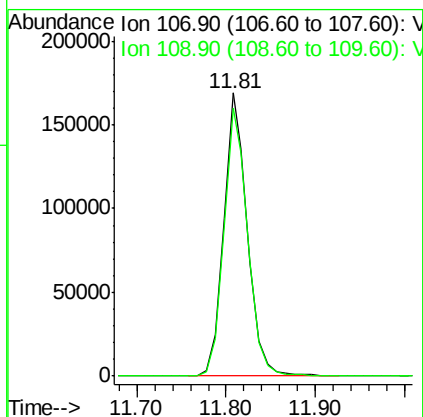
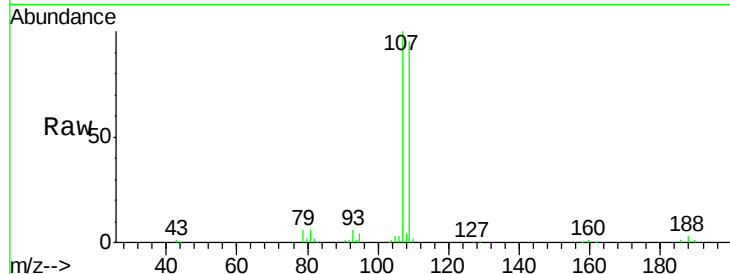
#61
 1,2-Dibromoethane
 Concen: 48.649 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	313091		
109	94.7	76.6	114.8	

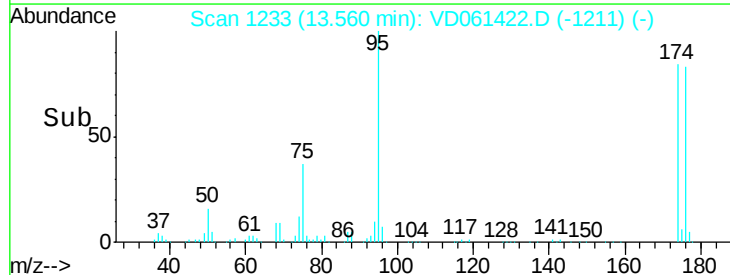
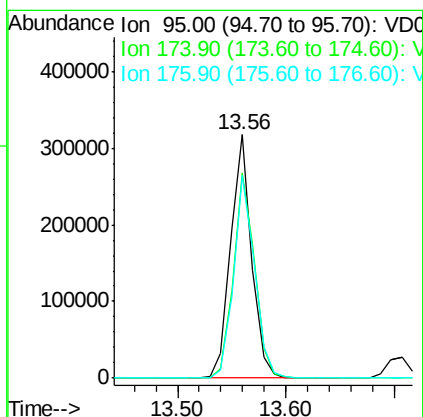
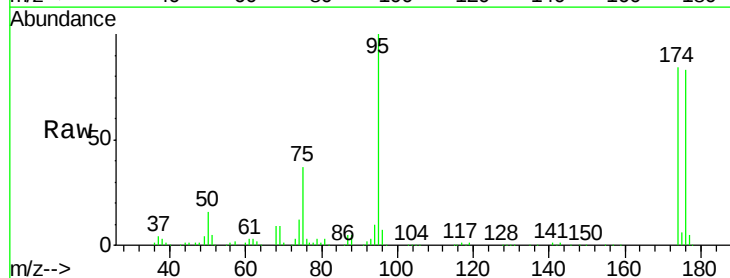
Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:05:14 AM



#62
 4-Bromofluorobenzene
 Concen: 48.649 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	427760		
174	84.2	0.0	178.0	
176	83.3	0.0	175.0	





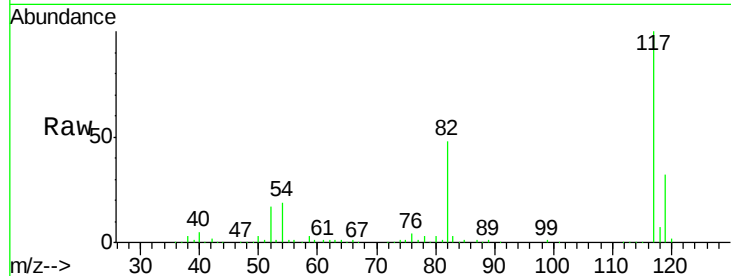
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

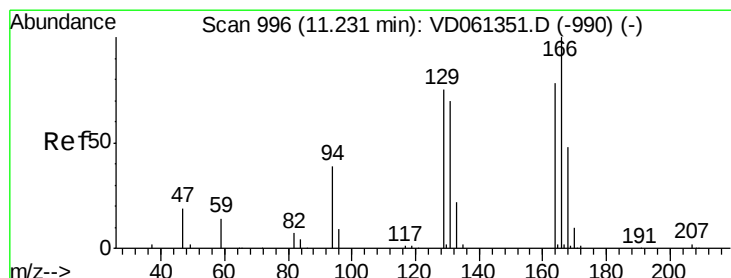
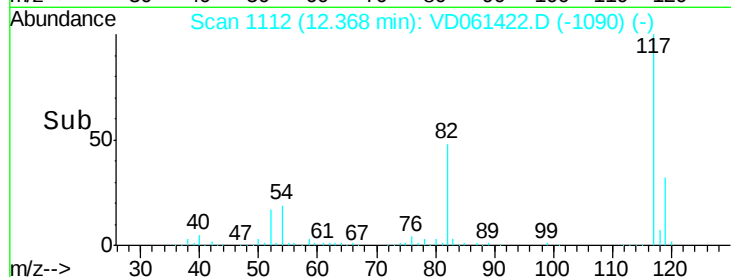
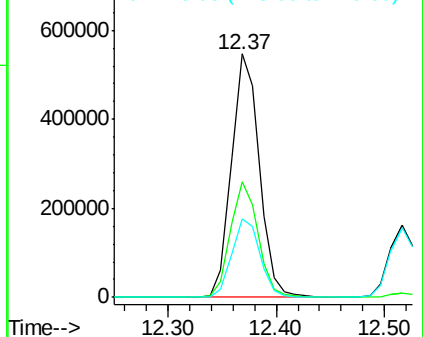
Tot Ion	Ratio	Lower	Upper
117	100		
82	47.6	34.4	51.6
119	32.5	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



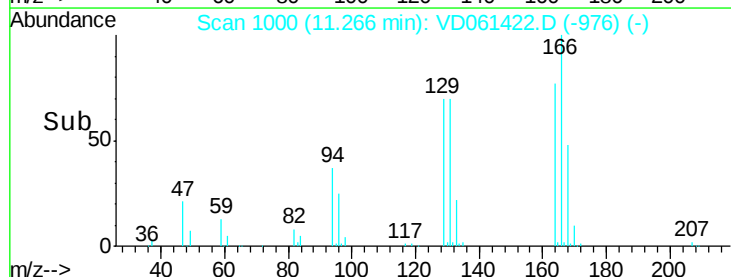
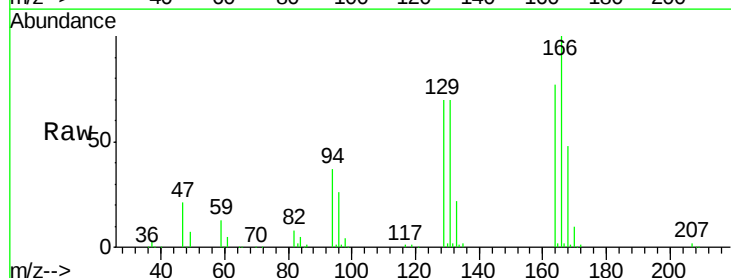
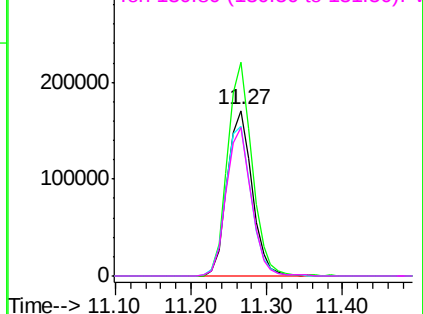
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

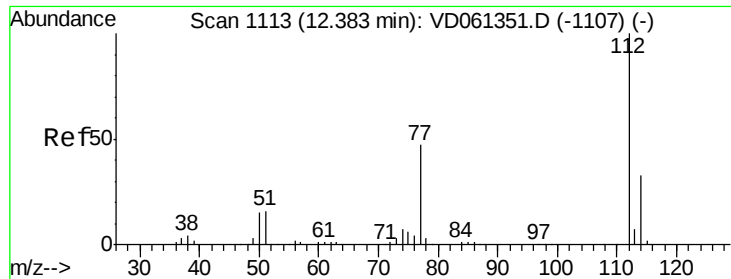


#64
Tetrachloroethene
Concen: 50.406 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.4	153.6
129	90.5	76.8	115.2
131	89.8	71.8	107.6

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





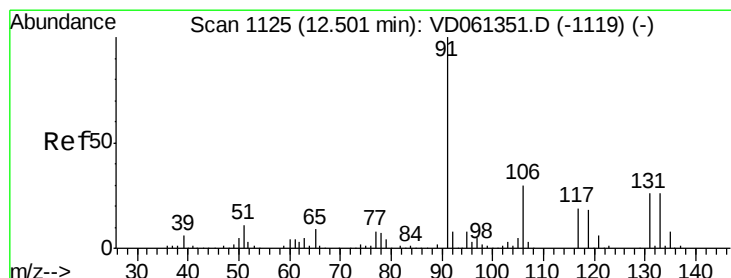
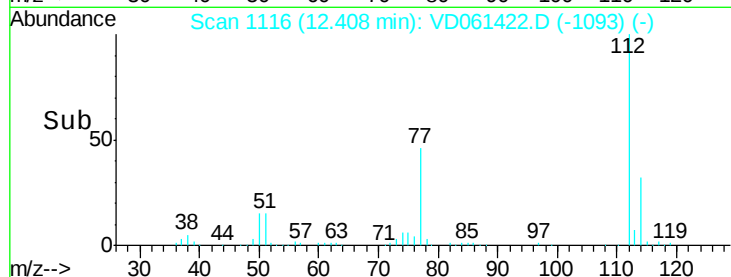
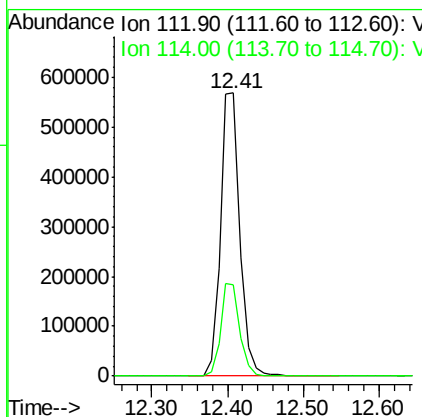
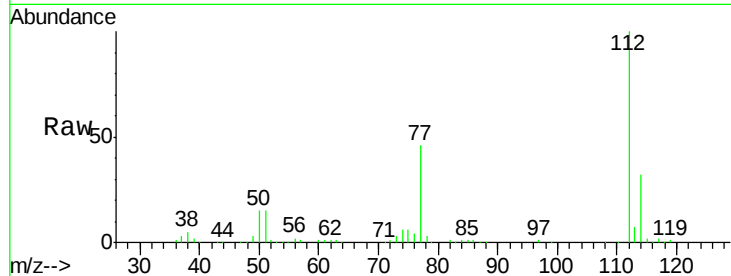
#65
Chlorobenzene
Concen: 50.584 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1012745
Ion Ratio Lower Upper
112 100
114 32.5 26.6 39.8

