

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067443.D
 Acq On : 28 Oct 2020 19:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 29 00:47:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	290639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	433875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	146840	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	7.91	113	151156	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.34	98	537020	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.64	95	184452	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94419	39.559	ug/l	96
3) Chloromethane	2.21	50	70169	38.362	ug/l	96
4) Vinyl Chloride	2.35	62	80334	40.028	ug/l	90
5) Bromomethane	2.77	94	68163	48.748	ug/l	95
6) Chloroethane	2.92	64	54203	43.366	ug/l	100
7) Trichlorofluoromethane	3.27	101	227371	44.991	ug/l	93
8) Diethyl Ether	3.70	74	56862	49.171	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	127409	47.452	ug/l	98
10) Methyl Iodide	4.30	142	111792	45.135	ug/l	97
11) Tert butyl alcohol	5.21	59	38090	251.970	ug/l	98
12) 1,1-Dichloroethene	4.07	96	110104	45.902	ug/l	97
13) Acrolein	3.92	56	34088	200.571	ug/l	96
14) Allyl chloride	4.71	41	132459	48.220	ug/l	99
15) Acrylonitrile	5.43	53	101464	262.954	ug/l	99
16) Acetone	4.16	43	94126	230.818	ug/l	99
17) Carbon Disulfide	4.41	76	275386	40.272	ug/l	96
18) Methyl Acetate	4.72	43	51122	54.963	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	250331	52.485	ug/l	95
20) Methylene Chloride	4.97	84	140371	54.107	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	133471	48.353	ug/l	97
22) Diisopropyl ether	6.37	45	266357	53.080	ug/l	96
23) Vinyl Acetate	6.31	43	771962	270.402	ug/l	100
24) 1,1-Dichloroethane	6.27	63	216004	50.286	ug/l	97
25) 2-Butanone	7.22	43	116506	250.635	ug/l	93
26) 2,2-Dichloropropane	7.21	77	205909	46.507	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	156333	51.675	ug/l	98
28) Bromochloromethane	7.56	49	77707	53.037	ug/l	98
29) Tetrahydrofuran	7.56	42	66643	257.910	ug/l	90
30) Chloroform	7.71	83	262422	51.141	ug/l	92
31) Cyclohexane	7.99	56	144872	43.197	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	249379	49.532	ug/l	98
36) 1,1-Dichloropropene	8.11	75	174105	47.345	ug/l	99
37) Ethyl Acetate	7.29	43	56152	51.899	ug/l	96
38) Carbon Tetrachloride	8.10	117	231877	49.335	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	181507	47.213	ug/l	99
40) Benzene	8.36	78	510072	50.560	ug/l	98
41) Methacrylonitrile	7.57	41	76013	130.010	ug/l #	19
42) 1,2-Dichloroethane	8.43	62	162070	51.334	ug/l	100
43) Isopropyl Acetate	8.46	43	113410	52.826	ug/l	99
44) Trichloroethene	9.11	130	159527	49.388	ug/l	89
45) 1,2-Dichloropropane	9.39	63	119021	50.905	ug/l	95
46) Dibromomethane	9.48	93	76944	52.819	ug/l	95
47) Bromodichloromethane	9.67	83	208783	53.494	ug/l	98
48) Methyl methacrylate	9.46	41	59388	56.923	ug/l	90
49) 1,4-Dioxane	9.47	88	16393	1167.940	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	289723	270.568	ug/l	100
52) Toluene	10.41	92	360830	52.513	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	182994	53.373	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	210775	52.530	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	105726	53.223	ug/l	96
56) Ethyl methacrylate	10.67	69	114990	55.815	ug/l	99
57) 1,3-Dichloropropane	10.95	76	169573	53.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	298775	282.697	ug/l	99
59) 2-Hexanone	10.99	43	193160	263.986	ug/l	97
60) Dibromochloromethane	11.14	129	150805	52.056	ug/l	97
61) 1,2-Dibromoethane	11.25	107	102733	52.458	ug/l	99
64) Tetrachloroethene	10.88	164	141246	46.449	ug/l	97
65) Chlorobenzene	11.67	112	397944	49.445	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	164088	51.298	ug/l	98
67) Ethyl Benzene	11.75	91	693032	50.234	ug/l	99
68) m/p-Xylenes	11.86	106	528801	99.536	ug/l	99
69) o-Xylene	12.18	106	243032	49.401	ug/l	98
70) Styrene	12.20	104	432565	51.078	ug/l	98
71) Bromoform	12.37	173	88714	51.625	ug/l #	100
73) Isopropylbenzene	12.48	105	695779	51.583	ug/l	100
74) N-amyl acetate	12.29	43	99617	48.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	107512	52.020	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	141063	95.764	ug/l #	100
77) Bromobenzene	12.77	156	169901	50.523	ug/l	99
78) n-propylbenzene	12.83	91	776484	49.685	ug/l	99
79) 2-Chlorotoluene	12.91	91	460378	50.797	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	604677	51.587	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32973	50.761	ug/l	95
82) 4-Chlorotoluene	13.01	91	487186	50.647	ug/l	100
83) tert-Butylbenzene	13.23	119	516077	52.122	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	596529	51.491	ug/l	98
85) sec-Butylbenzene	13.41	105	674138	49.620	ug/l	100
86) p-Isopropyltoluene	13.52	119	656705	51.211	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	322723	49.859	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	319953	49.893	ug/l	99
89) n-Butylbenzene	13.85	91	565762	50.150	ug/l	100
90) Hexachloroethane	14.12	117	108645	48.551	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	283868	50.202	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19376	51.605	ug/l	92

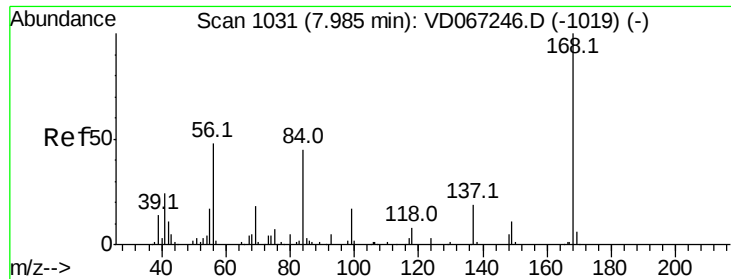
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	201708	52.909	ug/l	98
94) Hexachlorobutadiene	15.27	225	121182	51.187	ug/l	97
95) Naphthalene	15.41	128	339439	54.230	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173828	52.778	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

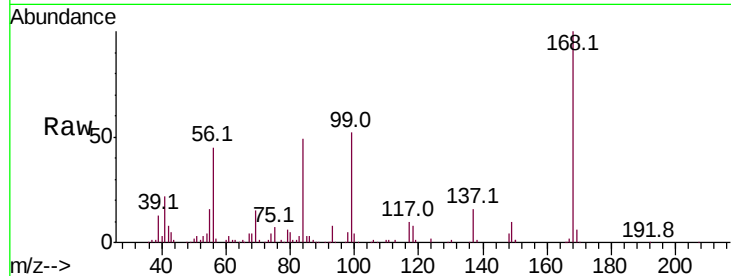
VSTDCCC050EC

Tot Ion:168 Resp: 290639

Ion Ratio Lower Upper

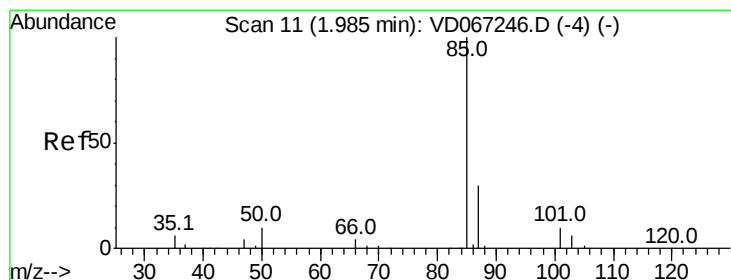
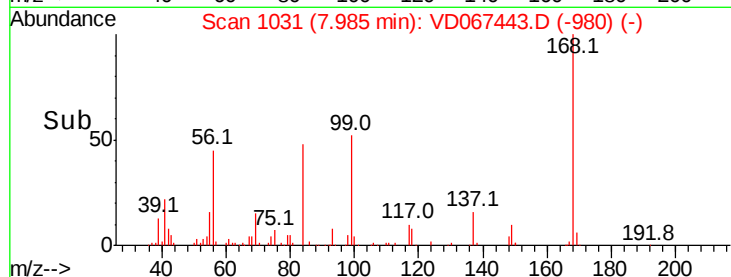
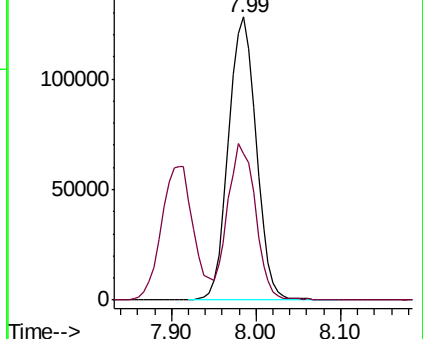
168 100

99 51.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 39.559 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067443.D

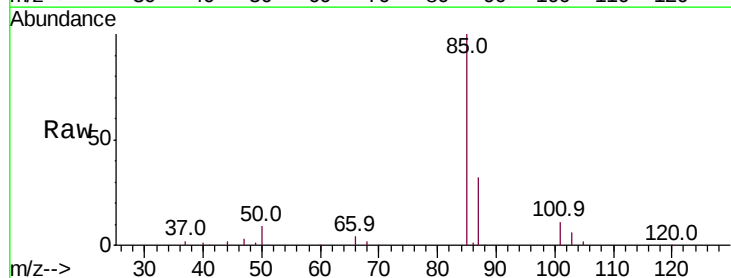
Acq: 28 Oct 2020 19:41

Tgt Ion: 85 Resp: 94419

Ion Ratio Lower Upper

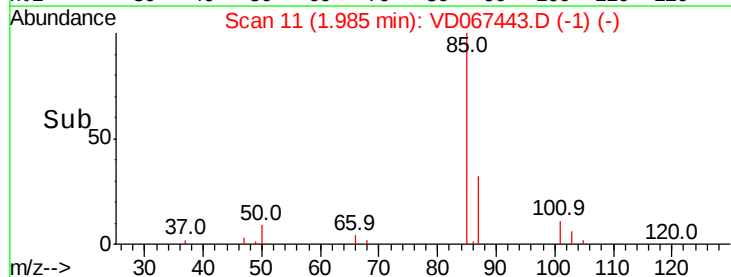
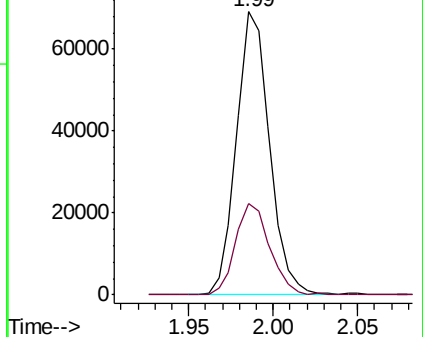
85 100

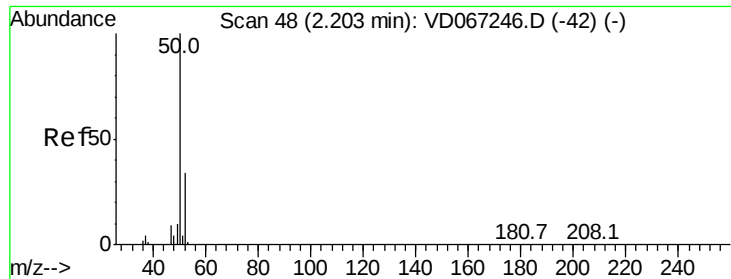
87 32.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 38.362 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

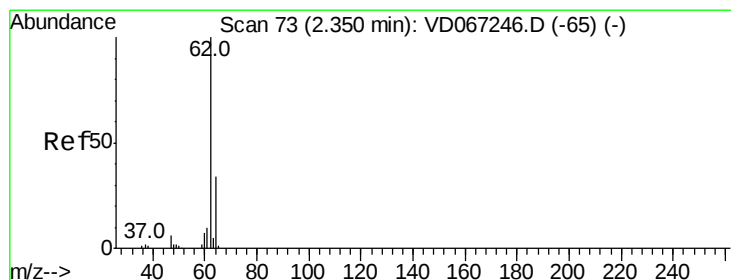
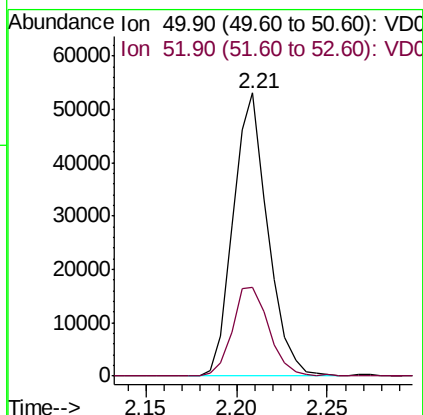
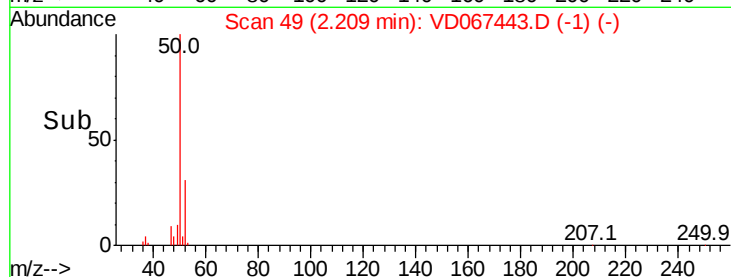
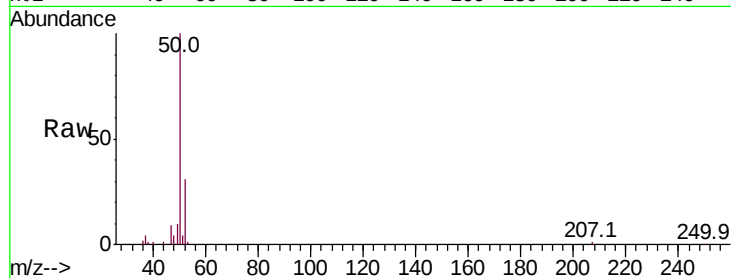
VSTDCCC050EC

Tot Ion: 50 Resp: 70169

Ion Ratio Lower Upper

50 100

52 31.4 27.1 40.7



#4

Vinyl Chloride

Concen: 40.028 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067443.D

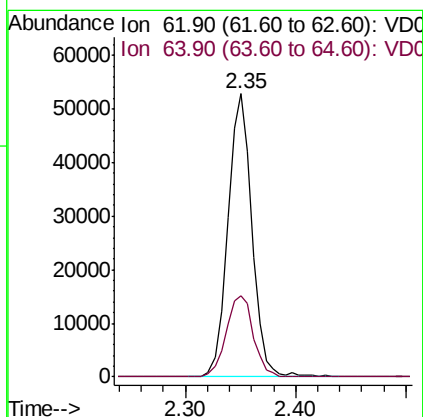
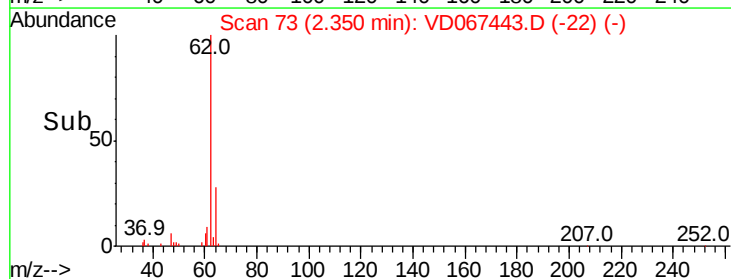
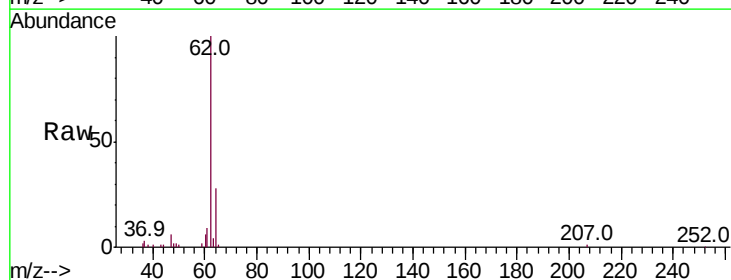
Acq: 28 Oct 2020 19:41

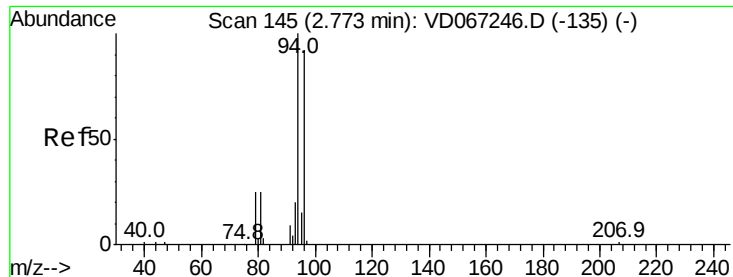
Tgt Ion: 62 Resp: 80334

Ion Ratio Lower Upper

62 100

64 28.5 27.4 41.0





#5

Bromomethane

Concen: 48.748 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

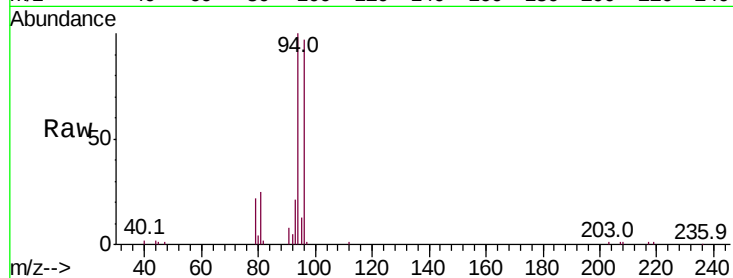
VSTDCCC050EC

Tot Ion: 94 Resp: 68163

Ion Ratio Lower Upper

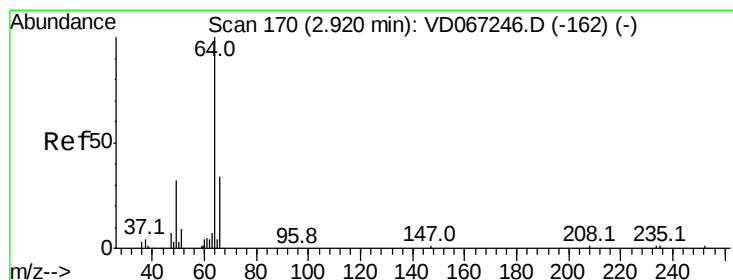
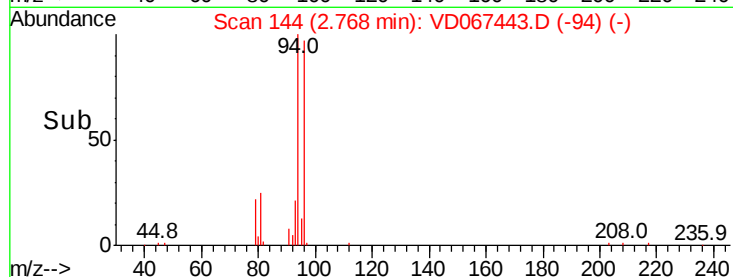
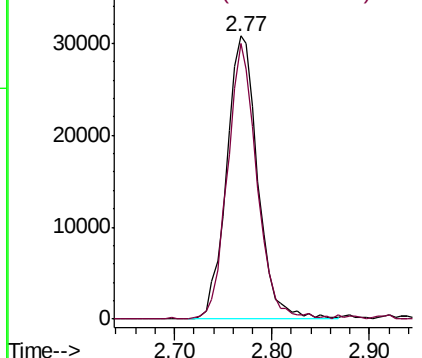
94 100

96 97.3 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.366 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067443.D

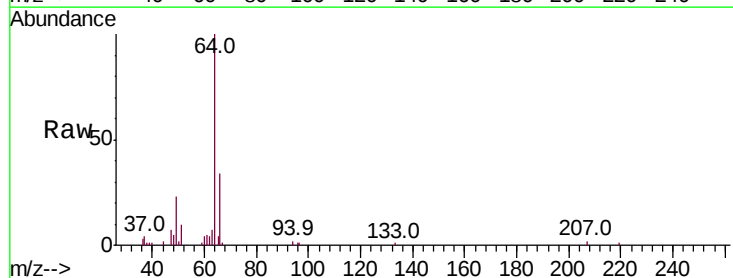
Acq: 28 Oct 2020 19:41

Tgt Ion: 64 Resp: 54203

Ion Ratio Lower Upper

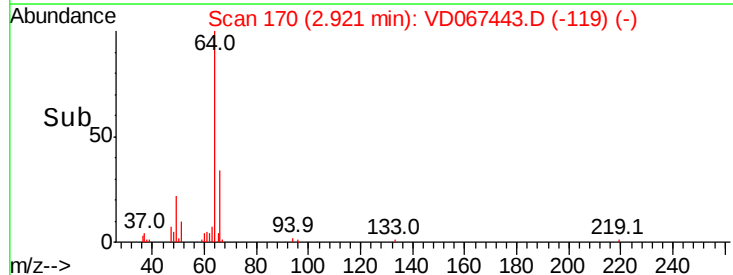
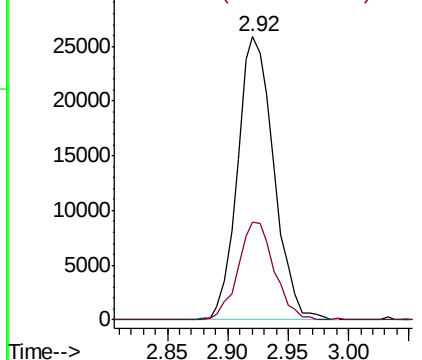
64 100

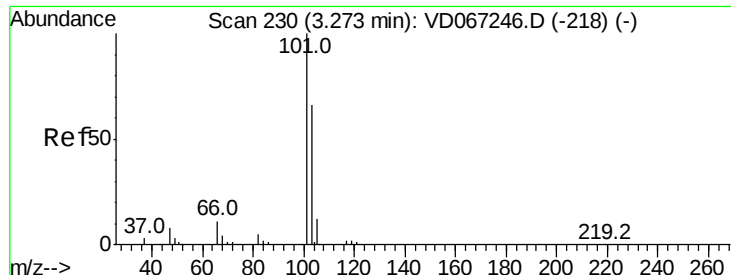
66 34.3 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



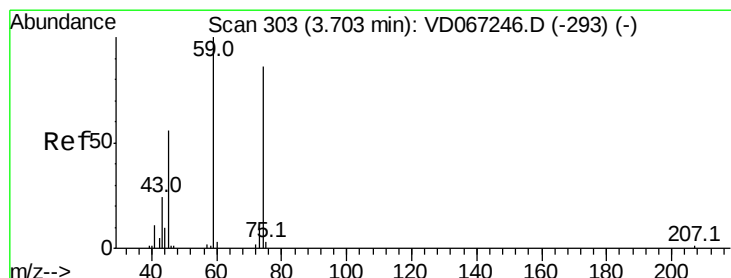
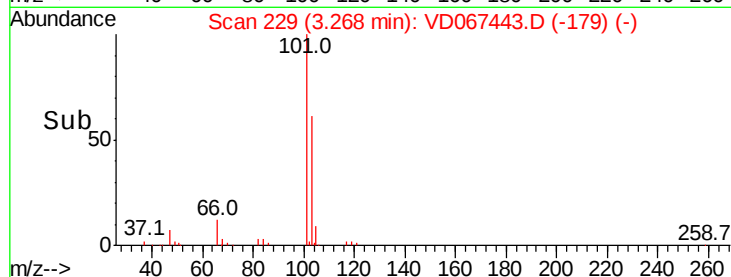
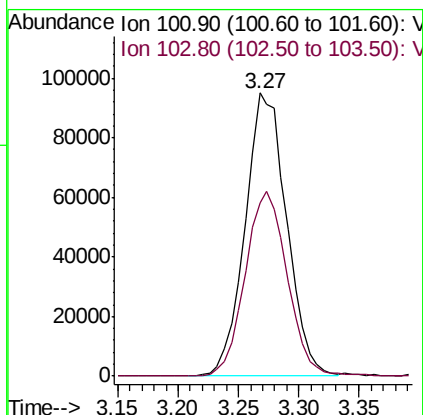
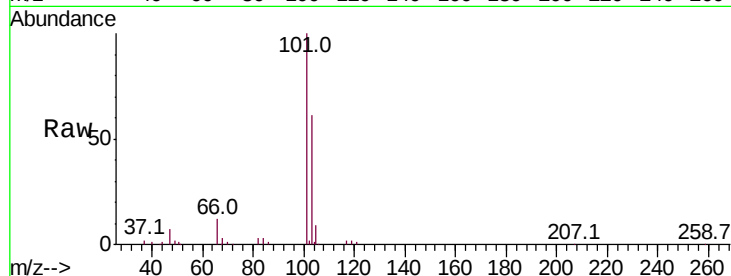


#7

Trichlorofluoromethane
 Concen: 44.991 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

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 VSTDCCC050EC

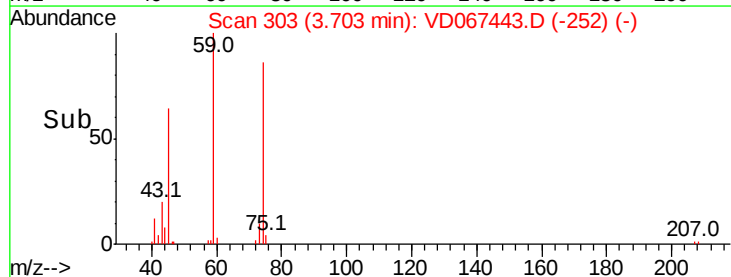
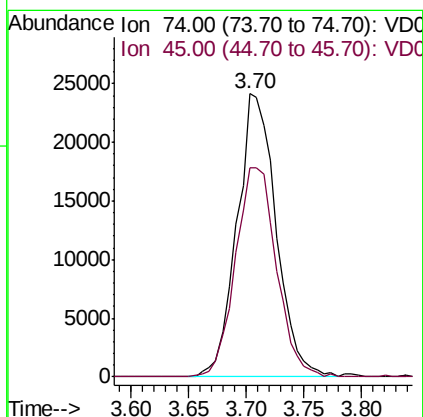
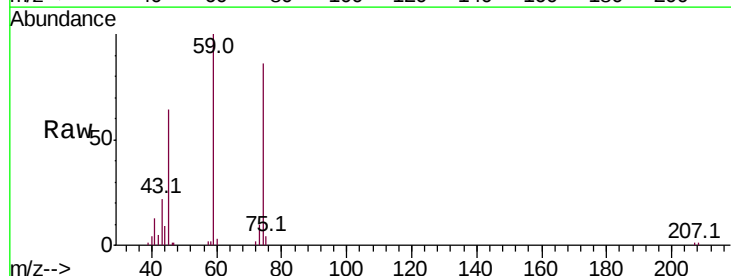
Tot Ion:101 Resp: 227371
 Ion Ratio Lower Upper
 101 100
 103 61.2 53.1 79.7

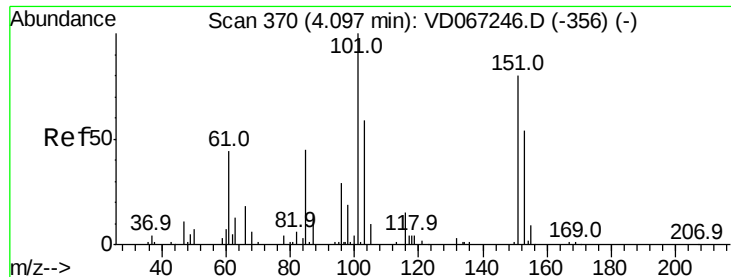


#8

Diethyl Ether
 Concen: 49.171 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion: 74 Resp: 56862
 Ion Ratio Lower Upper
 74 100
 45 77.5 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.452 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

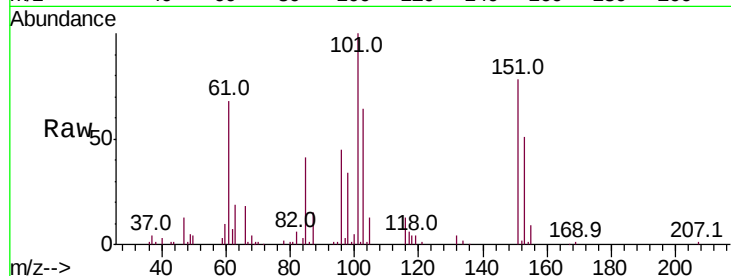
Tot Ion:101 Resp: 127409

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.4

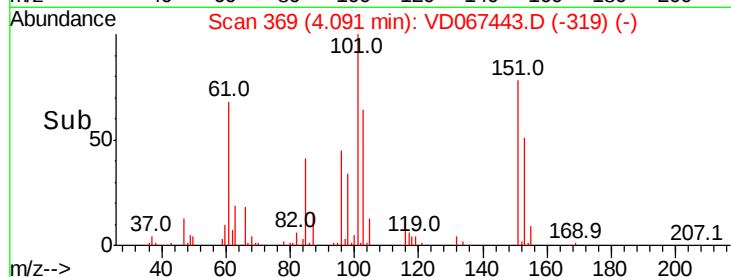
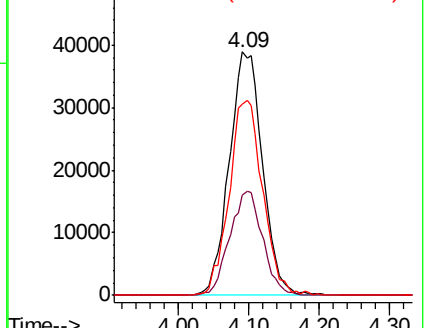
151 81.0 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.135 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

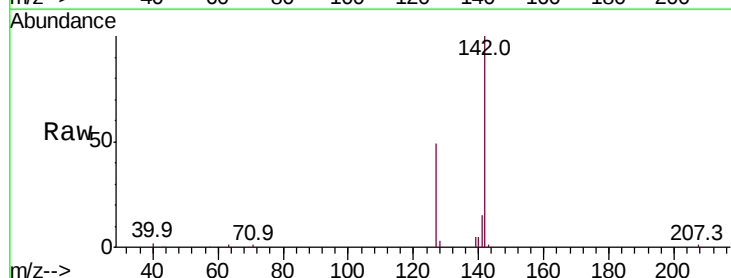
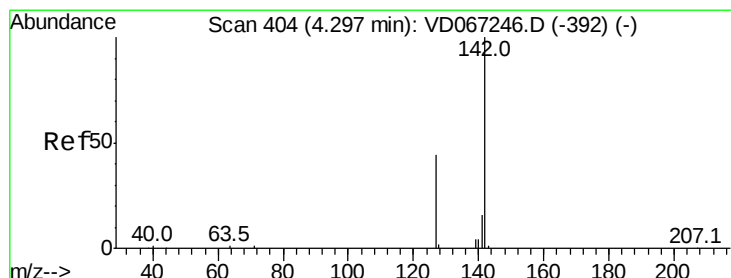
Tgt Ion:142 Resp: 111792

Ion Ratio Lower Upper

142 100

127 50.4 38.4 57.6

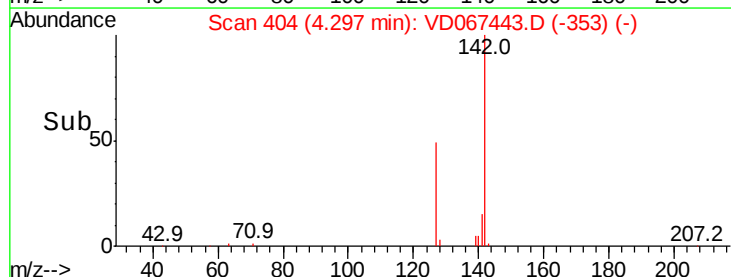
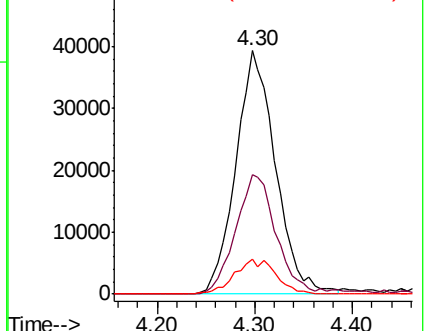
141 15.1 11.6 17.4

