

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066334.D
 Acq On : 20 Aug 2020 00:31
 Operator : VA/SY
 Sample : VD0819SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:37:05 PM

Quant Time: Aug 20 08:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	208621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	315799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	289238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	111474	59.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.78%	
35) Dibromofluoromethane	7.91	113	107985	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.34	98	382704	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.63	95	138931	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39323	21.394	ug/l	99
3) Chloromethane	2.20	50	29102	20.354	ug/l	92
4) Vinyl Chloride	2.35	62	28133	22.225	ug/l	96
5) Bromomethane	2.76	94	21514	25.617	ug/l	89
6) Chloroethane	2.92	64	17806	22.916	ug/l	97
7) Trichlorofluoromethane	3.27	101	71901	21.787	ug/l	91
8) Diethyl Ether	3.70	74	17959	19.286	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	39045	19.936	ug/l	98
10) Methyl Iodide	4.30	142	42457	27.326	ug/l	93
11) Tert butyl alcohol	5.19	59	16707	96.957	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	37173	20.120	ug/l	95
13) Acrolein	3.92	56	7403	49.970	ug/l	99
14) Allyl chloride	4.71	41	53794	19.219	ug/l	95
15) Acrylonitrile	5.42	53	38429	97.936	ug/l	96
16) Acetone	4.16	43	29710	84.128	ug/l	89
17) Carbon Disulfide	4.40	76	107733	18.339	ug/l	98
18) Methyl Acetate	4.71	43	18381	20.491	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	87038	20.553	ug/l	97
20) Methylene Chloride	4.97	84	71250	33.601	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	42391	19.973	ug/l	93
22) Diisopropyl ether	6.36	45	108049	19.521	ug/l	96
23) Vinyl Acetate	6.31	43	303432	93.574	ug/l	97
24) 1,1-Dichloroethane	6.27	63	71381	20.838	ug/l	95
25) 2-Butanone	7.21	43	45544	87.682	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	63946	20.828	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	47636	21.398	ug/l	98
28) Bromochloromethane	7.54	49	26130	21.719	ug/l	94
29) Tetrahydrofuran	7.56	42	29356	91.220	ug/l	98
30) Chloroform	7.71	83	79245	22.032	ug/l	94
31) Cyclohexane	7.98	56	58344	17.893	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	76110	22.568	ug/l	97
36) 1,1-Dichloropropene	8.11	75	57947	19.527	ug/l	98
37) Ethyl Acetate	7.29	43	20971	17.836	ug/l	97
38) Carbon Tetrachloride	8.09	117	71441	21.588	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066334.D
 Acq On : 20 Aug 2020 00:31
 Operator : VA/SY
 Sample : VD0819SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0819SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:37:05 PM

Quant Time: Aug 20 08:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	64939	18.102	ug/l	94
40) Benzene	8.35	78	166714	20.251	ug/l	99
41) Methacrylonitrile	7.53	41	14028	20.291	ug/l	97
42) 1,2-Dichloroethane	8.42	62	54273	22.442	ug/l	97
43) Isopropyl Acetate	8.44	43	43378	18.725	ug/l	98
44) Trichloroethene	9.11	130	48656	19.614	ug/l	92
45) 1,2-Dichloropropane	9.38	63	38546	19.145	ug/l	92
46) Dibromomethane	9.47	93	22405	20.202	ug/l	98
47) Bromodichloromethane	9.66	83	61598	21.015	ug/l #	84
48) Methyl methacrylate	9.45	41	20564	17.384	ug/l #	80
49) 1,4-Dioxane	9.46	88	4707	330.358	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	106415	89.427	ug/l	100
52) Toluene	10.40	92	109172	20.154	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	55971	20.121	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	66042	20.264	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	31392	19.658	ug/l	97
56) Ethyl methacrylate	10.66	69	35845	18.685	ug/l #	94
57) 1,3-Dichloropropane	10.94	76	52979	19.983	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	90606	105.000	ug/l	98
59) 2-Hexanone	10.98	43	69981	83.796	ug/l	99
60) Dibromochloromethane	11.14	129	45994	20.862	ug/l	97
61) 1,2-Dibromoethane	11.24	107	31199	20.315	ug/l	100
64) Tetrachloroethene	10.87	164	45915	20.673	ug/l	96
65) Chlorobenzene	11.67	112	121378	20.672	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	50947	22.176	ug/l	96
67) Ethyl Benzene	11.74	91	205579	20.204	ug/l	98
68) m/p-Xylenes	11.85	106	162245	41.156	ug/l	96
69) o-Xylene	12.18	106	74736	20.840	ug/l	100
70) Styrene	12.20	104	128754	20.487	ug/l	96
71) Bromoform	12.36	173	28235	20.743	ug/l #	99
73) Isopropylbenzene	12.48	105	208972	21.558	ug/l	100
74) N-amyl acetate	12.29	43	36731	17.208	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	31889	19.293	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	25891m	21.380	ug/l	
77) Bromobenzene	12.76	156	53851	21.581	ug/l	95
78) n-propylbenzene	12.82	91	237830	21.107	ug/l	99
79) 2-Chlorotoluene	12.91	91	140421	21.789	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	177860	21.940	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	9925	18.117	ug/l	87
82) 4-Chlorotoluene	13.01	91	146071	21.471	ug/l	99
83) tert-Butylbenzene	13.23	119	150340	21.087	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	172075	21.210	ug/l	99
85) sec-Butylbenzene	13.40	105	198036	20.574	ug/l	98
86) p-Isopropyltoluene	13.52	119	190822	21.137	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	96561	20.589	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	96812	20.699	ug/l	98
89) n-Butylbenzene	13.85	91	161310	19.943	ug/l	99
90) Hexachloroethane	14.11	117	38828	21.565	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	85083	20.514	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6287	22.131	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
Data File : VD066334.D
Acq On : 20 Aug 2020 00:31
Operator : VA/SY
Sample : VD0819SBSD02
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:37:05 PM

Quant Time: Aug 20 08:03:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58197	19.040	ug/l	95
94) Hexachlorobutadiene	15.27	225	38548	21.417	ug/l	94
95) Naphthalene	15.41	128	100353	20.150	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	53455	19.811	ug/l	99

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

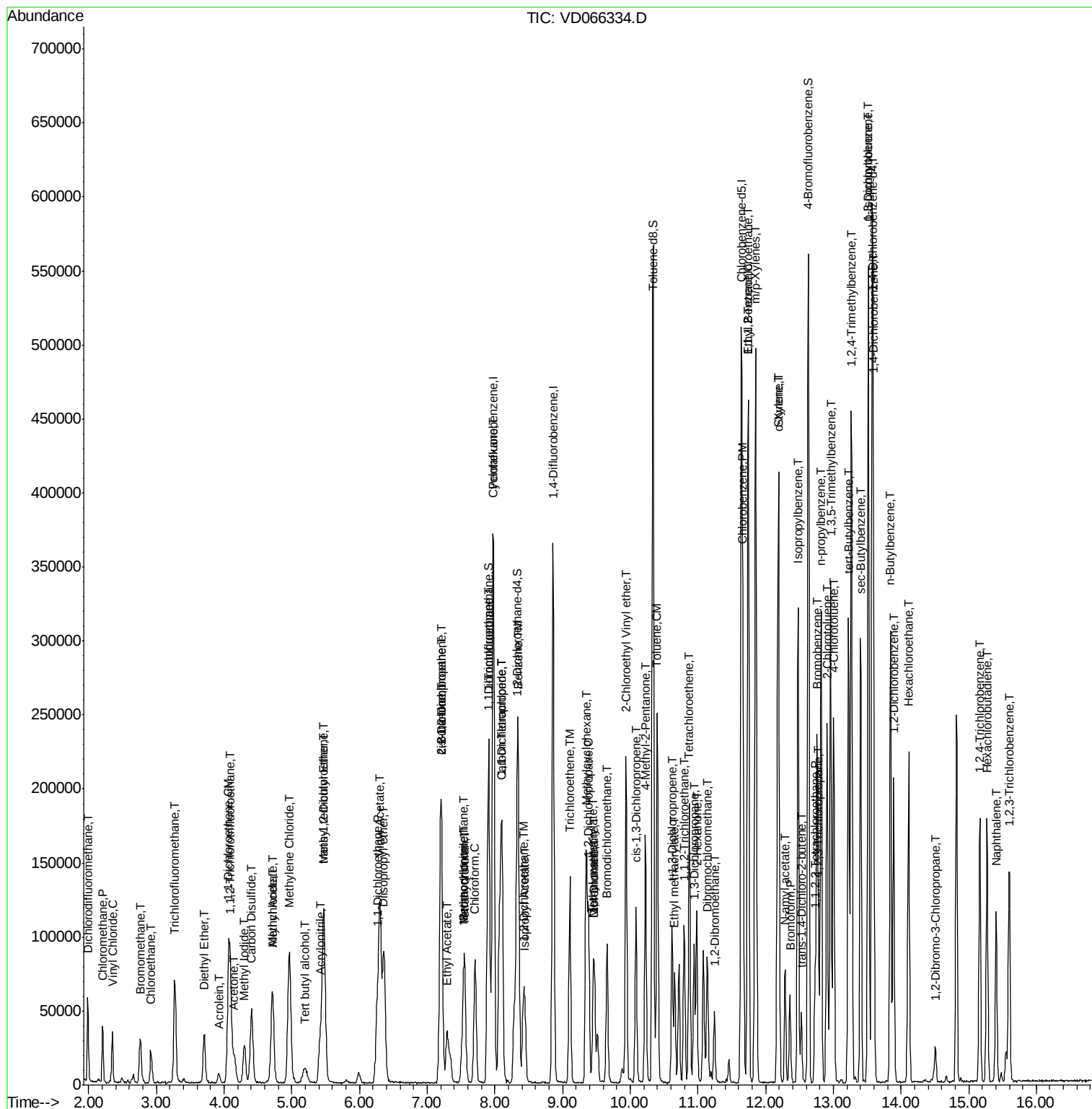
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
Data File : VD066334.D
Acq On : 20 Aug 2020 00:31
Operator : VA/SY
Sample : VD0819SBS02
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 31 Sample Multiplier: 1

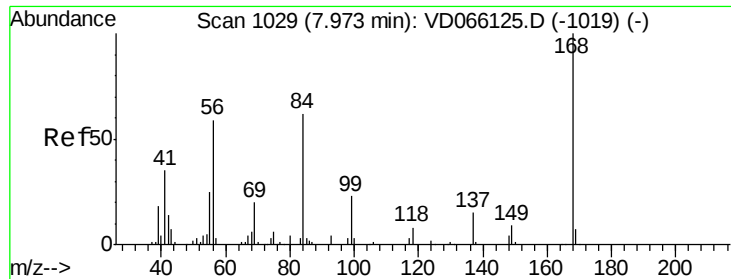
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:37:05 PM

Quant Time: Aug 20 08:03:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD02

Tot Ion:168 Resp: 208621

Ion Ratio Lower Upper

168 100

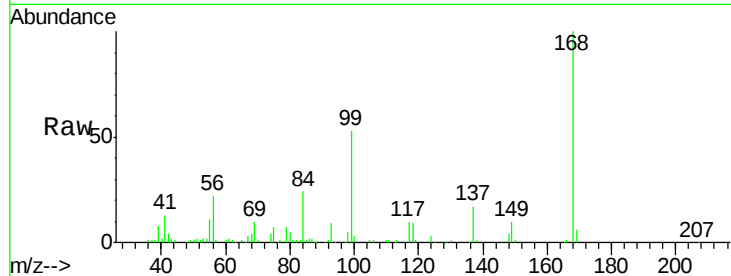
99 52.8 42.2 63.4

Manual Integrations

APPROVED

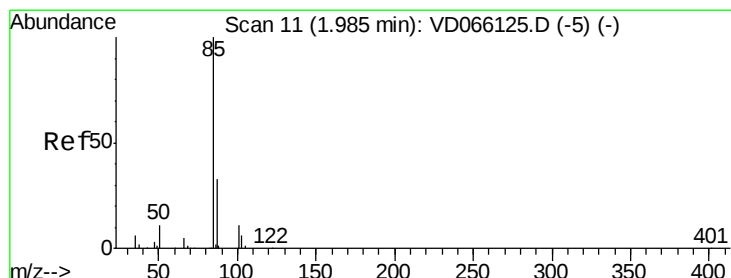
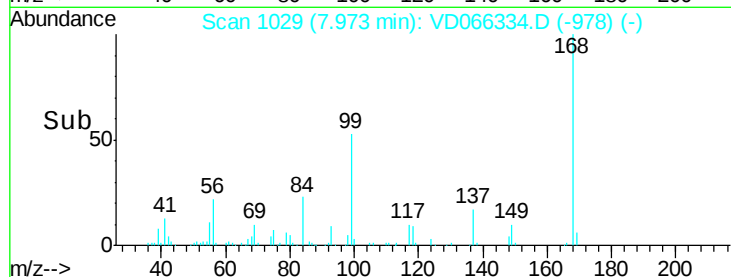
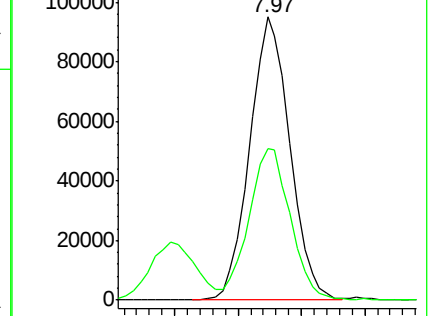
MMDadoda

8/20/2020 3:37:05 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.394 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066334.D

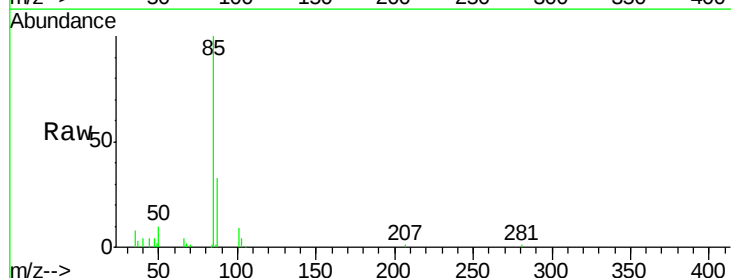
Acq: 20 Aug 2020 00:31

Tgt Ion: 85 Resp: 39323

Ion Ratio Lower Upper

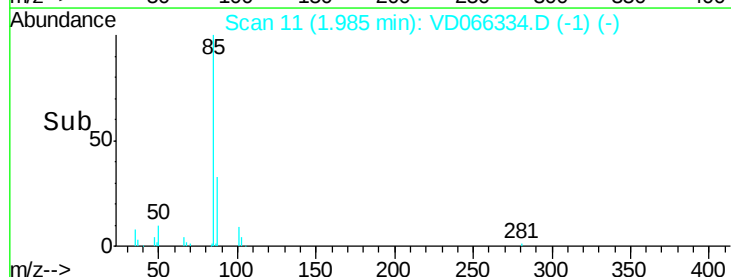
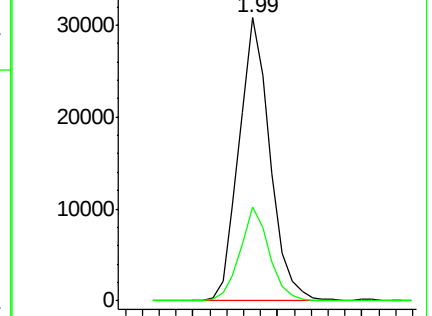
85 100

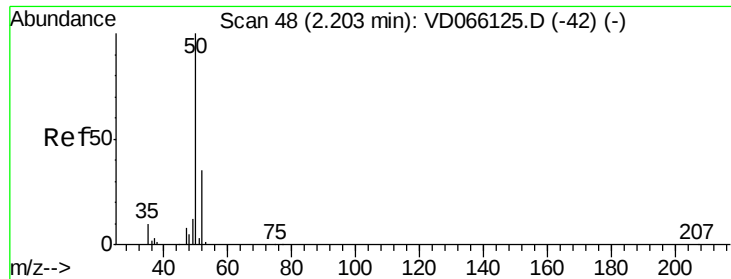
87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.354 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 50 Resp: 29102

Ion Ratio Lower Upper

50 100

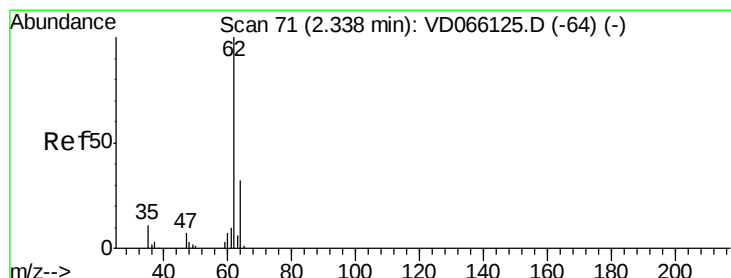
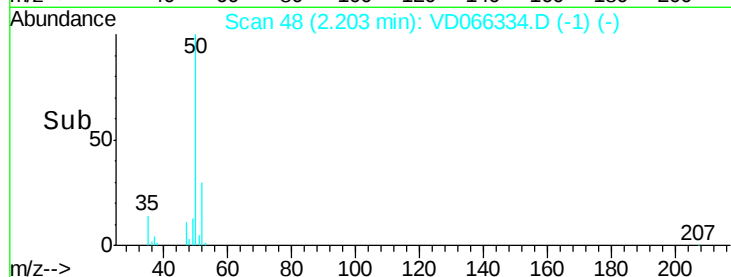
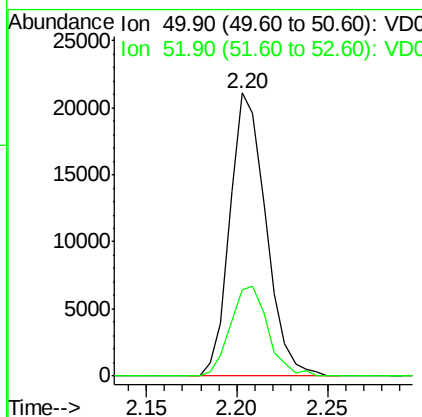
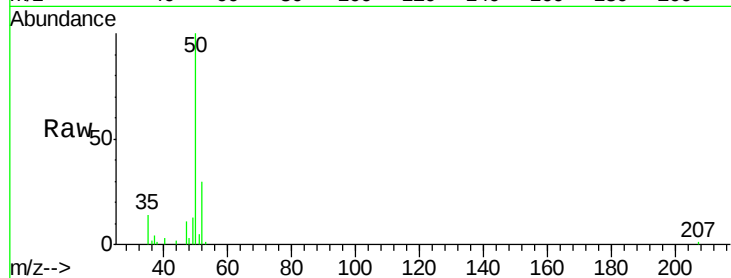
52 30.4 27.9 41.9

Manual Integrations

APPROVED

MMDadoda

8/20/2020 3:37:05 PM



#4

Vinyl Chloride

Concen: 22.225 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066334.D

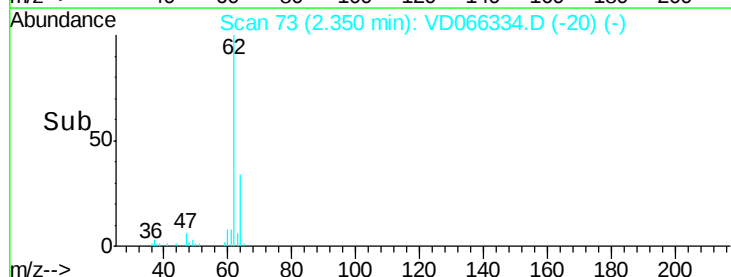
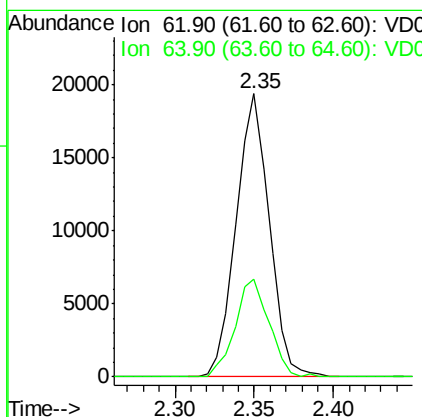
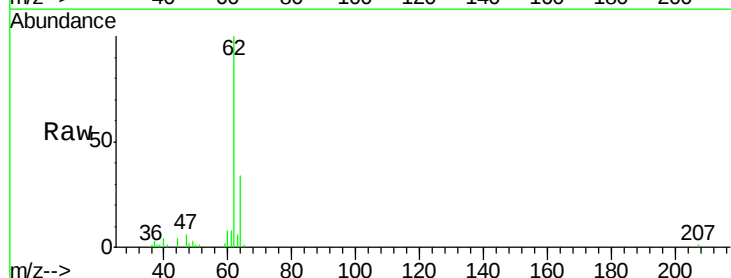
Acq: 20 Aug 2020 00:31

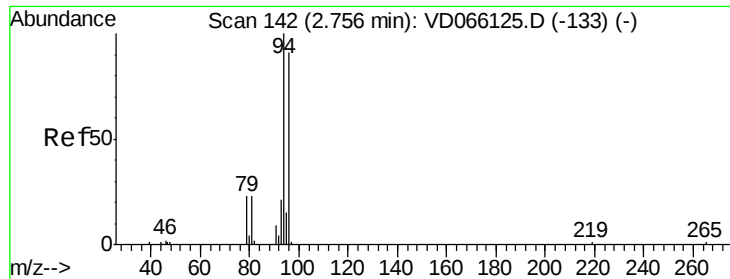
Tgt Ion: 62 Resp: 28133

Ion Ratio Lower Upper

62 100

64 34.5 25.8 38.8





#5

Bromomethane

Concen: 25.617 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 94 Resp: 21514

Ion Ratio Lower Upper

94 100

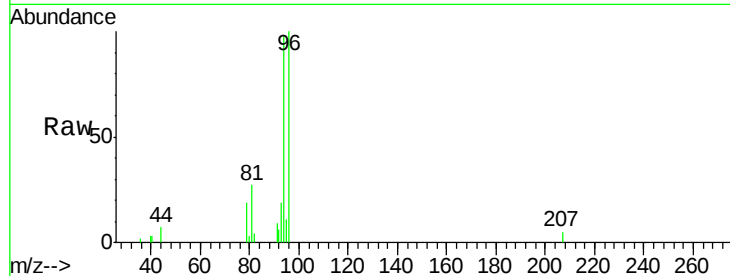
96 101.6 72.6 109.0

Manual Integrations

APPROVED

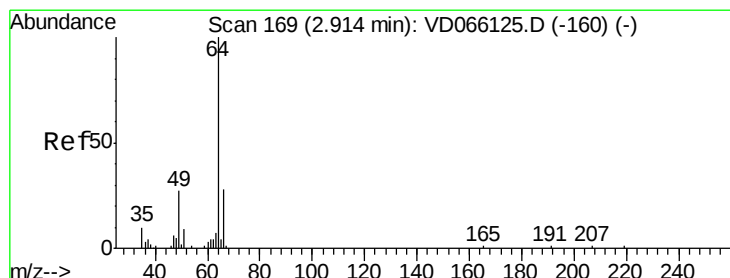
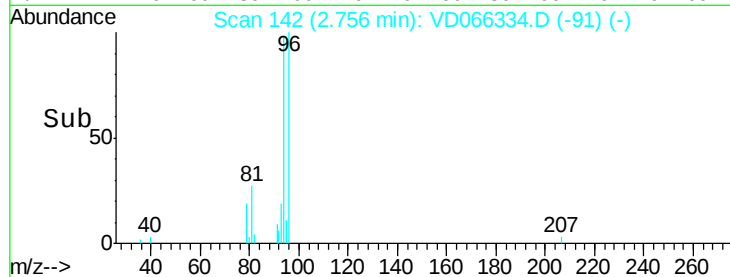
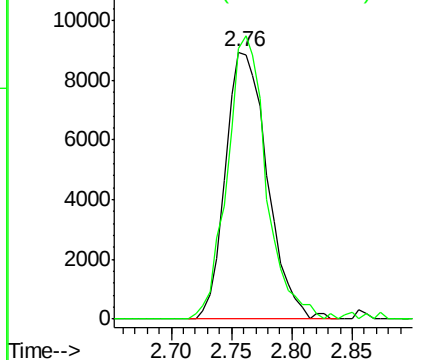
MMDadoda

8/20/2020 3:37:05 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.916 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066334.D

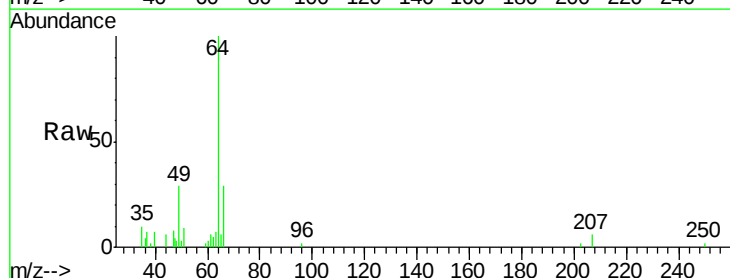
Acq: 20 Aug 2020 00:31

Tgt Ion: 64 Resp: 17806

Ion Ratio Lower Upper

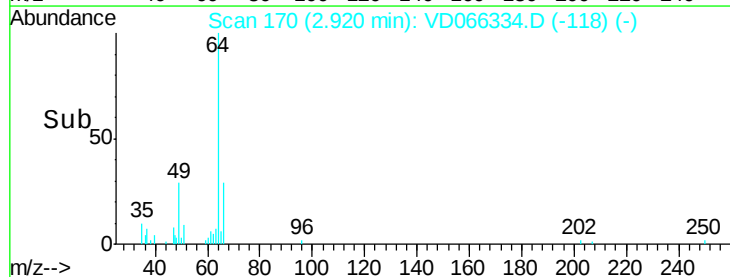
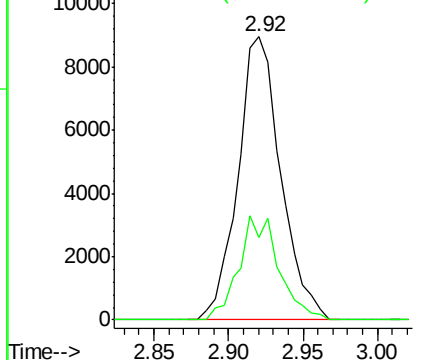
64 100

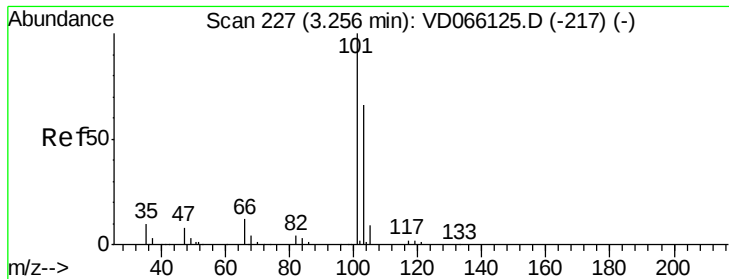
66 29.0 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

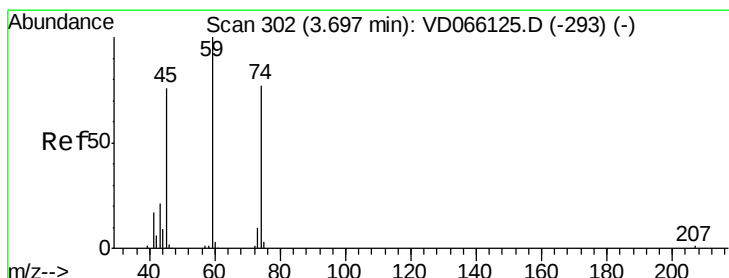
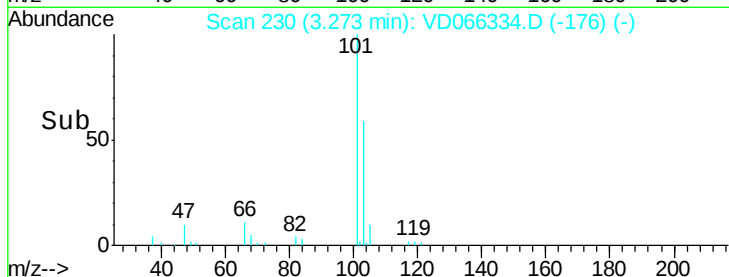
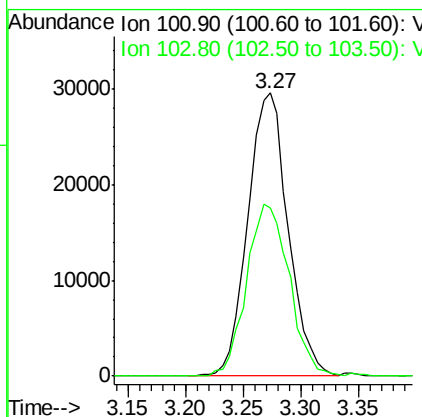
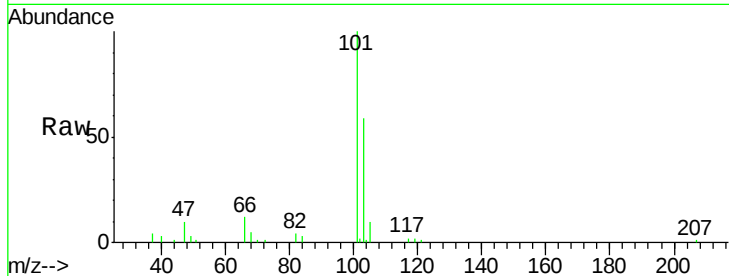
Trichlorofluoromethane
Concen: 21.787 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.02 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.2	53.0	79.6

Manual Integrations
APPROVED

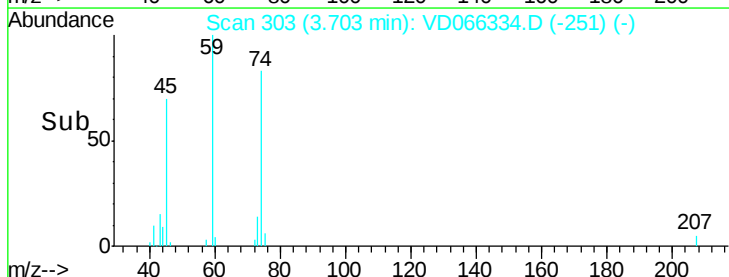
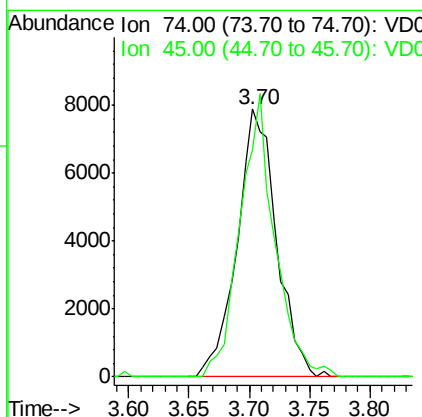
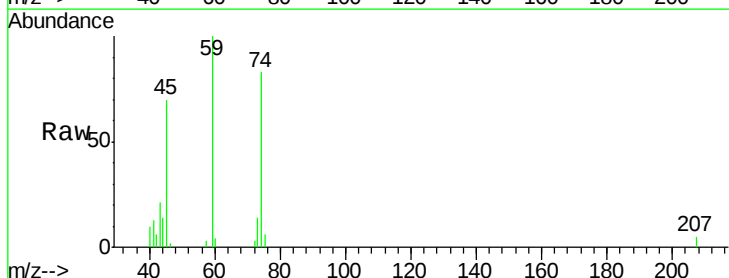
MMDadoda
8/20/2020 3:37:05 PM

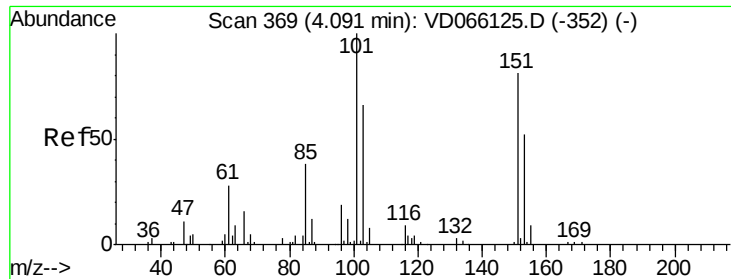


#8

Diethyl Ether
Concen: 19.286 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.936 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

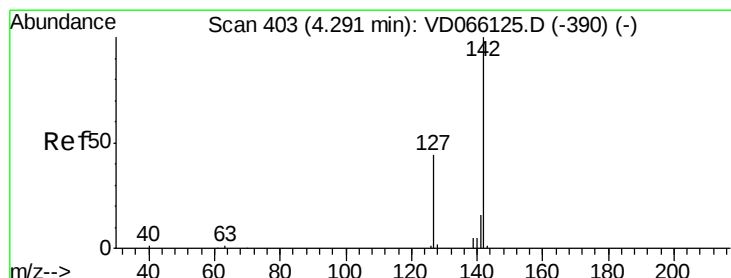
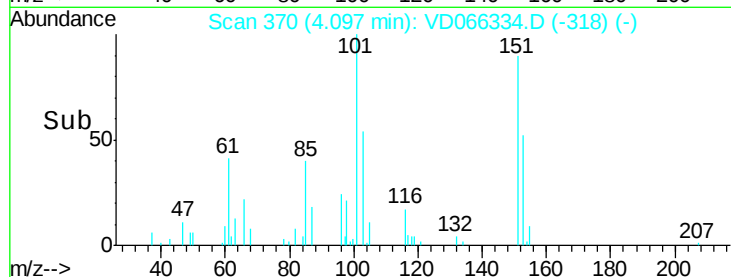
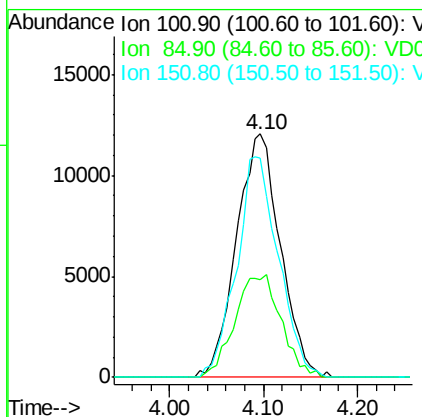
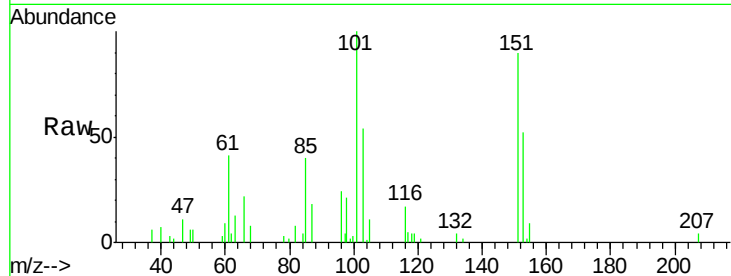
ClientSampleId :

