

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067241.D
 Acq On : 12 Oct 2020 19:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 1:52:24 PM

Quant Time: Oct 13 00:59:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	281740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	436857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	411838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	147394	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.92	113	153726	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	10.34	98	535854	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.64	95	192887	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135406	60.768	ug/l	94
3) Chloromethane	2.21	50	96657	43.079	ug/l	97
4) Vinyl Chloride	2.35	62	102365	45.500	ug/l	94
5) Bromomethane	2.77	94	82605	57.623	ug/l	92
6) Chloroethane	2.93	64	66797	48.753	ug/l	97
7) Trichlorofluoromethane	3.27	101	260965	52.209	ug/l	98
8) Diethyl Ether	3.71	74	67576	54.518	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.10	101	140780	49.830	ug/l	99
10) Methyl Iodide	4.30	142	130387	47.498	ug/l	95
11) Tert butyl alcohol	5.22	59	42052	267.888	ug/l	100
12) 1,1-Dichloroethene	4.07	96	128066	48.220	ug/l	95
13) Acrolein	3.93	56	45147	248.458	ug/l	99
14) Allyl chloride	4.72	41	153679	44.542	ug/l	87
15) Acrylonitrile	5.42	53	111350	244.085	ug/l	99
16) Acetone	4.16	43	108010	260.737	ug/l	99
17) Carbon Disulfide	4.41	76	366574	44.974	ug/l	98
18) Methyl Acetate	4.72	43	50733	48.728	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	284260	58.630	ug/l	98
20) Methylene Chloride	4.97	84	156697	53.868	ug/l	91
21) trans-1,2-Dichloroethene	5.48	96	154310	51.054	ug/l	91
22) Diisopropyl ether	6.37	45	298695	47.420	ug/l #	98
23) Vinyl Acetate	6.31	43	884438	247.787	ug/l	95
24) 1,1-Dichloroethane	6.26	63	239233	49.213	ug/l	98
25) 2-Butanone	7.21	43	134015	228.185	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	224919	54.479	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	175459	54.355	ug/l	95
28) Bromochloromethane	7.56	49	84954	45.253	ug/l #	79
29) Tetrahydrofuran	7.57	42	76485	226.489	ug/l #	85
30) Chloroform	7.71	83	293602	55.677	ug/l	93
31) Cyclohexane	7.99	56	165805	40.684	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	272644	55.788	ug/l	98
36) 1,1-Dichloropropene	8.11	75	197512	48.505	ug/l	96
37) Ethyl Acetate	7.30	43	60341	42.775	ug/l #	94
38) Carbon Tetrachloride	8.10	117	259985	59.009	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067241.D
 Acq On : 12 Oct 2020 19:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 1:52:24 PM

Quant Time: Oct 13 00:59:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	212946	49.464	ug/l	92
40) Benzene	8.36	78	583148	51.560	ug/l	100
41) Methacrylonitrile	7.53	41	35267	46.276	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	183582	58.088	ug/l	96
43) Isopropyl Acetate	8.45	43	125849	48.427	ug/l	96
44) Trichloroethene	9.11	130	186831	55.319	ug/l	99
45) 1,2-Dichloropropane	9.39	63	134380	50.567	ug/l	97
46) Dibromomethane	9.47	93	83578	54.720	ug/l	94
47) Bromodichloromethane	9.66	83	227884	57.397	ug/l	100
48) Methyl methacrylate	9.46	41	60909	45.749	ug/l #	70
49) 1,4-Dioxane	9.46	88	17102	1072.834	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	322044	248.795	ug/l	97
52) Toluene	10.40	92	396798	54.463	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	197217	55.579	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	232300	53.612	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	115831	54.547	ug/l	97
56) Ethyl methacrylate	10.66	69	127837	58.309	ug/l #	93
57) 1,3-Dichloropropane	10.95	76	188294	54.681	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	319002	261.422	ug/l	93
59) 2-Hexanone	10.99	43	225630	261.162	ug/l	96
60) Dibromochloromethane	11.14	129	168389	59.495	ug/l	96
61) 1,2-Dibromoethane	11.25	107	115296	56.515	ug/l	99
64) Tetrachloroethene	10.88	164	156218	52.176	ug/l	95
65) Chlorobenzene	11.67	112	446060	54.458	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	178086	57.157	ug/l	97
67) Ethyl Benzene	11.75	91	765159	54.520	ug/l	98
68) m/p-Xylenes	11.86	106	596495	109.061	ug/l	98
69) o-Xylene	12.18	106	269873	55.177	ug/l	92
70) Styrene	12.20	104	474580	56.507	ug/l	98
71) Bromoform	12.37	173	95774	59.218	ug/l #	96
73) Isopropylbenzene	12.48	105	760910	54.157	ug/l	100
74) N-amyl acetate	12.30	43	118378	46.868	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	119283	50.389	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	71830m	39.854	ug/l	
77) Bromobenzene	12.77	156	189564	55.876	ug/l	93
78) n-propylbenzene	12.83	91	866676	52.194	ug/l	98
79) 2-Chlorotoluene	12.91	91	500727	52.706	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	658902	55.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	35825	49.556	ug/l	98
82) 4-Chlorotoluene	13.01	91	534140	52.844	ug/l	99
83) tert-Butylbenzene	13.23	119	558248	55.845	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	662562	55.929	ug/l	97
85) sec-Butylbenzene	13.41	105	748341	53.159	ug/l	100
86) p-Isopropyltoluene	13.52	119	698725	53.537	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	350529	53.045	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	351261	53.161	ug/l	99
89) n-Butylbenzene	13.85	91	623668	52.287	ug/l	98
90) Hexachloroethane	14.12	117	125070	54.708	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	315505	54.669	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20545	53.840	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
Data File : VD067241.D
Acq On : 12 Oct 2020 19:05
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

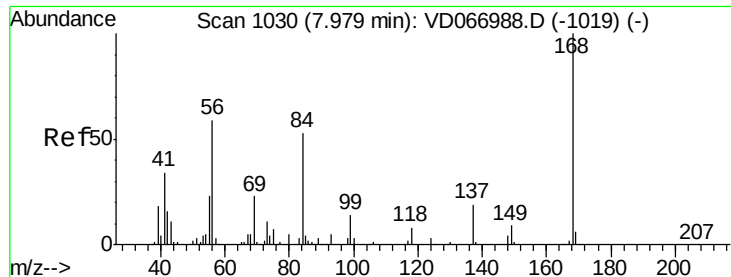
Manual Integrations
APPROVED

MMDadoda
10/13/2020 1:52:24 PM

Quant Time: Oct 13 00:59:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	218028	58.406	ug/l	100
94) Hexachlorobutadiene	15.28	225	129871	56.649	ug/l	99
95) Naphthalene	15.41	128	378490	60.787	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	193374	59.673	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 281740

Ion Ratio Lower Upper

168 100

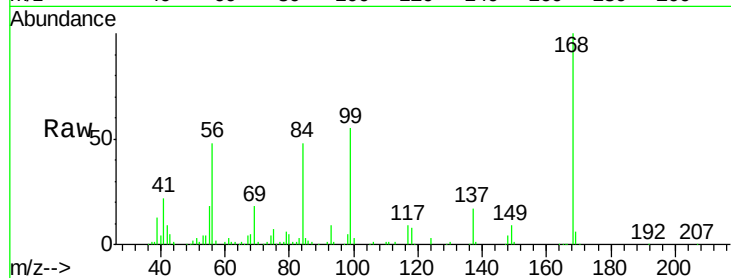
99 54.3 44.1 66.1

Manual Integrations

APPROVED

MMDadoda

10/13/2020 1:52:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

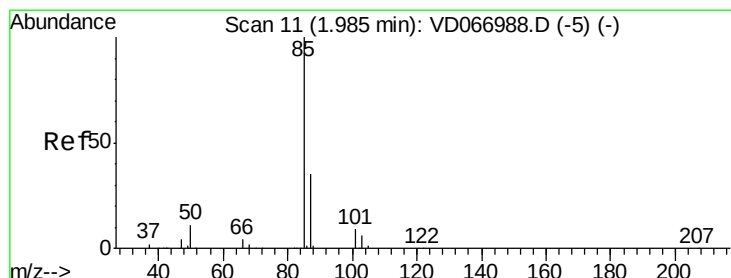
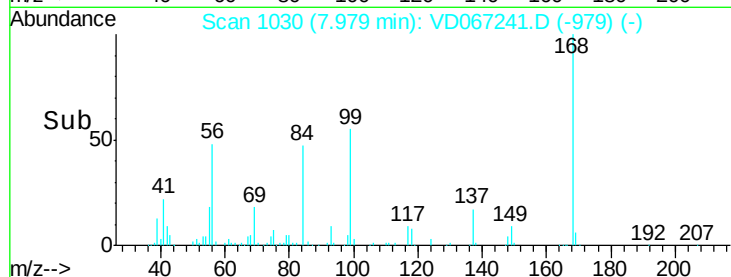
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 60.768 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067241.D

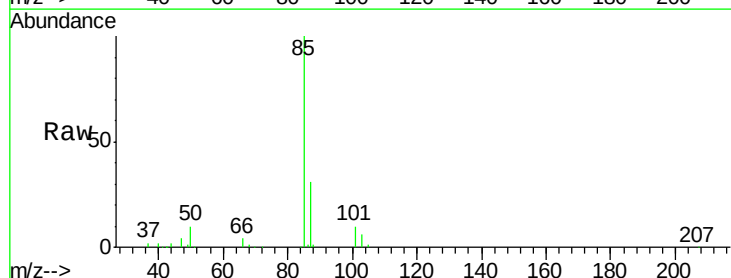
Acq: 12 Oct 2020 19:05

Tgt Ion: 85 Resp: 135406

Ion Ratio Lower Upper

85 100

87 31.3 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

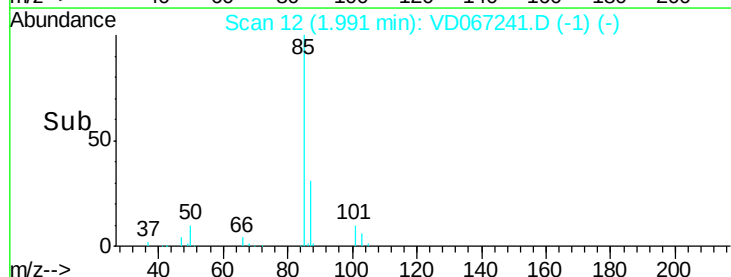
40000

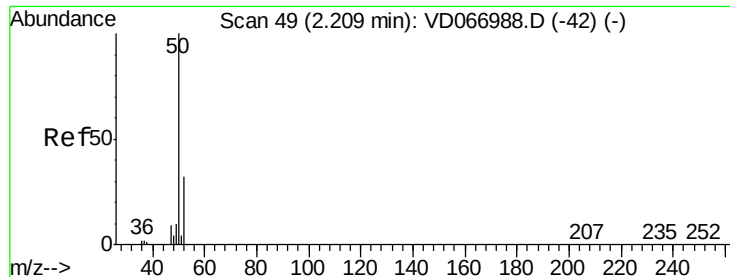
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 43.079 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96657

Ion Ratio Lower Upper

50 100

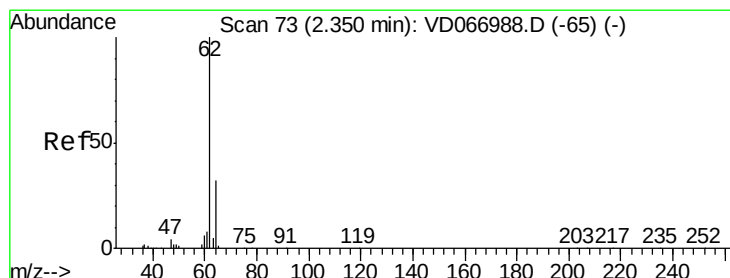
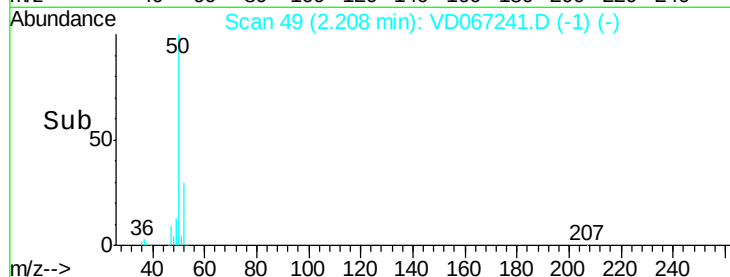
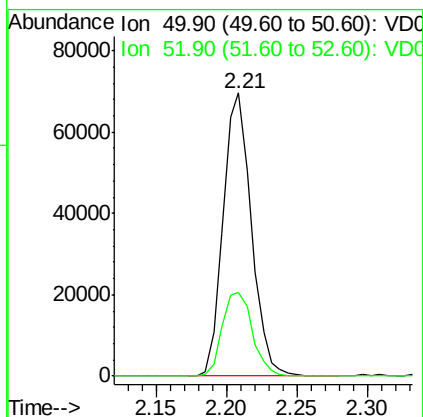
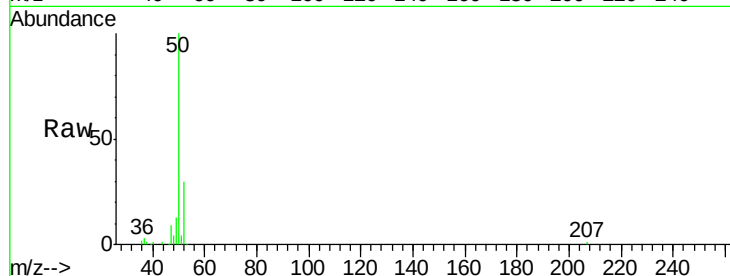
52 29.8 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/13/2020 1:52:24 PM



#4

Vinyl Chloride

Concen: 45.500 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067241.D

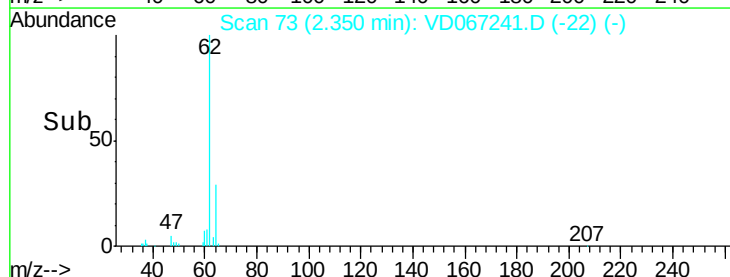
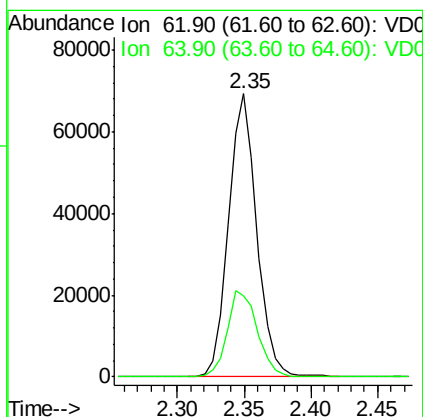
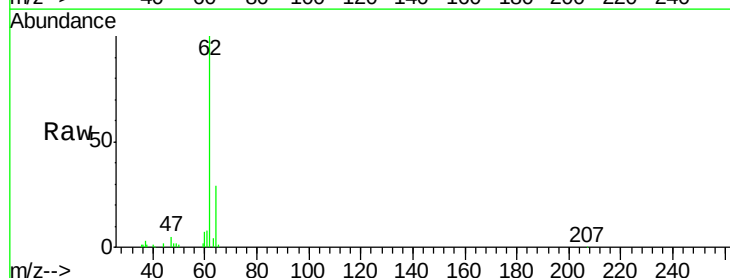
Acq: 12 Oct 2020 19:05

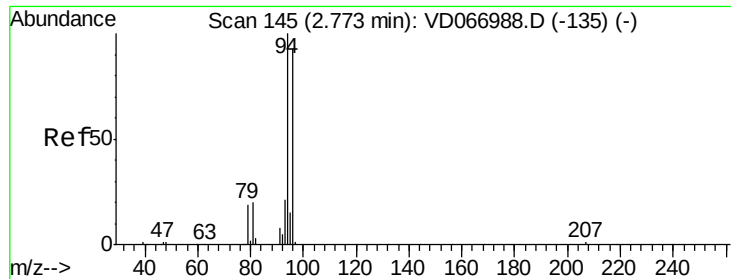
Tgt Ion: 62 Resp: 102365

Ion Ratio Lower Upper

62 100

64 28.9 25.8 38.8





#5

Bromomethane

Concen: 57.623 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 82605

Ion Ratio Lower Upper

94 100

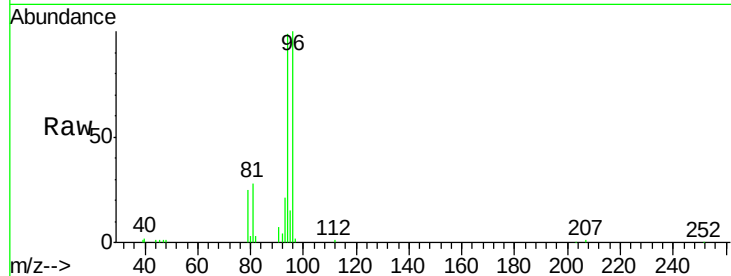
96 101.1 74.6 112.0

Manual Integrations

APPROVED

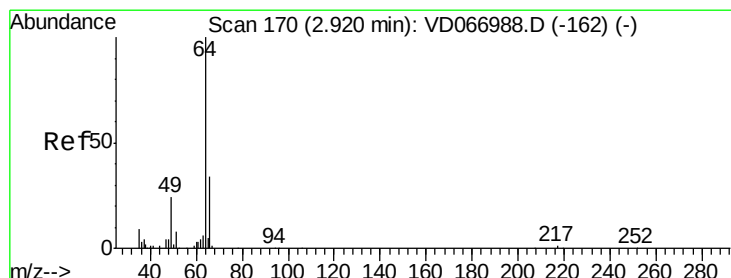
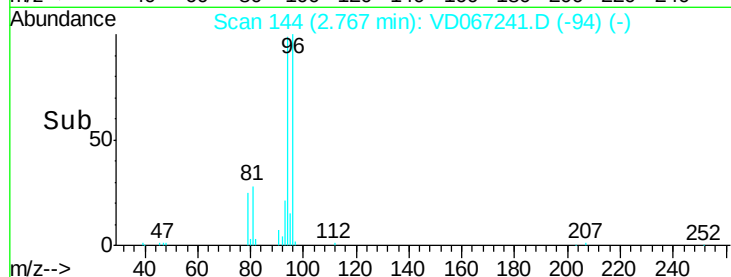
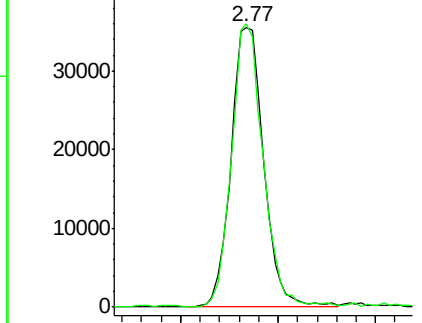
MMDadoda

10/13/2020 1:52:24 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.753 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067241.D

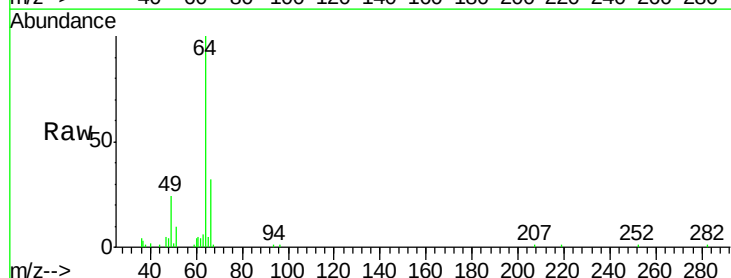
Acq: 12 Oct 2020 19:05

Tgt Ion: 64 Resp: 66797

Ion Ratio Lower Upper

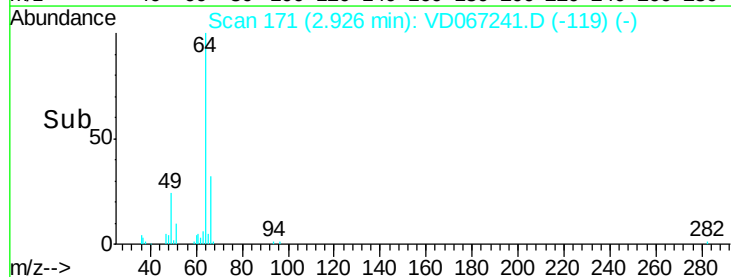
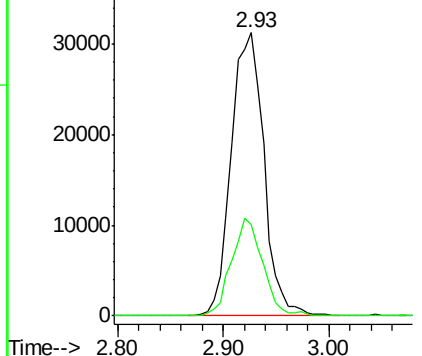
64 100

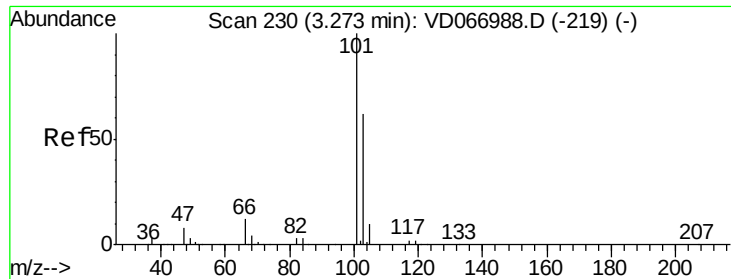
66 32.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

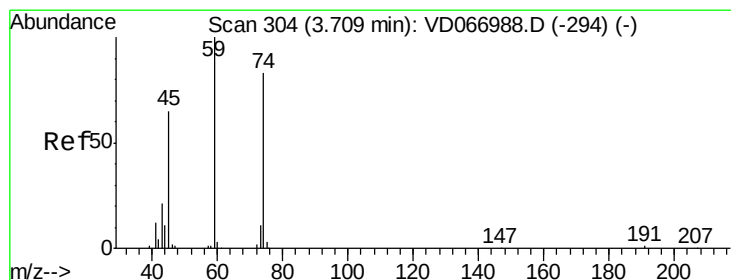
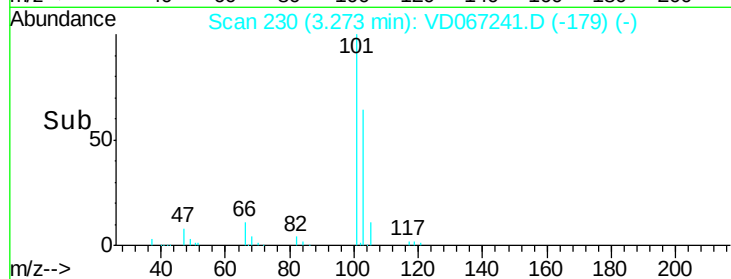
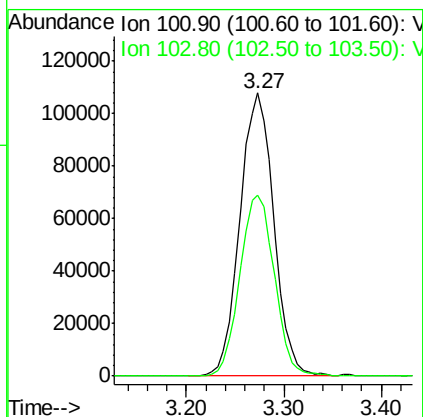
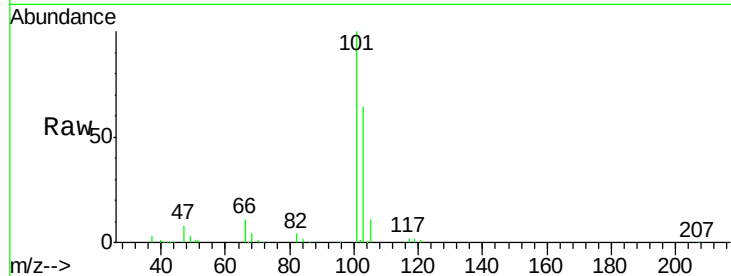
Trichlorofluoromethane
 Concen: 52.209 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	49.8	74.8

Manual Integrations
 APPROVED

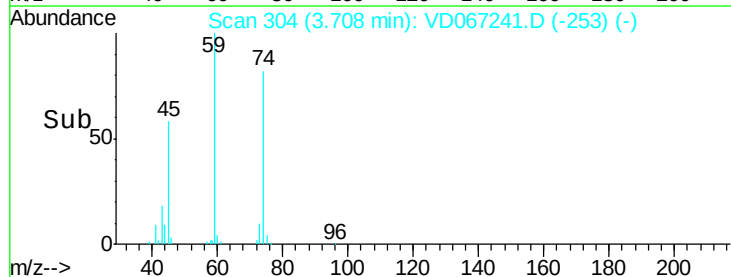
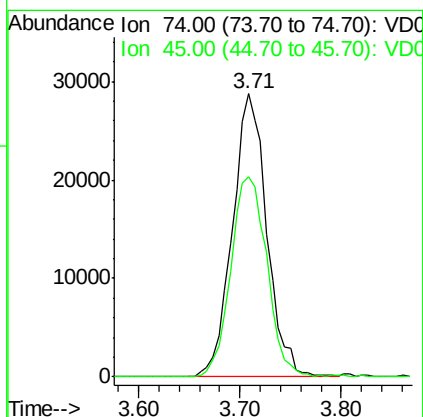
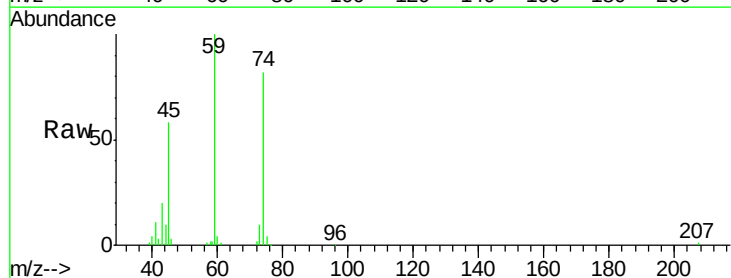
MMDadoda
 10/13/2020 1:52:24 PM

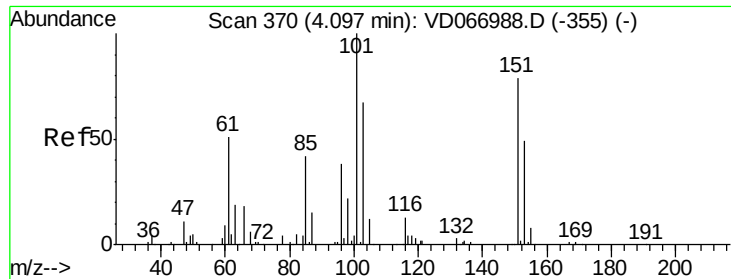


#8

Diethyl Ether
 Concen: 54.518 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.2	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.830 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

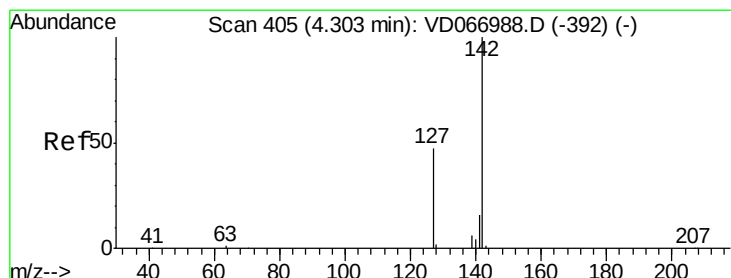
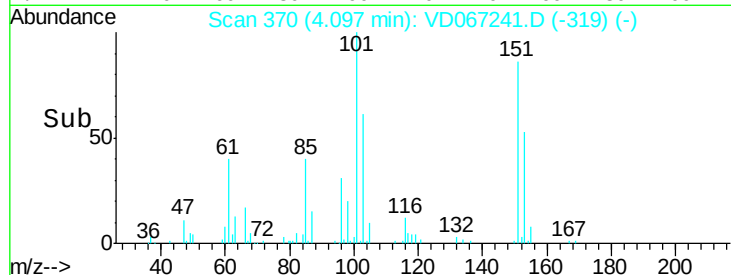
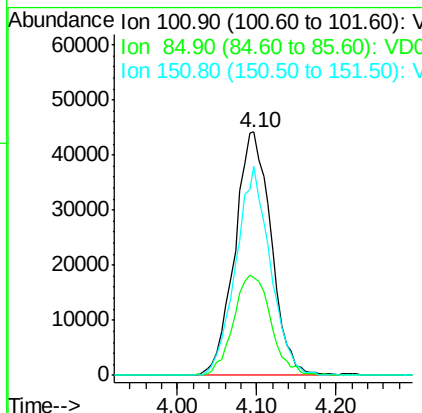
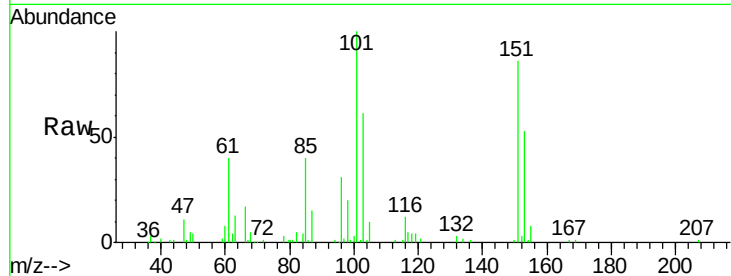
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	140780
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.8	50.8
151	81.2	63.8	95.8

Manual Integrations
APPROVED

MMDadoda
10/13/2020 1:52:24 PM



#10

Methyl Iodide

Concen: 47.498 ug/l

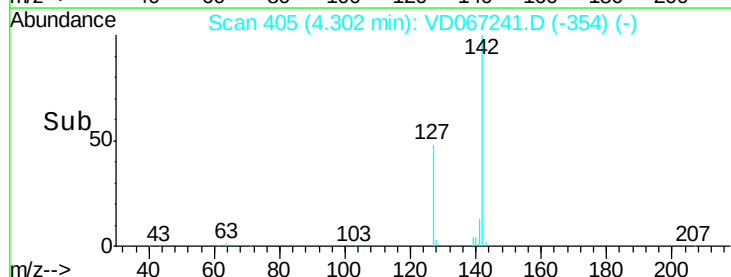
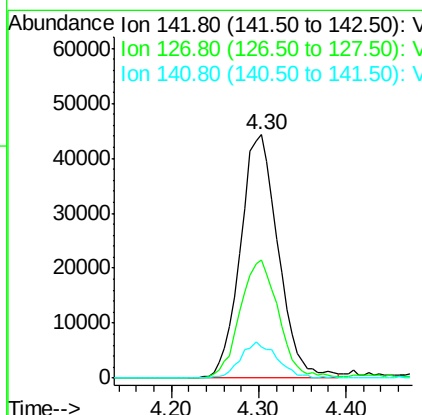
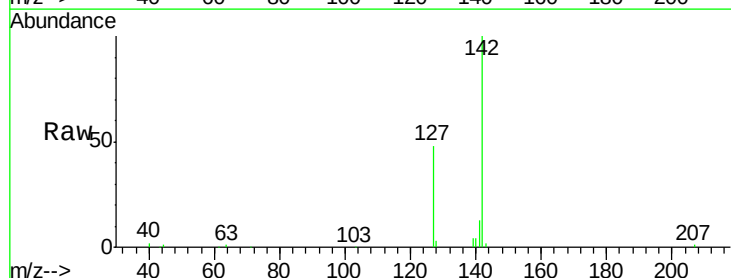
RT: 4.30 min Scan# 405

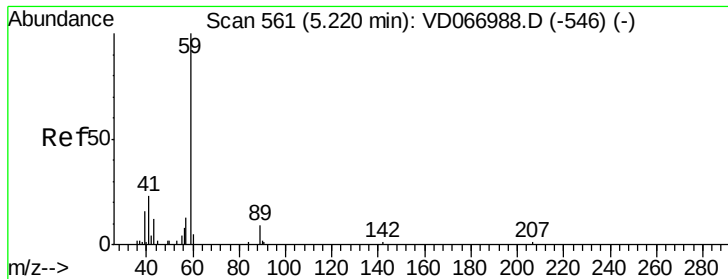
Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Tgt Ion:	142	Resp:	130387
Ion Ratio	Lower	Upper	
142	100		
127	49.5	36.3	54.5
141	14.3	12.0	18.0