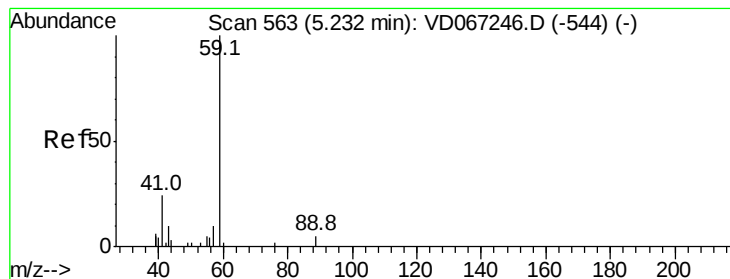


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 251.970 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

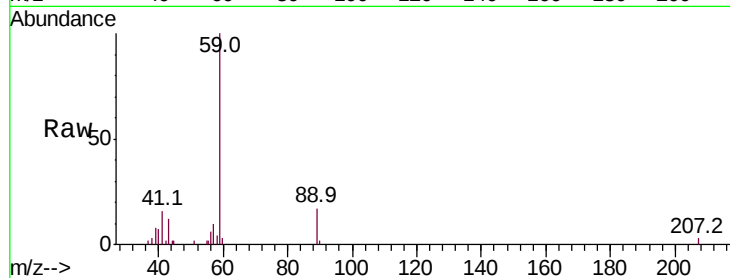
VSTDCCC050EC

Tot Ion: 59 Resp: 38090

Ion Ratio Lower Upper

59 100

57 7.1 5.1 7.7



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

12000

10000

8000

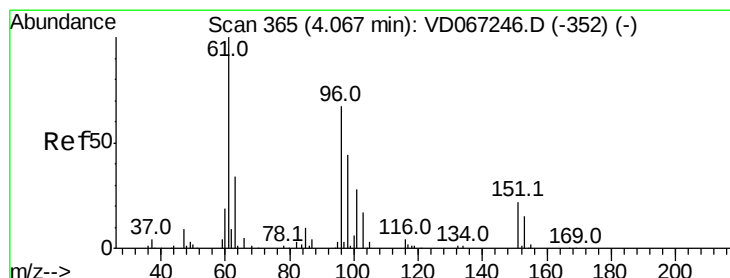
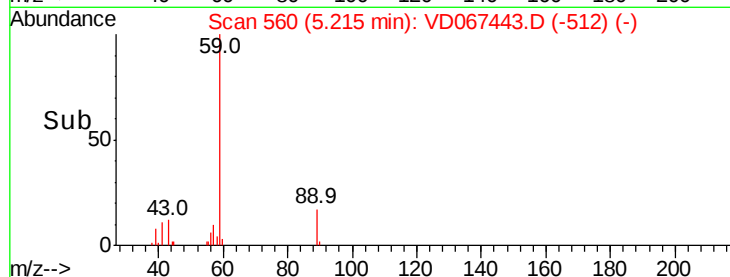
6000

4000

2000

0

Time--> 5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 45.902 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

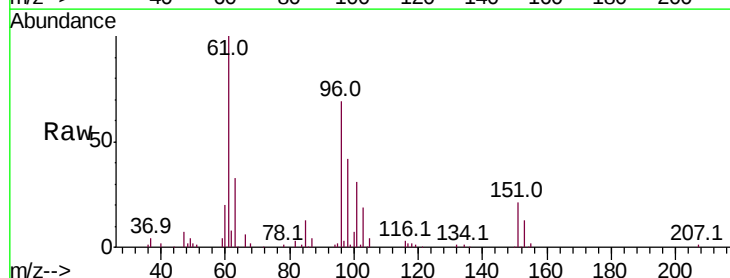
Tgt Ion: 96 Resp: 110104

Ion Ratio Lower Upper

96 100

61 145.3 118.6 177.8

98 61.3 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

80000

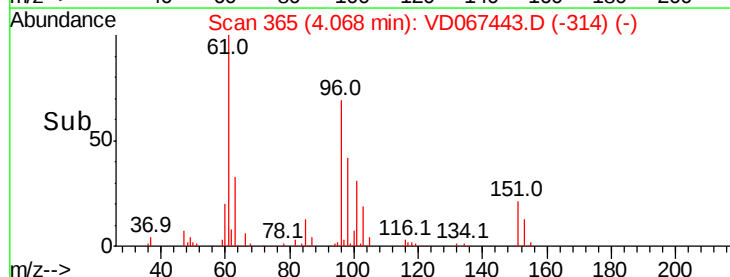
60000

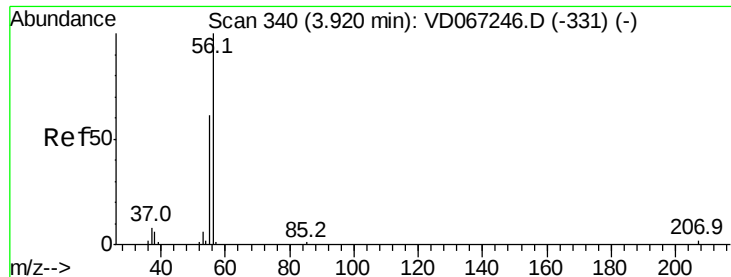
40000

20000

0

Time--> 4.00 4.10 4.20

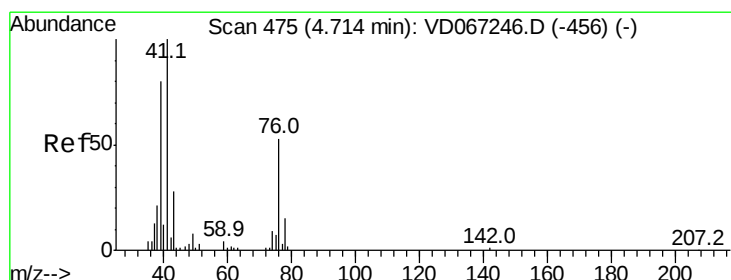
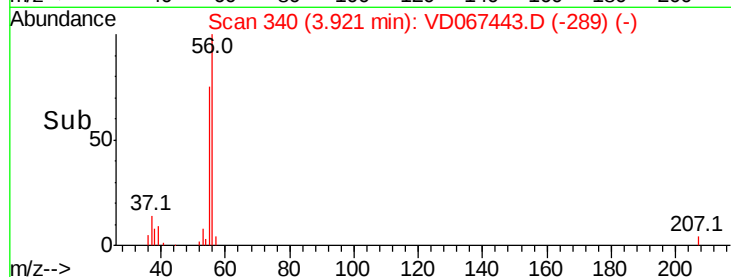
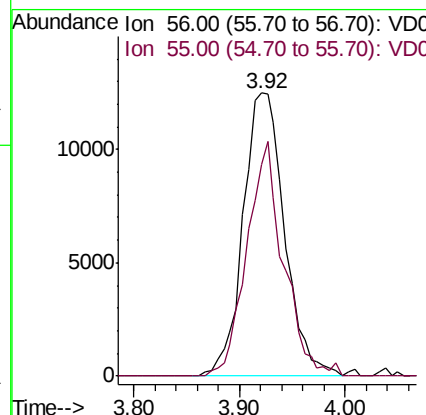
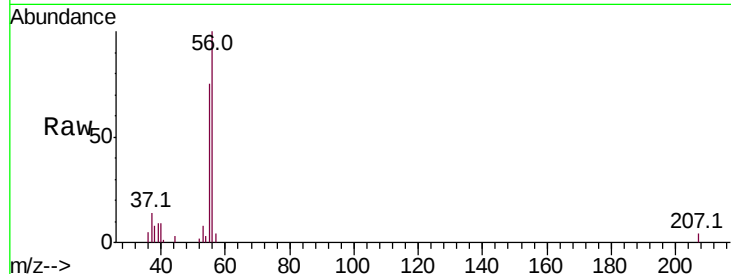




#13
Acrolein
Concen: 200.571 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

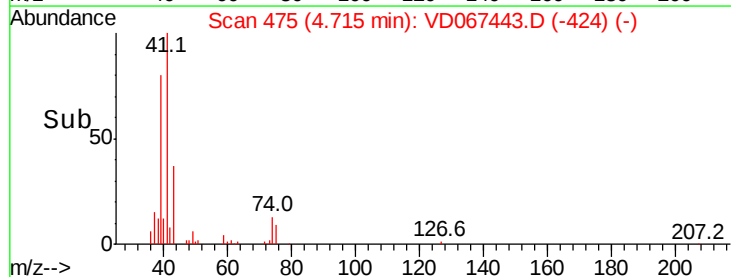
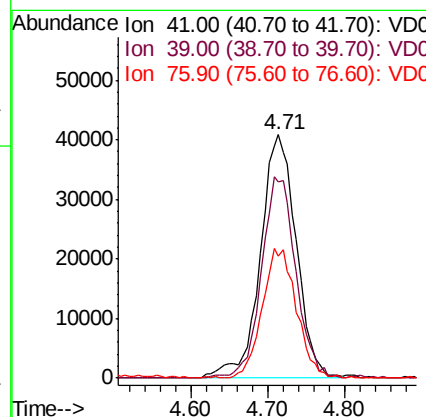
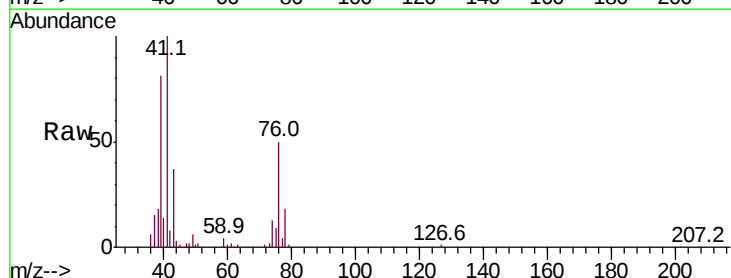
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

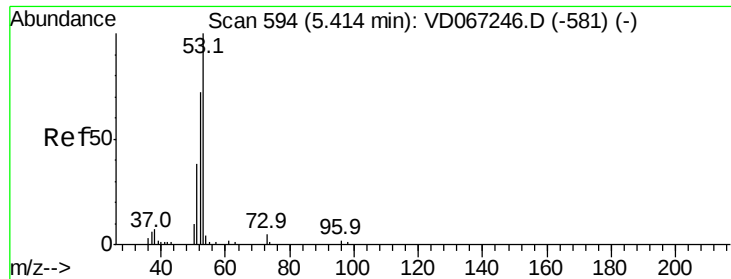
Tot Ion: 56 Resp: 34088
Ion Ratio Lower Upper
56 100
55 73.2 56.0 84.0



#14
Allyl chloride
Concen: 48.220 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 41 Resp: 132459
Ion Ratio Lower Upper
41 100
39 79.2 63.8 95.6
76 50.8 40.4 60.6





#15

Acrylonitrile

Concen: 262.954 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

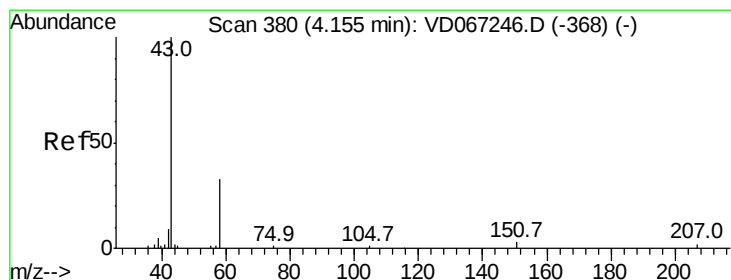
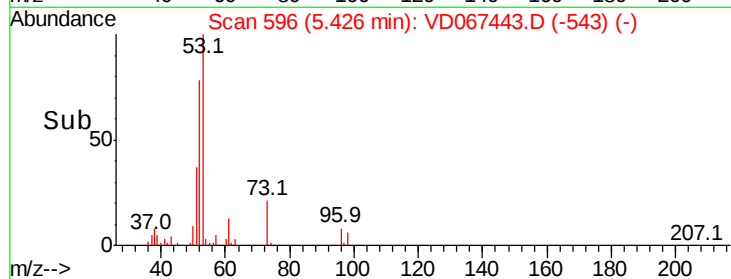
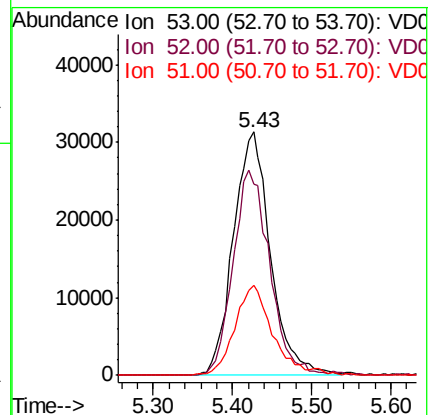
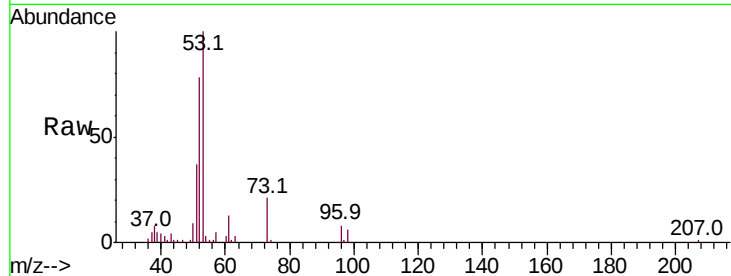
Tot Ion: 53 Resp: 101464

Ion Ratio Lower Upper

53 100

52 83.1 65.6 98.4

51 38.1 30.8 46.2



#16

Acetone

Concen: 230.818 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067443.D

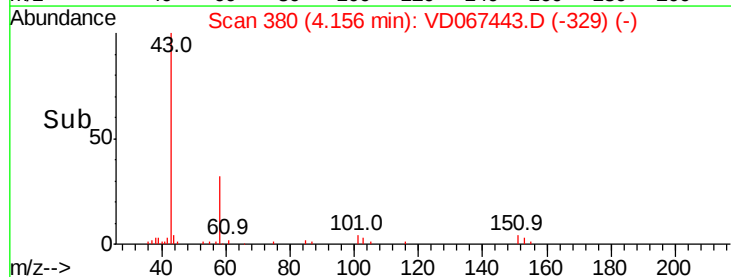
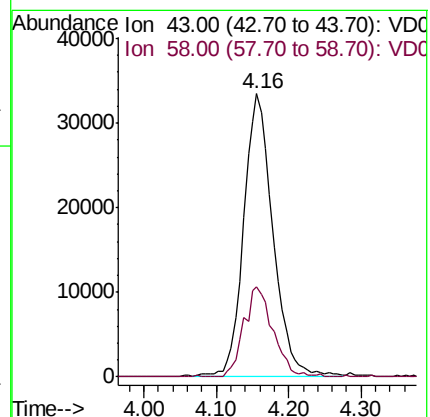
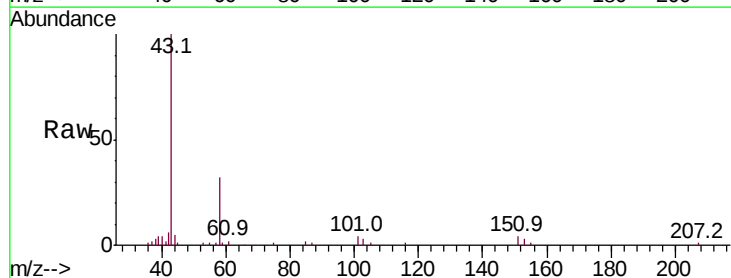
Acq: 28 Oct 2020 19:41

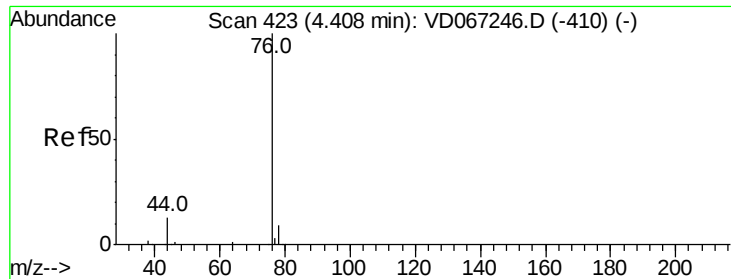
Tgt Ion: 43 Resp: 94126

Ion Ratio Lower Upper

43 100

58 31.8 26.1 39.1

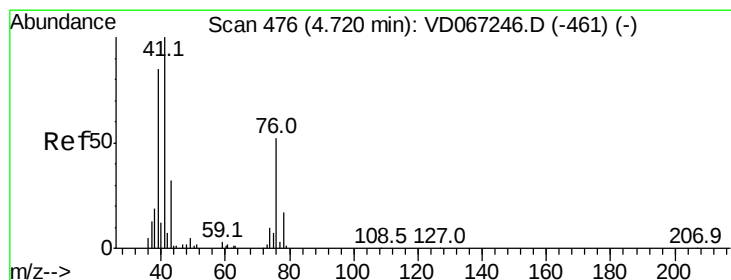
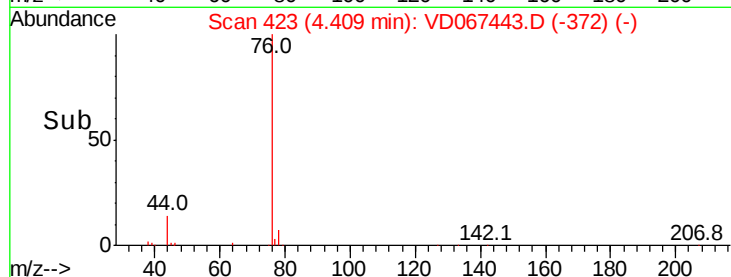
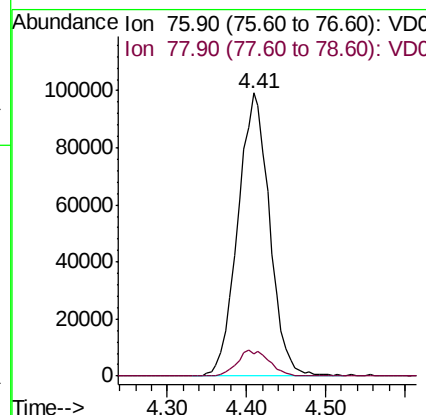
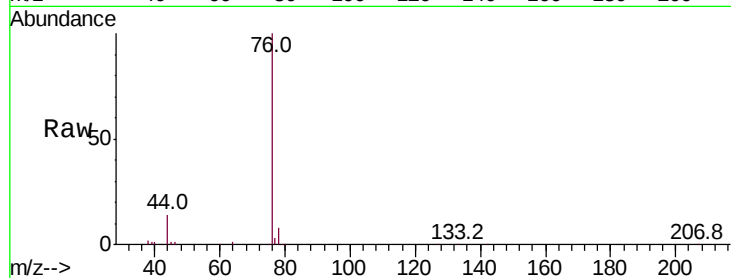




#17
Carbon Disulfide
Concen: 40.272 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

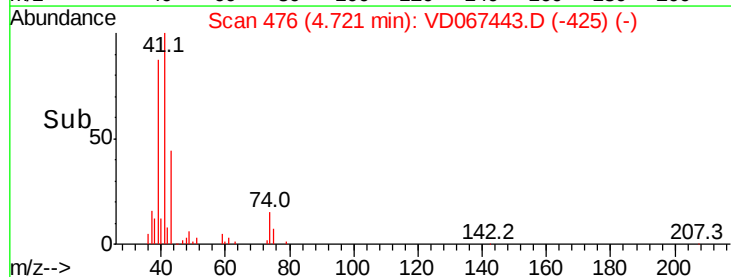
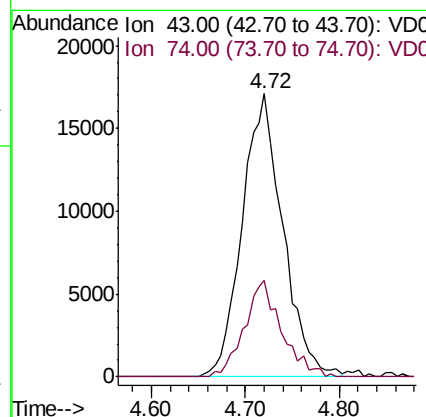
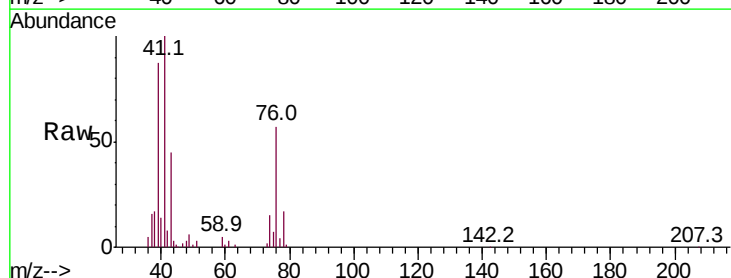
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

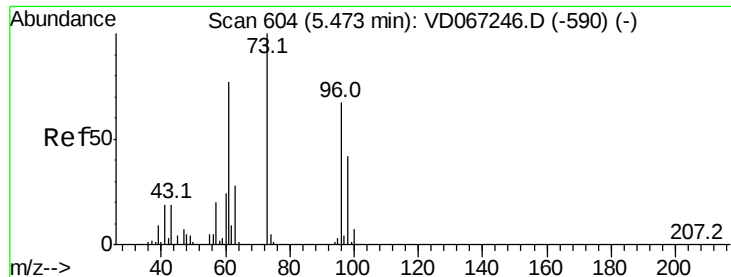
Tot Ion: 76 Resp: 275386
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.0



#18
Methyl Acetate
Concen: 54.963 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 43 Resp: 51122
Ion Ratio Lower Upper
43 100
74 31.2 26.6 39.8





#19

Methyl tert-butyl Ether

Concen: 52.485 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

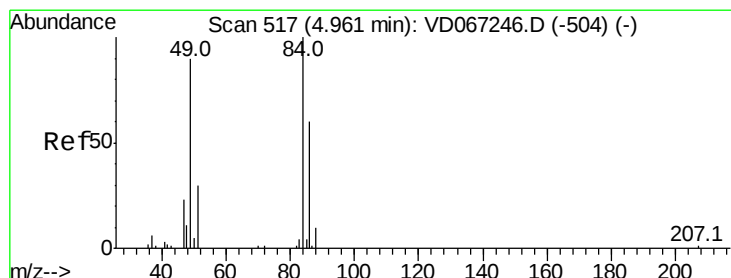
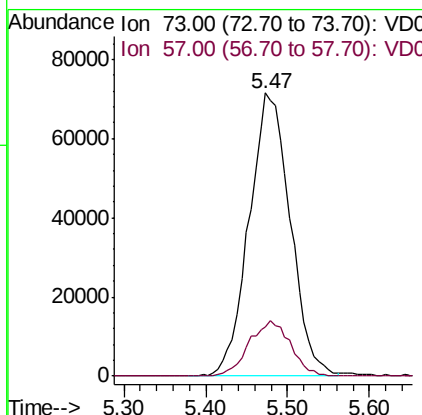
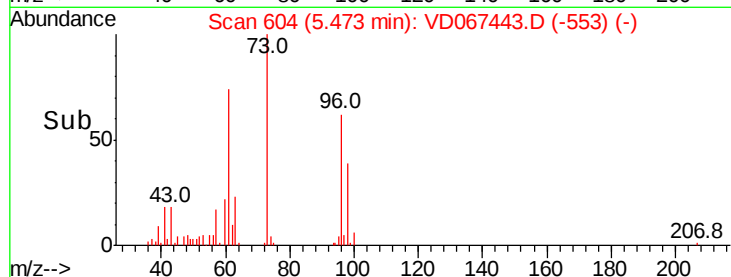
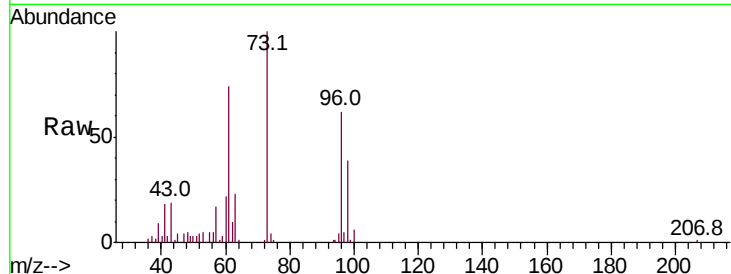
Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 250331

Ion	Ratio	Lower	Upper
73	100		
57	17.1	15.7	23.5



#20

Methylene Chloride

Concen: 54.107 ug/l

RT: 4.97 min Scan# 519

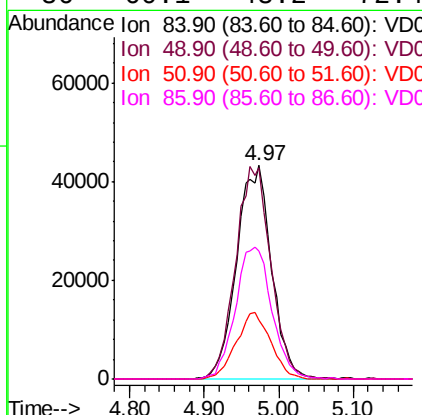
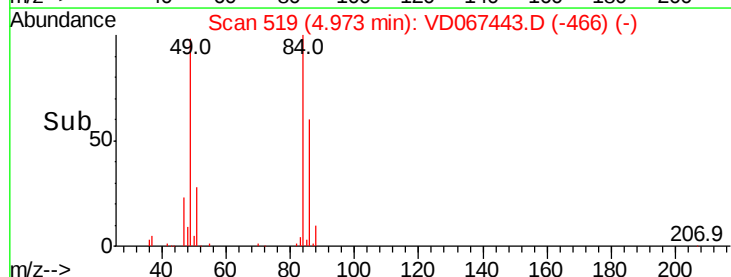
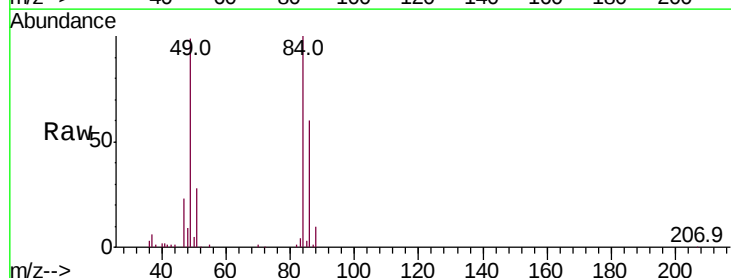
Delta R.T. 0.01 min

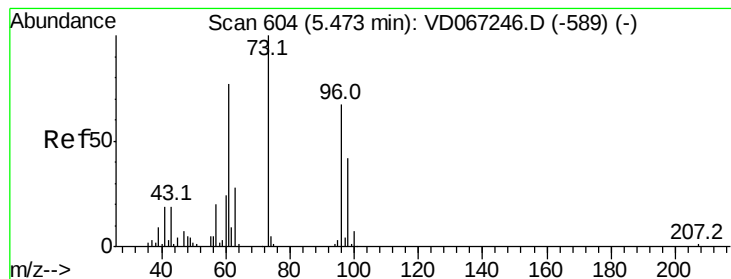
Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Tgt Ion: 84 Resp: 140371

Ion	Ratio	Lower	Upper
84	100		
49	98.7	72.2	108.2
51	27.6	23.8	35.8
86	60.1	48.2	72.4





#21

trans-1,2-Dichloroethene

Concen: 48.353 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

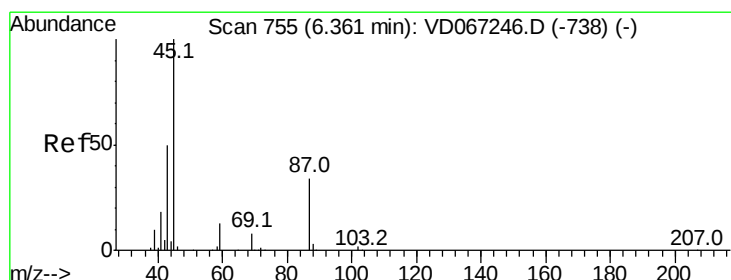
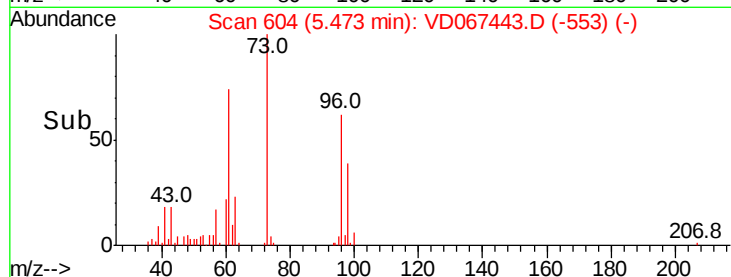
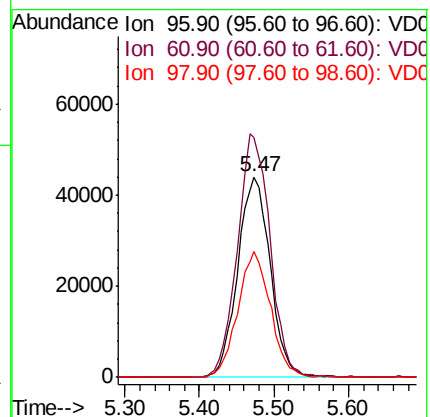
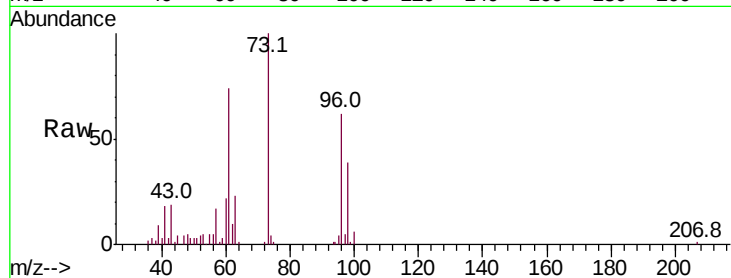
Tot Ion: 96 Resp: 133471

Ion Ratio Lower Upper

96 100

61 119.6 92.0 138.0

98 62.7 49.8 74.8



#22

Diisopropyl ether

Concen: 53.080 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Tgt Ion: 45 Resp: 266357

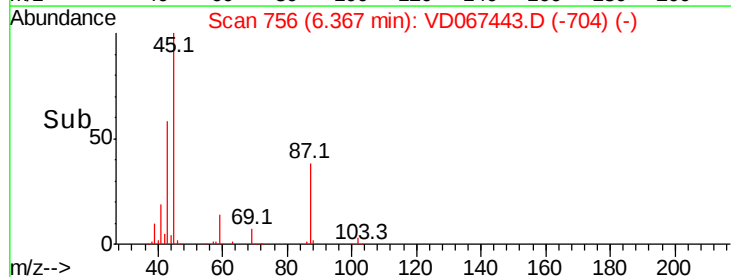
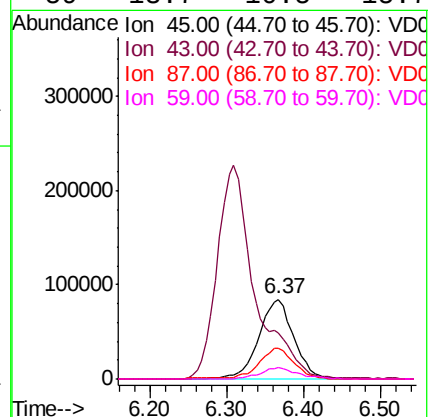
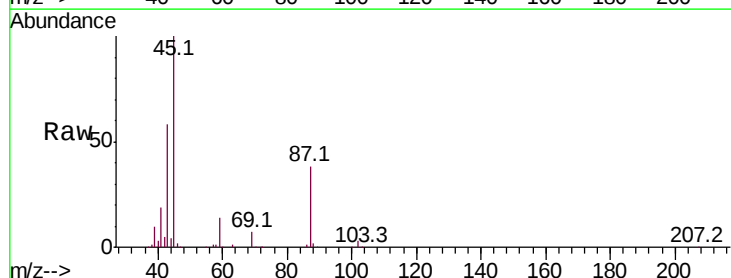
Ion Ratio Lower Upper