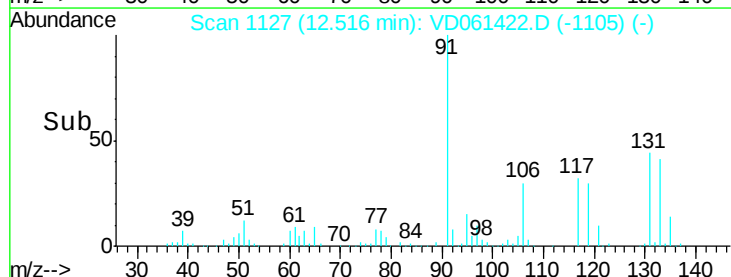
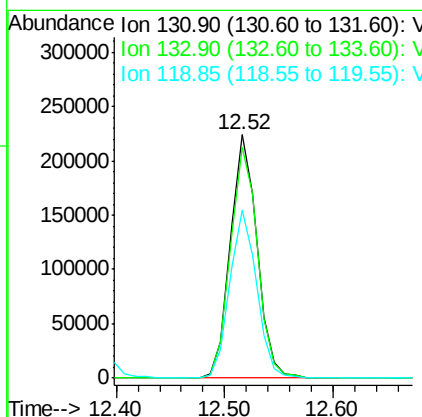
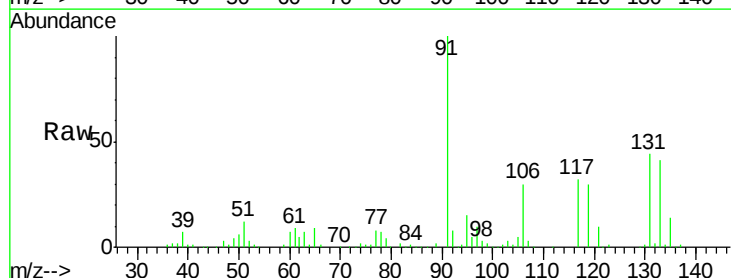
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.593 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:131 Resp: 384438
Ion Ratio Lower Upper
131 100
133 95.0 49.4 148.2
119 69.1 34.1 102.2





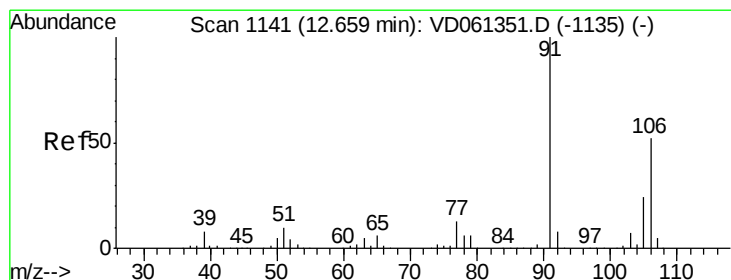
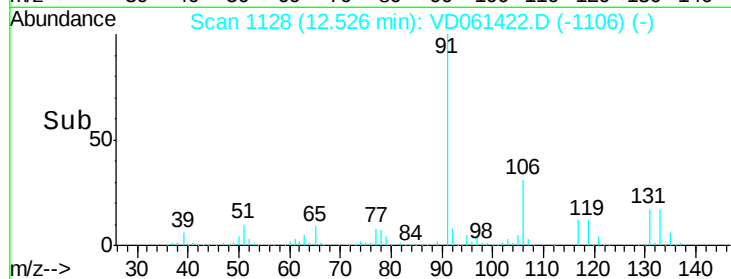
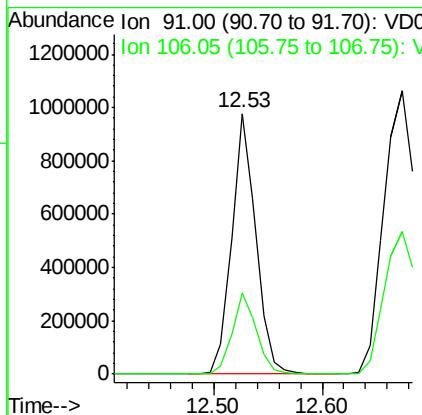
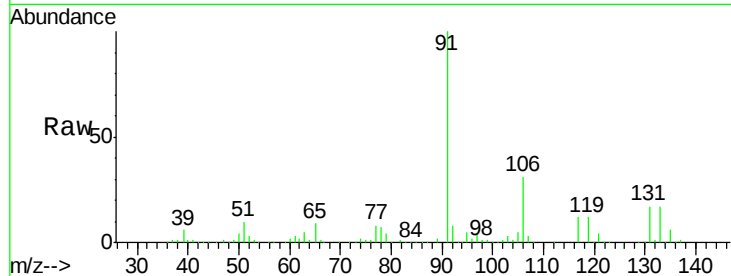
#67
Ethyl Benzene
Concen: 49.719 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1519383
Ion Ratio Lower Upper
91 100
106 31.3 26.1 39.1

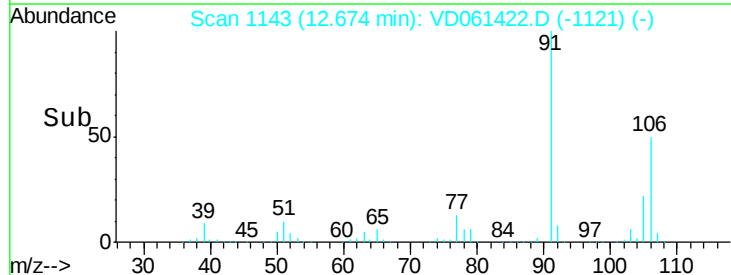
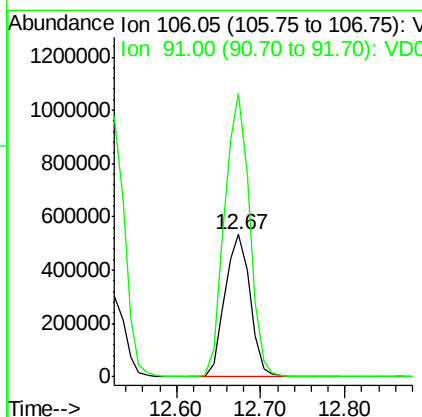
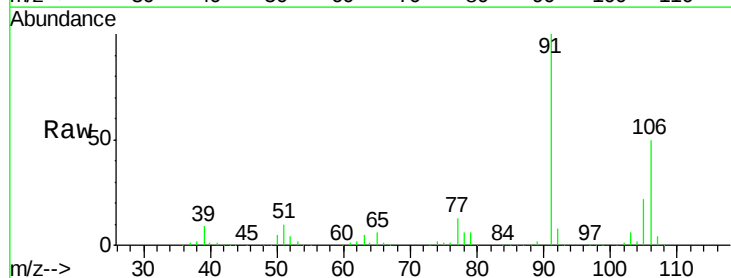
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#68
m/p-Xylenes
Concen: 95.856 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:106 Resp: 1109623
Ion Ratio Lower Upper
106 100
91 199.4 153.1 229.7





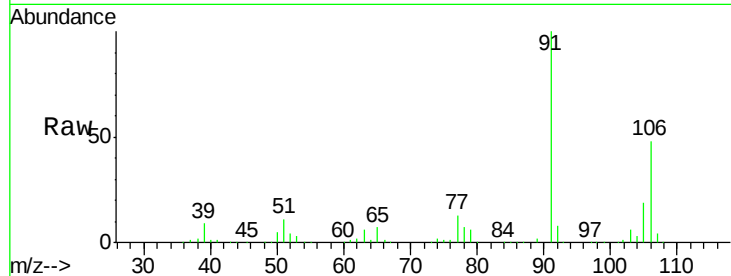
#69
o-Xylene
Concen: 48.213 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

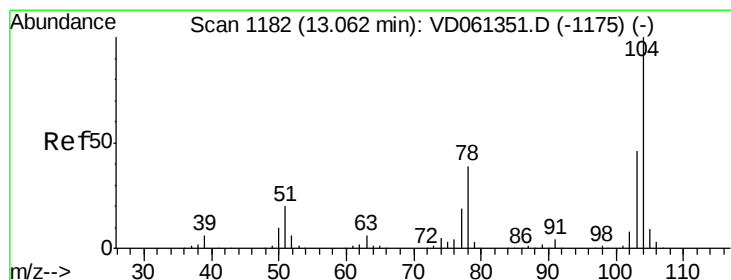
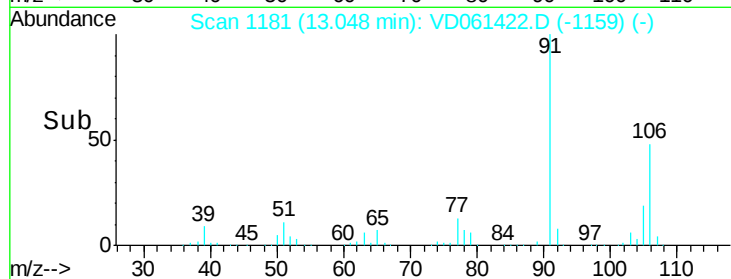
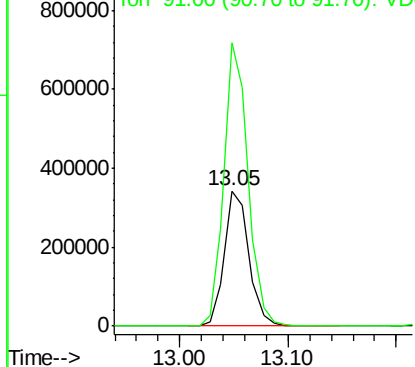
Tot Ion:106 Resp: 541599
Ion Ratio Lower Upper
106 100
91 209.8 103.8 311.3