VD0819SBS02

Tot Ion:	101	Resp:	39045
Ion Ratio	Lower	Upper	
101	100		
85	44.3	33.5	50.3
151	86.4	67.8	101.8

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:37:05 PM



#10

Methyl Iodide

Concen: 27.326 ug/l

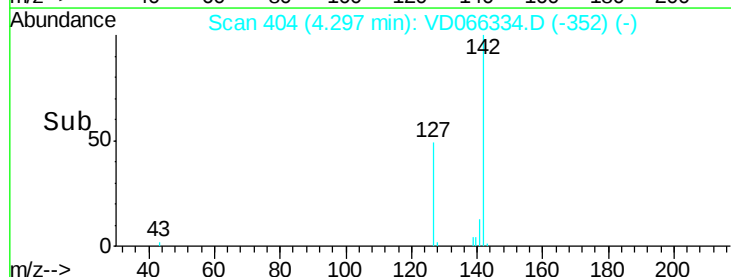
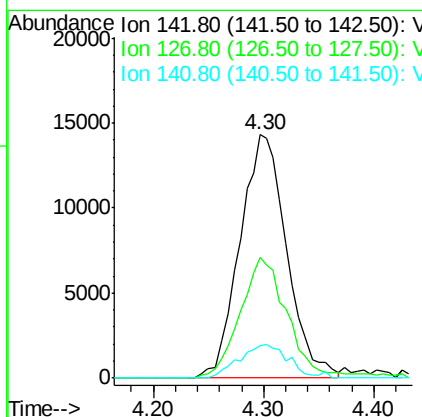
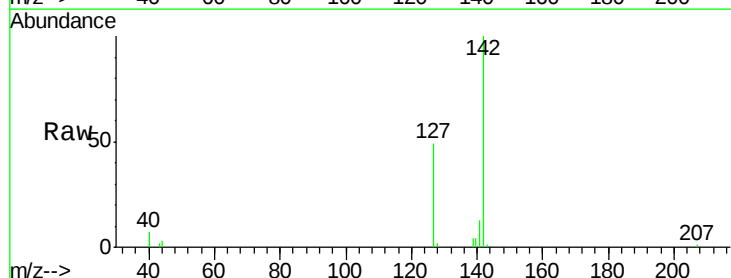
RT: 4.30 min Scan# 404

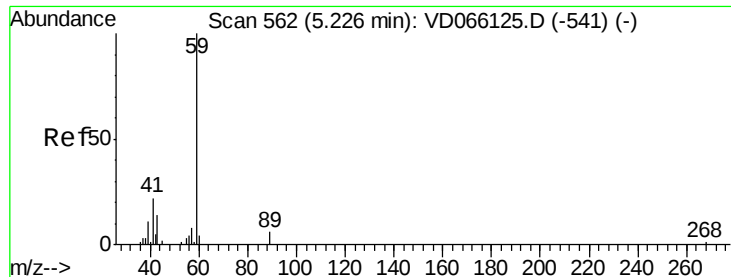
Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Tgt Ion:	142	Resp:	42457
Ion Ratio	Lower	Upper	
142	100		
127	50.3	36.2	54.4
141	14.2	12.6	18.8





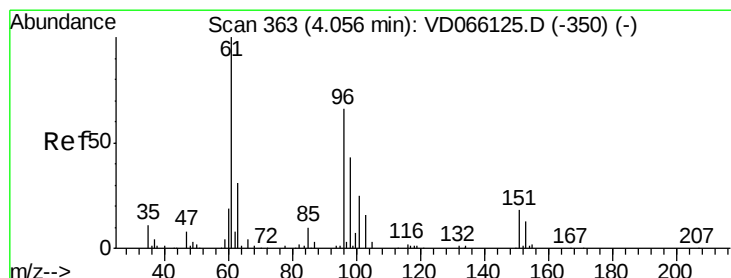
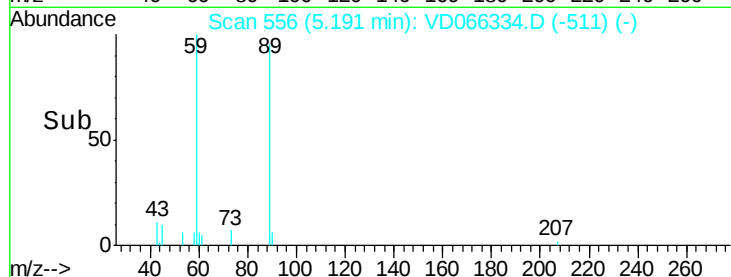
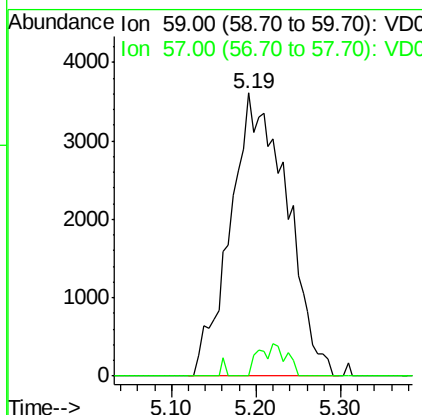
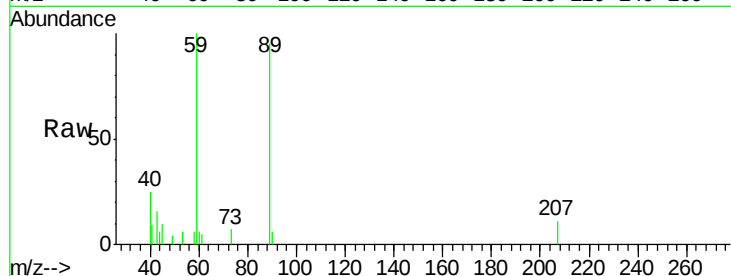
#11
Tert butyl alcohol
Concen: 96.957 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.04 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion: 59 Resp: 16707
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#

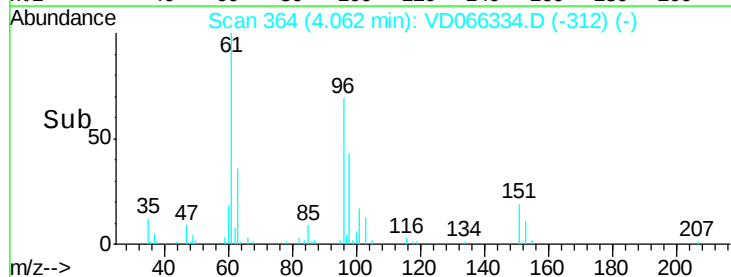
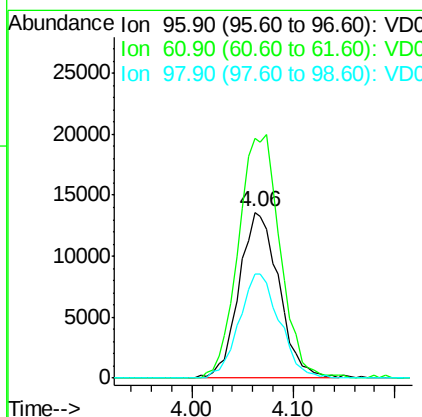
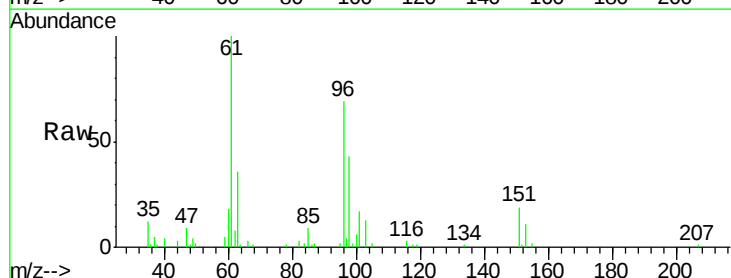
Manual Integrations
APPROVED

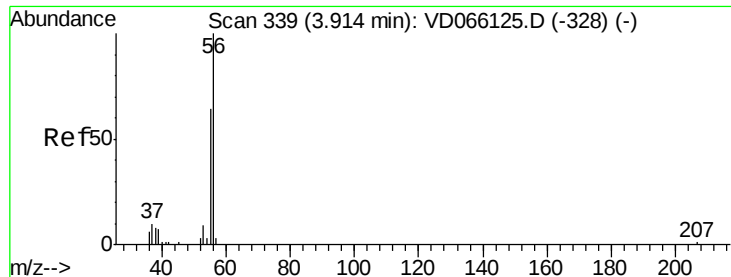
MMDadoda
8/20/2020 3:37:05 PM



#12
1,1-Dichloroethene
Concen: 20.120 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 96 Resp: 37173
Ion Ratio Lower Upper
96 100
61 144.2 121.6 182.4
98 62.6 52.0 78.0





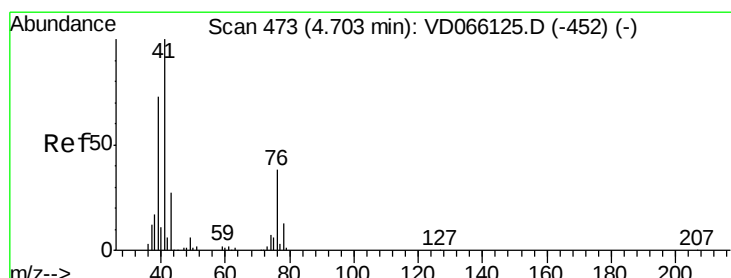
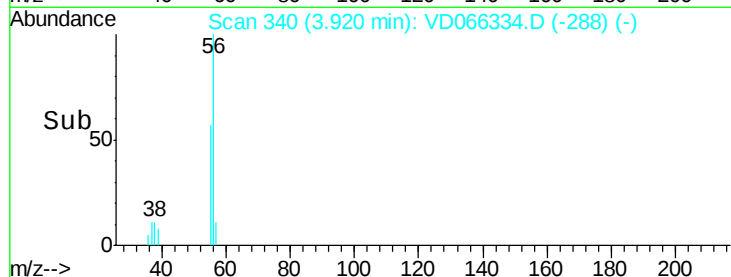
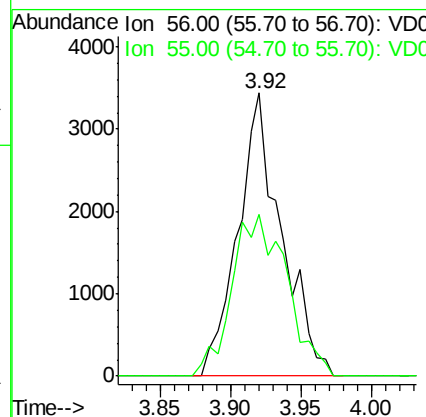
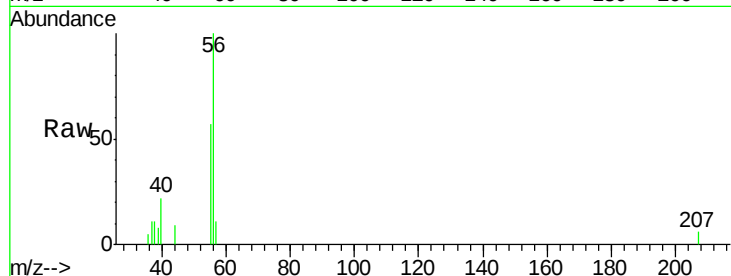
#13
Acrolein
Concen: 49.970 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	56	Resp	7403
Ion Ratio	100	Lower	Upper
55	72.1	56.7	85.1

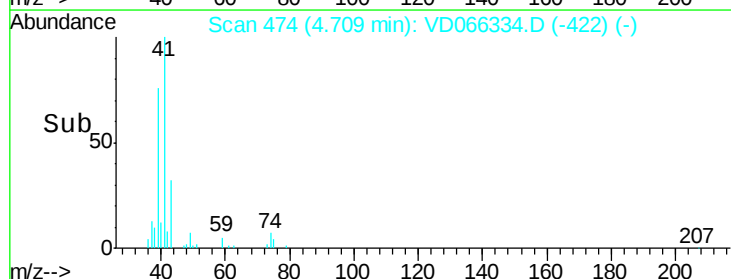
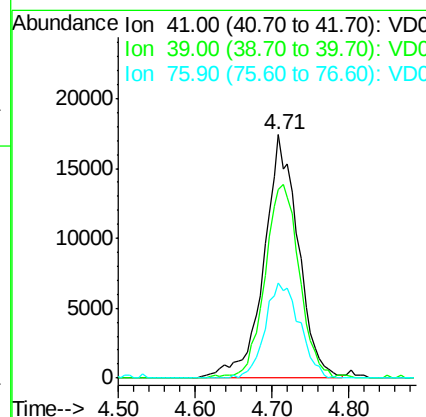
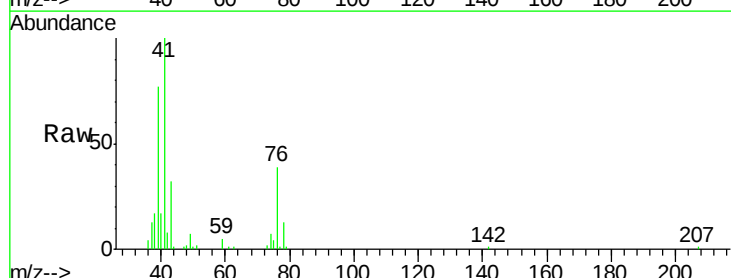
Manual Integrations
APPROVED

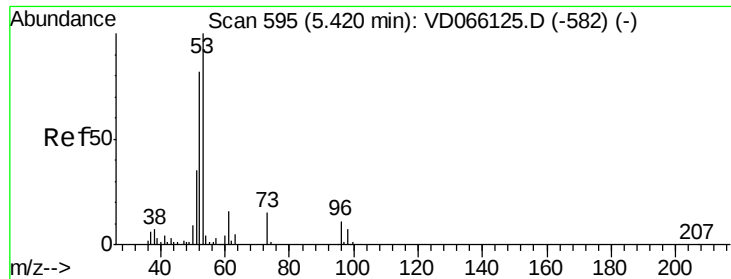
MMDadoda
8/20/2020 3:37:05 PM



#14
Allyl chloride
Concen: 19.219 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	41	Resp	53794
Ion Ratio	100	Lower	Upper
39	77.0	57.4	86.0
76	39.1	30.1	45.1





#15

Acrylonitrile

Concen: 97.936 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

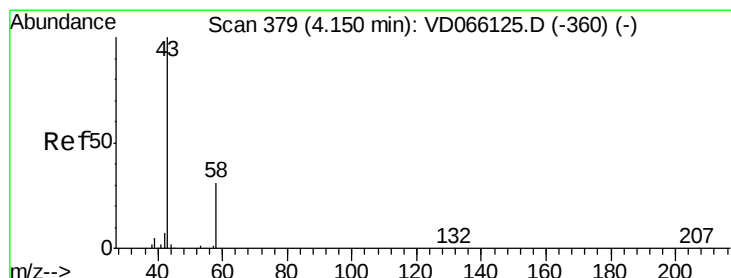
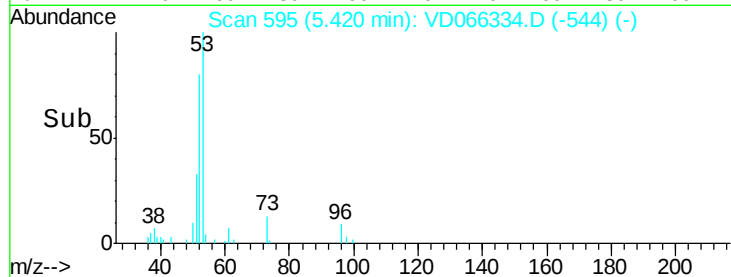
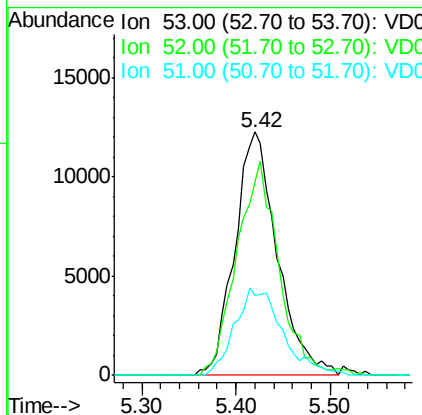
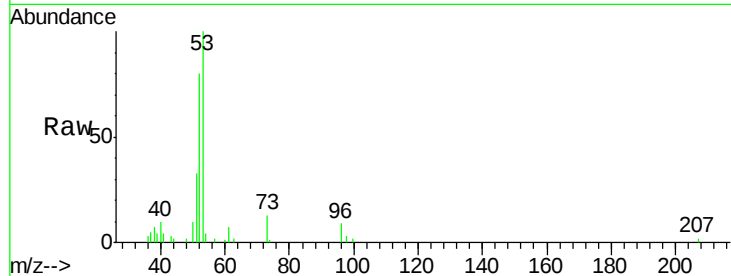
ClientSampleId :

VD0819SBS02

Tot Ion:	53	Resp:	38429
Ion	Ratio	Lower	Upper
53	100		
52	86.7	66.1	99.1
51	40.3	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:37:05 PM



#16

Acetone

Concen: 84.128 ug/l

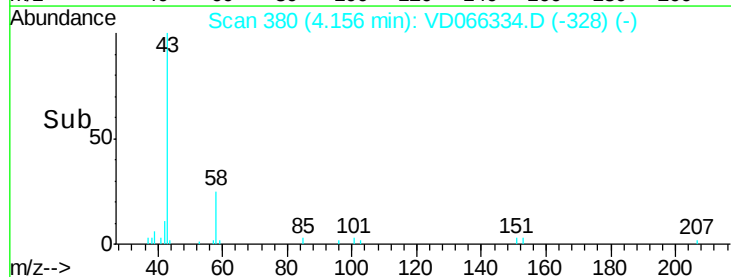
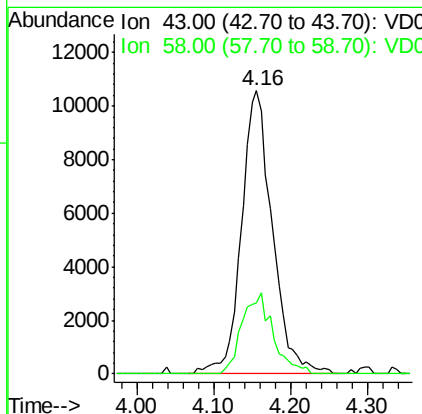
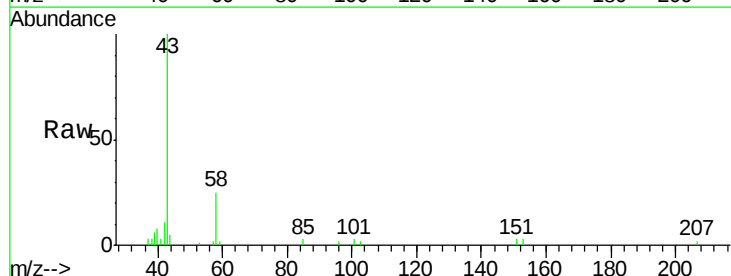
RT: 4.16 min Scan# 380

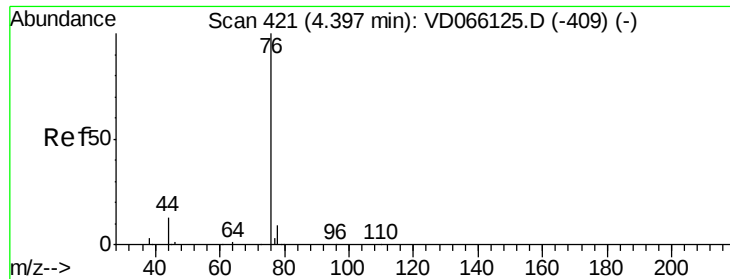
Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Tgt Ion:	43	Resp:	29710
Ion	Ratio	Lower	Upper
43	100		
58	24.9	24.7	37.1





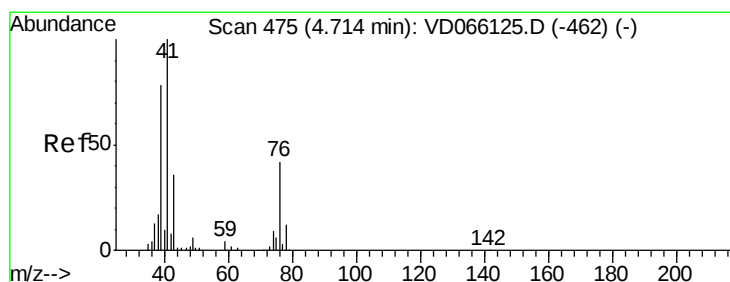
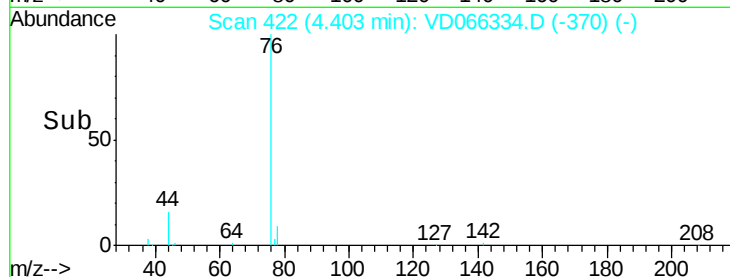
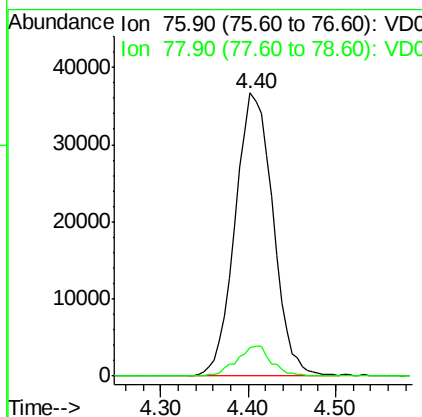
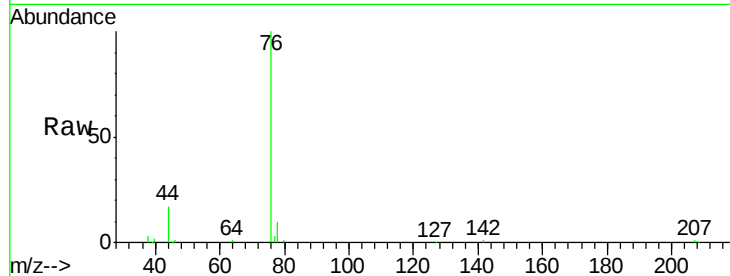
#17
Carbon Disulfide
Concen: 18.339 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion: 76 Resp: 107733
Ion Ratio Lower Upper
76 100
78 10.1 7.5 11.3

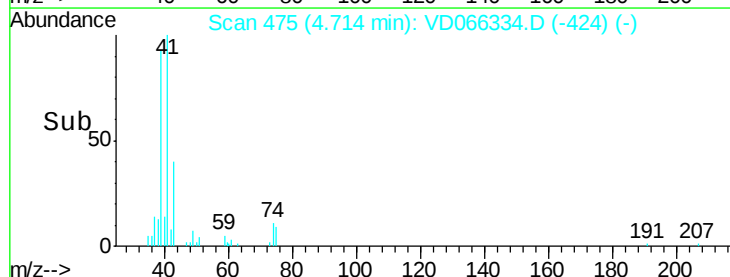
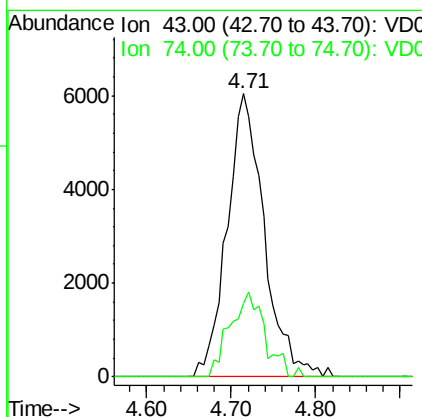
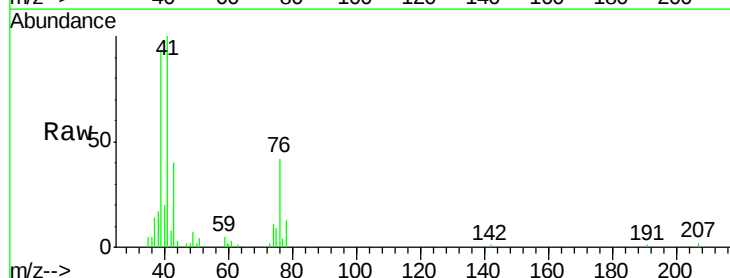
Manual Integrations
APPROVED

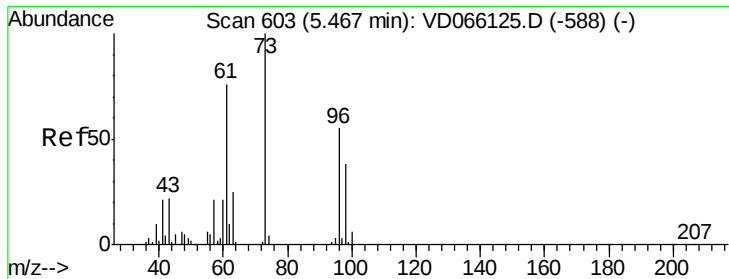
MMDadoda
8/20/2020 3:37:05 PM



#18
Methyl Acetate
Concen: 20.491 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 43 Resp: 18381
Ion Ratio Lower Upper
43 100
74 27.7 21.2 31.8





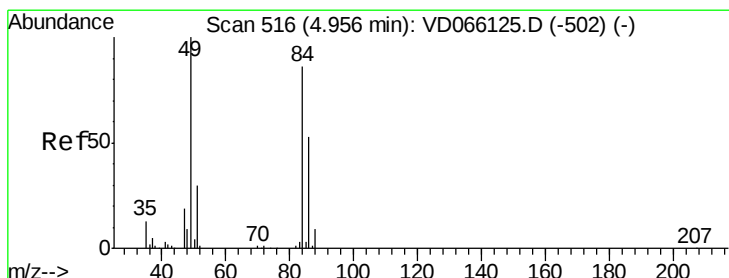
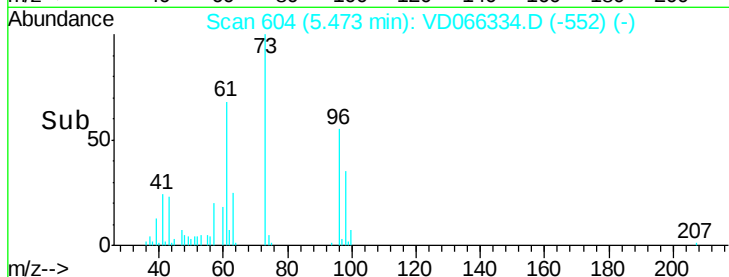
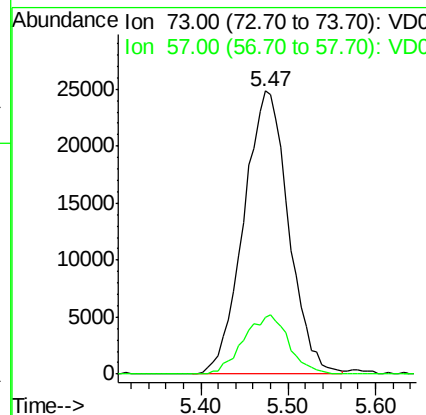
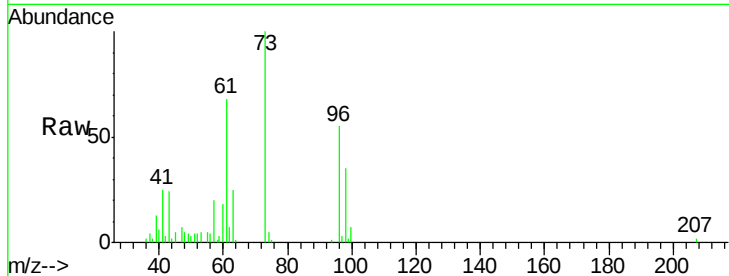
#19
Methvl tert-butvl Ether
Concen: 20.553 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion: 73 Resp: 87038
Ion Ratio Lower Upper
73 100
57 20.0 17.1 25.7

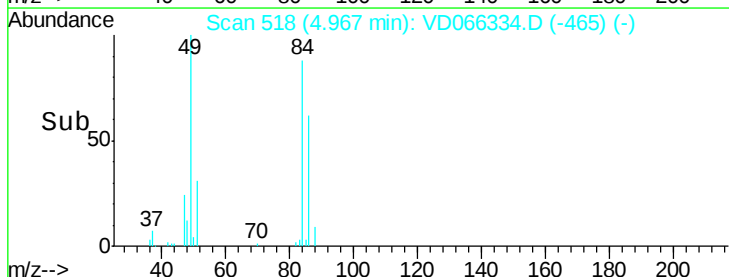
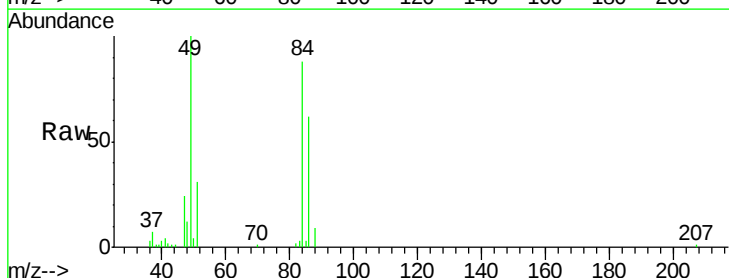
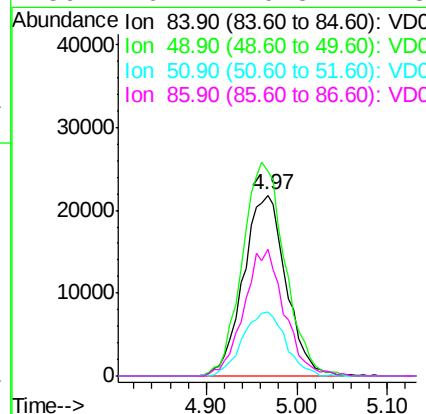
Manual Integrations
APPROVED

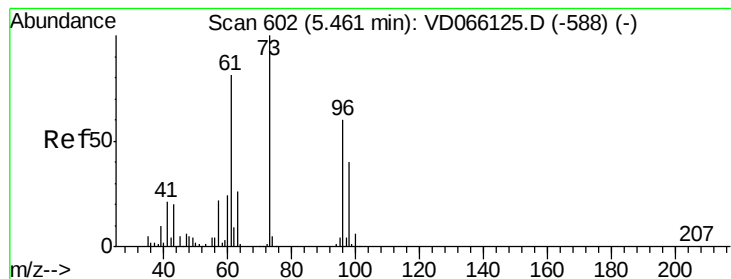
MMDadoda
8/20/2020 3:37:05 PM



#20
Methylene Chloride
Concen: 33.601 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 84 Resp: 71250
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 35.5 28.2 42.4
86 70.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.973 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

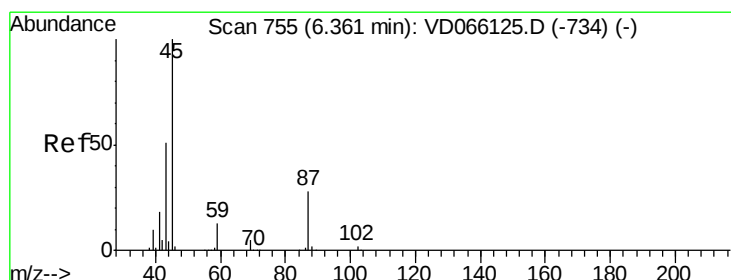
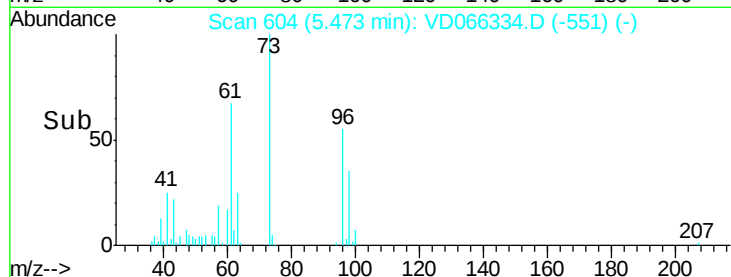
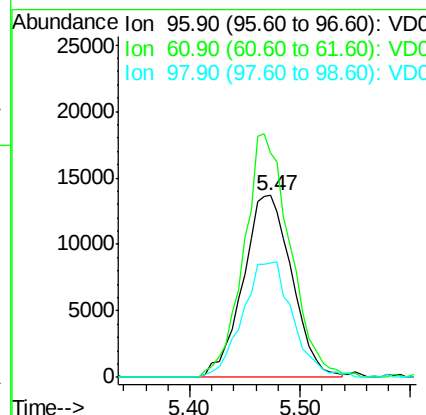
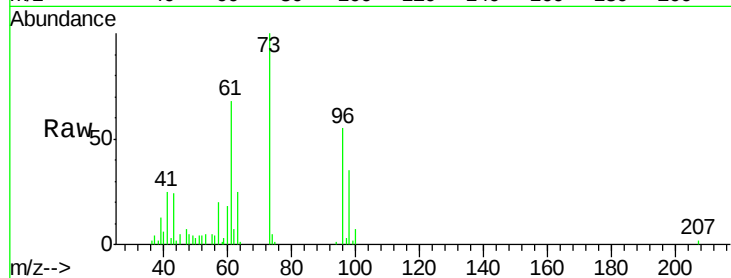
ClientSampleId :