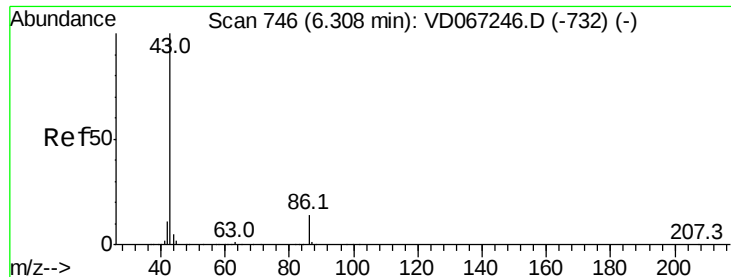
45 100

43 56.6 48.0 72.0

87 38.2 28.5 42.7

59 13.7 10.5 15.7





#23

Vinyl Acetate

Concen: 270.402 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

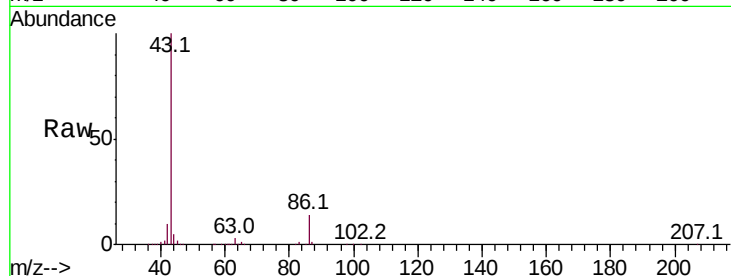
VSTDCCC050EC

Tot Ion: 43 Resp: 771962

Ion Ratio Lower Upper

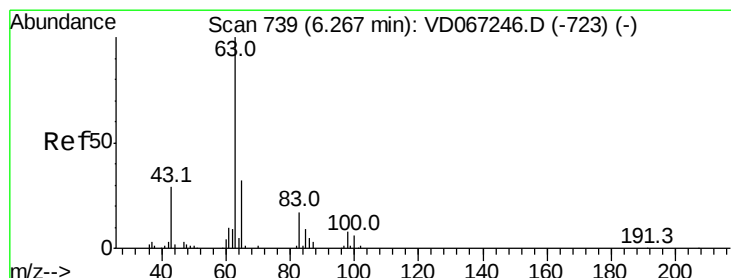
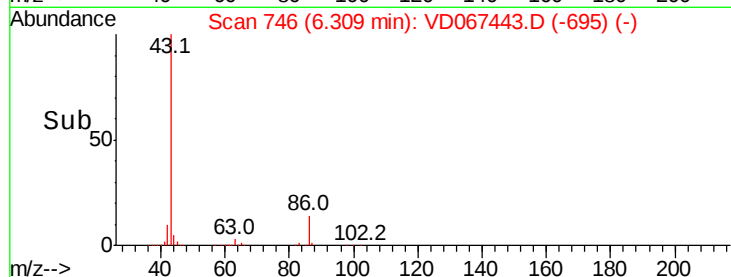
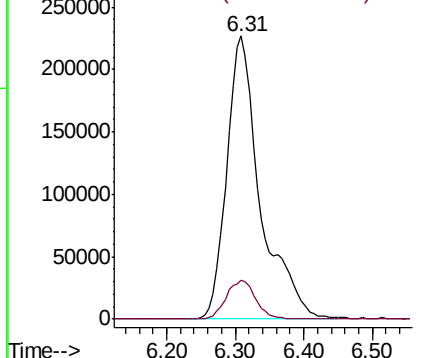
43 100

86 13.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.286 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

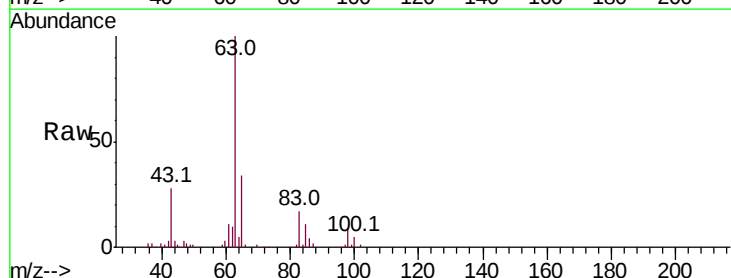
Tgt Ion: 63 Resp: 216004

Ion Ratio Lower Upper

63 100

98 9.2 4.0 12.2

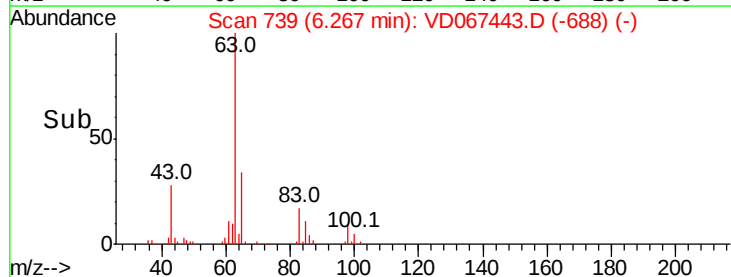
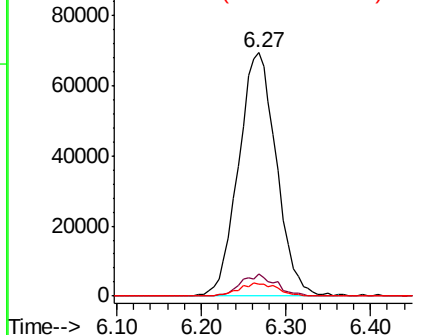
100 4.9 2.8 8.4

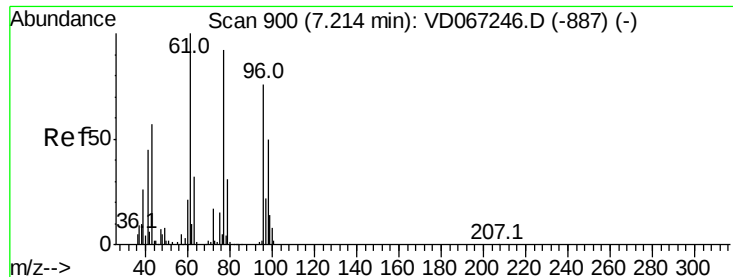


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 250.635 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

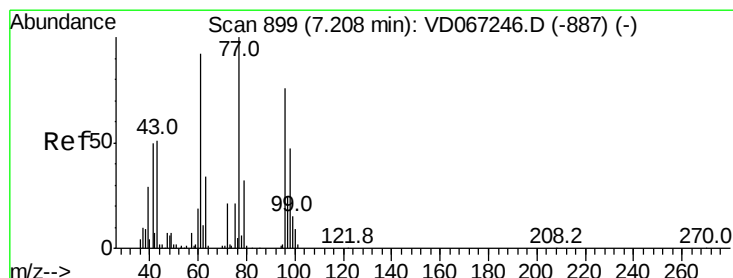
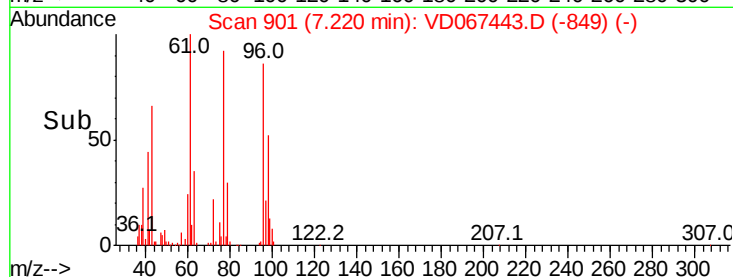
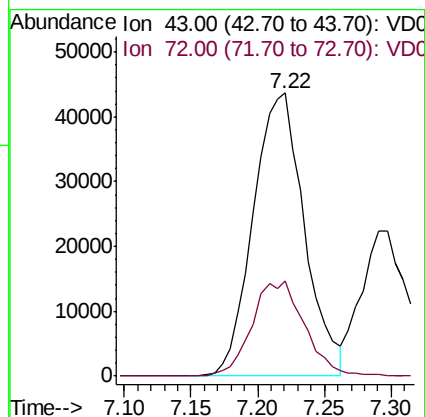
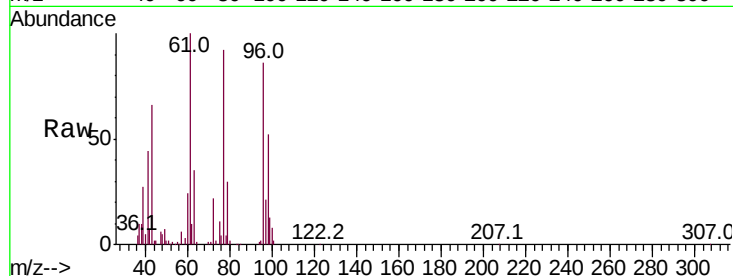
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 116506

Ion Ratio Lower Upper

43 100

72 33.5 23.7 35.5



#26

2,2-Dichloropropane

Concen: 46.507 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067443.D

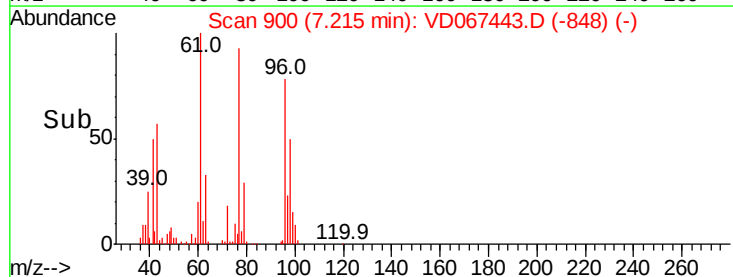
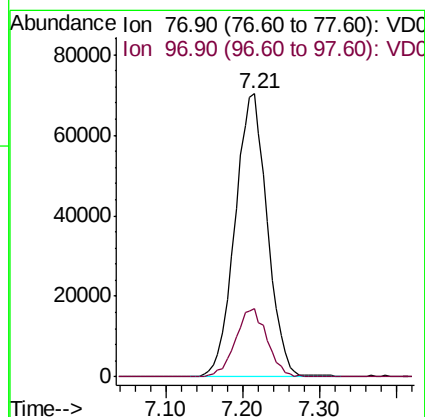
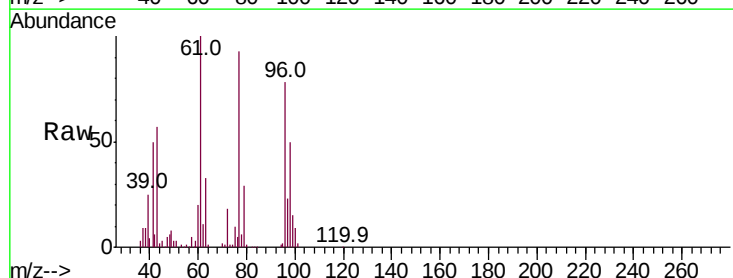
Acq: 28 Oct 2020 19:41

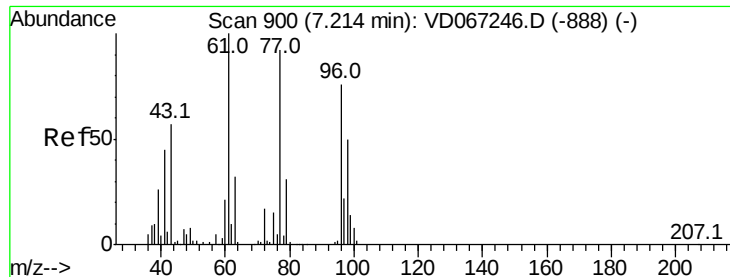
Tgt Ion: 77 Resp: 205909

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.2



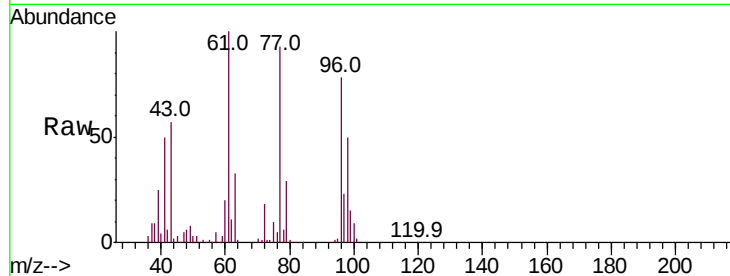


#27

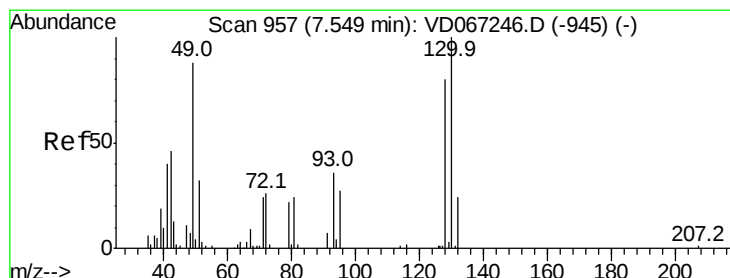
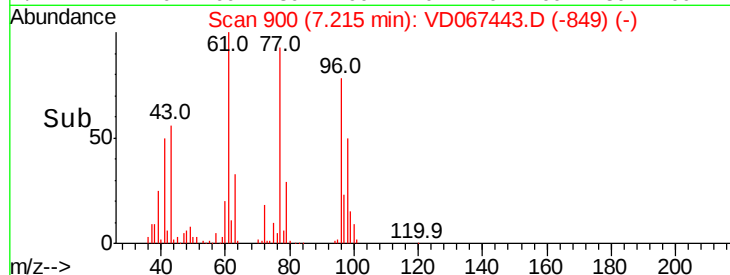
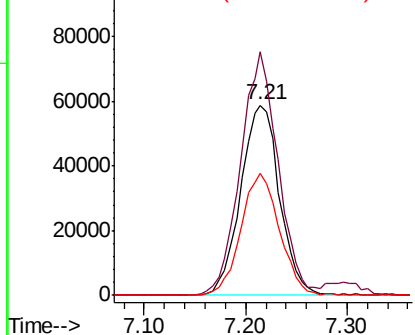
cis-1,2-Dichloroethene
Concen: 51.675 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 156333
Ion Ratio Lower Upper
96 100
61 123.8 0.0 255.4
98 63.7 0.0 128.0



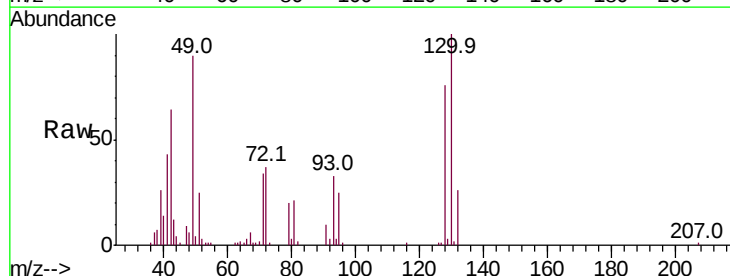
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



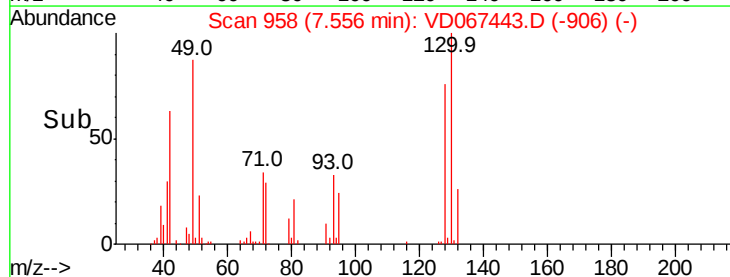
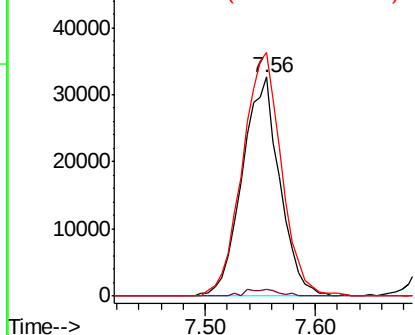
#28

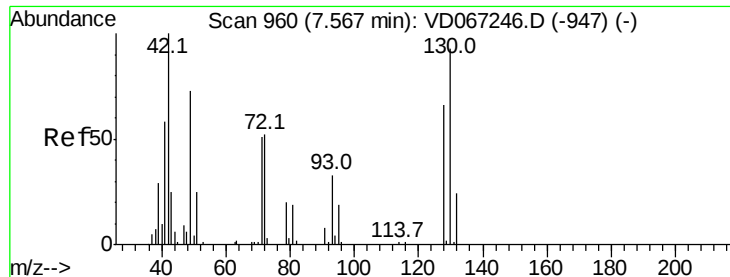
Bromochloromethane
Concen: 53.037 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 49 Resp: 77707
Ion Ratio Lower Upper
49 100
129 1.4 0.0 1.6
130 115.9 91.0 136.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

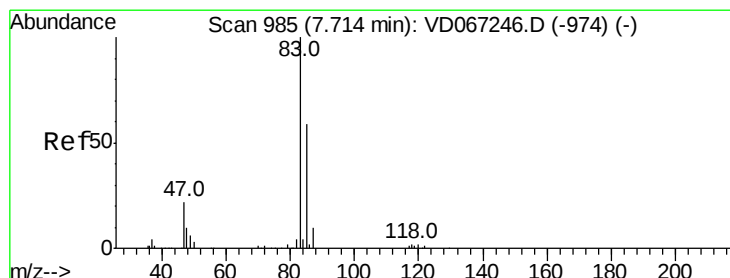
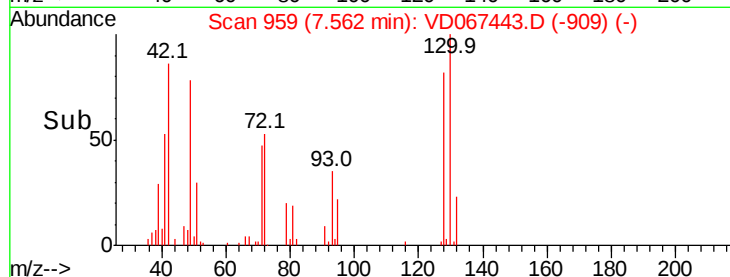
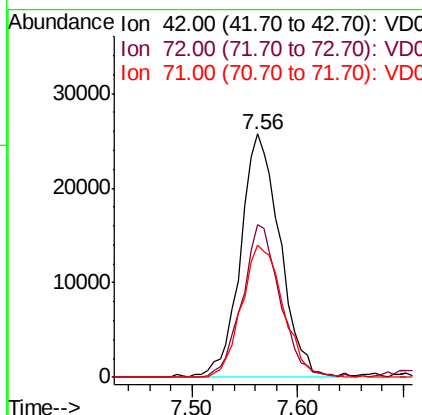
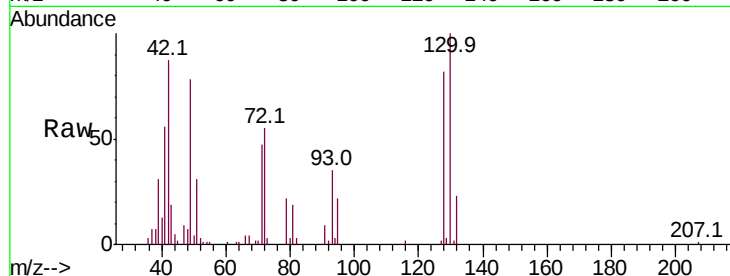




#29
Tetrahydrofuran
Concen: 257.910 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

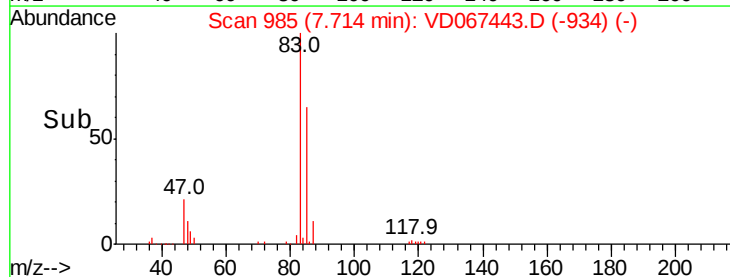
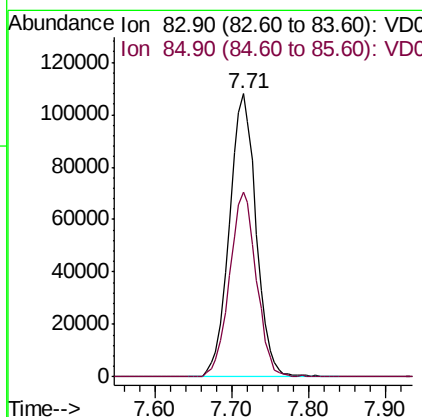
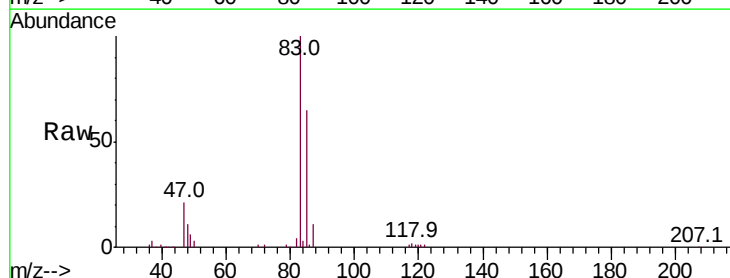
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

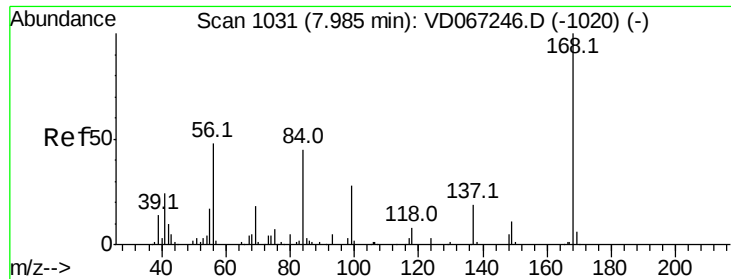
Tot Ion: 42 Resp: 66643
Ion Ratio Lower Upper
42 100
72 60.3 43.2 64.8
71 57.0 39.4 59.0



#30
Chloroform
Concen: 51.141 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 83 Resp: 262422
Ion Ratio Lower Upper
83 100
85 65.3 47.3 70.9

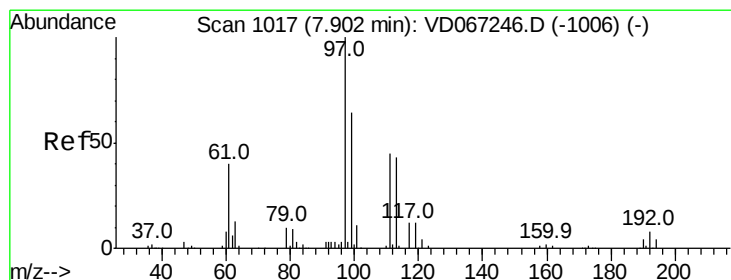
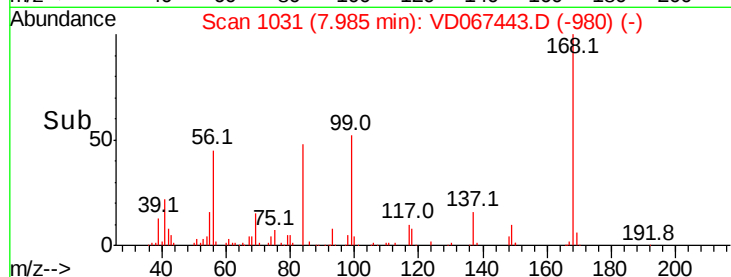
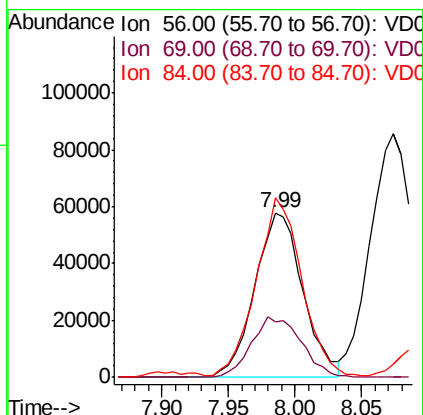
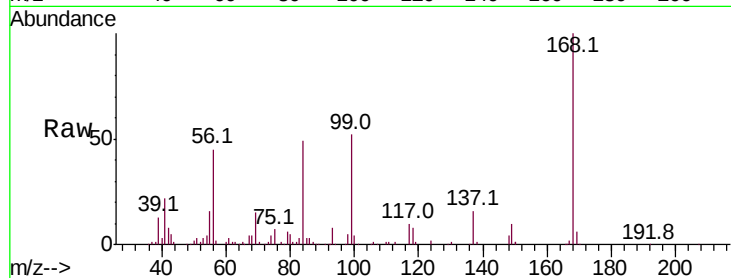




#31
Cyclohexane
Concen: 43.197 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

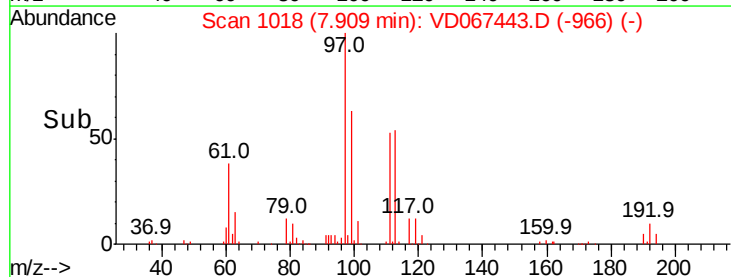
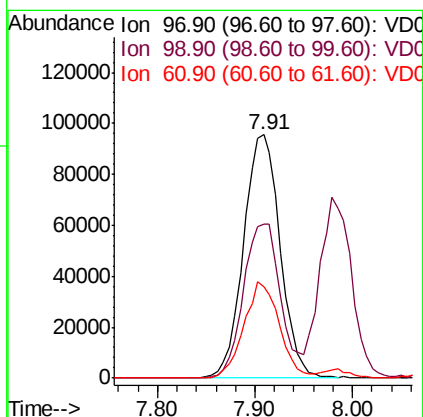
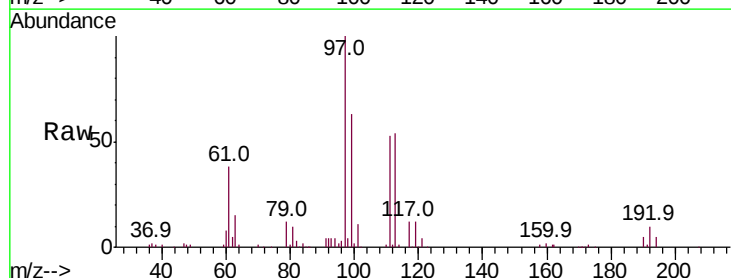
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

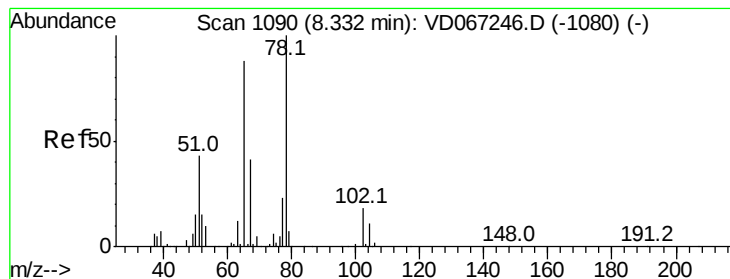
Tot Ion: 56 Resp: 144872
Ion Ratio Lower Upper
56 100
69 33.7 29.8 44.6
84 106.7 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 49.532 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 97 Resp: 249379
Ion Ratio Lower Upper
97 100
99 65.0 50.2 75.4
61 38.1 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 50.430 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

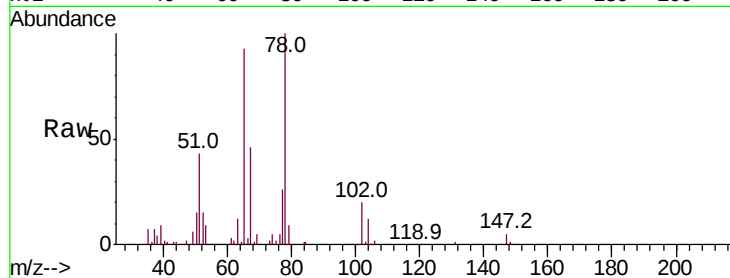
VSTDCCC050EC

Tot Ion: 65 Resp: 146840

Ion Ratio Lower Upper

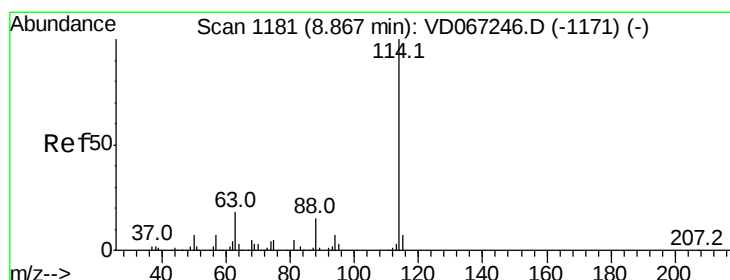
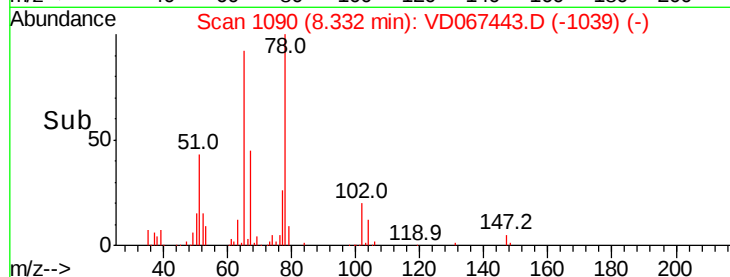
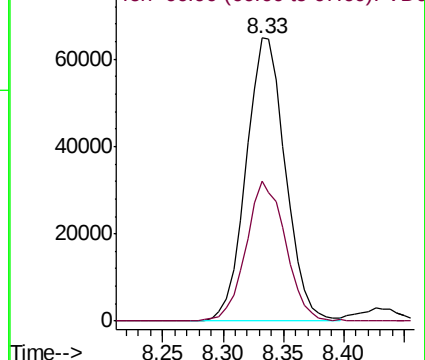
65 100

67 49.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

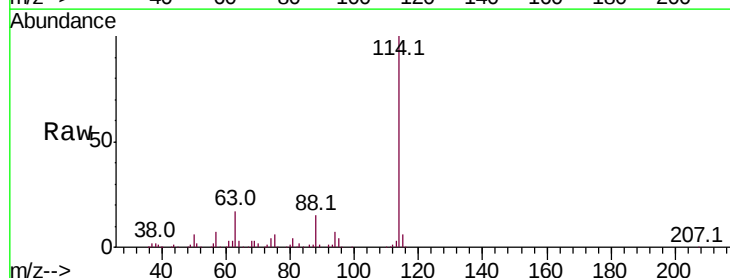
Tgt Ion: 114 Resp: 433875

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

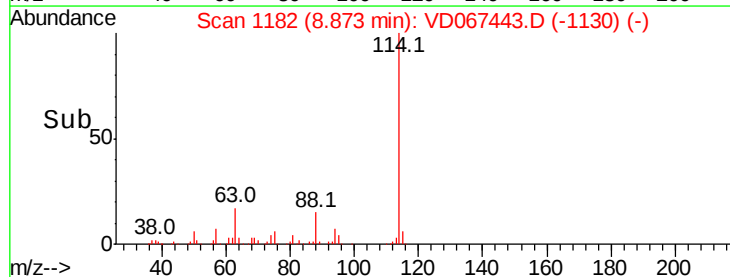
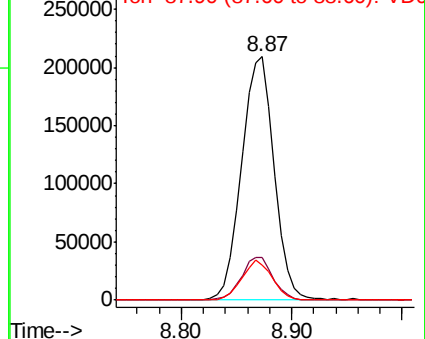
88 14.5 0.0 30.6