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM

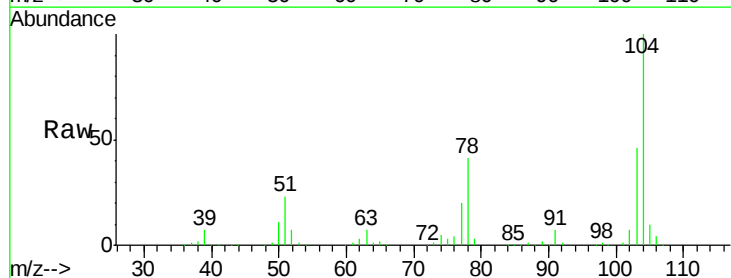


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

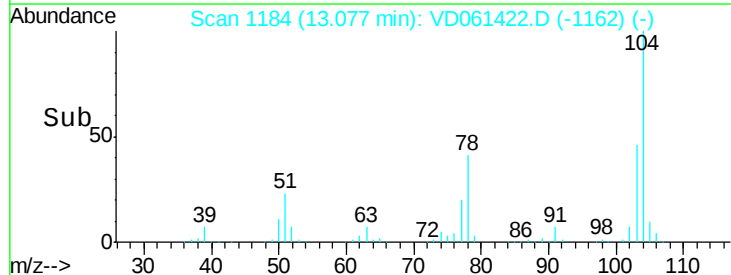
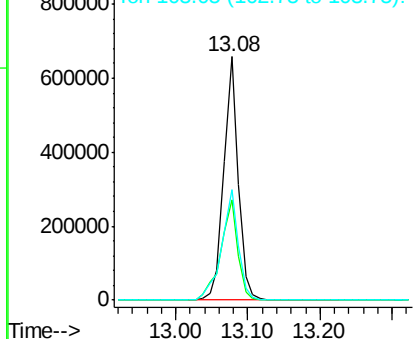


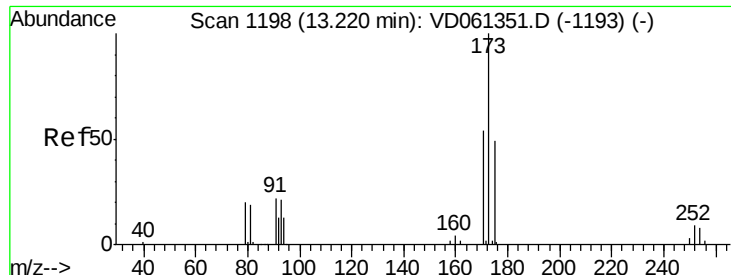
#70
Styrene
Concen: 46.680 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:104 Resp: 914100
Ion Ratio Lower Upper
104 100
78 41.2 31.0 46.6
103 45.5 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 46.776 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 229858

Ion Ratio Lower Upper

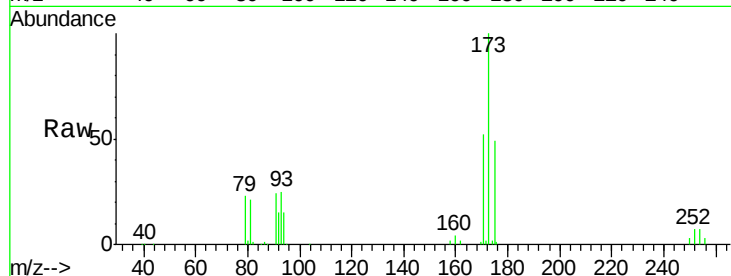
173 100

175 49.5 24.6 73.8

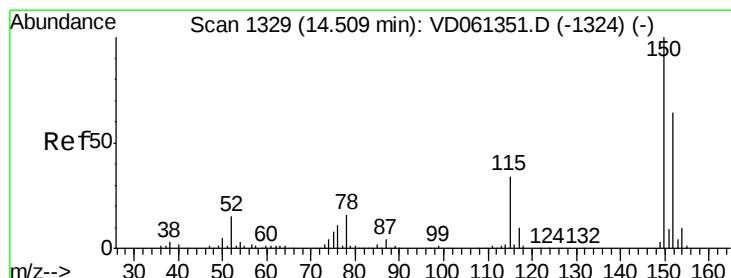
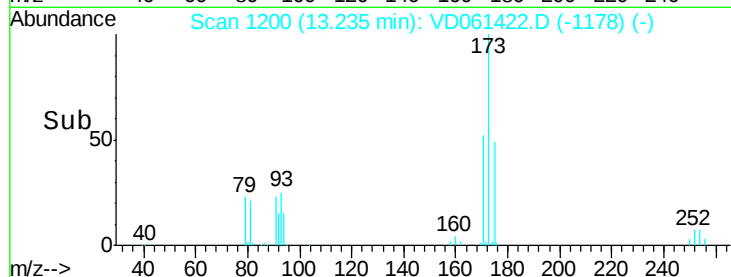
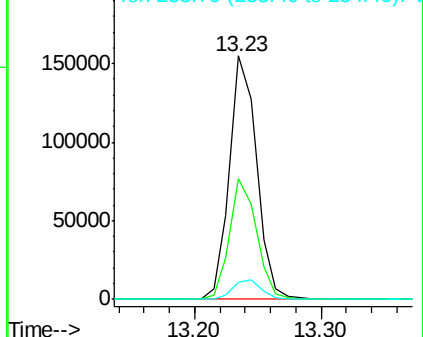
254 7.0 6.6 10.0

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

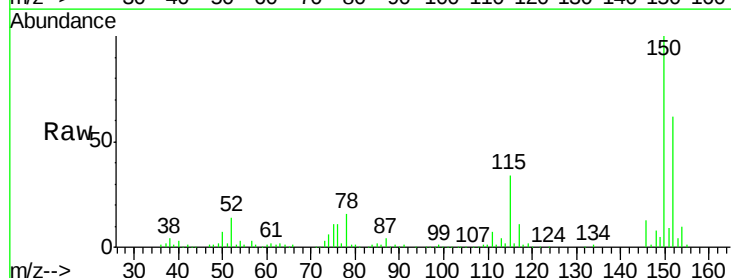
Tgt Ion:152 Resp: 447722

Ion Ratio Lower Upper

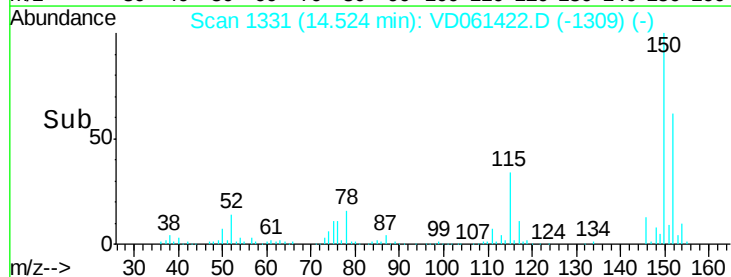
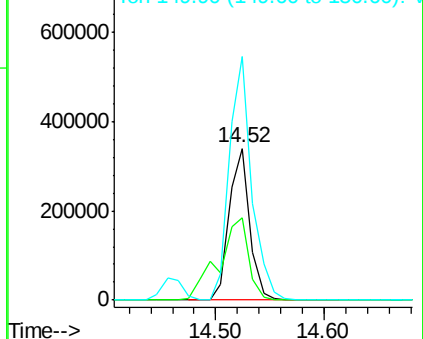
152 100

115 54.2 26.9 80.6

150 160.1 0.0 318.0



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: 47.185 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1470338

Ion Ratio Lower Upper

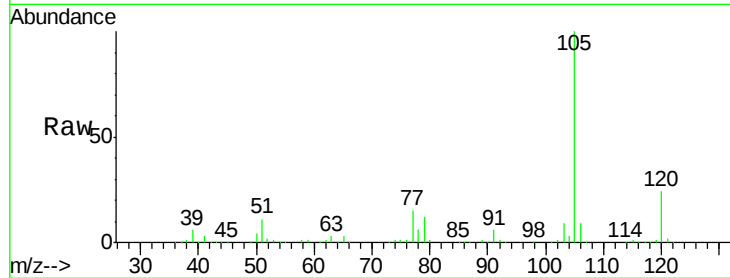
105 100

120 24.0 12.8 38.3

Manual Integrations
APPROVED

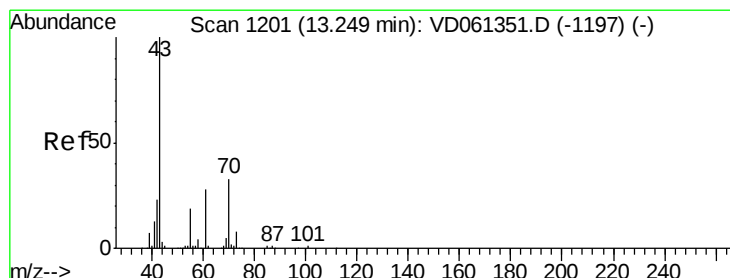
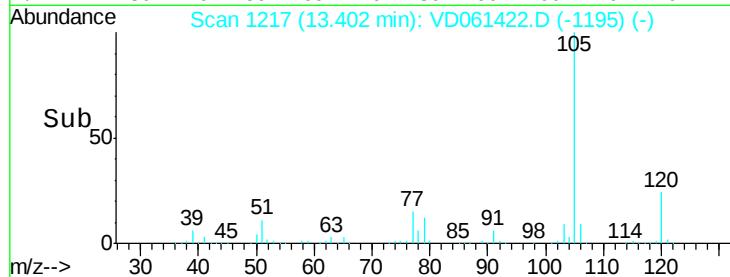
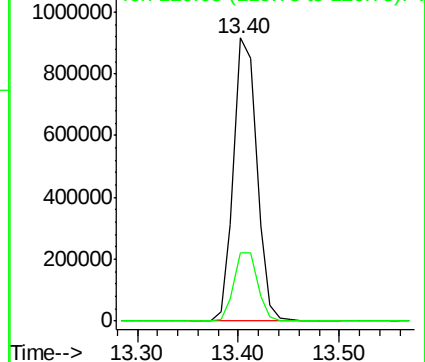
MMDadoda

4/1/2019 4:05:14 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 38.908 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion: 43 Resp: 337744

Ion Ratio Lower Upper

43 100

70 27.7 26.6 40.0

55 18.4 15.4 23.2

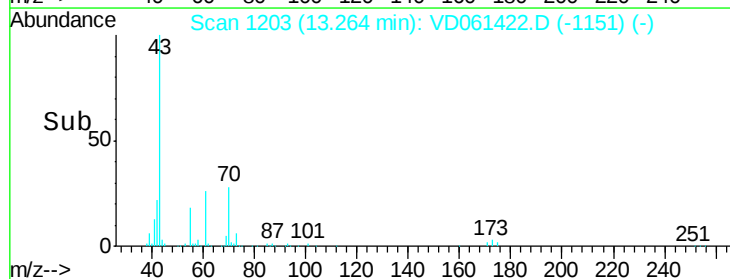
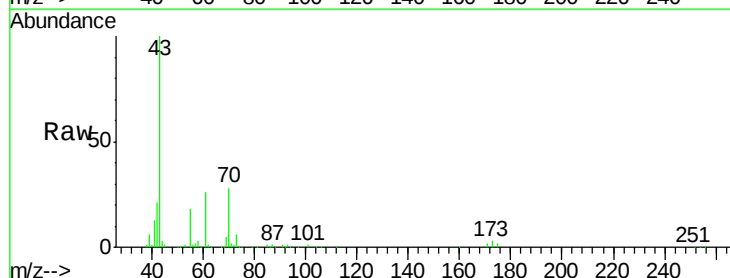
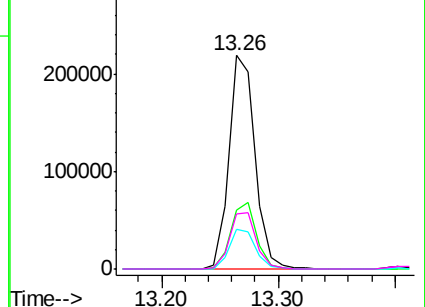
61 25.6 22.2 33.4