#11

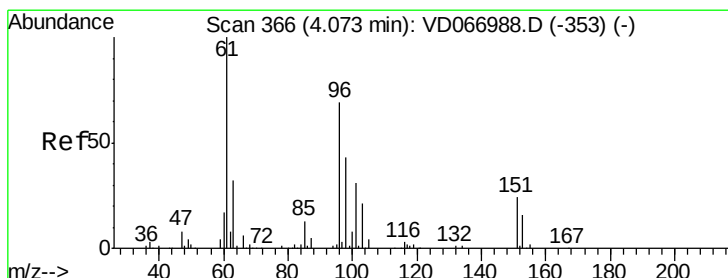
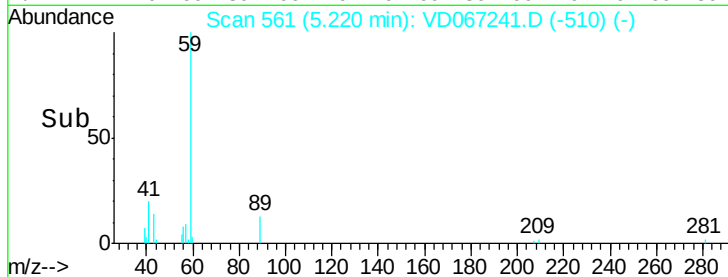
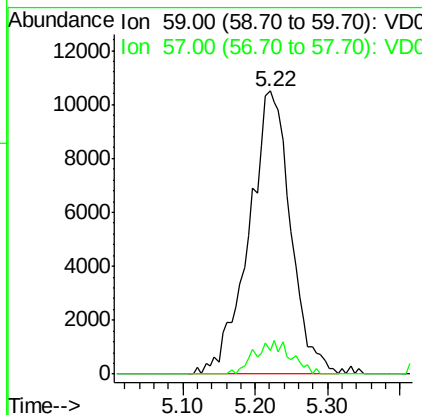
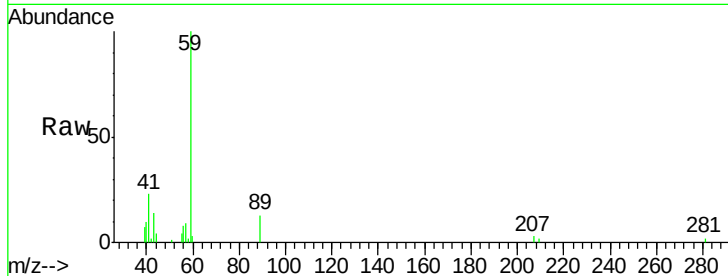
Tert butyl alcohol
Concen: 267.888 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
APPROVED

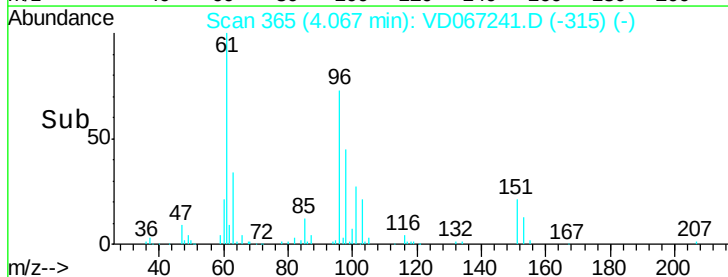
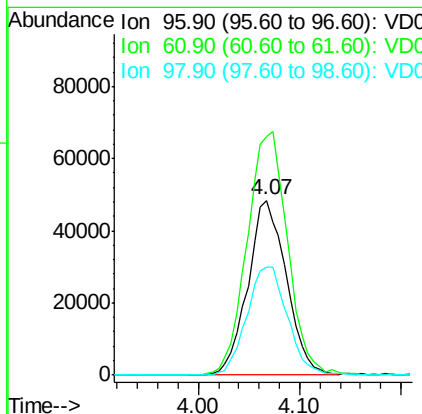
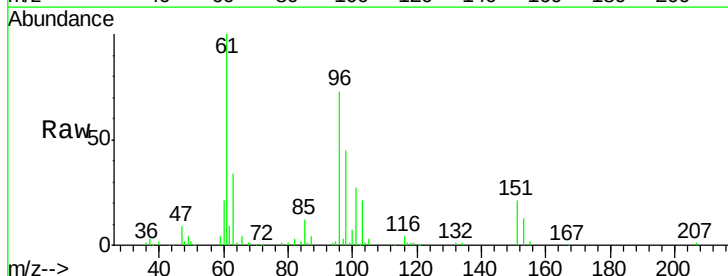
MMDadoda
10/13/2020 1:52:24 PM

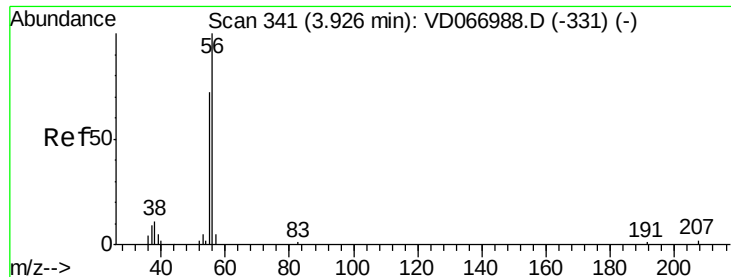


#12

1,1-Dichloroethene
Concen: 48.220 ug/l
RT: 4.07 min Scan# 366
Delta R.T. -0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.5	116.4	174.6
98	61.9	49.9	74.9





#13

Acrolein

Concen: 248.458 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45147

Ion Ratio Lower Upper

56 100

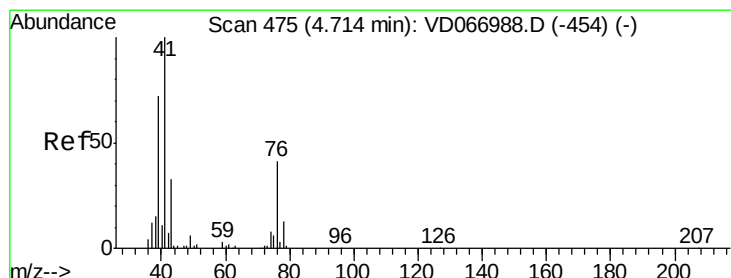
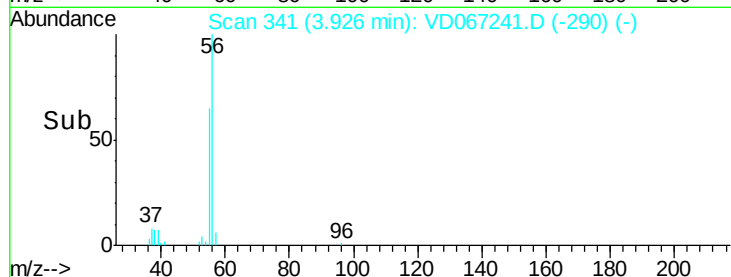
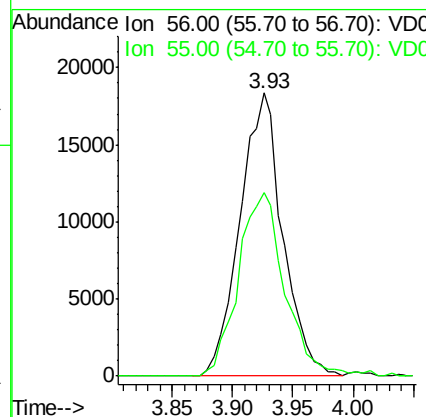
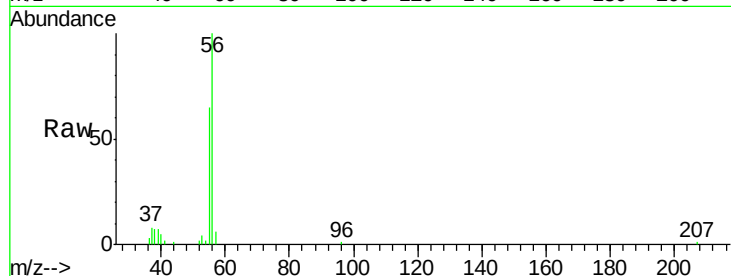
55 70.6 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

10/13/2020 1:52:24 PM



#14

Allyl chloride

Concen: 44.542 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

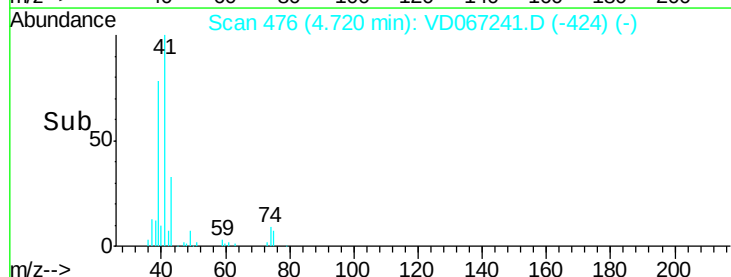
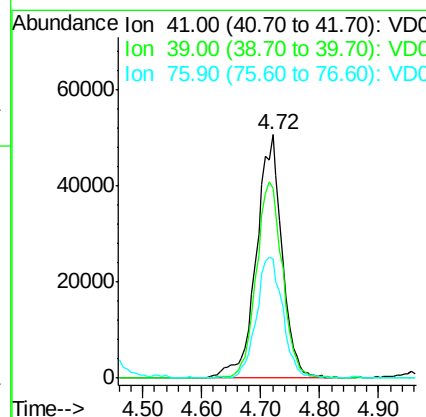
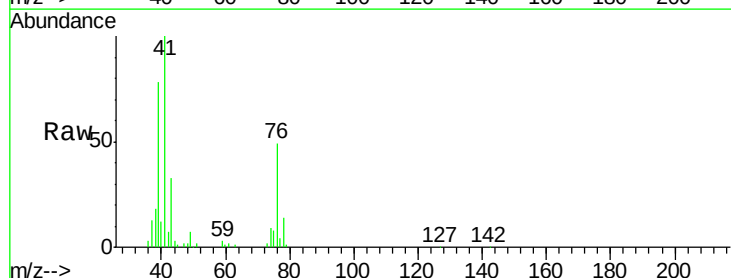
Tgt Ion: 41 Resp: 153679

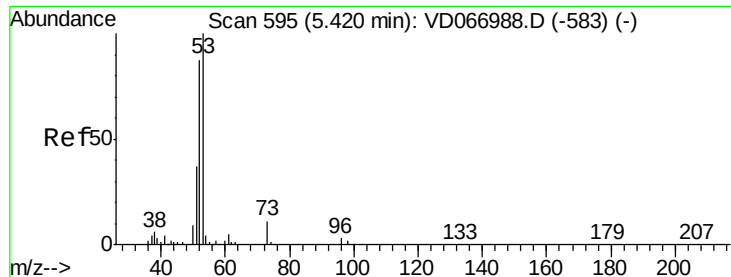
Ion Ratio Lower Upper

41 100

39 81.5 56.2 84.2

76 50.4 34.2 51.2





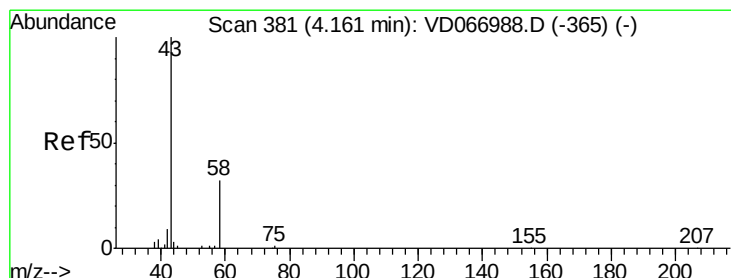
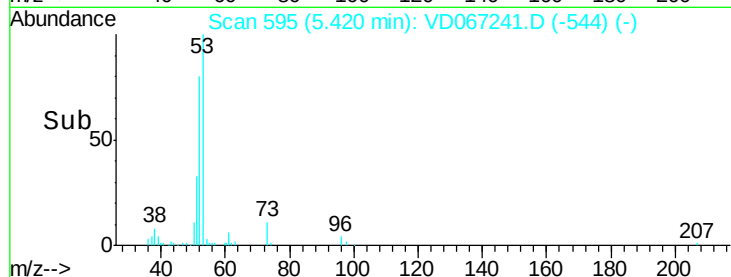
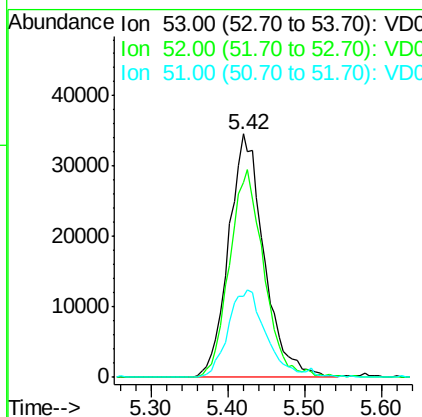
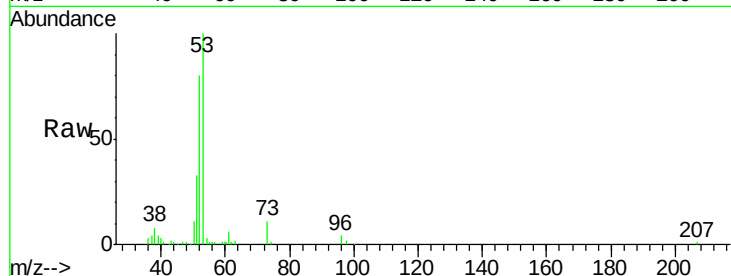
#15
 Acrylonitrile
 Concen: 244.085 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.3	100.9
51	38.1	30.2	45.2

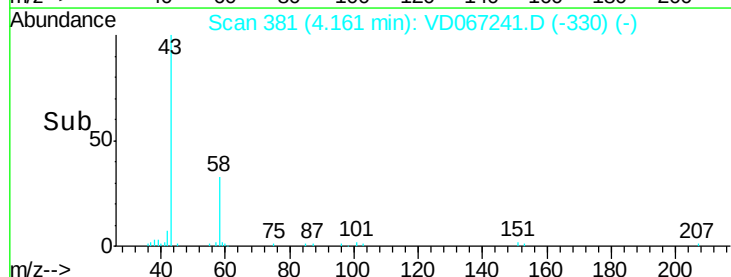
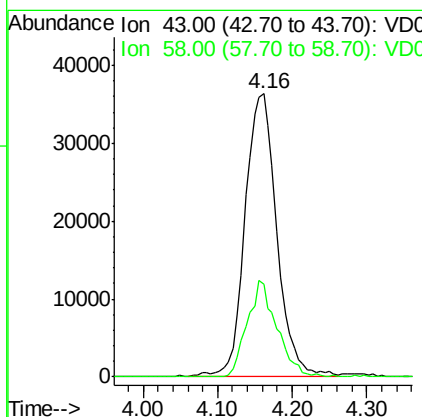
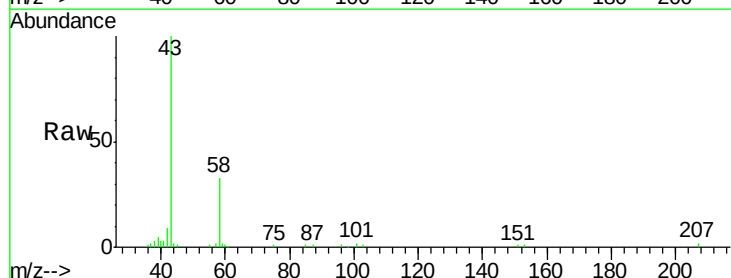
Manual Integrations
 APPROVED

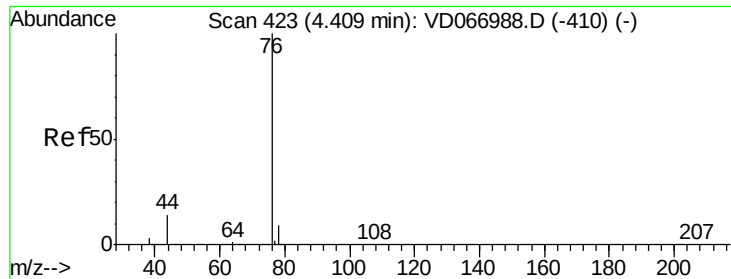
MMDadoda
 10/13/2020 1:52:24 PM



#16
 Acetone
 Concen: 260.737 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.9	38.9





#17

Carbon Disulfide

Concen: 44.974 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 366574

Ion Ratio Lower Upper

76 100

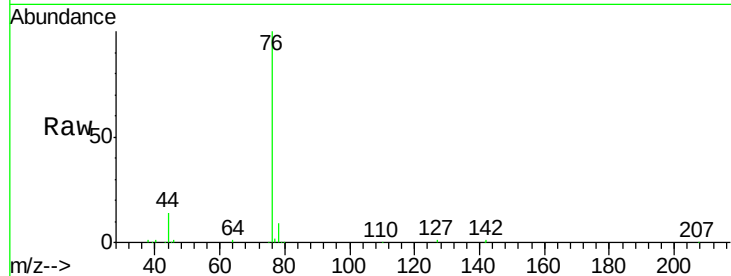
78 8.8 7.5 11.3

Manual Integrations

APPROVED

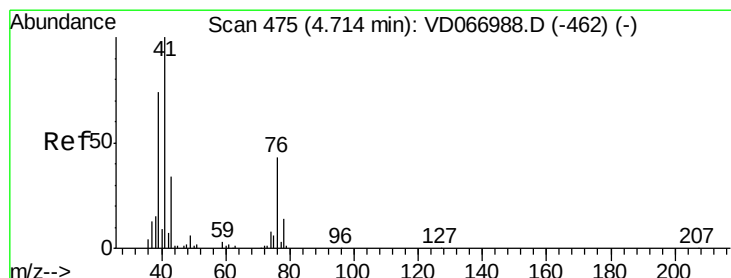
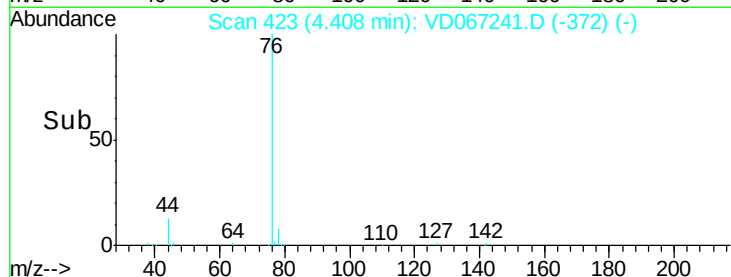
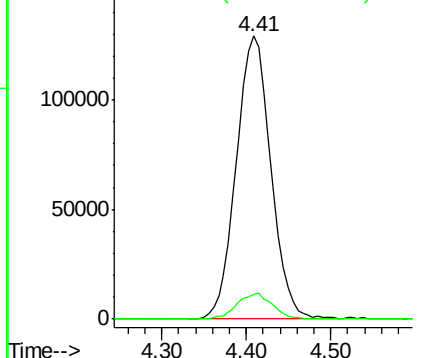
MMDadoda

10/13/2020 1:52:24 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 48.728 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067241.D

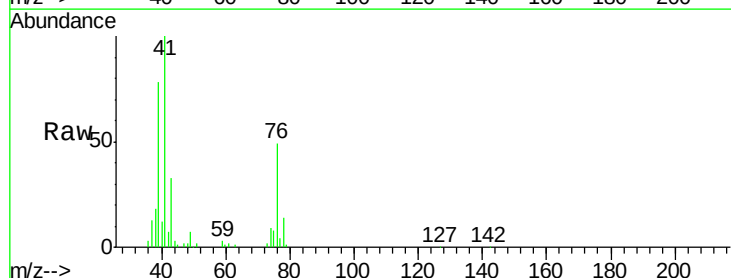
Acq: 12 Oct 2020 19:05

Tgt Ion: 43 Resp: 50733

Ion Ratio Lower Upper

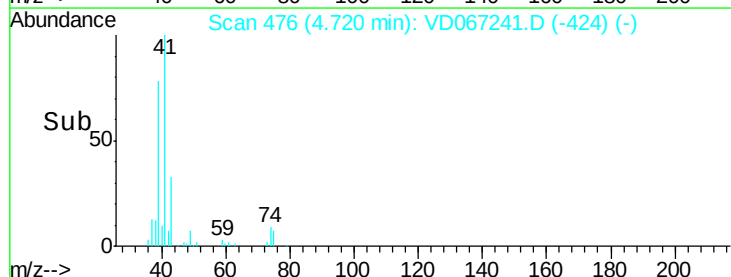
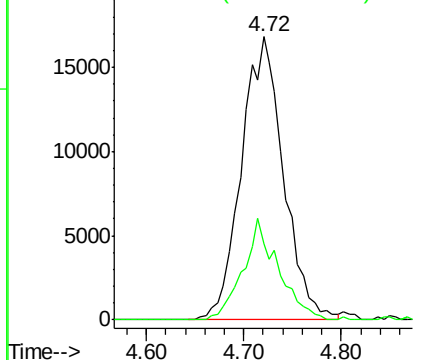
43 100

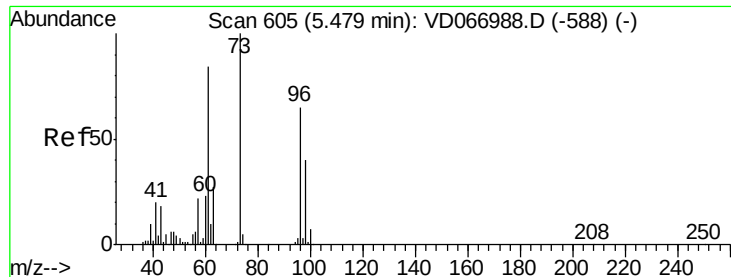
74 29.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





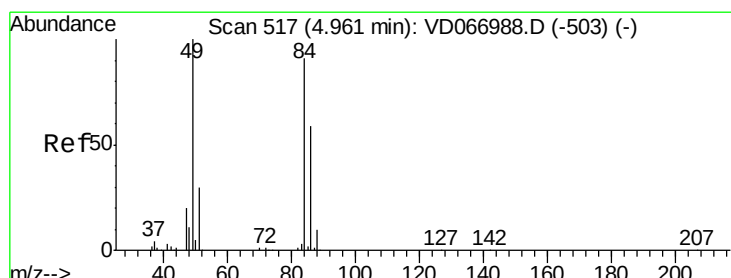
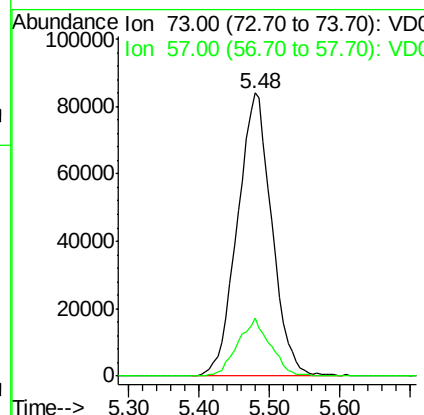
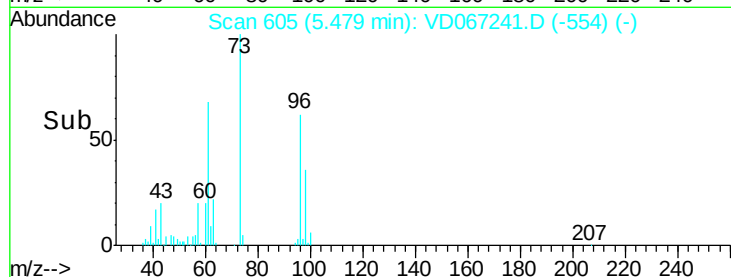
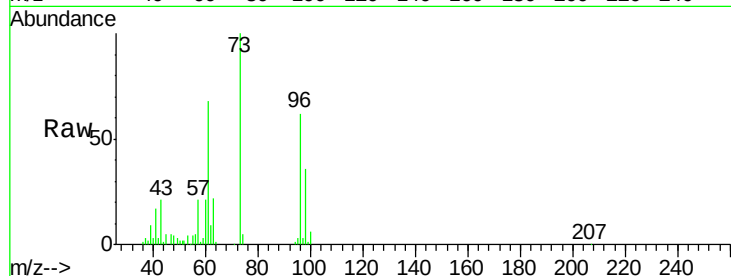
#19
Methyl tert-butyl Ether
Concen: 58.630 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 284260
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.0

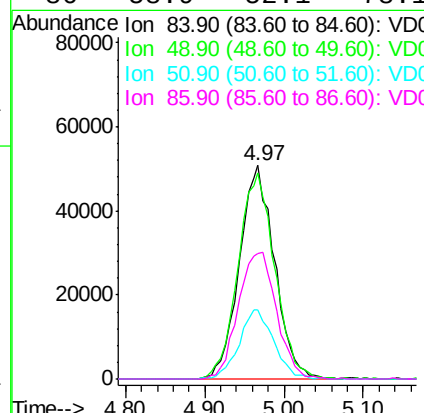
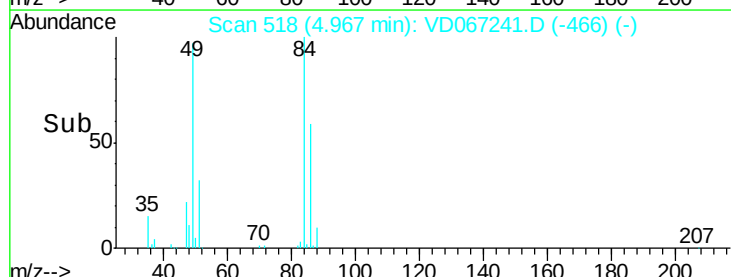
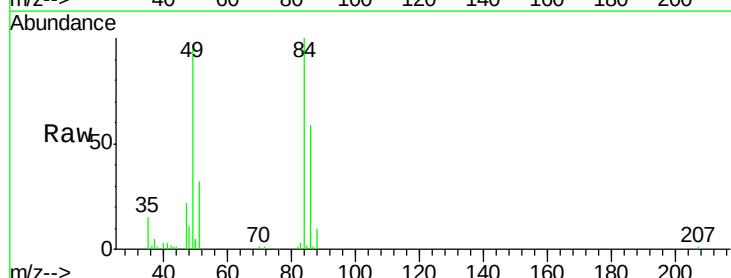
Manual Integrations
APPROVED

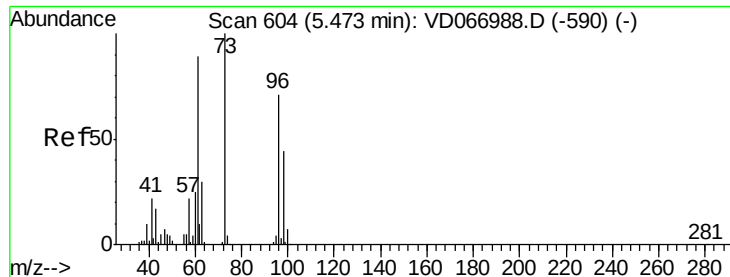
MMDadoda
10/13/2020 1:52:24 PM



#20
Methylene Chloride
Concen: 53.868 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 84 Resp: 156697
Ion Ratio Lower Upper
84 100
49 96.6 88.2 132.2
51 32.4 26.6 39.8
86 58.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 51.054 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

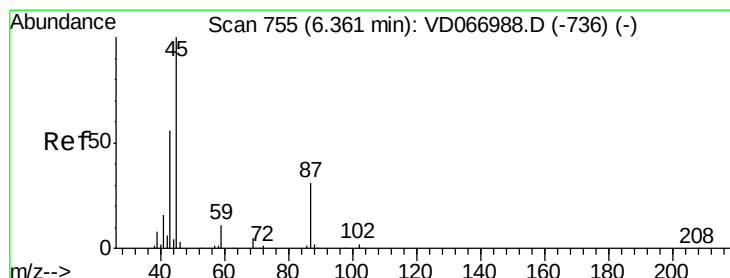
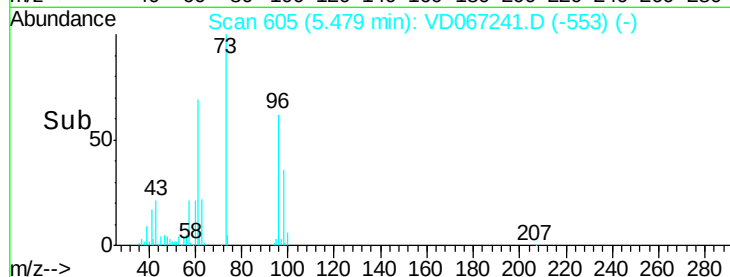
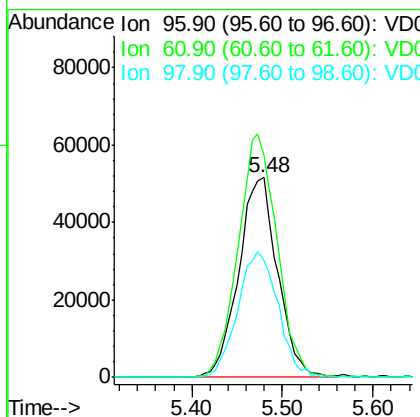
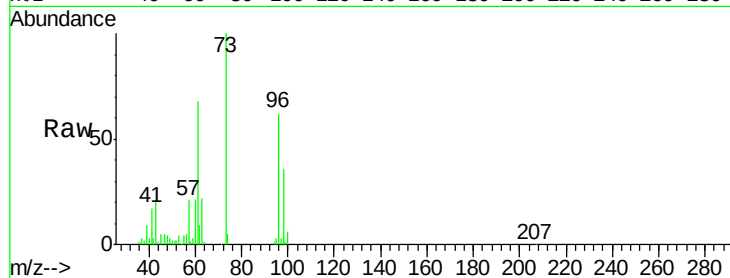
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	154310
Ion	Ratio	Lower	Upper
96	100		
61	111.3	99.6	149.4
98	58.6	49.4	74.2

Manual Integrations
APPROVED

MMDadoda
10/13/2020 1:52:24 PM



#22

Diisopropyl ether

Concen: 47.420 ug/l

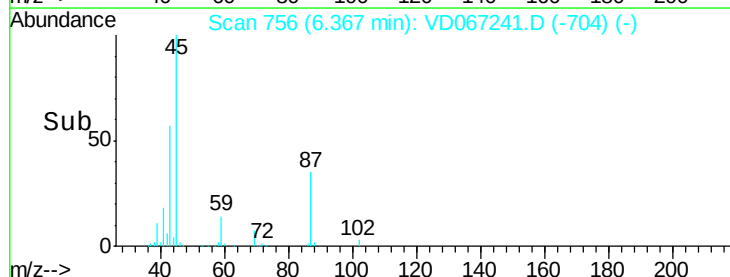
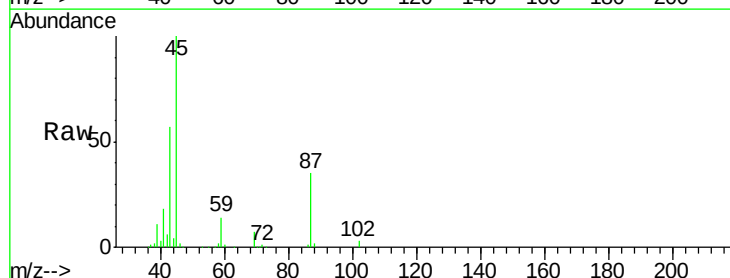
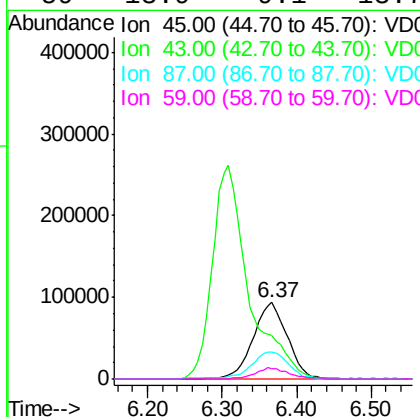
RT: 6.37 min Scan# 756

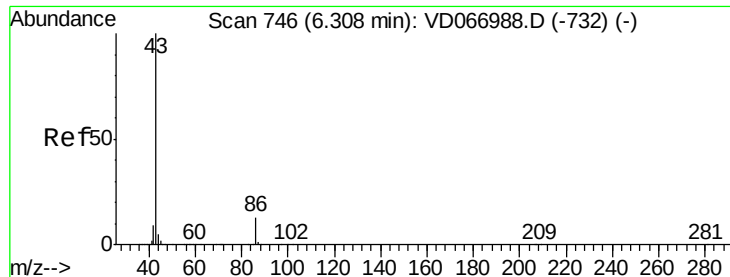
Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Tgt Ion:	45	Resp:	298695
Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.2	67.8
87	34.5	25.6	38.4
59	13.9	9.1	13.7#