VD0819SBS02

Tot Ion:	96	Resp:	42391
Ion	Ratio	Lower	Upper
96	100		
61	123.4	106.9	160.3
98	62.9	53.4	80.0

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:37:05 PM



#22

Diisopropyl ether

Concen: 19.521 ug/l

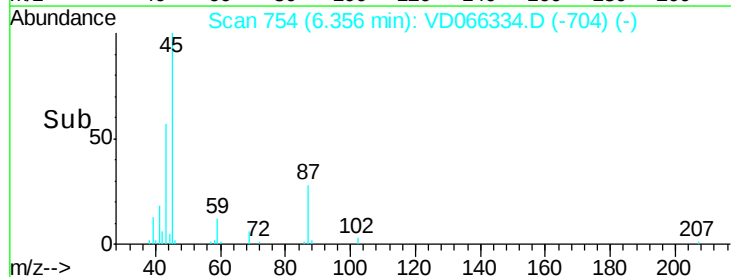
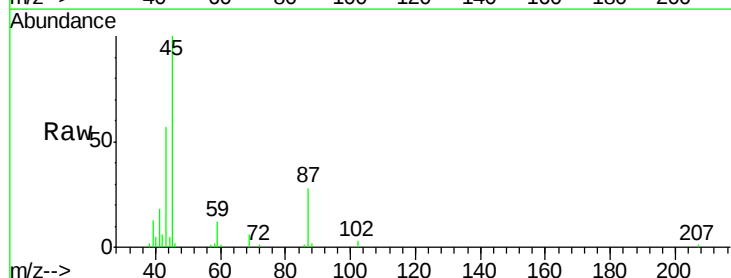
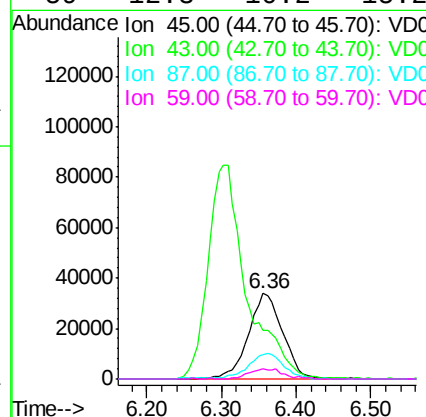
RT: 6.36 min Scan# 754

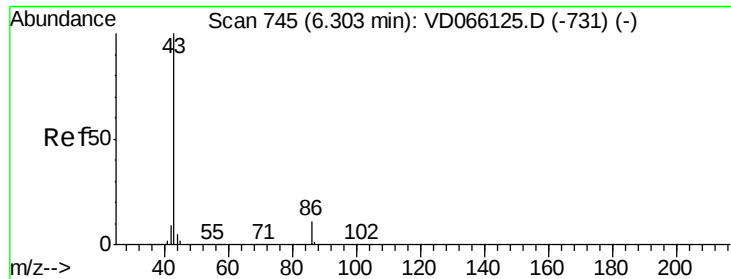
Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Tgt Ion:	45	Resp:	108049
Ion	Ratio	Lower	Upper
45	100		
43	56.3	41.2	61.8
87	27.9	22.8	34.2
59	12.3	10.2	15.2





#23

Vinyl Acetate

Concen: 93.574 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 43 Resp: 303432

Ion Ratio Lower Upper

43 100

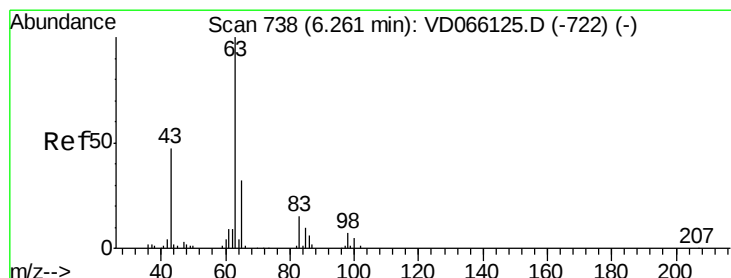
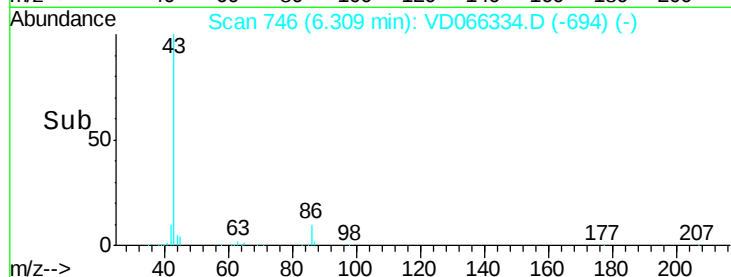
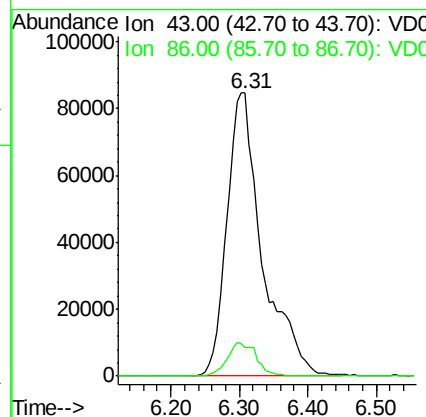
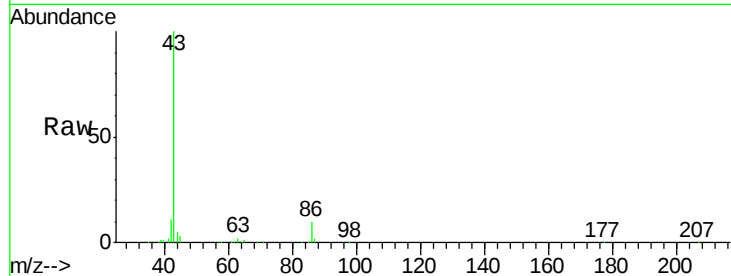
86 10.2 9.1 13.7

Manual Integrations

APPROVED

MMDadoda

8/20/2020 3:37:05 PM



#24

1,1-Dichloroethane

Concen: 20.838 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

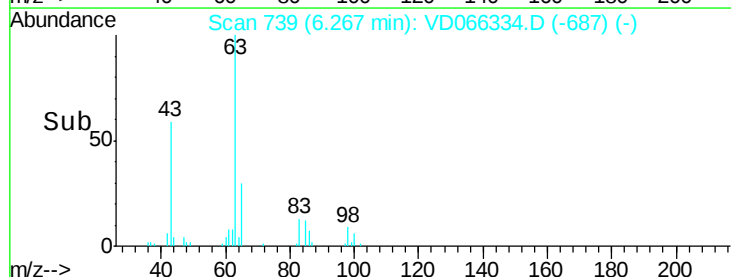
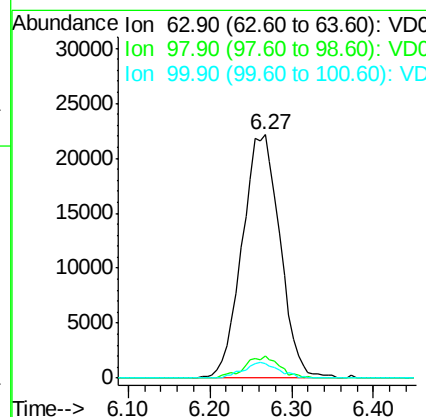
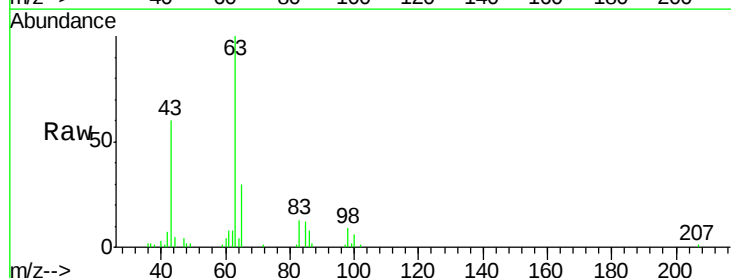
Tgt Ion: 63 Resp: 71381

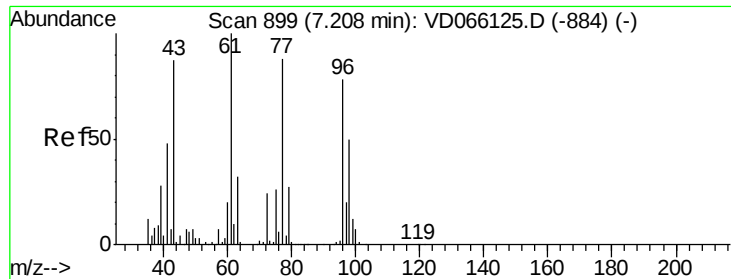
Ion Ratio Lower Upper

63 100

98 8.9 3.5 10.5

100 6.0 2.4 7.2





#25

2-Butanone

Concen: 87.682 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 43 Resp: 45544

Ion Ratio Lower Upper

43 100

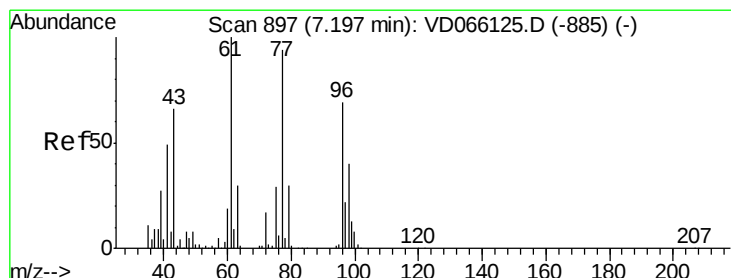
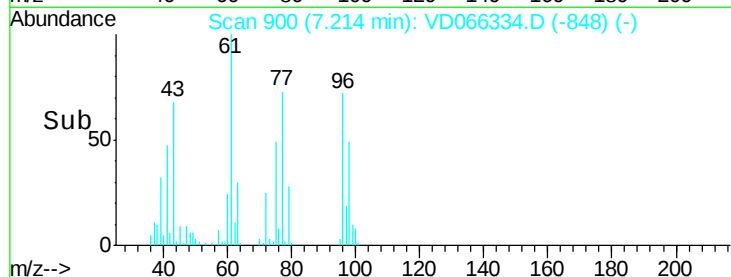
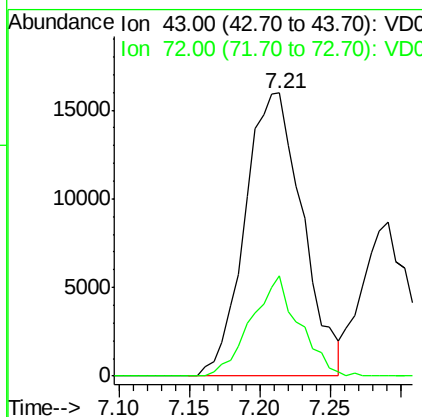
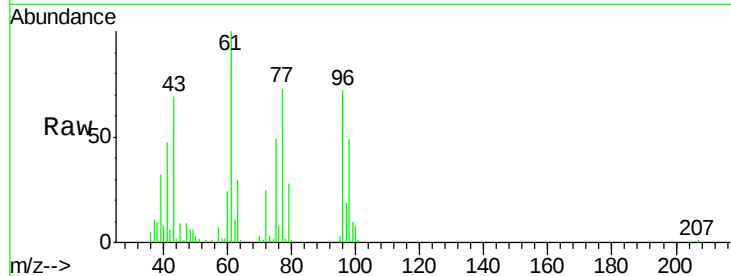
72 35.7 22.2 33.2#

Manual Integrations

APPROVED

MMDadoda

8/20/2020 3:37:05 PM



#26

2,2-Dichloropropane

Concen: 20.828 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD066334.D

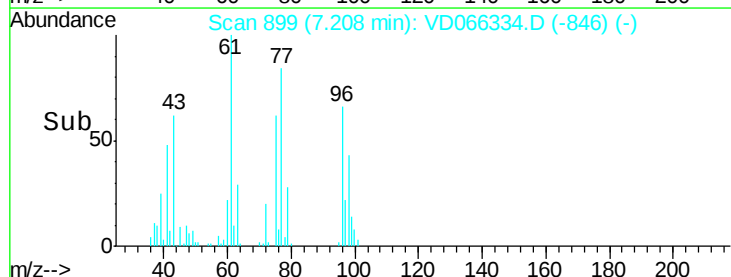
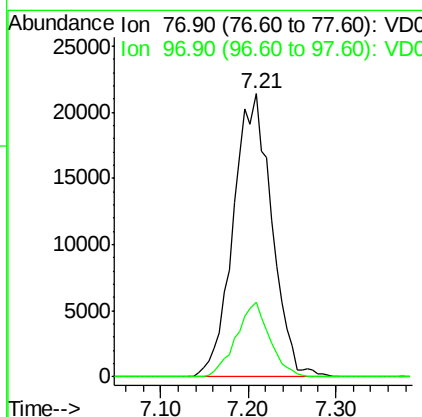
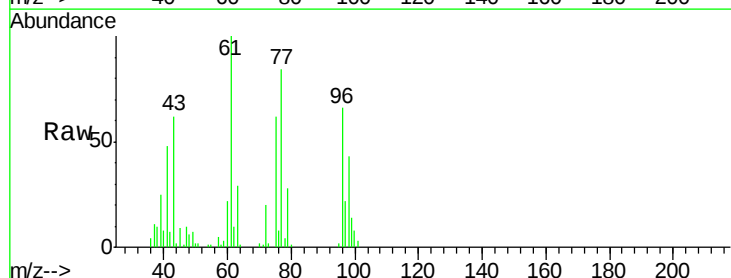
Acq: 20 Aug 2020 00:31

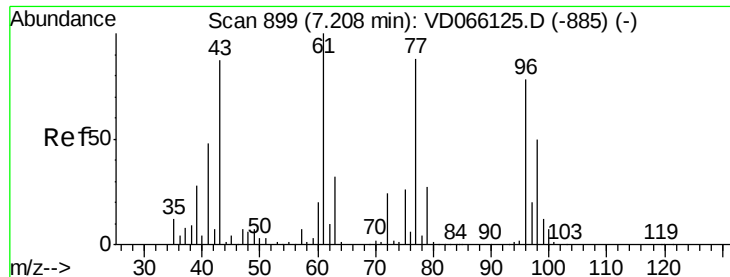
Tgt Ion: 77 Resp: 63946

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.3





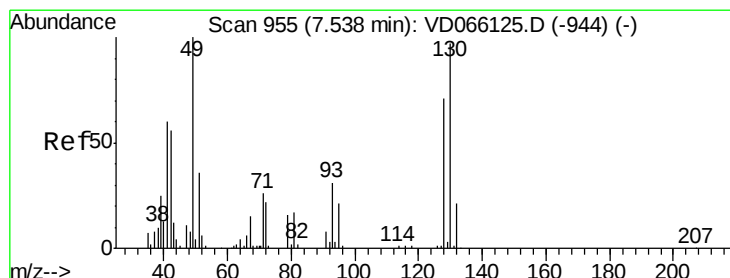
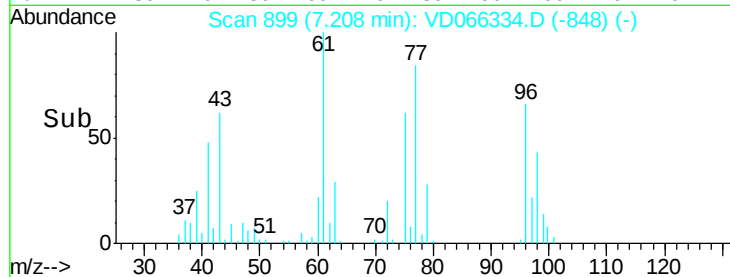
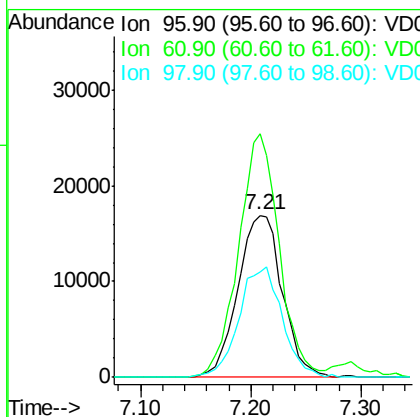
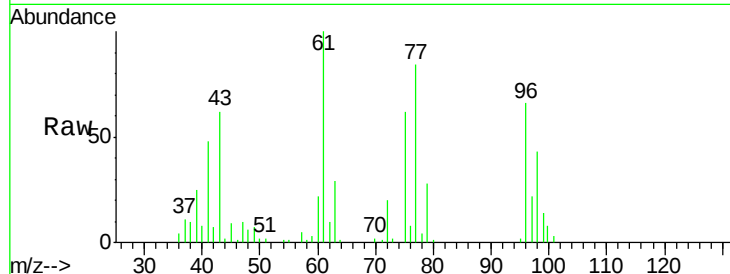
#27
 cis-1,2-Dichloroethene
 Concen: 21.398 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	281.6
98	66.4	0.0	130.8

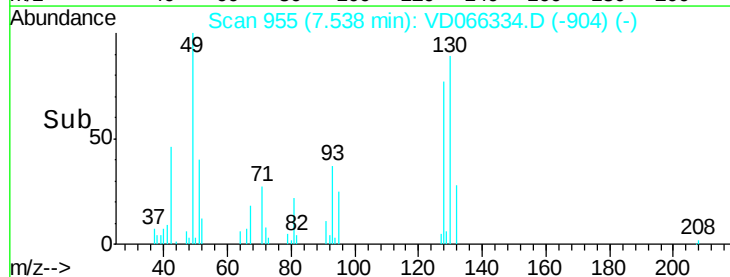
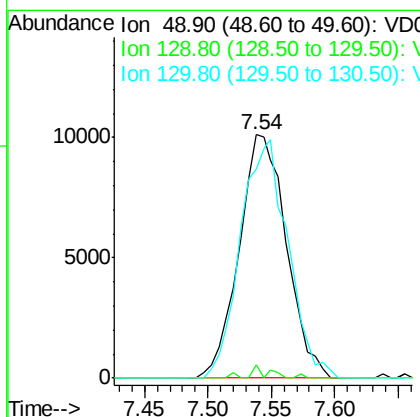
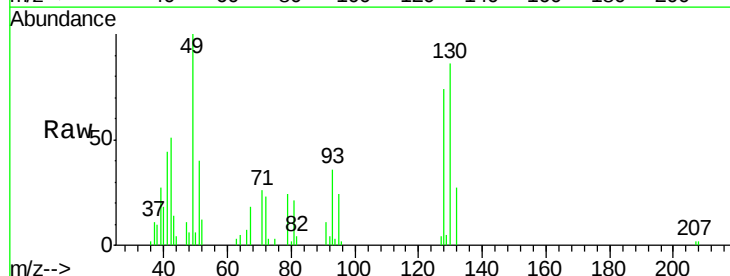
Manual Integrations
 APPROVED

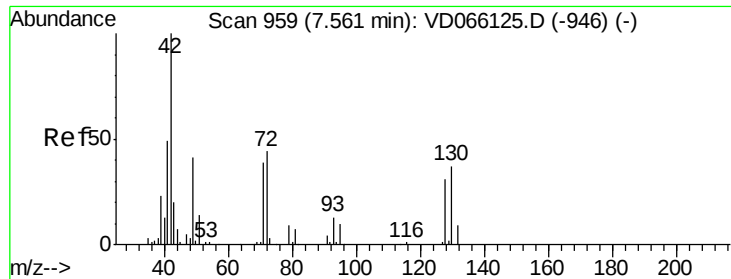
MMDadoda
 8/20/2020 3:37:05 PM



#28
 Bromochloromethane
 Concen: 21.719 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	6.0
130	98.2	73.8	110.6





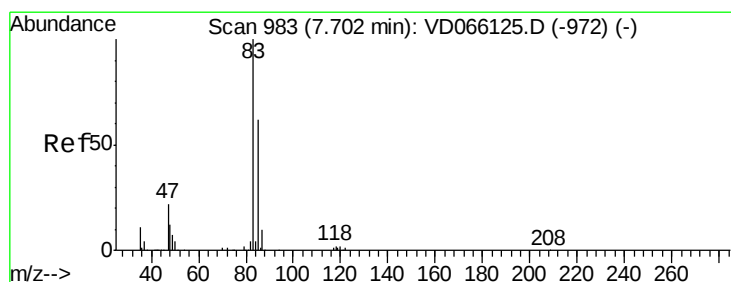
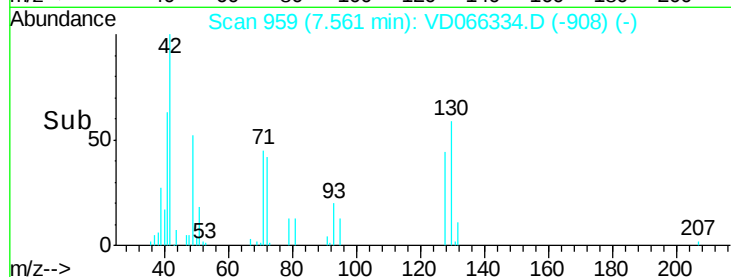
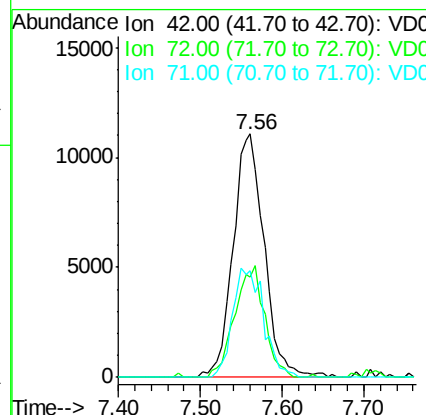
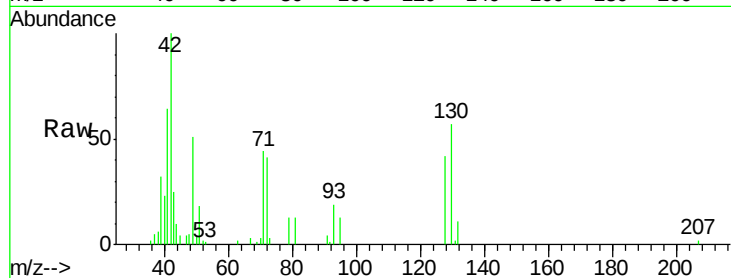
#29
Tetrahydrofuran
Concen: 91.220 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.8	52.2
71	44.3	33.5	50.3

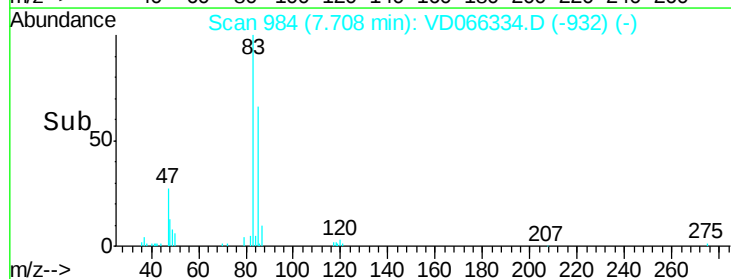
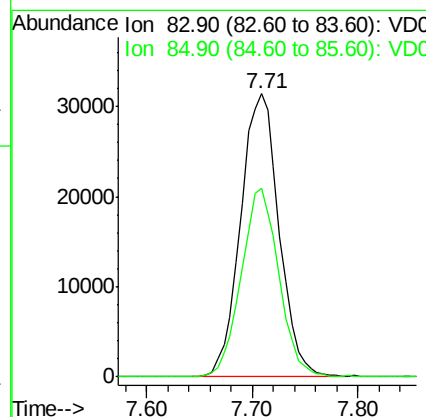
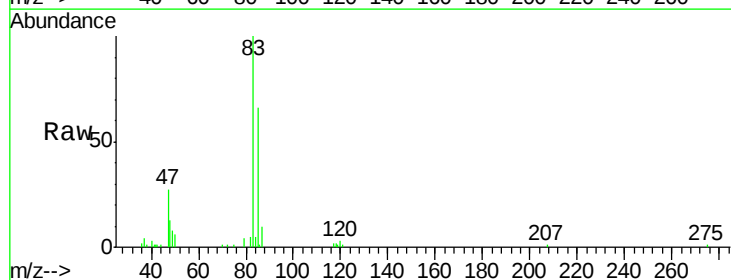
Manual Integrations
APPROVED

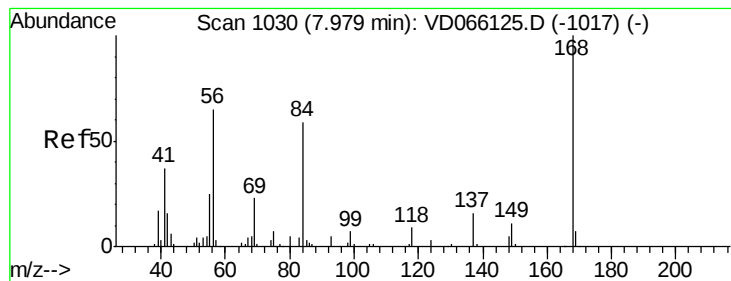
MMDadoda
8/20/2020 3:37:05 PM



#30
Chloroform
Concen: 22.032 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	49.5	74.3





#31

Cyclohexane

Concen: 17.893 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

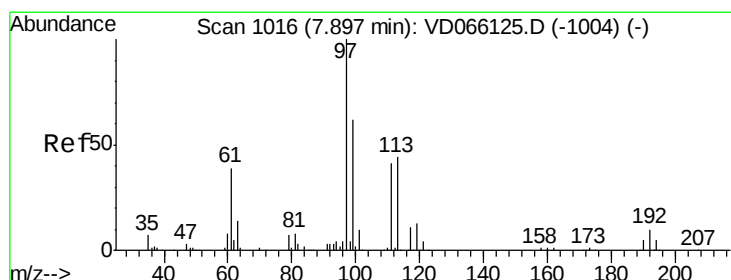
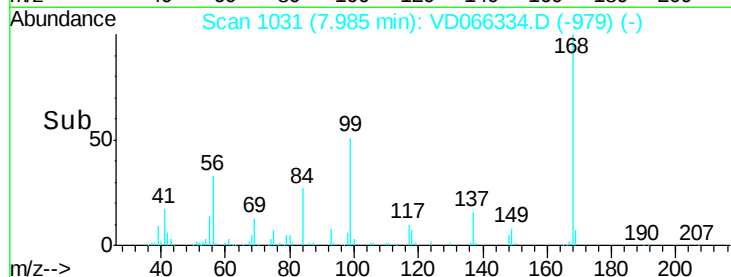
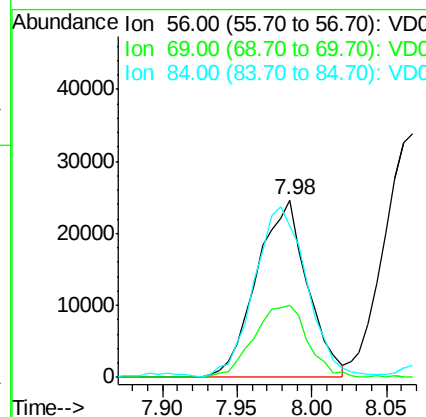
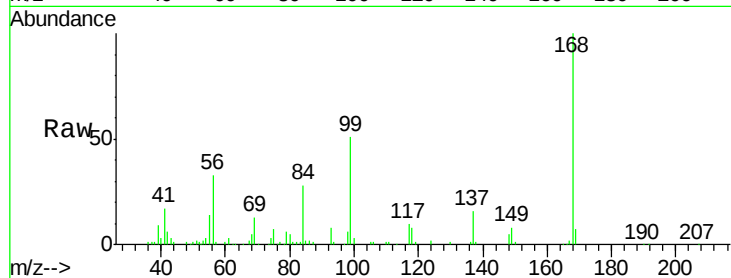
ClientSampleId :

VD0819SBS02

Tot Ion:	56	Resp:	58344
Ion	Ratio	Lower	Upper
56	100		
69	40.3	28.8	43.2
84	84.1	73.0	109.6

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:37:05 PM



#32

1,1,1-Trichloroethane

Concen: 22.568 ug/l

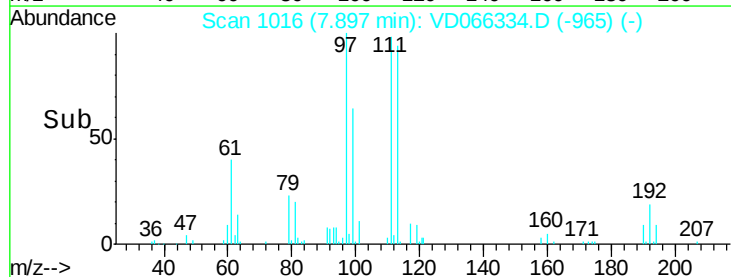
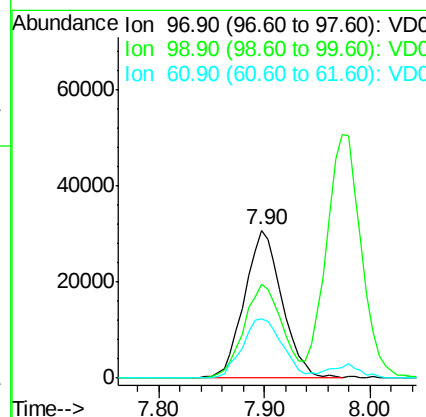
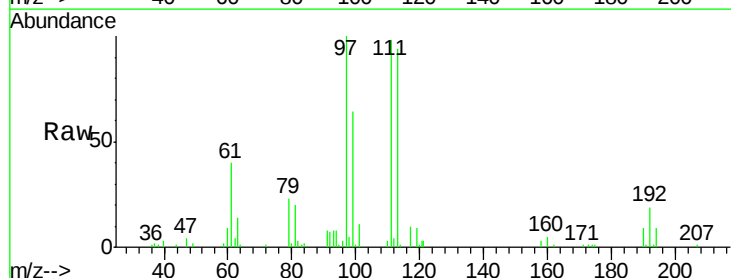
RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Tgt Ion:	97	Resp:	76110
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.1	76.7
61	43.1	32.7	49.1





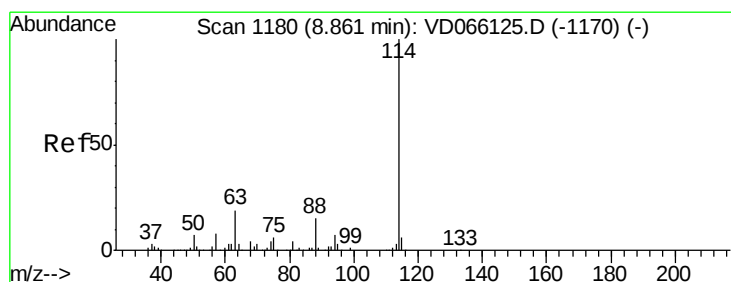
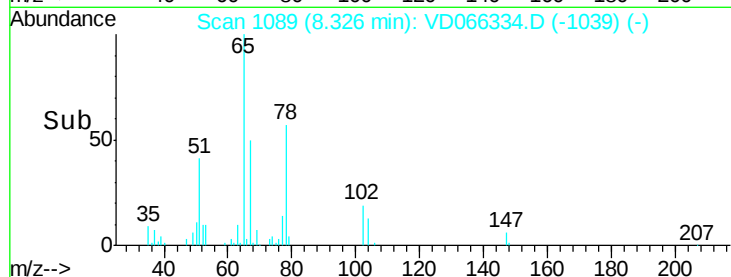
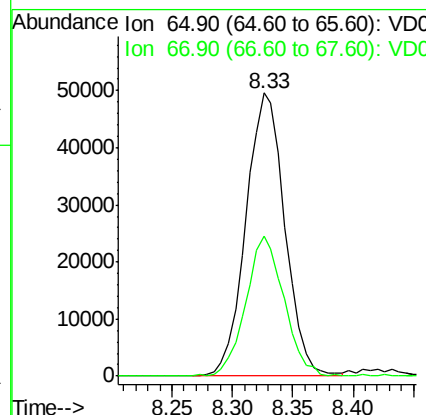
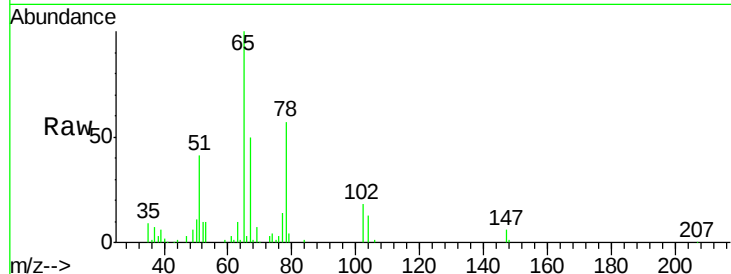
#33
 1,2-Dichloroethane-d4
 Concen: 59.893 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111474		
67	48.4	0.0	104.6	