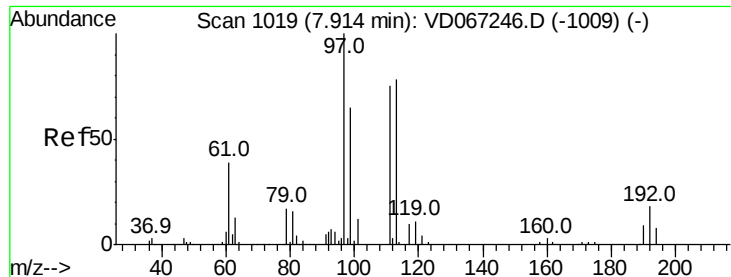


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

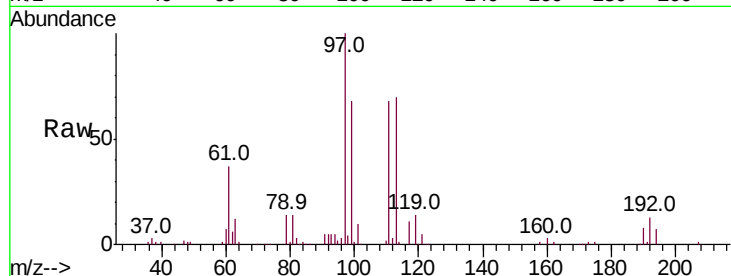




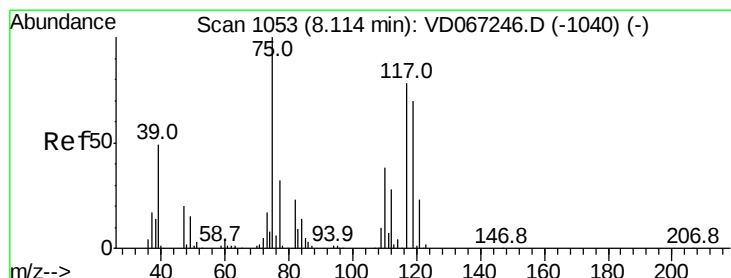
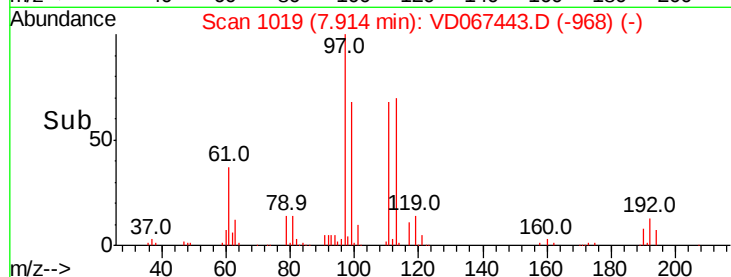
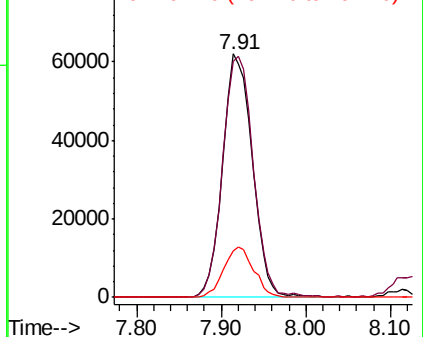
#35
 Dibromofluoromethane
 Concen: 52.349 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 151156
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.6 122.4
 192 20.6 17.0 25.4

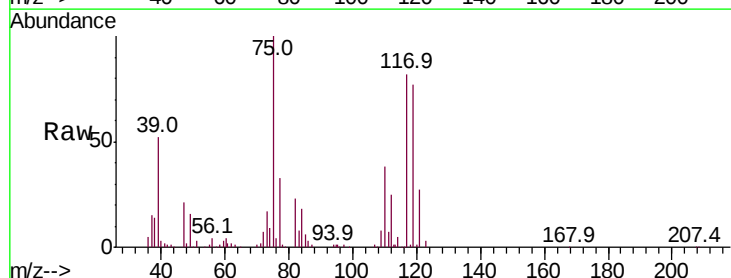


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

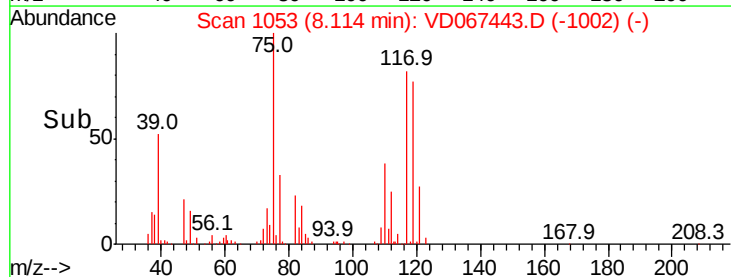
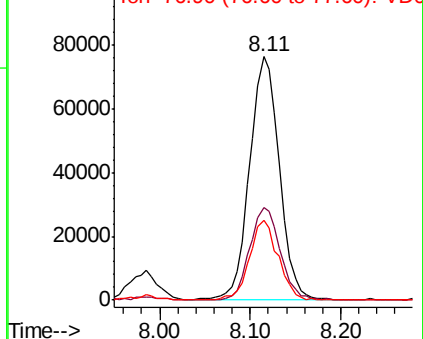


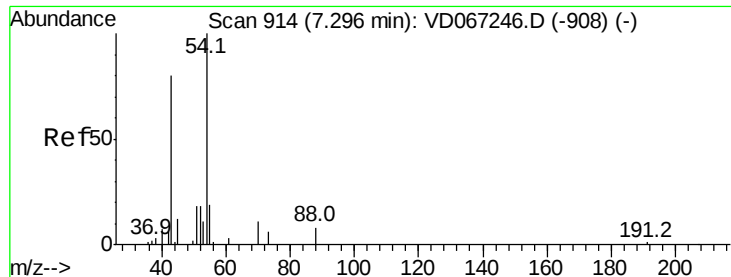
#36
 1,1-Dichloropropene
 Concen: 47.345 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion: 75 Resp: 174105
 Ion Ratio Lower Upper
 75 100
 110 38.7 19.6 58.7
 77 31.4 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#37

Ethyl Acetate

Concen: 51.899 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

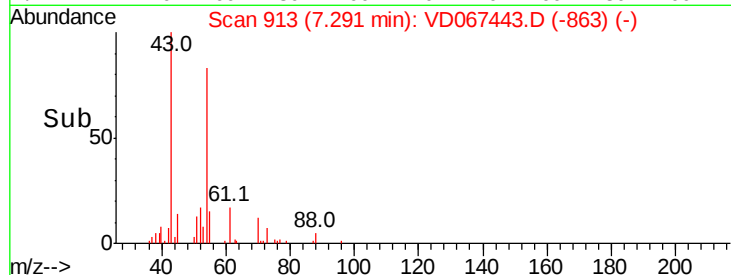
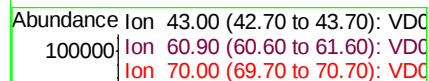
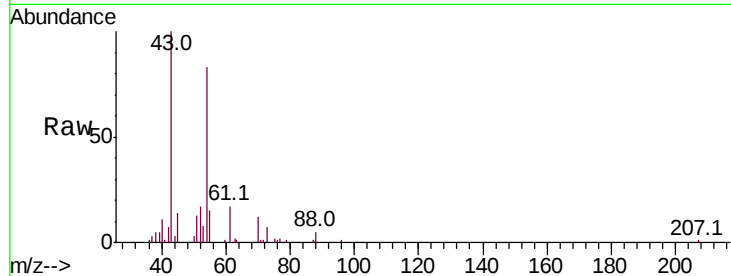
Tot Ion: 43 Resp: 56152

Ion Ratio Lower Upper

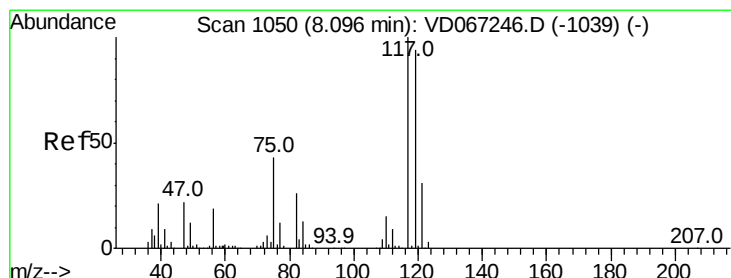
43 100

61 17.1 15.6 23.4

70 13.4 10.4 15.6



Time-->



#38

Carbon Tetrachloride

Concen: 49.335 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

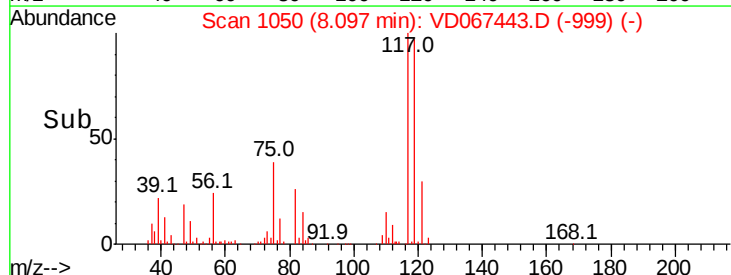
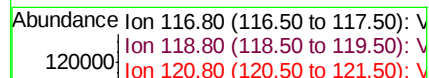
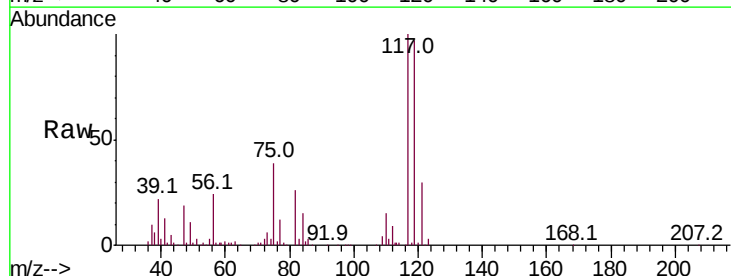
Tgt Ion: 117 Resp: 231877

Ion Ratio Lower Upper

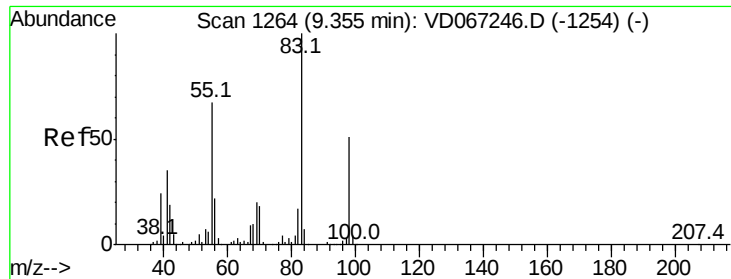
117 100

119 97.0 75.0 112.4

121 30.4 24.9 37.3



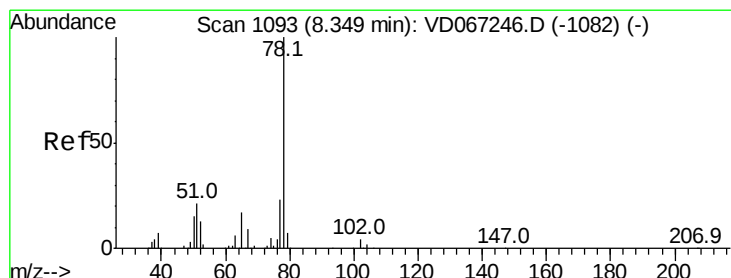
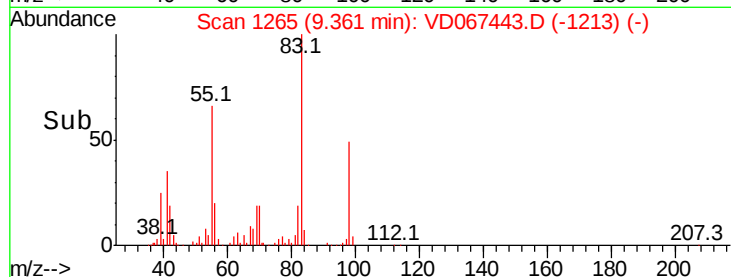
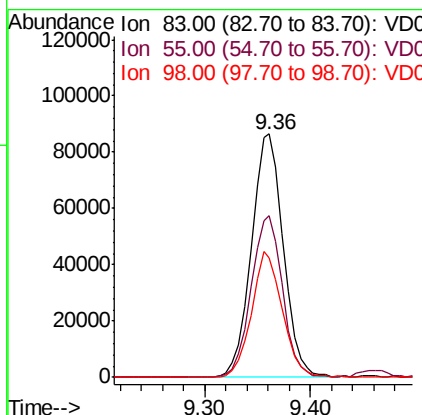
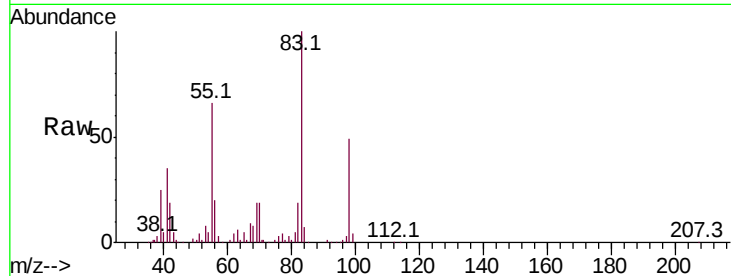
Time-->



#39
Methvlcvclohexane
Concen: 47.213 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

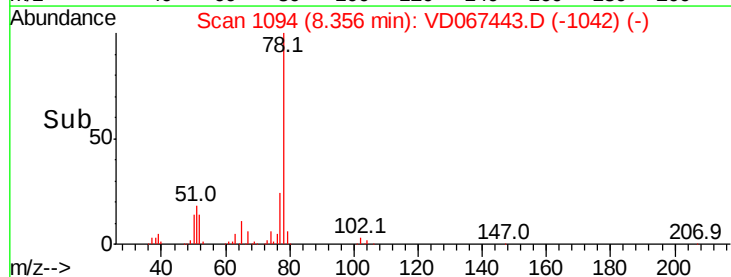
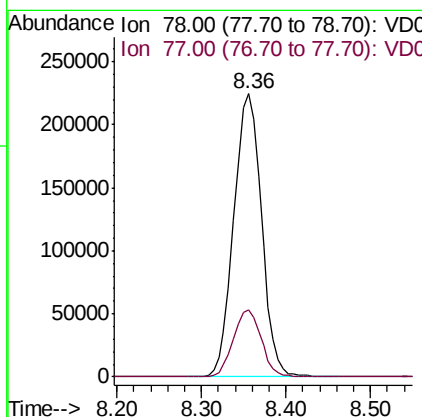
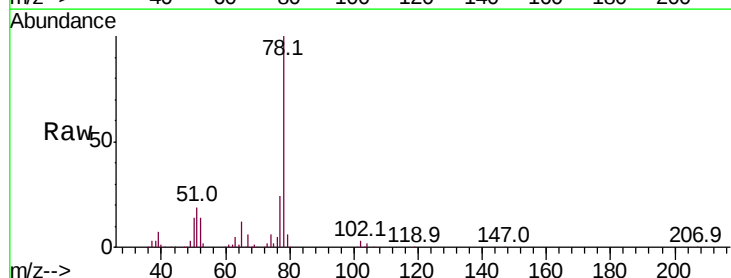
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

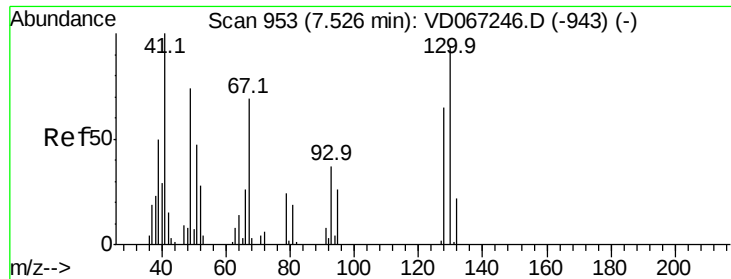
Tot Ion	83	Resp	181507
Ion Ratio	100	Lower	Upper
55	66.2	53.3	79.9
98	49.3	41.0	61.4



#40
Benzene
Concen: 50.560 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	78	Resp	510072
Ion Ratio	100	Lower	Upper
77	23.7	18.3	27.5

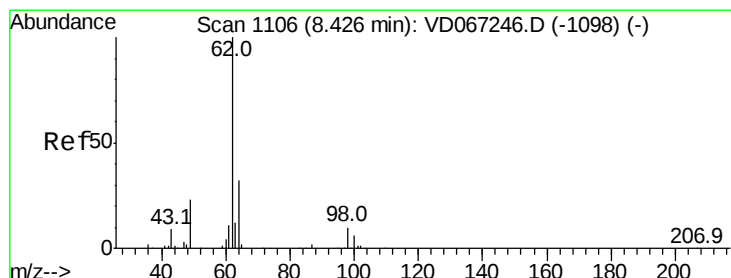
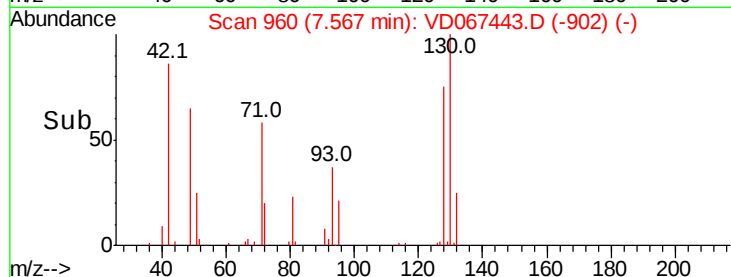
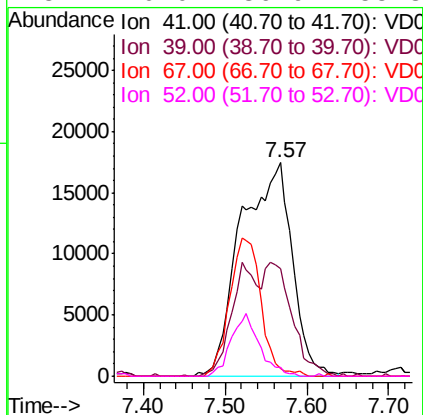
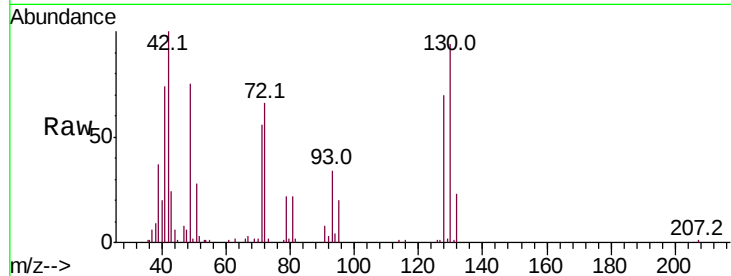




#41
Methacrylonitrile
Concen: 130.010 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

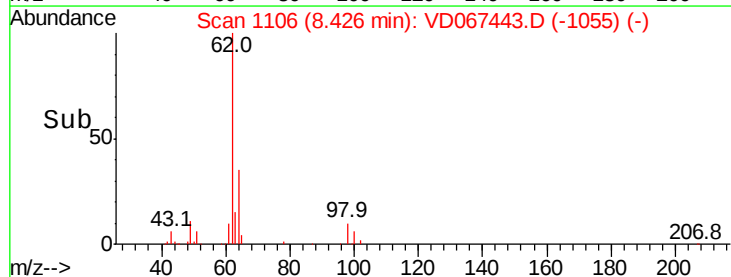
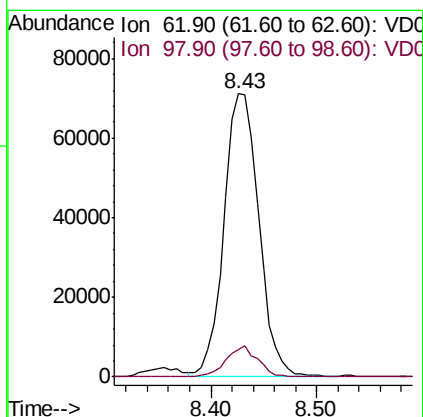
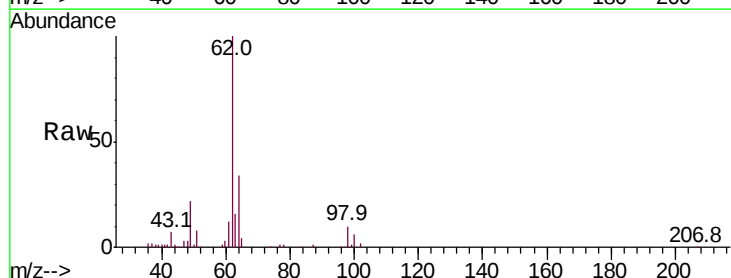
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

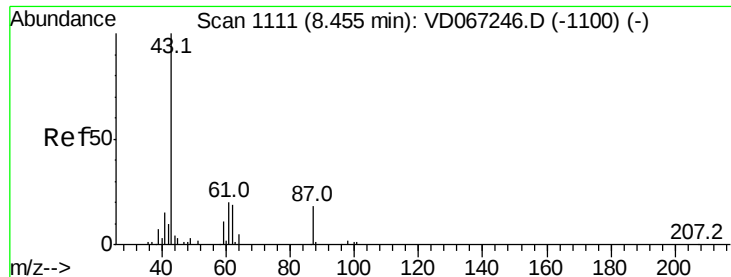
Tot Ion: 41 Resp: 76013
Ion Ratio Lower Upper
41 100
39 28.6 60.0 90.0#
67 0.0 88.9 133.3#
52 0.0 36.9 55.3#



#42
1,2-Dichloroethane
Concen: 51.334 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 62 Resp: 162070
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 52.826 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

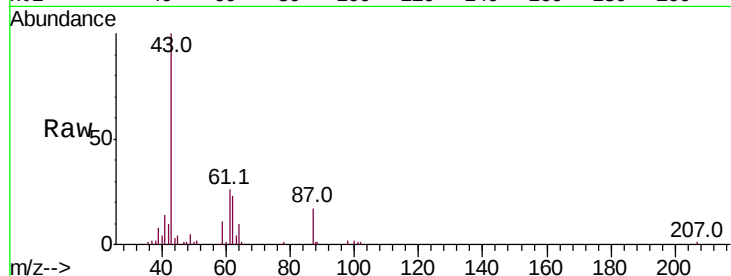
Tot Ion: 43 Resp: 113410

Ion Ratio Lower Upper

43 100

61 37.6 29.5 44.3

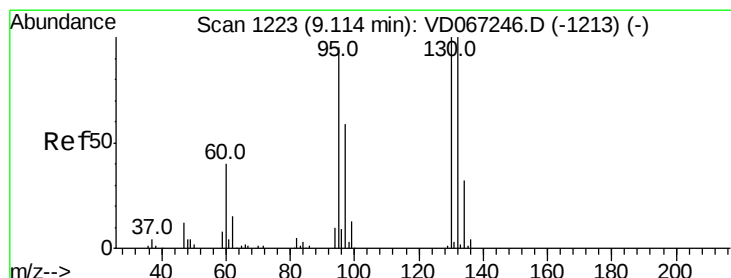
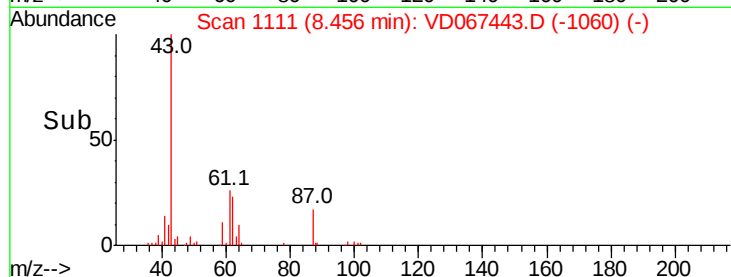
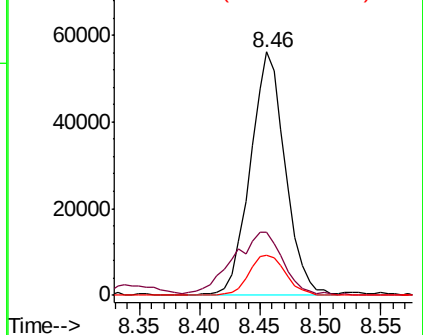
87 17.2 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.388 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067443.D

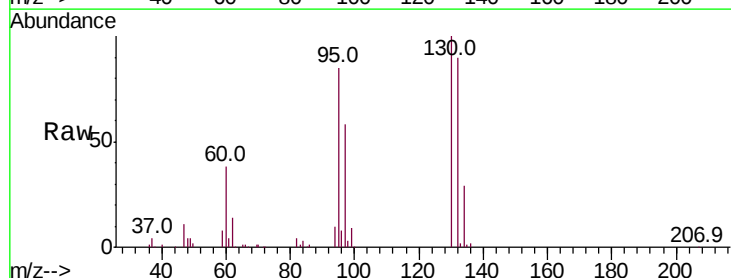
Acq: 28 Oct 2020 19:41

Tgt Ion:130 Resp: 159527

Ion Ratio Lower Upper

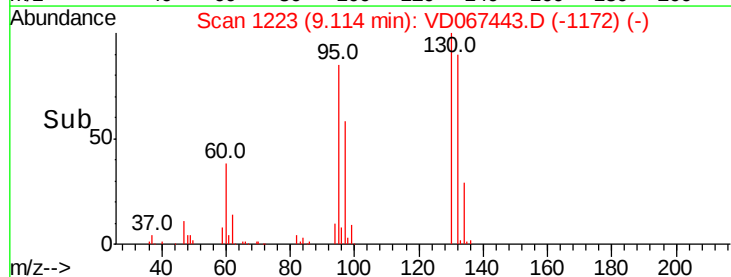
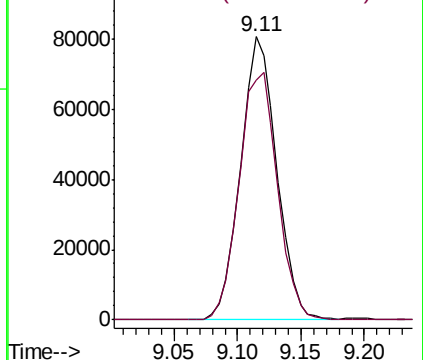
130 100

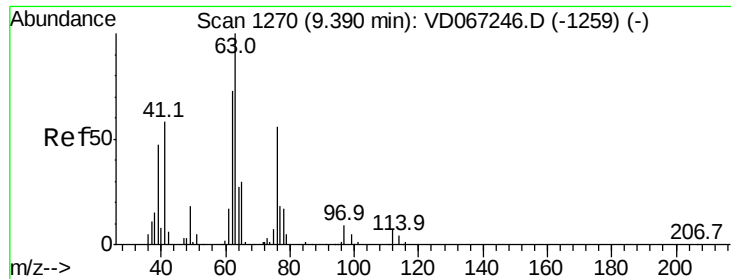
95 84.8 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.905 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

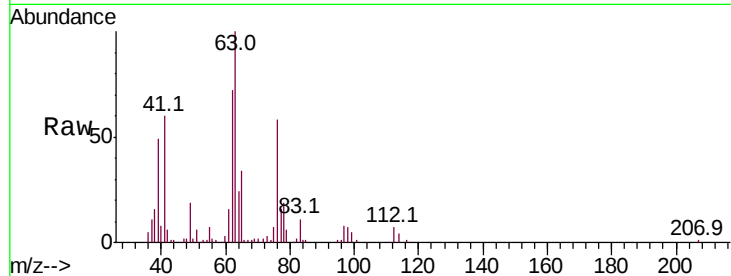
VSTDCCC050EC

Tot Ion: 63 Resp: 119021

Ion Ratio Lower Upper

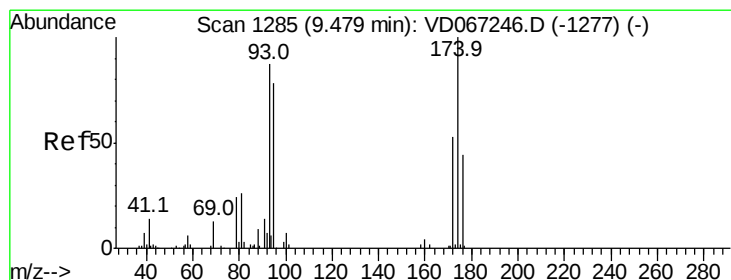
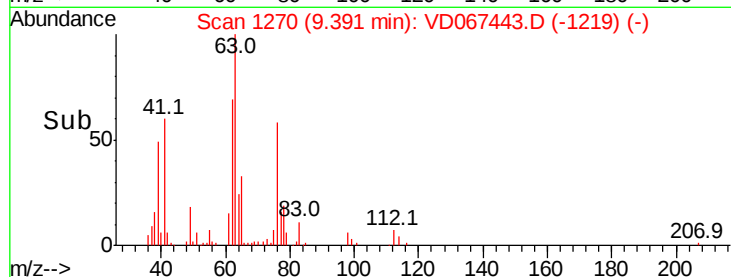
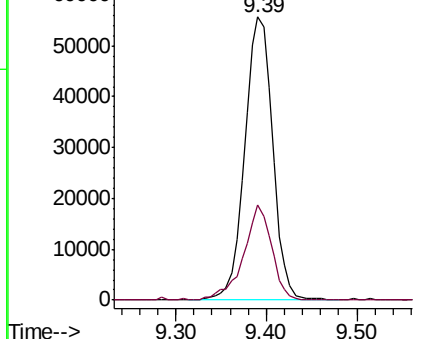
63 100

65 33.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.819 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

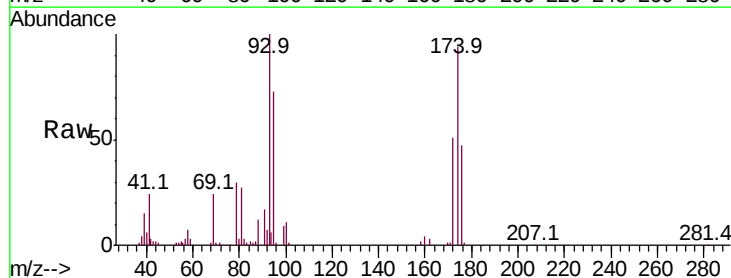
Tgt Ion: 93 Resp: 76944

Ion Ratio Lower Upper

93 100

95 81.7 68.0 102.0

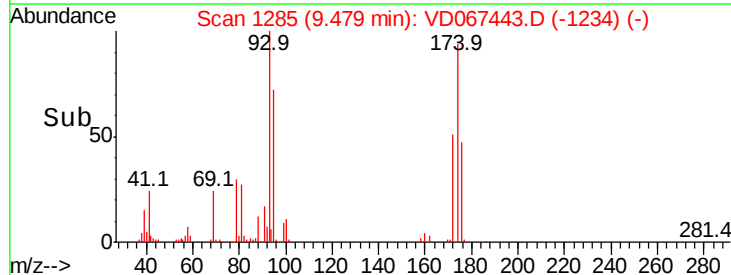
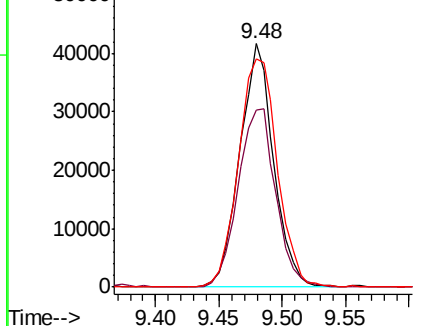
174 108.2 91.8 137.6

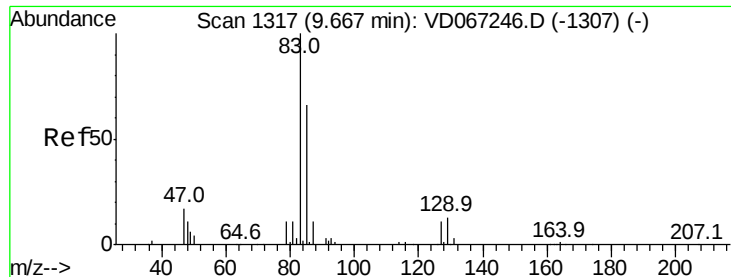


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.494 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