#23

Vinyl Acetate

Concen: 247.787 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 884438

Ion Ratio Lower Upper

43 100

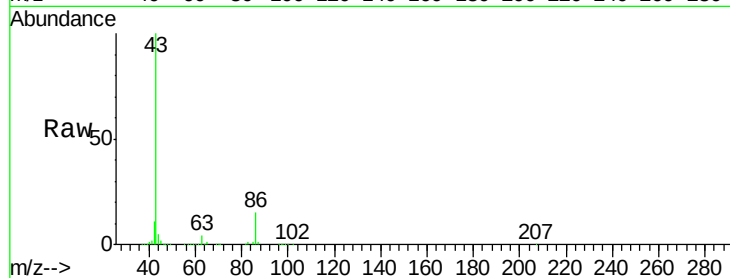
86 14.9 10.2 15.2

Manual Integrations

APPROVED

MMDadoda

10/13/2020 1:52:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

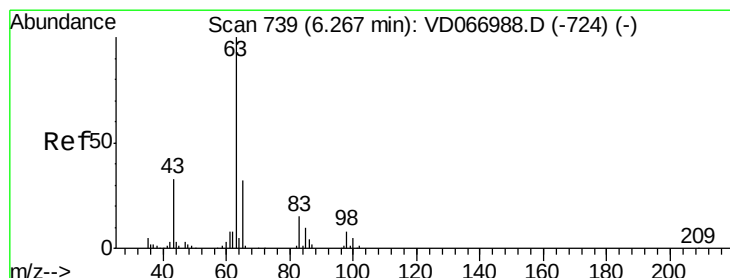
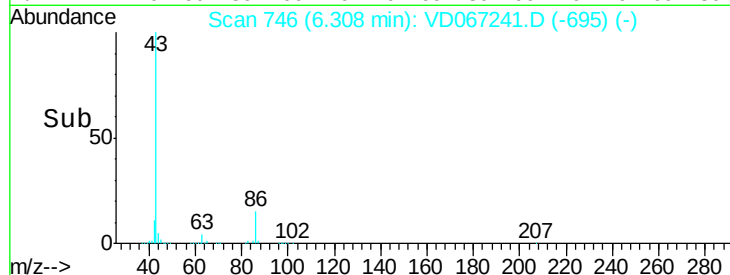
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.213 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

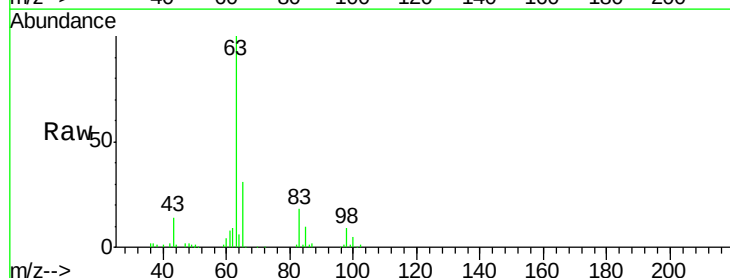
Tgt Ion: 63 Resp: 239233

Ion Ratio Lower Upper

63 100

98 9.2 4.2 12.6

100 4.9 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

100000

80000

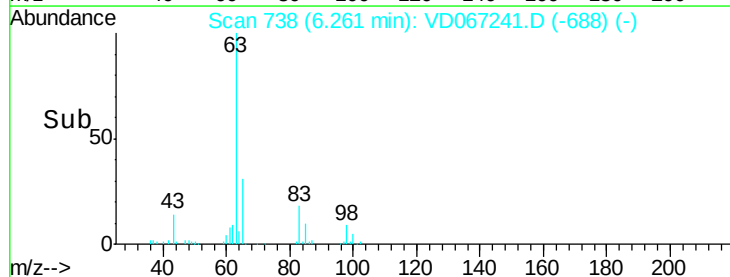
60000

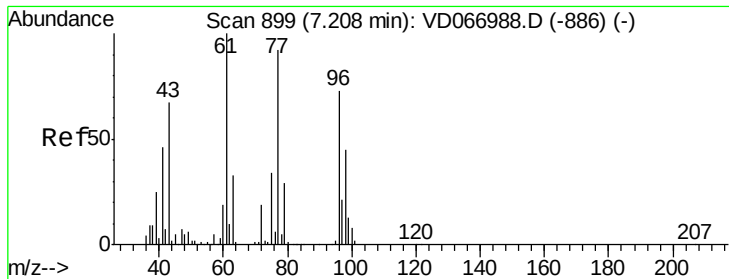
40000

20000

0

Time-->





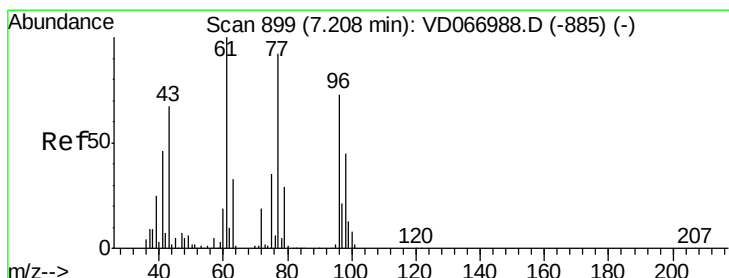
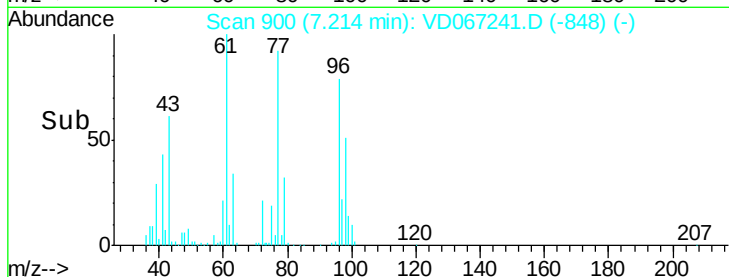
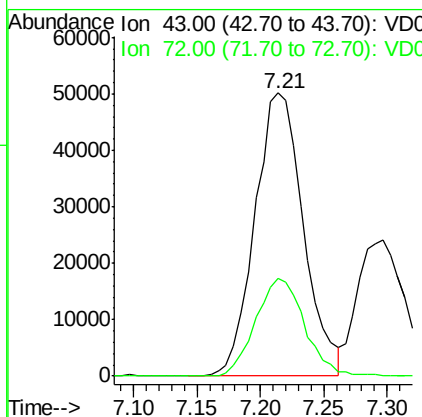
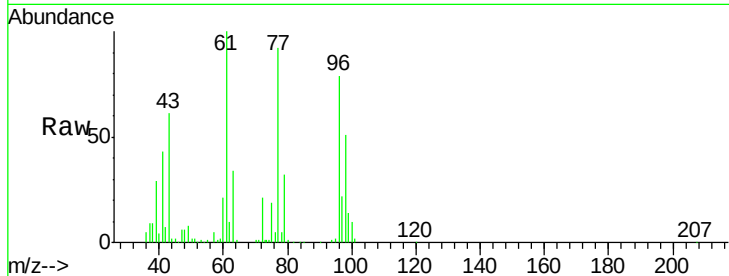
#25
2-Butanone
Concen: 228.185 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 134015
Ion Ratio Lower Upper
43 100
72 34.5 22.8 34.2#

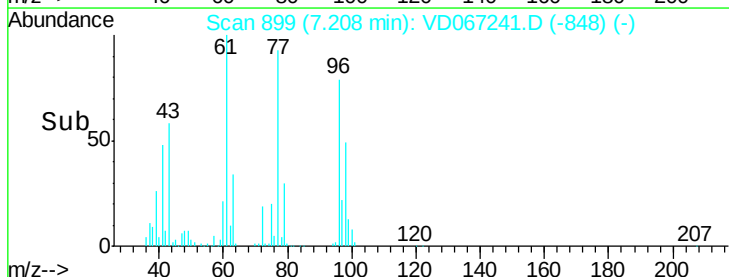
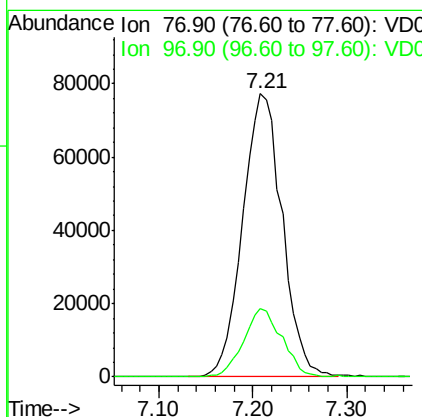
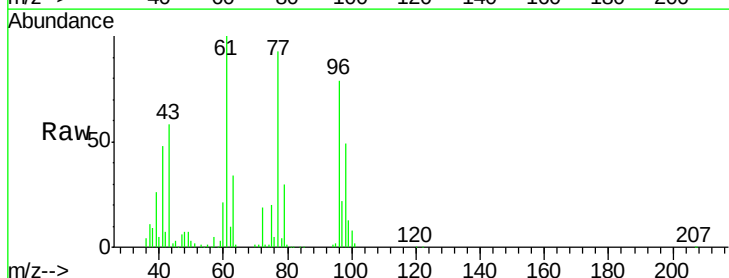
Manual Integrations
APPROVED

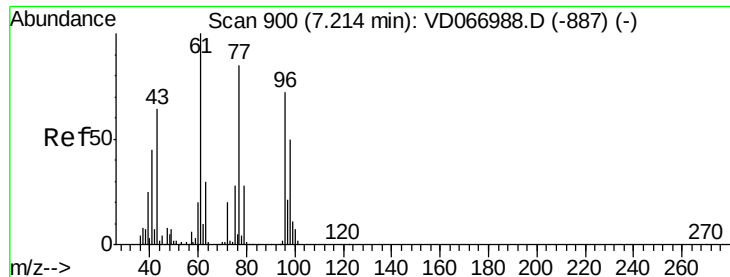
MMDadoda
10/13/2020 1:52:24 PM



#26
2,2-Dichloropropane
Concen: 54.479 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 77 Resp: 224919
Ion Ratio Lower Upper
77 100
97 23.4 11.4 34.2





#27

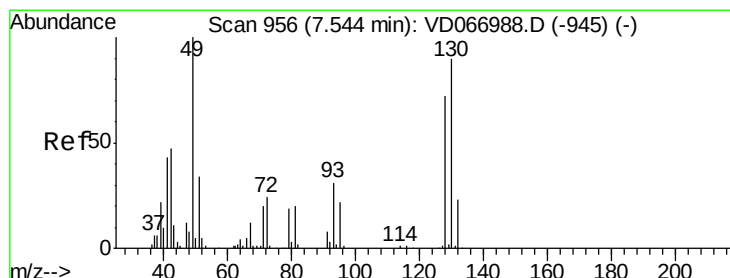
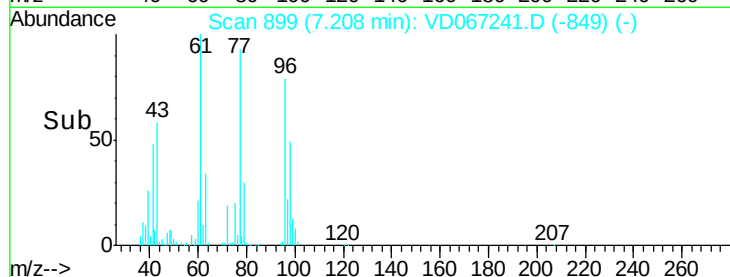
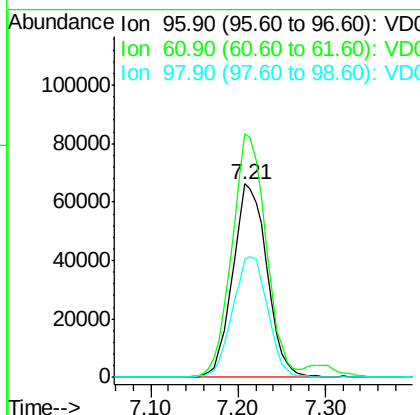
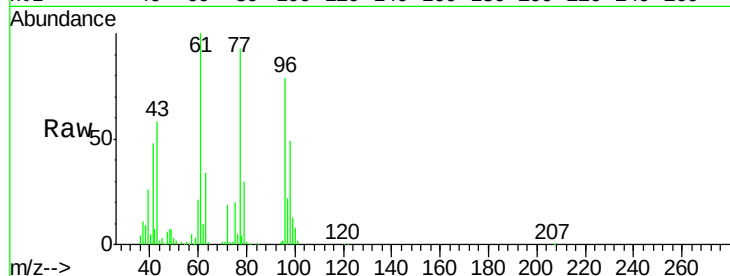
cis-1,2-Dichloroethene
 Concen: 54.355 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	175459		
61	125.5	0.0	269.2	
98	63.9	0.0	129.4	

Manual Integrations
 APPROVED

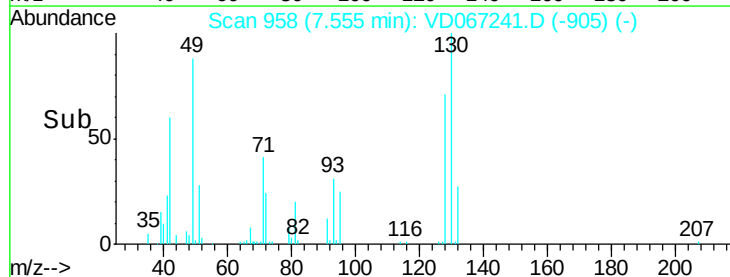
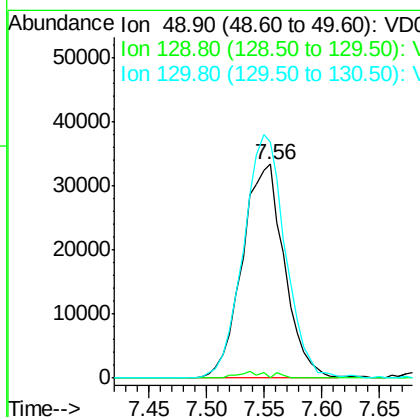
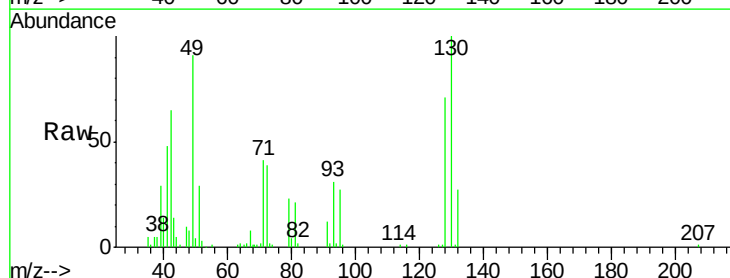
MMDadoda
 10/13/2020 1:52:24 PM

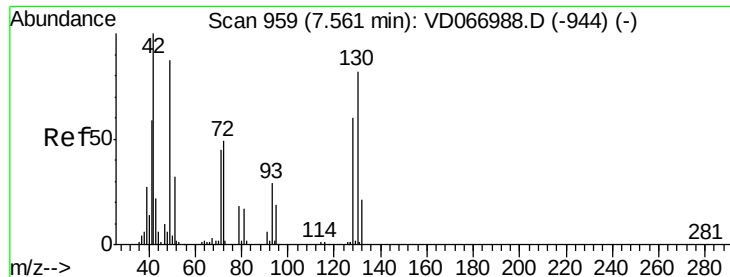


#28

Bromochloromethane
 Concen: 45.253 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84954		
129	1.6	0.0	4.6	
130	112.8	74.1	111.1#	





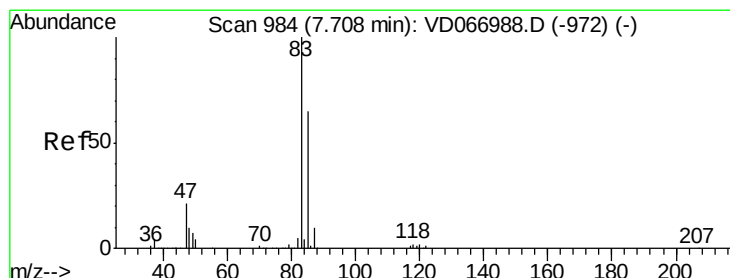
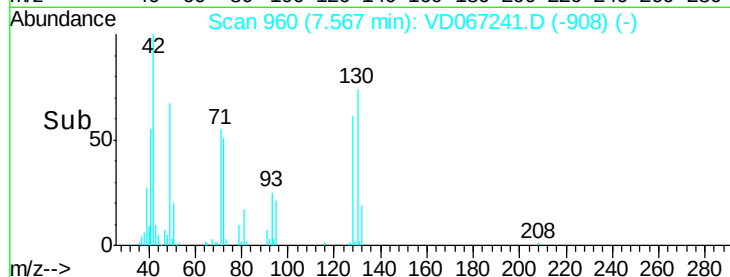
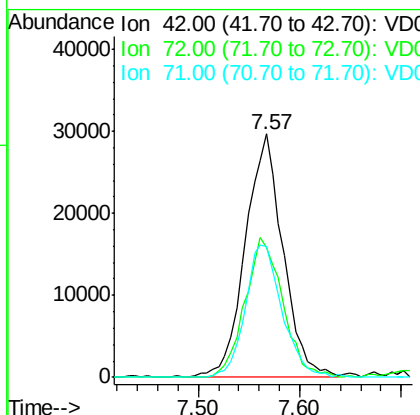
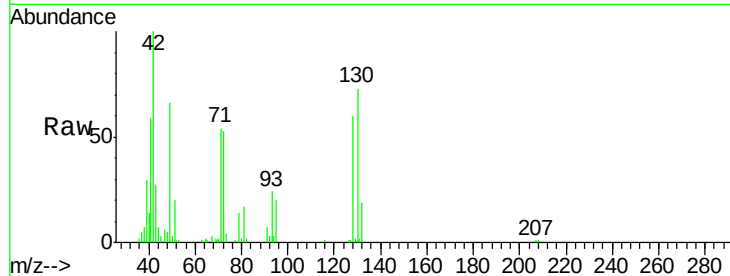
#29
Tetrahydrofuran
Concen: 226.489 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.9	39.1	58.7
71	53.4	34.2	51.4

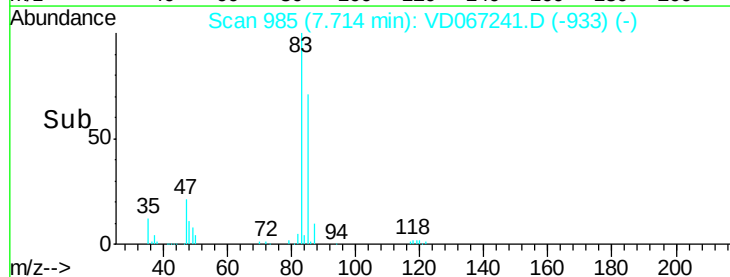
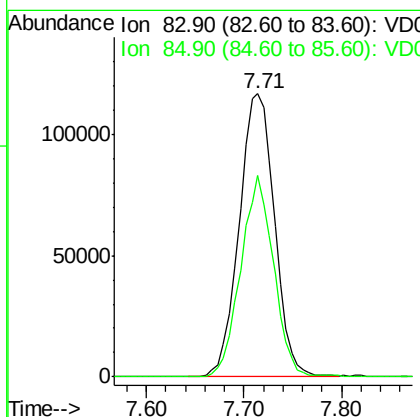
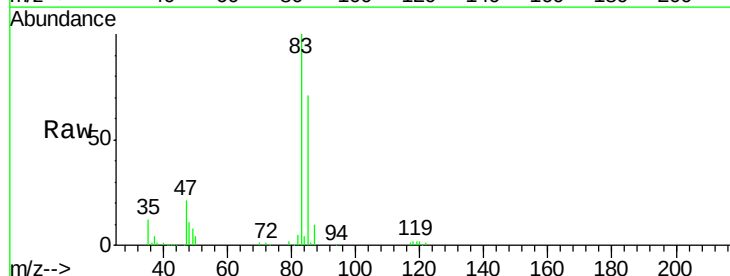
Manual Integrations
APPROVED

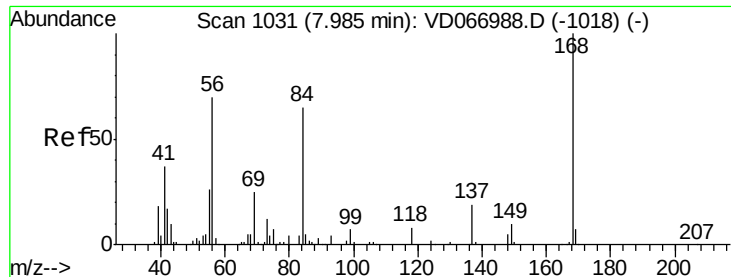
MMDadoda
10/13/2020 1:52:24 PM



#30
Chloroform
Concen: 55.677 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.2	52.3	78.5





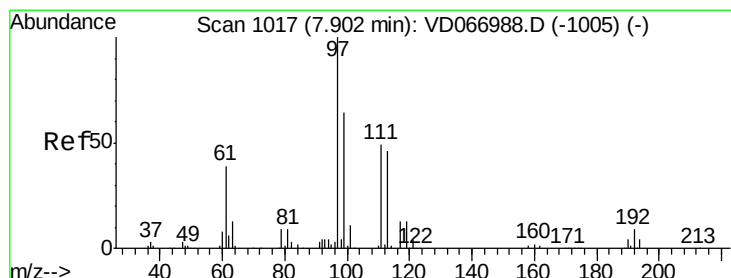
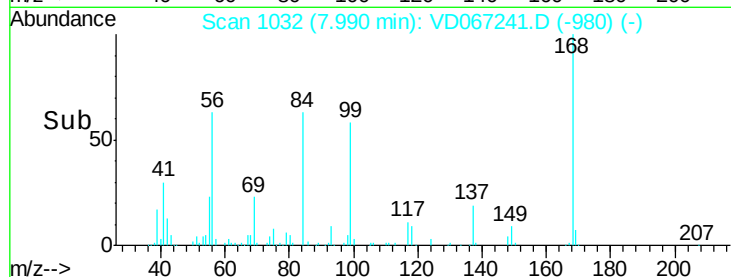
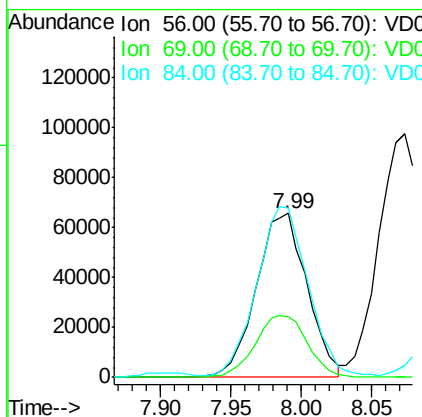
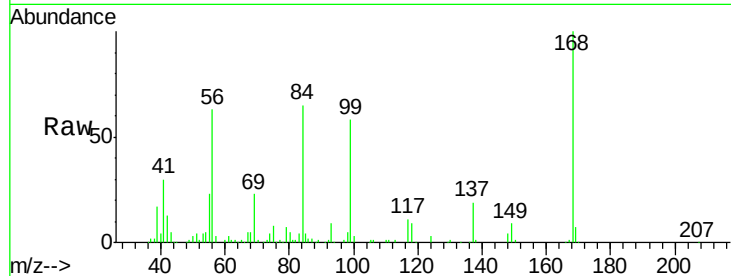
#31
Cyclohexane
Concen: 40.684 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	29.0	43.6
84	101.3	74.2	111.2

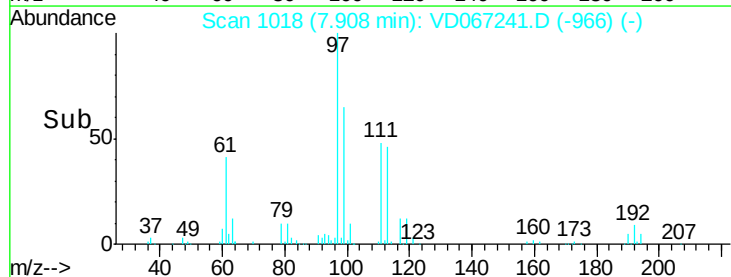
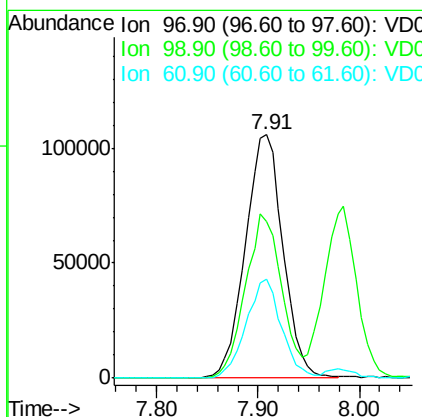
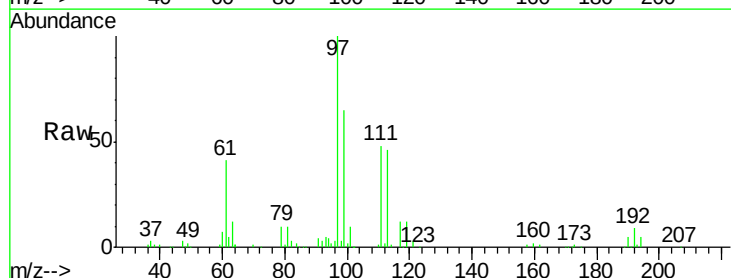
Manual Integrations
APPROVED

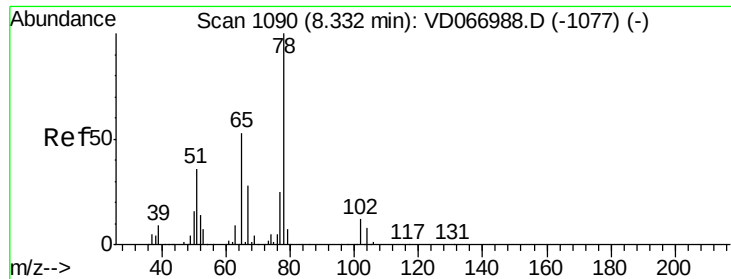
MMDadoda
10/13/2020 1:52:24 PM



#32
1,1,1-Trichloroethane
Concen: 55.788 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.6	78.8
61	38.1	32.8	49.2





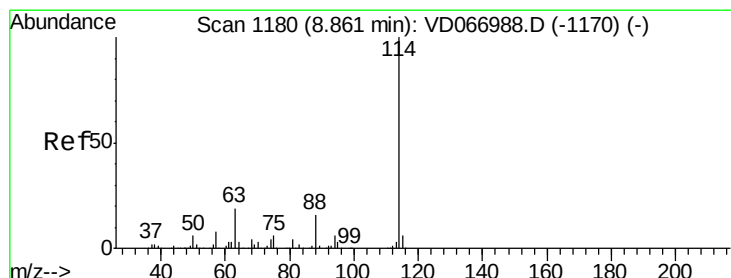
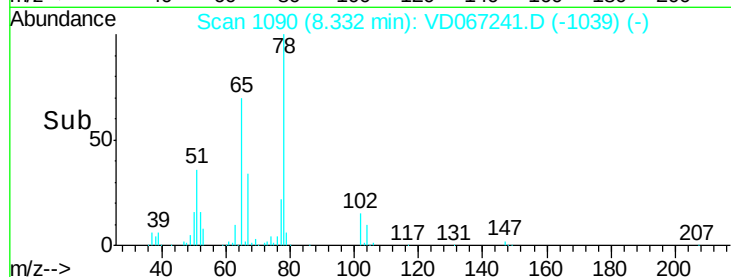
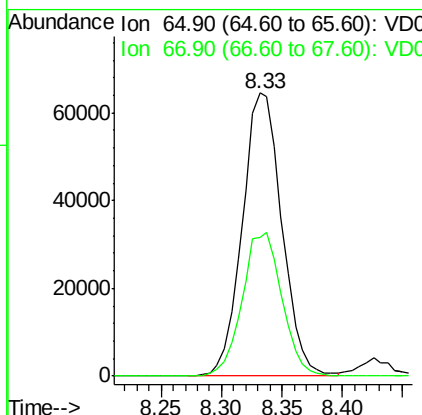
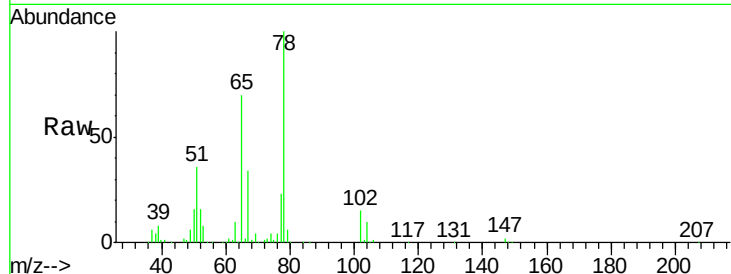
#33
 1,2-Dichloroethane-d4
 Concen: 54.315 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147394		
67	51.0	0.0	106.8	

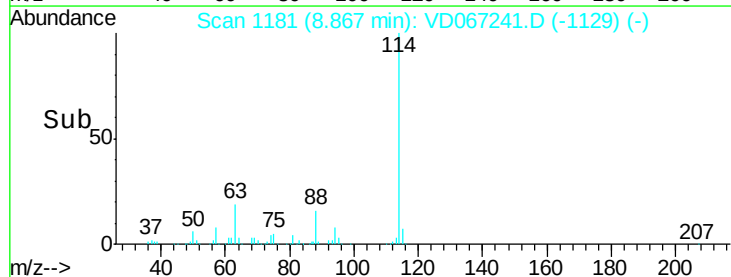
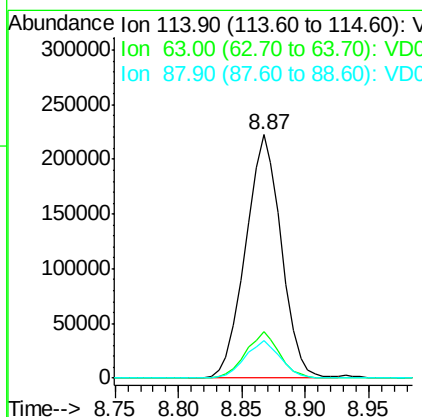
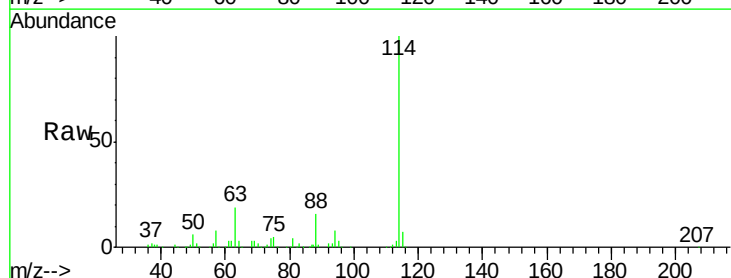
Manual Integrations
 APPROVED

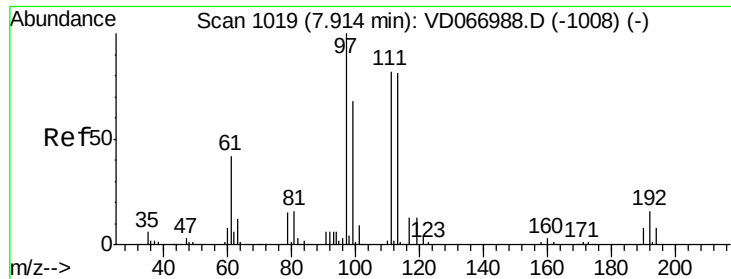
MMDadoda
 10/13/2020 1:52:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	436857		
63	19.0	0.0	38.4	
88	15.5	0.0	31.2	





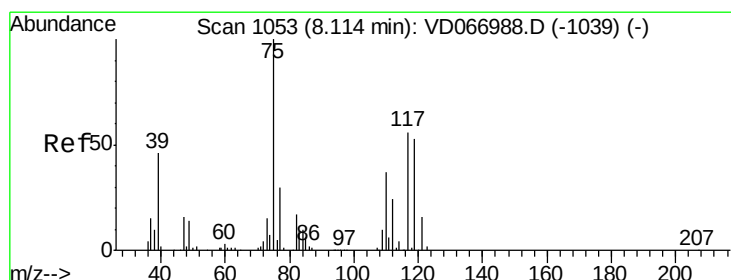
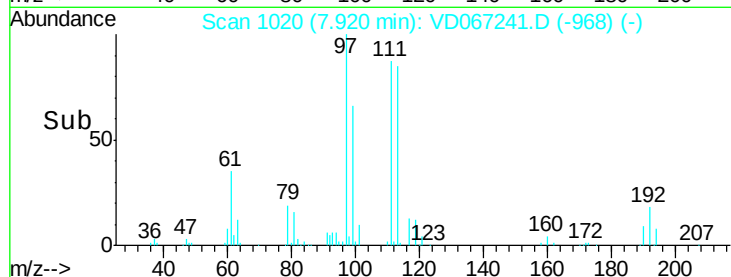
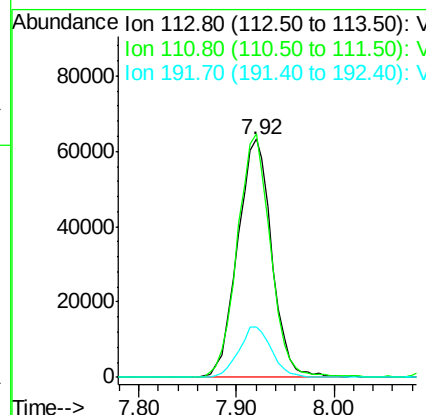
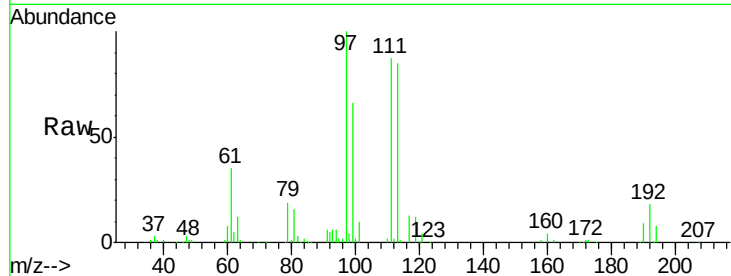
#35
 Dibromofluoromethane
 Concen: 53.750 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153726		
111	99.4	83.0	124.4	
192	20.5	15.5	23.3	