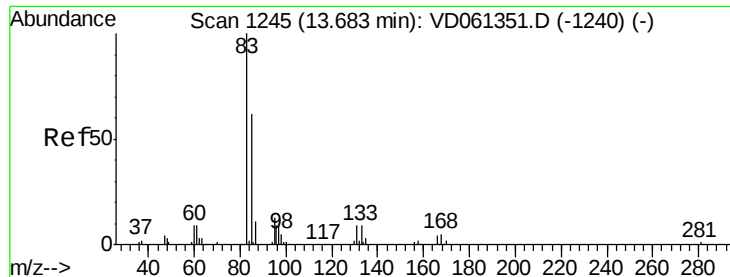
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 44.268 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

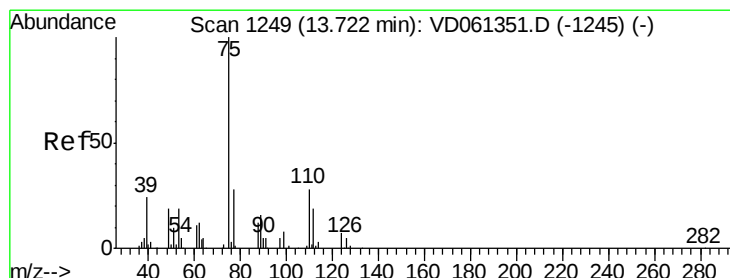
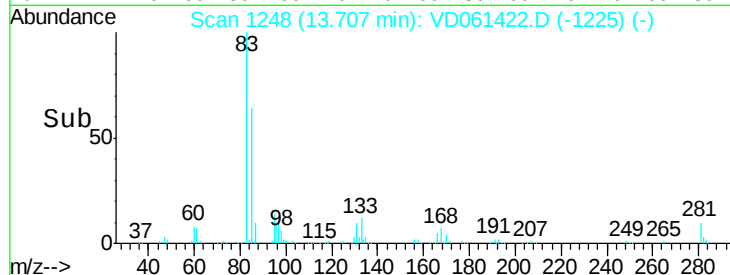
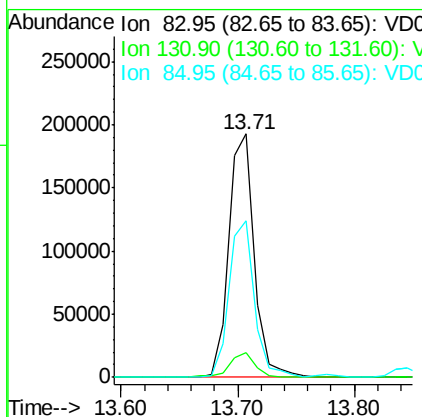
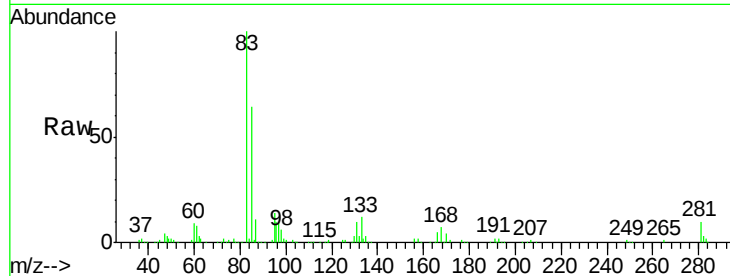
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	290990
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.3	13.1
85	64.3	31.2	93.6

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#76

1,2,3-Trichloropropane

Concen: 43.214 ug/l

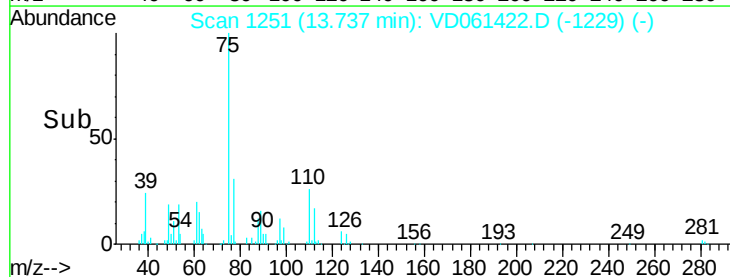
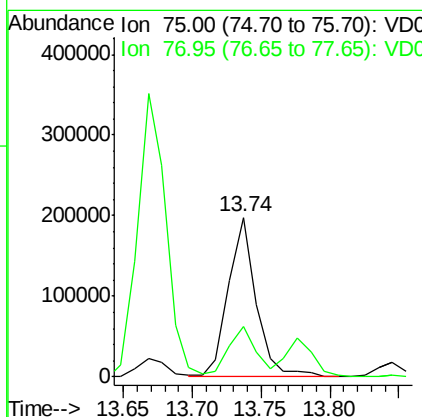
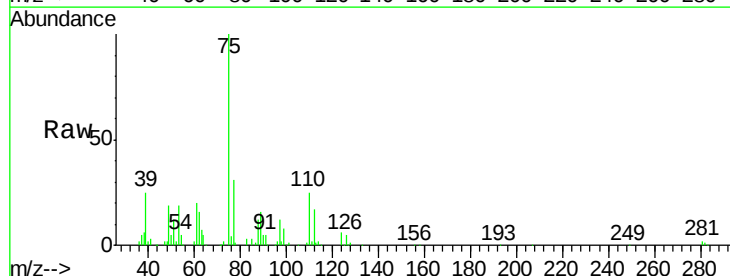
RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion:	75	Resp:	279484
Ion Ratio	Lower	Upper	
75	100		
77	31.4	16.2	48.5





#77

Bromobenzene

Concen: 44.343 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 409635

Ion Ratio Lower Upper

156 100

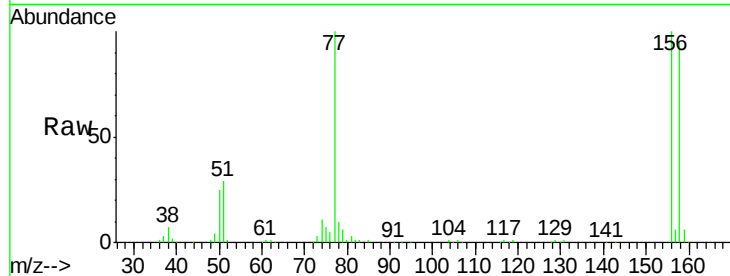
77 99.7 68.5 205.6

158 95.1 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

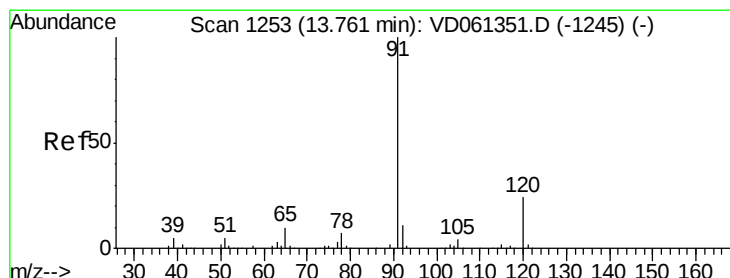
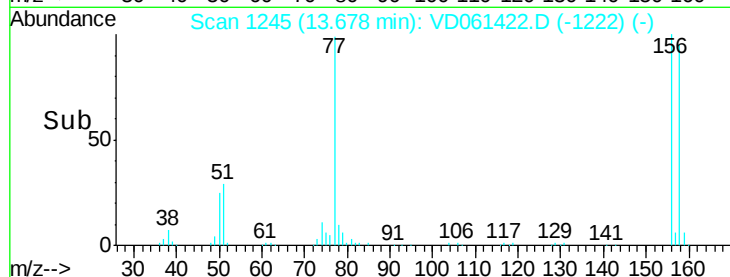
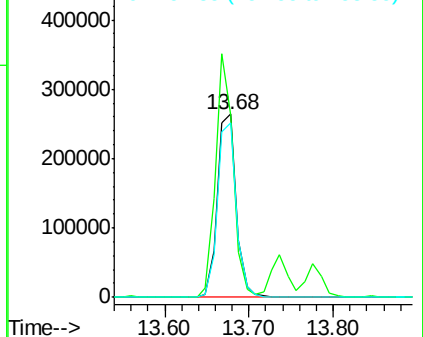
4/1/2019 4:05:14 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.110 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061422.D

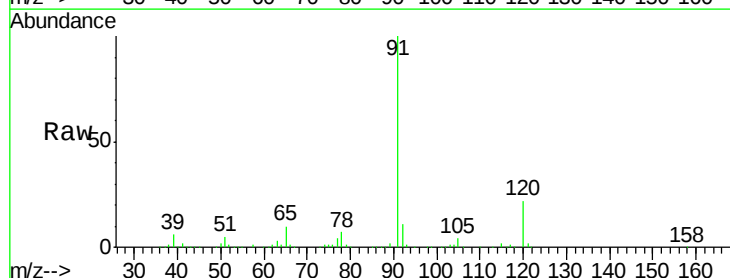
Acq: 29 Mar 2019 11:18

Tgt Ion: 91 Resp: 1796480

Ion Ratio Lower Upper

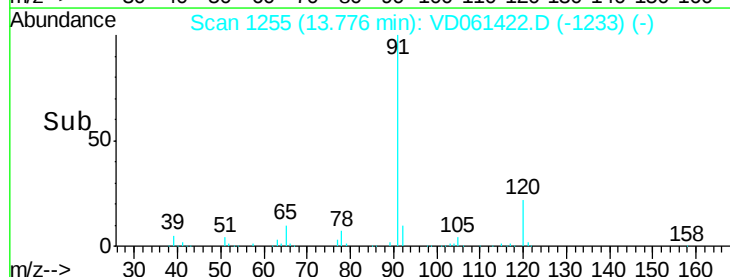
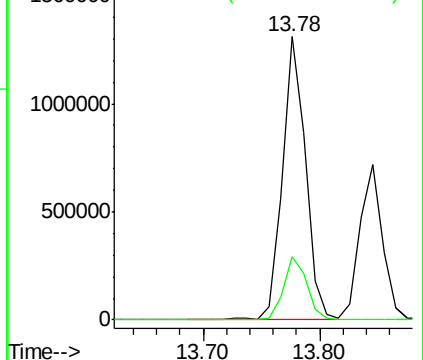
91 100