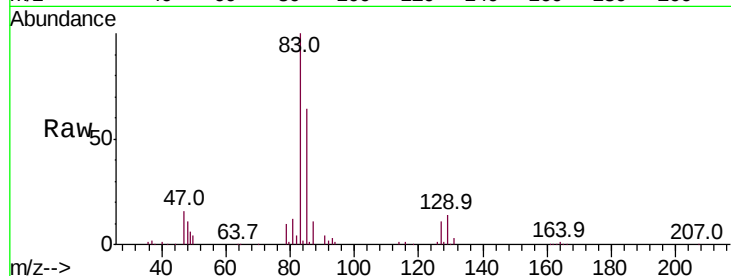
Tot Ion: 83 Resp: 208783

Ion Ratio Lower Upper

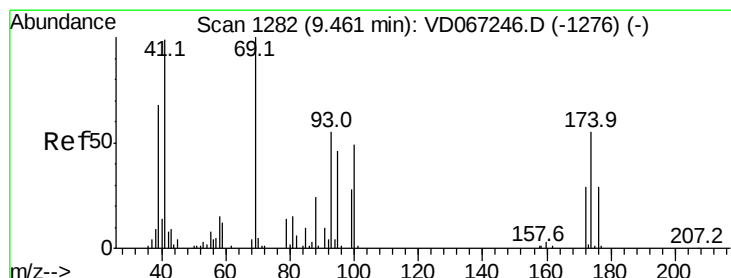
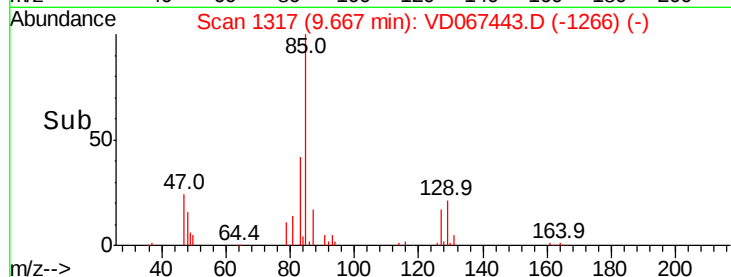
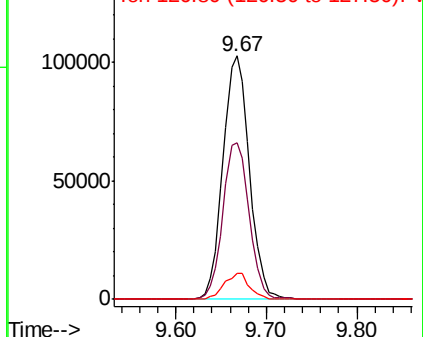
83 100

85 64.4 53.1 79.7

127 10.6 8.6 13.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 56.923 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

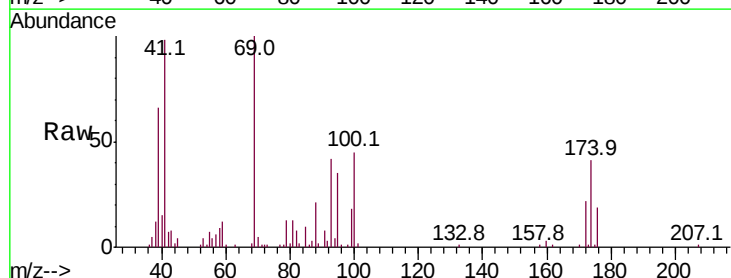
Tgt Ion: 41 Resp: 59388

Ion Ratio Lower Upper

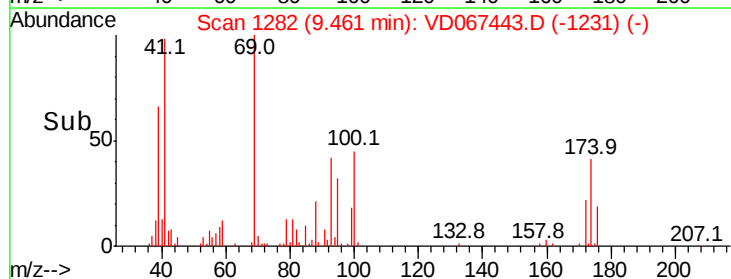
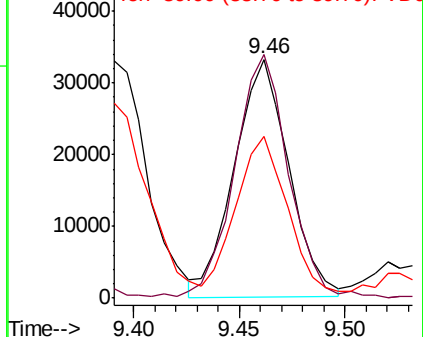
41 100

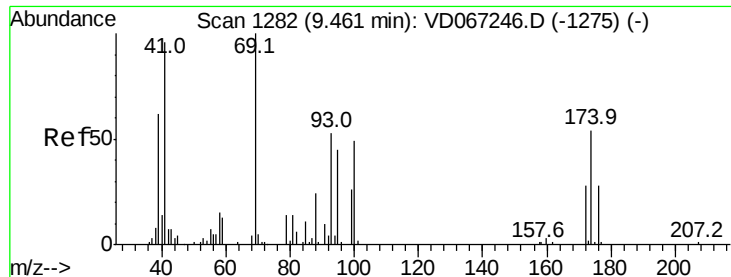
69 101.7 89.0 133.6

39 66.3 60.2 90.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1167.940 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

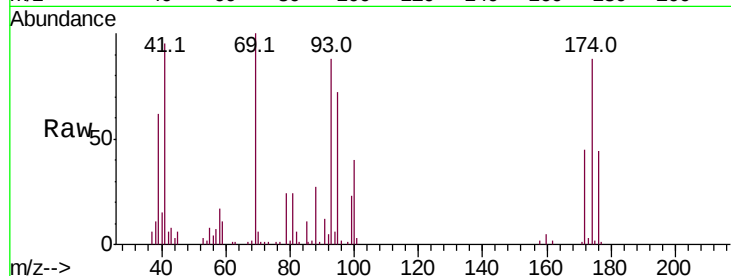
Tot Ion: 88 Resp: 16393

Ion Ratio Lower Upper

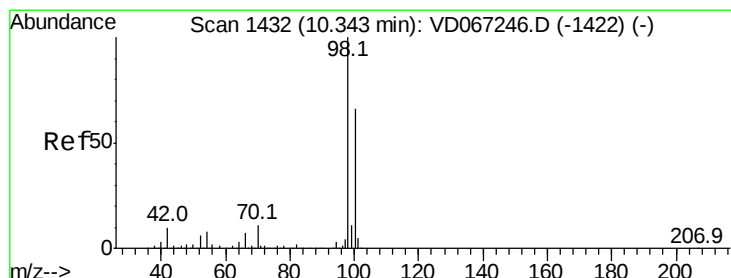
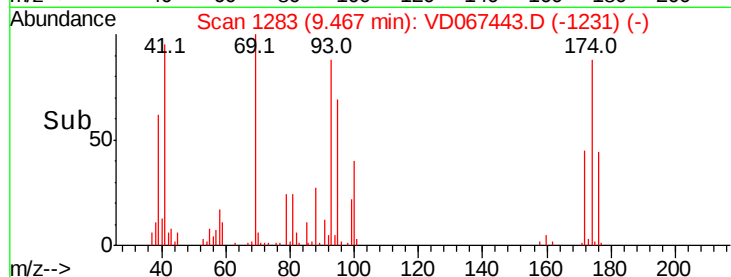
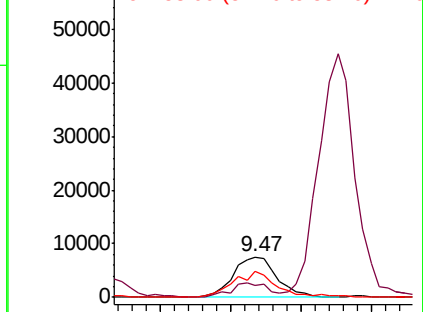
88 100

43 31.0 23.9 35.9

58 64.6 51.0 76.6



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.392 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067443.D

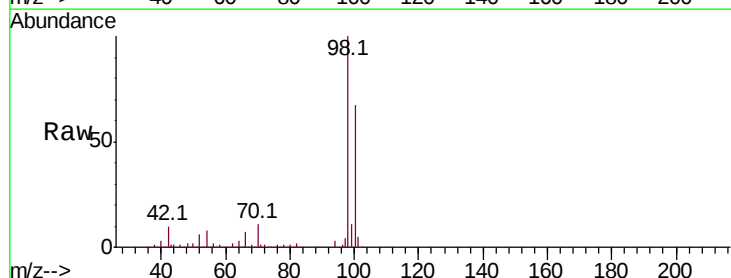
Acq: 28 Oct 2020 19:41

Tgt Ion: 98 Resp: 537020

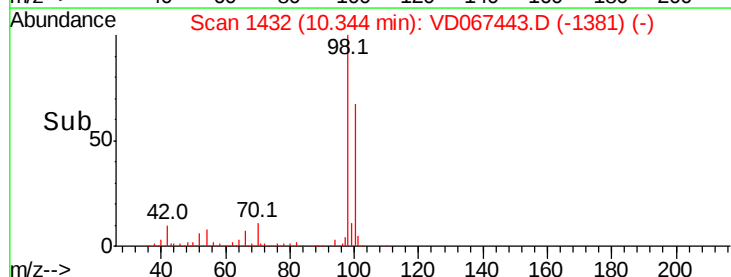
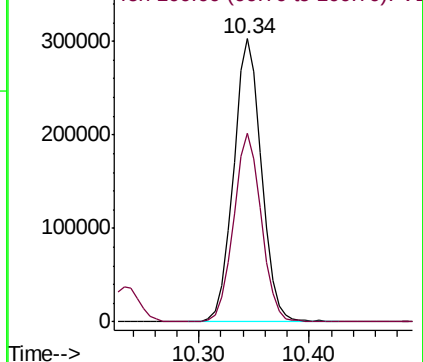
Ion Ratio Lower Upper

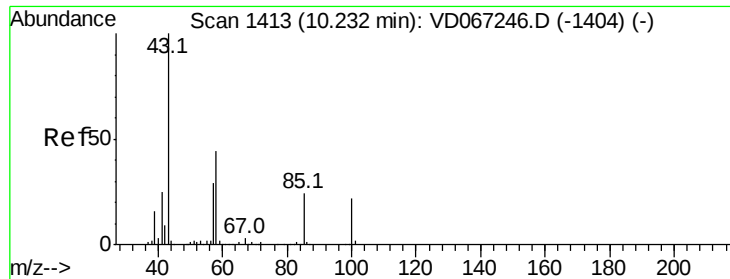
98 100

100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 270.568 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

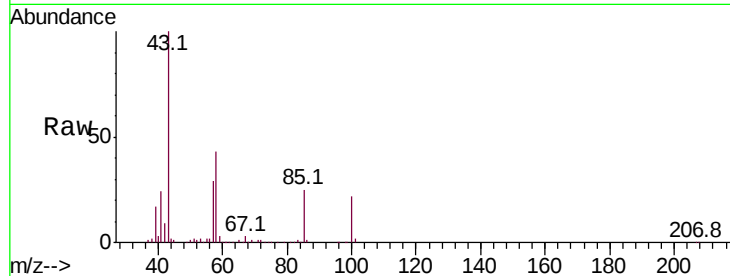
VSTDCCC050EC

Tot Ion: 43 Resp: 289723

Ion Ratio Lower Upper

43 100

58 44.4 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

150000

100000

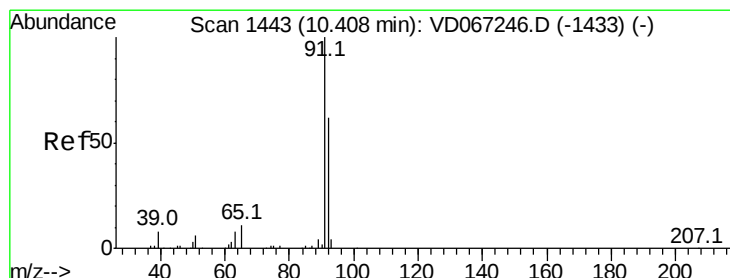
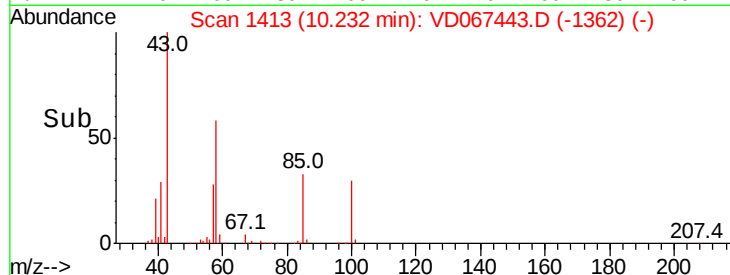
50000

0

Time-->

10.20

10.30



#52

Toluene

Concen: 52.513 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067443.D

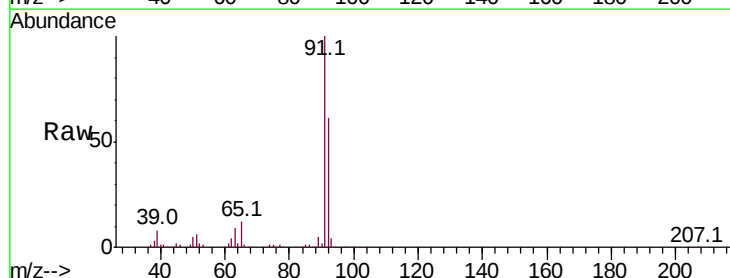
Acq: 28 Oct 2020 19:41

Tgt Ion: 92 Resp: 360830

Ion Ratio Lower Upper

92 100

91 166.5 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

300000

200000

100000

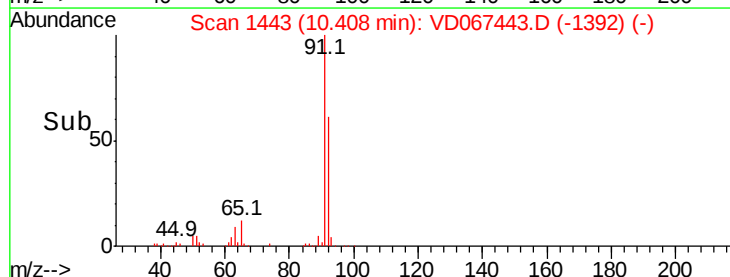
0

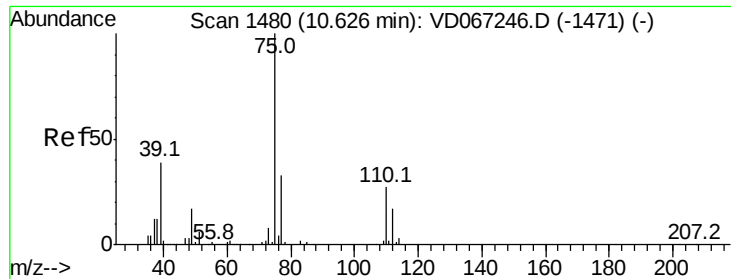
Time-->

10.30

10.40

10.50

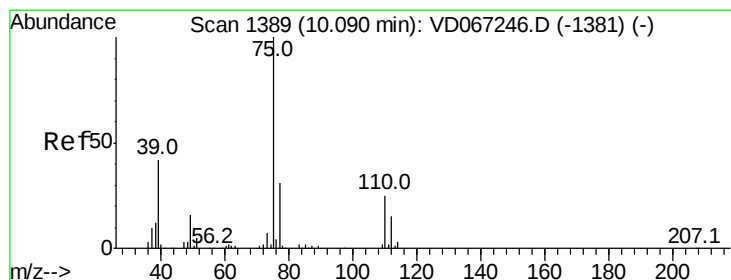
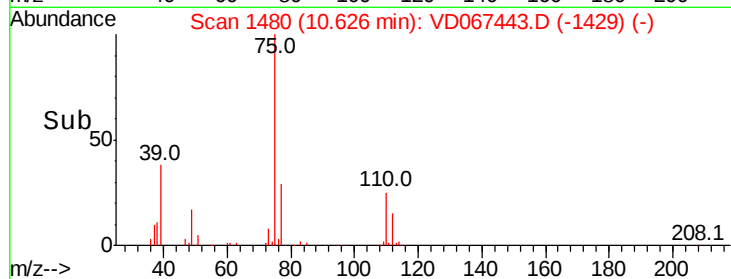
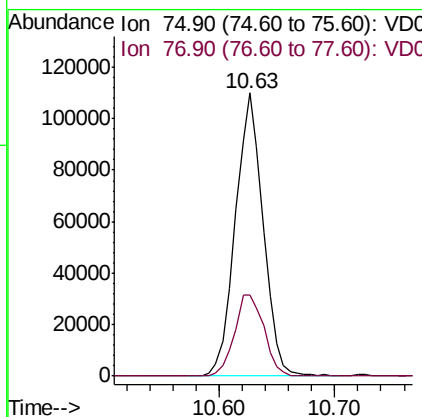
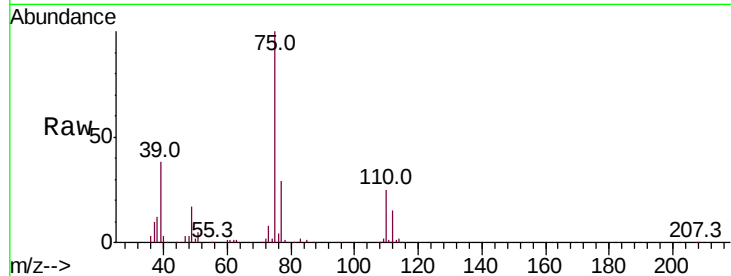




#53
t-1,3-Dichloropropene
Concen: 53.373 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

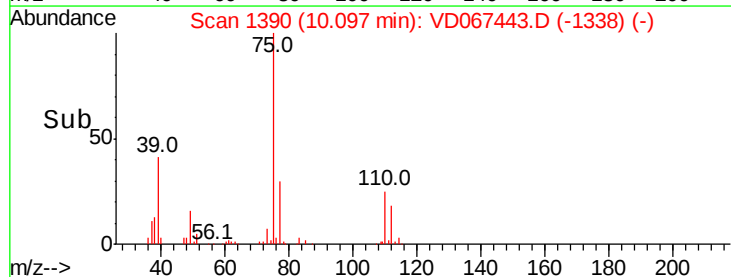
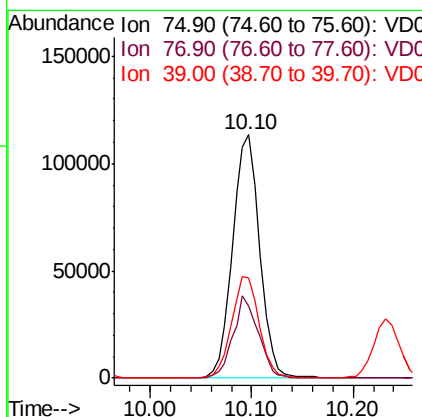
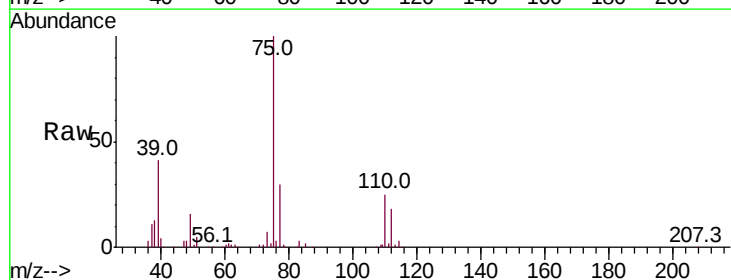
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

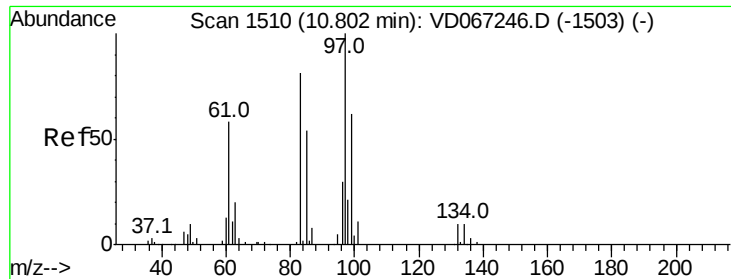
Tot Ion: 75 Resp: 182994
Ion Ratio Lower Upper
75 100
77 28.9 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 52.530 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 75 Resp: 210775
Ion Ratio Lower Upper
75 100
77 29.8 24.5 36.7
39 41.1 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 53.223 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 105726

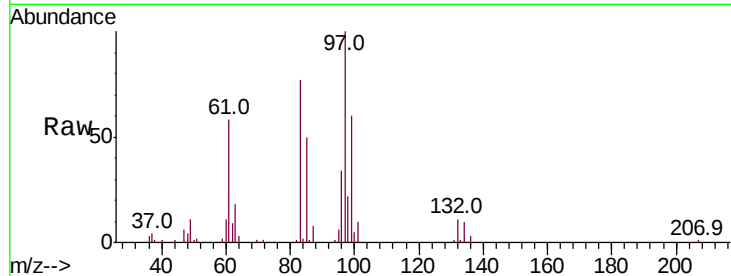
Ion Ratio Lower Upper

97 100

83 77.3 64.9 97.3

85 49.9 43.3 64.9

99 60.0 49.1 73.7



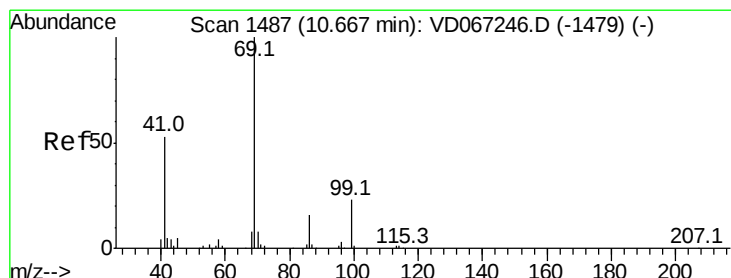
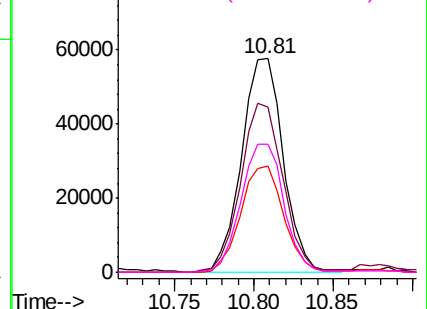
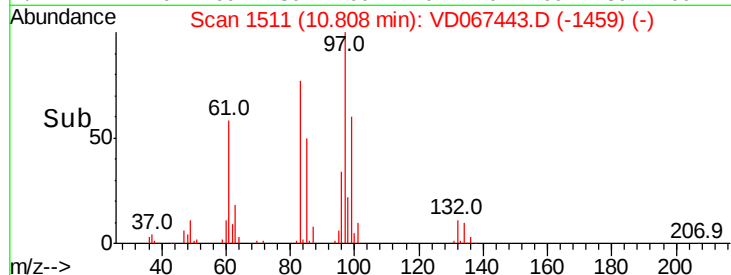
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 55.815 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

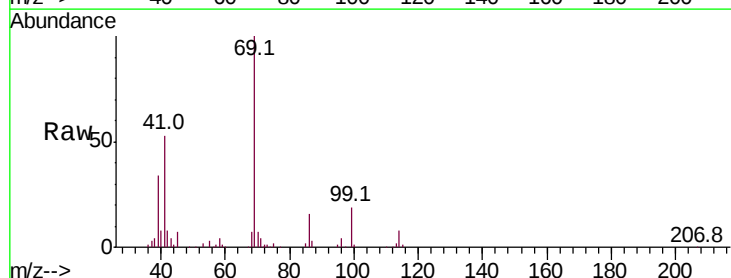
Tgt Ion: 69 Resp: 114990

Ion Ratio Lower Upper

69 100

41 55.5 44.7 67.1

39 32.0 26.2 39.2

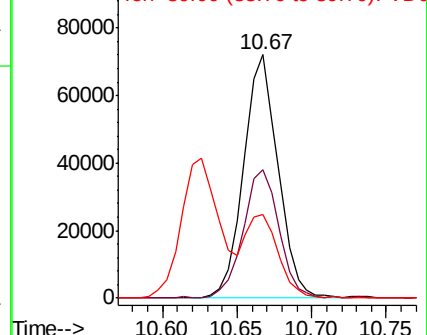
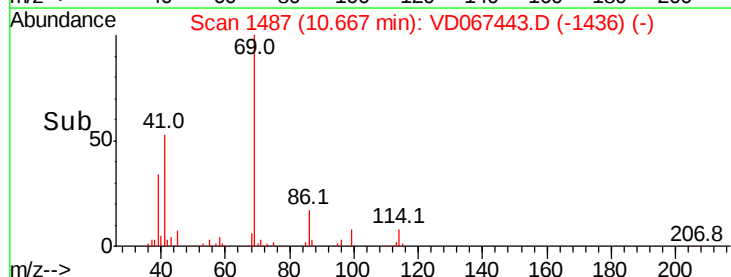


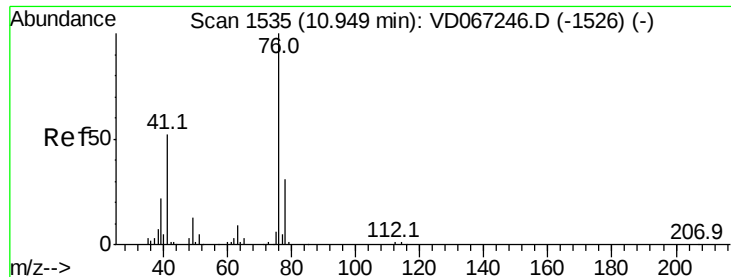
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 53.640 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

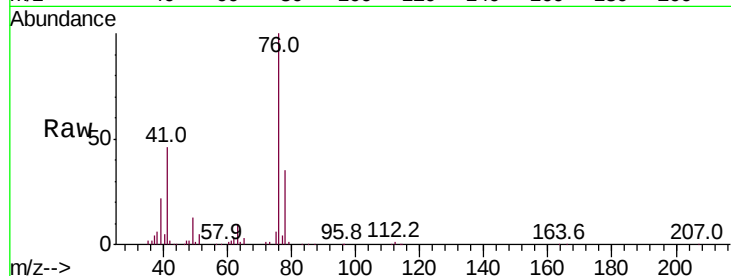
VSTDCCC050EC

Tot Ion: 76 Resp: 169573

Ion Ratio Lower Upper

76 100

78 32.7 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

100000

80000

60000

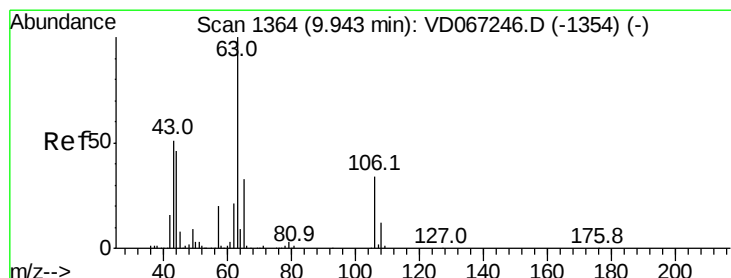
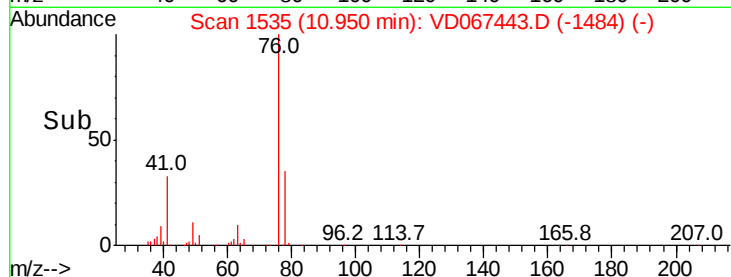
40000

20000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 282.697 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067443.D

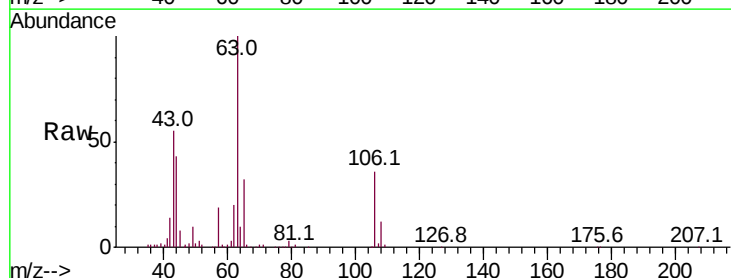
Acq: 28 Oct 2020 19:41

Tgt Ion: 63 Resp: 298775

Ion Ratio Lower Upper

63 100

106 35.5 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

200000

150000

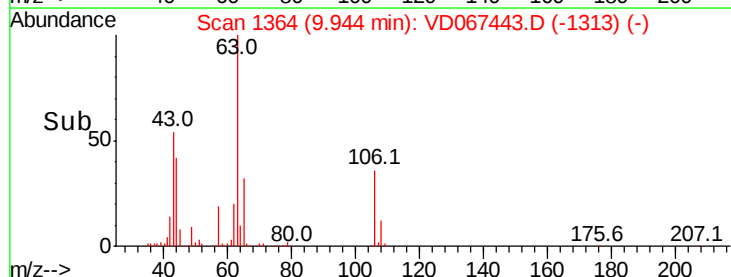
100000

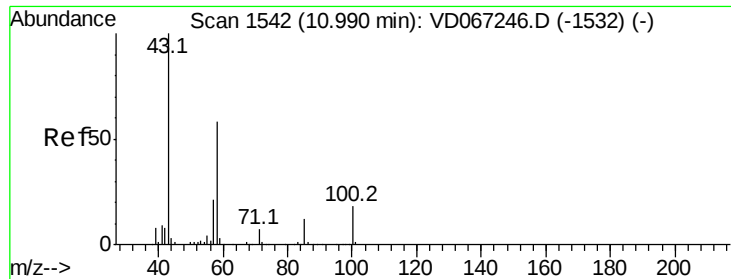
50000

0

Time-->

9.90 10.00

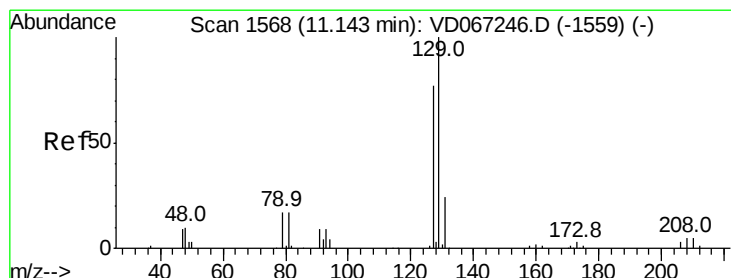
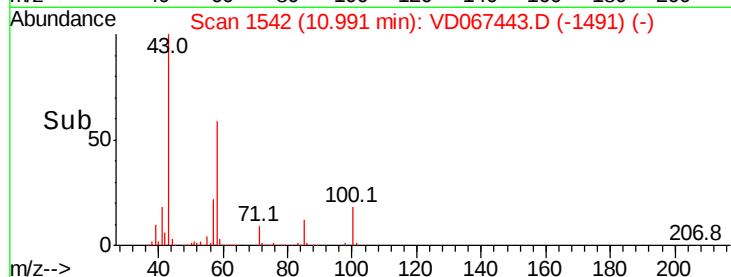
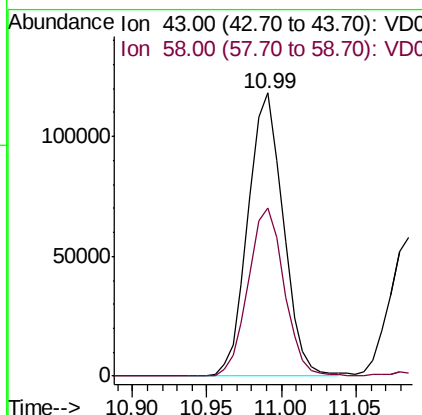
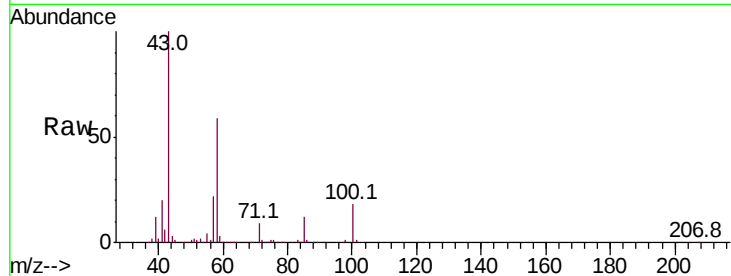