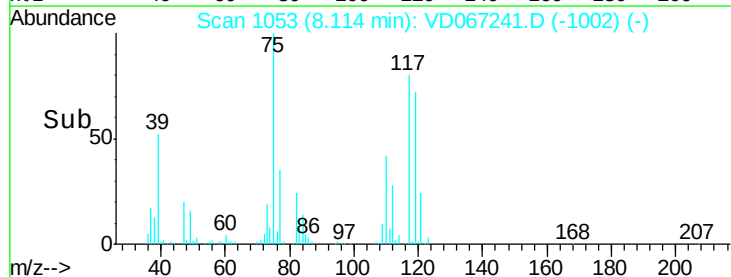
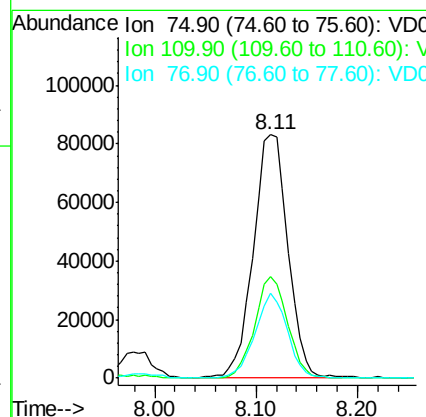
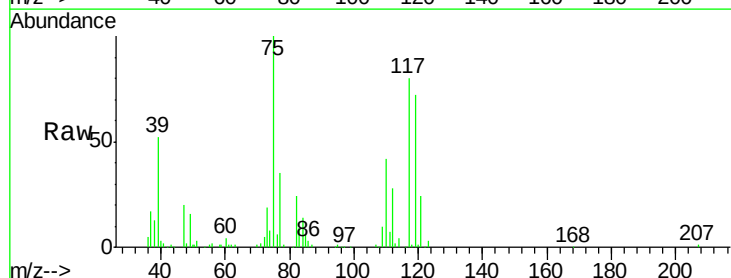
Manual Integrations
 APPROVED

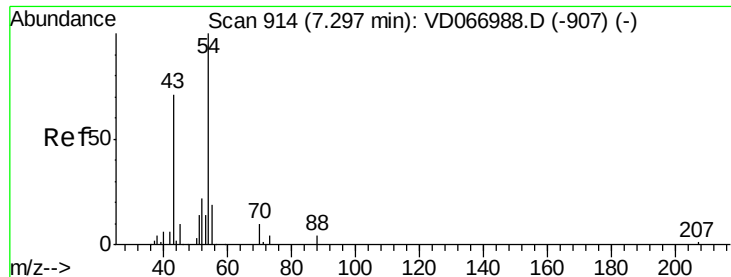
MMDadoda
 10/13/2020 1:52:24 PM



#36
 1,1-Dichloropropene
 Concen: 48.505 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197512		
110	39.7	18.4	55.0	
77	32.6	24.8	37.2	





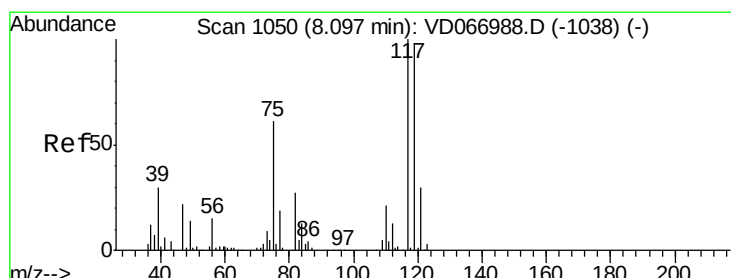
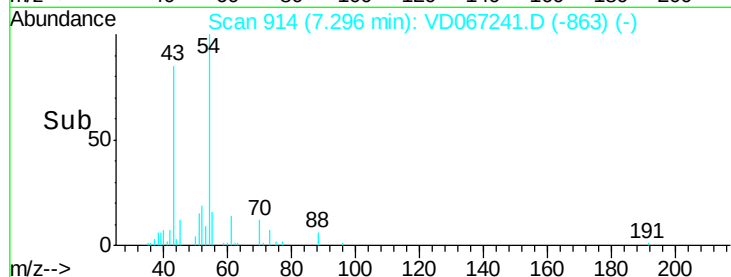
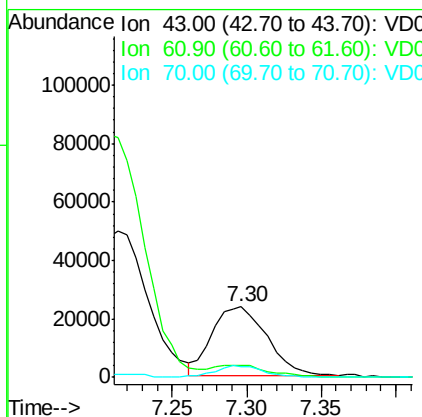
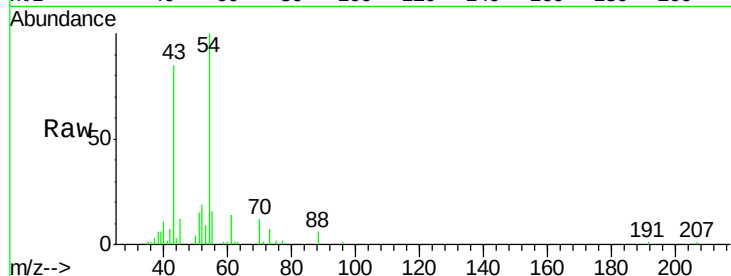
#37
Ethyl Acetate
Concen: 42.775 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	12.5	18.7
70	14.7	9.4	14.0

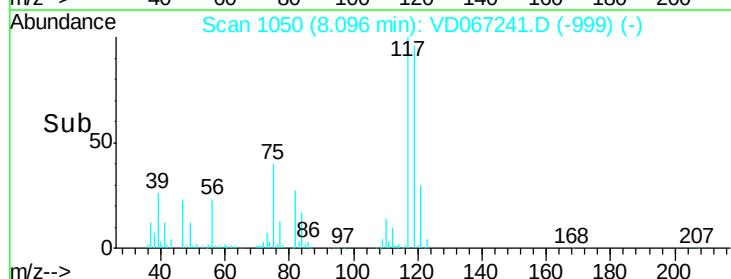
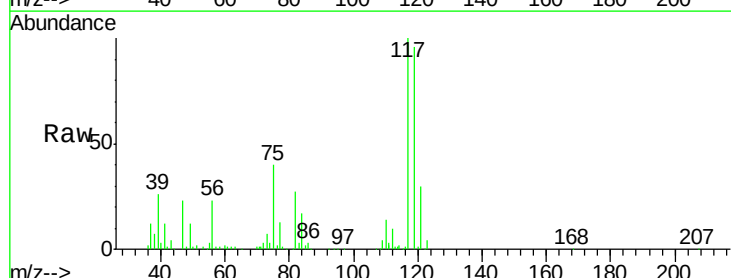
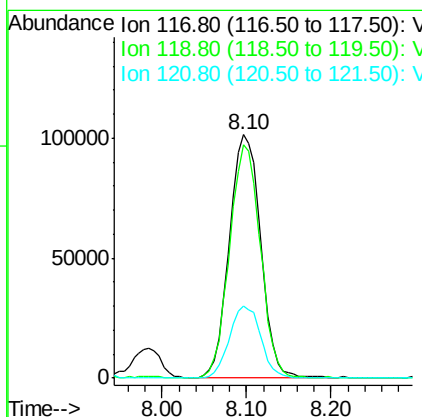
Manual Integrations
APPROVED

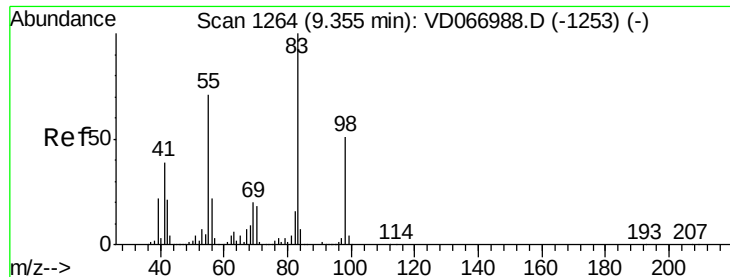
MMDadoda
10/13/2020 1:52:24 PM



#38
Carbon Tetrachloride
Concen: 59.009 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.7	118.1
121	29.8	24.2	36.2





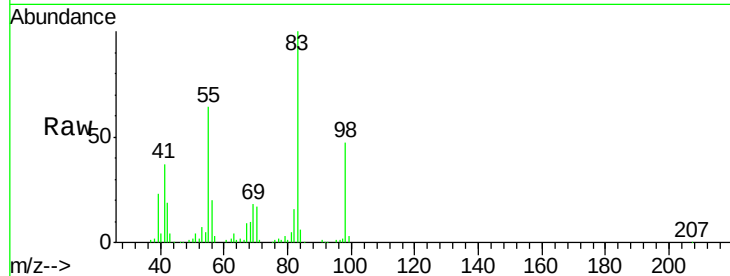
#39
Methylvlcyclohexane
Concen: 49.464 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

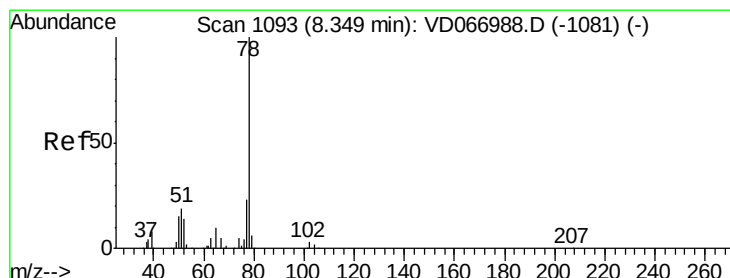
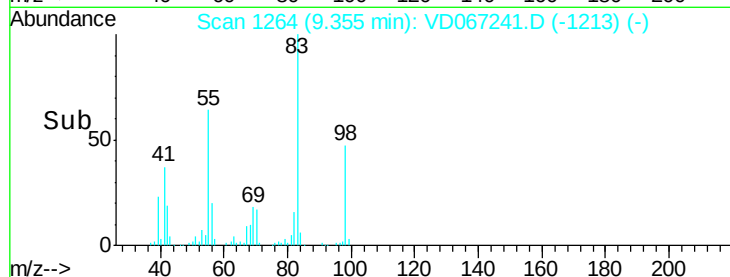
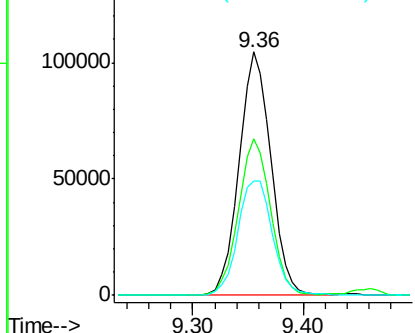
Tot Ion	Ratio	Lower	Upper
83	100		
55	64.2	57.1	85.7
98	47.0	40.9	61.3

Manual Integrations
APPROVED

MMDadoda
10/13/2020 1:52:24 PM

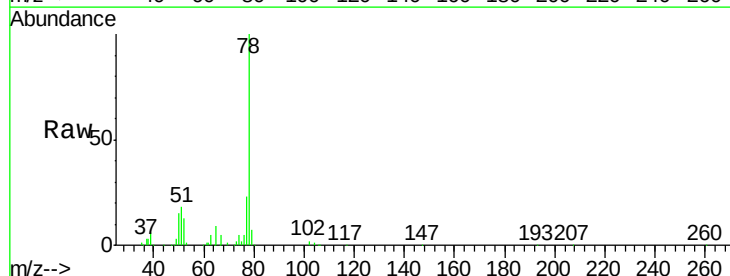


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

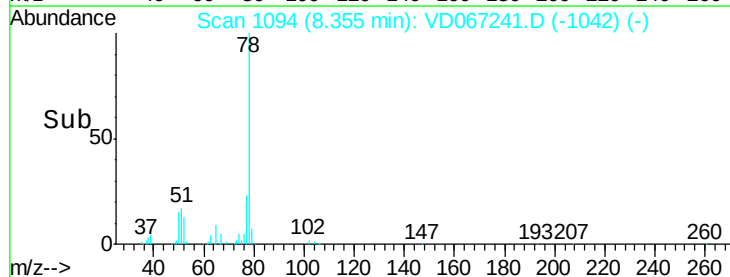
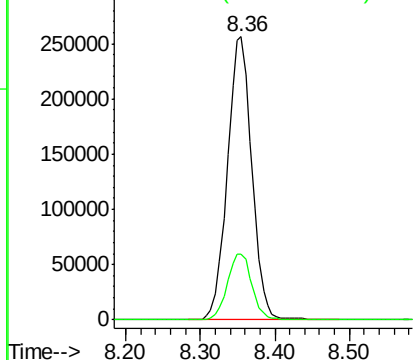


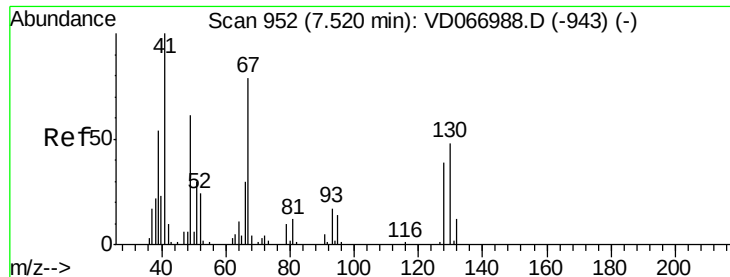
#40
Benzene
Concen: 51.560 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





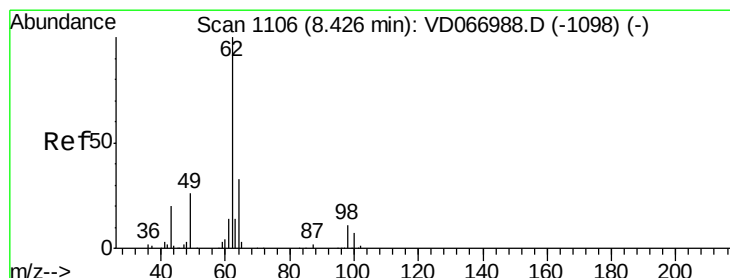
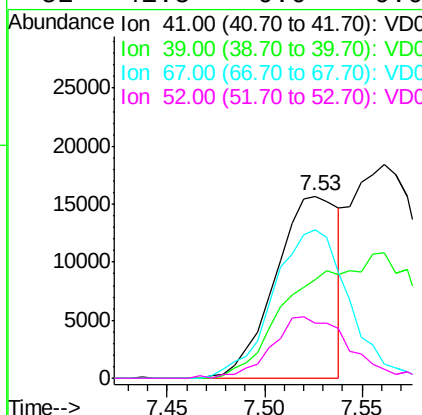
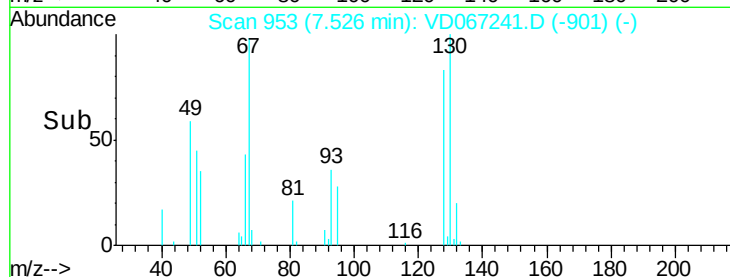
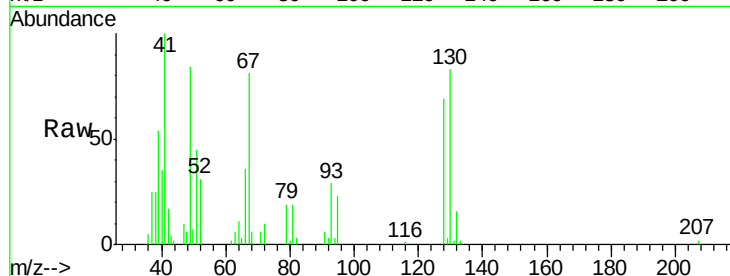
#41
Methacrylonitrile
Concen: 46.276 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	97.1	0.0	0.0#
52	41.5	0.0	0.0#

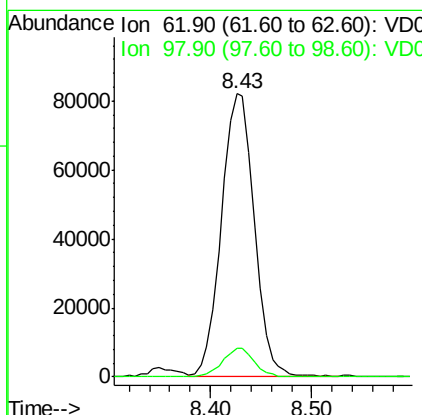
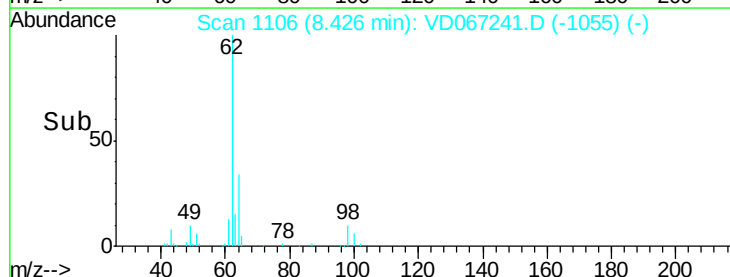
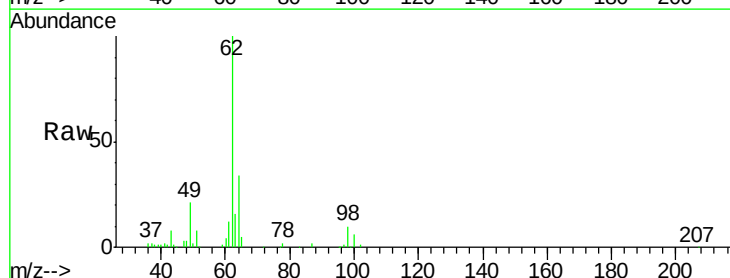
Manual Integrations
APPROVED

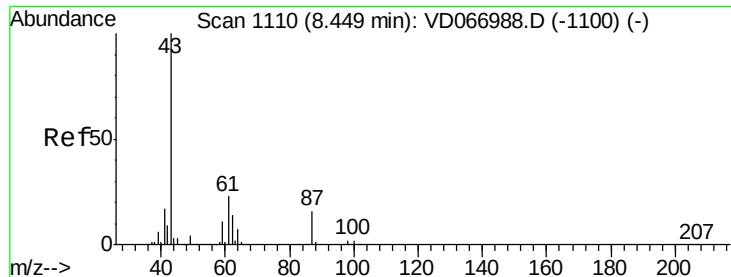
MMDadoda
10/13/2020 1:52:24 PM



#42
1,2-Dichloroethane
Concen: 58.088 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	22.6





#43

Isopropyl Acetate

Concen: 48.427 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

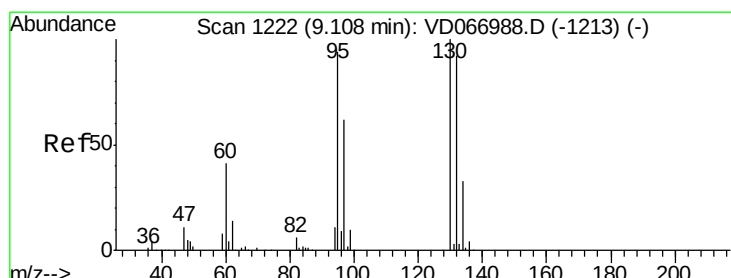
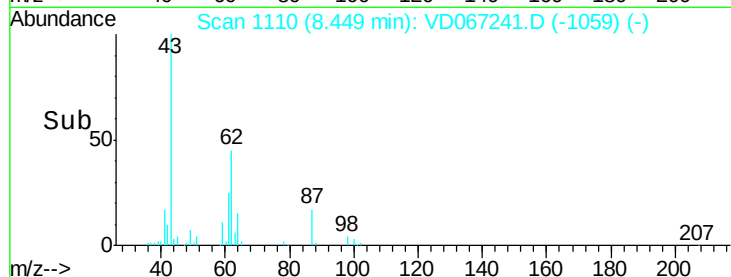
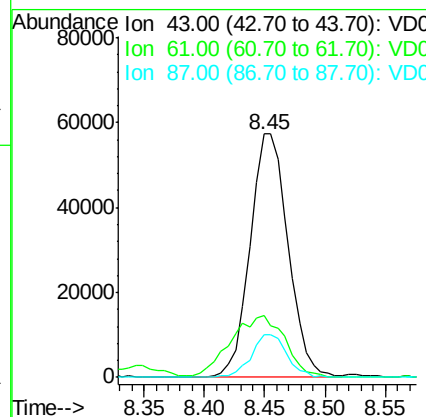
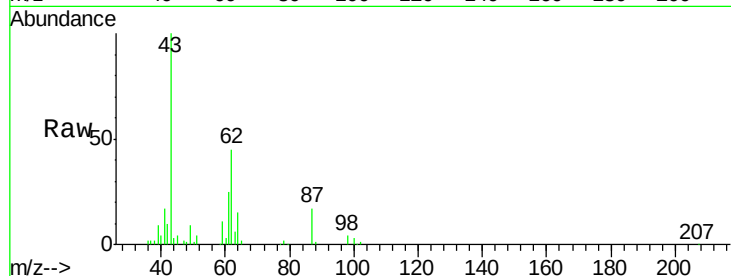
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	125849
Ion	Ratio	Lower	Upper
43	100		
61	36.3	27.1	40.7
87	16.5	12.3	18.5

Manual Integrations
APPROVED

MMDadoda
10/13/2020 1:52:24 PM



#44

Trichloroethene

Concen: 55.319 ug/l

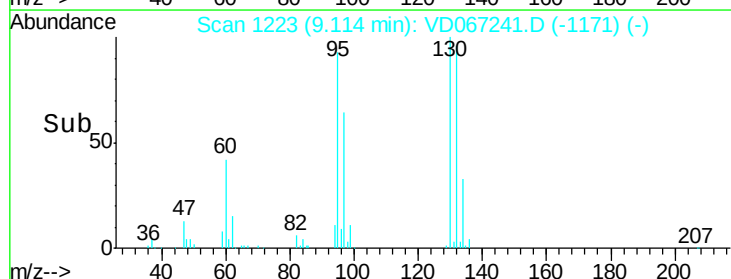
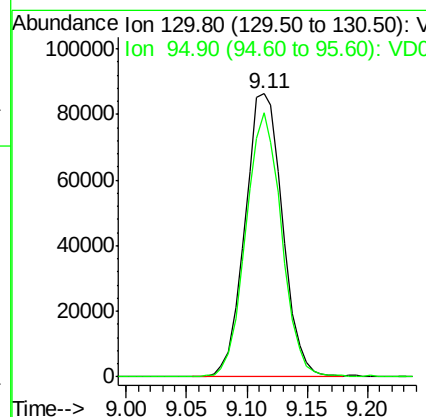
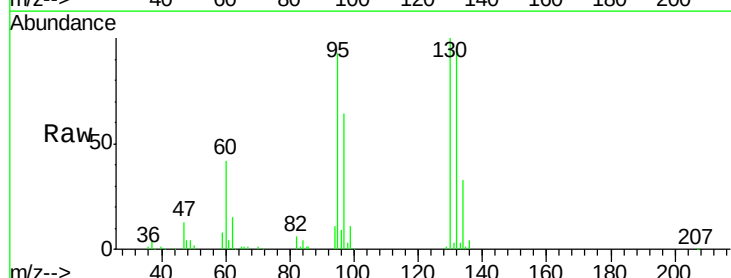
RT: 9.11 min Scan# 1223

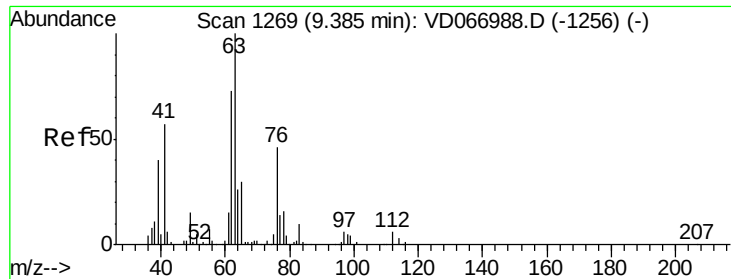
Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Tgt Ion:	130	Resp:	186831
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	187.8





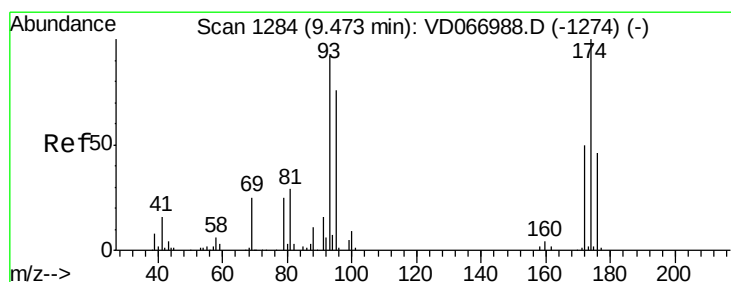
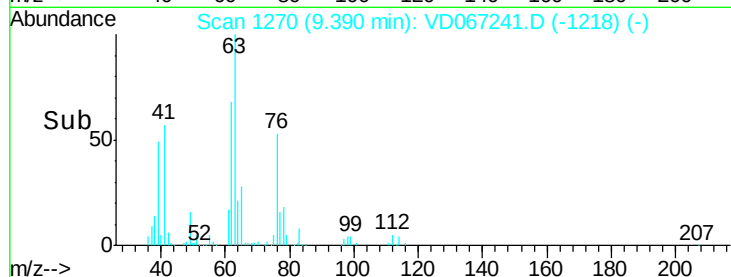
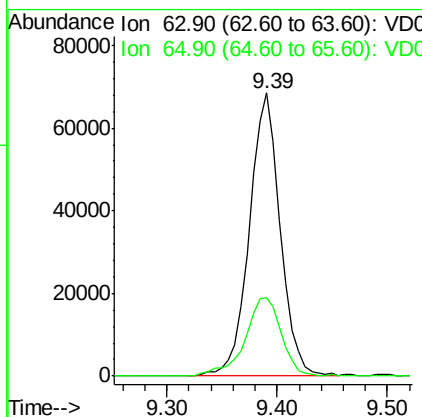
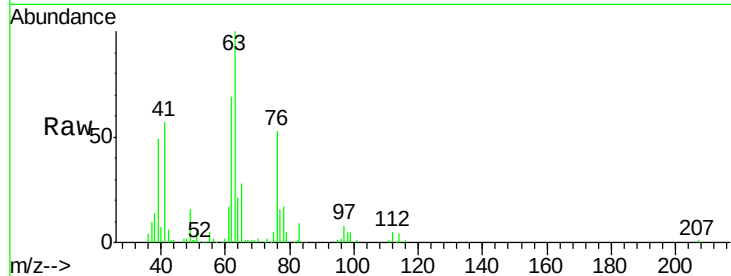
#45
 1,2-Dichloropropane
 Concen: 50.567 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 134380
 Ion Ratio Lower Upper
 63 100
 65 28.0 23.7 35.5

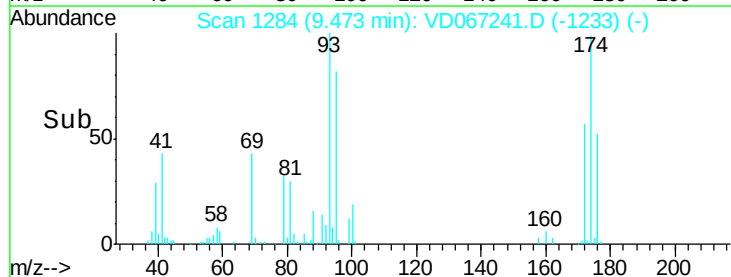
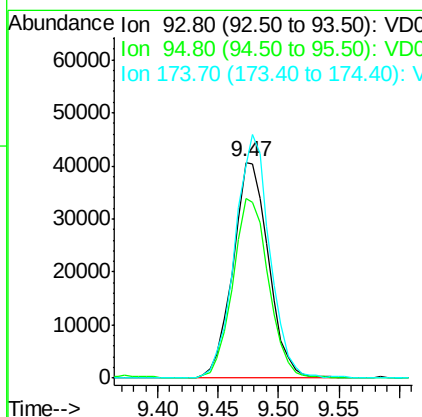
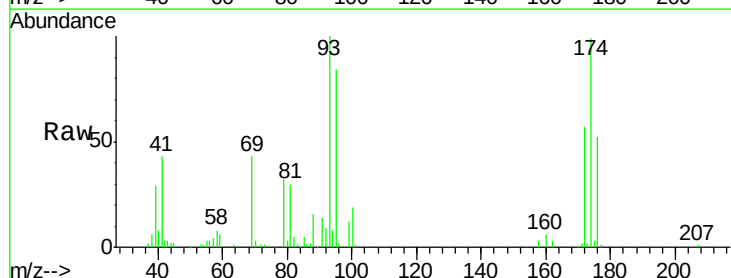
Manual Integrations
 APPROVED

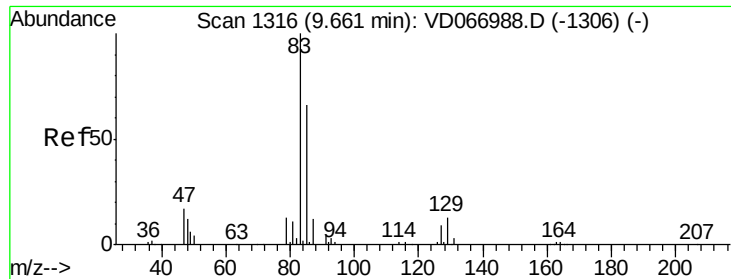
MMDadoda
 10/13/2020 1:52:24 PM



#46
 Dibromomethane
 Concen: 54.720 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion: 93 Resp: 83578
 Ion Ratio Lower Upper
 93 100
 95 83.6 64.7 97.1
 174 110.3 81.4 122.2





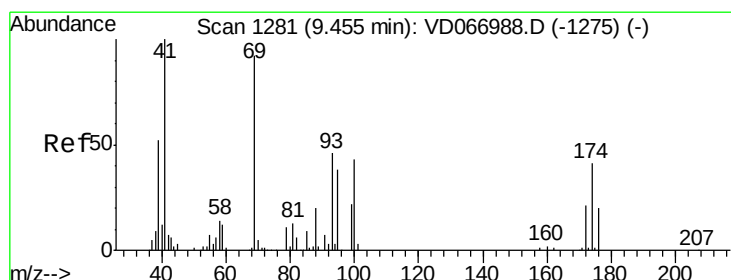
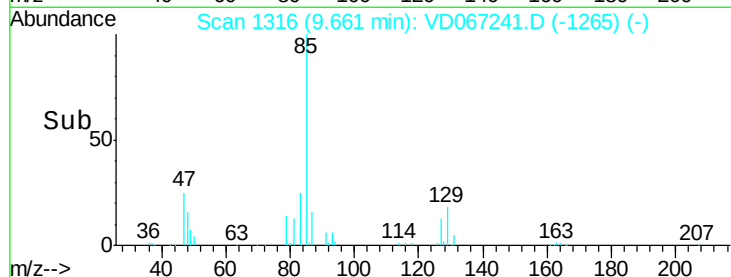
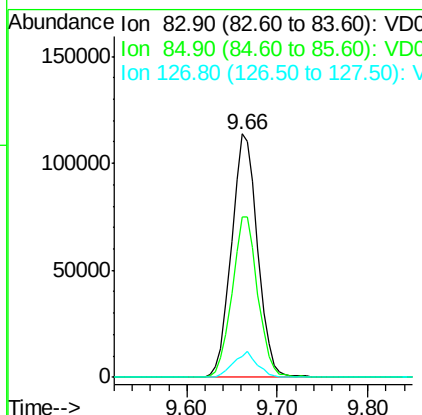
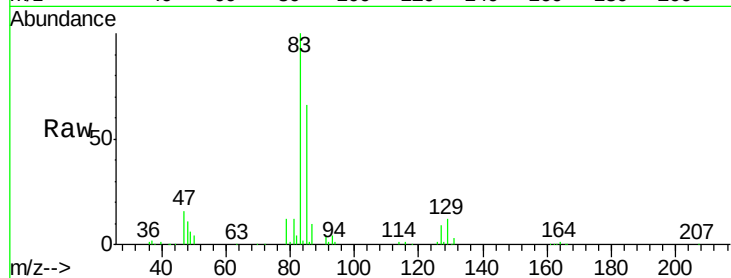
#47
Bromodichloromethane
Concen: 57.397 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	227884		
85	66.0	52.9	79.3	
127	8.6	7.3	10.9	