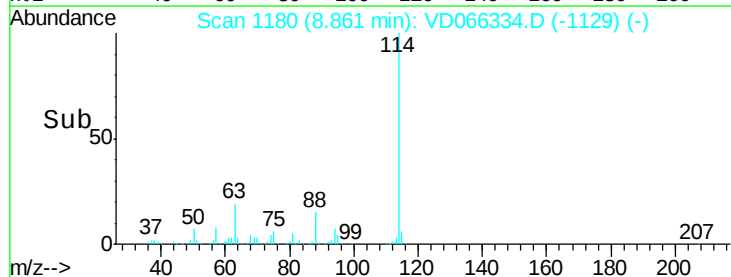
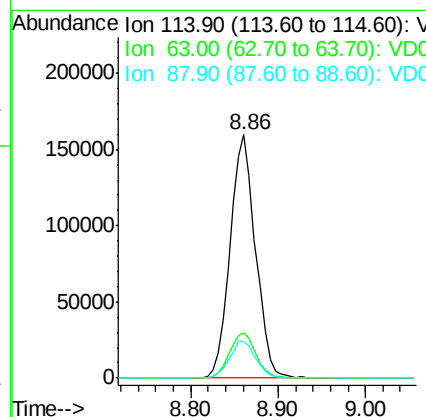
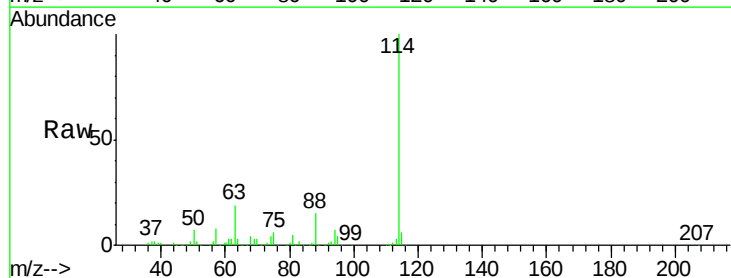
Manual Integrations
 APPROVED

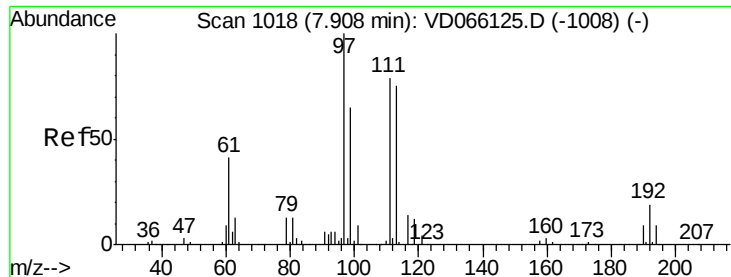
MMDadoda
 8/20/2020 3:37:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	315799		
63	18.6	0.0	38.6	
88	14.9	0.0	30.0	





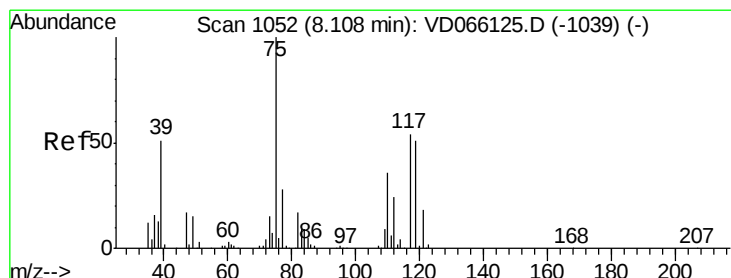
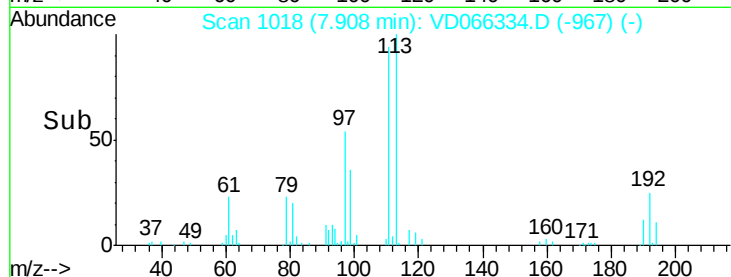
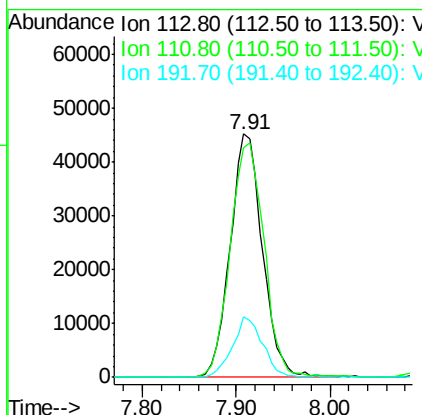
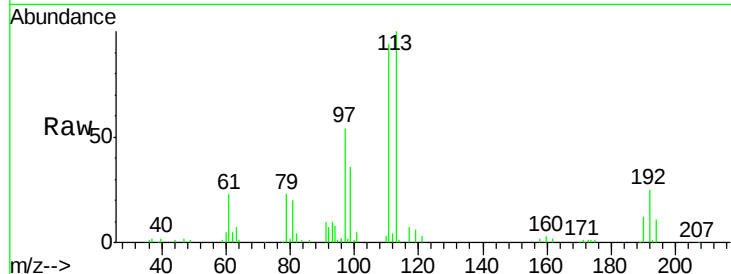
#35
 Dibromofluoromethane
 Concen: 53.978 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107985		
111	100.9		80.7	121.1
192	23.0		18.4	27.6

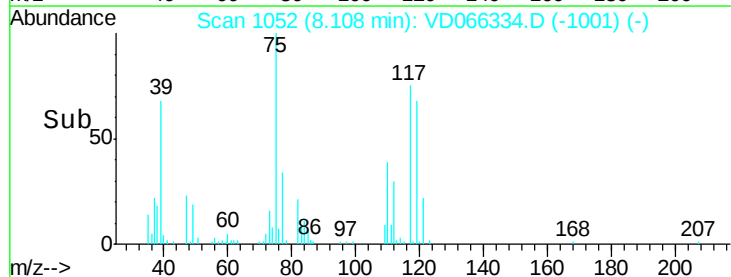
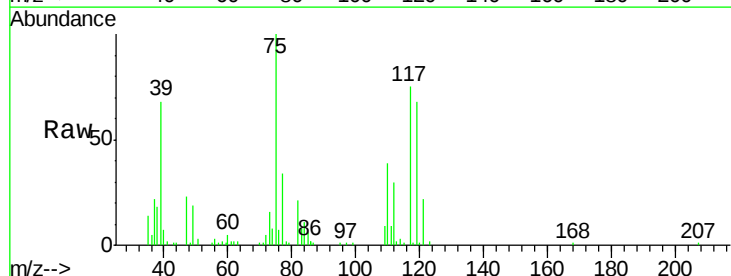
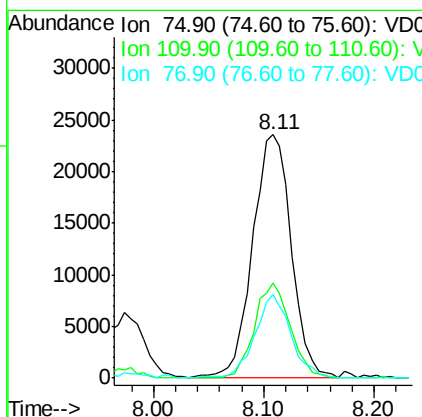
Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:37:05 PM



#36
 1,1-Dichloropropene
 Concen: 19.527 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57947		
110	36.1		18.8	56.3
77	31.6		24.2	36.2





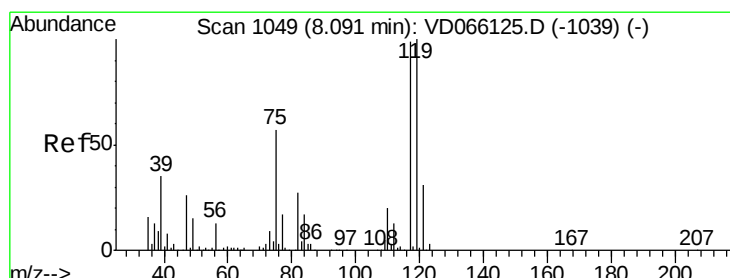
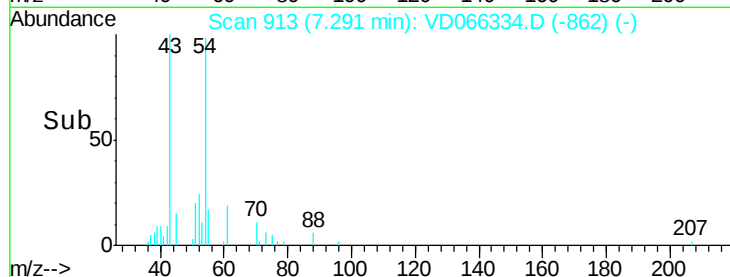
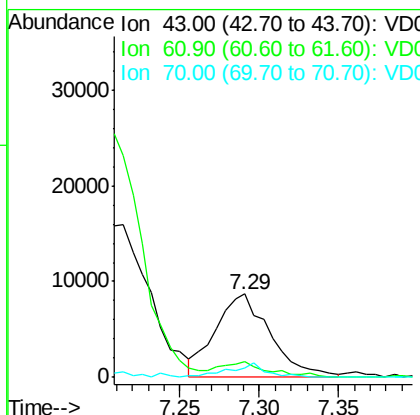
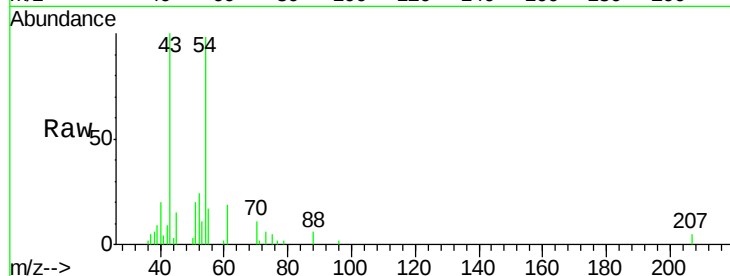
#37
Ethyl Acetate
Concen: 17.836 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	12.0	18.0
70	11.8	9.7	14.5

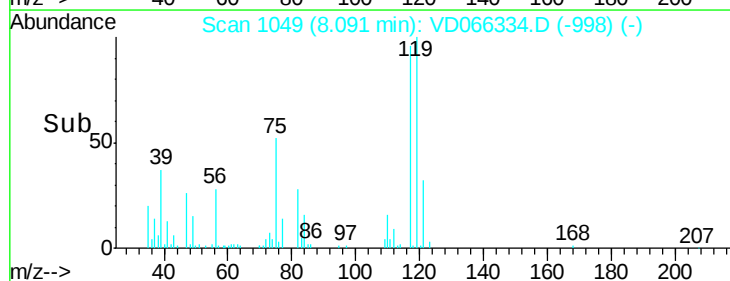
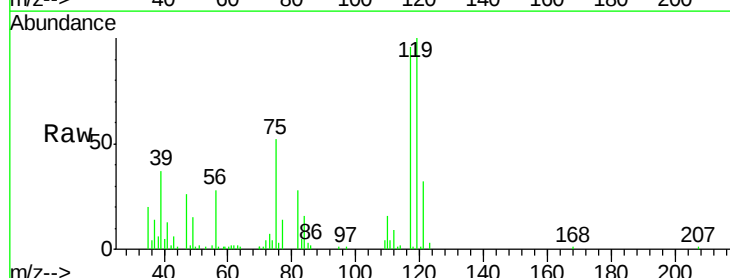
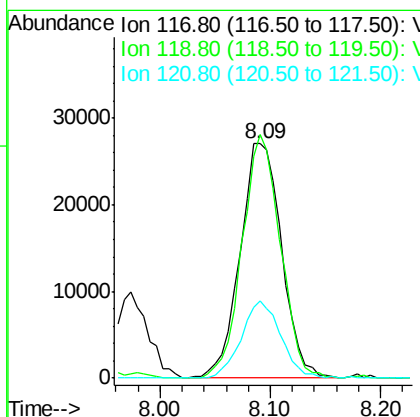
Manual Integrations
APPROVED

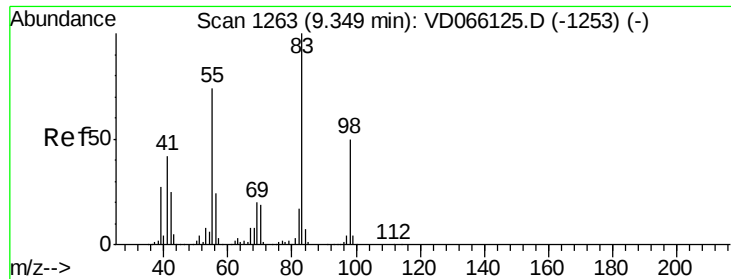
MMDadoda
8/20/2020 3:37:05 PM



#38
Carbon Tetrachloride
Concen: 21.588 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.8	81.0	121.4
121	32.9	24.8	37.2





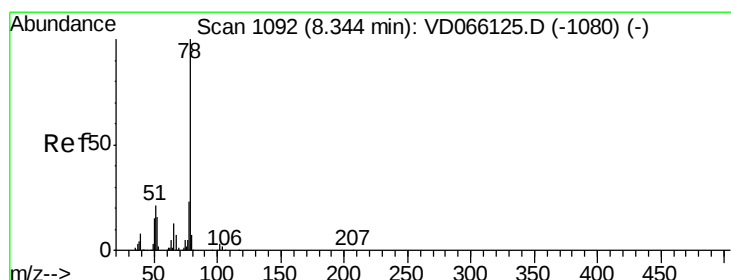
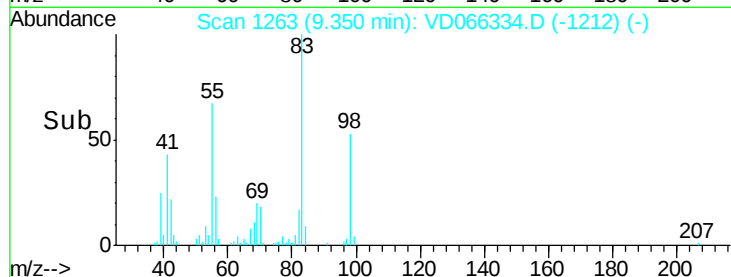
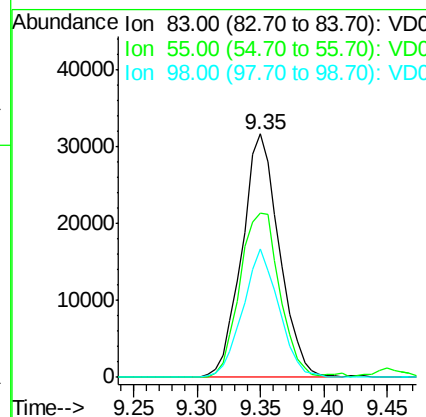
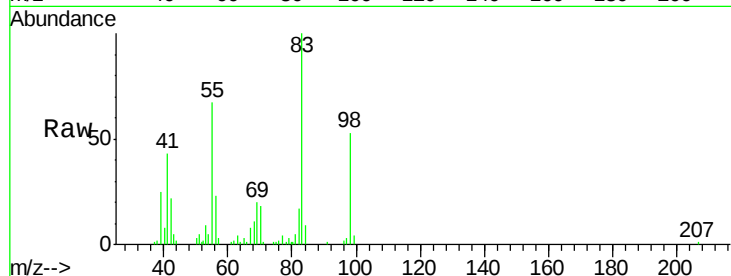
#39
Methvlcvclohexane
Concen: 18.102 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.4	59.2	88.8
98	52.7	39.8	59.6

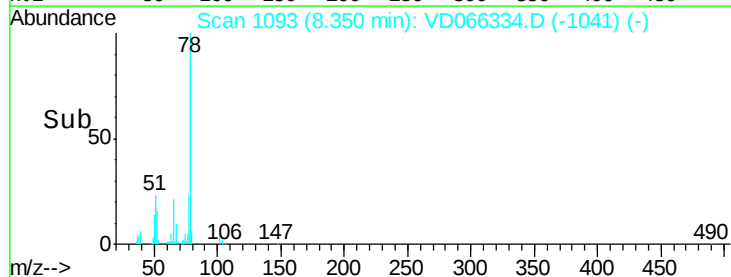
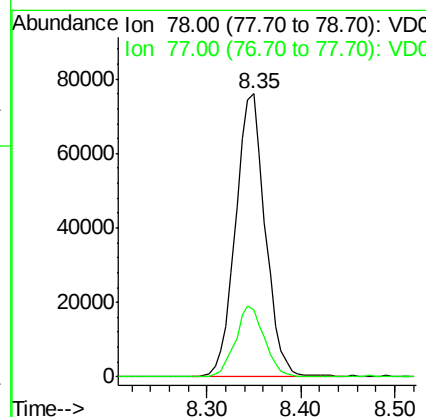
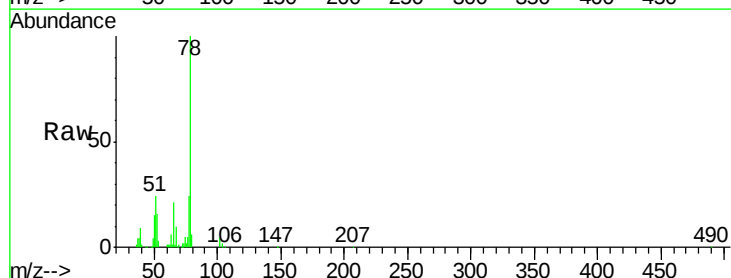
Manual Integrations
APPROVED

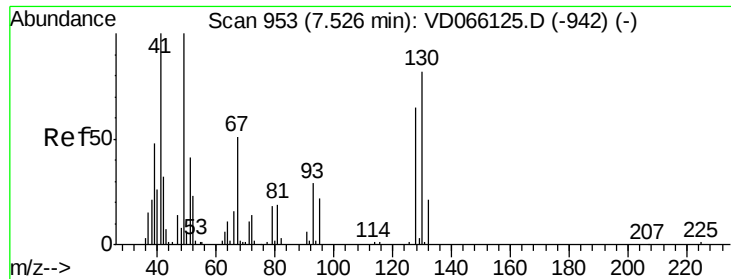
MMDadoda
8/20/2020 3:37:05 PM



#40
Benzene
Concen: 20.251 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	27.8





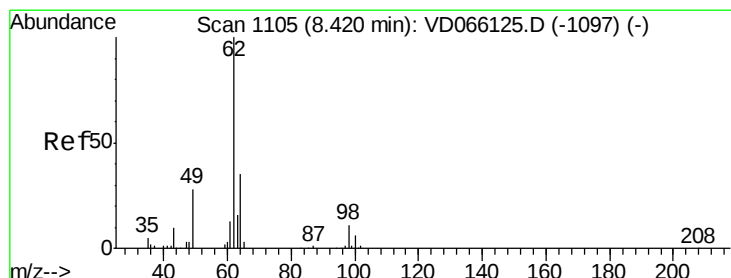
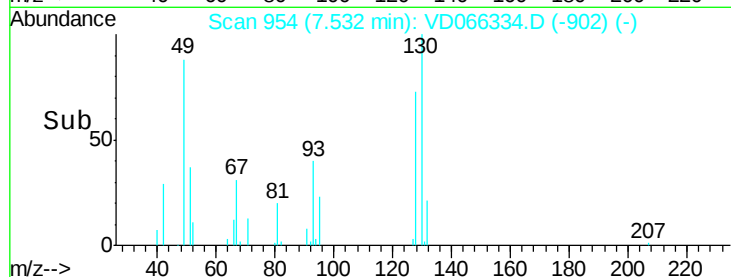
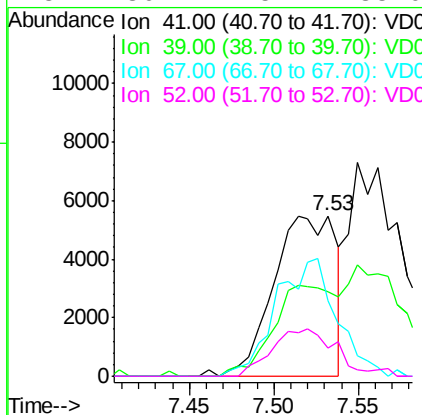
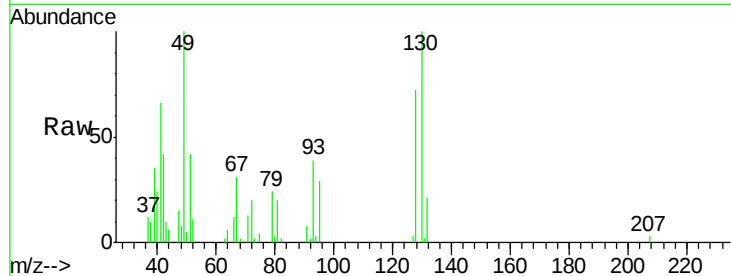
#41
Methacrylonitrile
Concen: 20.291 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion:	41	Resp:	14028
Ion	Ratio	Lower	Upper
41	100		
39	57.1	47.5	71.3
67	71.4	59.1	88.7
52	30.4	25.4	38.0

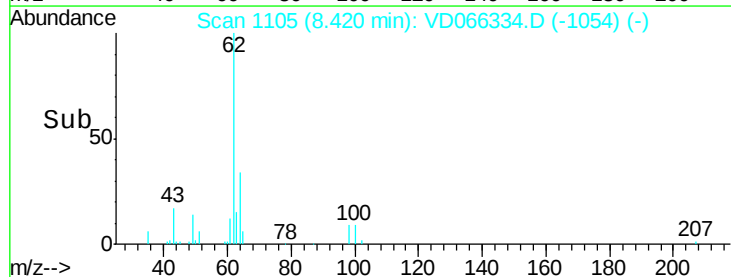
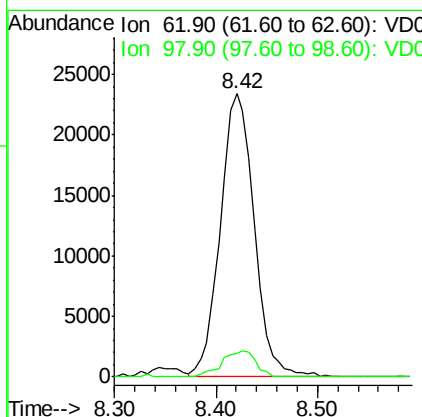
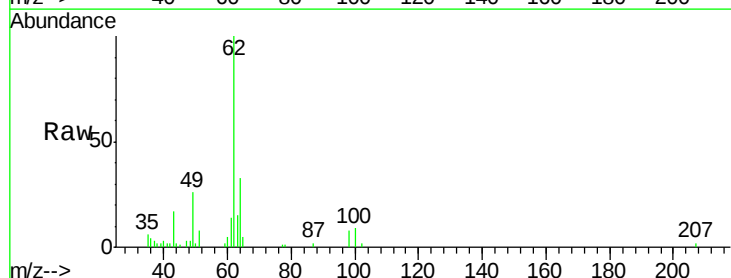
Manual Integrations
APPROVED

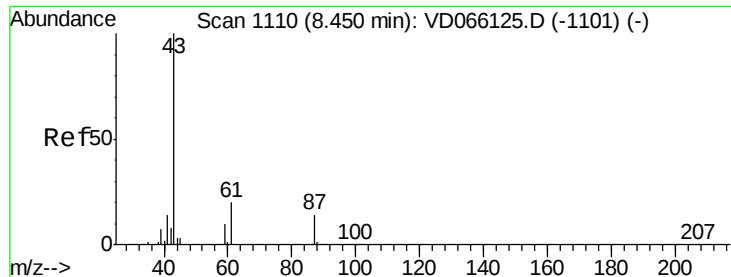
MMDadoda
8/20/2020 3:37:05 PM



#42
1,2-Dichloroethane
Concen: 22.442 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion:	62	Resp:	54273
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.4





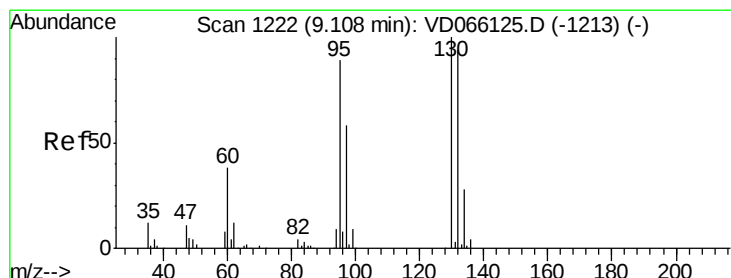
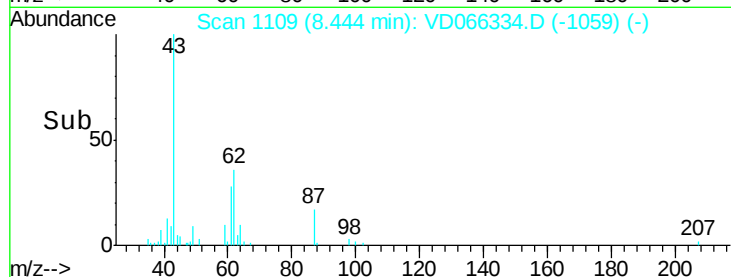
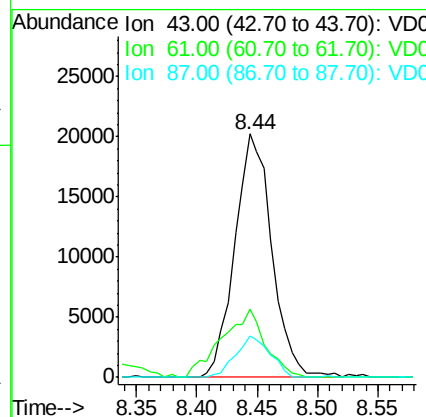
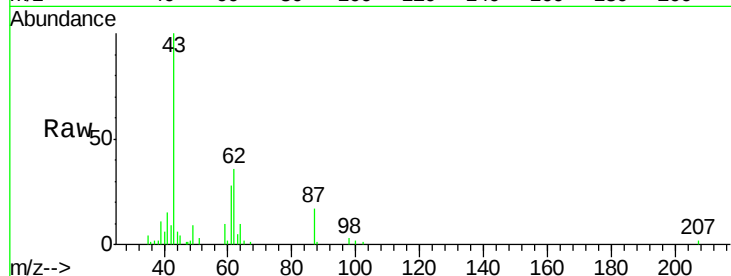
#43
Isopropyl Acetate
Concen: 18.725 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleID :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.5	38.3
87	15.6	11.2	16.8

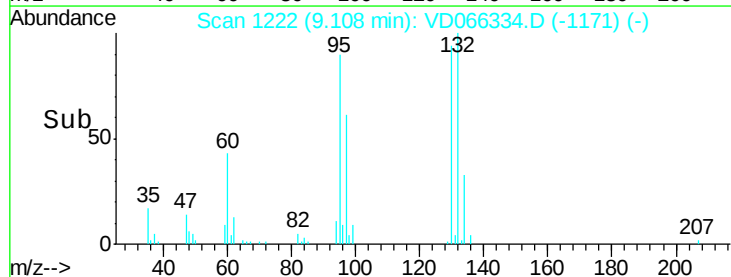
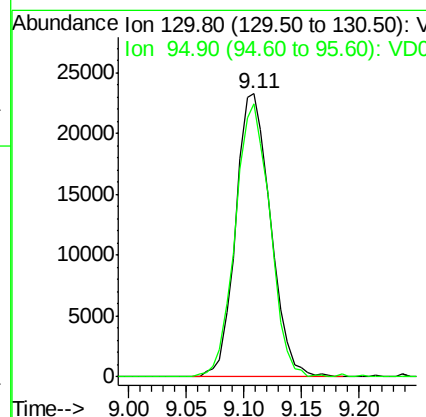
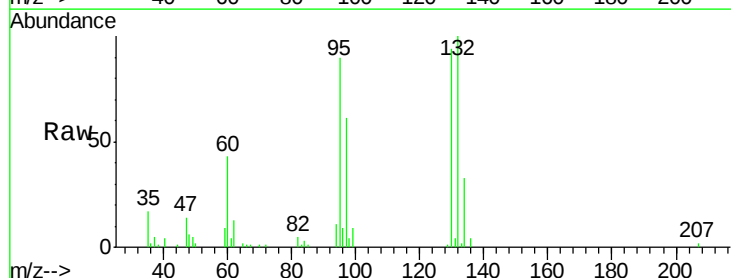
Manual Integrations
APPROVED

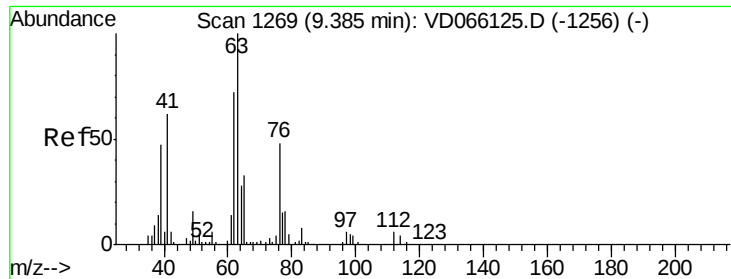
MMDadoda
8/20/2020 3:37:05 PM



#44
Trichloroethene
Concen: 19.614 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	178.4





#45

1,2-Dichloropropane

Concen: 19.145 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBSD02

Tot Ion: 63 Resp: 38546

Ion Ratio Lower Upper

63 100

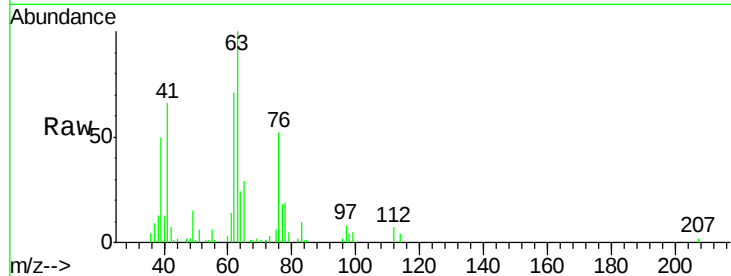
65 28.5 26.5 39.7

Manual Integrations

APPROVED

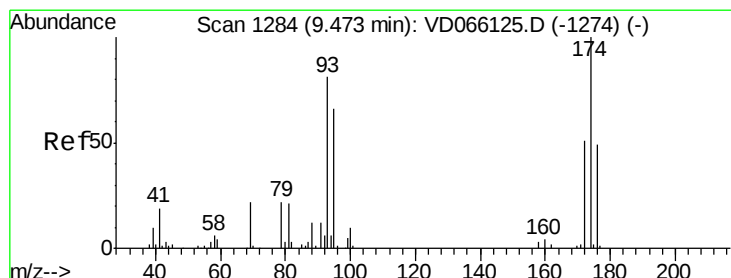
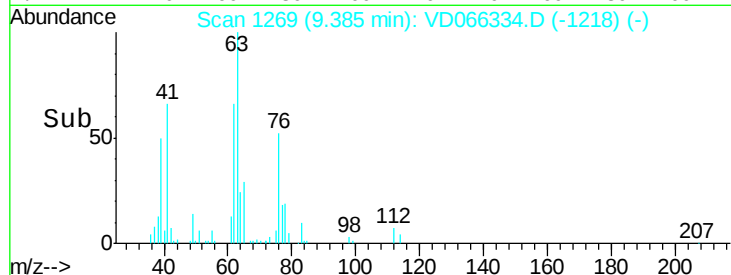
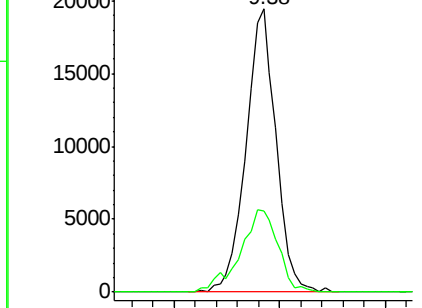
MMDadoda

8/20/2020 3:37:05 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.202 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

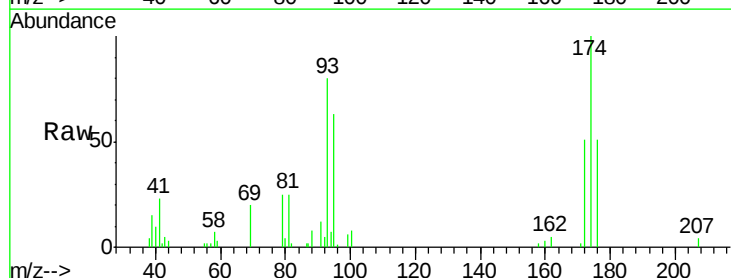
Tgt Ion: 93 Resp: 22405

Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.6

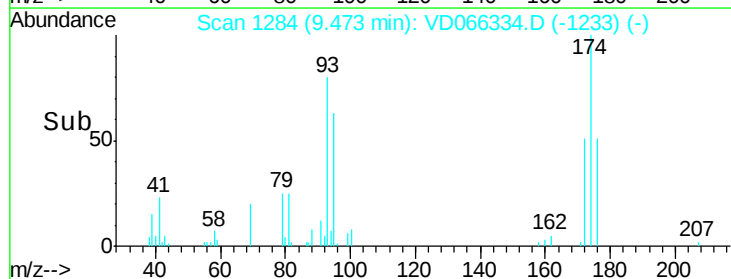
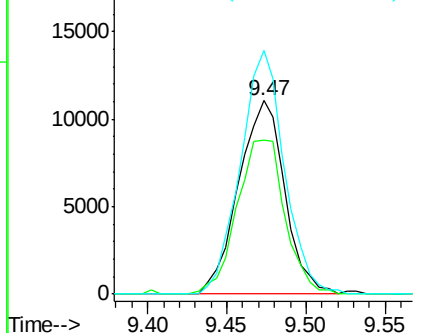
174 120.0 92.8 139.2