#59
2-Hexanone
Concen: 263.986 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

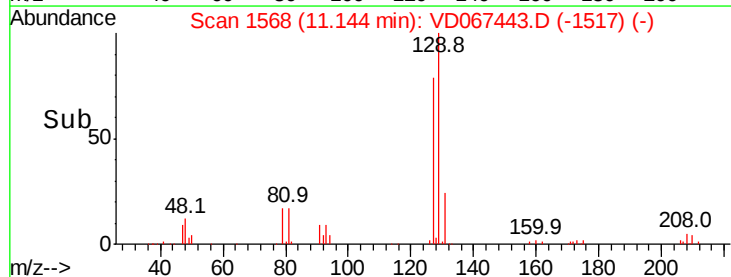
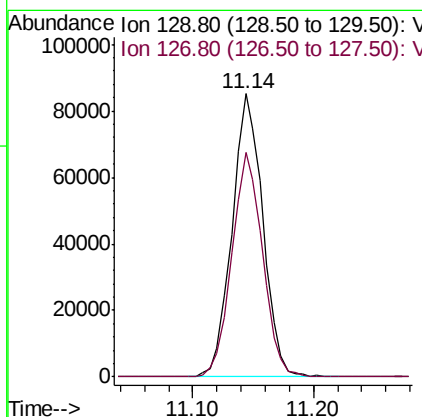
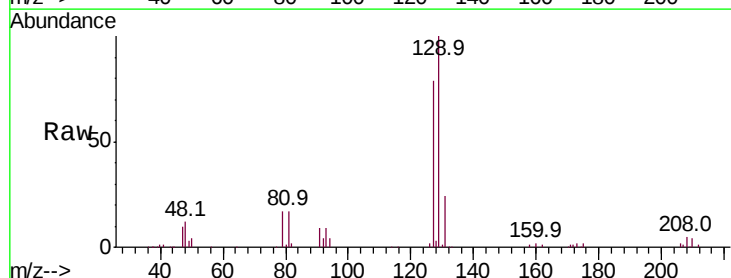
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

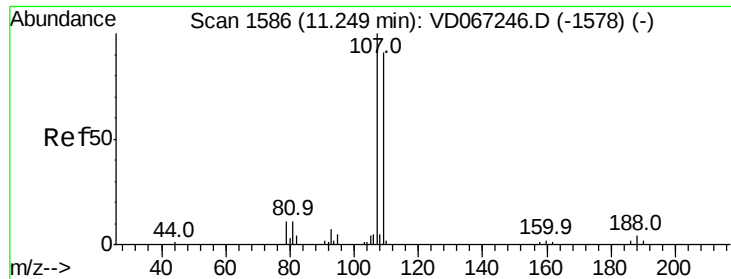
Tot Ion: 43 Resp: 193160
Ion Ratio Lower Upper
43 100
58 60.8 29.3 87.9



#60
Dibromochloromethane
Concen: 52.056 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 129 Resp: 150805
Ion Ratio Lower Upper
129 100
127 79.1 38.3 114.8

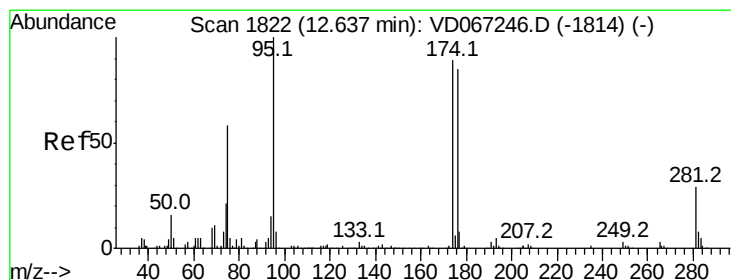
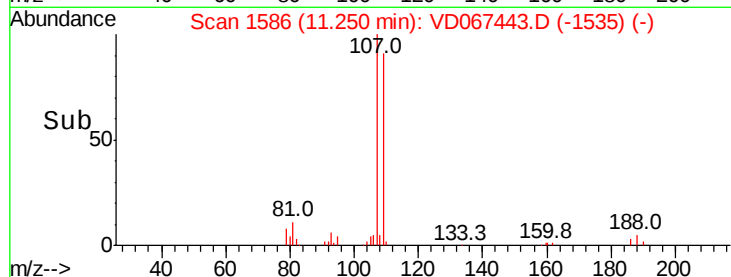
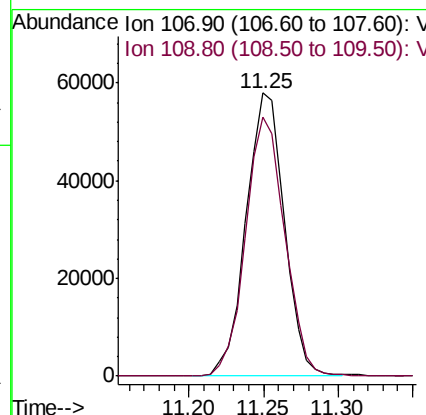
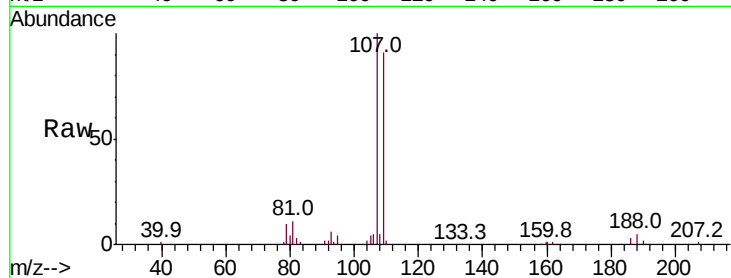




#61
 1,2-Dibromoethane
 Concen: 52.458 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

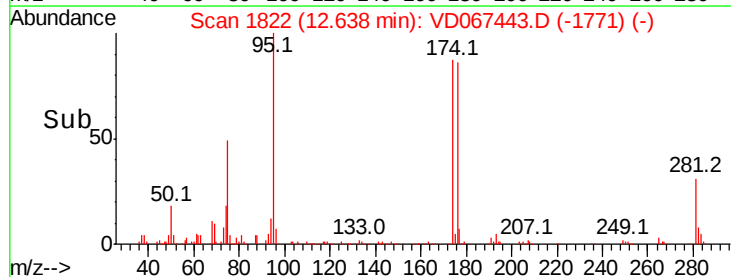
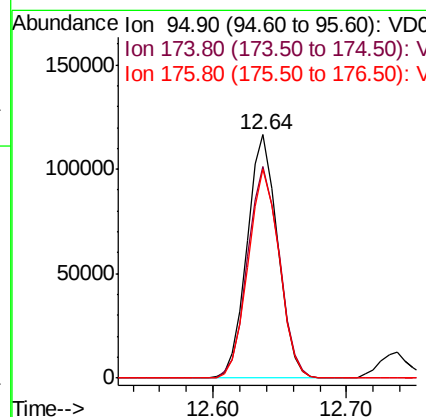
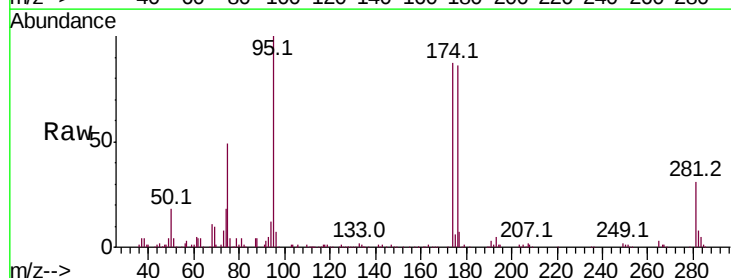
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

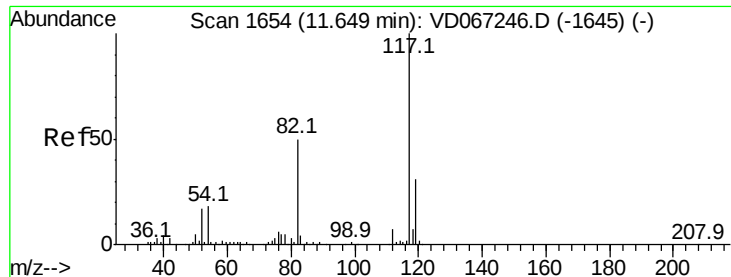
Tot Ion:107 Resp: 102733
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.765 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion: 95 Resp: 184452
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 175.2
 176 87.4 0.0 168.6

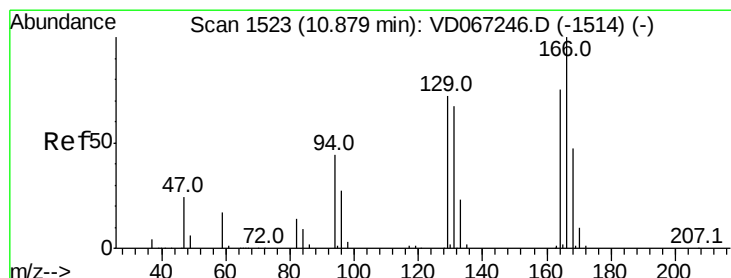
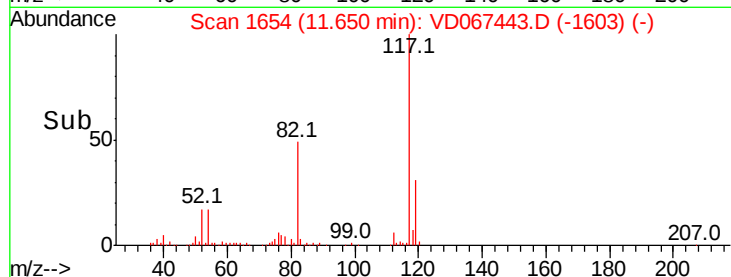
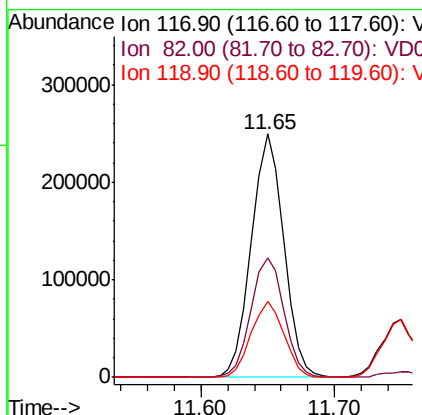
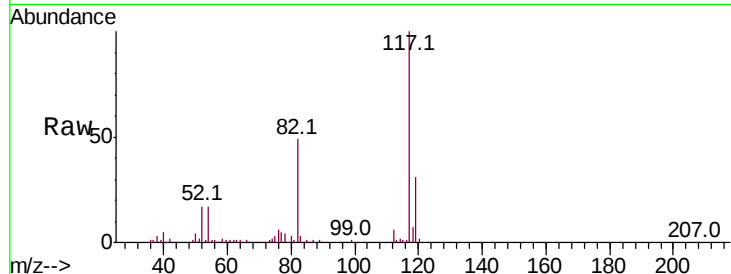




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

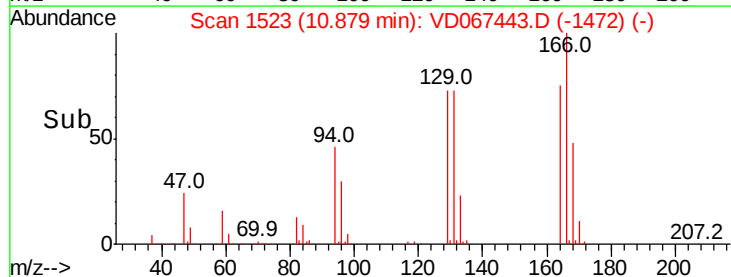
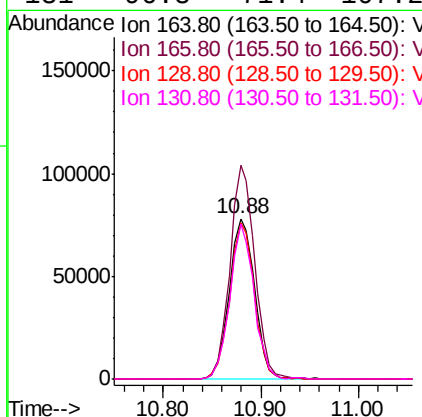
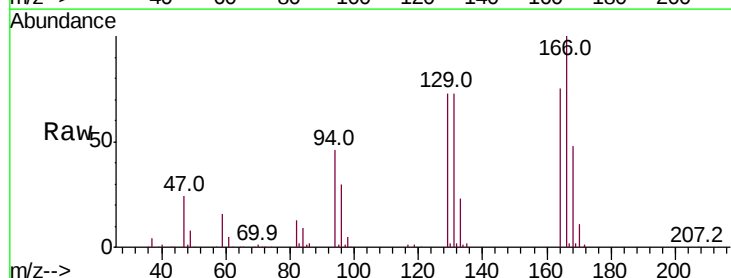
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

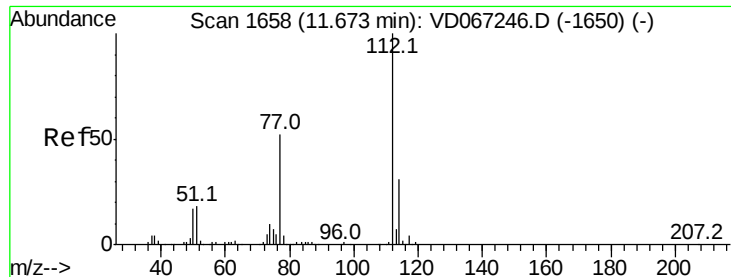
Tot Ion:117 Resp: 419699
Ion Ratio Lower Upper
117 100
82 49.2 39.9 59.9
119 31.1 24.9 37.3



#64
Tetrachloroethene
Concen: 46.449 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion:164 Resp: 141246
Ion Ratio Lower Upper
164 100
166 133.4 107.3 160.9
129 97.9 77.3 115.9
131 96.8 71.4 107.2





#65

Chlorobenzene

Concen: 49.445 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

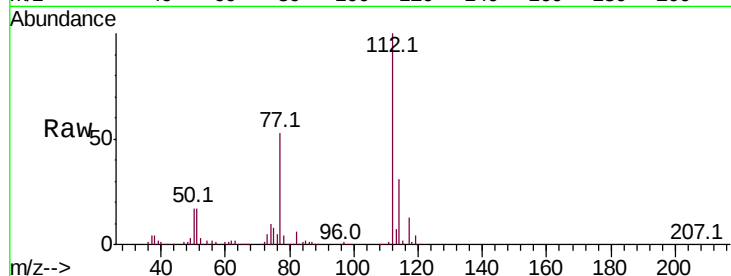
VSTDCCC050EC

Tot Ion:112 Resp: 397944

Ion Ratio Lower Upper

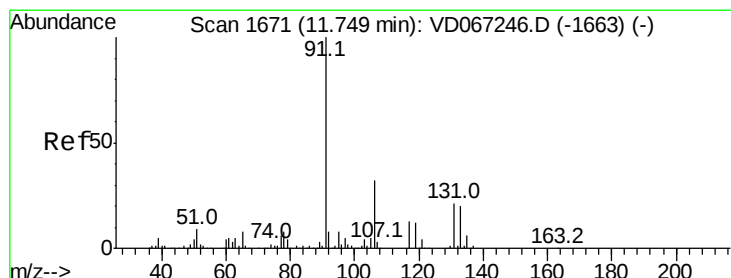
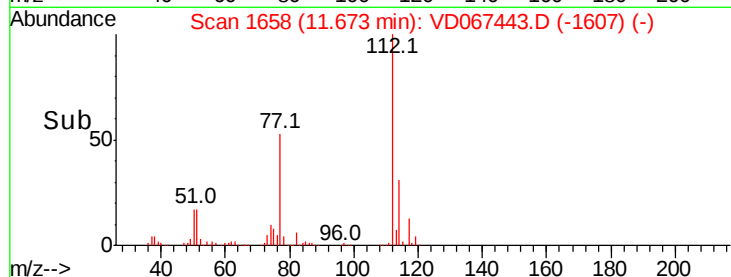
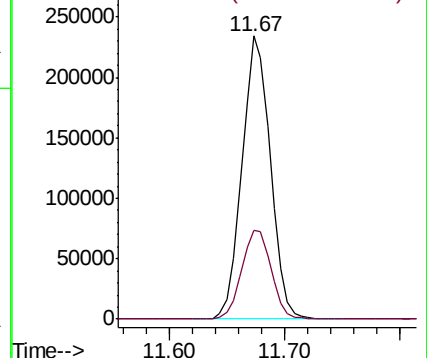
112 100

114 31.4 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.298 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

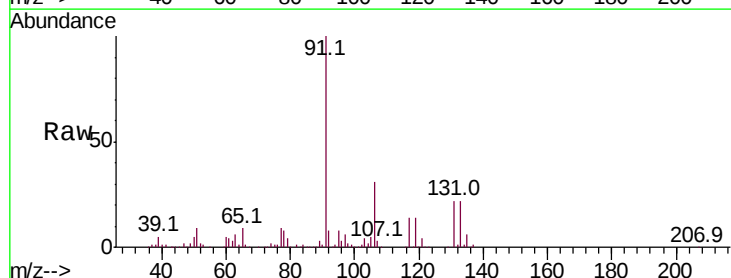
Tgt Ion:131 Resp: 164088

Ion Ratio Lower Upper

131 100

133 97.6 48.1 144.3

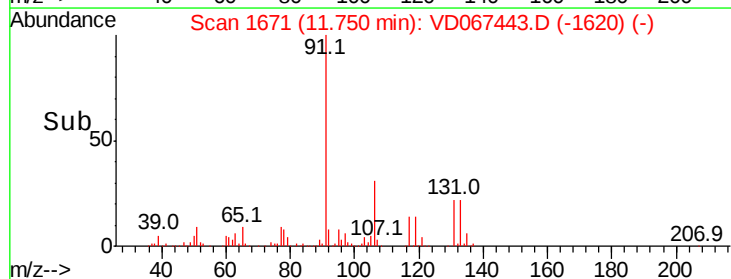
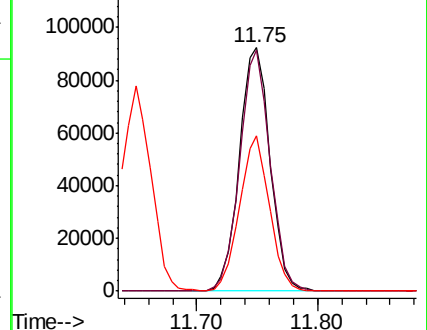
119 61.8 30.0 90.0

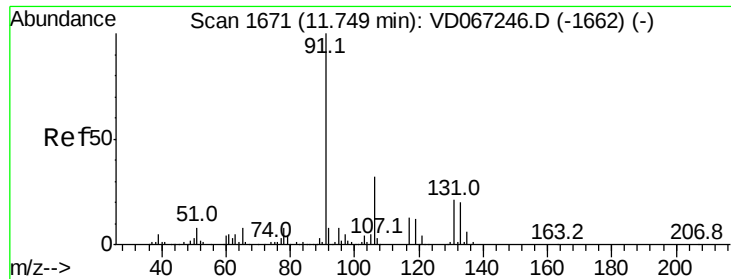


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.234 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

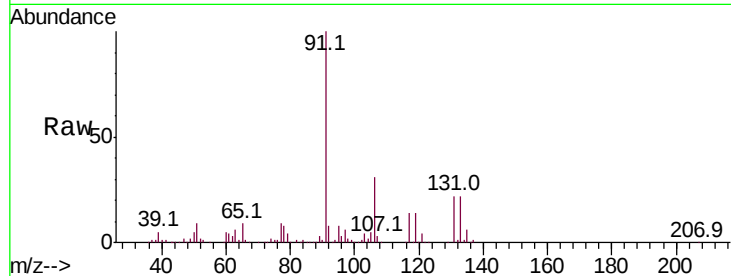
VSTDCCC050EC

Tot Ion: 91 Resp: 693032

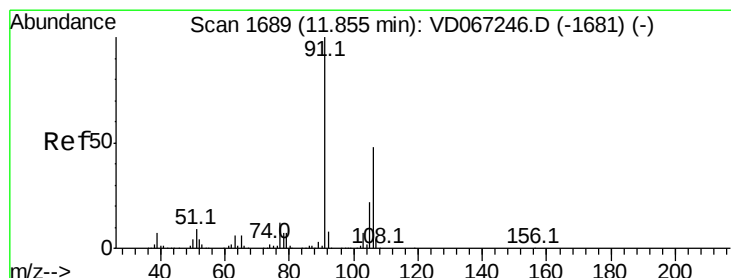
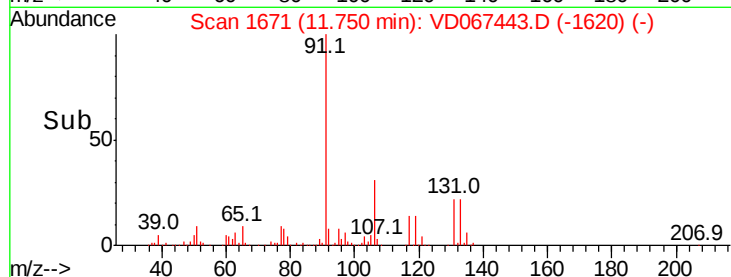
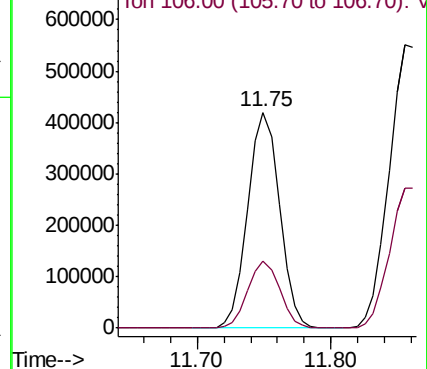
Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 99.536 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067443.D

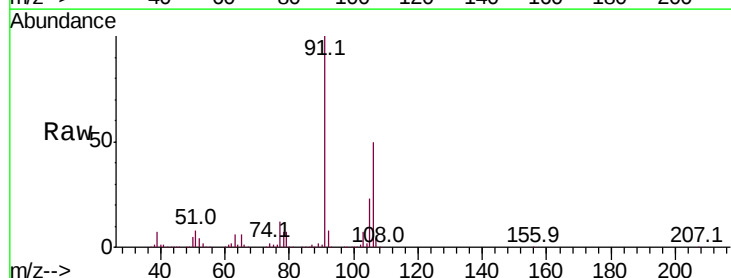
Acq: 28 Oct 2020 19:41

Tgt Ion: 106 Resp: 528801

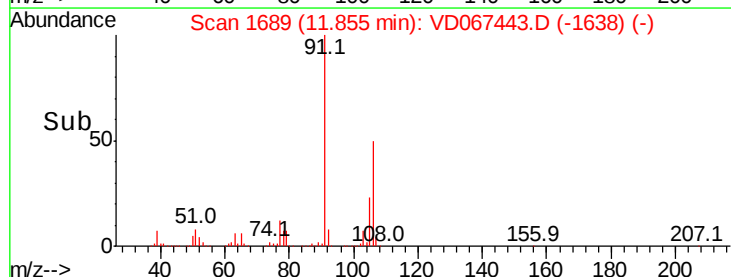
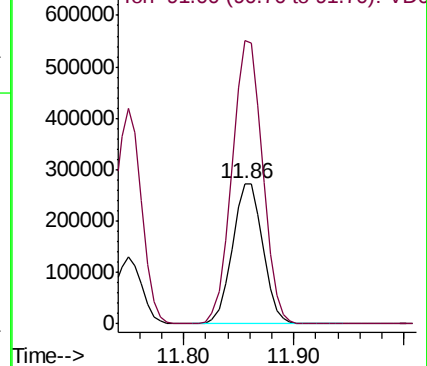
Ion Ratio Lower Upper

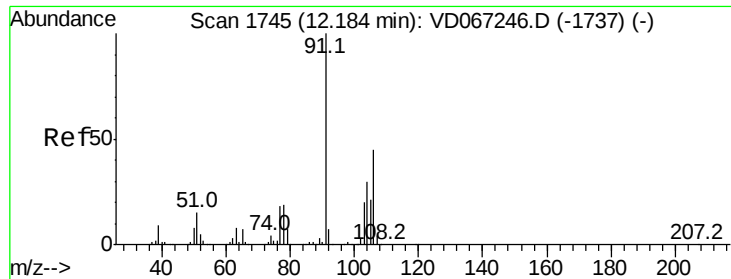
106 100

91 202.7 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VDC

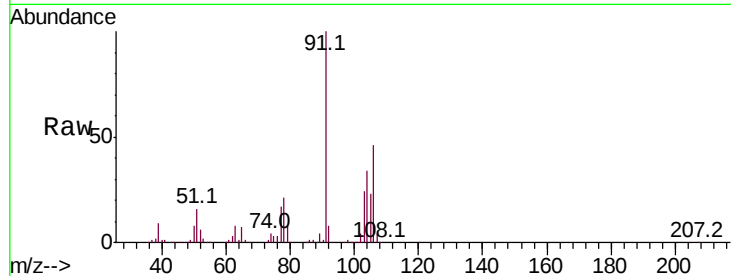




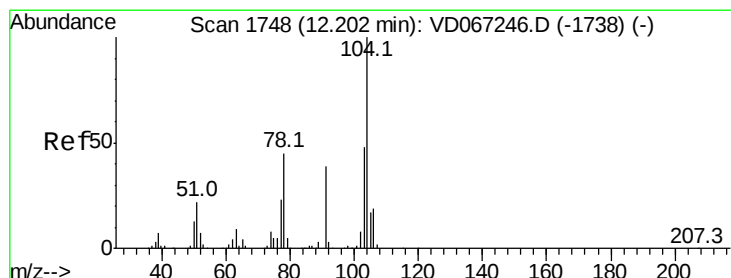
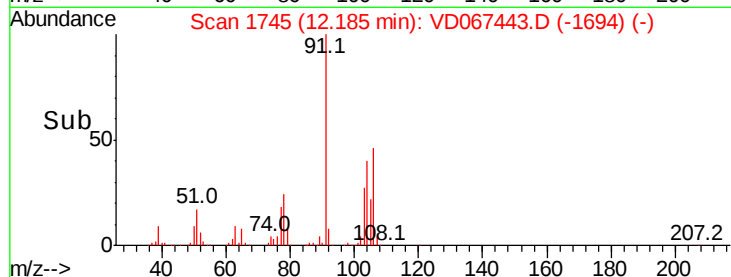
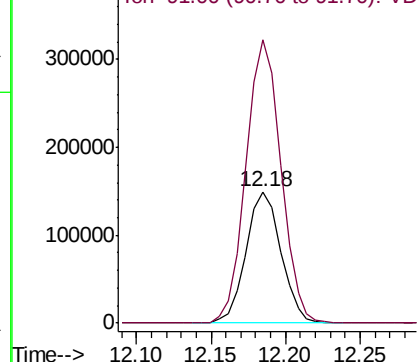
#69
o-Xylene
Concen: 49.401 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 243032
Ion Ratio Lower Upper
106 100
91 215.6 109.1 327.3

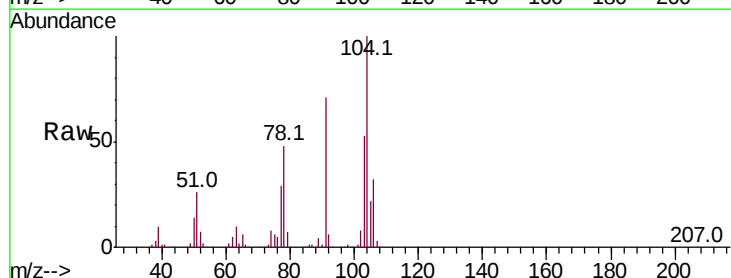


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

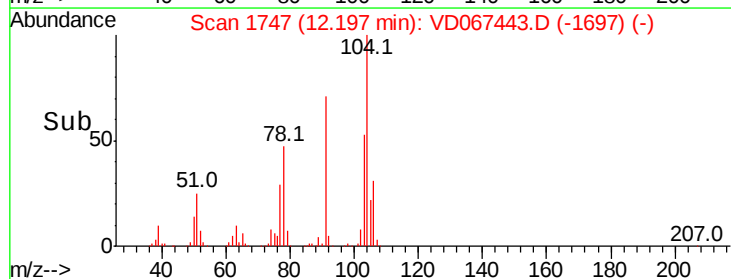
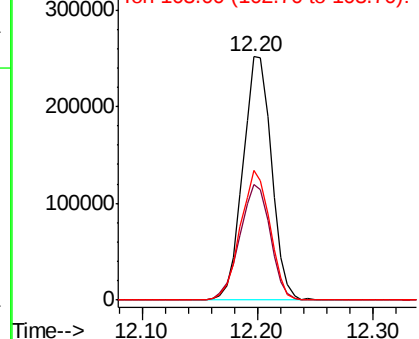


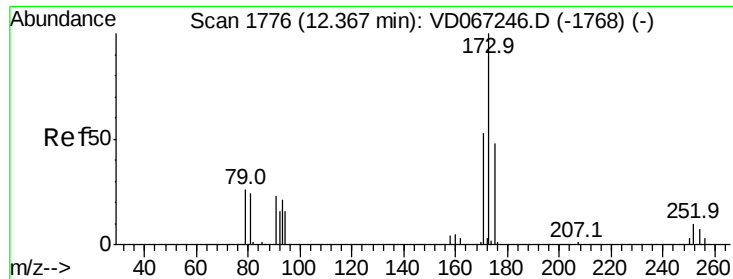
#70
Styrene
Concen: 51.078 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion:104 Resp: 432565
Ion Ratio Lower Upper
104 100
78 50.9 39.8 59.6
103 55.3 42.6 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.625 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

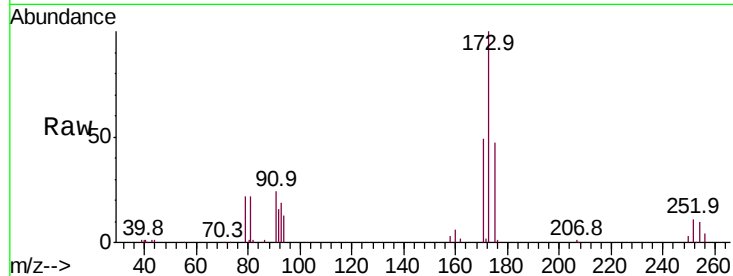
Tot Ion:173 Resp: 88714

Ion Ratio Lower Upper

173 100

175 48.4 24.2 72.6

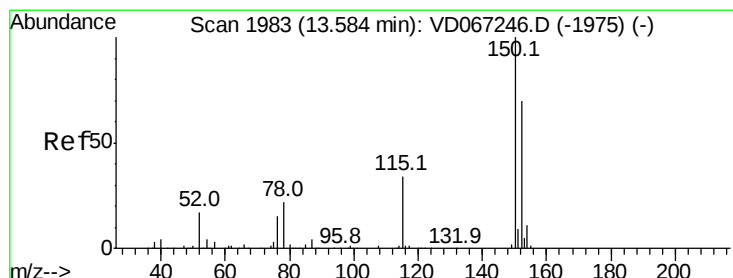
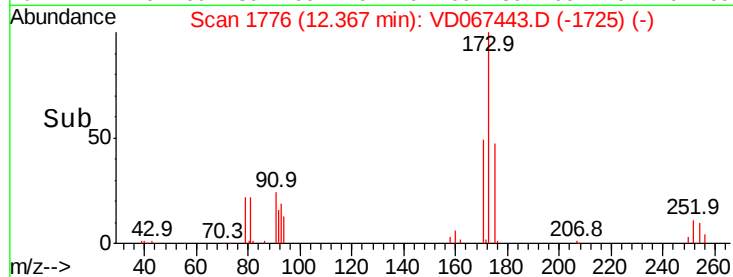
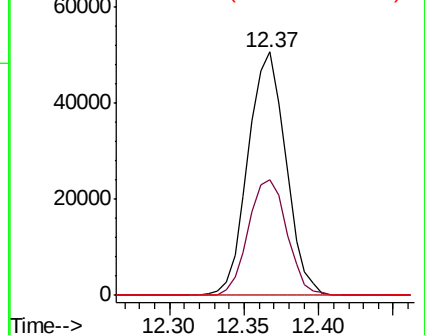
254 0.0 0.1 0.1#