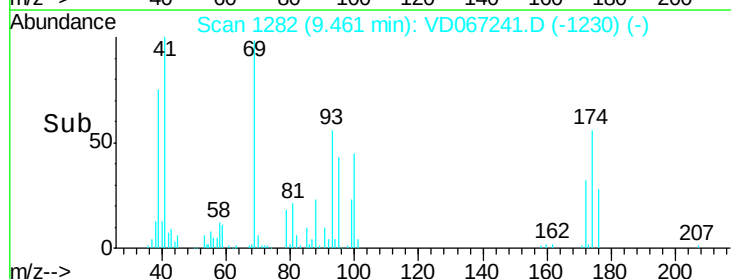
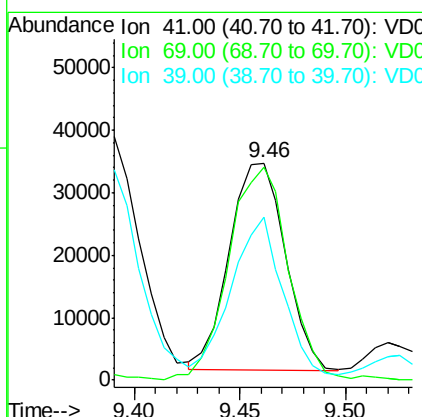
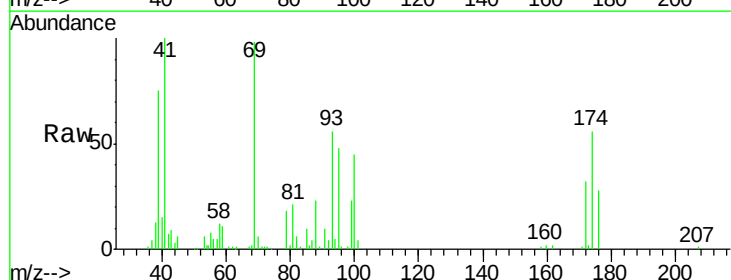
Manual Integrations
APPROVED

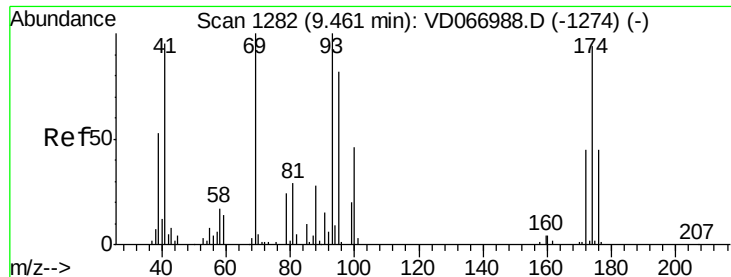
MMDadoda
10/13/2020 1:52:24 PM



#48
Methyl methacrylate
Concen: 45.749 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	60909		
69	110.4	68.5	102.7#	
39	74.7	40.2	60.2#	





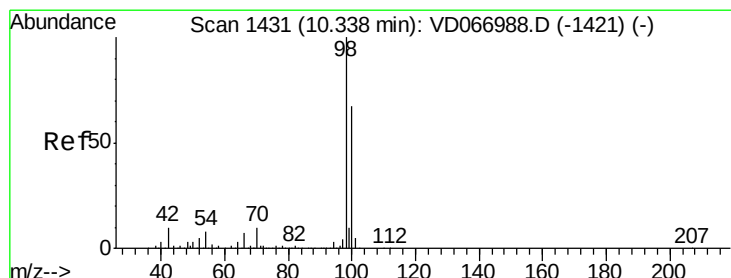
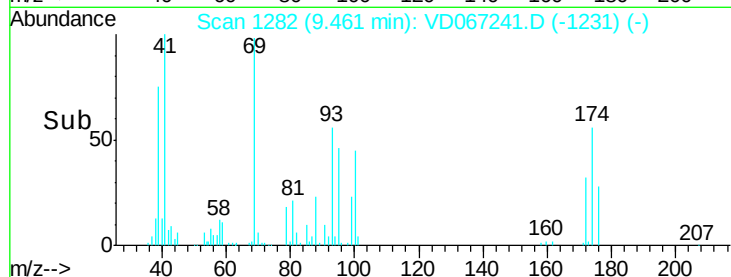
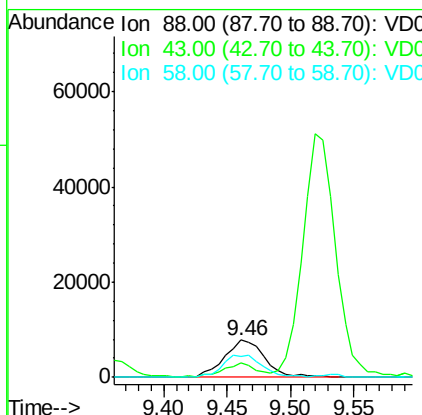
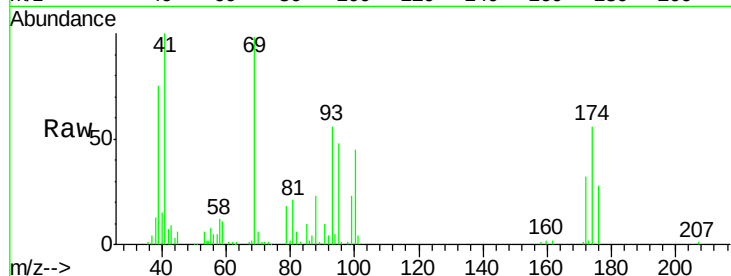
#49
1,4-Dioxane
Concen: 1072.834 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	17102
Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.6	38.4
58	60.4	53.5	80.3

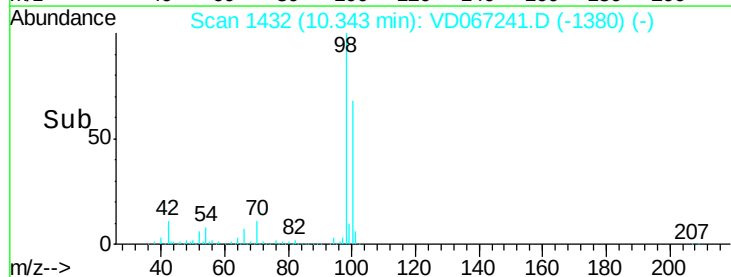
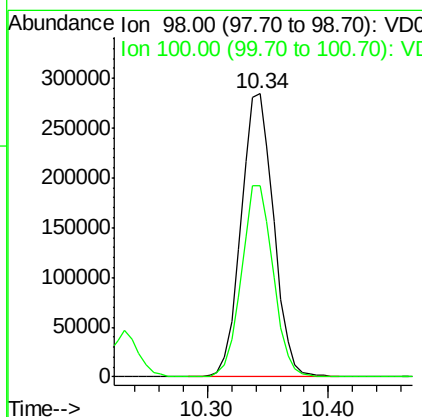
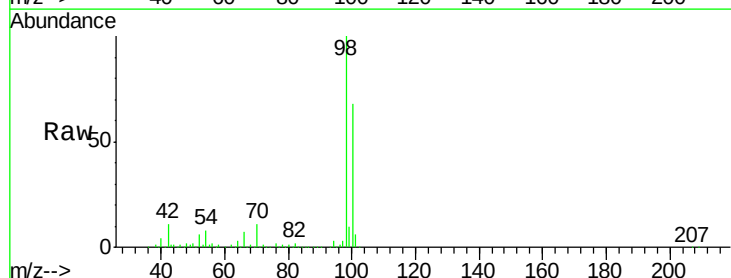
Manual Integrations
APPROVED

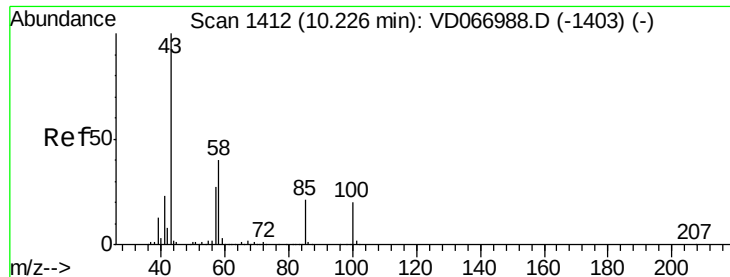
MMDadoda
10/13/2020 1:52:24 PM



#50
Toluene-d8
Concen: 51.418 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	98	Resp	535854
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2





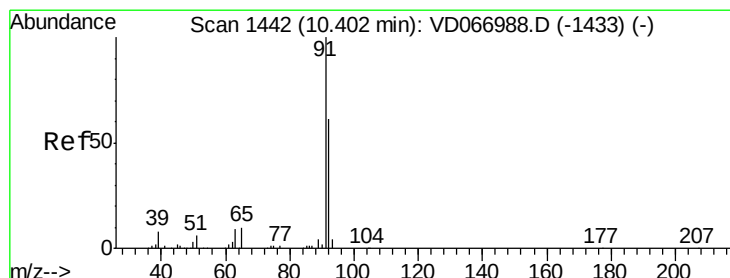
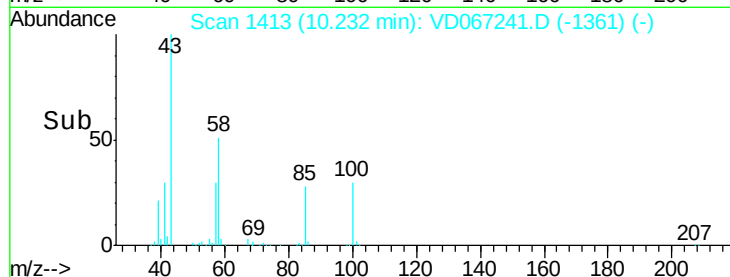
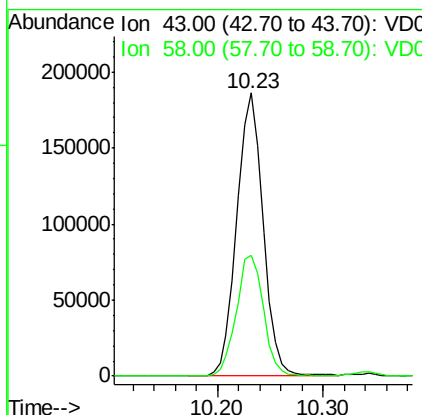
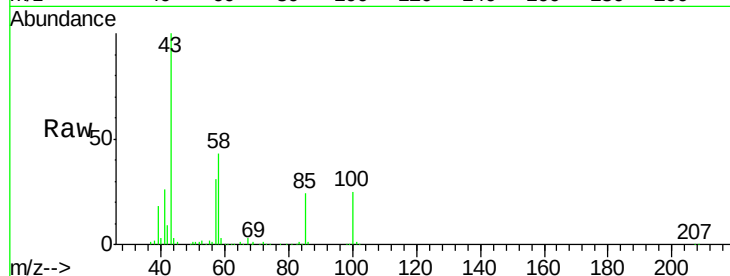
#51
4-Methyl-2-Pentanone
Concen: 248.795 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 322044
Ion Ratio Lower Upper
43 100
58 44.0 33.8 50.8

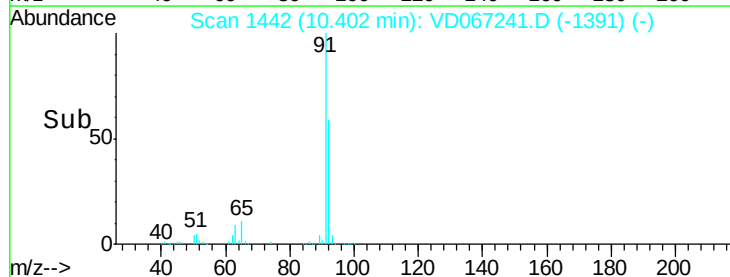
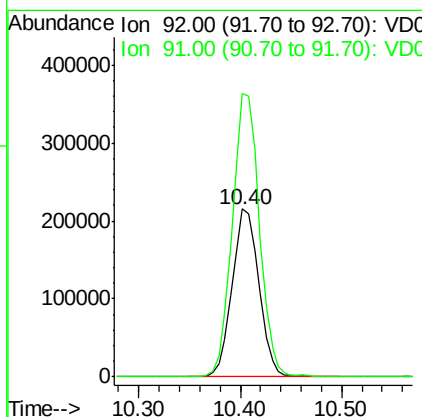
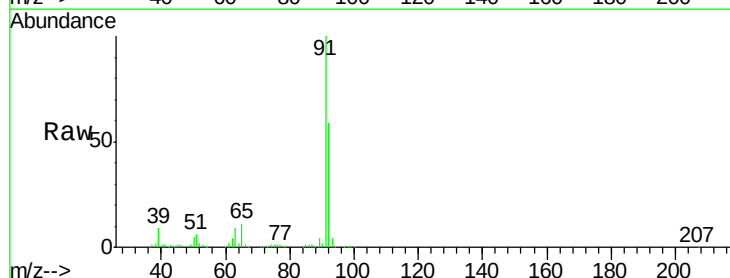
Manual Integrations
APPROVED

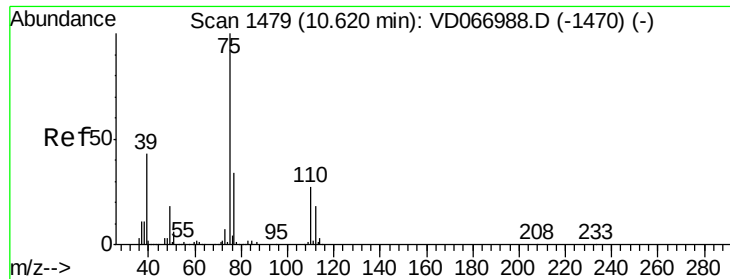
MMDadoda
10/13/2020 1:52:24 PM



#52
Toluene
Concen: 54.463 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 92 Resp: 396798
Ion Ratio Lower Upper
92 100
91 170.1 135.1 202.7





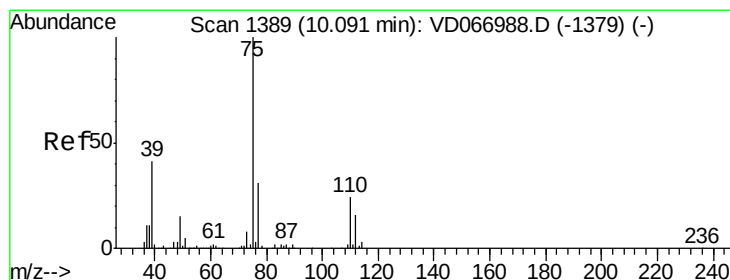
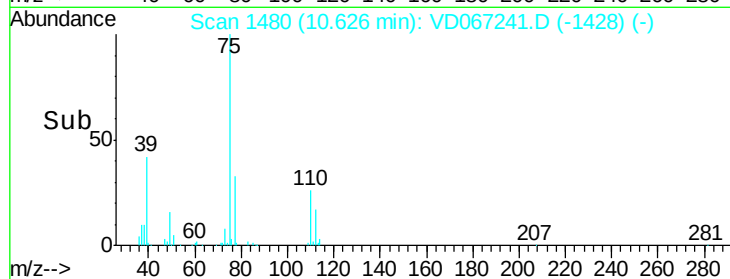
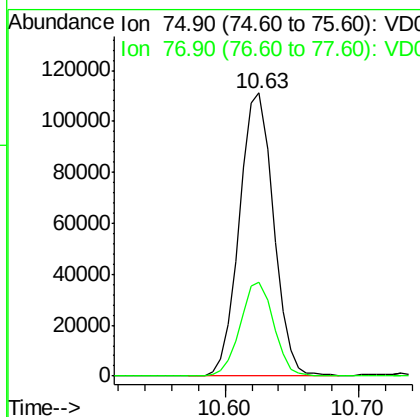
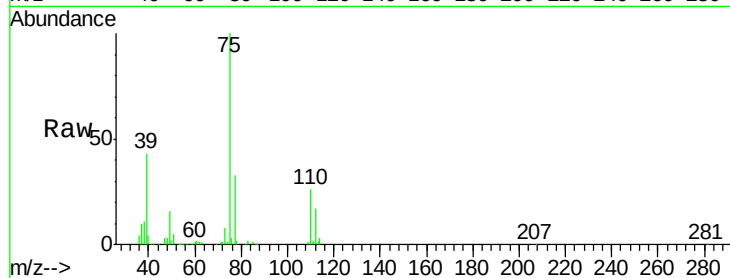
#53
t-1,3-Dichloropropene
Concen: 55.579 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	27.1	40.7

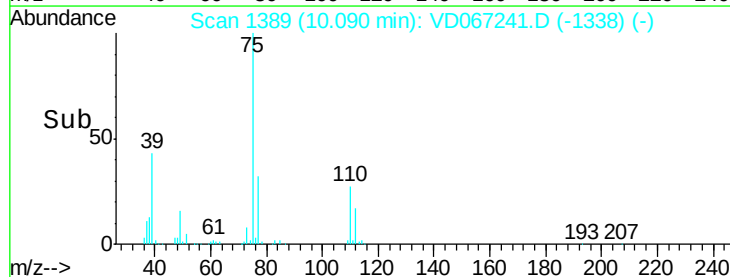
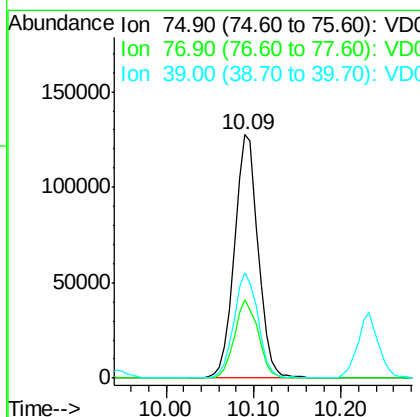
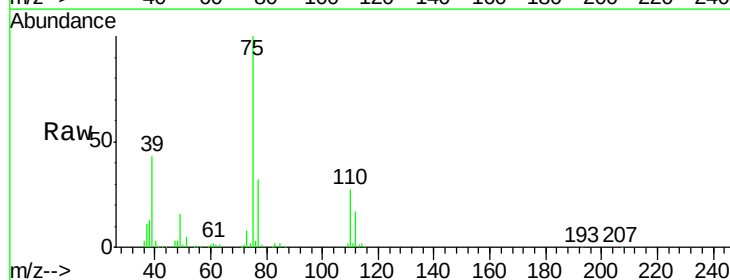
Manual Integrations
APPROVED

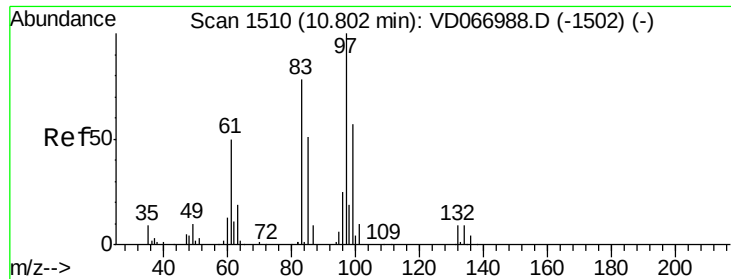
MMDadoda
10/13/2020 1:52:24 PM



#54
cis-1,3-Dichloropropene
Concen: 53.612 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.6	37.0
39	42.9	33.0	49.4





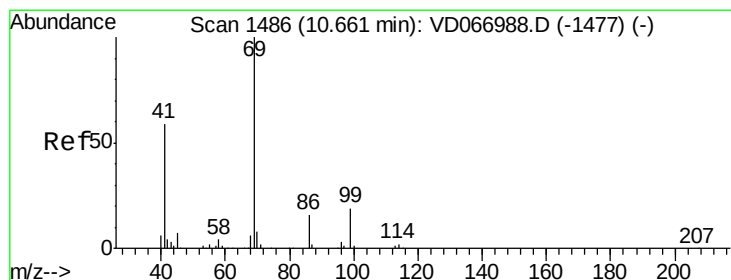
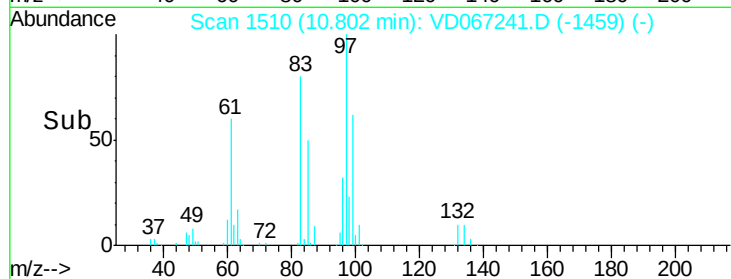
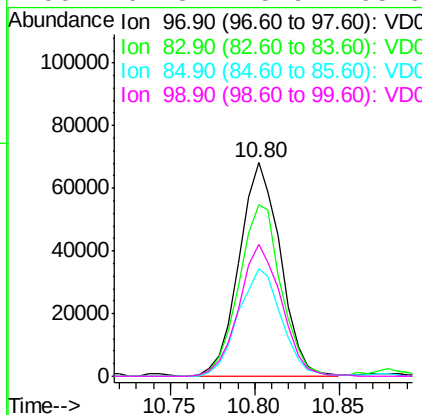
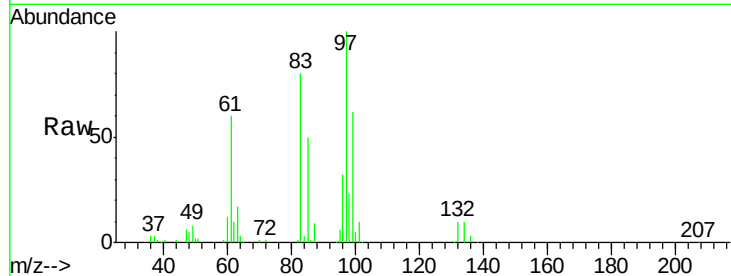
#55
 1,1,2-Trichloroethane
 Concen: 54.547 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	115831
Ion	Ratio	Lower	Upper
97	100		
83	80.2	62.4	93.6
85	50.3	41.0	61.4
99	61.3	45.9	68.9

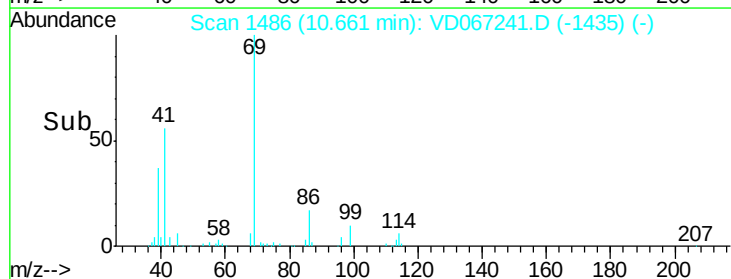
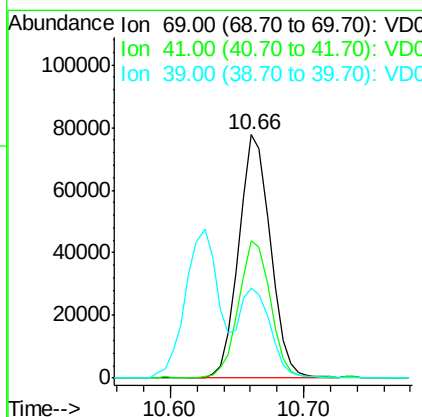
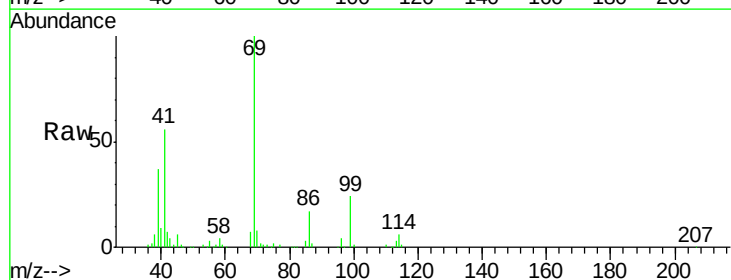
Manual Integrations
 APPROVED

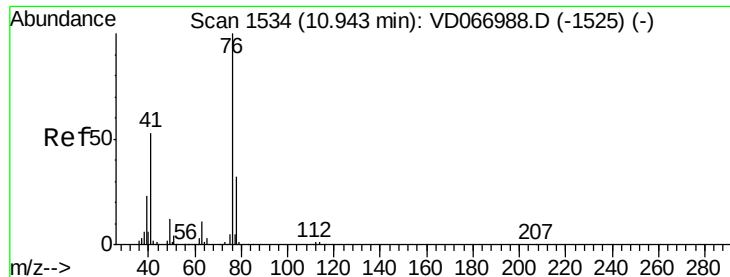
MMDadoda
 10/13/2020 1:52:24 PM



#56
 Ethyl methacrylate
 Concen: 58.309 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion:	69	Resp:	127837
Ion	Ratio	Lower	Upper
69	100		
41	56.1	46.4	69.6
39	37.6	23.8	35.6#





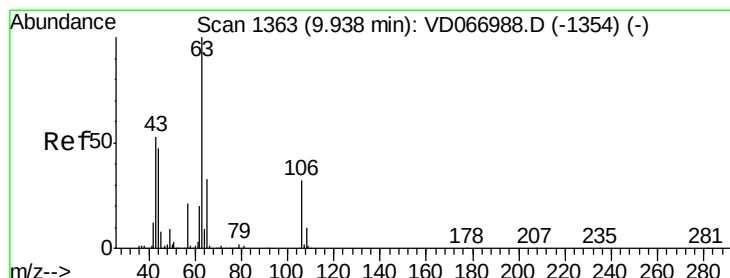
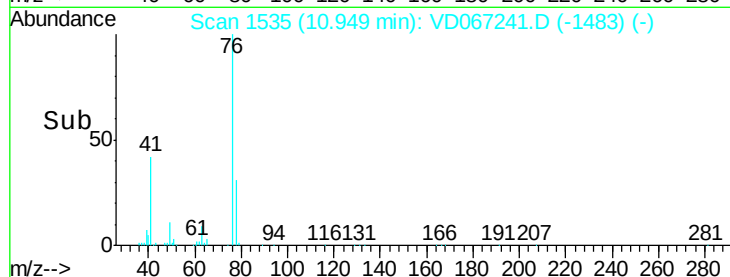
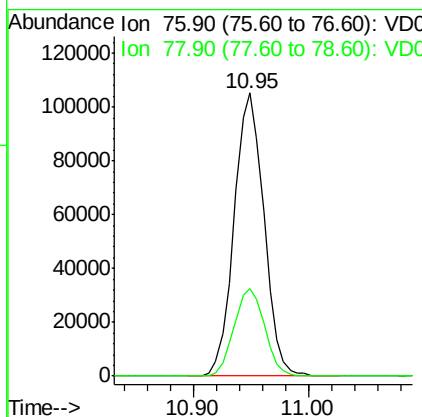
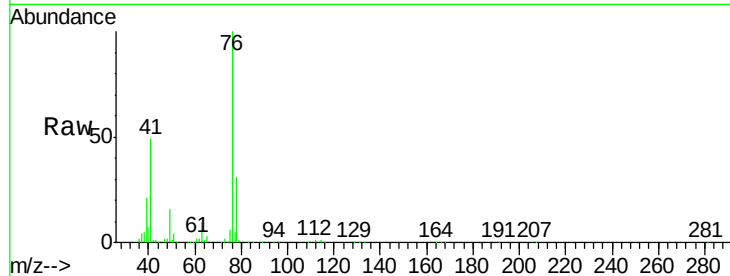
#57
 1,3-Dichloropropane
 Concen: 54.681 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

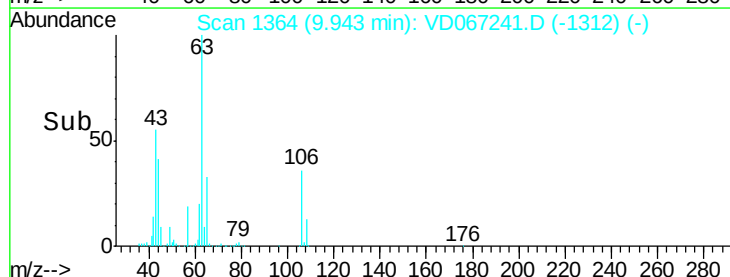
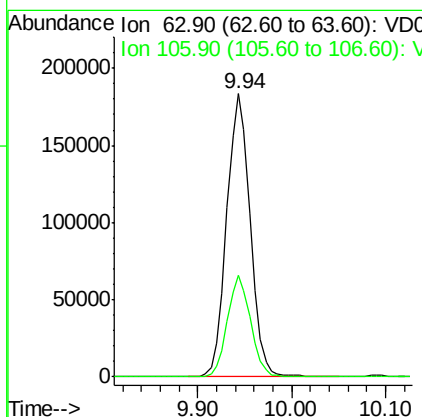
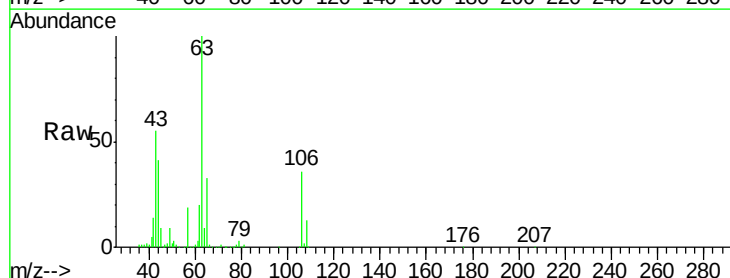
Manual Integrations
 APPROVED

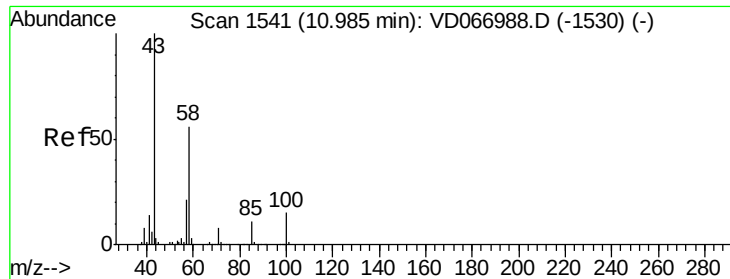
MMDadoda
 10/13/2020 1:52:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.422 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.4	25.3	37.9





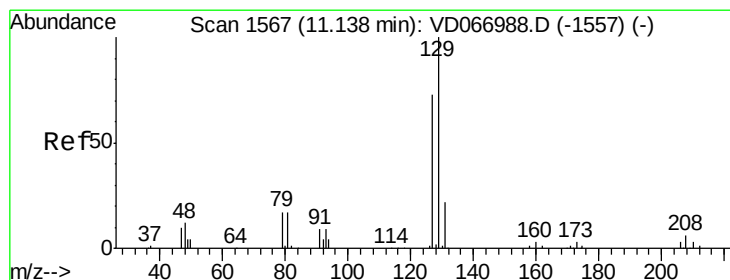
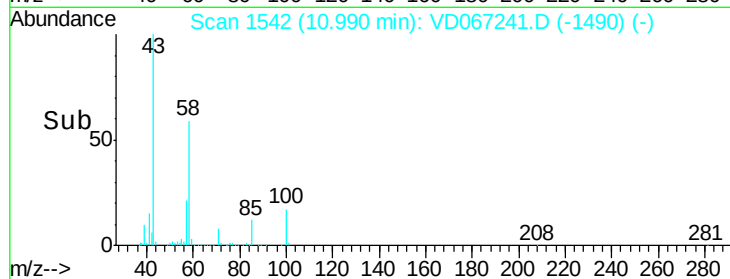
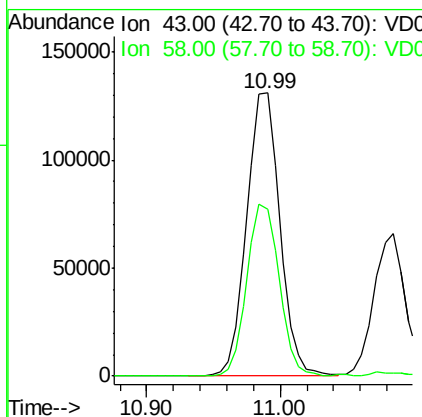
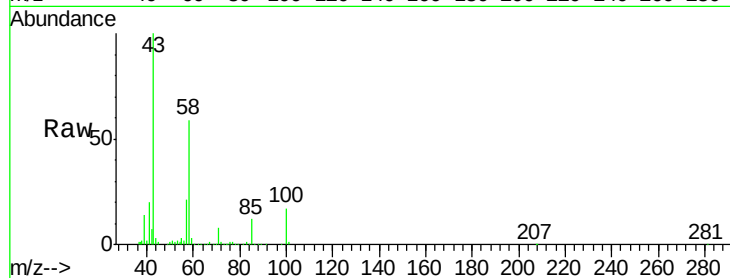
#59
2-Hexanone
Concen: 261.162 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 225630
Ion Ratio Lower Upper
43 100
58 59.2 28.3 84.9