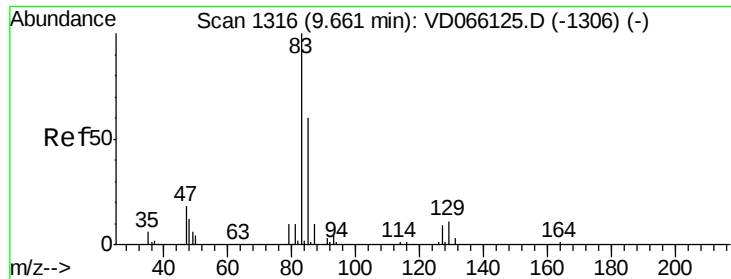


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





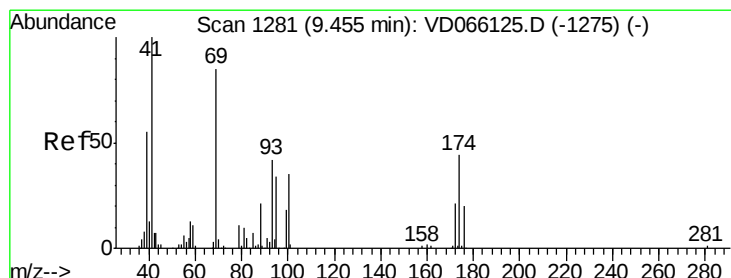
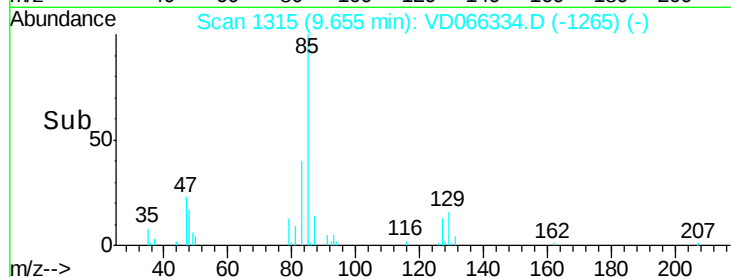
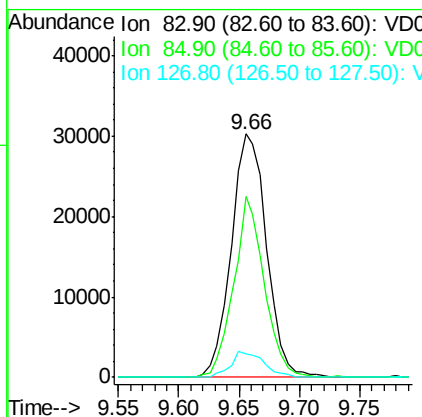
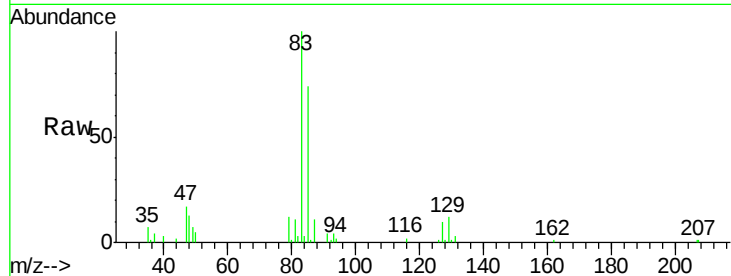
#47
Bromodichloromethane
Concen: 21.015 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion	83	Resp	61598
Ion Ratio	100	Lower	Upper
83	100		
85	74.4	48.2	72.4#
127	9.8	7.3	10.9

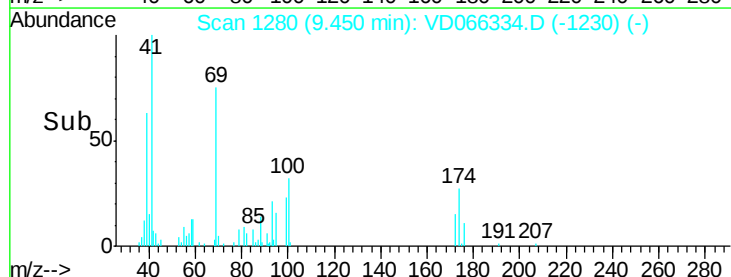
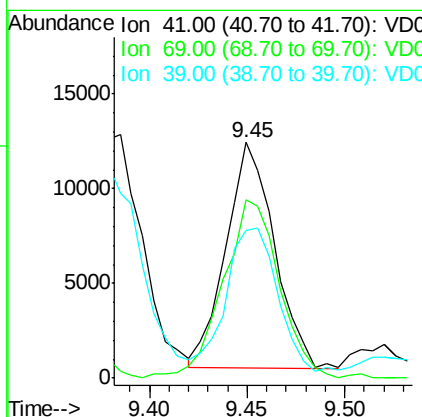
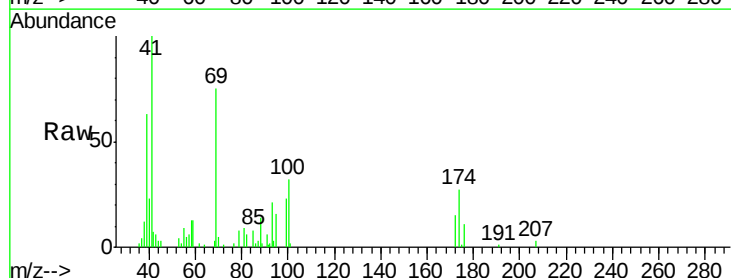
Manual Integrations
APPROVED

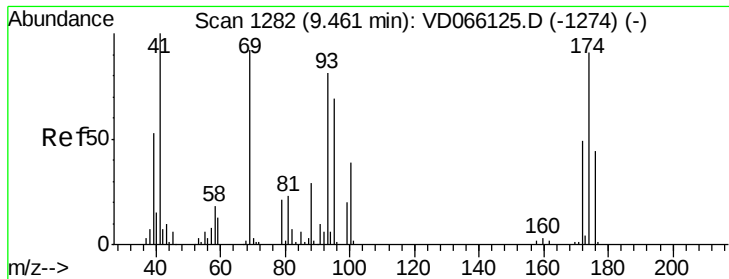
MMDadoda
8/20/2020 3:37:05 PM



#48
Methyl methacrylate
Concen: 17.384 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	41	Resp	20564
Ion Ratio	100	Lower	Upper
41	100		
69	91.0	63.9	95.9
39	74.8	42.6	64.0#





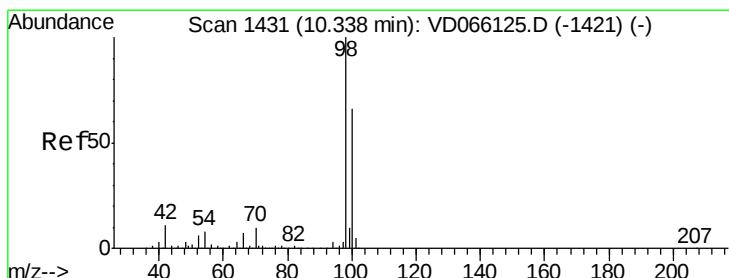
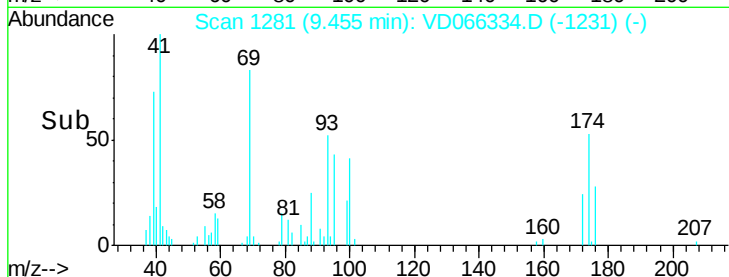
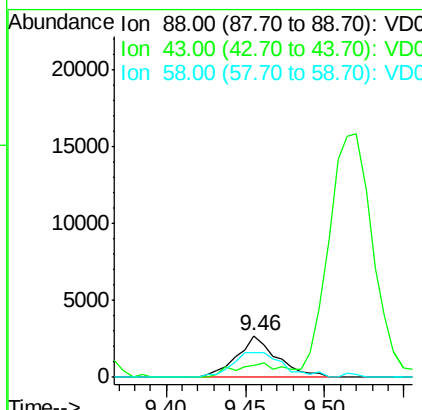
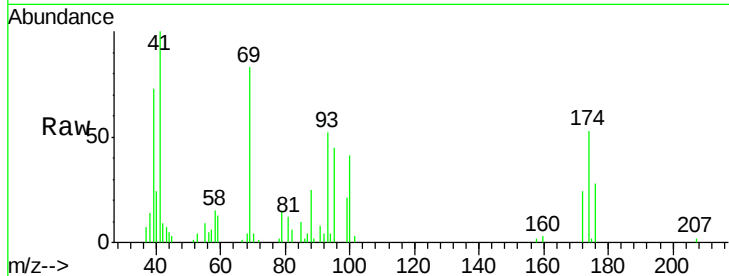
#49
1,4-Dioxane
Concen: 330.358 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.8	27.5	41.3#
58	76.9	50.2	75.4#

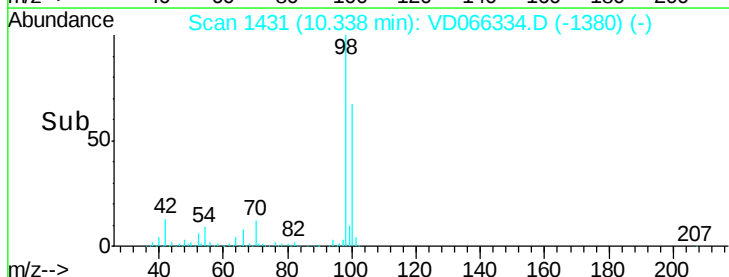
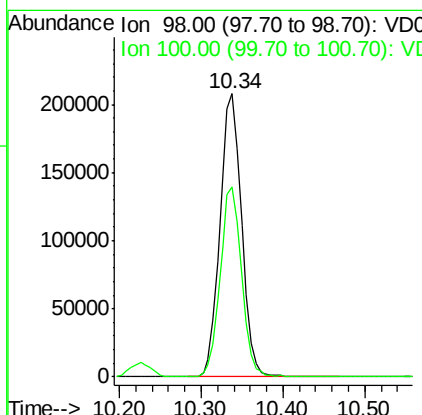
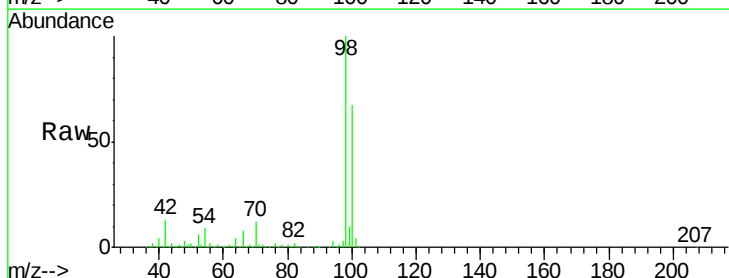
Manual Integrations
APPROVED

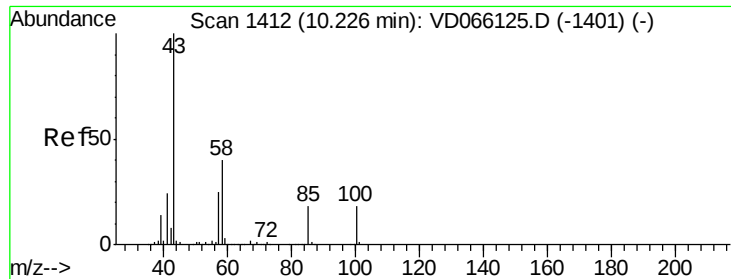
MMDadoda
8/20/2020 3:37:05 PM



#50
Toluene-d8
Concen: 51.839 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 89.427 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 43 Resp: 106415

Ion Ratio Lower Upper

43 100

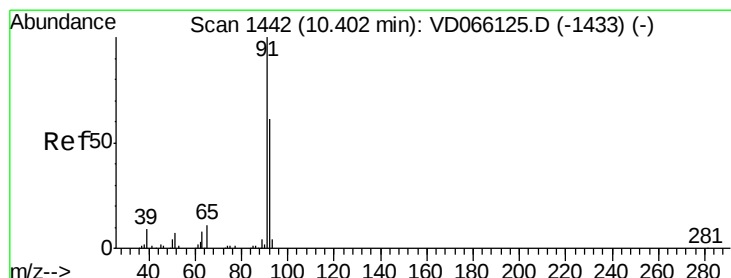
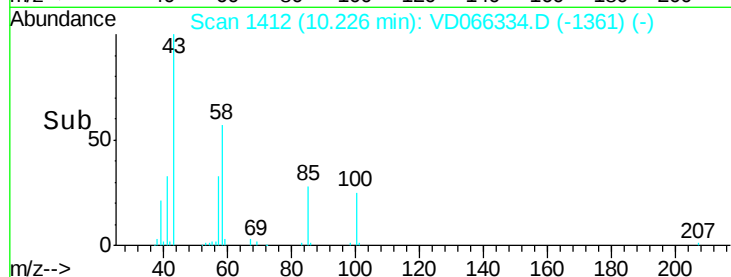
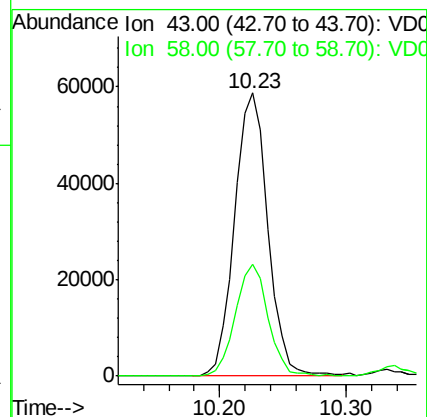
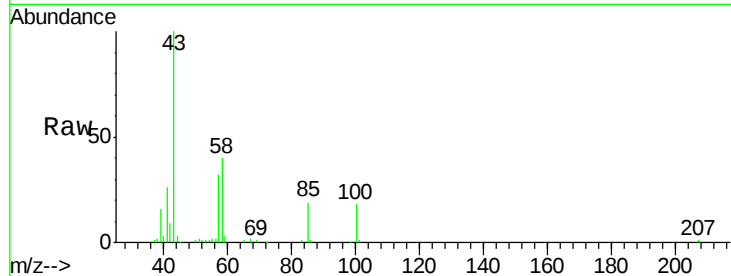
58 39.1 31.1 46.7

Manual Integrations

APPROVED

MMDadoda

8/20/2020 3:37:05 PM



#52

Toluene

Concen: 20.154 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066334.D

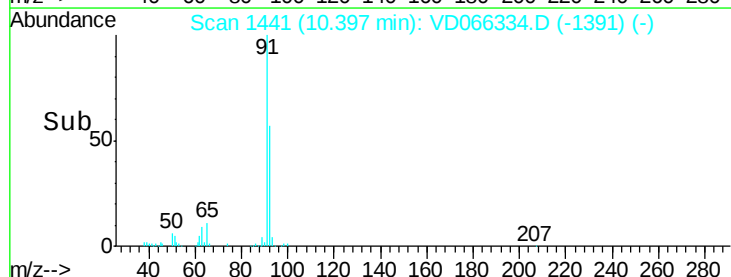
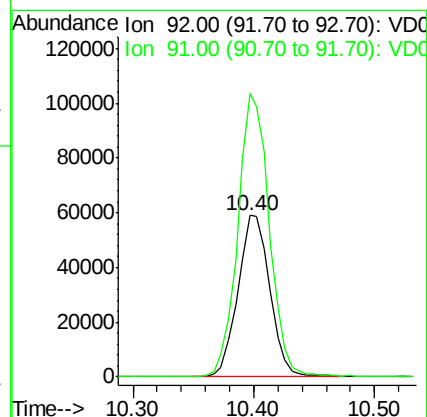
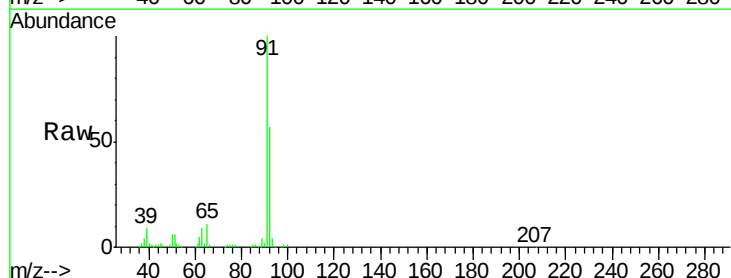
Acq: 20 Aug 2020 00:31

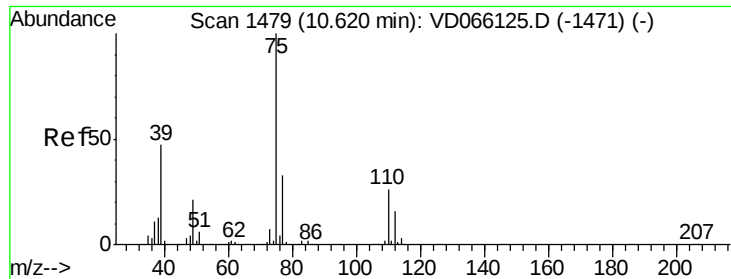
Tgt Ion: 92 Resp: 109172

Ion Ratio Lower Upper

92 100

91 172.2 135.2 202.8





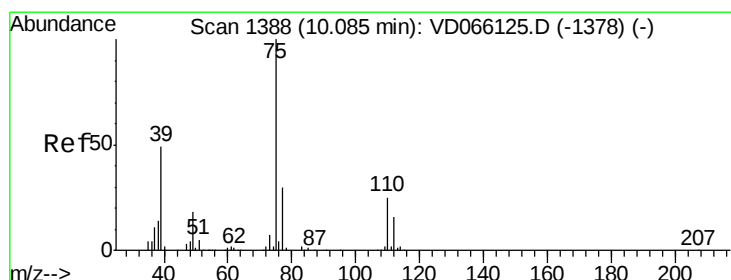
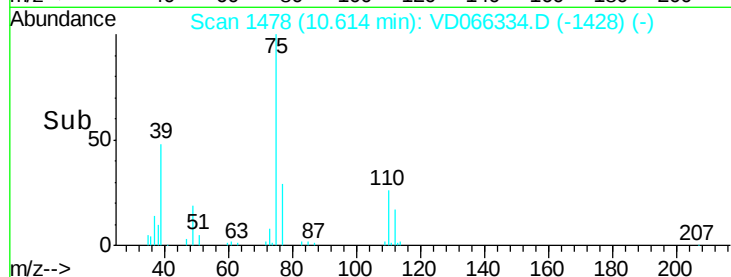
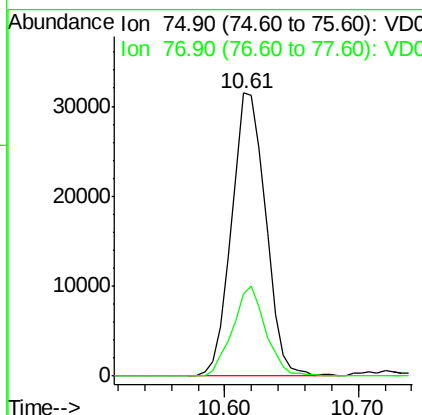
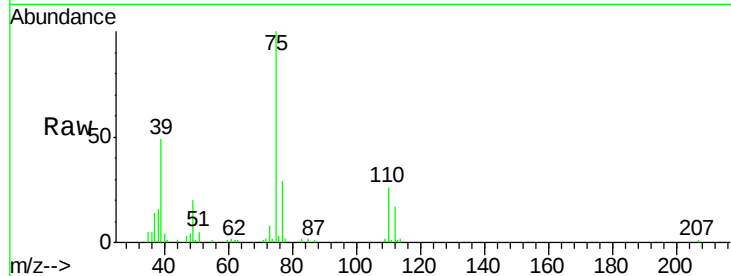
#53
 t-1,3-Dichloropropene
 Concen: 20.121 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion: 75 Resp: 55971
 Ion Ratio Lower Upper
 75 100
 77 29.2 26.2 39.2

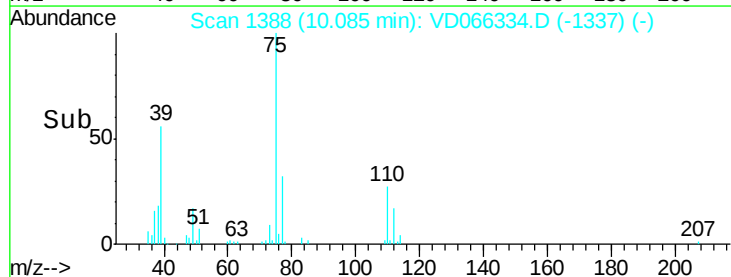
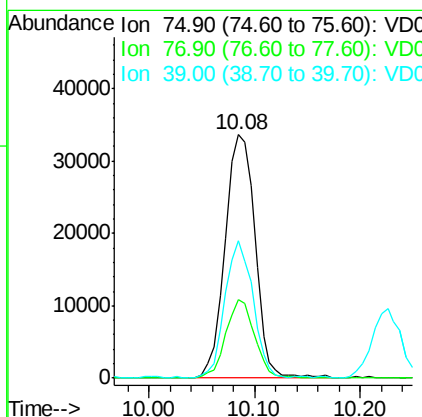
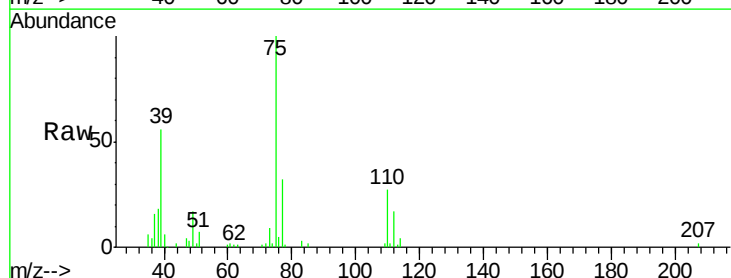
Manual Integrations
 APPROVED

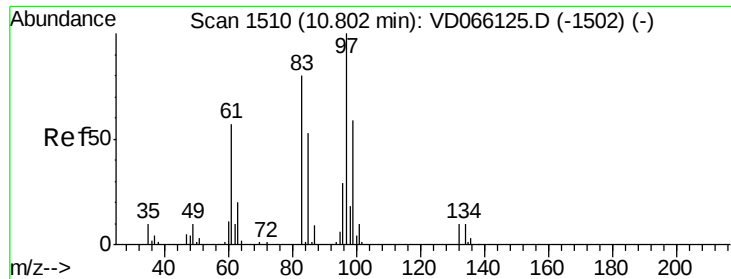
MMDadoda
 8/20/2020 3:37:05 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.264 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 75 Resp: 66042
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.3 36.5
 39 56.2 39.3 58.9





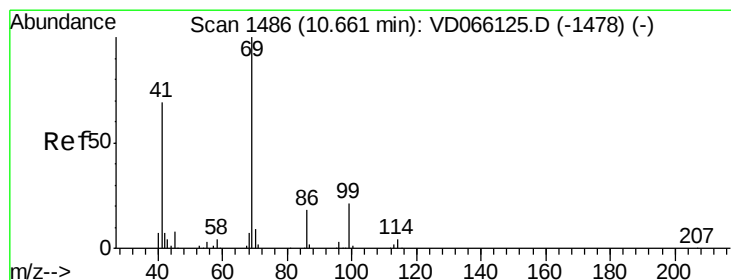
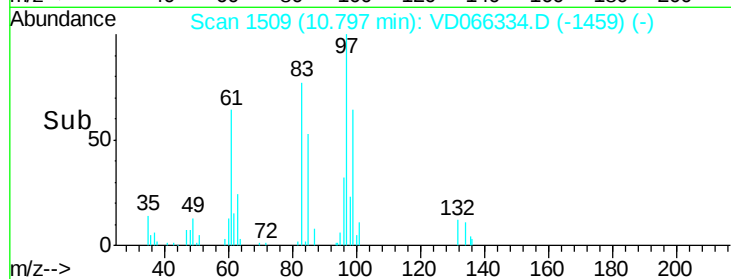
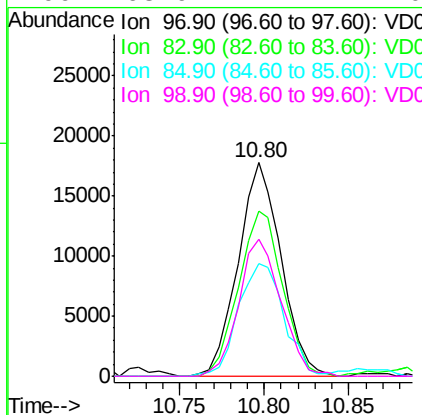
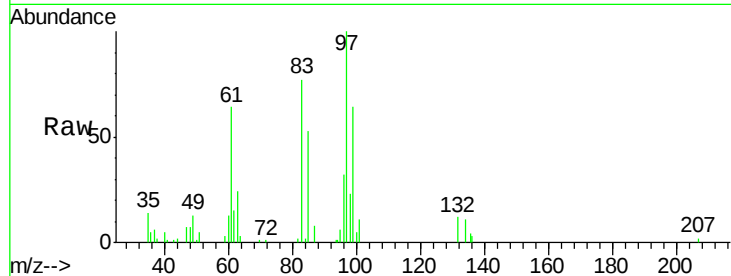
#55
 1,1,2-Trichloroethane
 Concen: 19.658 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion:	97	Resp:	31392
Ion	Ratio	Lower	Upper
97	100		
83	77.2	63.9	95.9
85	52.8	42.5	63.7
99	63.9	47.4	71.0

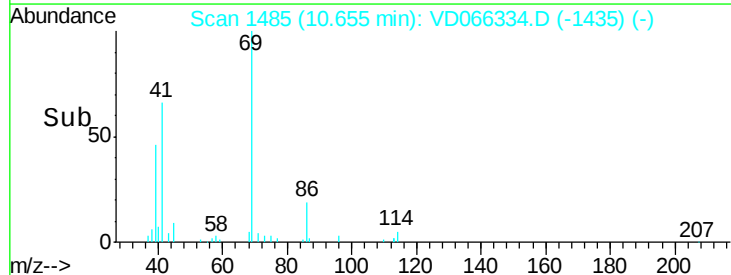
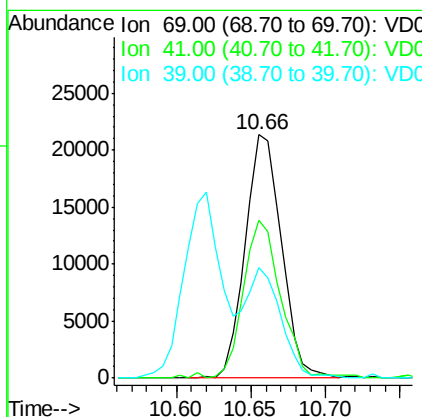
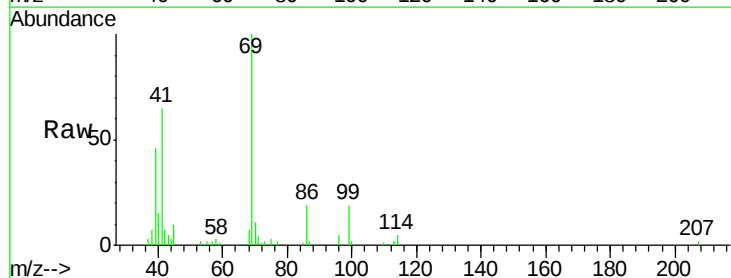
Manual Integrations
 APPROVED

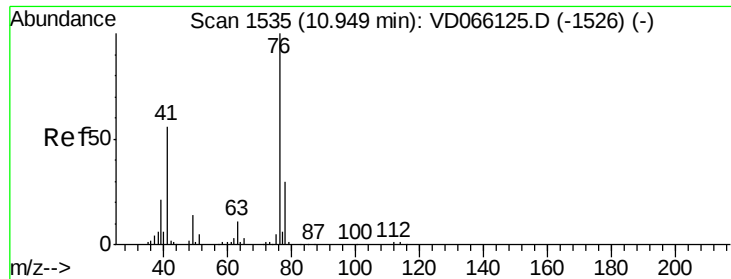
MMDadoda
 8/20/2020 3:37:05 PM



#56
 Ethyl methacrylate
 Concen: 18.685 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion:	69	Resp:	35845
Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.1	81.1
39	45.6	28.6	43.0#





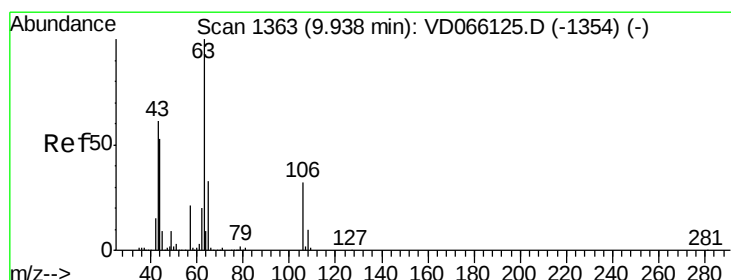
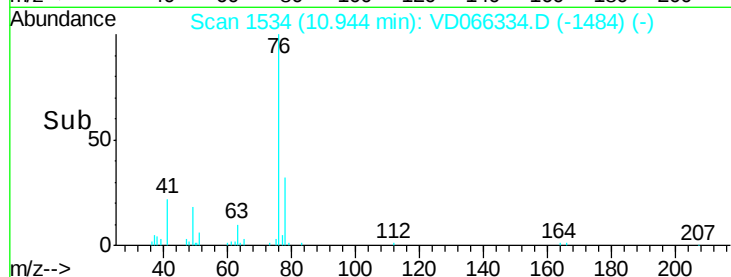
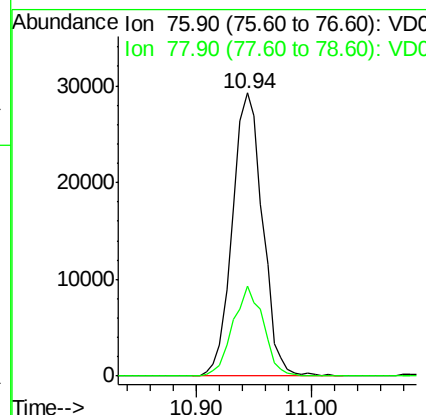
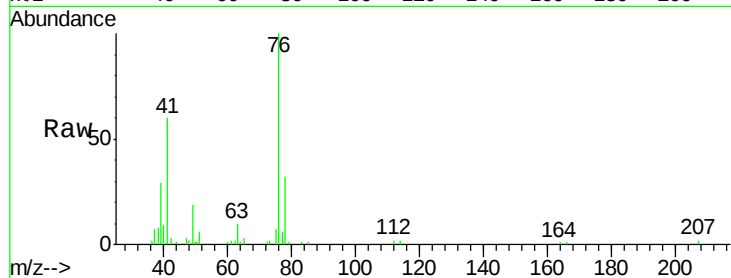
#57
 1,3-Dichloropropane
 Concen: 19.983 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

Tot Ion: 76 Resp: 52979
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

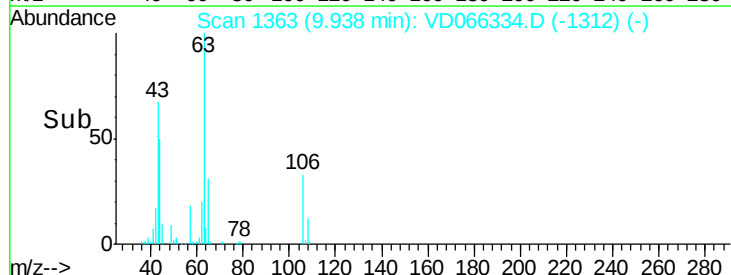
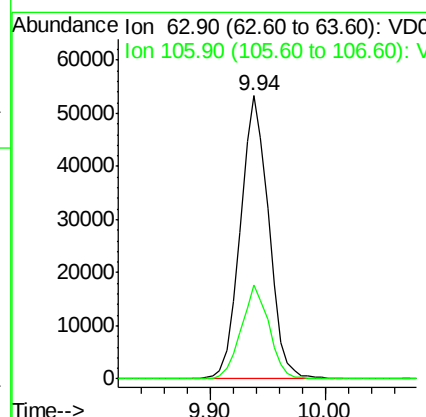
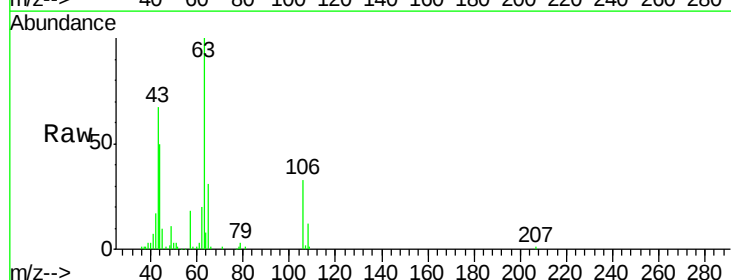
Manual Integrations
 APPROVED