120 22.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 46.606 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 965005

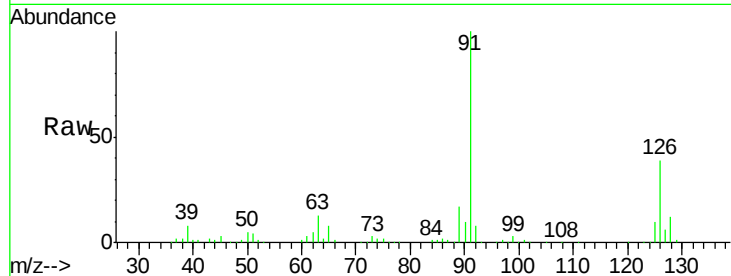
Ion Ratio Lower Upper

91 100

126 38.6 19.4 58.2

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

1500000

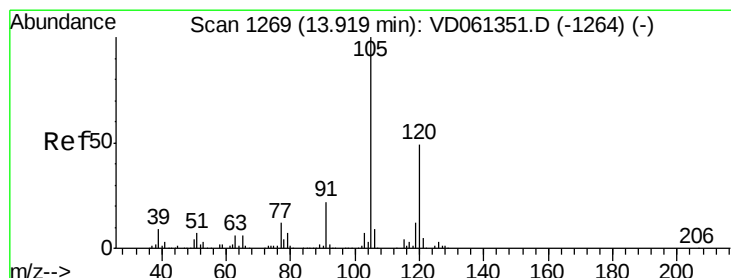
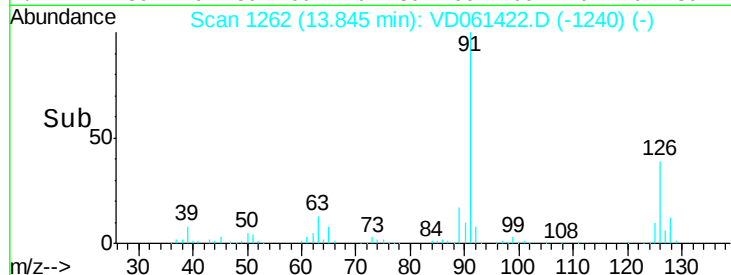
1000000

500000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.663 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061422.D

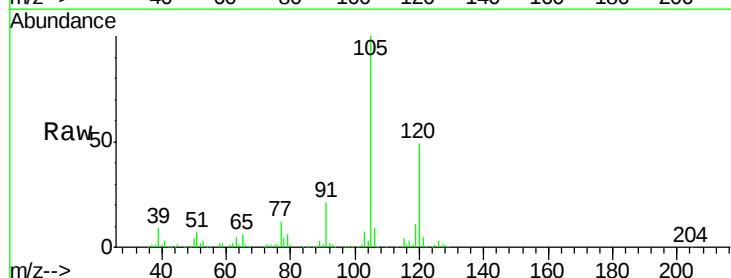
Acq: 29 Mar 2019 11:18

Tgt Ion:105 Resp: 1273248

Ion Ratio Lower Upper

105 100

120 48.8 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)

1000000

800000

600000

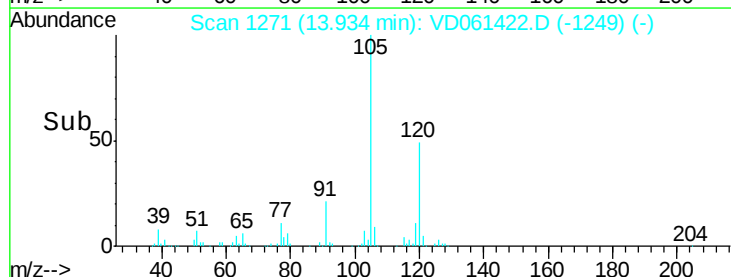
400000

200000

0

13.90 13.93 14.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.931 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

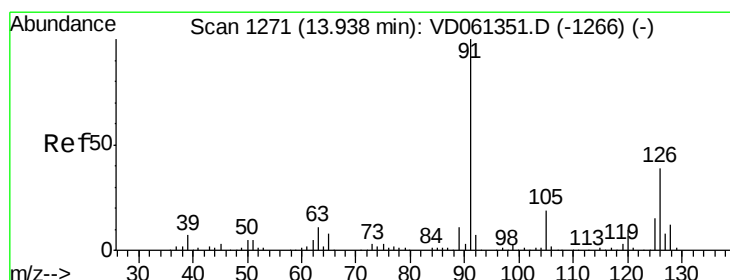
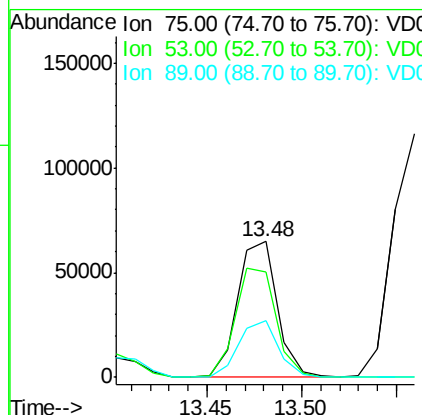
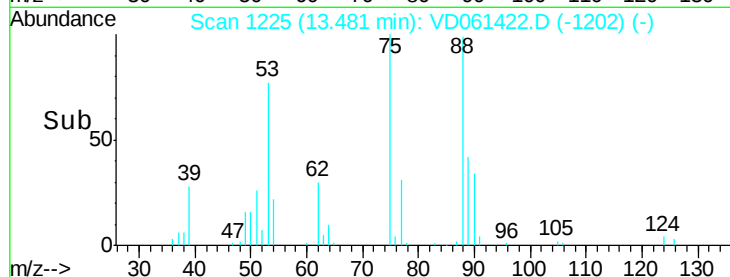
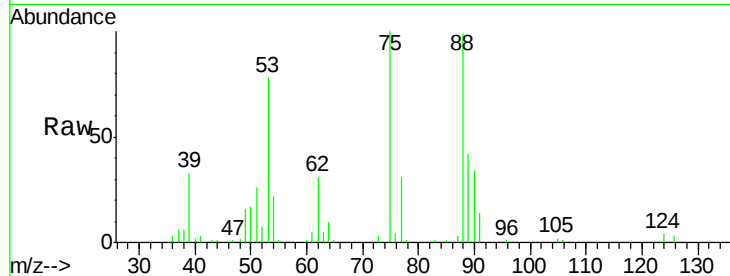
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	94516
Ion	Ratio	Lower	Upper
75	100		
53	78.0	63.8	95.8
89	42.0	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#82

4-Chlorotoluene

Concen: 52.354 ug/l

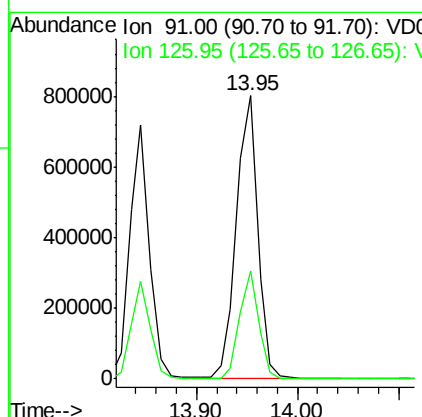
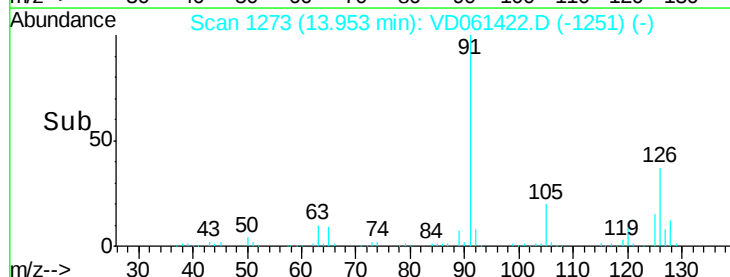
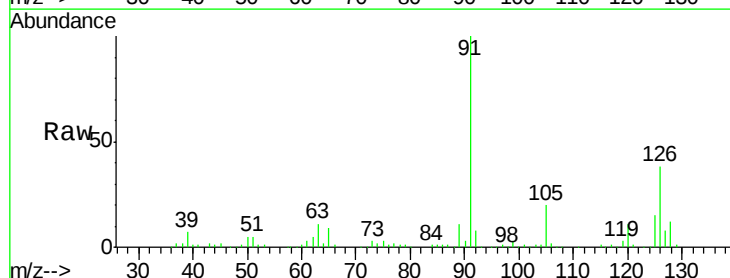
RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion:	91	Resp:	1178704
Ion	Ratio	Lower	Upper
91	100		
126	38.0	19.6	58.8





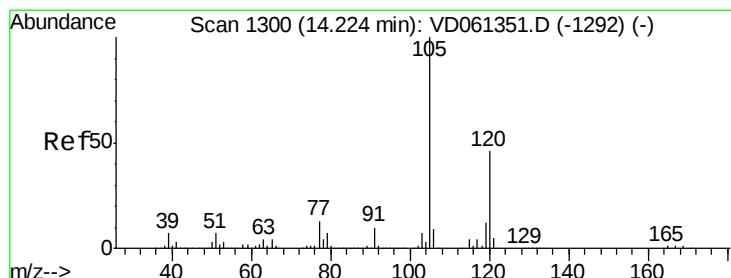
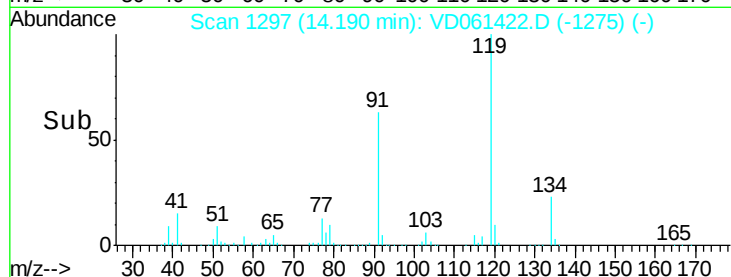
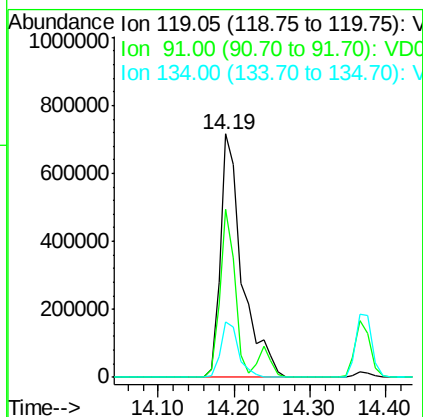
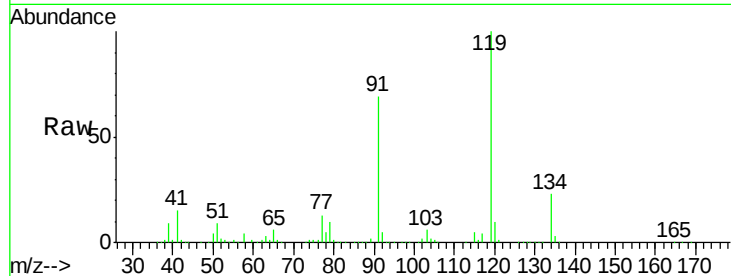
#83
tert-Butylbenzene
Concen: 47.596 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1438126
Ion Ratio Lower Upper
119 100
91 68.8 34.1 102.3
134 22.9 11.6 34.8