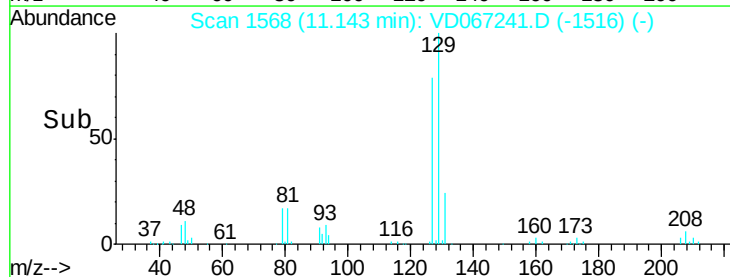
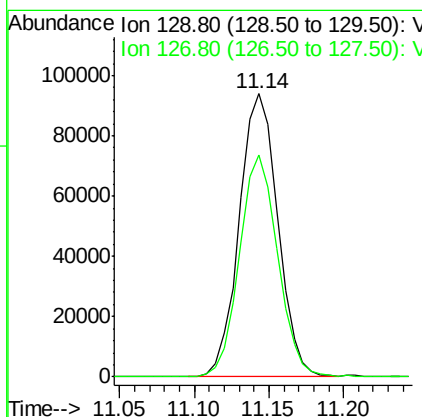
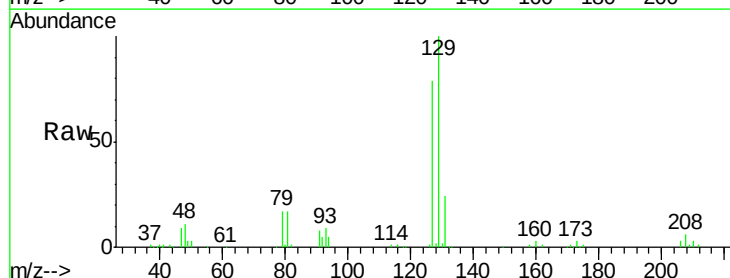
Manual Integrations
APPROVED

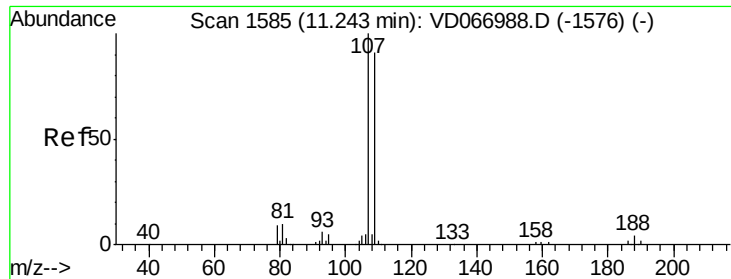
MMDadoda
10/13/2020 1:52:24 PM



#60
Dibromochloromethane
Concen: 59.495 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 129 Resp: 168389
Ion Ratio Lower Upper
129 100
127 77.8 37.4 112.1





#61

1,2-Dibromoethane

Concen: 56.515 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 115296

Ion Ratio Lower Upper

107 100

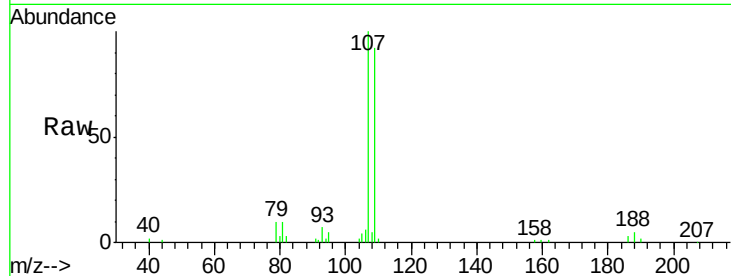
109 93.8 74.0 111.0

Manual Integrations

APPROVED

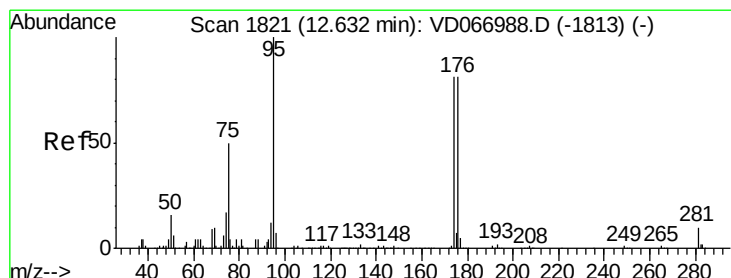
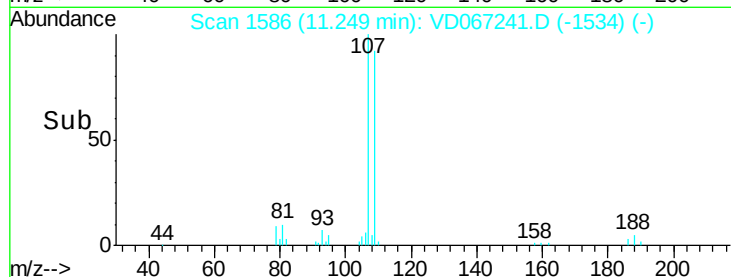
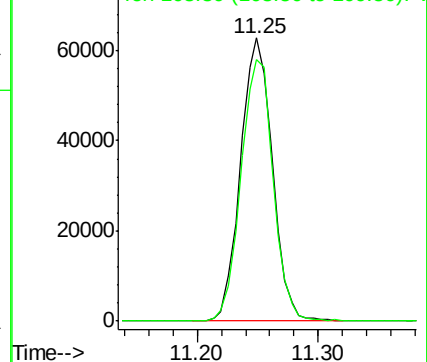
MMDadoda

10/13/2020 1:52:24 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.521 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

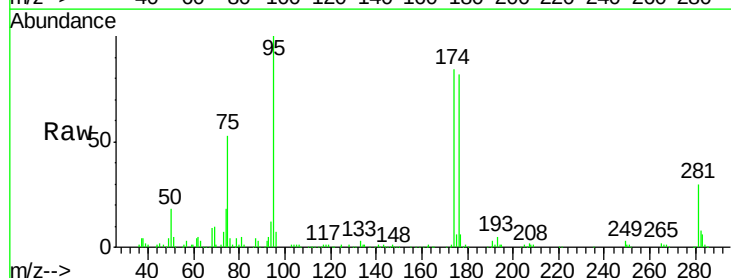
Tgt Ion: 95 Resp: 192887

Ion Ratio Lower Upper

95 100

174 86.9 0.0 167.6

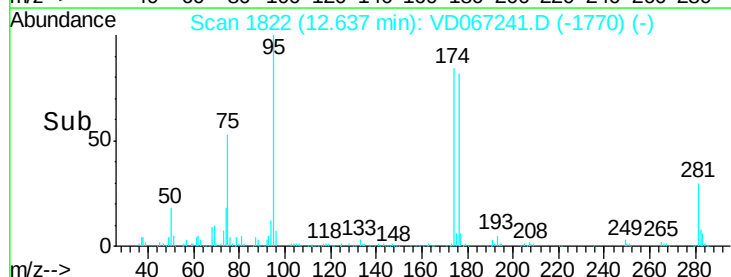
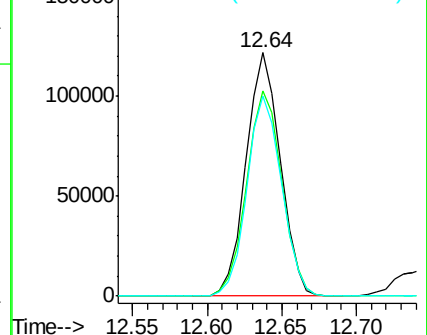
176 83.1 0.0 162.4

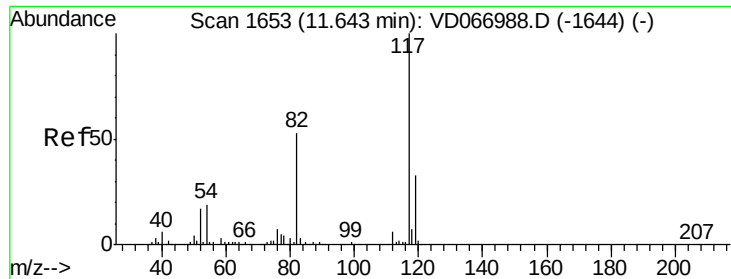


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





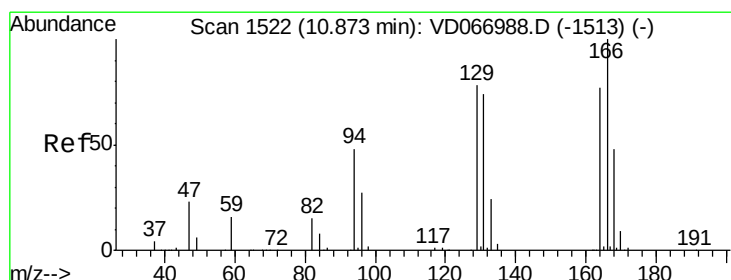
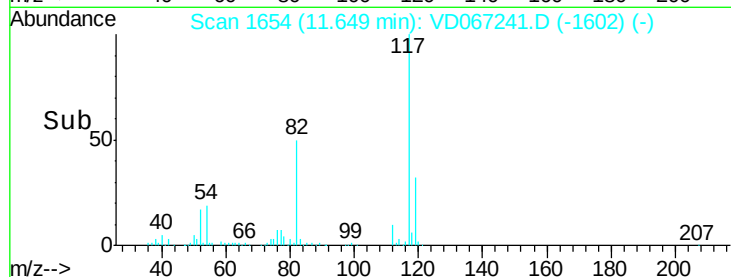
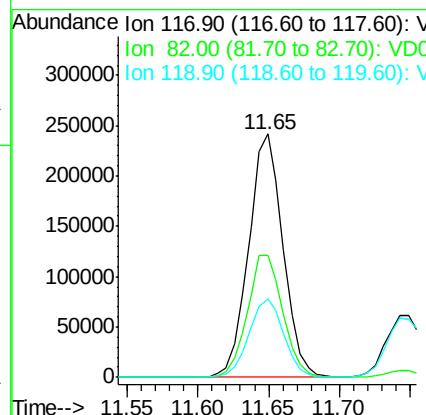
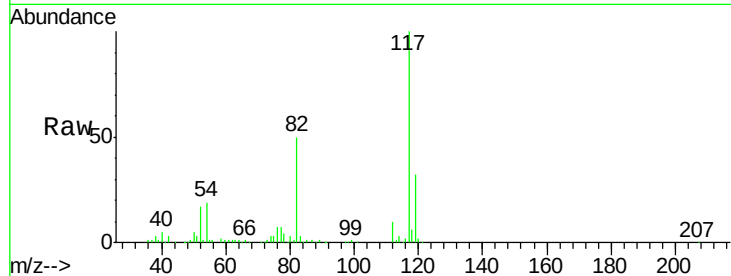
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.6	63.8
119	32.5	26.3	39.5

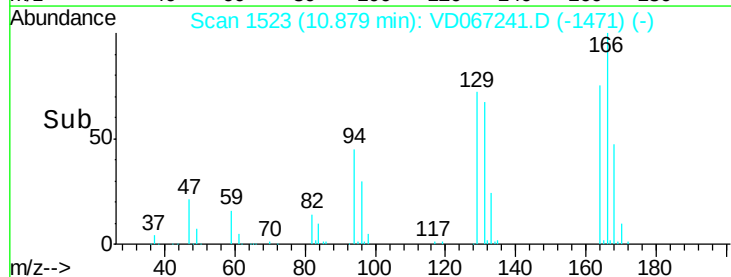
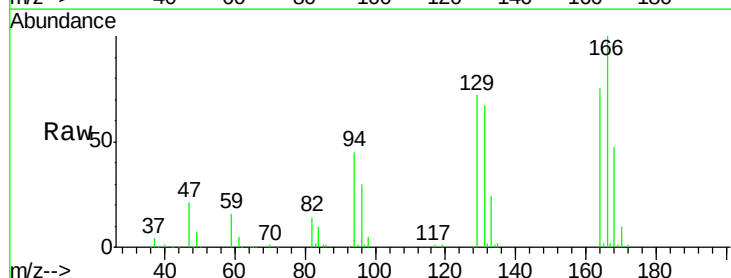
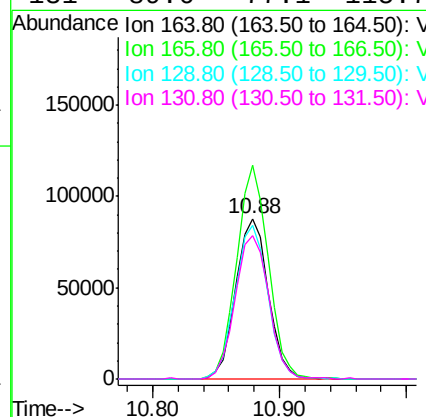
Manual Integrations
APPROVED

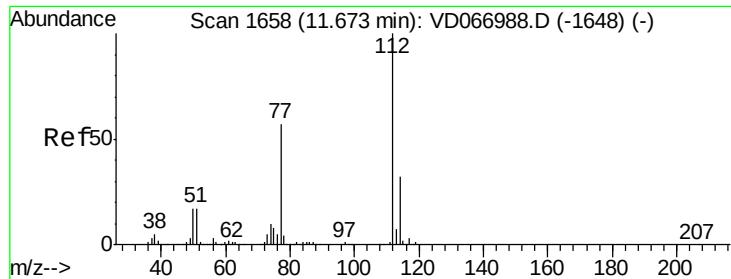
MMDadoda
10/13/2020 1:52:24 PM



#64
Tetrachloroethene
Concen: 52.176 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	104.4	156.6
129	95.9	81.3	121.9
131	89.6	77.1	115.7





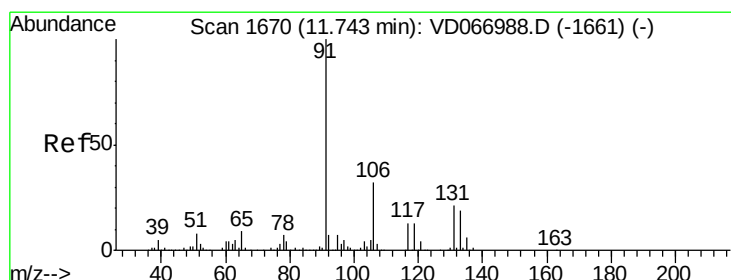
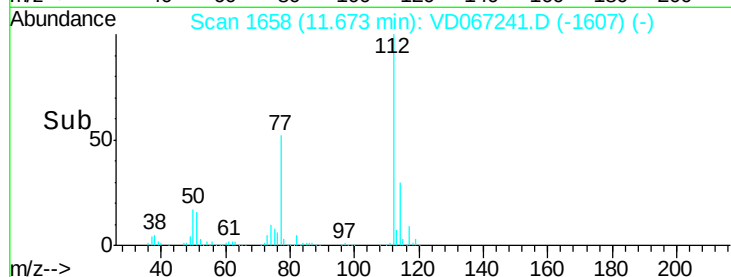
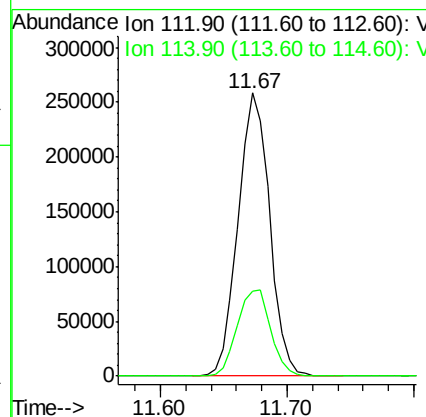
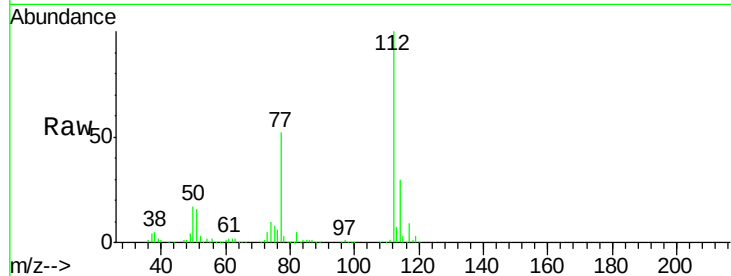
#65
Chlorobenzene
Concen: 54.458 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 446060
Ion Ratio Lower Upper
112 100
114 29.8 25.4 38.0

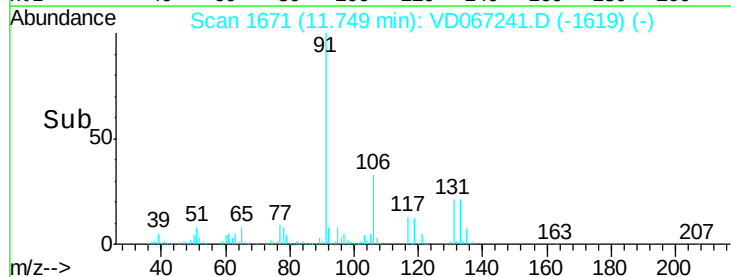
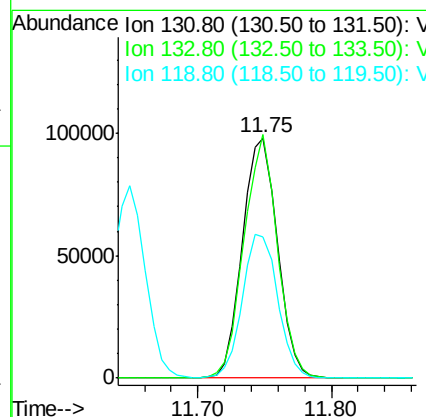
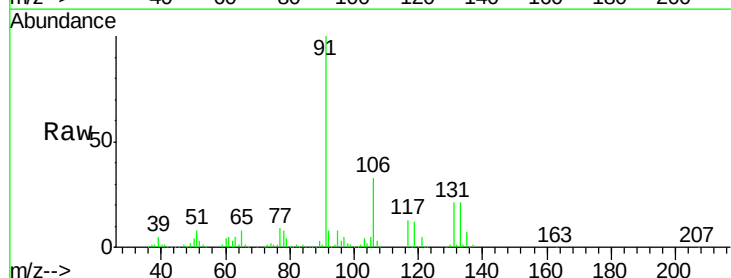
Manual Integrations
APPROVED

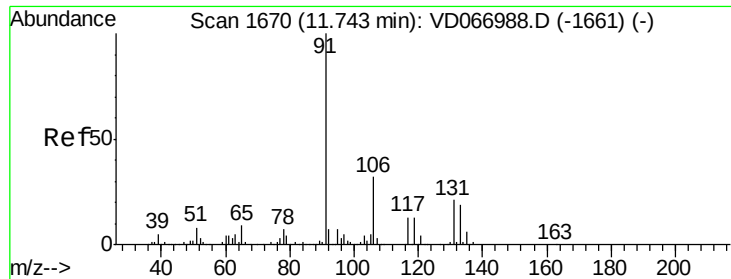
MMDadoda
10/13/2020 1:52:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.157 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion:131 Resp: 178086
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 60.7 32.3 96.8





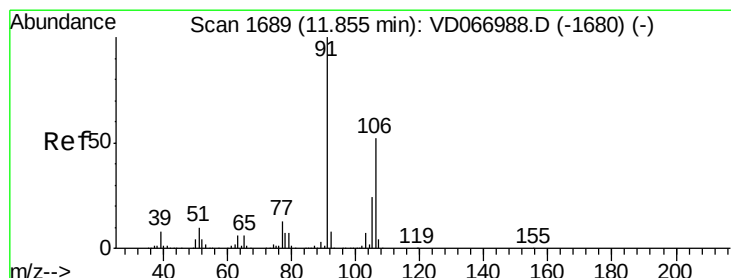
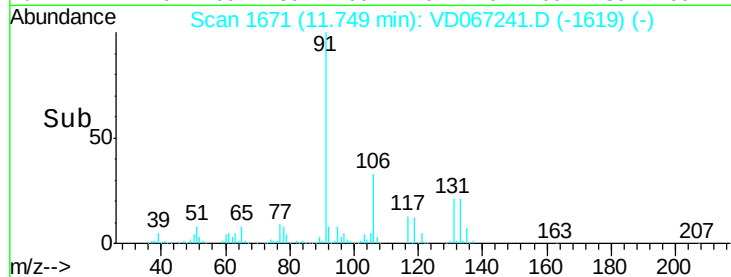
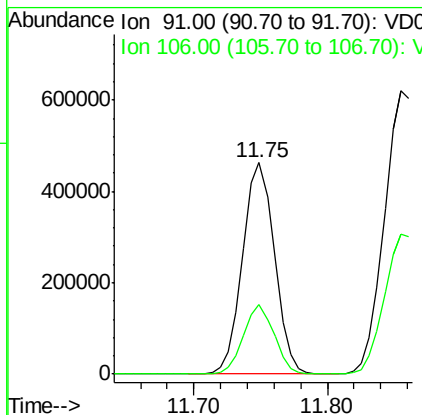
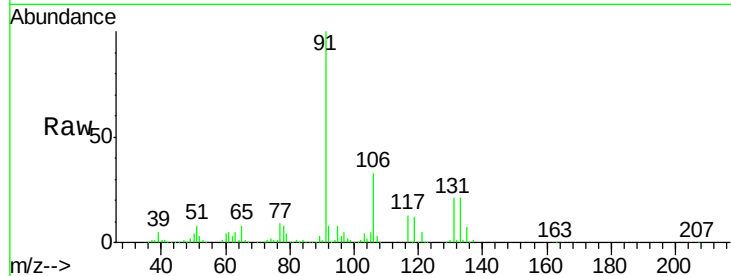
#67
Ethyl Benzene
Concen: 54.520 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 765159
Ion Ratio Lower Upper
91 100
106 32.9 25.4 38.2

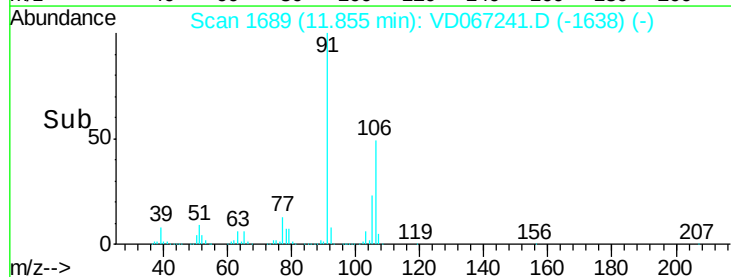
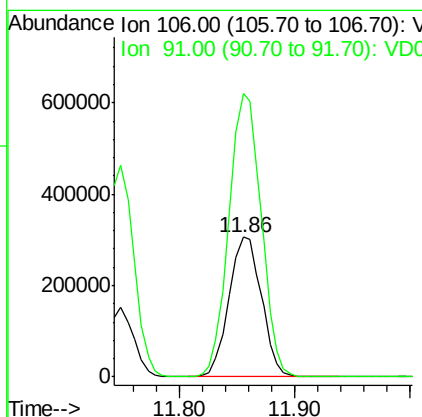
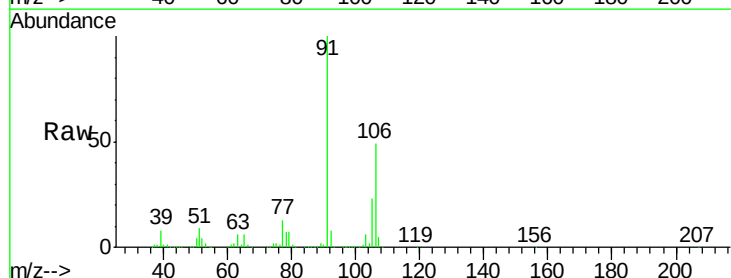
Manual Integrations
APPROVED

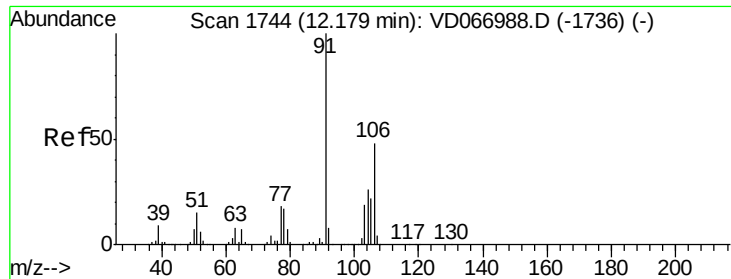
MMDadoda
10/13/2020 1:52:24 PM



#68
m/p-Xylenes
Concen: 109.061 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 106 Resp: 596495
Ion Ratio Lower Upper
106 100
91 201.5 158.4 237.6





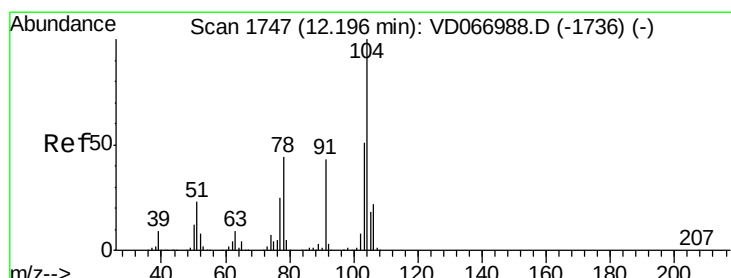
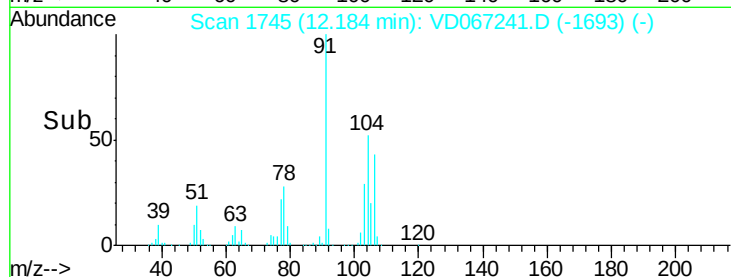
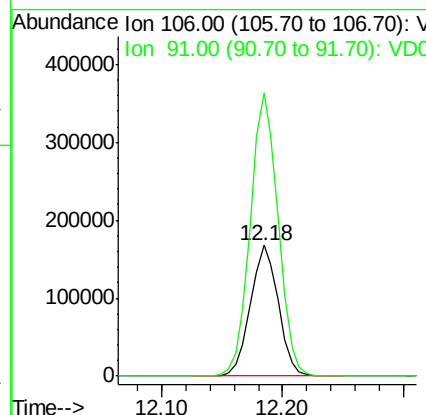
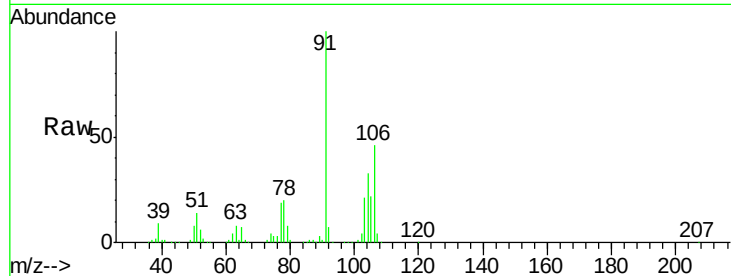
#69
o-Xylene
Concen: 55.177 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		269873		
91	216.6	102.4	307.2		

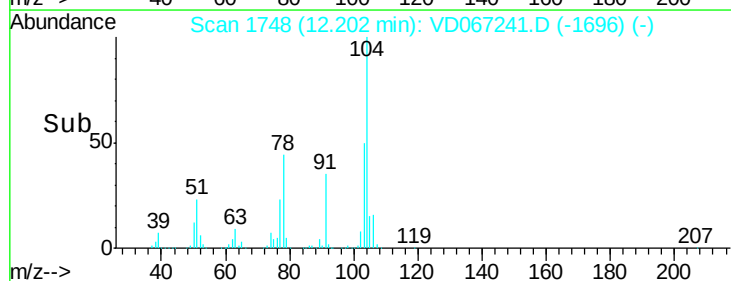
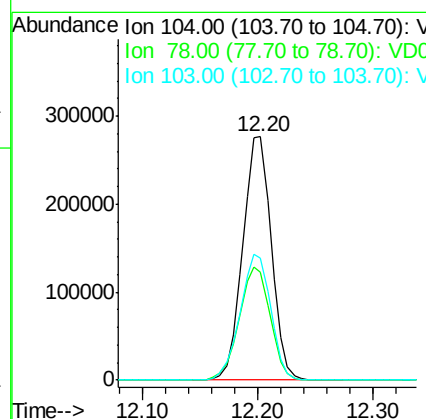
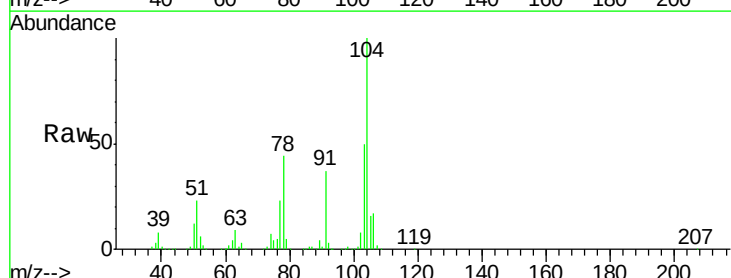
Manual Integrations
APPROVED

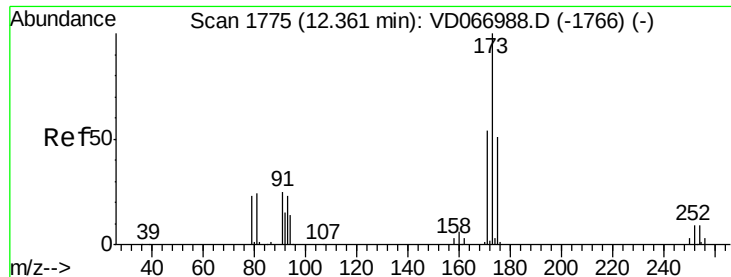
MMDadoda
10/13/2020 1:52:24 PM



#70
Styrene
Concen: 56.507 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		474580		
78	50.6	38.6	58.0		
103	55.5	43.4	65.0		





#71

Bromoform

Concen: 59.218 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 95774

Ion Ratio Lower Upper

173 100

175 46.8 24.9 74.7

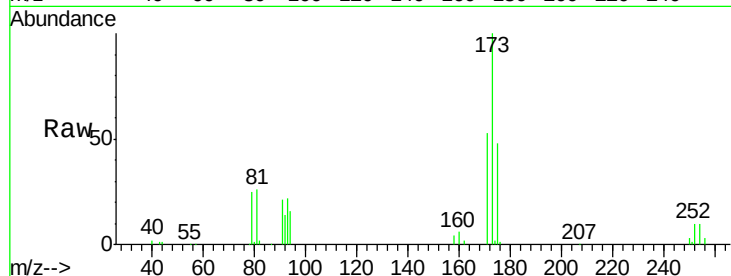
254 0.0 0.2 0.4#

Manual Integrations

APPROVED

MMDadoda

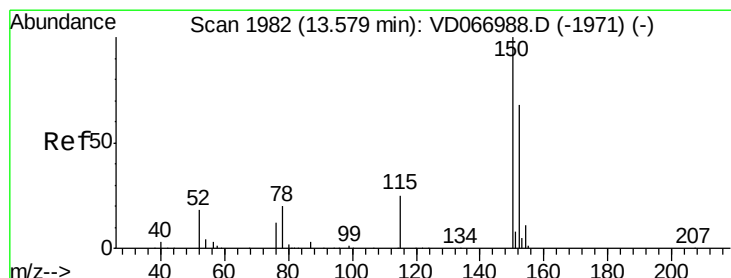
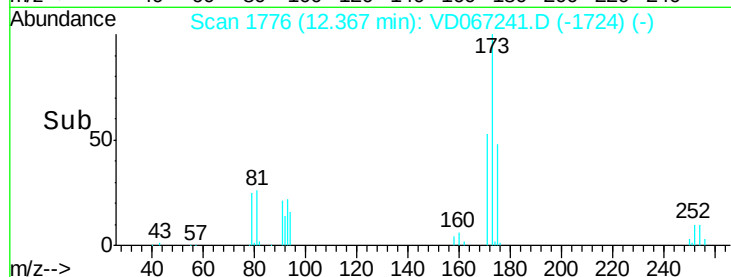
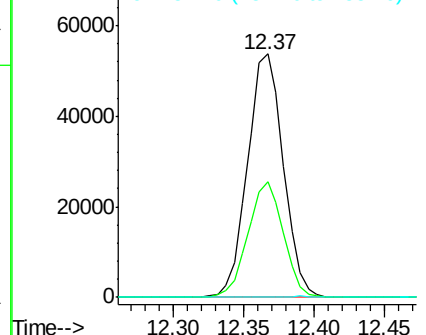
10/13/2020 1:52:24 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