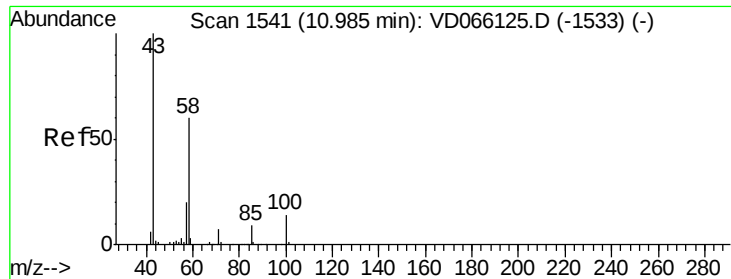
MMDadoda
 8/20/2020 3:37:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.000 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 63 Resp: 90606
 Ion Ratio Lower Upper
 63 100
 106 32.7 25.3 37.9





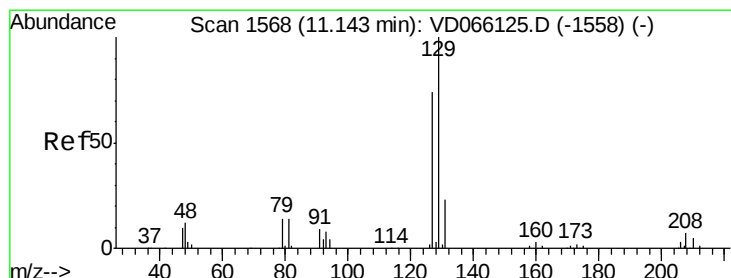
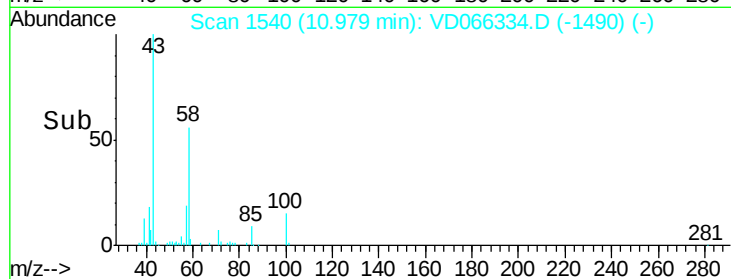
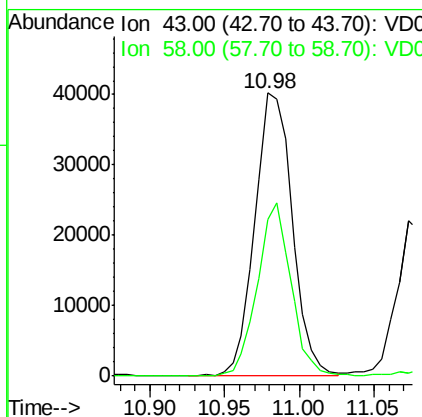
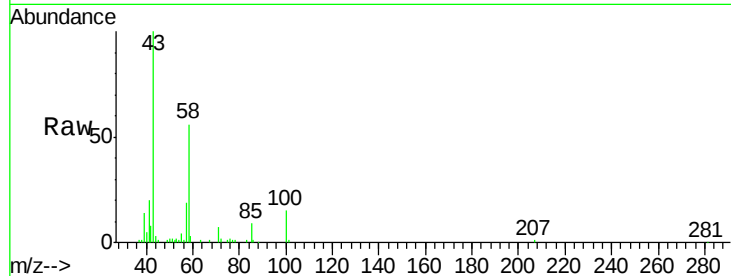
#59
2-Hexanone
Concen: 83.796 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.8	83.4

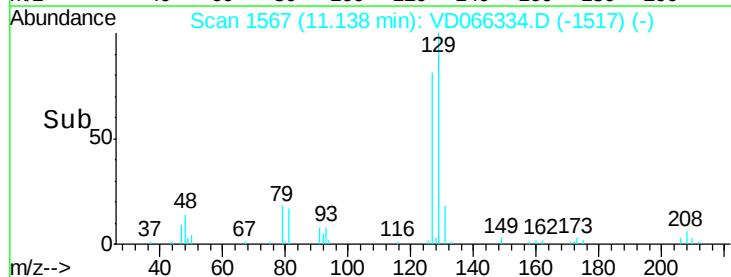
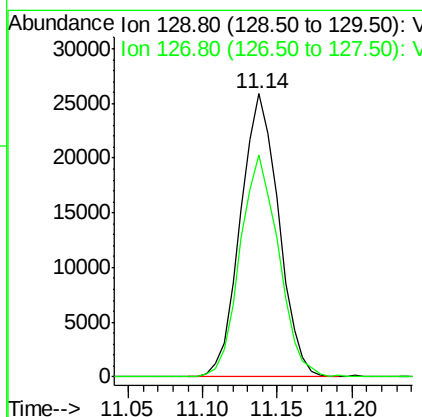
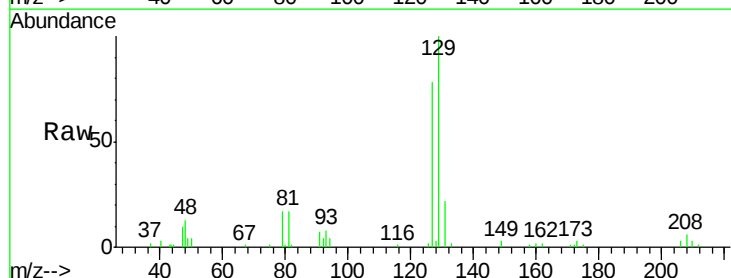
Manual Integrations
APPROVED

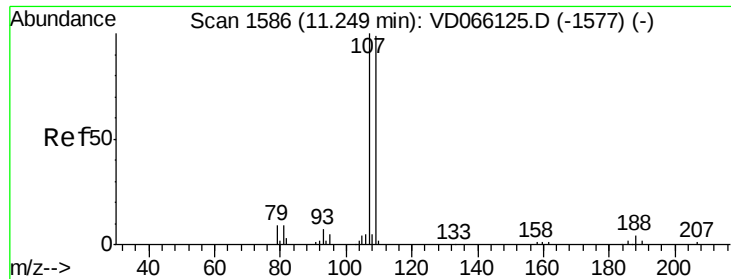
MMDadoda
8/20/2020 3:37:05 PM



#60
Dibromochloromethane
Concen: 20.862 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.0	114.1





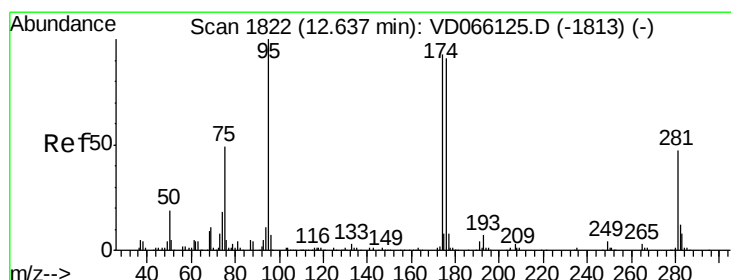
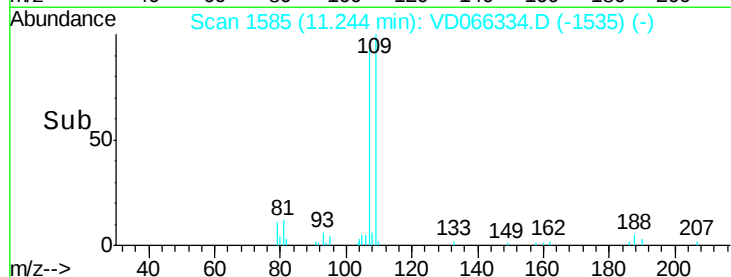
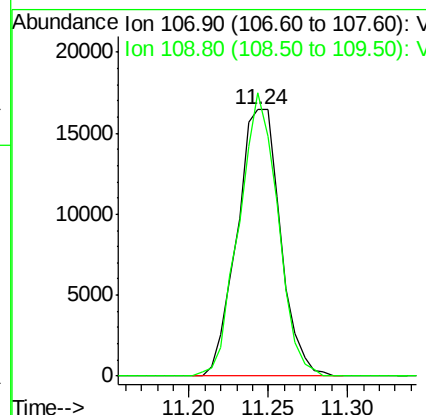
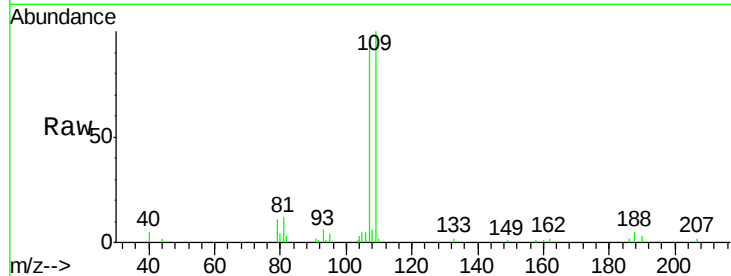
#61
 1,2-Dibromoethane
 Concen: 20.315 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion: 107 Resp: 31199
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.5 114.7

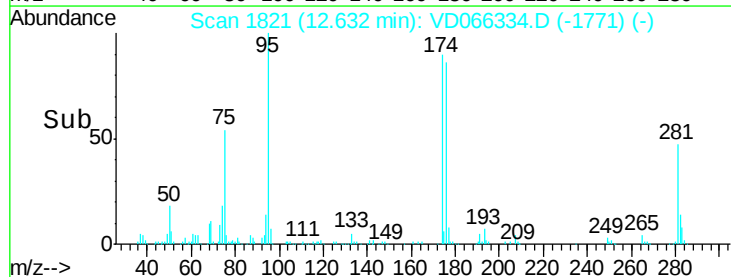
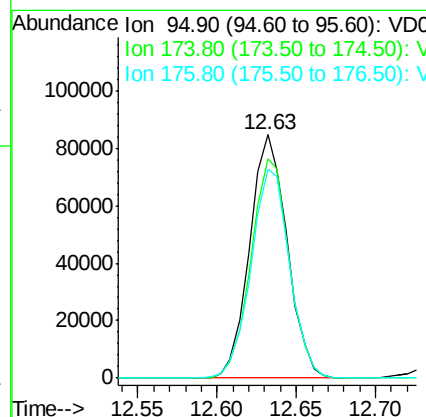
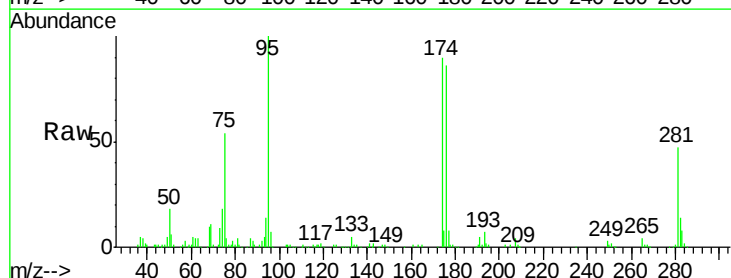
Manual Integrations
 APPROVED

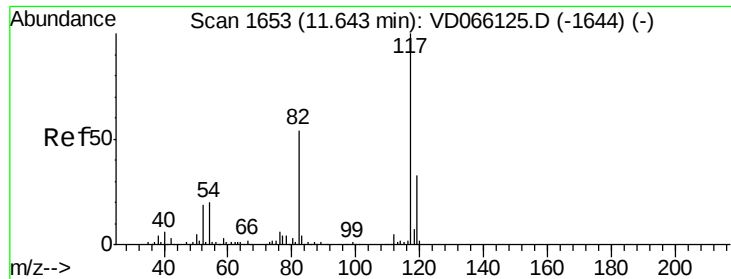
MMDadoda
 8/20/2020 3:37:05 PM



#62
 4-Bromofluorobenzene
 Concen: 52.208 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion: 95 Resp: 138931
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 180.8
 176 88.7 0.0 181.2





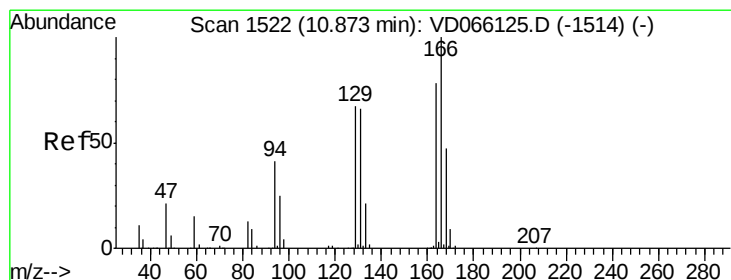
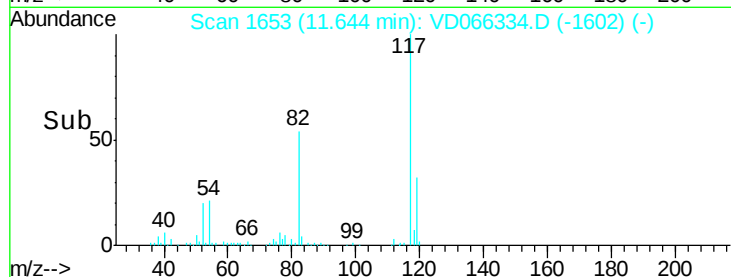
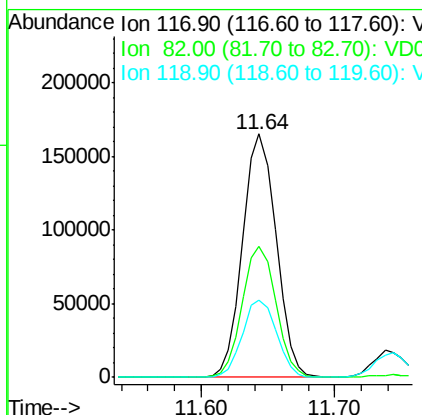
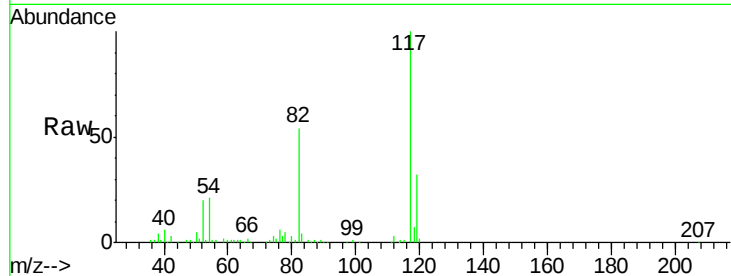
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289238		
82	54.0	43.0	64.4	
119	31.8	26.1	39.1	

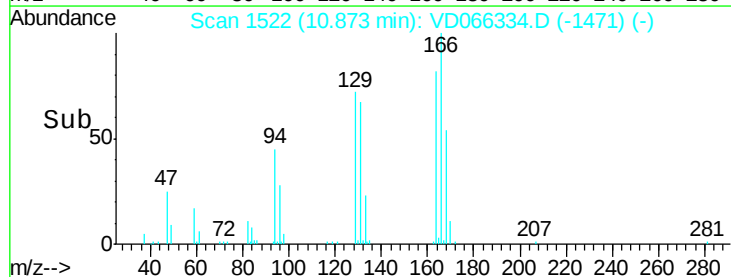
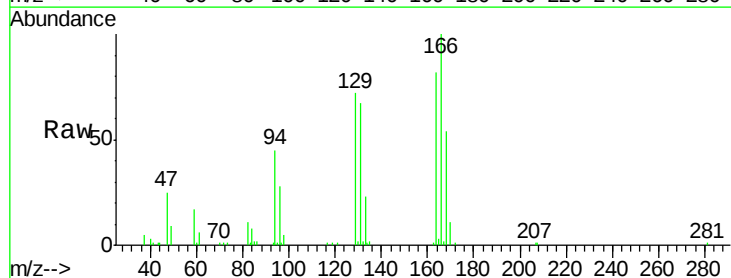
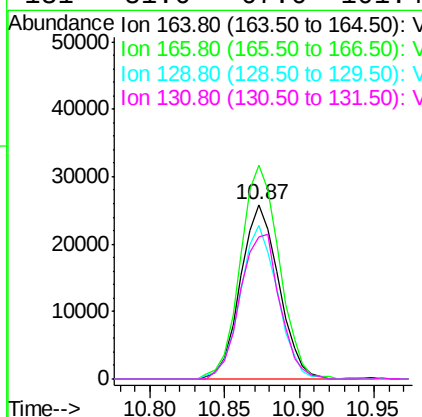
Manual Integrations
APPROVED

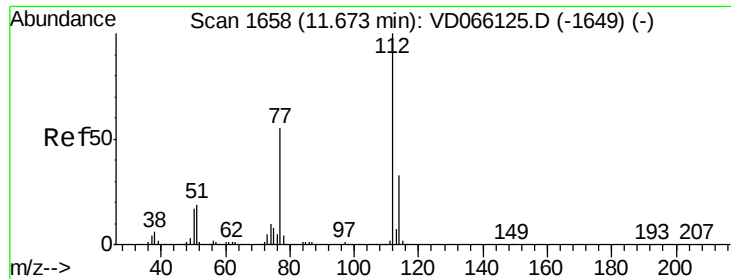
MMDadoda
8/20/2020 3:37:05 PM



#64
Tetrachloroethene
Concen: 20.673 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45915		
166	122.7	101.9	152.9	
129	88.4	68.1	102.1	
131	81.6	67.6	101.4	





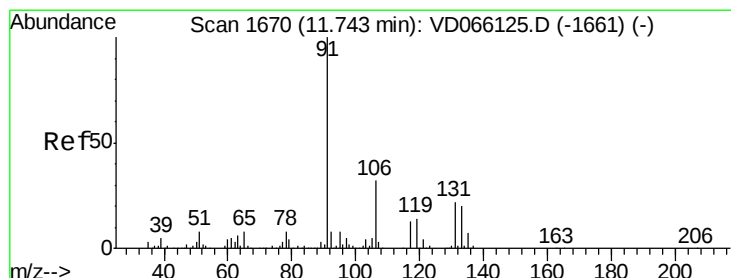
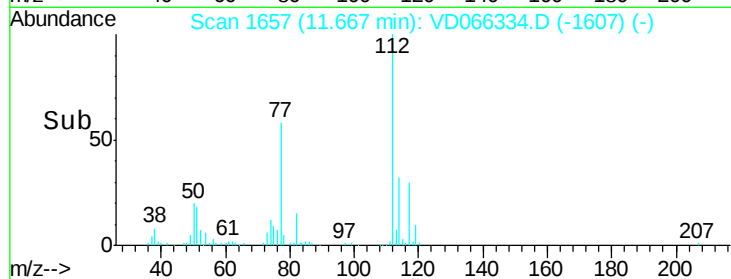
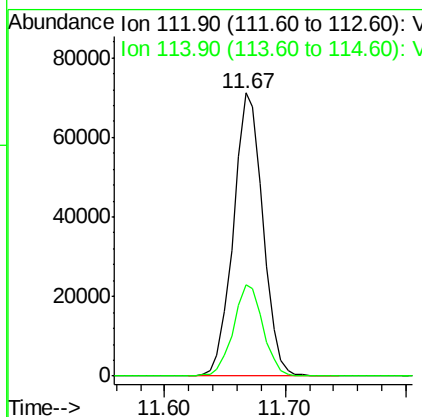
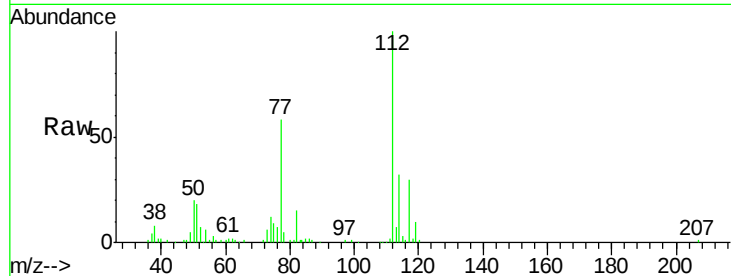
#65
Chlorobenzene
Concen: 20.672 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	121378		
114	32.1	26.1	39.1	

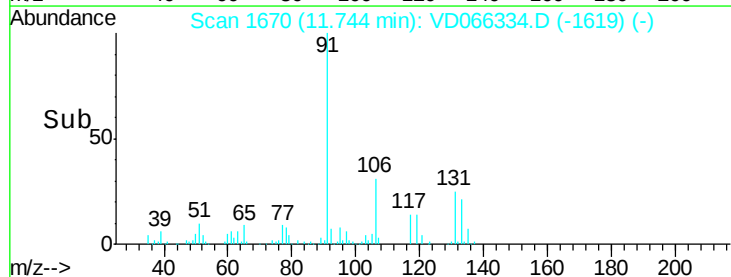
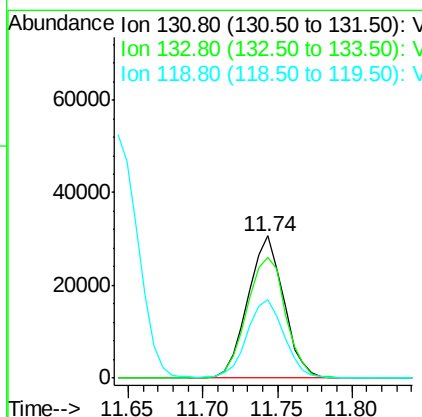
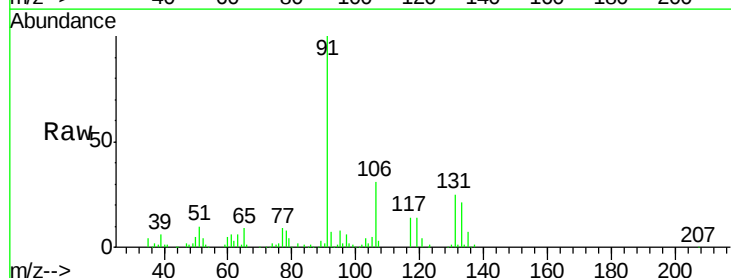
Manual Integrations
APPROVED

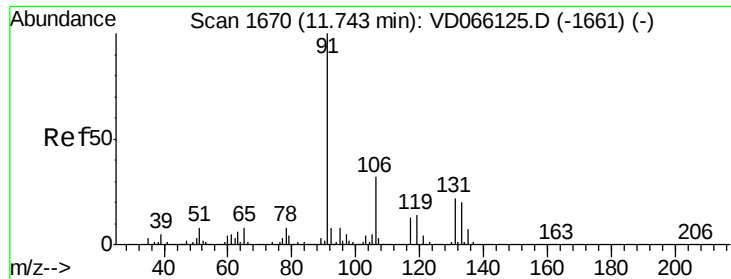
MMDadoda
8/20/2020 3:37:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.176 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	50947		
133	91.9	47.1	141.4	
119	57.3	31.6	94.7	





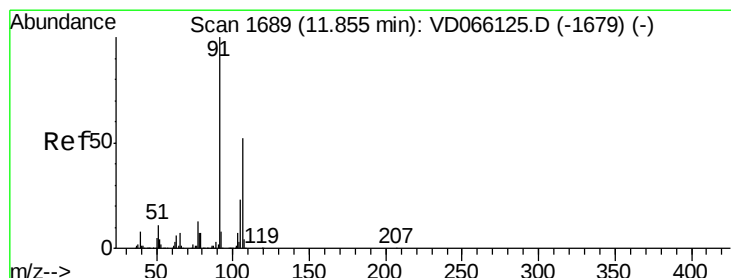
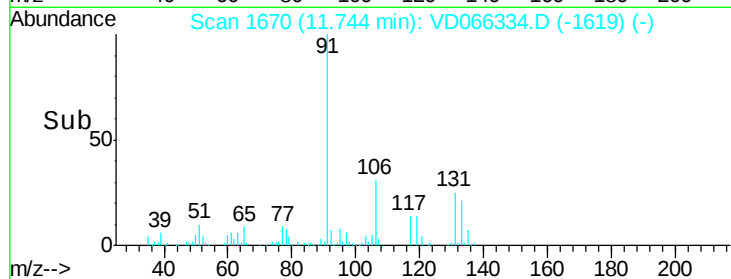
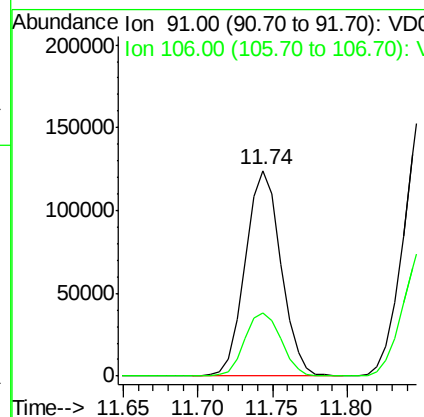
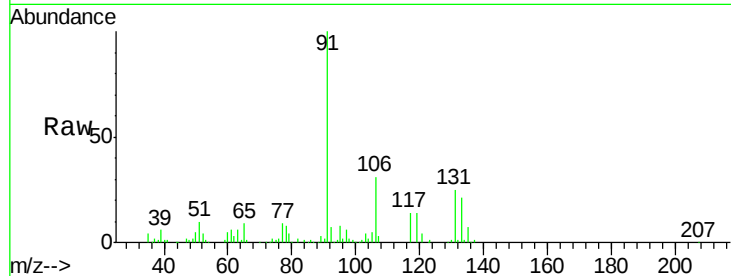
#67
Ethyl Benzene
Concen: 20.204 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion: 91 Resp: 205579
Ion Ratio Lower Upper
91 100
106 30.7 25.7 38.5

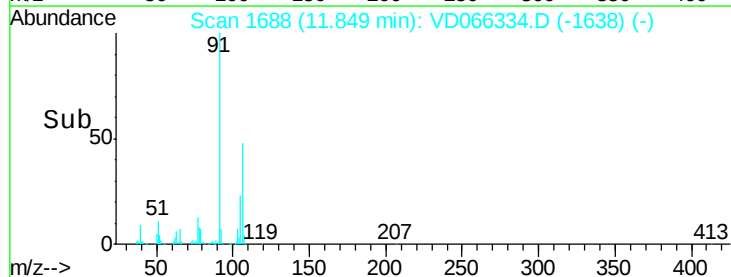
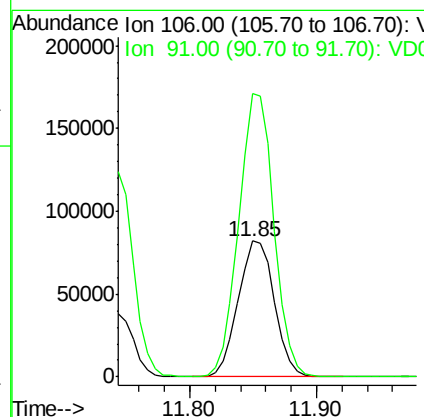
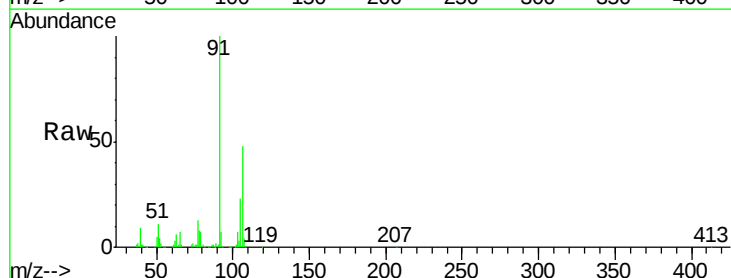
Manual Integrations
APPROVED

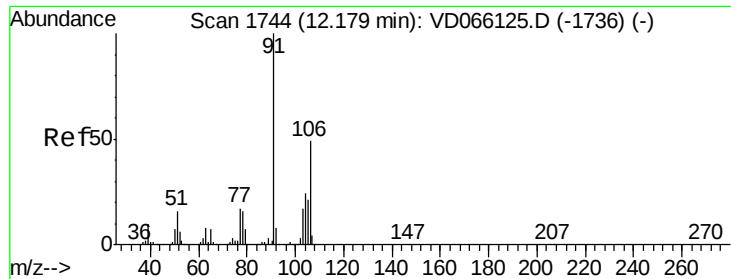
MMDadoda
8/20/2020 3:37:05 PM



#68
m/p-Xylenes
Concen: 41.156 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion: 106 Resp: 162245
Ion Ratio Lower Upper
106 100
91 202.4 156.6 235.0





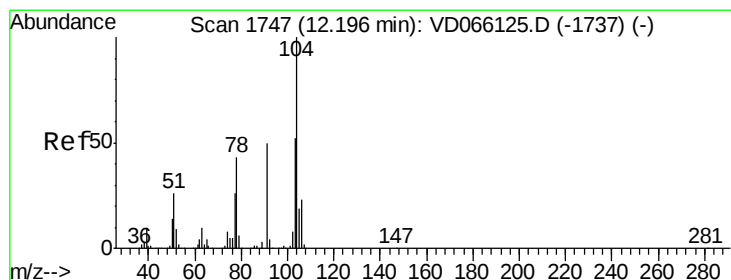
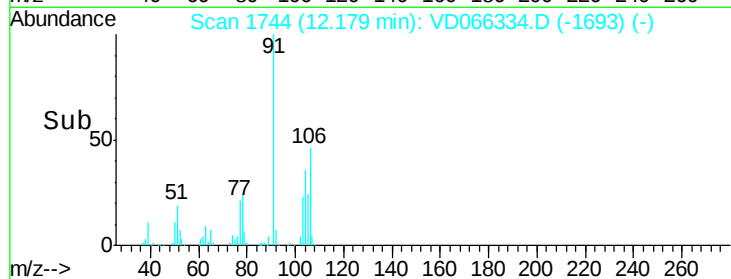
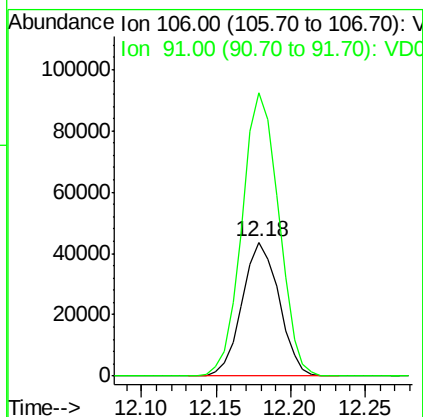
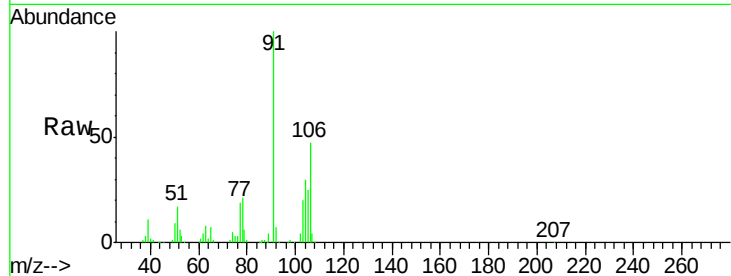
#69
o-Xylene
Concen: 20.840 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion:106 Resp: 74736
Ion Ratio Lower Upper
106 100
91 210.9 105.7 317.1

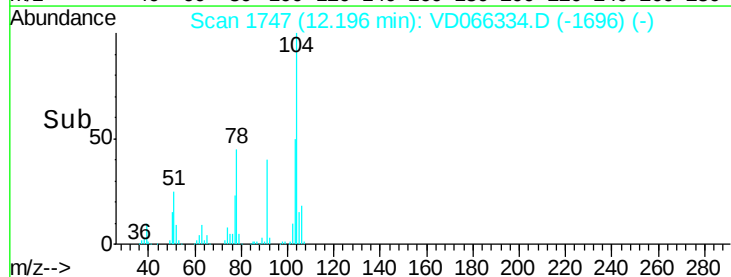
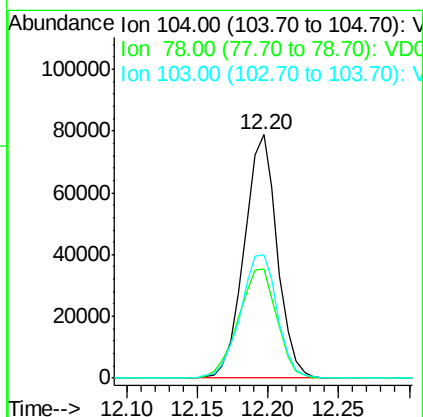
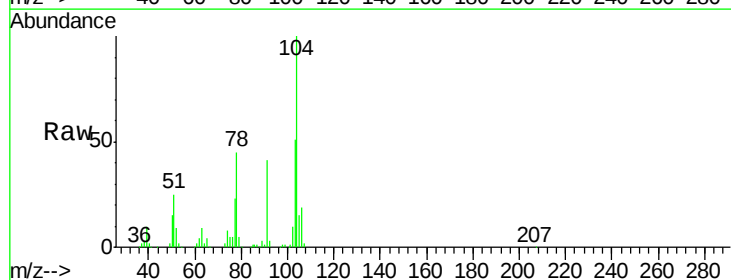
Manual Integrations
APPROVED

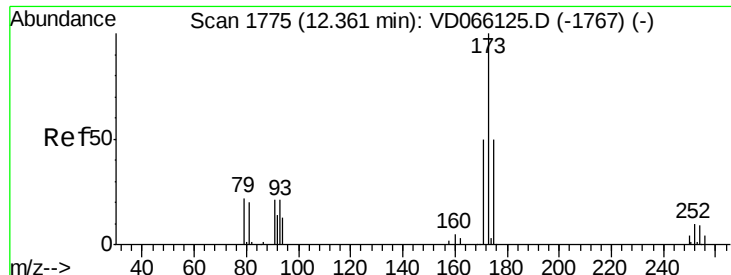
MMDadoda
8/20/2020 3:37:05 PM



#70
Styrene
Concen: 20.487 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion:104 Resp: 128754
Ion Ratio Lower Upper
104 100
78 52.4 38.6 58.0
103 56.8 44.1 66.1