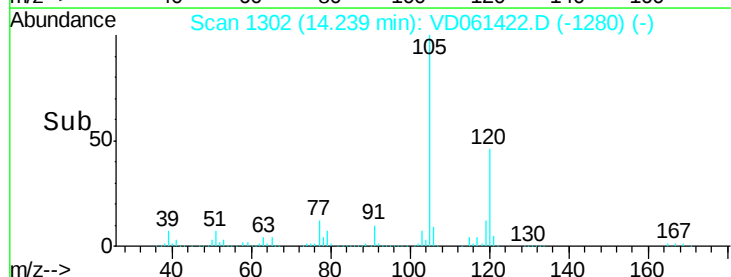
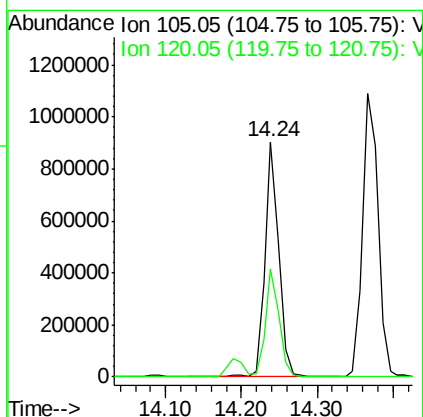
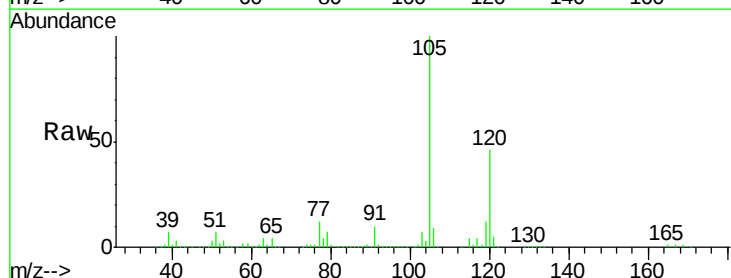
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#84
1,2,4-Trimethylbenzene
Concen: 44.258 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:105 Resp: 1158461
Ion Ratio Lower Upper
105 100
120 46.0 22.8 68.4





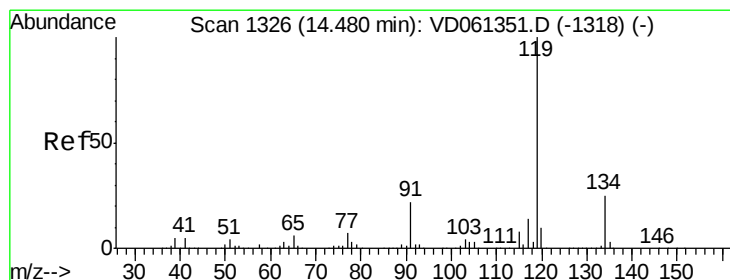
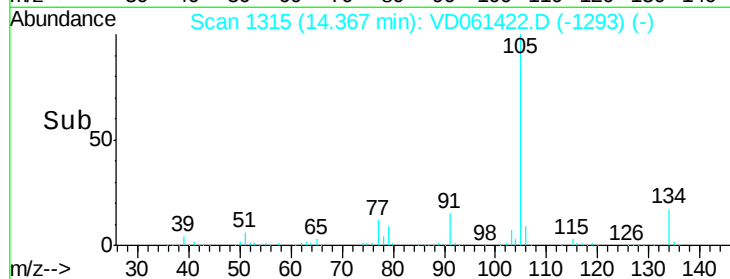
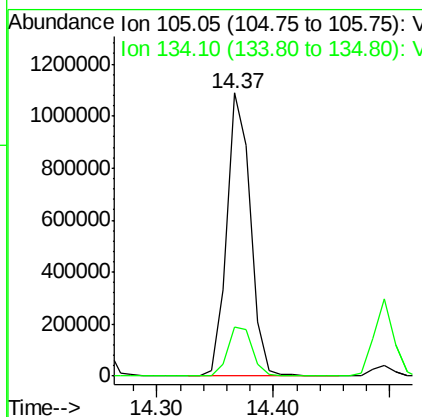
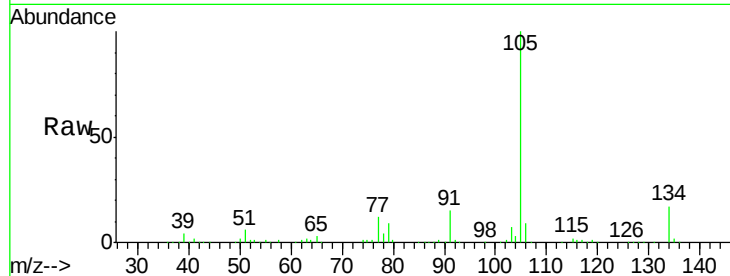
#85
 sec-Butylbenzene
 Concen: 47.291 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1517988
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.7 26.1

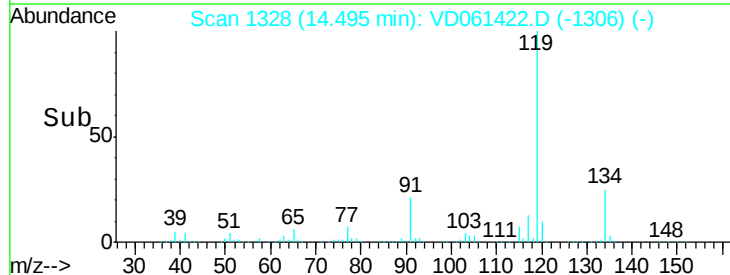
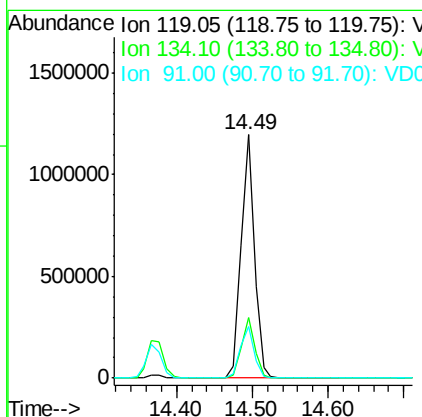
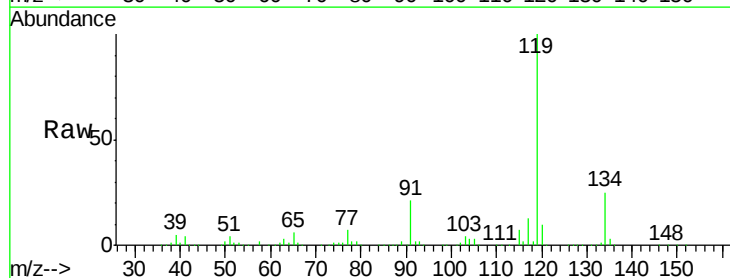
Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:05:14 AM



#86
 p-Isopropyltoluene
 Concen: 52.925 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion:119 Resp: 1436535
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.3 36.8
 91 21.2 11.1 33.1





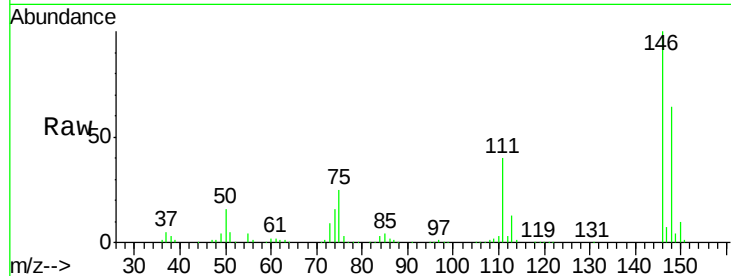
#87
 1,3-Dichlorobenzene
 Concen: 44.817 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

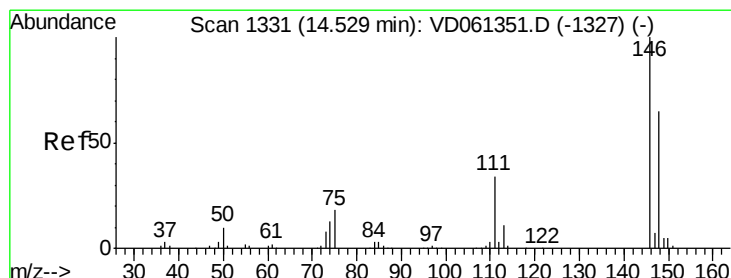
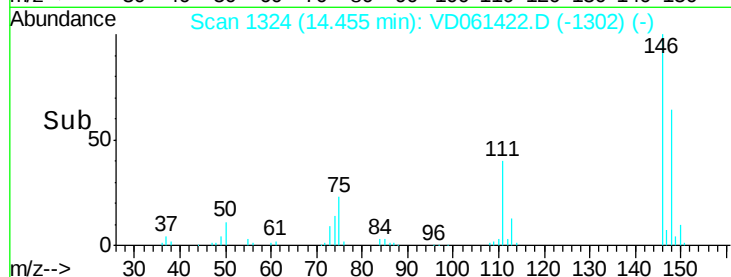
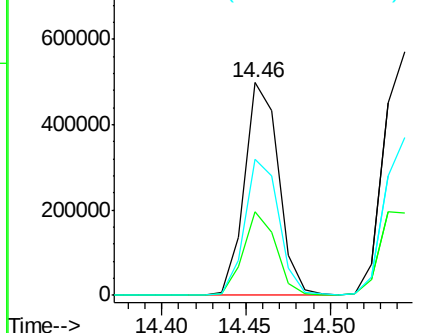
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.6	61.9
148	64.1	31.1	93.3