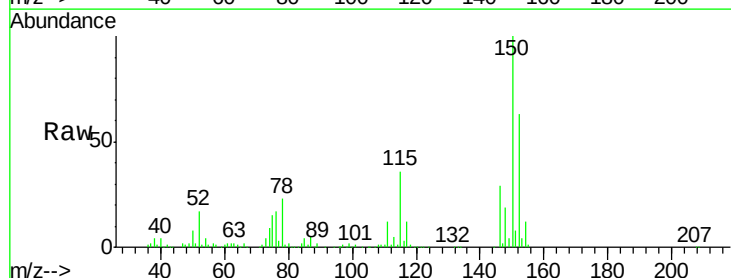
Tgt Ion:152 Resp: 206920

Ion Ratio Lower Upper

152 100

115 60.2 29.6 88.8

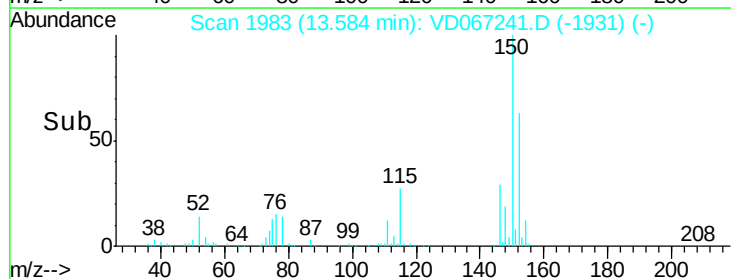
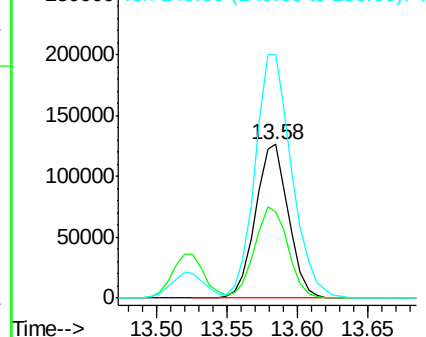
150 176.4 0.0 344.8

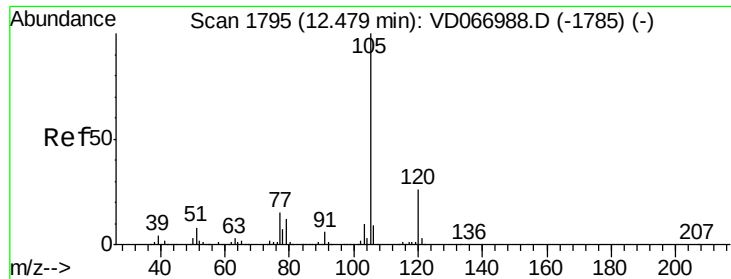


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.157 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 760910

Ion Ratio Lower Upper

105 100

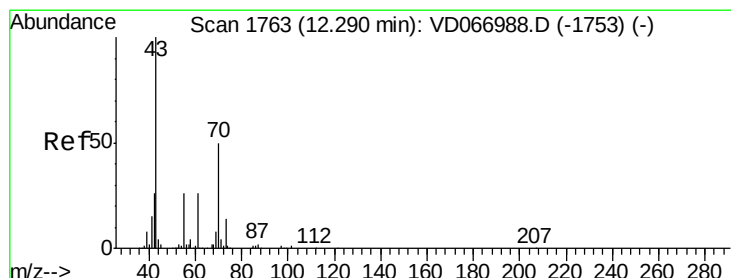
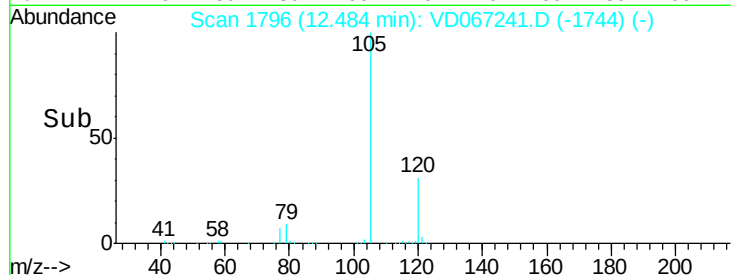
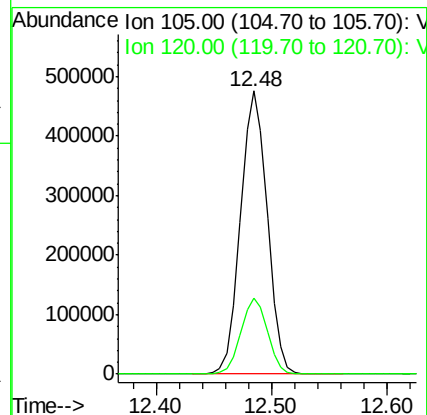
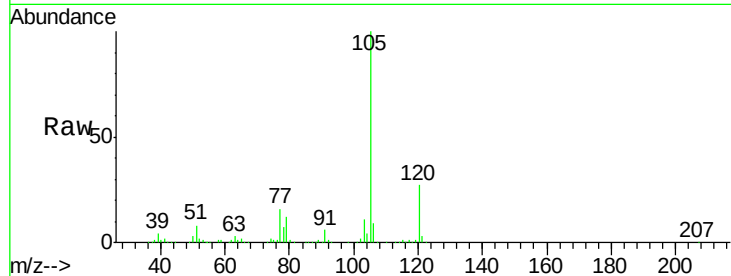
120 26.7 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

10/13/2020 1:52:24 PM



#74

N-ethyl acetate

Concen: 46.868 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Tgt Ion: 43 Resp: 118378

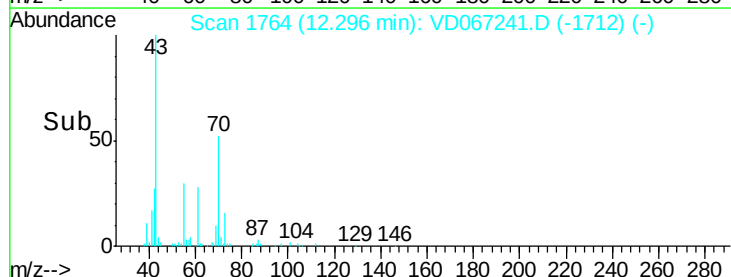
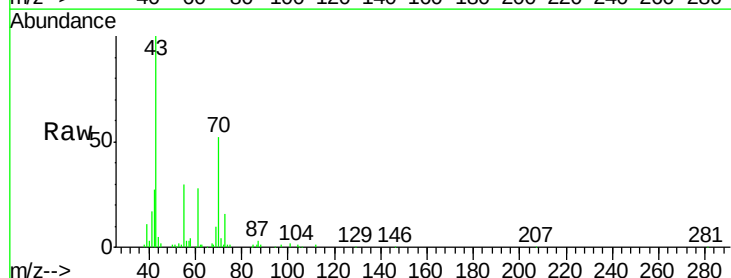
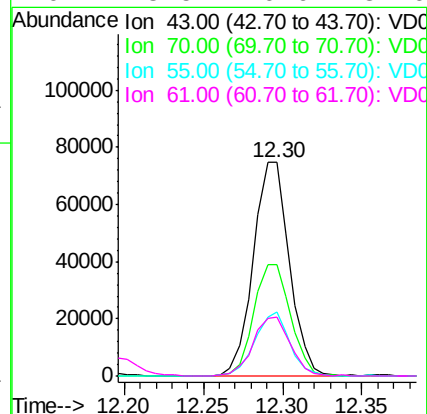
Ion Ratio Lower Upper

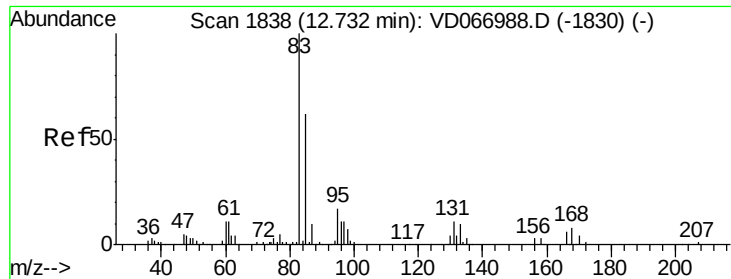
43 100

70 53.2 38.2 57.2

55 29.0 22.4 33.6

61 28.5 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.389 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

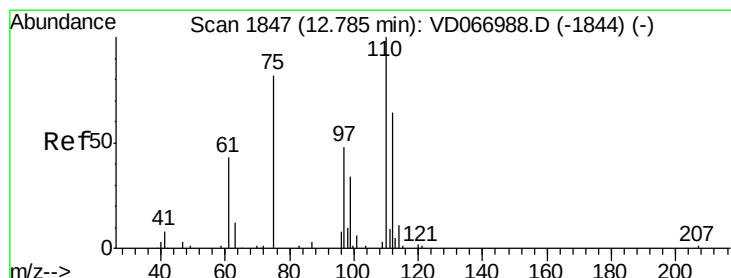
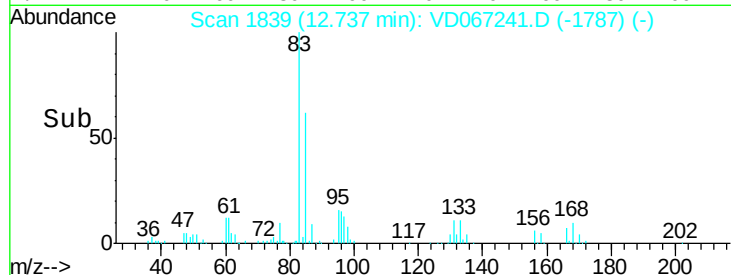
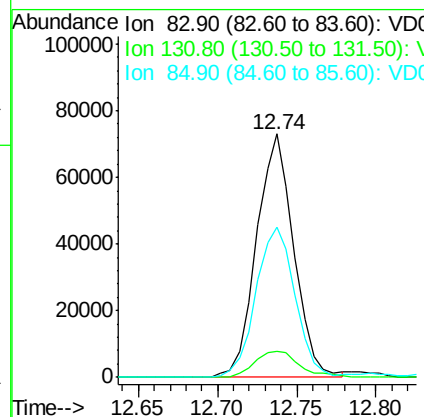
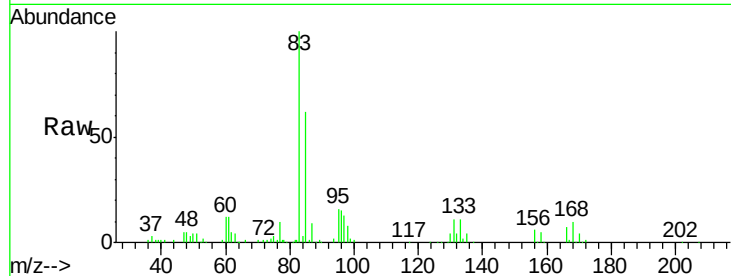
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	119283
Ion Ratio	Lower	Upper	
83	100		
131	13.0	5.7	17.0
85	64.8	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
10/13/2020 1:52:24 PM



#76

1,2,3-Trichloropropane

Concen: 39.854 ug/l m

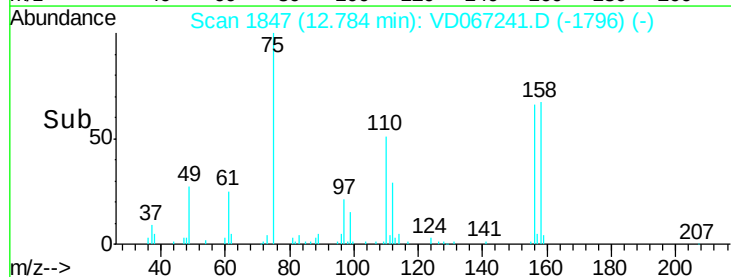
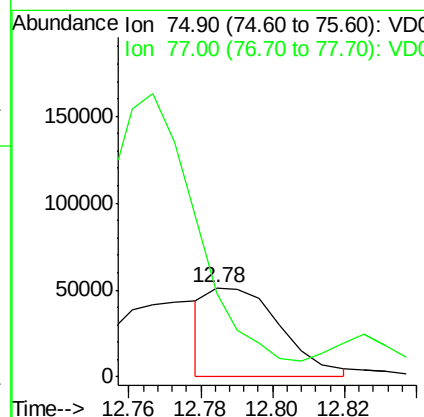
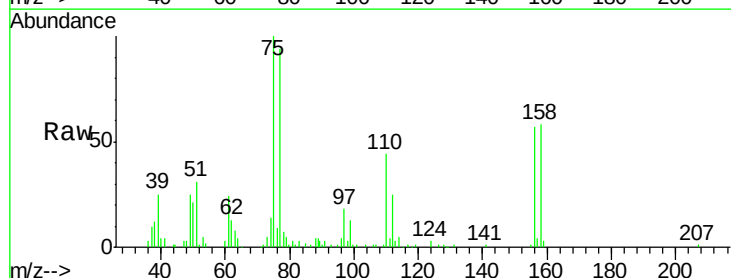
RT: 12.78 min Scan# 1847

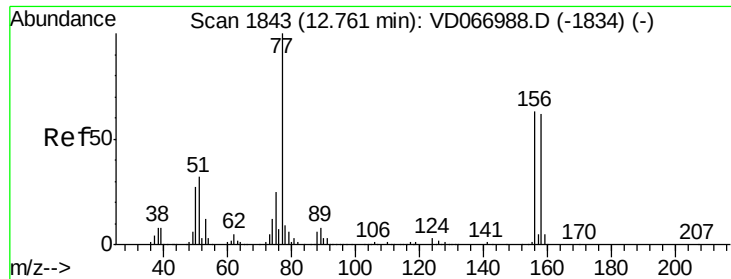
Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Tgt Ion:	75	Resp:	71830
Ion Ratio	Lower	Upper	
75	100		
77	419.5	0.0	0.0#





#77

Bromobenzene

Concen: 55.876 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

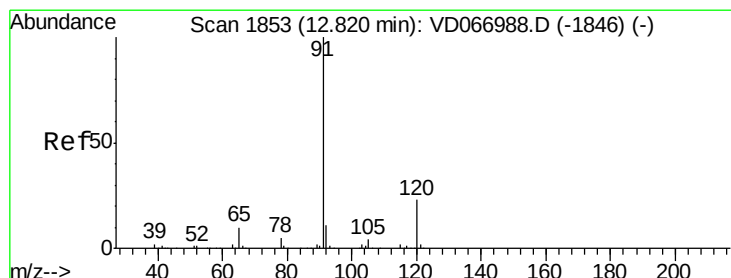
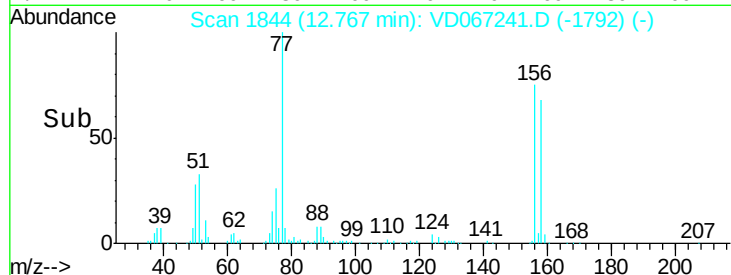
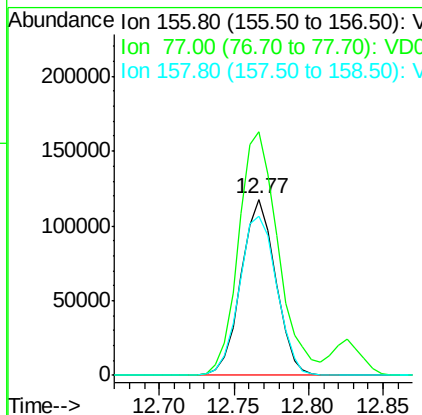
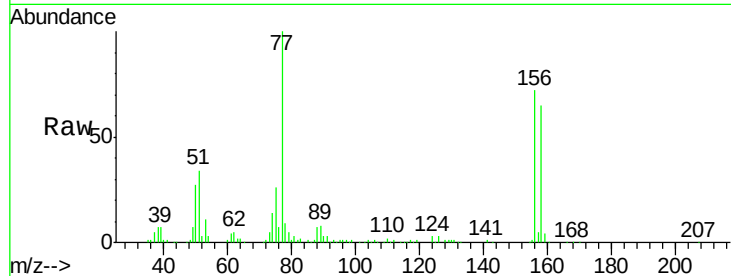
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	189564
Ion Ratio	Lower	Upper	
156	100		
77	159.0	86.3	258.8
158	97.6	49.5	148.3

Manual Integrations
APPROVED

MMDadoda
10/13/2020 1:52:24 PM



#78

n-propylbenzene

Concen: 52.194 ug/l

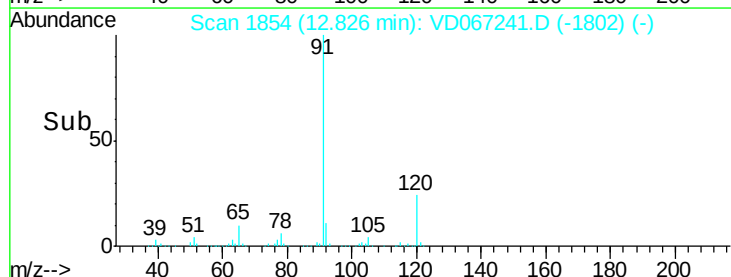
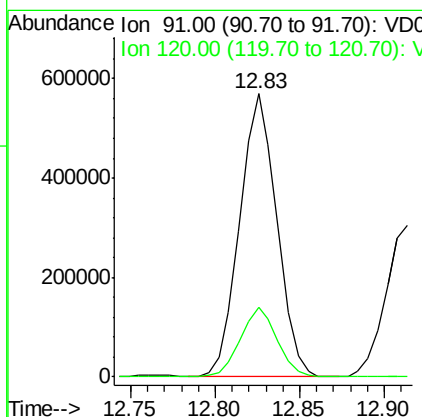
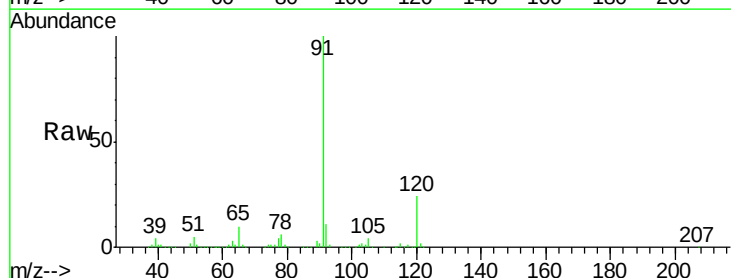
RT: 12.83 min Scan# 1854

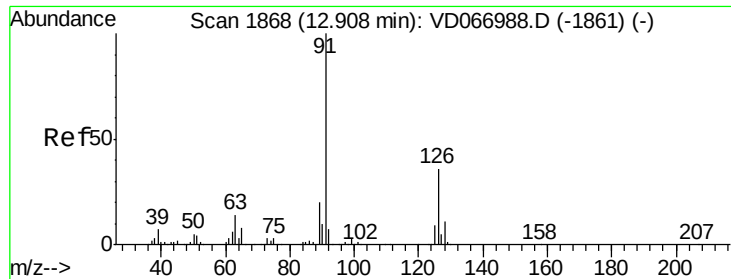
Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Tgt Ion:	91	Resp:	866676
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.6	34.8





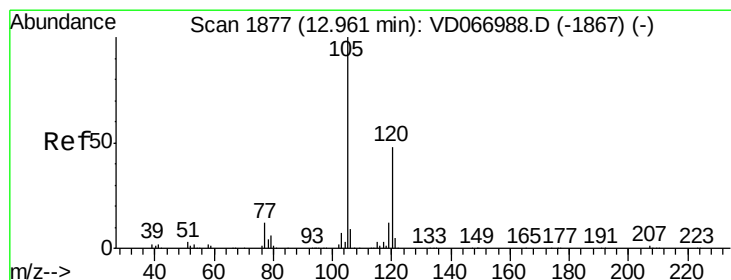
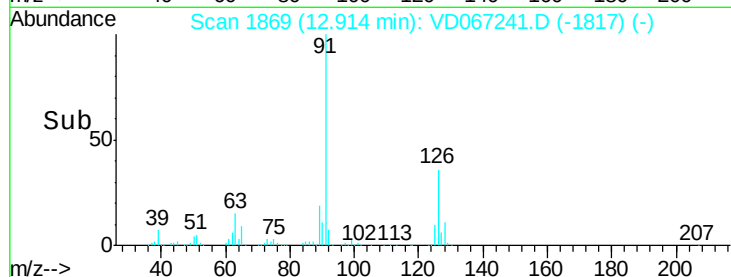
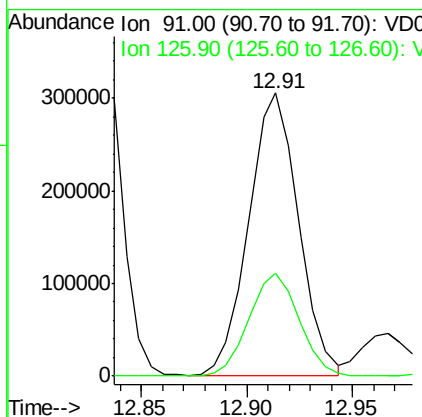
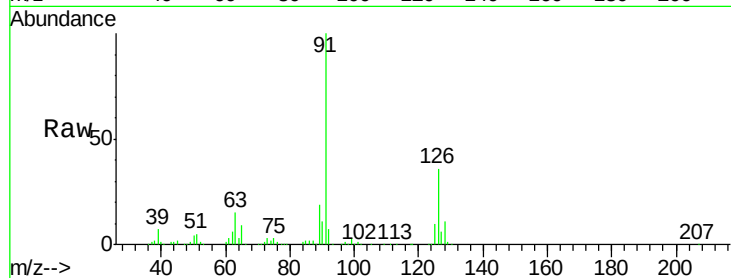
#79
2-Chlorotoluene
Concen: 52.706 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 500727
Ion Ratio Lower Upper
91 100
126 36.7 17.5 52.6

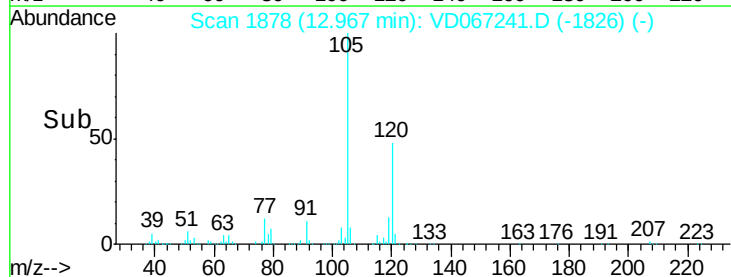
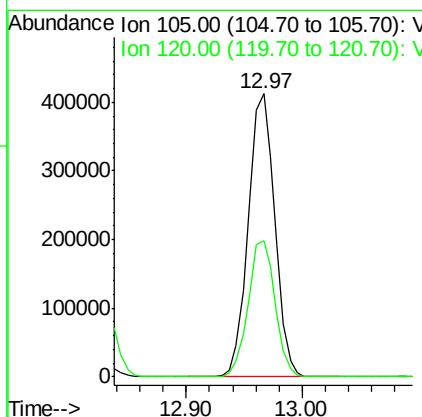
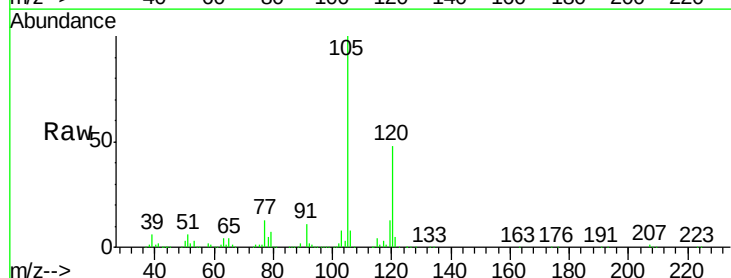
Manual Integrations
APPROVED

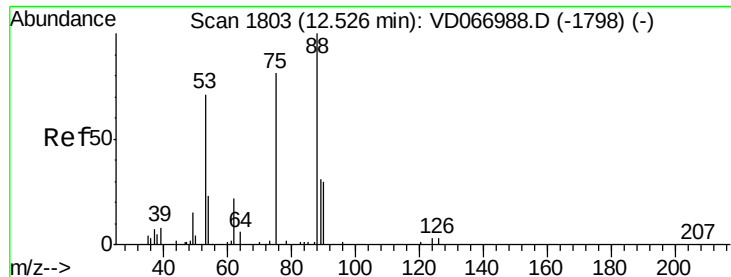
MMDadoda
10/13/2020 1:52:24 PM



#80
1,3,5-Trimethylbenzene
Concen: 55.506 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 105 Resp: 658902
Ion Ratio Lower Upper
105 100
120 48.8 24.6 74.0





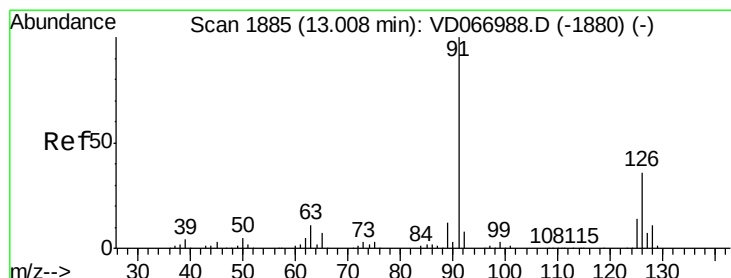
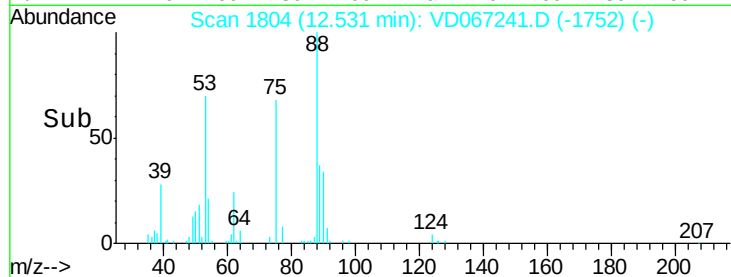
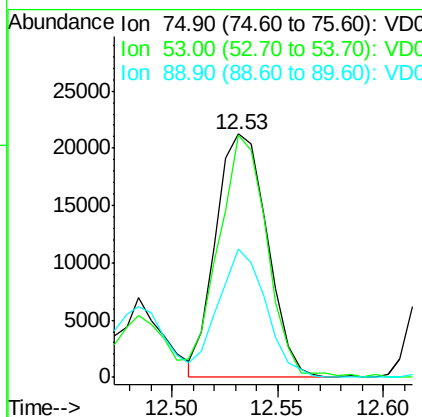
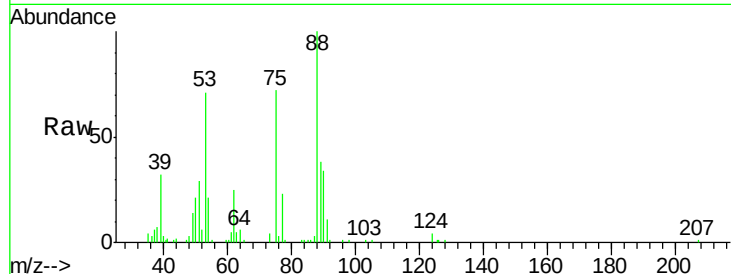
#81
trans-1,4-Dichloro-2-butene
Concen: 49.556 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.7	73.8	110.6
89	49.0	38.9	58.3

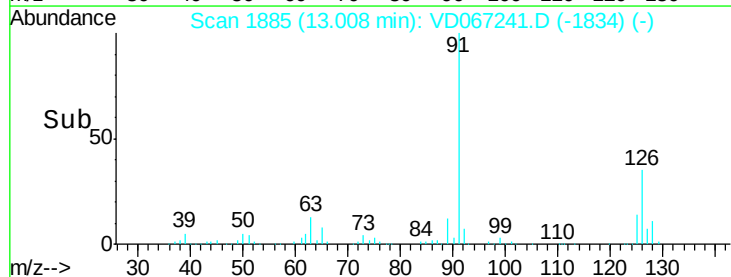
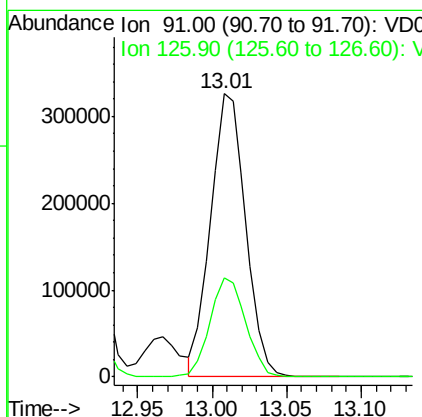
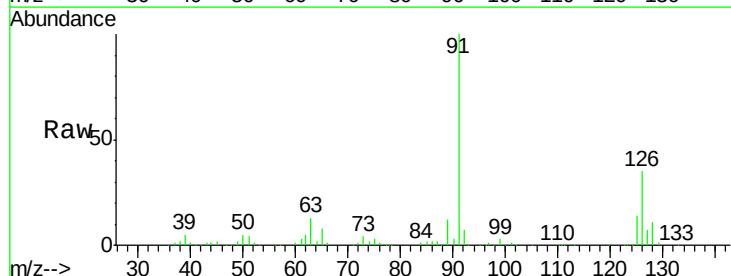
Manual Integrations
APPROVED

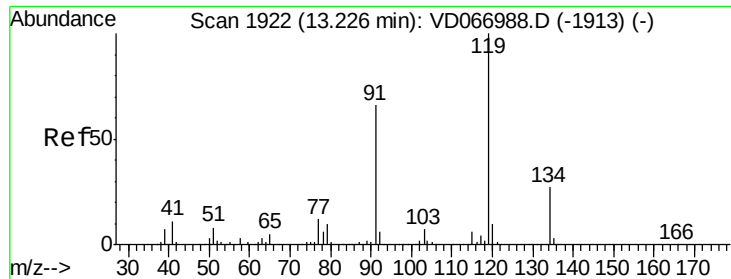
MMDadoda
10/13/2020 1:52:24 PM



#82
4-Chlorotoluene
Concen: 52.844 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.5





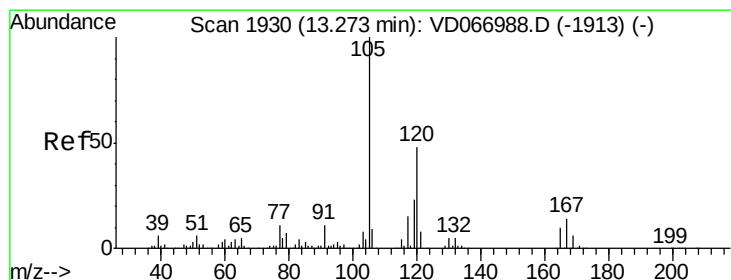
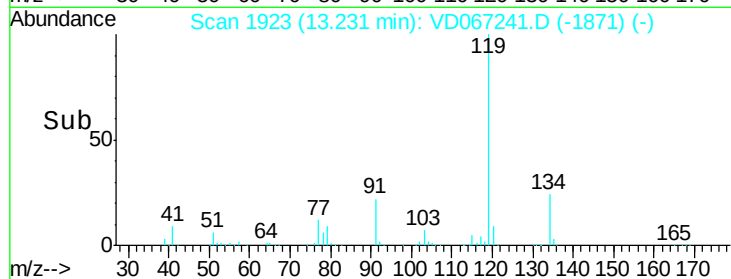
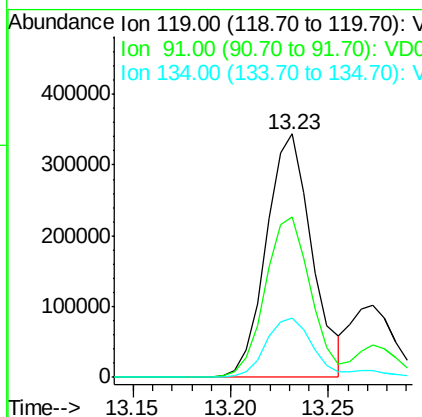
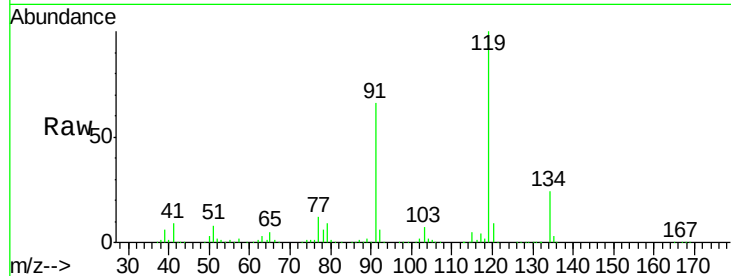
#83
 tert-Butylbenzene
 Concen: 55.845 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	558248		
91	65.4	32.8	98.3	
134	24.9	13.9	41.7	