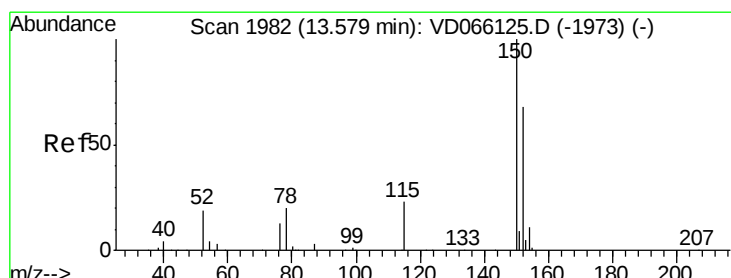
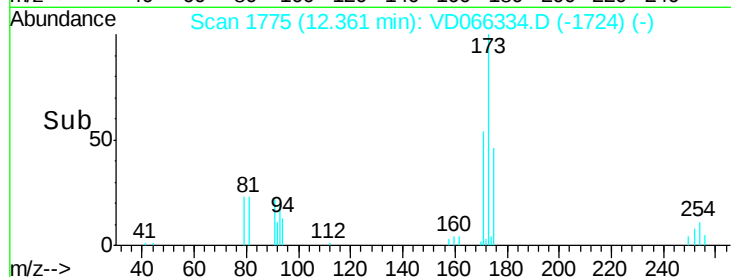
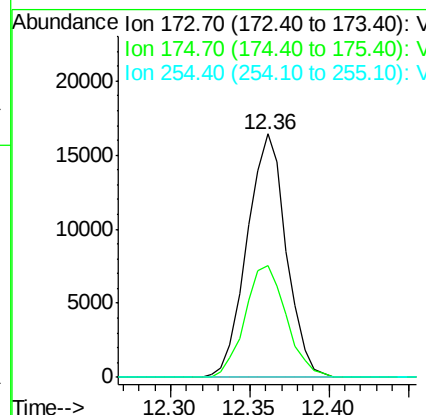
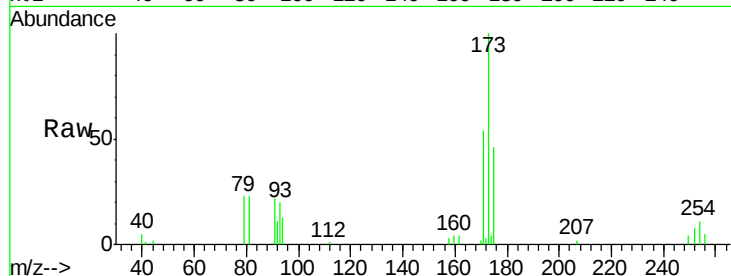
#71
Bromoform
Concen: 20.743 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.6
254	0.0	0.2	0.2

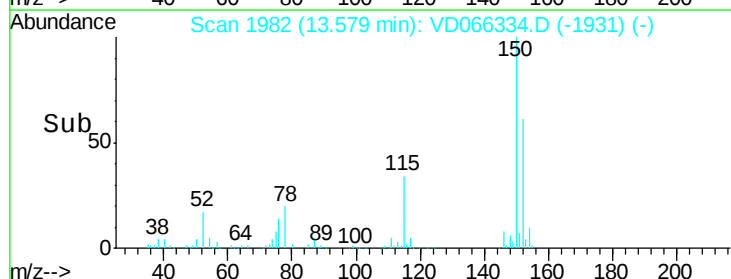
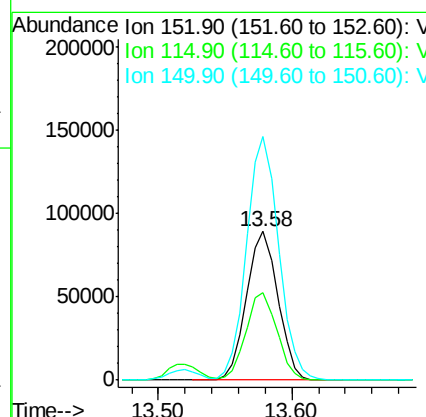
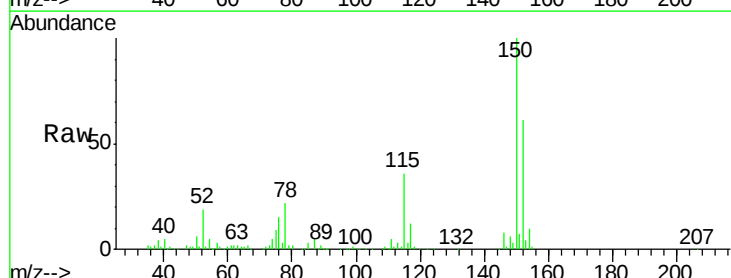
Manual Integrations
APPROVED

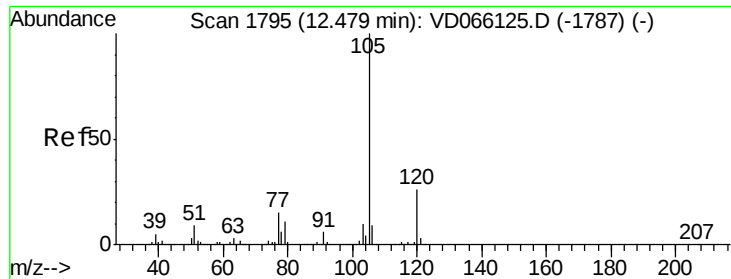
MMDadoda
8/20/2020 3:37:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.0	83.9
150	167.2	0.0	346.4





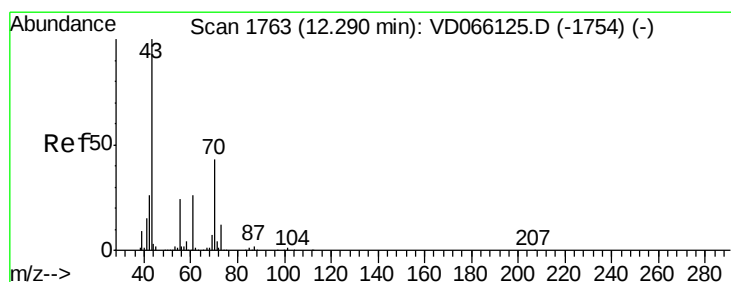
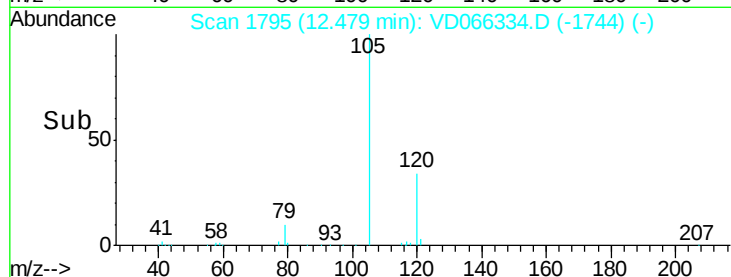
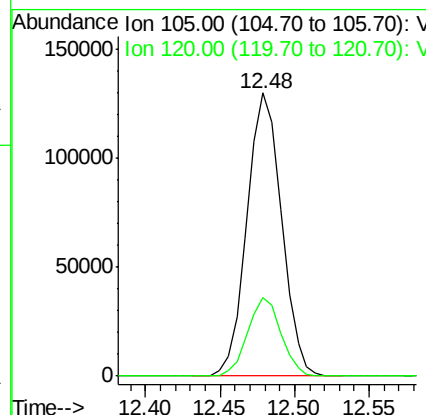
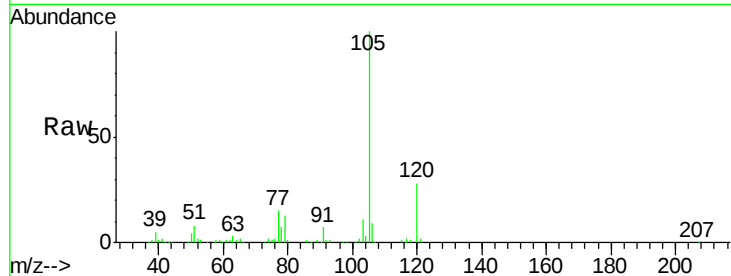
#73
Isopropylbenzene
Concen: 21.558 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	208972		
120	26.8	13.3	39.9	

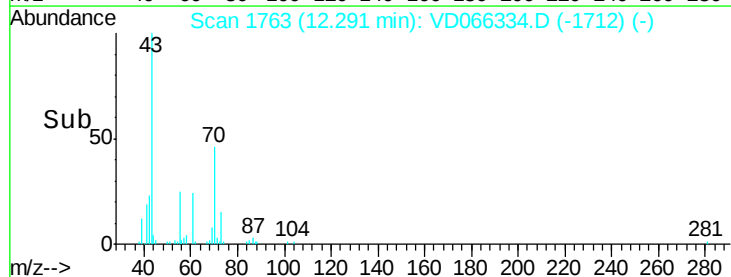
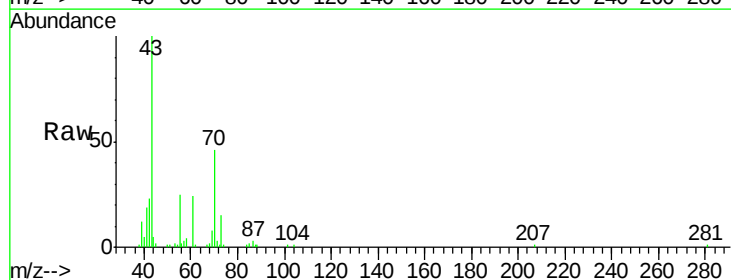
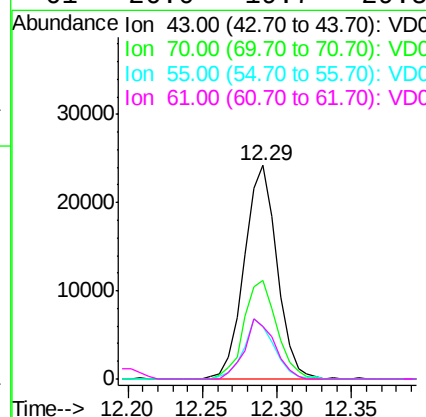
Manual Integrations
APPROVED

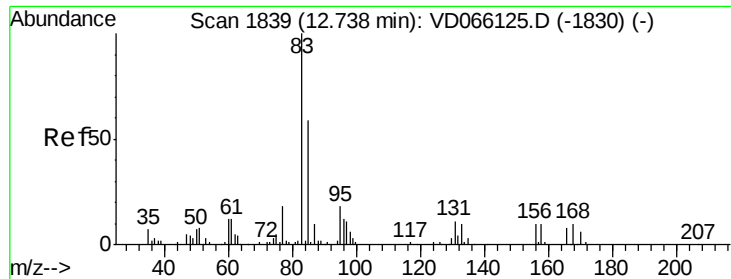
MMDadoda
8/20/2020 3:37:05 PM



#74
N-ethyl acetate
Concen: 17.208 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	36731		
70	46.8	34.9	52.3	
55	26.2	19.2	28.8	
61	26.0	19.7	29.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.293 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

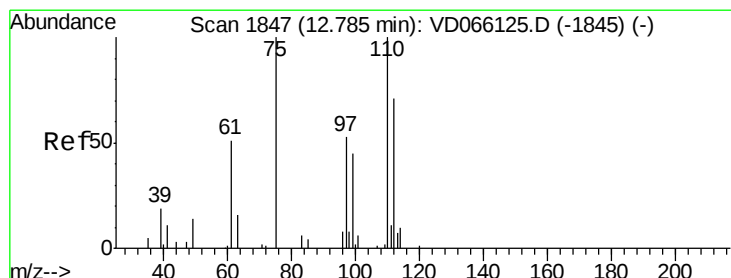
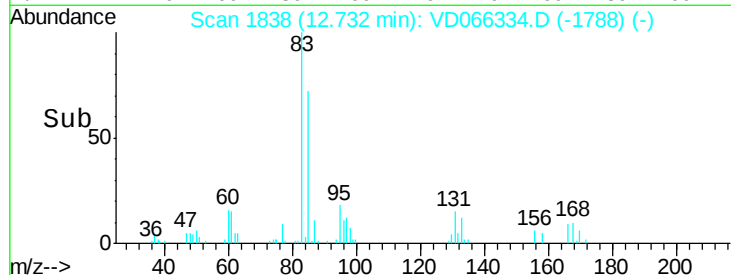
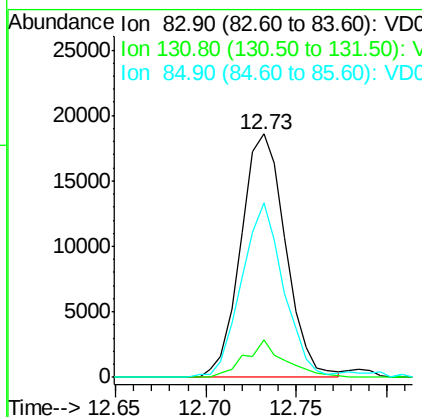
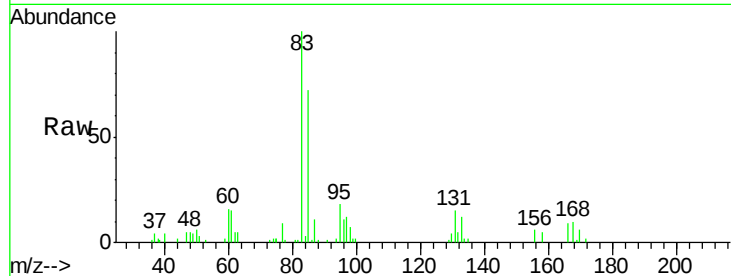
ClientSampleId :

VD0819SBS02

Tot Ion:	83	Resp:	31889
Ion	Ratio	Lower	Upper
83	100		
131	13.6	6.2	18.6
85	67.6	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:37:05 PM



#76

1,2,3-Trichloropropane

Concen: 21.380 ug/l m

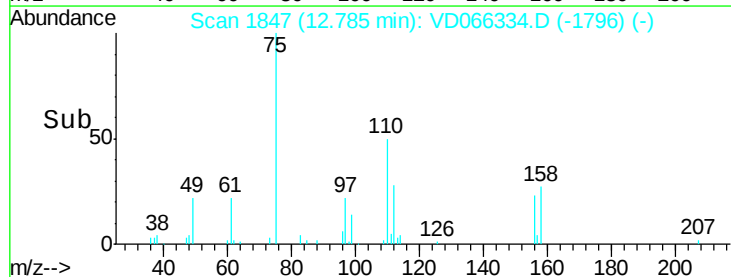
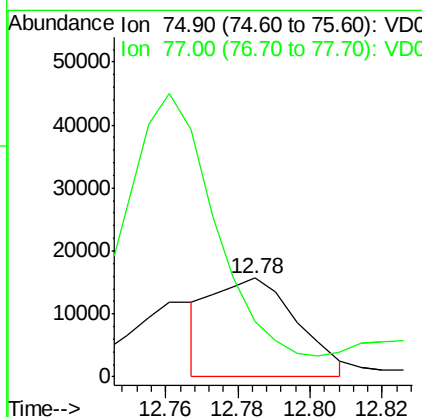
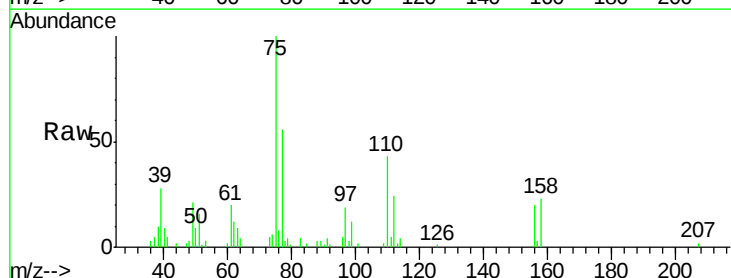
RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Tgt Ion:	75	Resp:	25891
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.581 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

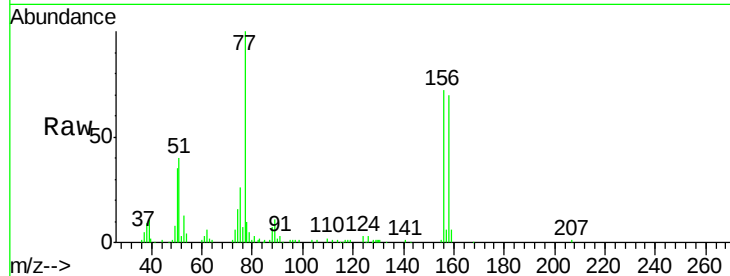
ClientSampleId :

VD0819SBS02

Tot Ion:	156	Resp:	53851
Ion Ratio	Lower	Upper	
156	100		
77	154.3	81.0	243.1
158	95.1	48.8	146.3

Manual Integrations
APPROVED

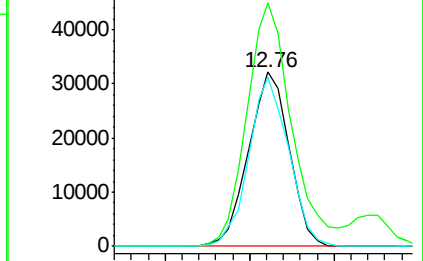
MMDadoda
8/20/2020 3:37:05 PM



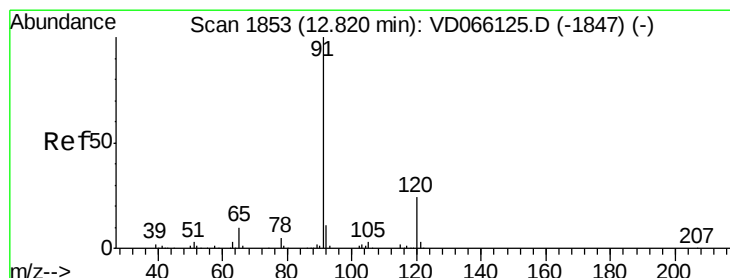
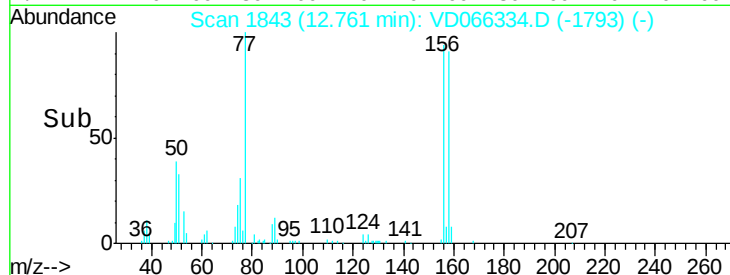
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 21.107 ug/l

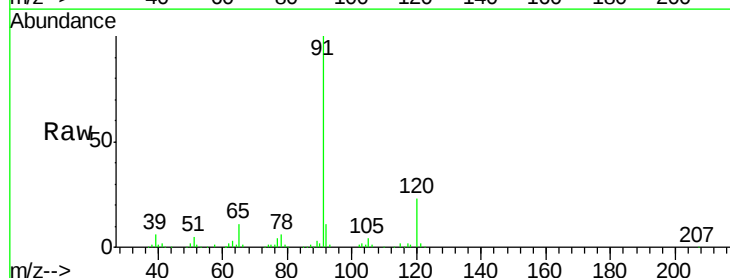
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066334.D

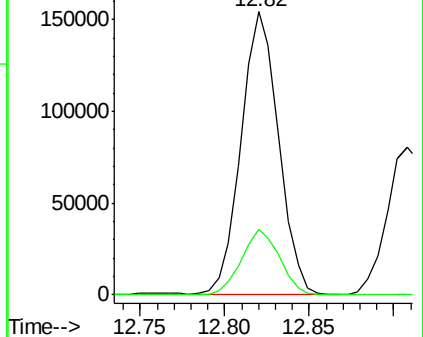
Acq: 20 Aug 2020 00:31

Tgt Ion:	91	Resp:	237830
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.0	36.0

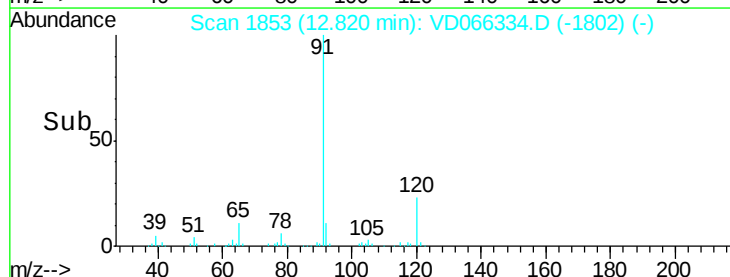


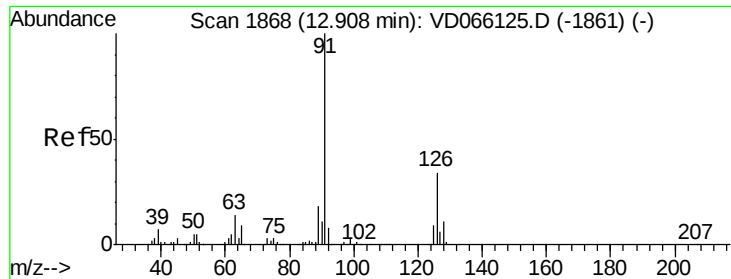
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 21.789 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 91 Resp: 140421

Ion Ratio Lower Upper

91 100

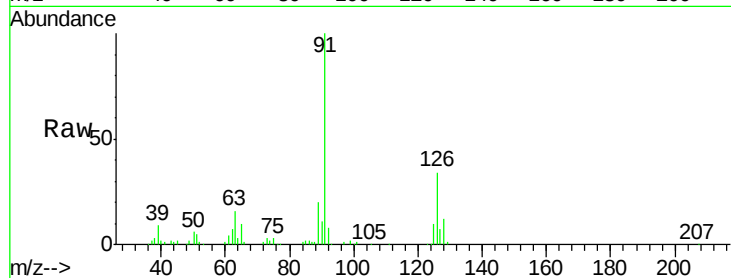
126 34.9 17.5 52.6

Manual Integrations

APPROVED

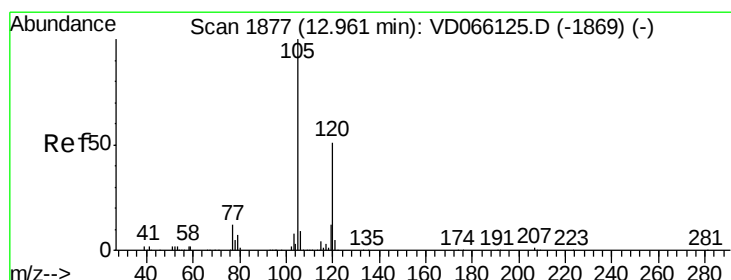
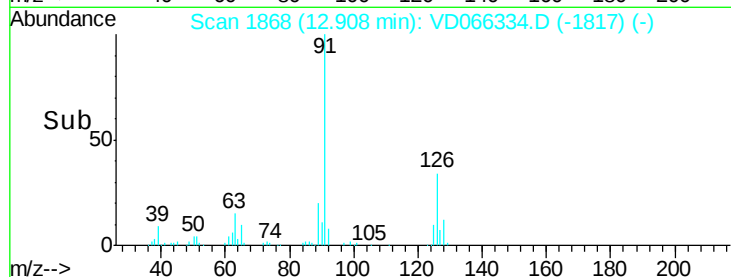
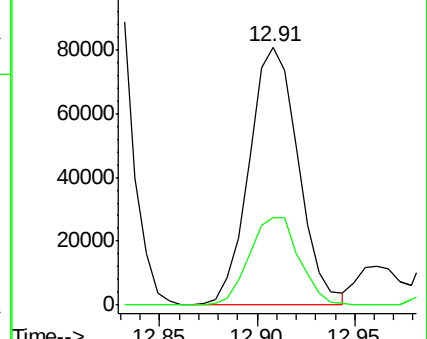
MMDadoda

8/20/2020 3:37:05 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066334.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066334.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.940 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066334.D

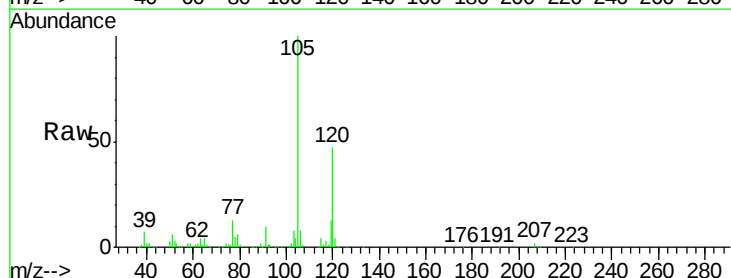
Acq: 20 Aug 2020 00:31

Tgt Ion:105 Resp: 177860

Ion Ratio Lower Upper

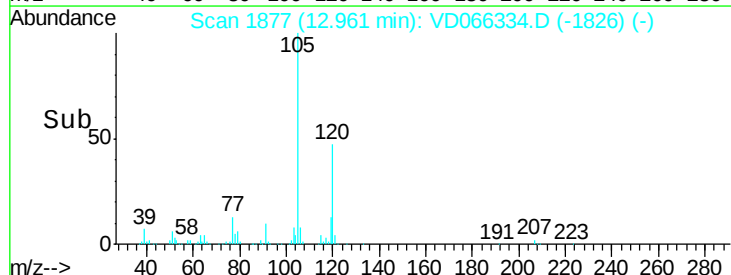
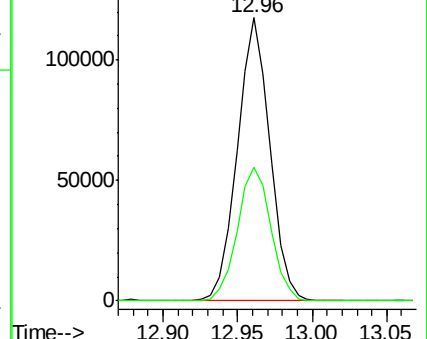
105 100

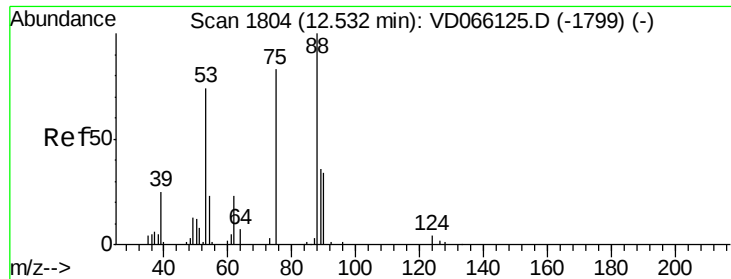
120 48.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066334.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066334.D (-1826) (-)





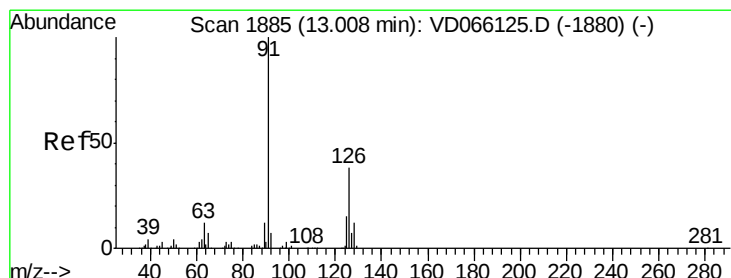
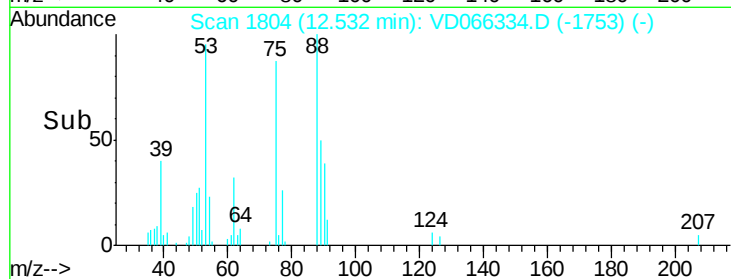
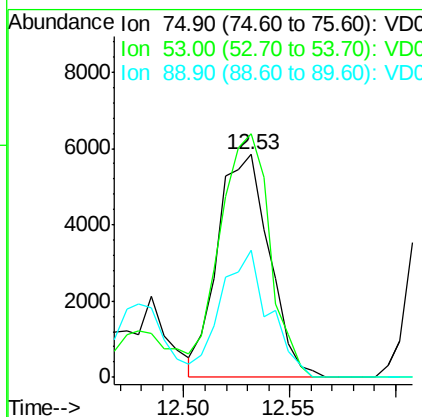
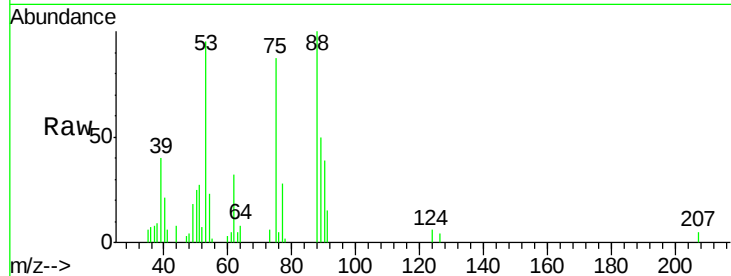
#81
trans-1,4-Dichloro-2-butene
Concen: 18.117 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.3	73.4	110.2
89	53.4	36.6	55.0

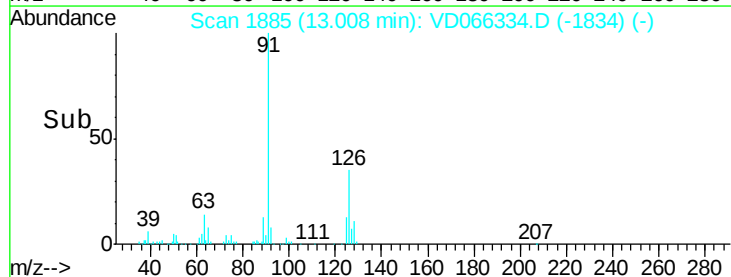
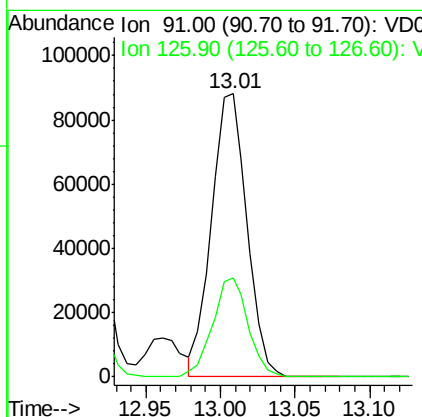
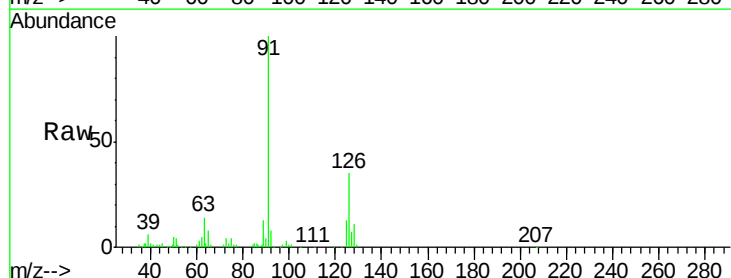
Manual Integrations
APPROVED

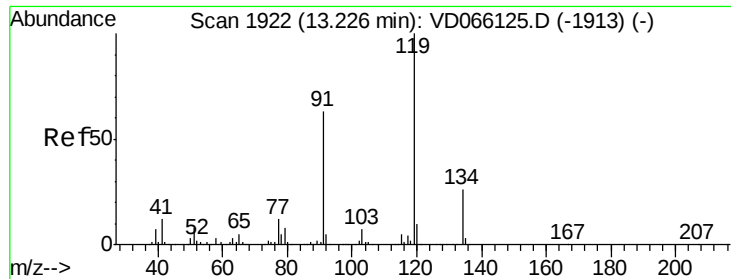
MMDadoda
8/20/2020 3:37:05 PM



#82
4-Chlorotoluene
Concen: 21.471 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.8	53.3





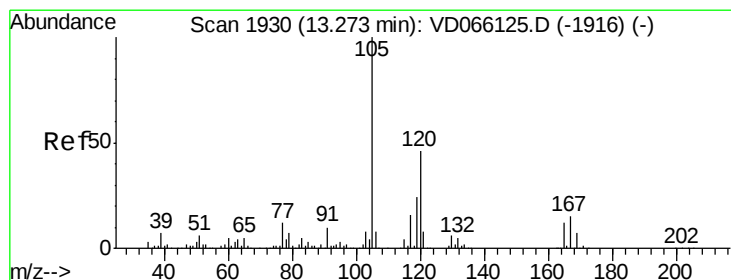
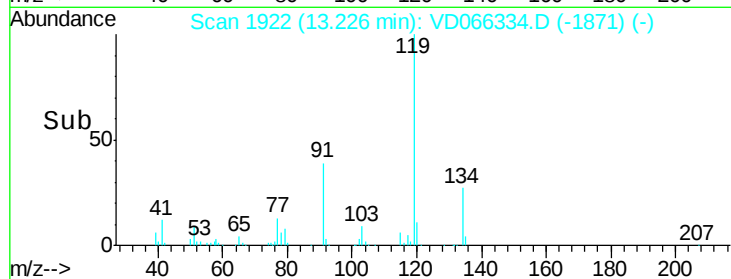
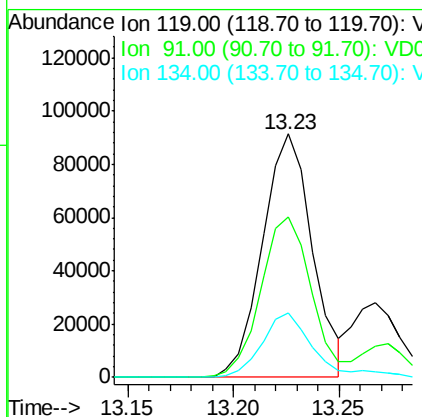
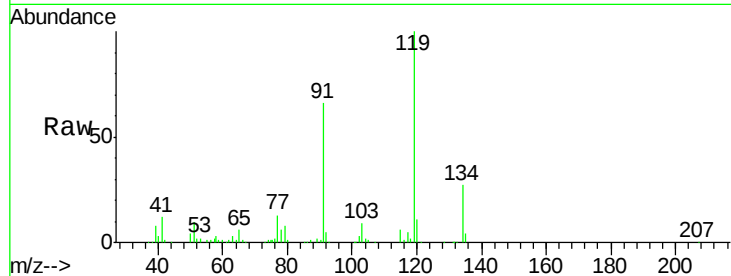
#83
tert-Butylbenzene
Concen: 21.087 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	150340		
91	67.4	30.8	92.4	
134	27.4	13.6	40.8	