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# 1982

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

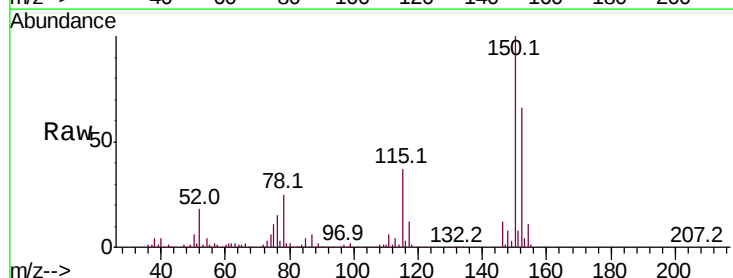
Tgt Ion:152 Resp: 212530

Ion Ratio Lower Upper

152 100

115 56.7 29.3 87.9

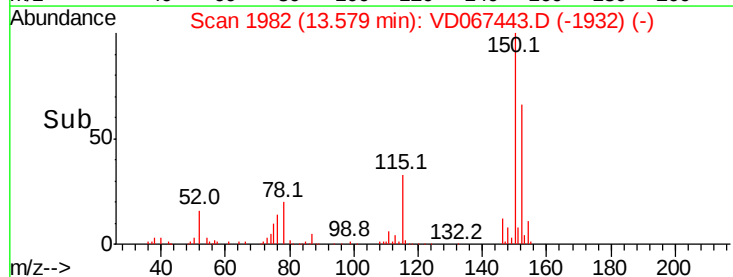
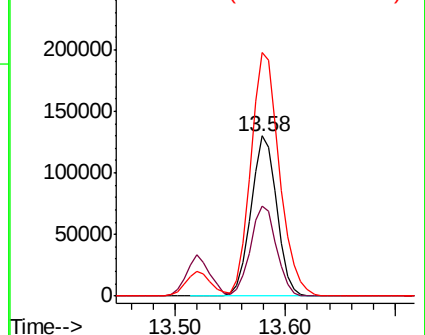
150 168.7 0.0 339.0

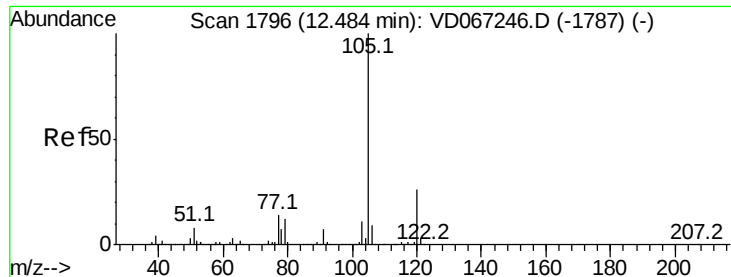


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.583 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

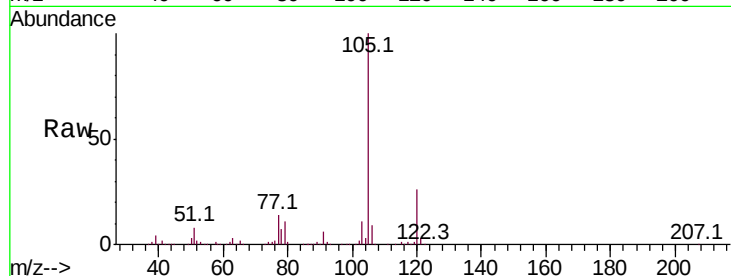
VSTDCCC050EC

Tot Ion:105 Resp: 695779

Ion Ratio Lower Upper

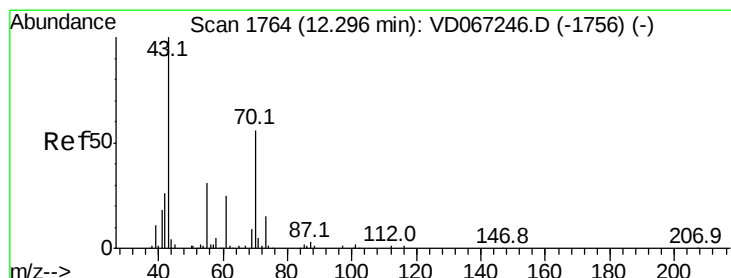
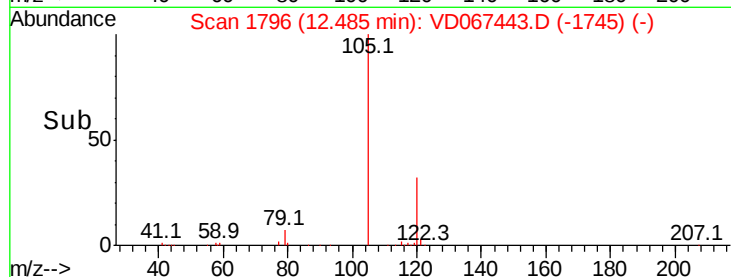
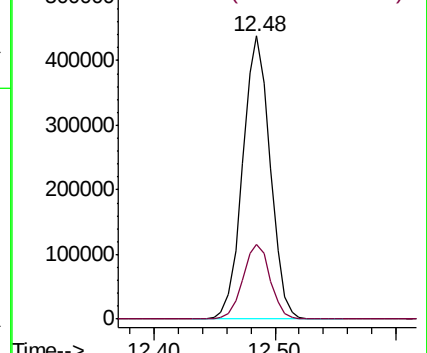
105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.899 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Tgt Ion: 43 Resp: 99617

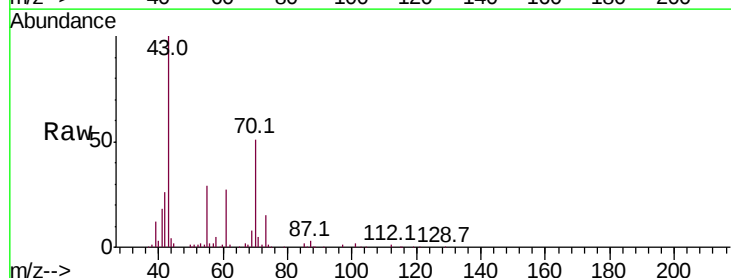
Ion Ratio Lower Upper

43 100

70 55.1 42.7 64.1

55 31.0 24.0 36.0

61 29.0 22.2 33.4

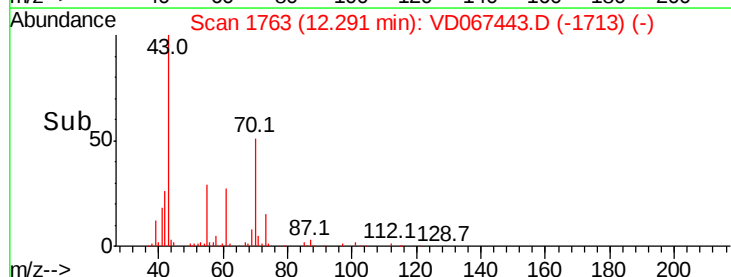
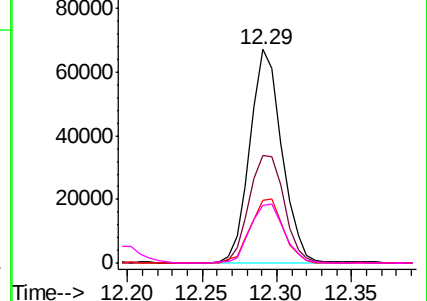


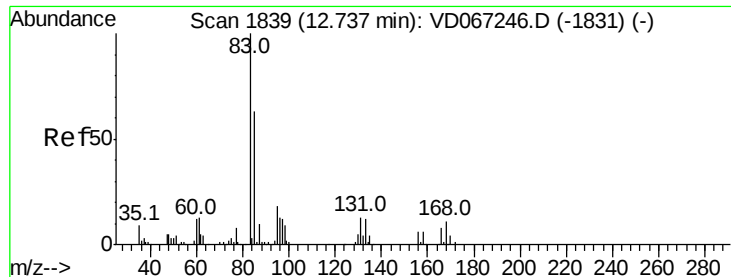
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.020 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

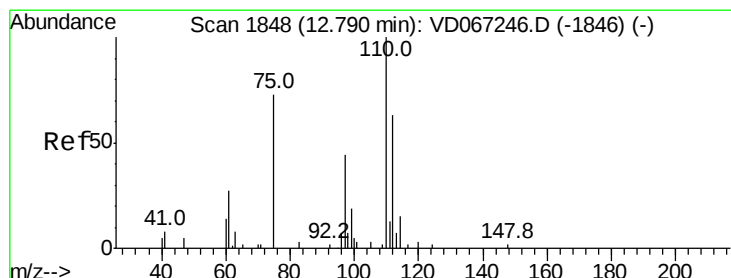
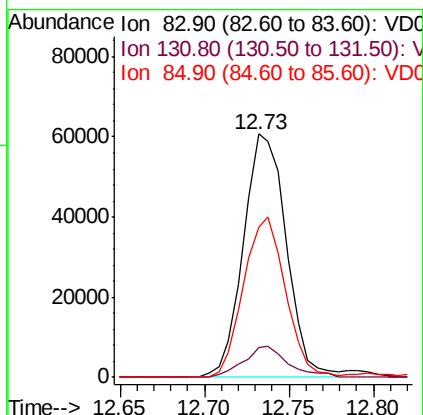
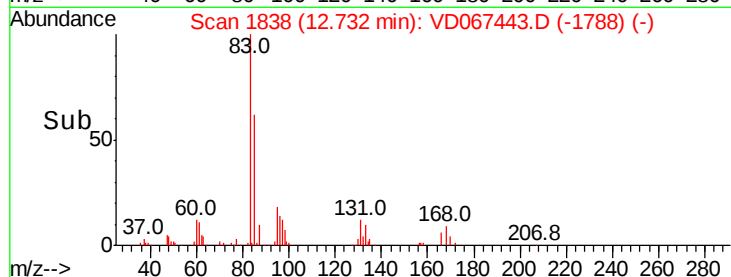
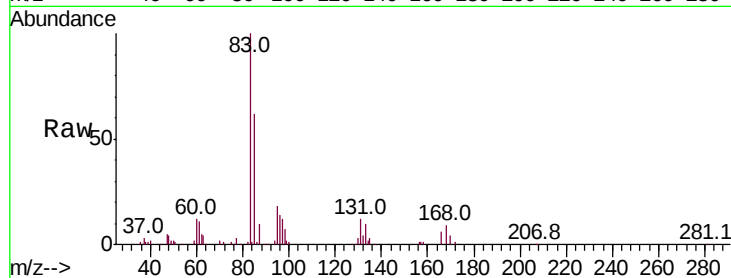
Tot Ion: 83 Resp: 107512

Ion Ratio Lower Upper

83 100

131 13.3 6.5 19.5

85 64.3 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 95.764 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067443.D

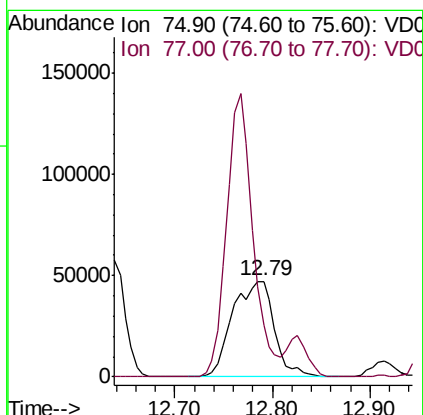
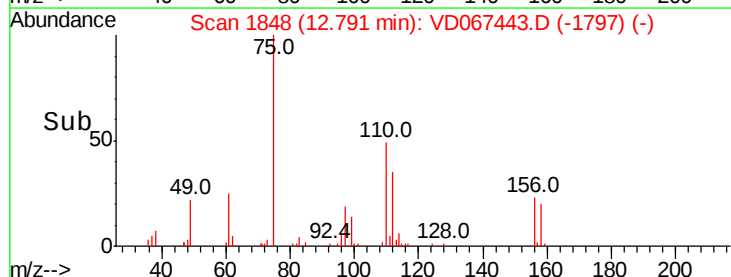
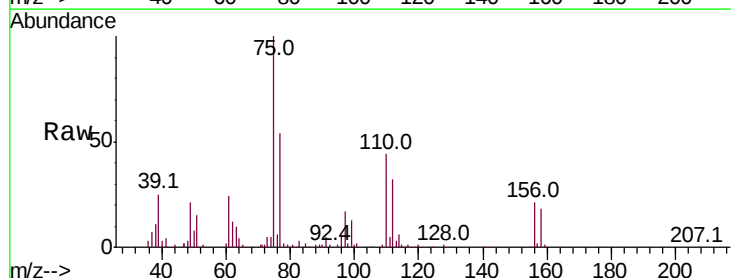
Acq: 28 Oct 2020 19:41

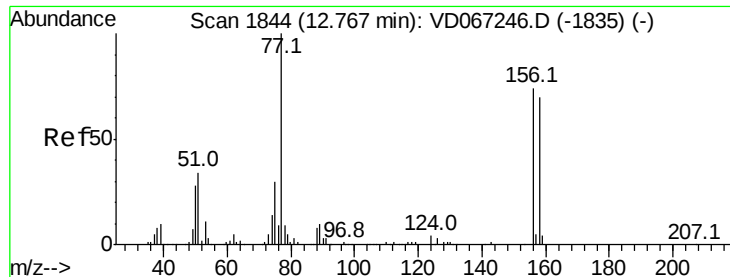
Tgt Ion: 75 Resp: 141063

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.523 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

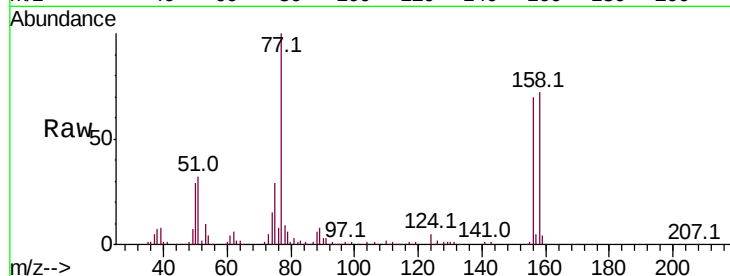
Tot Ion:156 Resp: 169901

Ion Ratio Lower Upper

156 100

77 154.9 78.0 233.8

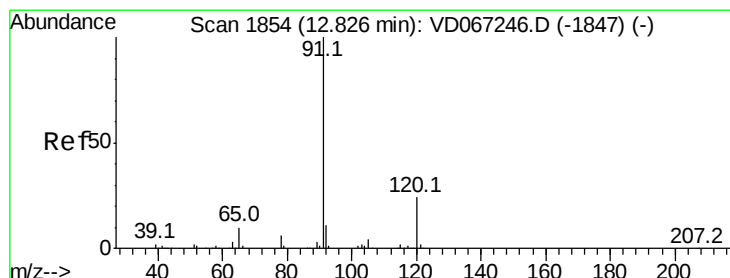
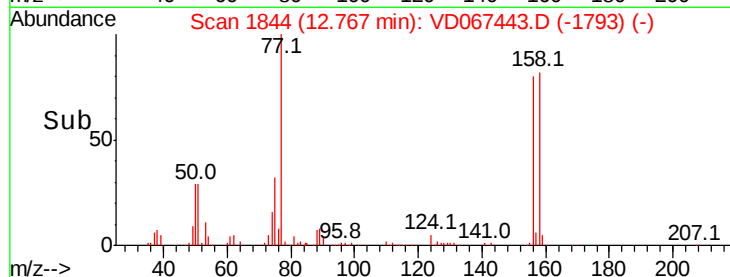
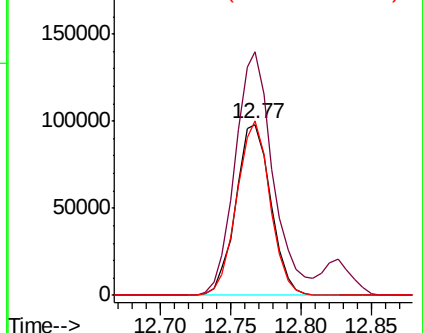
158 97.3 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.685 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067443.D

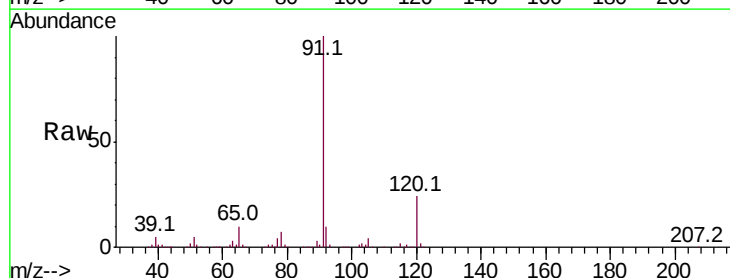
Acq: 28 Oct 2020 19:41

Tgt Ion: 91 Resp: 776484

Ion Ratio Lower Upper

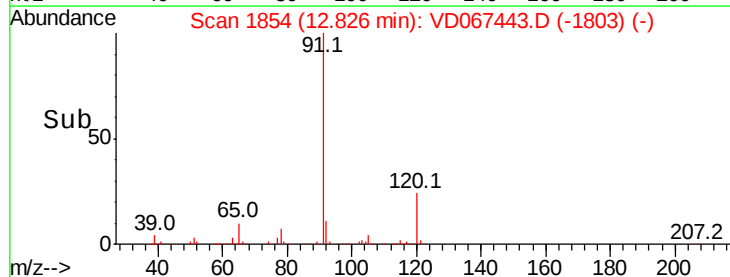
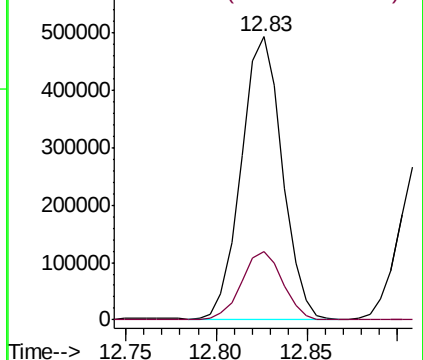
91 100

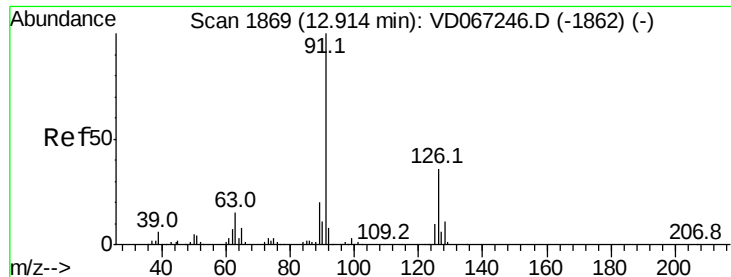
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.797 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

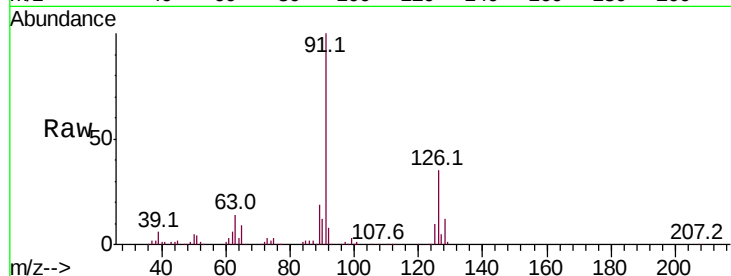
VSTDCCC050EC

Tot Ion: 91 Resp: 460378

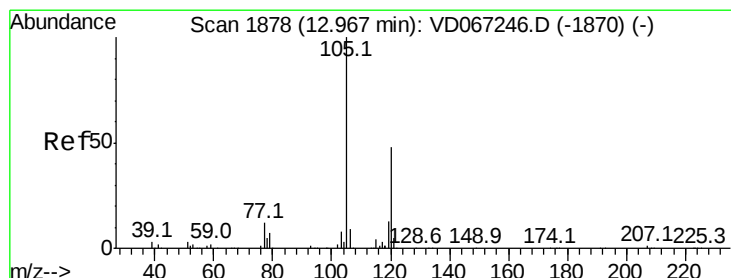
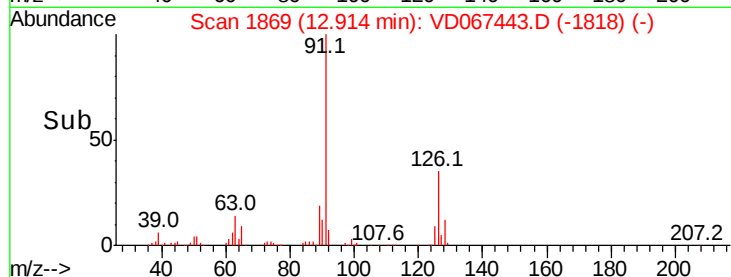
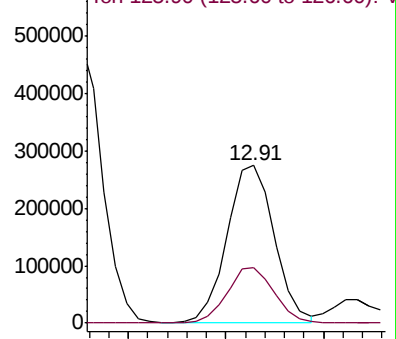
Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 51.587 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067443.D

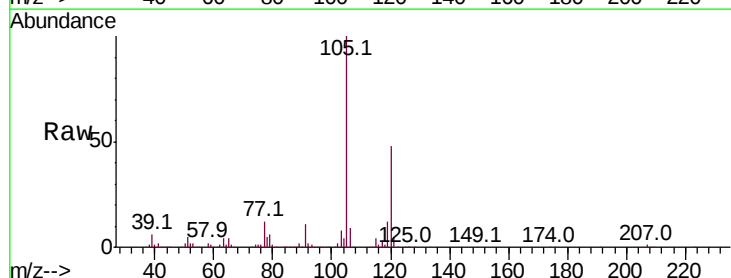
Acq: 28 Oct 2020 19:41

Tgt Ion: 105 Resp: 604677

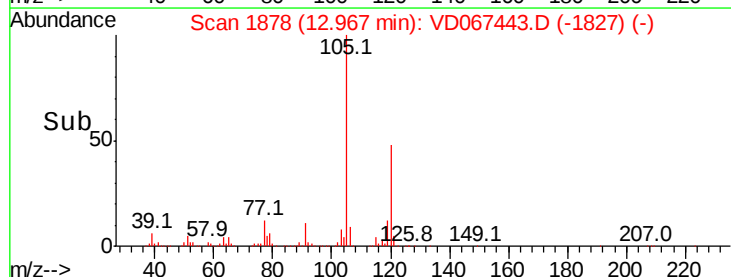
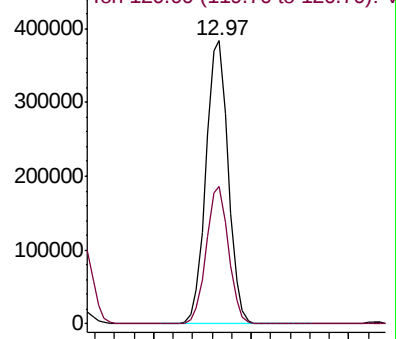
Ion Ratio Lower Upper

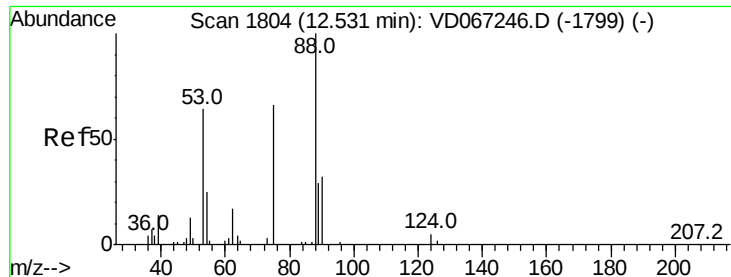
105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.761 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

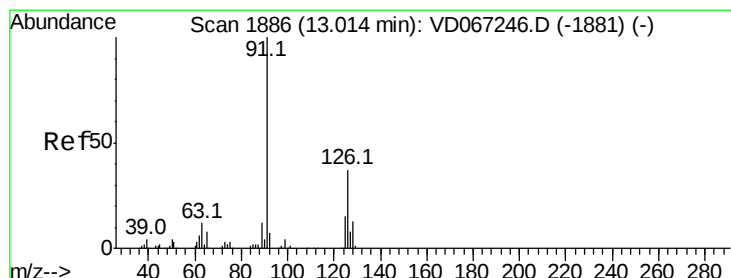
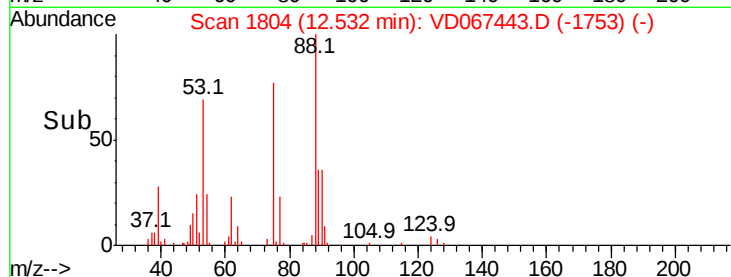
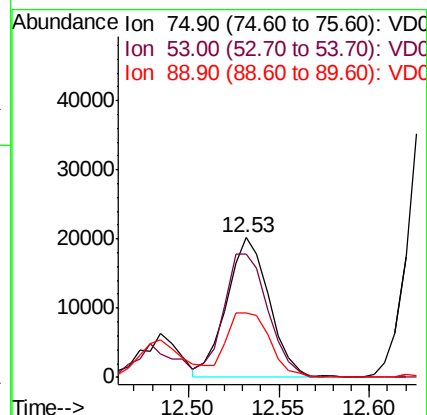
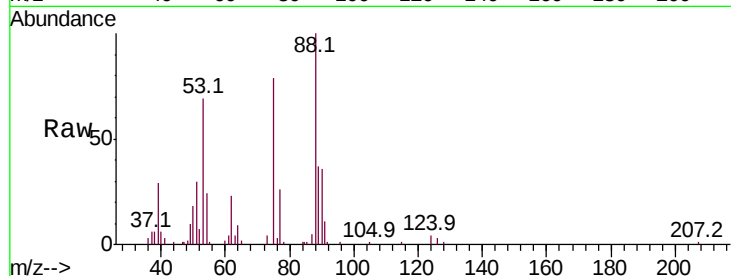
Tot Ion: 75 Resp: 32973

Ion Ratio Lower Upper

75 100

53 92.3 78.5 117.7

89 47.7 39.9 59.9



#82

4-Chlorotoluene

Concen: 50.647 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067443.D

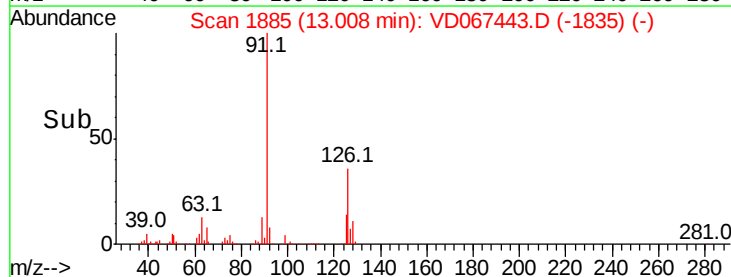
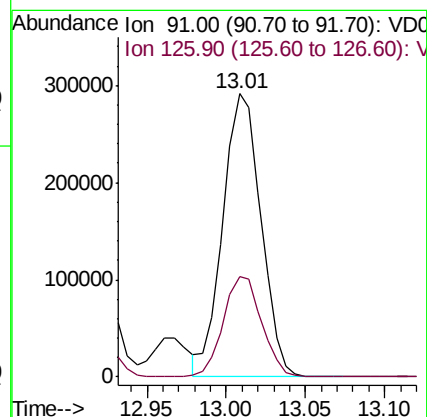
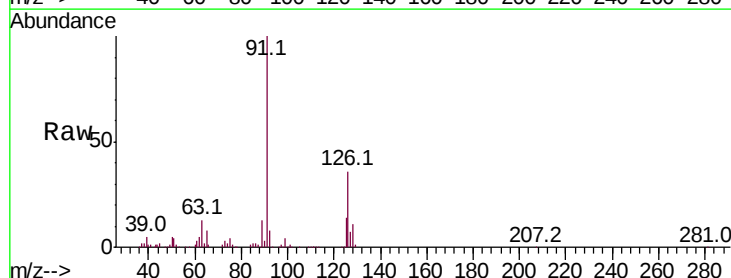
Acq: 28 Oct 2020 19:41

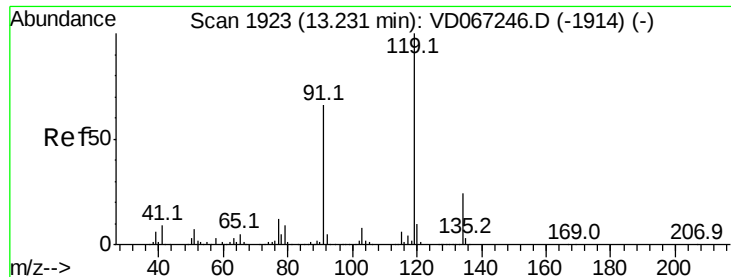
Tgt Ion: 91 Resp: 487186

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5

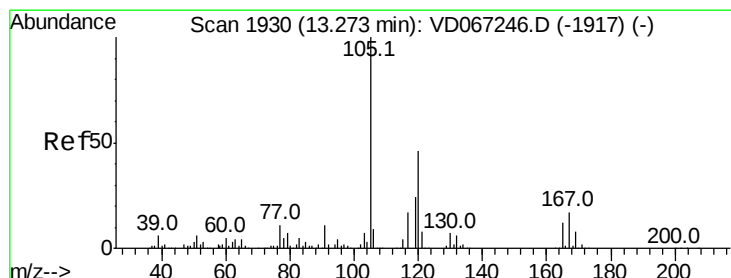
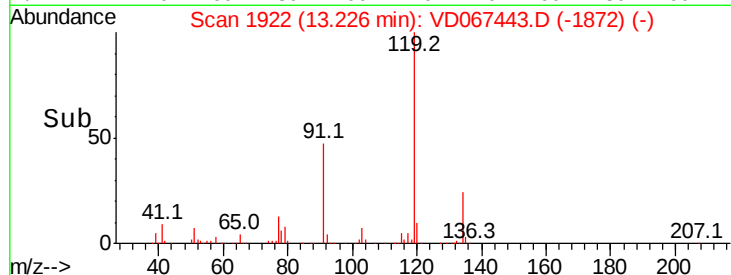
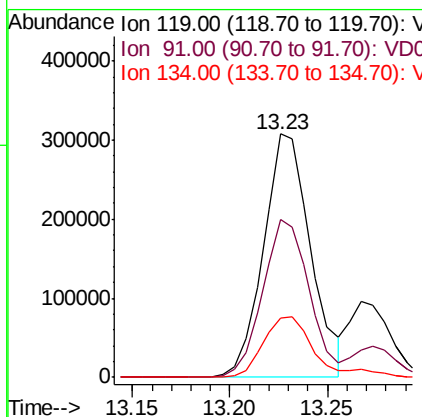
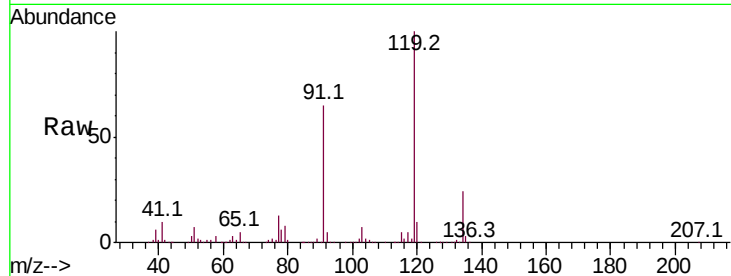




#83
tert-Butylbenzene
Concen: 52.122 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