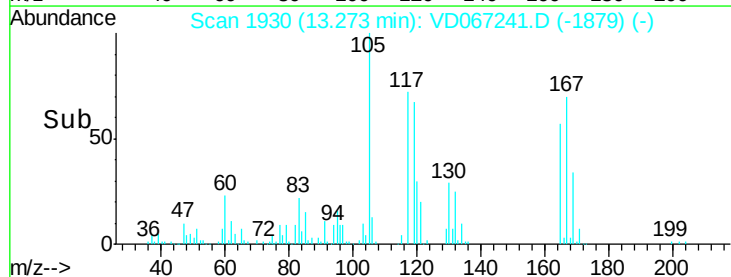
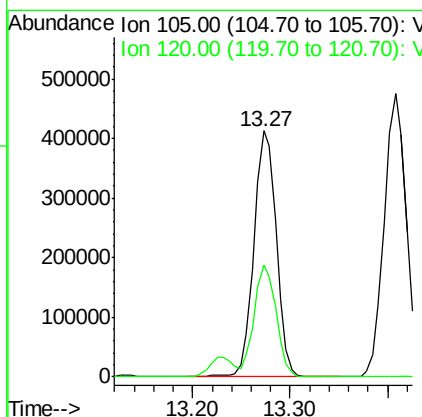
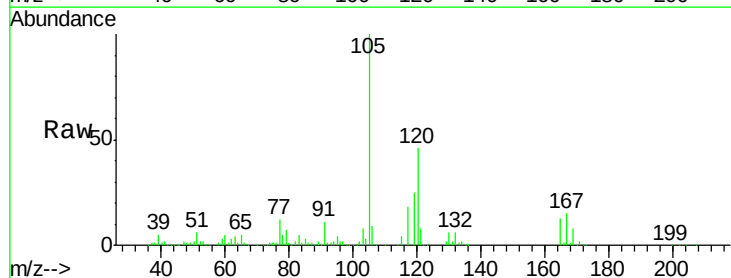
Manual Integrations
 APPROVED

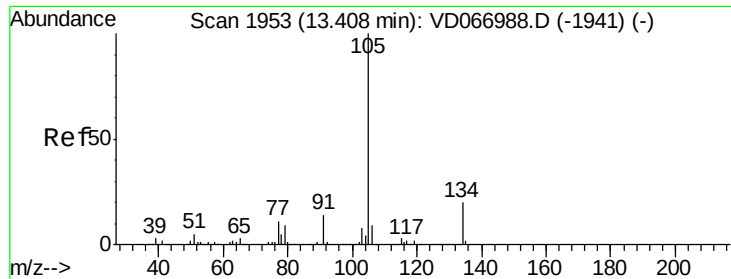
MMDadoda
 10/13/2020 1:52:24 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.929 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	662562		
120	44.4	23.3	69.8	





#85

sec-Butylbenzene

Concen: 53.159 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 748341

Ion Ratio Lower Upper

105 100

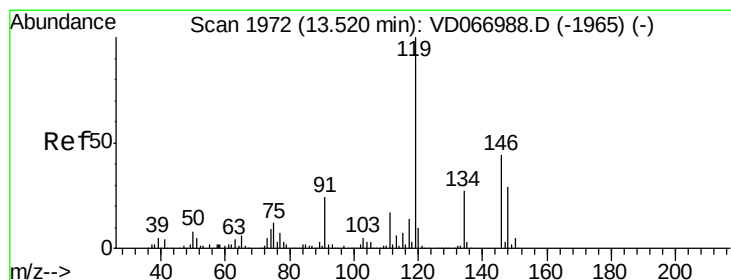
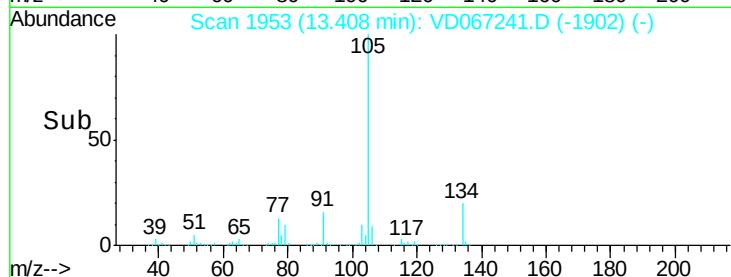
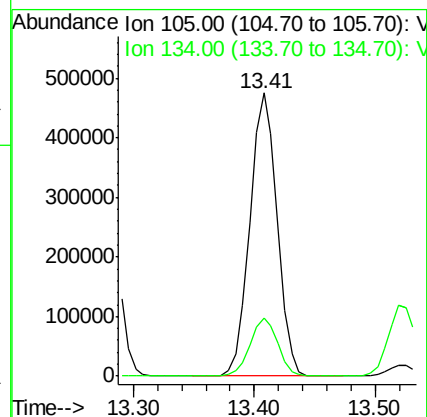
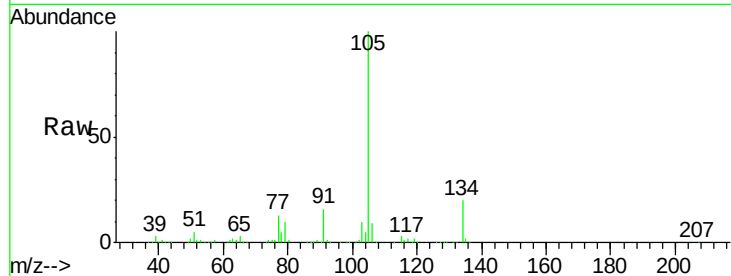
134 20.7 10.3 30.8

Manual Integrations

APPROVED

MMDadoda

10/13/2020 1:52:24 PM



#86

p-Isopropyltoluene

Concen: 53.537 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

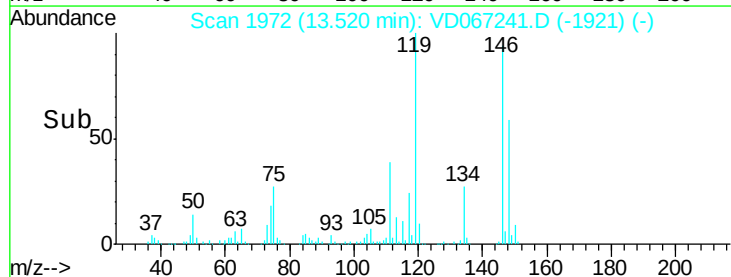
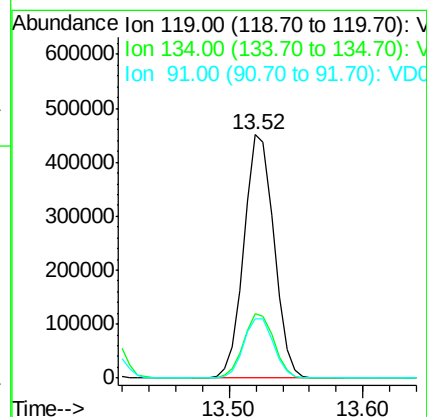
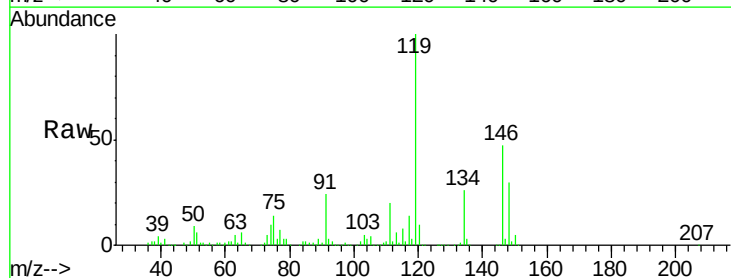
Tgt Ion:119 Resp: 698725

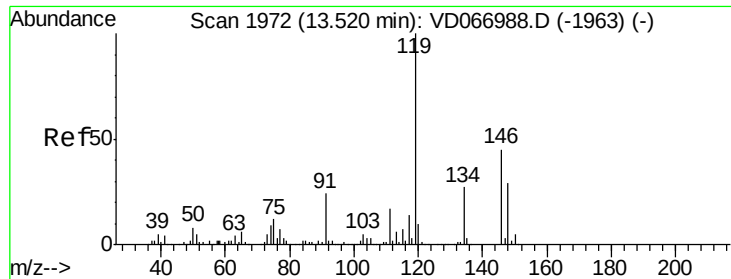
Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

91 24.7 11.7 35.1





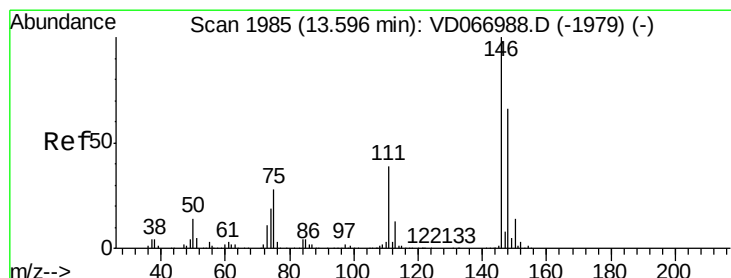
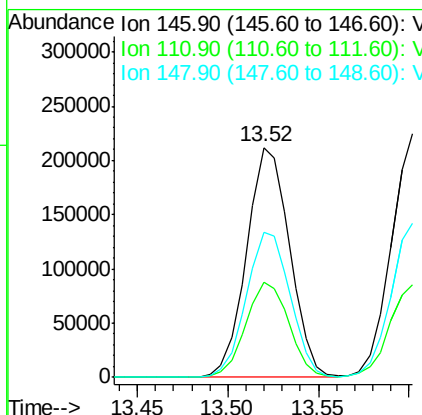
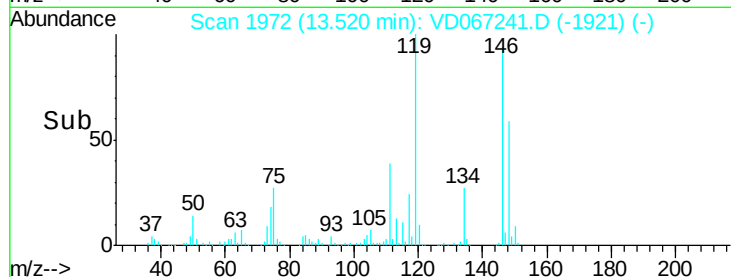
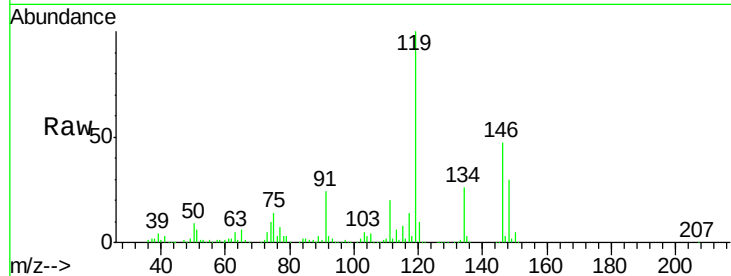
#87
1,3-Dichlorobenzene
Concen: 53.045 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.0	60.0
148	64.4	31.9	95.9

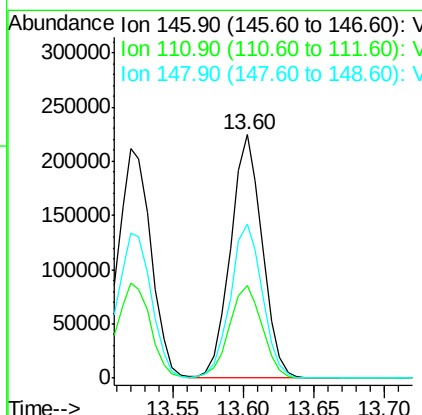
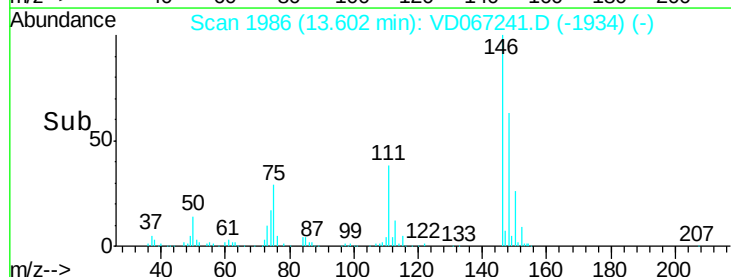
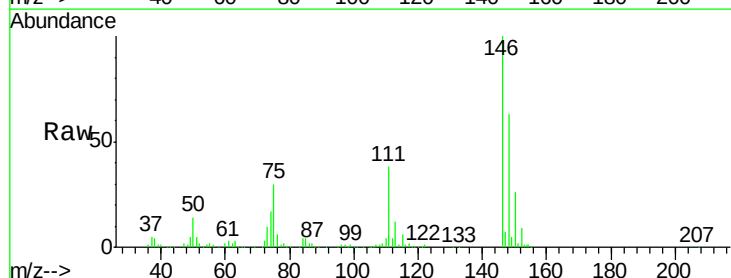
Manual Integrations
APPROVED

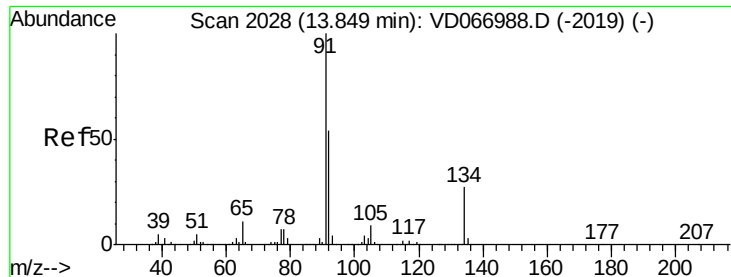
MMDadoda
10/13/2020 1:52:24 PM



#88
1,4-Dichlorobenzene
Concen: 53.161 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	64.0	32.6	97.7





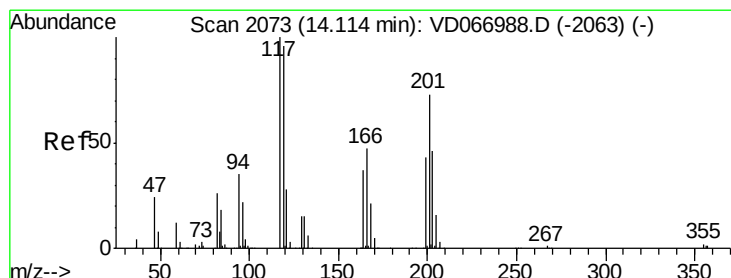
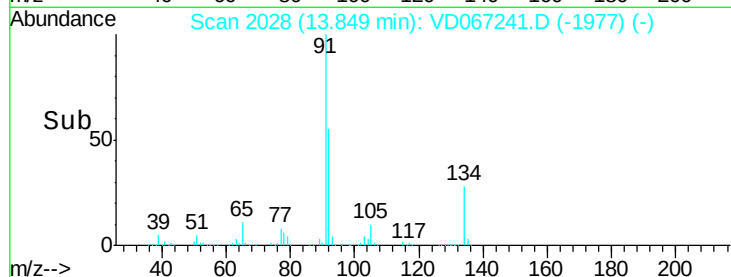
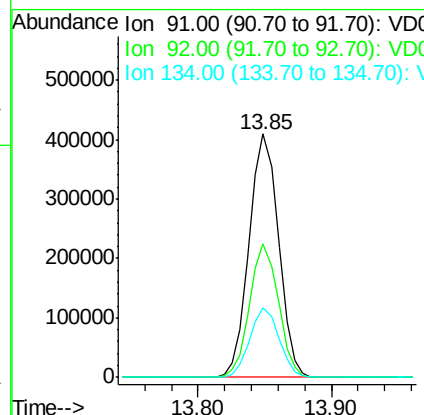
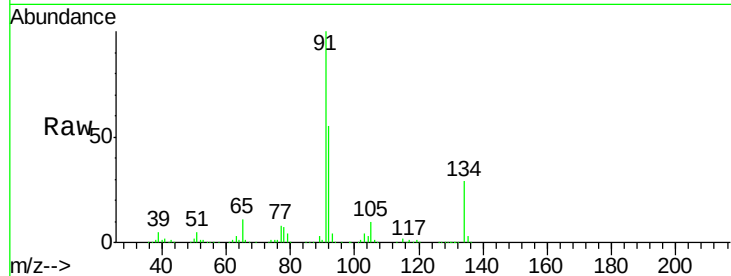
#89
n-Butylbenzene
Concen: 52.287 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.1	81.2
134	28.4	13.6	40.8

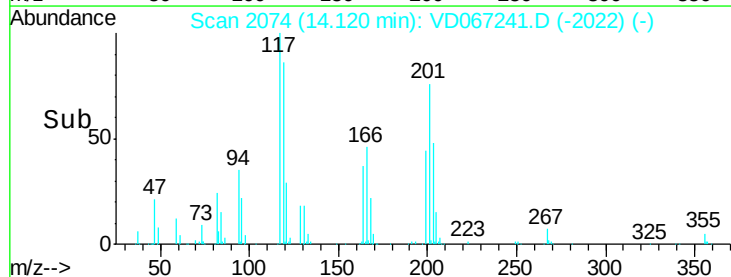
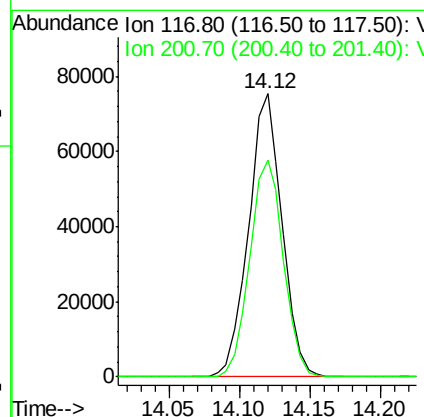
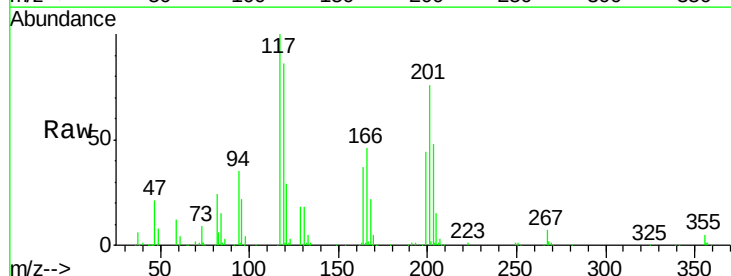
Manual Integrations
APPROVED

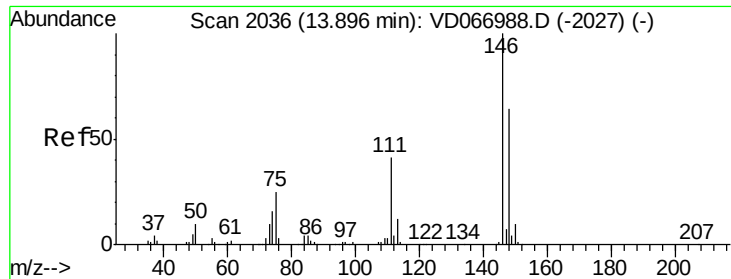
MMDadoda
10/13/2020 1:52:24 PM



#90
Hexachloroethane
Concen: 54.708 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.7	37.0	110.9





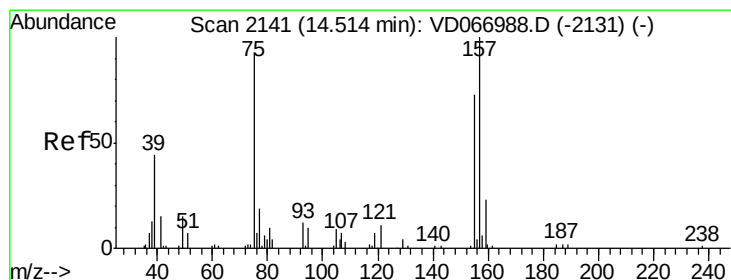
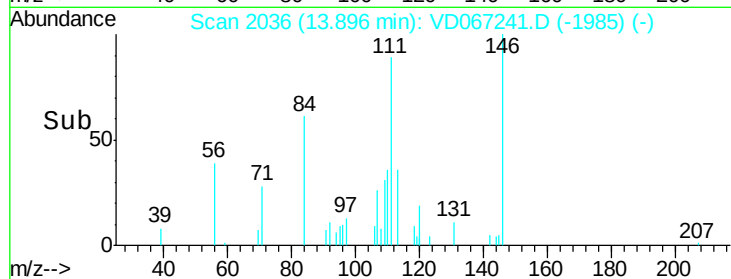
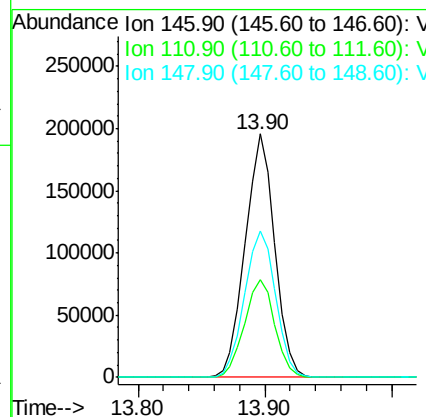
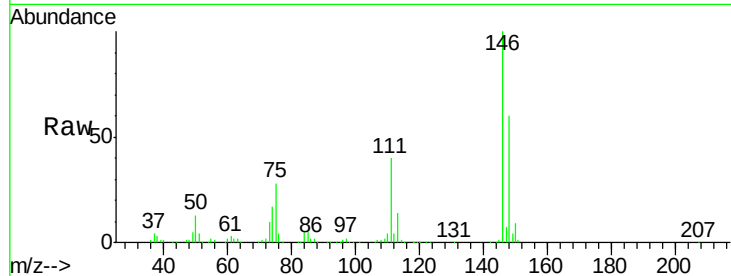
#91
 1,2-Dichlorobenzene
 Concen: 54.669 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.7
148	63.3	32.3	96.9

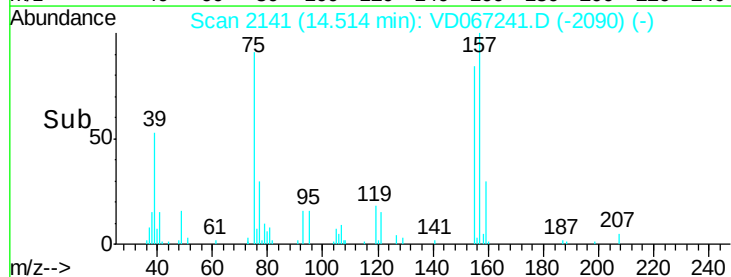
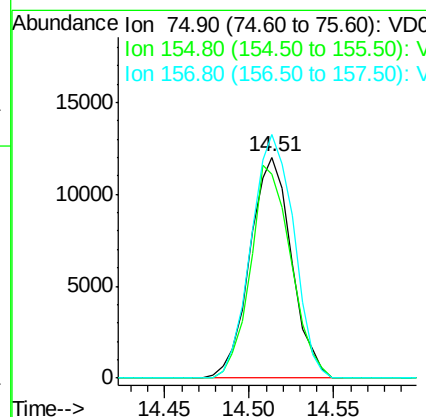
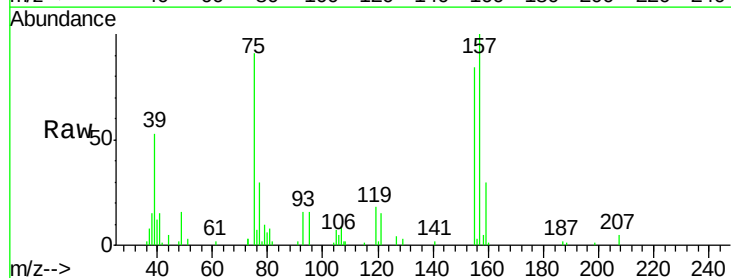
Manual Integrations
 APPROVED

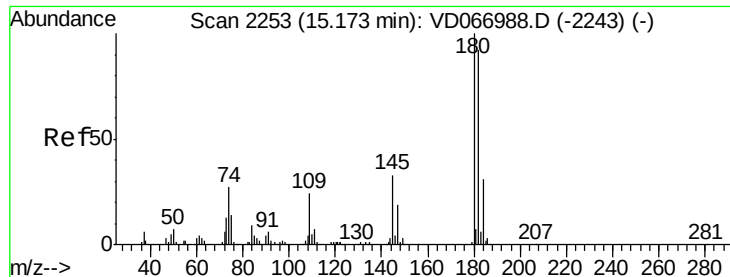
MMDadoda
 10/13/2020 1:52:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.840 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	45.2	135.6
157	112.4	56.3	168.8





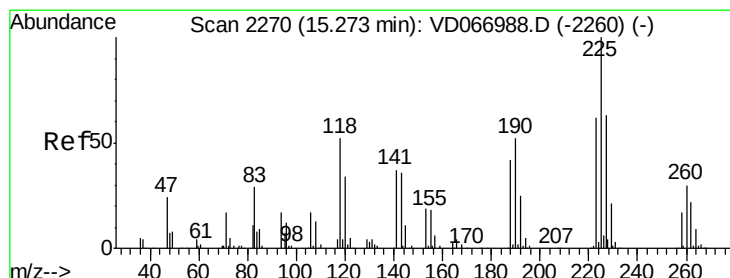
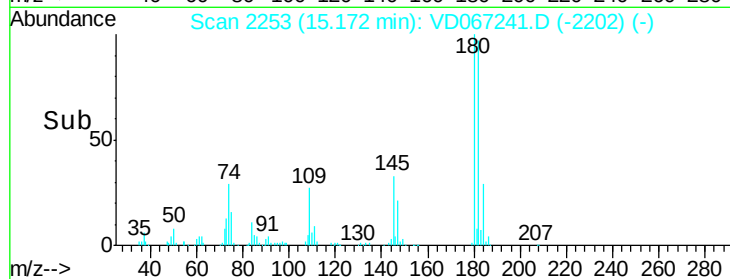
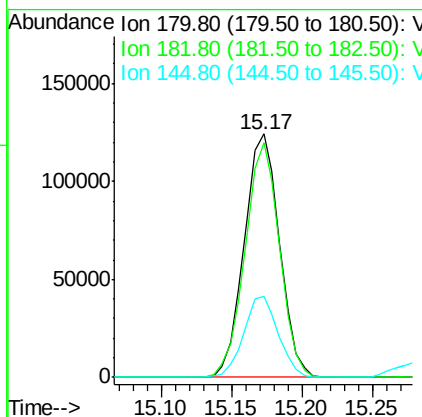
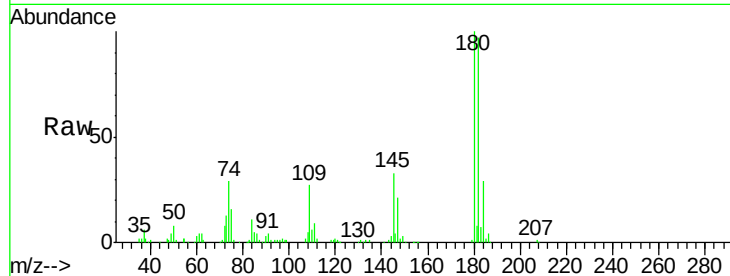
#93
 1,2,4-Trichlorobenzene
 Concen: 58.406 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218028		
182	94.1	47.3	142.0	
145	32.6	16.4	49.1	

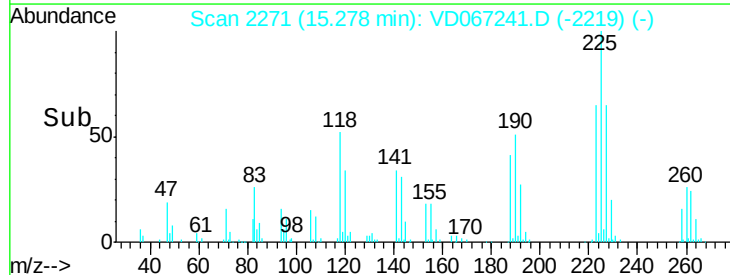
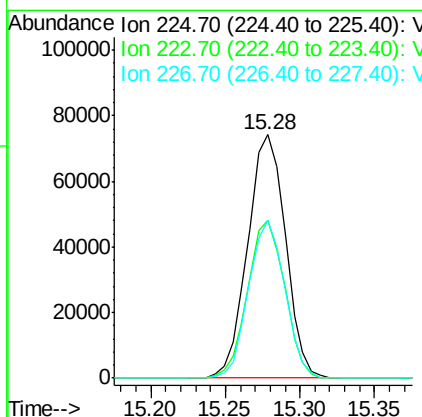
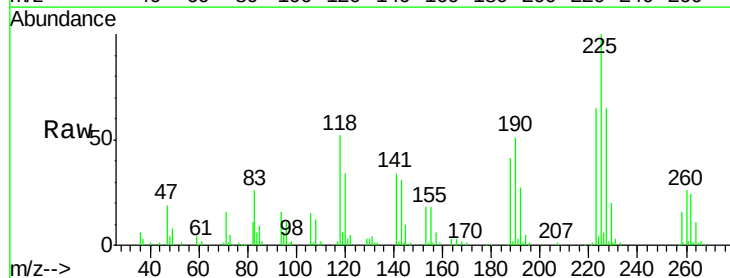
Manual Integrations
 APPROVED

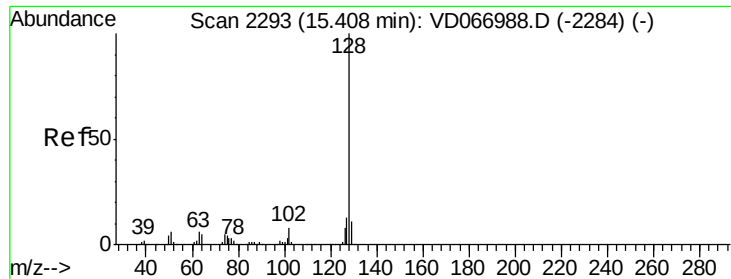
MMDadoda
 10/13/2020 1:52:24 PM



#94
 Hexachlorobutadiene
 Concen: 56.649 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129871		
223	63.4	32.4	97.0	
227	62.3	31.6	95.0	





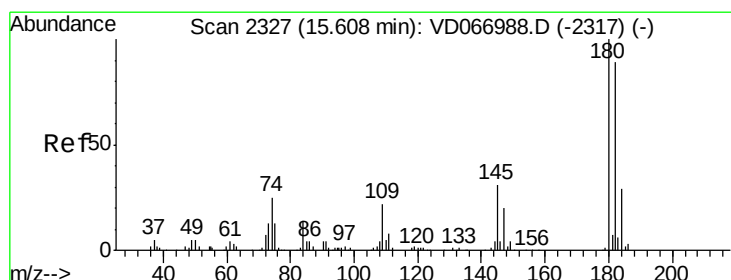
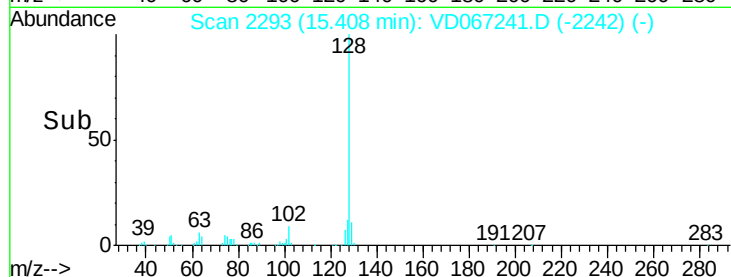
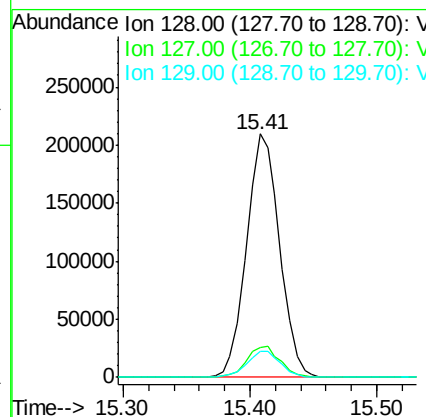
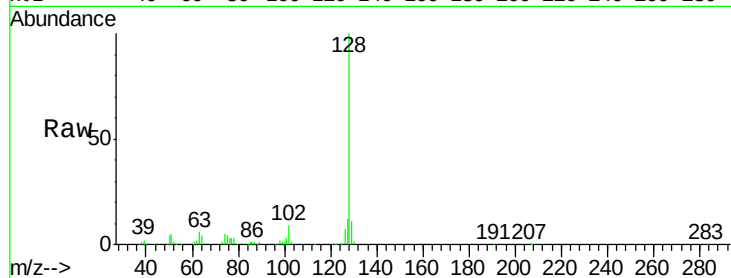
#95
Naphthalene
Concen: 60.787 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/13/2020 1:52:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 59.673 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.4	139.1
145	33.9	16.6	49.7