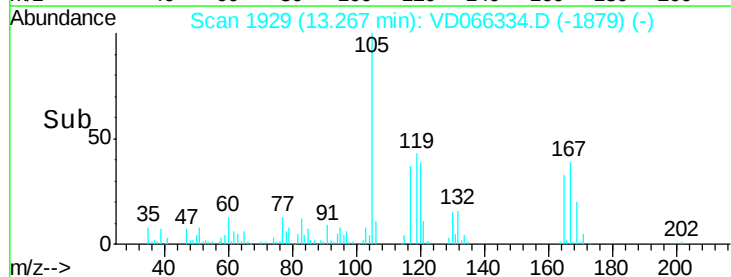
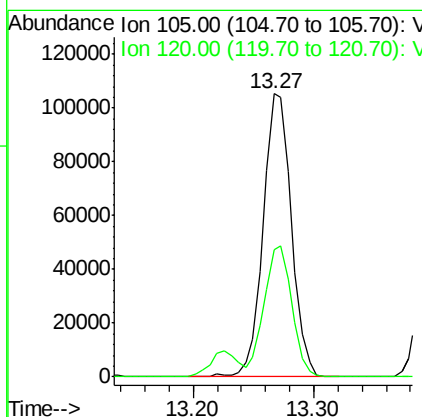
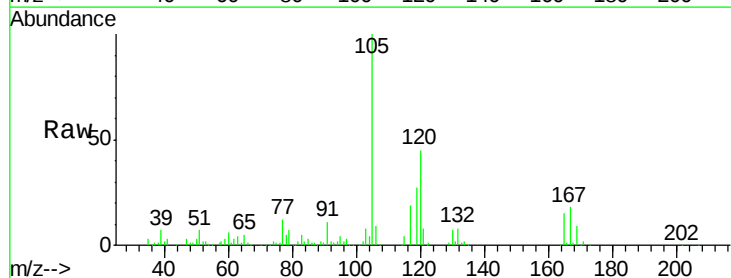
Manual Integrations
APPROVED

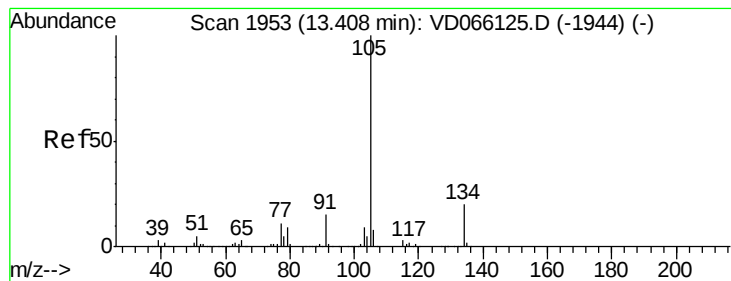
MMDadoda
8/20/2020 3:37:05 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.210 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	172075		
120	45.5	23.1	69.2	





#85

sec-Butylbenzene

Concen: 20.574 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion:105 Resp: 198036

Ion Ratio Lower Upper

105 100

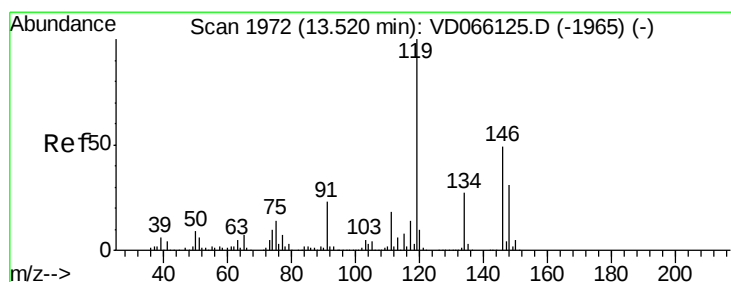
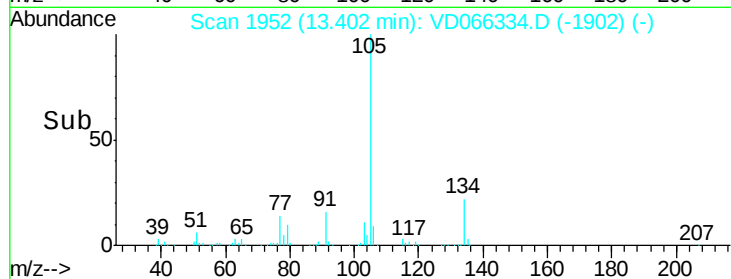
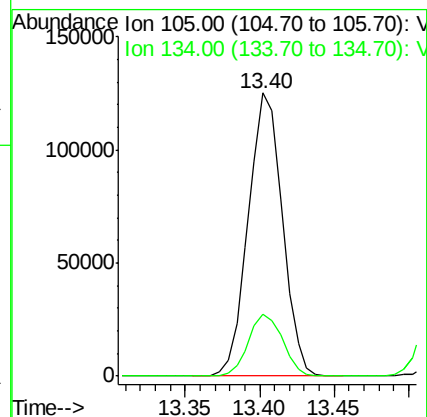
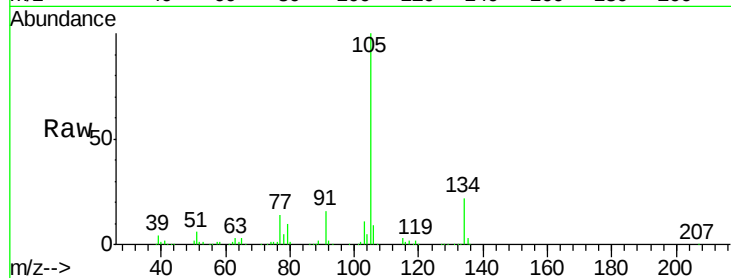
134 21.9 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

8/20/2020 3:37:05 PM



#86

p-Isopropyltoluene

Concen: 21.137 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066334.D

Acq: 20 Aug 2020 00:31

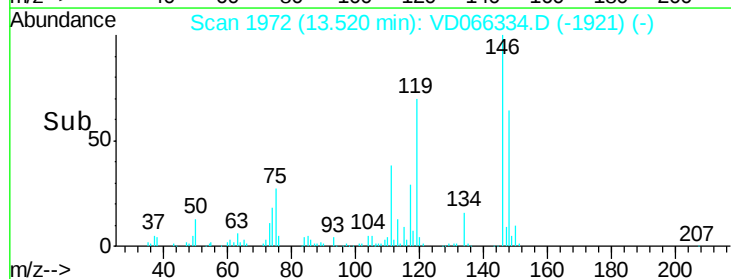
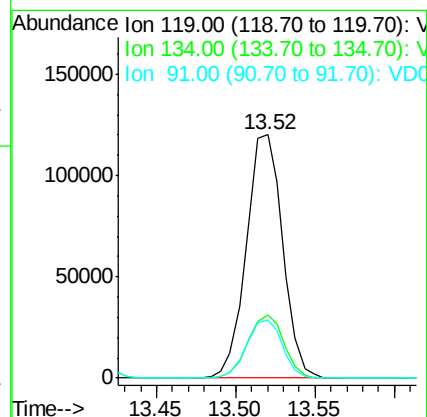
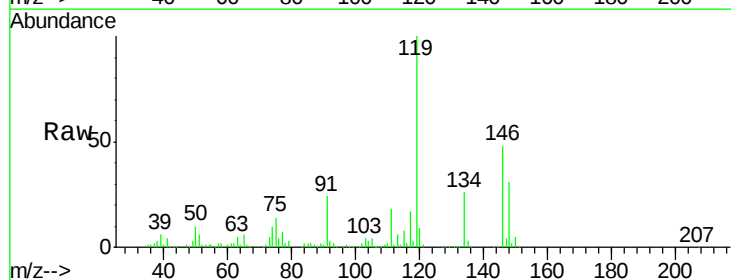
Tgt Ion:119 Resp: 190822

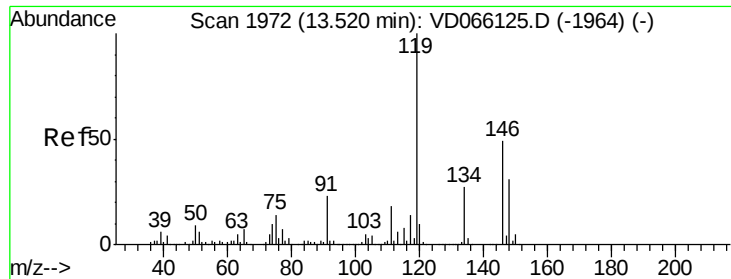
Ion Ratio Lower Upper

119 100

134 25.8 13.5 40.4

91 23.8 11.2 33.5





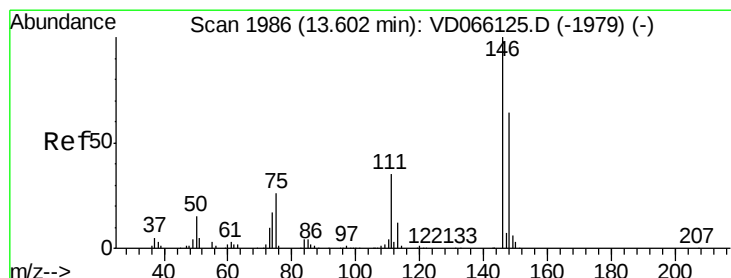
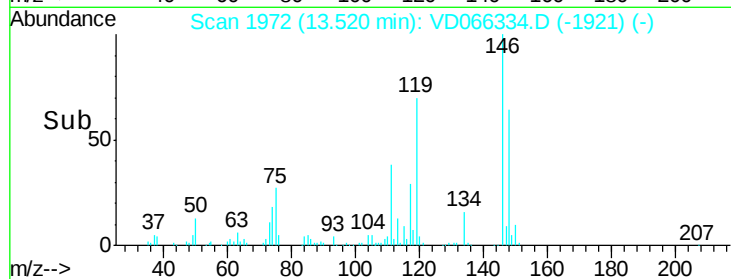
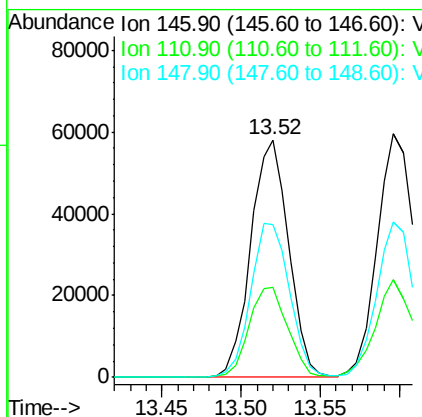
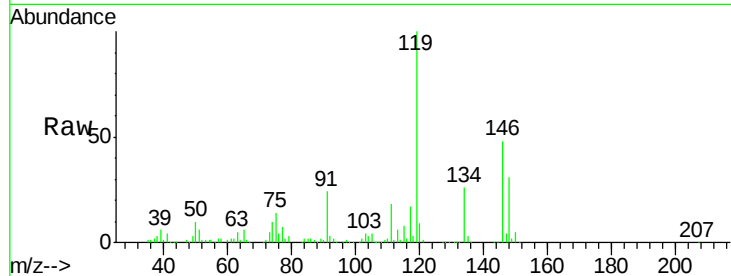
#87
 1,3-Dichlorobenzene
 Concen: 20.589 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	96561		
111	39.0	18.9	56.9	
148	66.5	31.8	95.3	

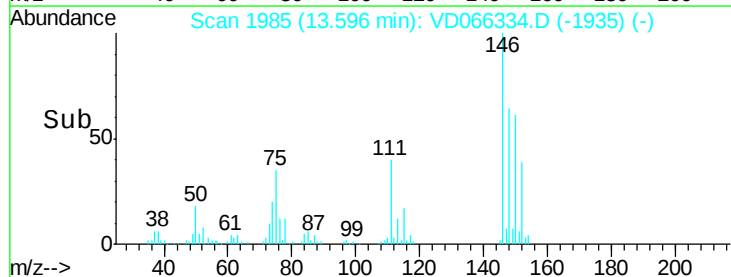
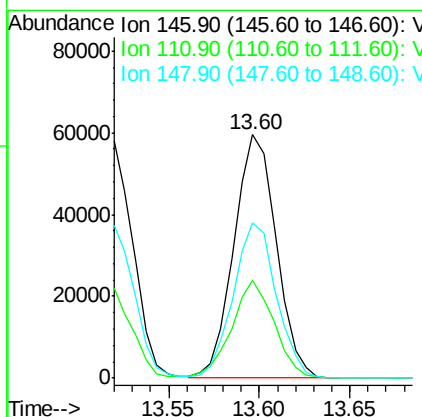
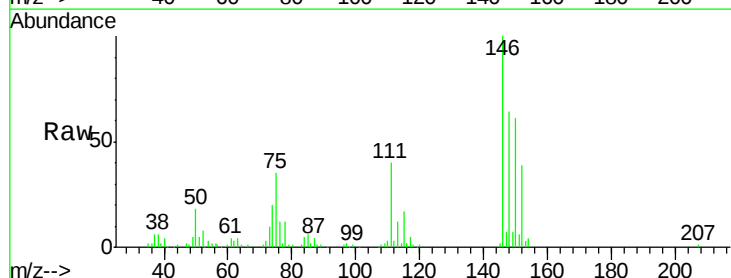
Manual Integrations
 APPROVED

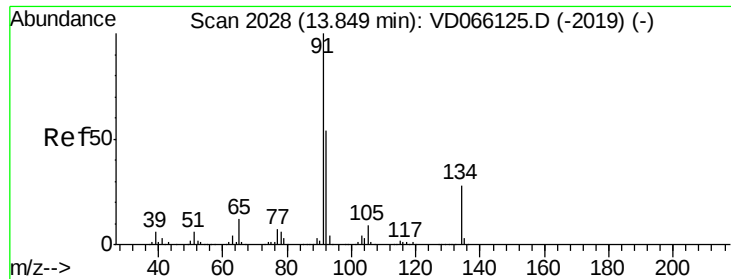
MMDadoda
 8/20/2020 3:37:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.699 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	96812		
111	40.5	18.6	55.8	
148	65.2	32.4	97.0	





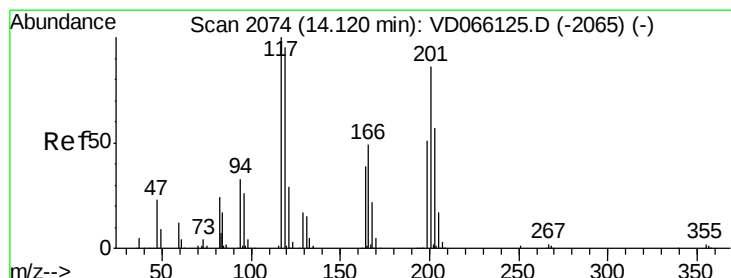
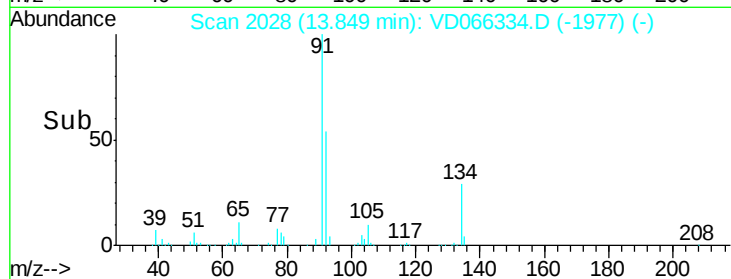
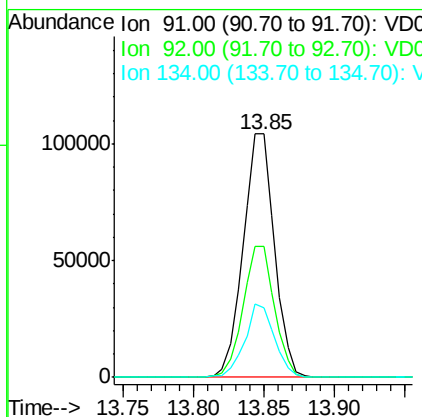
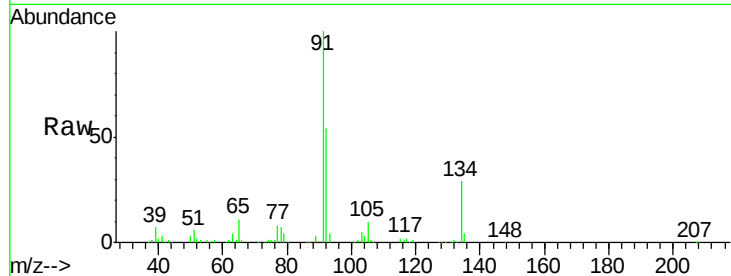
#89
n-Butylbenzene
Concen: 19.943 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	161310		
92	54.0	26.8	80.3	
134	28.5	14.0	41.9	

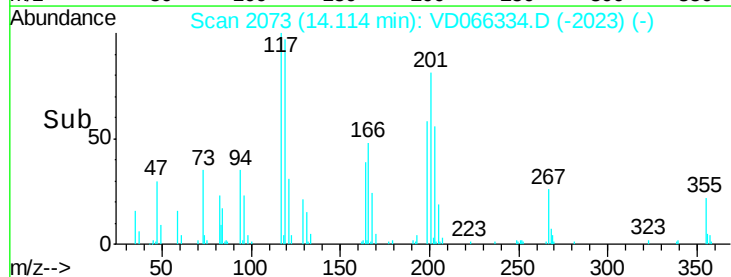
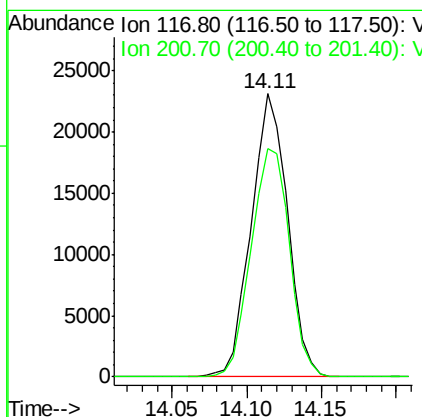
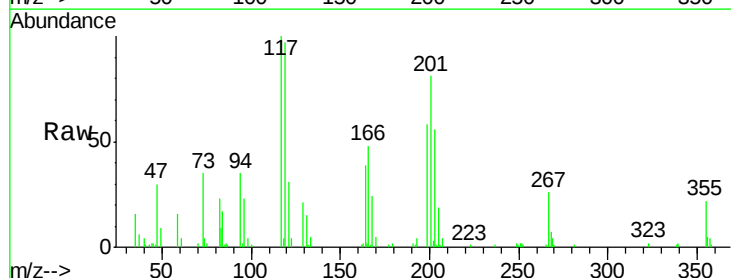
Manual Integrations
APPROVED

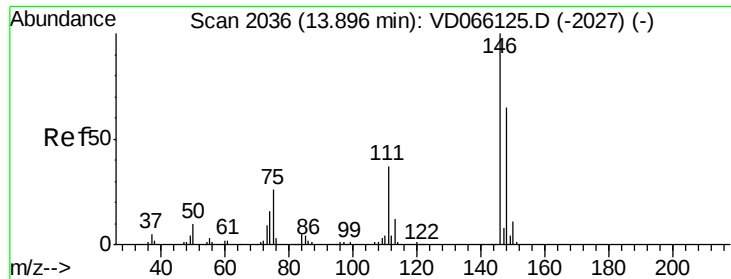
MMDadoda
8/20/2020 3:37:05 PM



#90
Hexachloroethane
Concen: 21.565 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38828		
201	85.4	42.7	128.1	





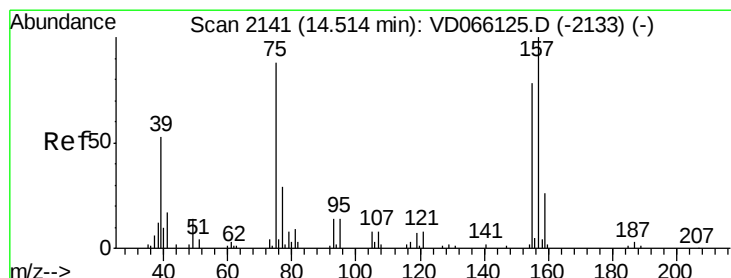
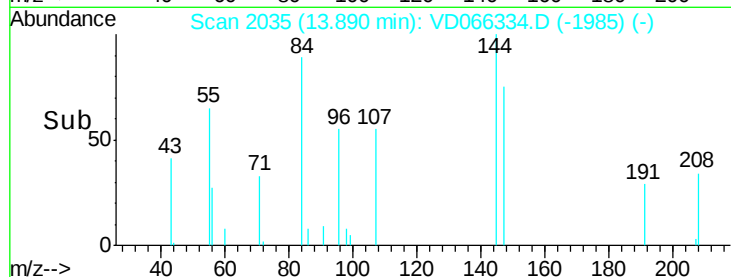
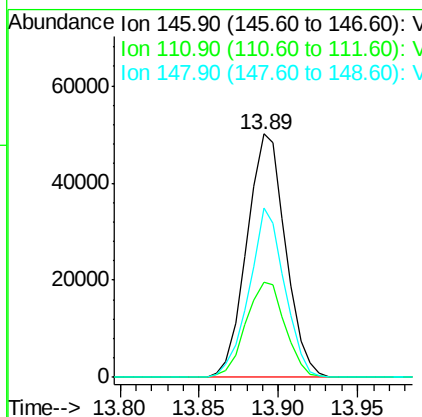
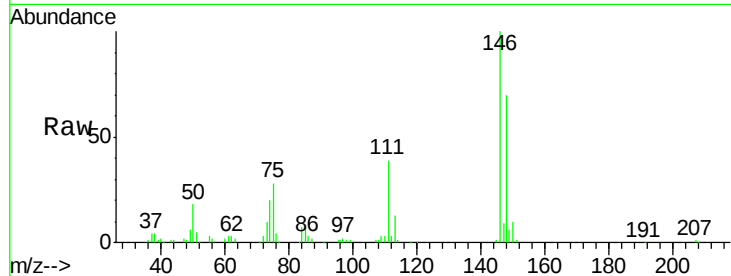
#91
 1,2-Dichlorobenzene
 Concen: 20.514 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.3
148	64.0	31.9	95.5

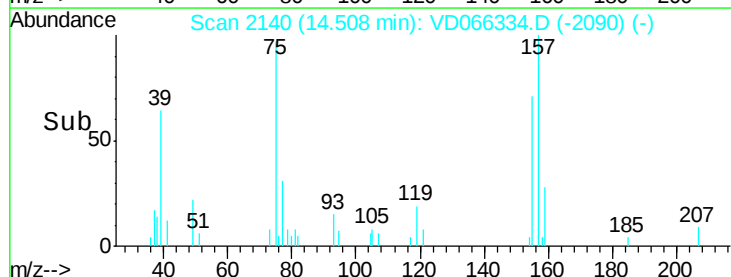
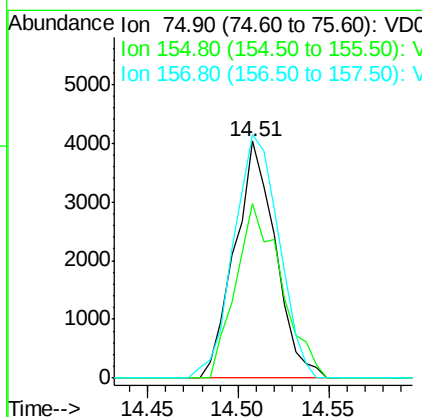
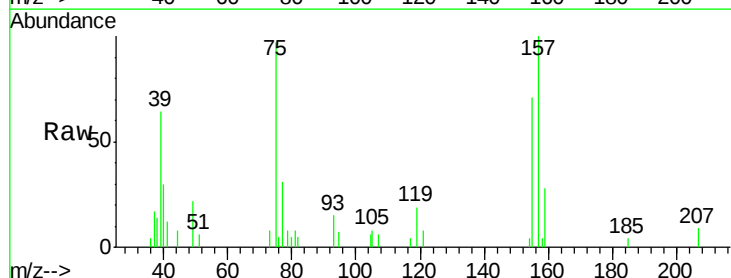
Manual Integrations
 APPROVED

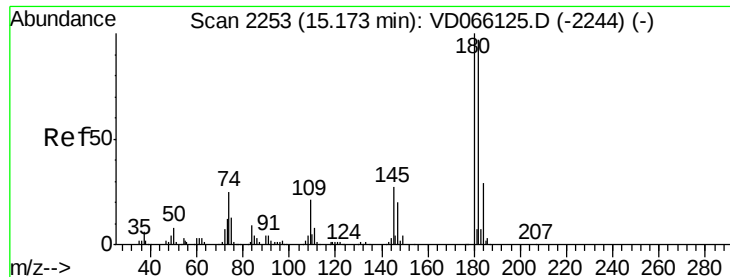
MMDadoda
 8/20/2020 3:37:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.131 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	47.7	143.1
157	114.4	62.1	186.2





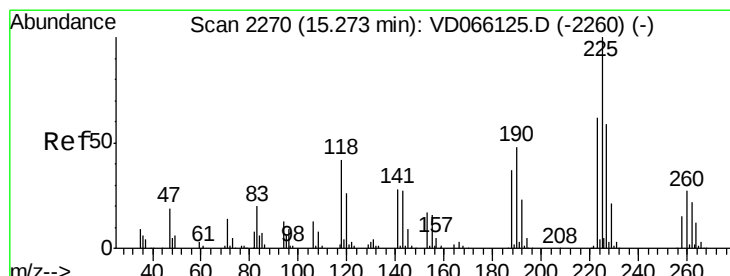
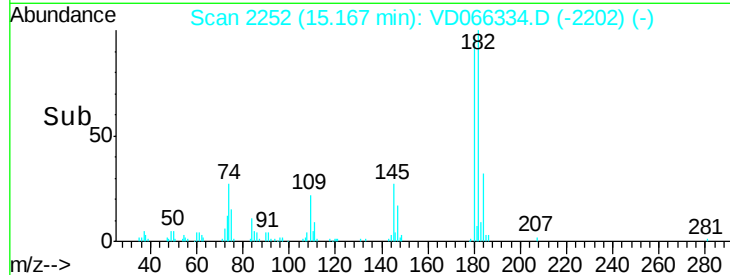
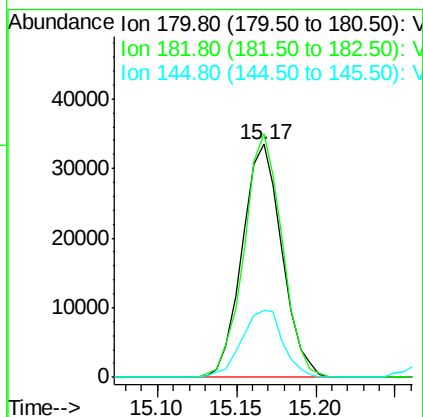
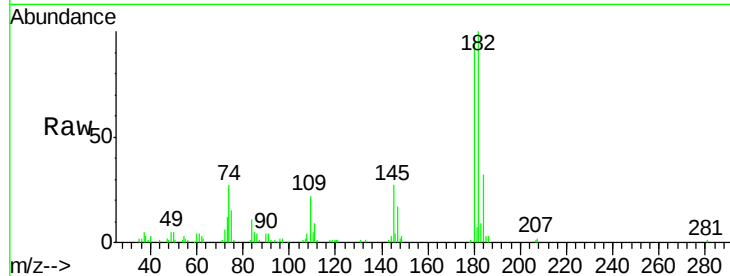
#93
 1,2,4-Trichlorobenzene
 Concen: 19.040 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.5	47.4	142.2	
145	30.1	14.5	43.6	

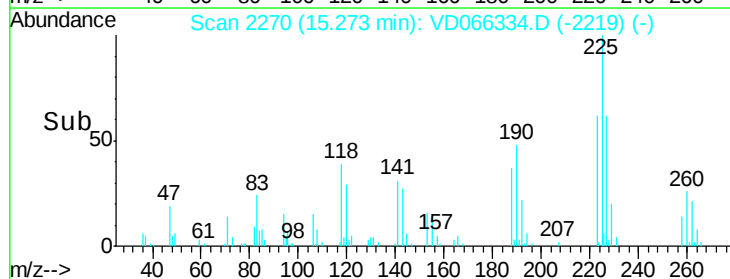
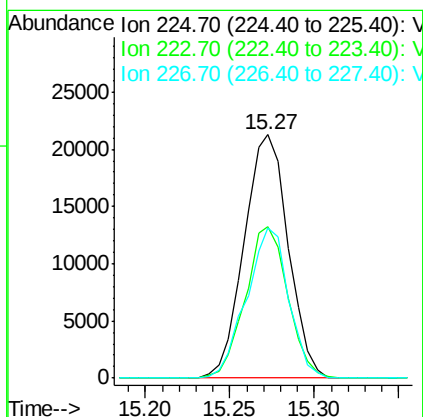
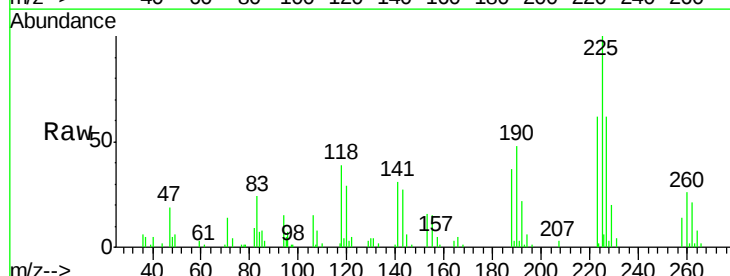
Manual Integrations
 APPROVED

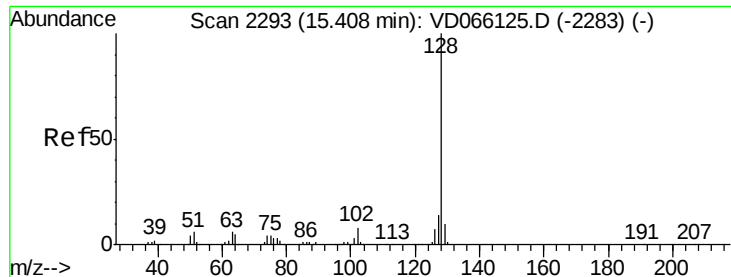
MMDadoda
 8/20/2020 3:37:05 PM



#94
 Hexachlorobutadiene
 Concen: 21.417 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066334.D
 Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.2	32.3	96.9	
227	59.0	32.1	96.5	





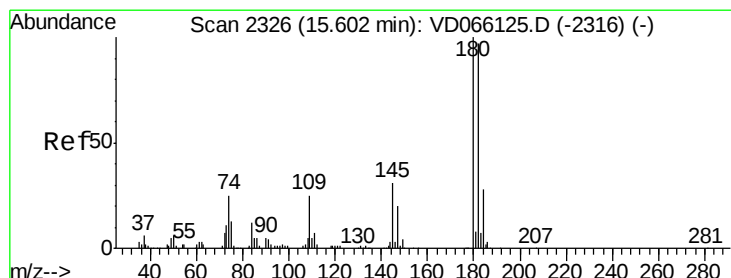
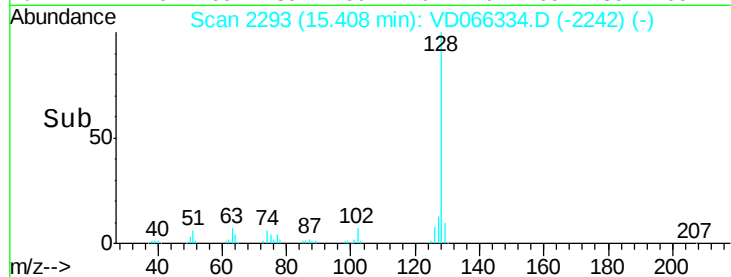
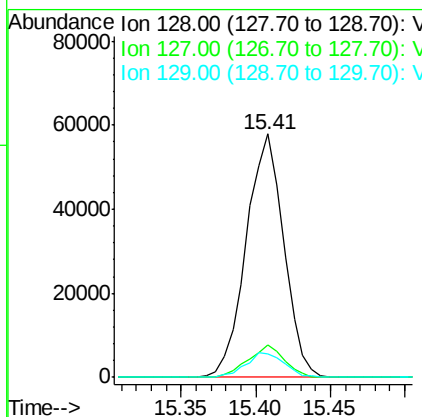
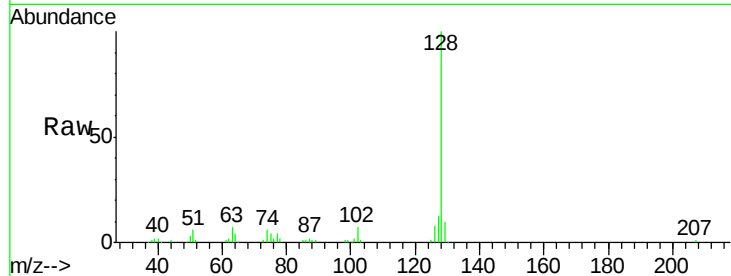
#95
Naphthalene
Concen: 20.150 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.4
129	10.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:37:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.811 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066334.D
Acq: 20 Aug 2020 00:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	31.9	14.9	44.9