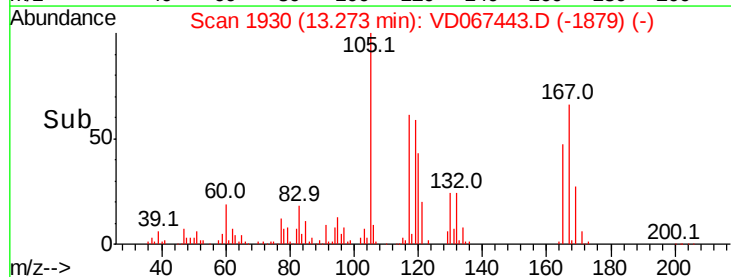
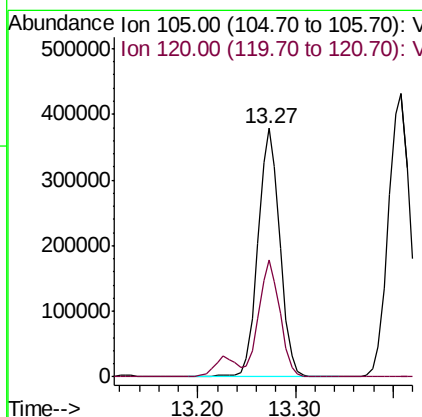
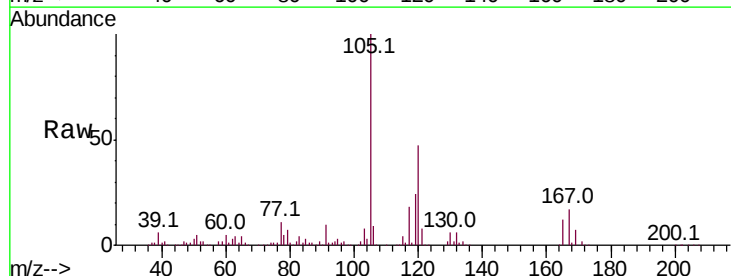
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

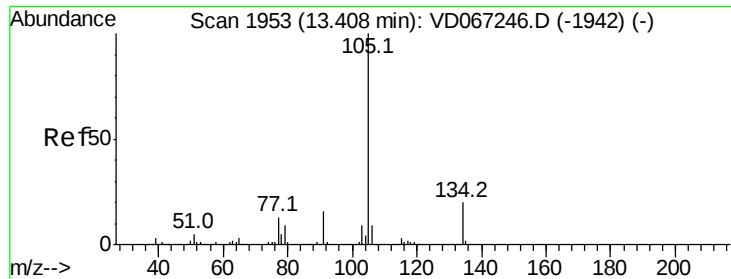
Tot Ion:119 Resp: 516077
Ion Ratio Lower Upper
119 100
91 63.8 33.1 99.2
134 27.3 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 51.491 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion:105 Resp: 596529
Ion Ratio Lower Upper
105 100
120 46.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 49.620 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

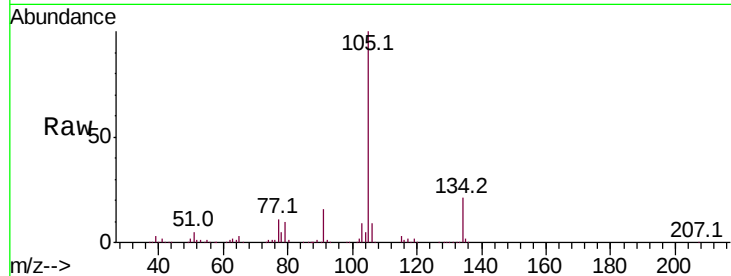
VSTDCCC050EC

Tot Ion:105 Resp: 674138

Ion Ratio Lower Upper

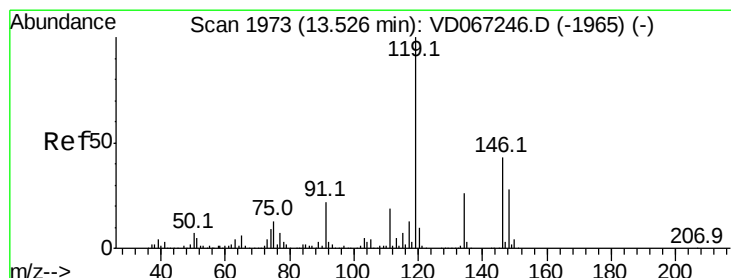
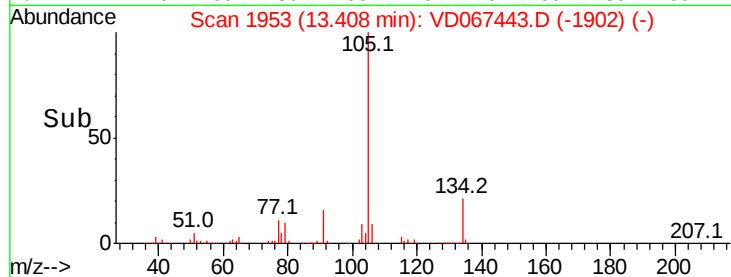
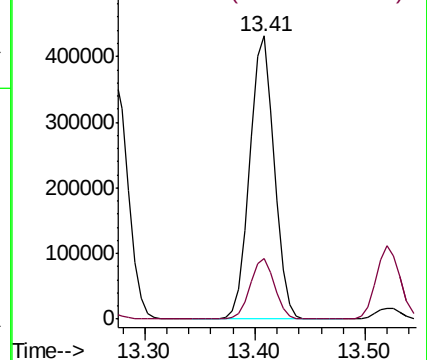
105 100

134 21.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.211 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

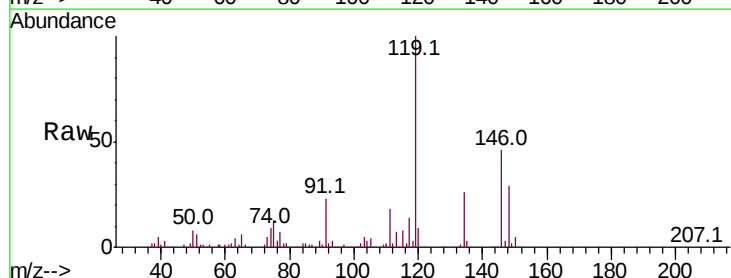
Tgt Ion:119 Resp: 656705

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

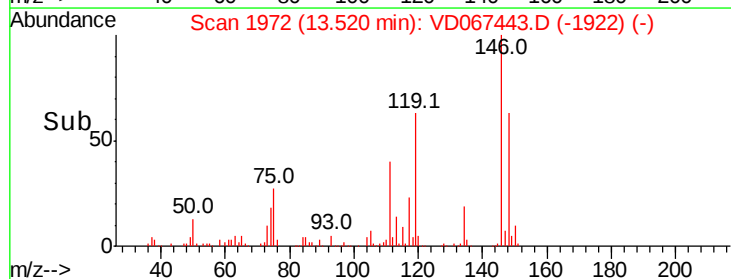
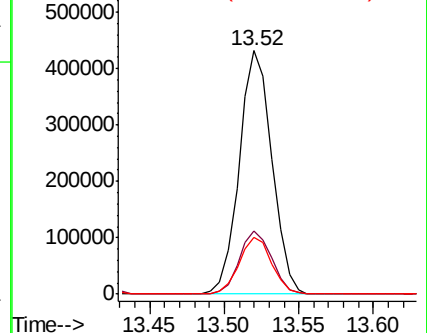
91 23.0 11.9 35.9

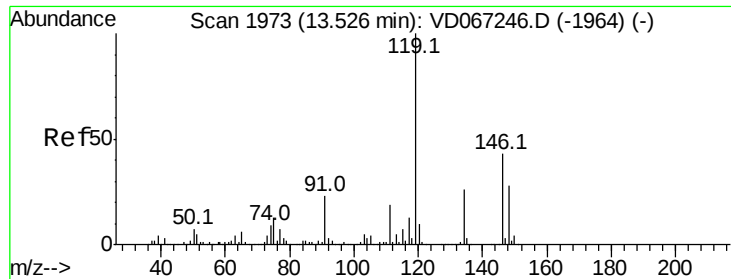


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.859 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

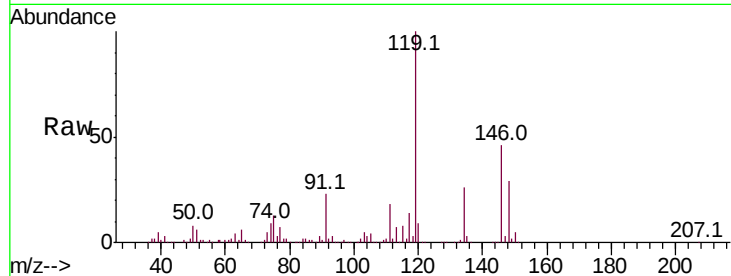
Tot Ion:146 Resp: 322723

Ion Ratio Lower Upper

146 100

111 40.8 21.1 63.3

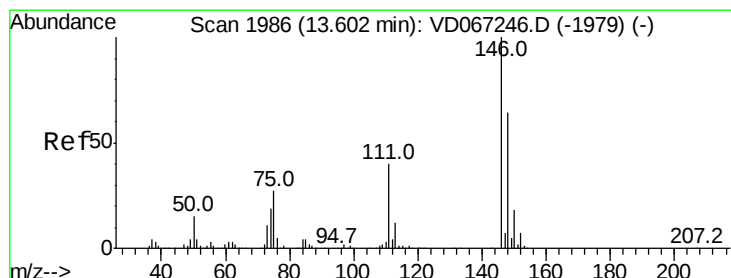
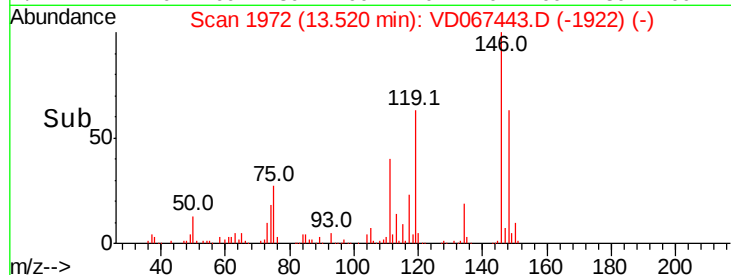
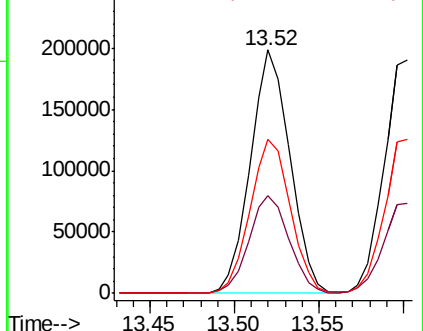
148 64.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.893 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

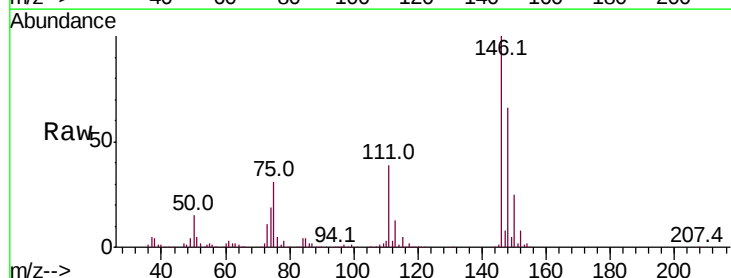
Tgt Ion:146 Resp: 319953

Ion Ratio Lower Upper

146 100

111 38.7 19.9 59.7

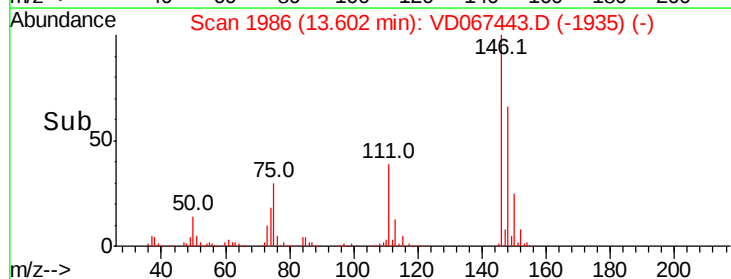
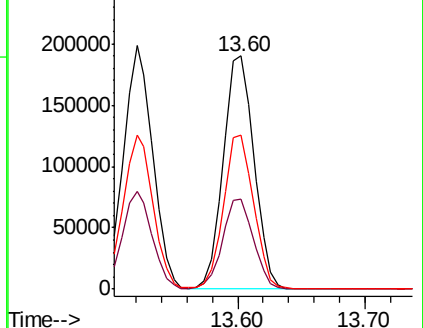
148 64.6 31.9 95.9

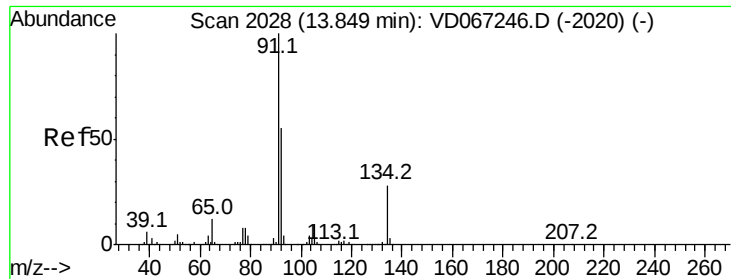


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

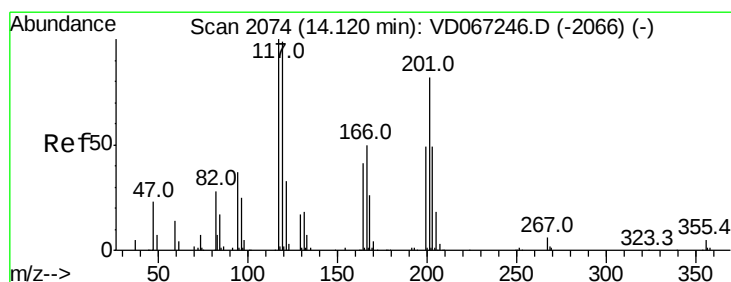
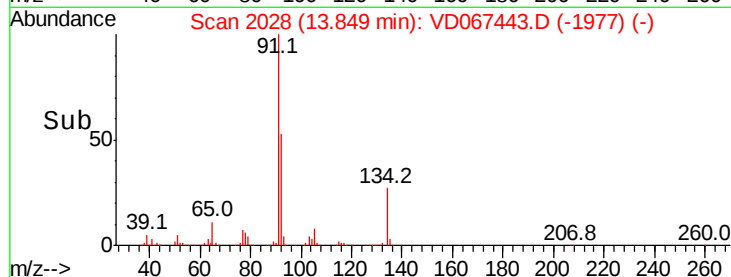
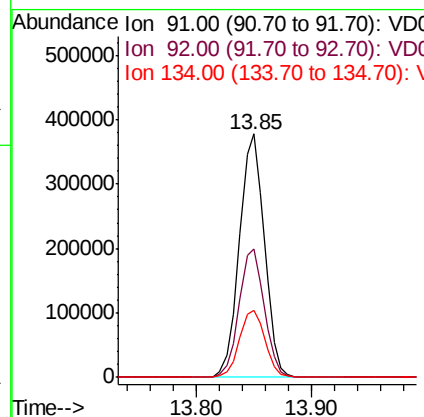
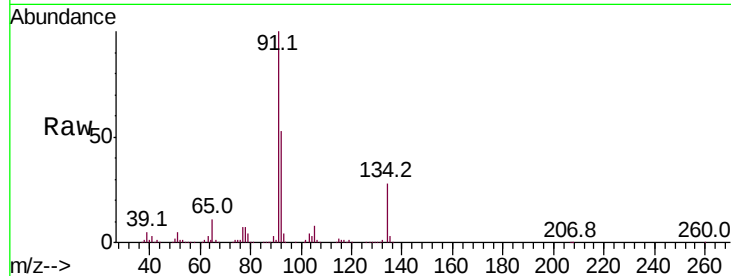




#89
n-Butylbenzene
Concen: 50.150 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

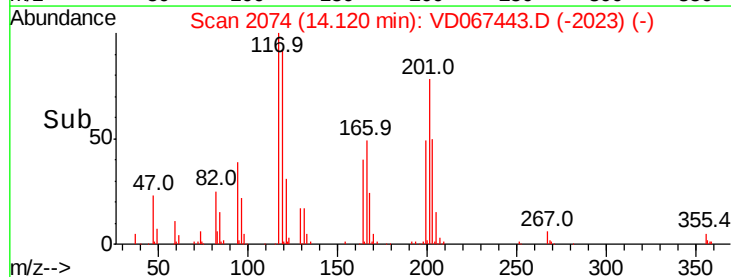
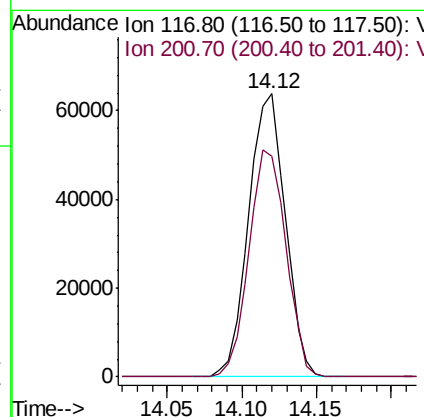
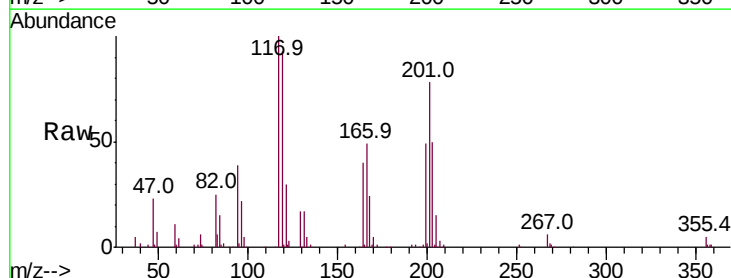
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

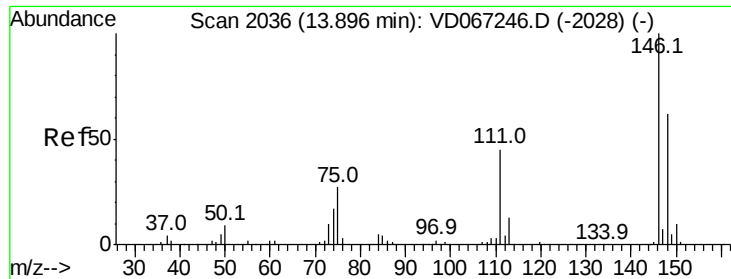
Tot Ion: 91 Resp: 565762
Ion Ratio Lower Upper
91 100
92 53.3 26.7 80.0
134 28.1 14.2 42.6



#90
Hexachloroethane
Concen: 48.551 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 117 Resp: 108645
Ion Ratio Lower Upper
117 100
201 80.9 40.8 122.2

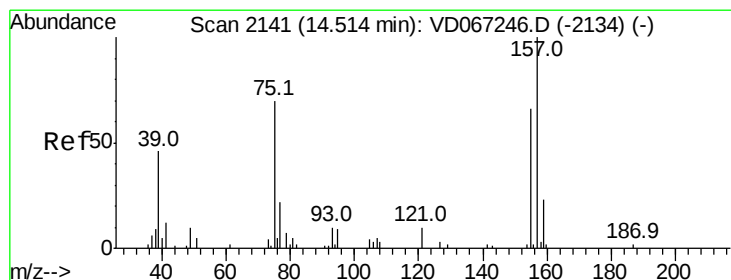
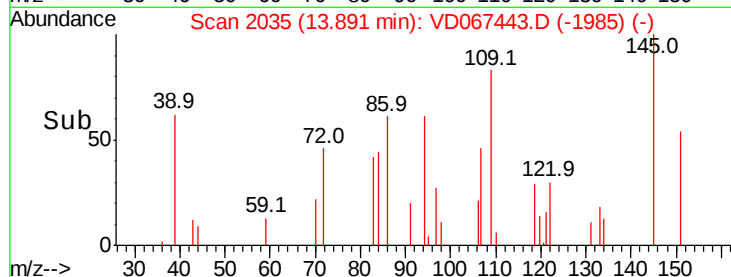
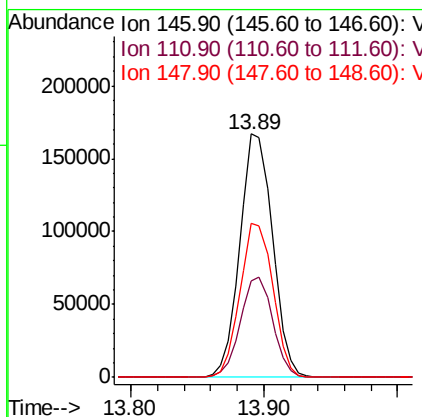
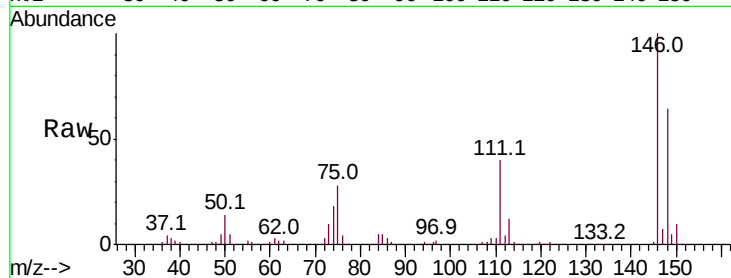




#91
 1,2-Dichlorobenzene
 Concen: 50.202 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

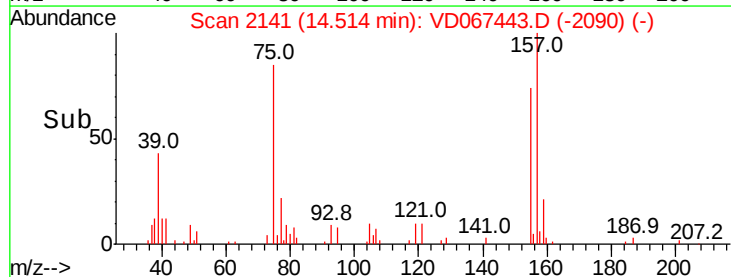
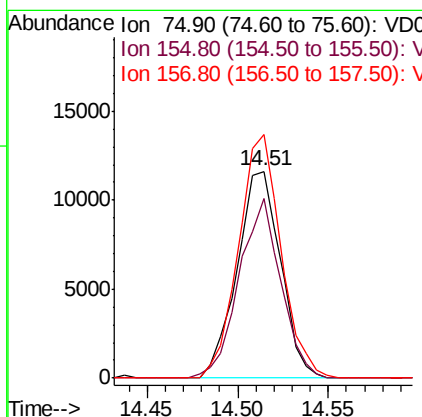
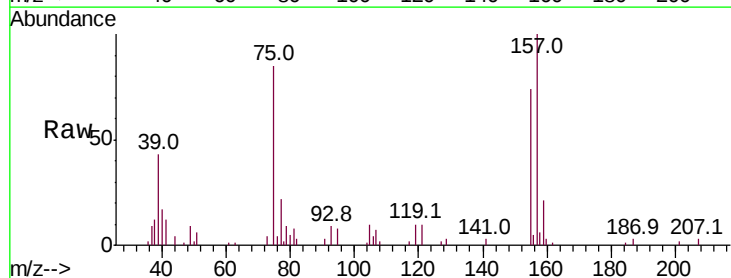
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

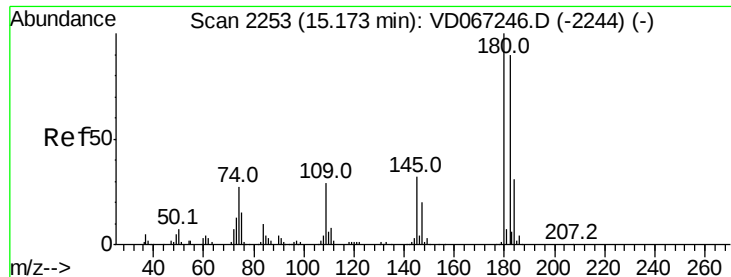
Tot Ion:146 Resp: 283868
 Ion Ratio Lower Upper
 146 100
 111 40.7 22.0 66.0
 148 63.7 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.605 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion: 75 Resp: 19376
 Ion Ratio Lower Upper
 75 100
 155 83.4 44.8 134.4
 157 115.3 62.5 187.4

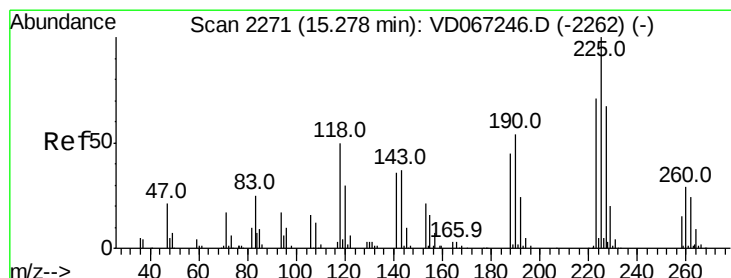
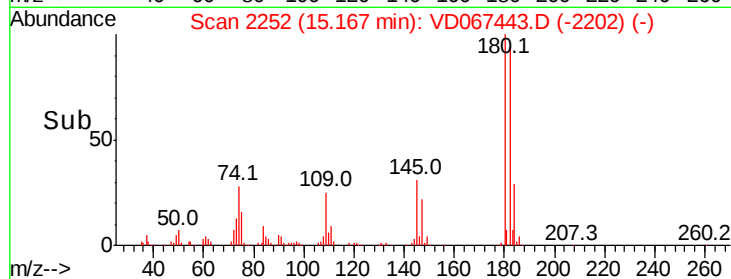
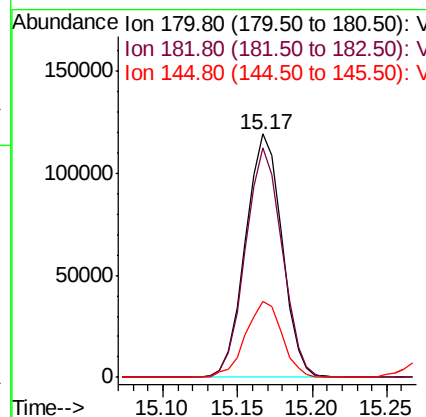
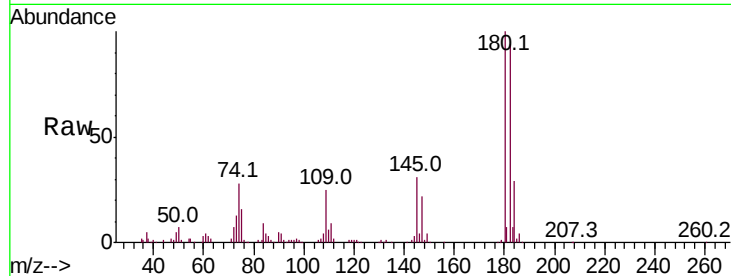




#93
 1,2,4-Trichlorobenzene
 Concen: 52.909 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

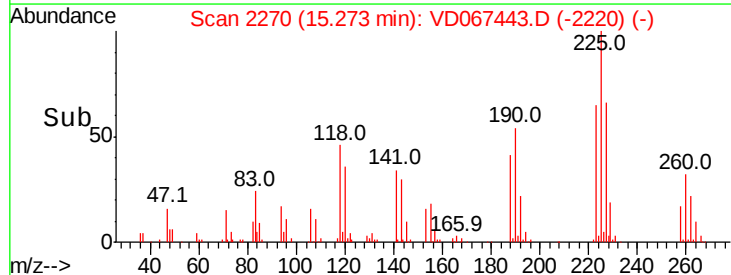
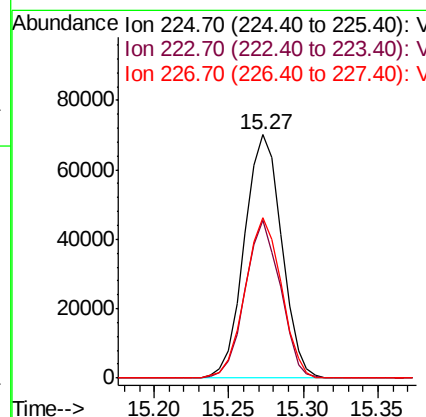
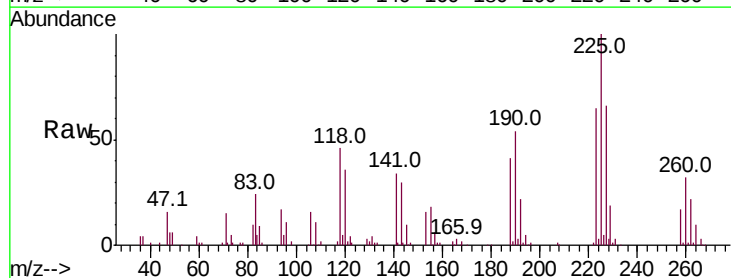
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

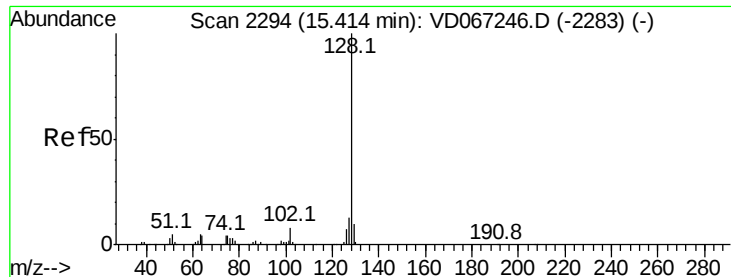
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.1	144.4
145	31.1	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 51.187 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.9	95.7
227	64.4	31.2	93.6

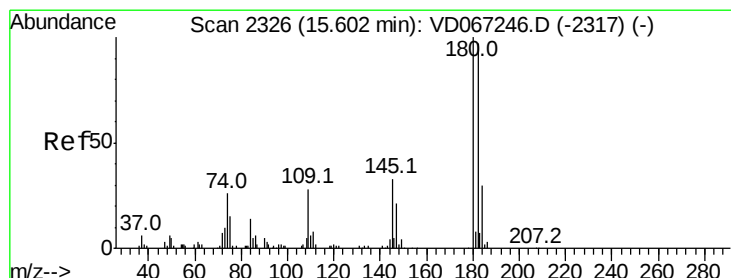
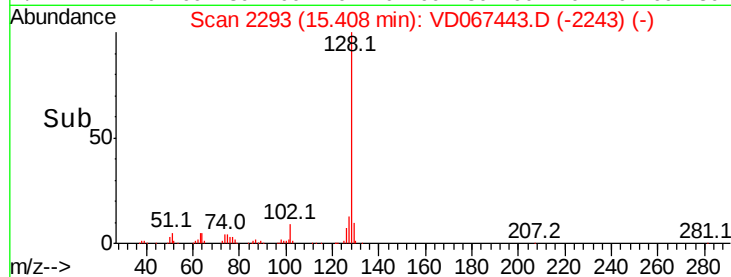
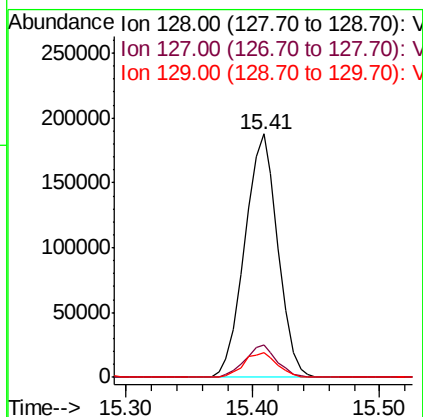
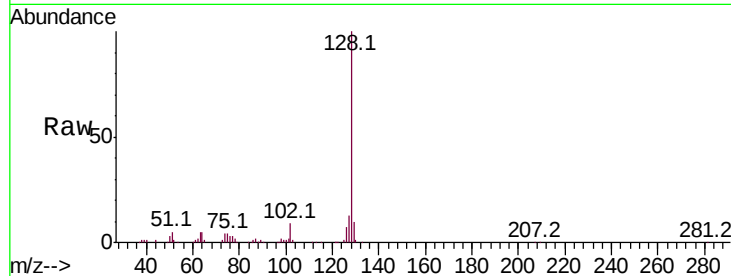




#95
Naphthalene
Concen: 54.230 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 339439
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.778 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion:180 Resp: 173828
Ion Ratio Lower Upper
180 100
182 96.7 48.1 144.3
145 33.8 17.3 51.9