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:05:14 AM

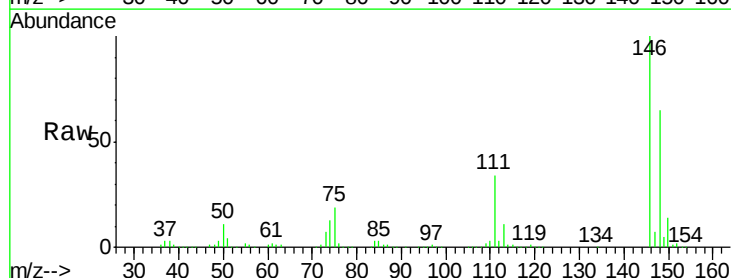


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

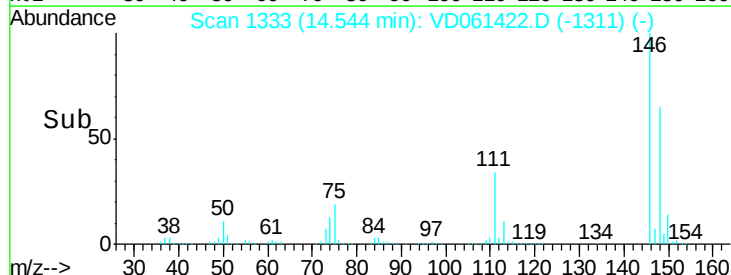
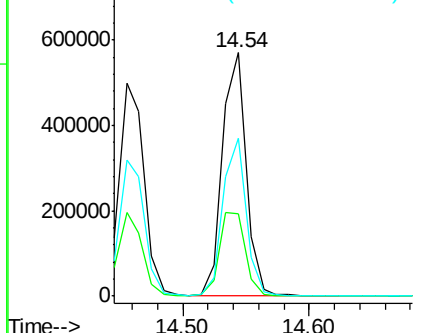


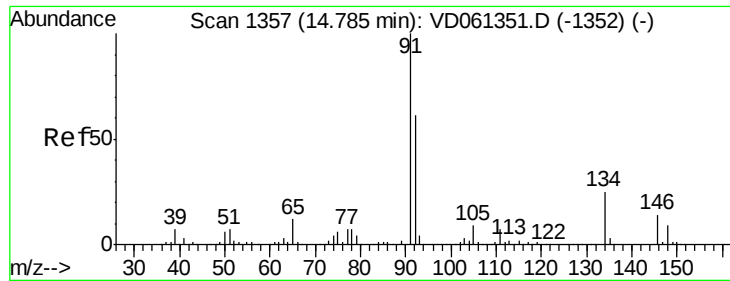
#88
 1,4-Dichlorobenzene
 Concen: 48.724 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	16.8	50.4
148	64.8	32.6	98.0



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





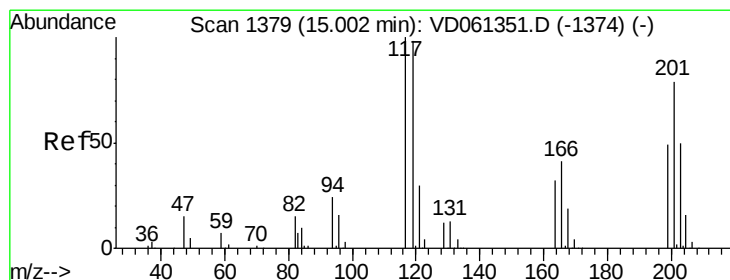
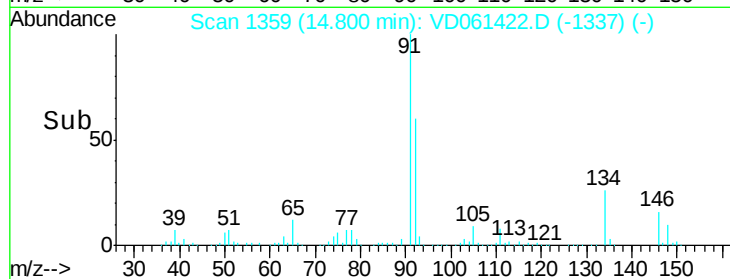
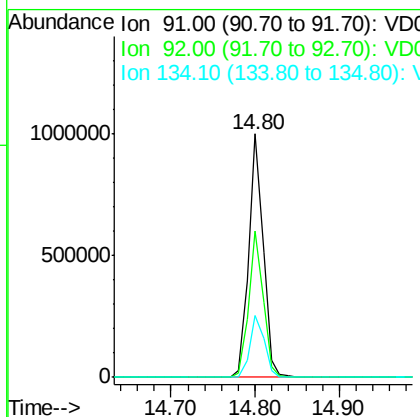
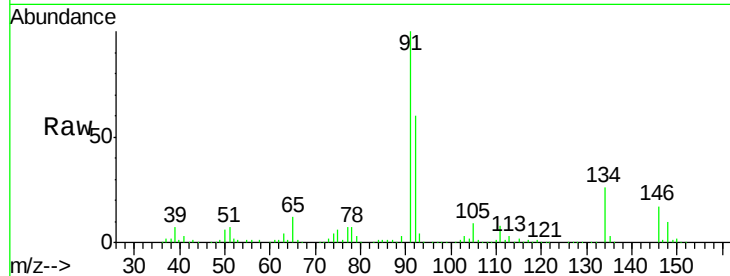
#89
n-Butylbenzene
Concen: 48.086 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1197946
Ion Ratio Lower Upper
91 100
92 60.2 30.3 91.0
134 25.6 12.4 37.0

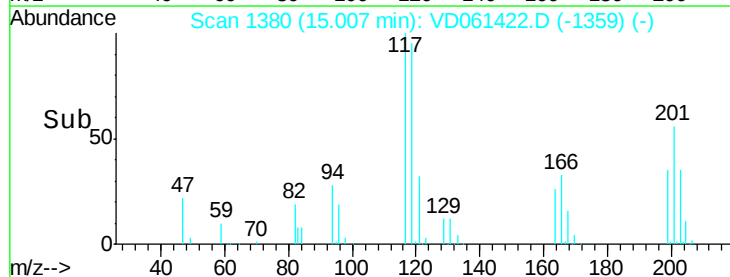
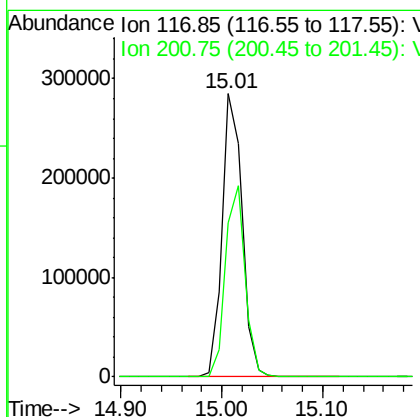
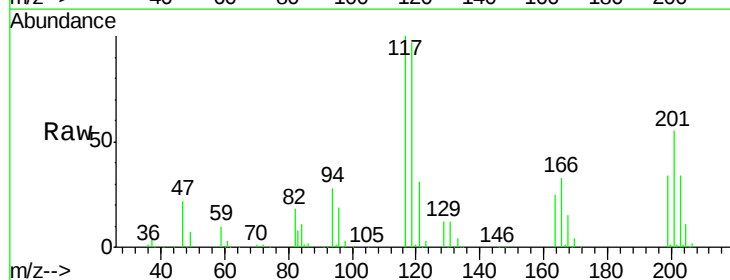
Manual Integrations
APPROVED

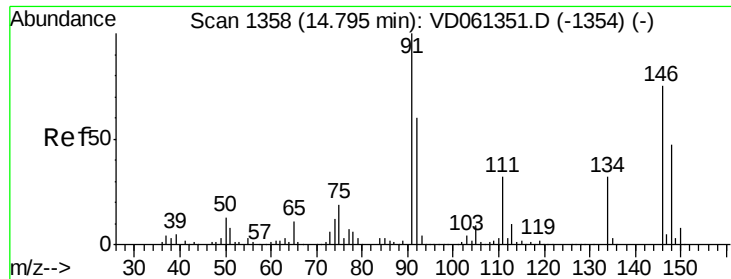
MMDadoda
4/1/2019 4:05:14 AM



#90
Hexachloroethane
Concen: 51.653 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 117 Resp: 396078
Ion Ratio Lower Upper
117 100
201 54.6 39.6 119.0





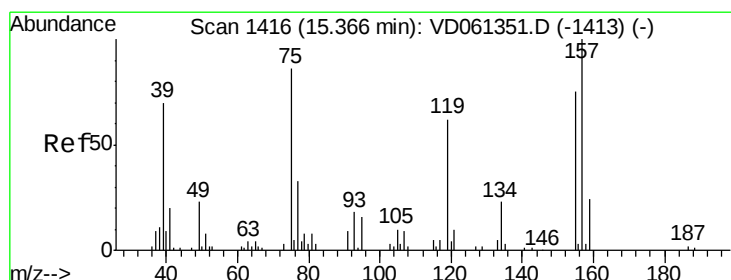
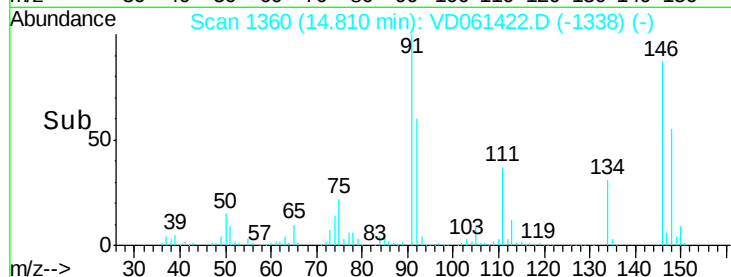
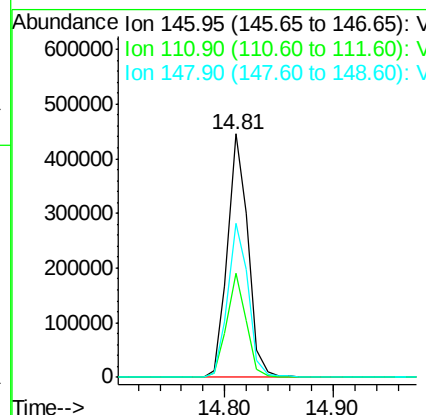
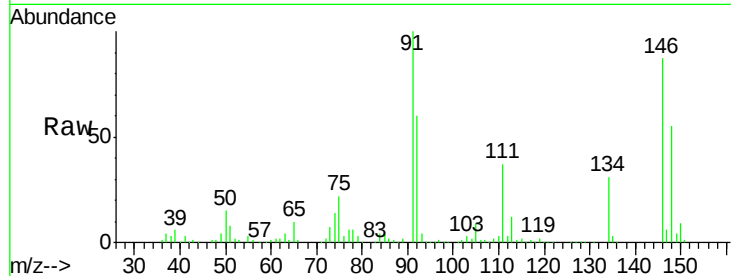
#91
 1,2-Dichlorobenzene
 Concen: 45.591 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.3	31.6	95.0

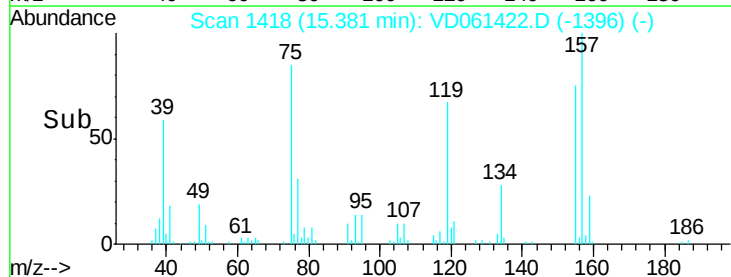
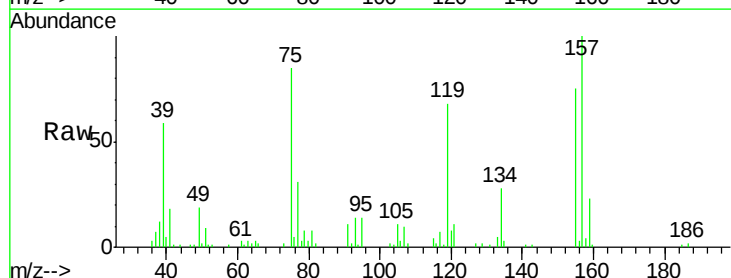
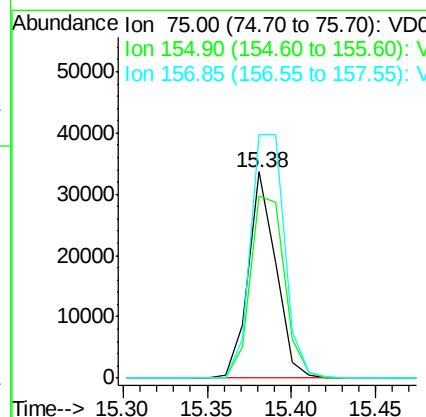
Manual Integrations
 APPROVED

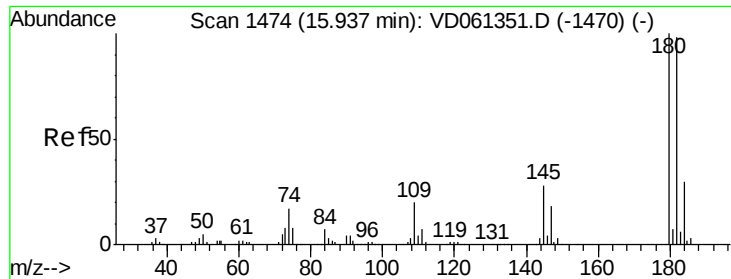
MMDadoda
 4/1/2019 4:05:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.782 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	43.6	130.9
157	118.1	58.5	175.3





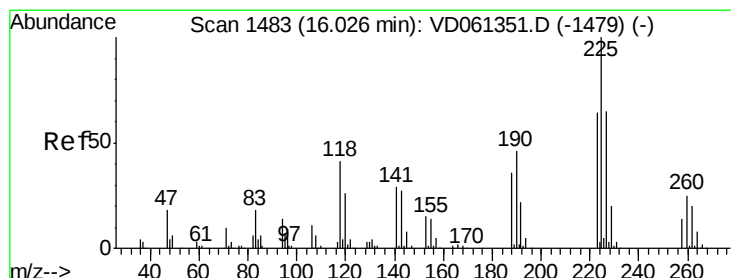
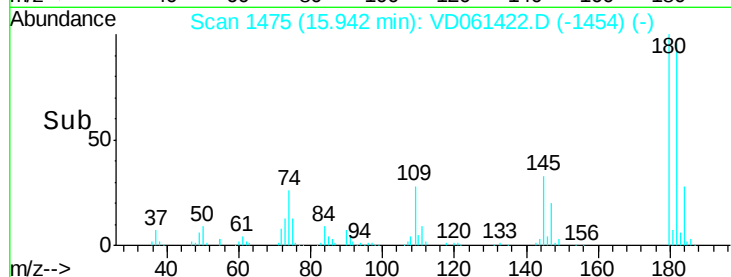
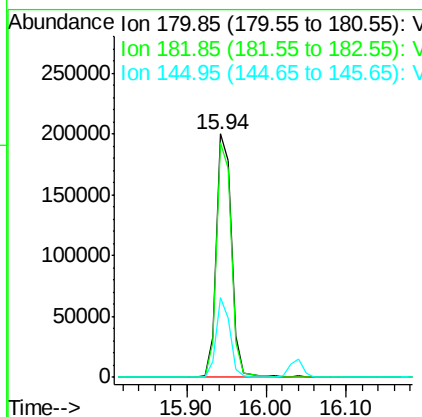
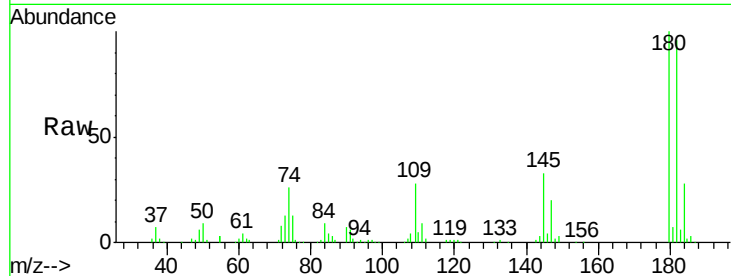
#93
 1,2,4-Trichlorobenzene
 Concen: 46.597 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	272369		
182	96.5	48.9	146.8	
145	32.6	14.1	42.3	

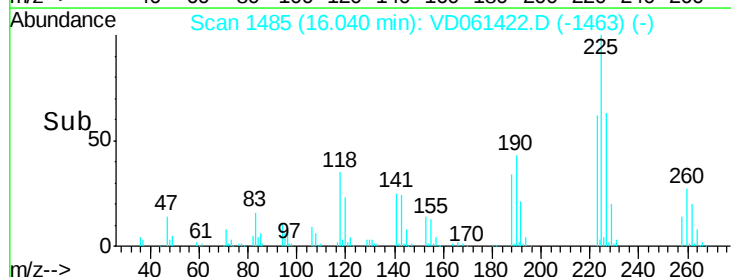
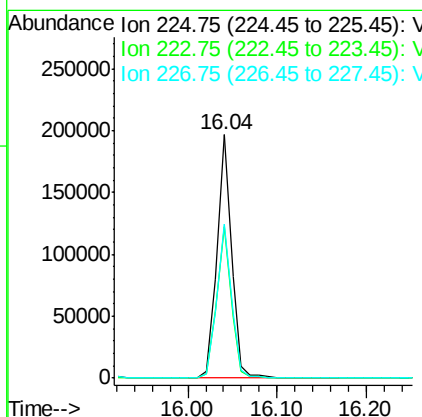
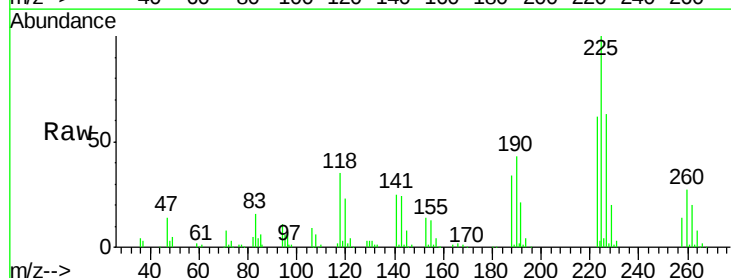
Manual Integrations
 APPROVED

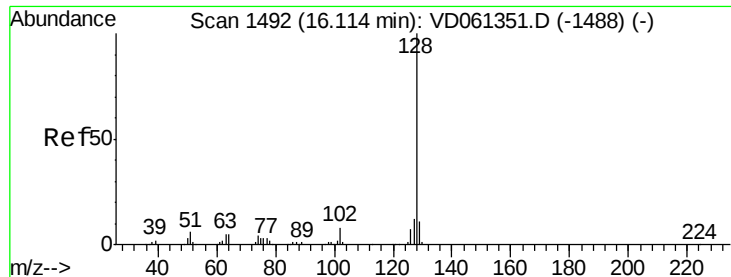
MMDadoda
 4/1/2019 4:05:14 AM



#94
 Hexachlorobutadiene
 Concen: 49.566 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	226396		
223	62.1	32.0	96.0	
227	63.3	32.4	97.2	





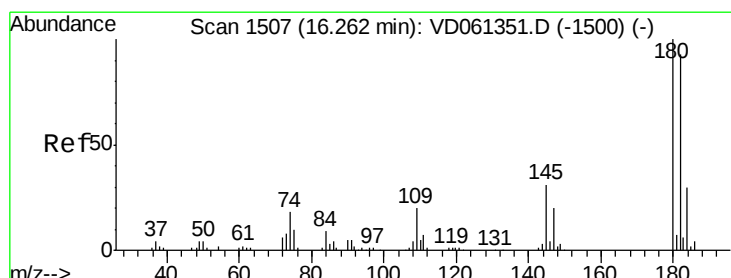
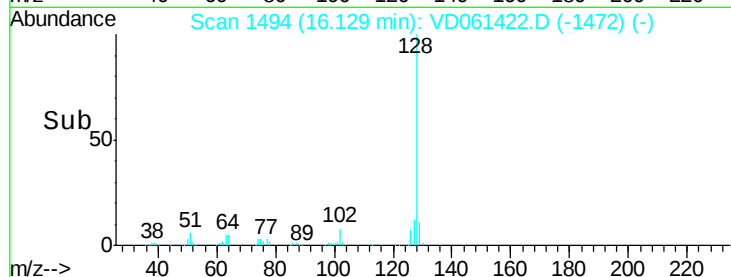
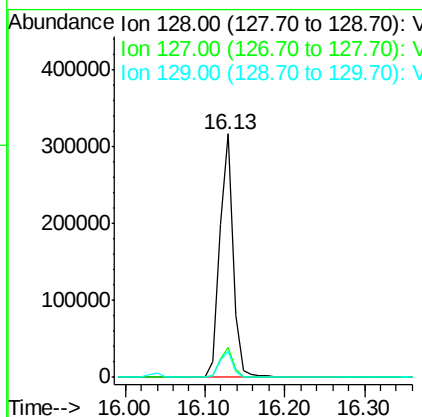
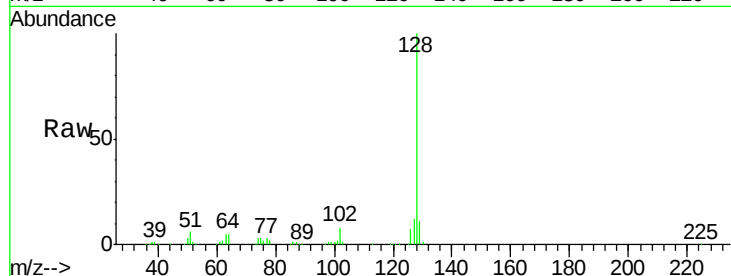
#95
Naphthalene
Concen: 42.382 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	377609		
127	12.1		9.9	14.9
129	10.5		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:05:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.087 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118542		
182	97.2		46.4	139.1
145	27.5		15.3	45.9

