

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066148.D
 Acq On : 07 Aug 2020 10:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 08 00:37:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	326485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	464727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	417162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	148388	50.94	ug/l	0.00
Spiked Amount						
						Recovery = 101.88%
35) Dibromofluoromethane	7.91	113	152340	51.75	ug/l	0.00
Spiked Amount						
						Recovery = 103.50%
50) Toluene-d8	10.34	98	591596	54.45	ug/l	0.00
Spiked Amount						
						Recovery = 108.90%
62) 4-Bromofluorobenzene	12.64	95	202463	51.70	ug/l	0.00
Spiked Amount						
						Recovery = 103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	120461	41.878	ug/l	99
3) Chloromethane	2.20	50	99570	44.499	ug/l	99
4) Vinyl Chloride	2.35	62	95646	48.282	ug/l	97
5) Bromomethane	2.77	94	66652	50.713	ug/l	85
6) Chloroethane	2.92	64	59292	48.760	ug/l	94
7) Trichlorofluoromethane	3.27	101	230493	44.630	ug/l	98
8) Diethyl Ether	3.70	74	62716	43.037	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	143401	46.786	ug/l	97
10) Methyl Iodide	4.30	142	142151	50.816	ug/l	98
11) Tert butyl alcohol	5.21	59	42036	183.106	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	133880	46.303	ug/l	96
13) Acrolein	3.92	56	46096	198.820	ug/l	100
14) Allyl chloride	4.71	41	201954	46.104	ug/l	100
15) Acrylonitrile	5.42	53	138570	225.656	ug/l	98
16) Acetone	4.16	43	166899	301.986	ug/l	97
17) Carbon Disulfide	4.40	76	413931	45.025	ug/l	100
18) Methyl Acetate	4.71	43	58187	41.450	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	291035	43.915	ug/l	94
20) Methylene Chloride	4.97	84	157286	49.509	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	150644	45.354	ug/l	97
22) Diisopropyl ether	6.36	45	406785	46.961	ug/l	96
23) Vinyl Acetate	6.30	43	1180672	232.658	ug/l	99
24) 1,1-Dichloroethane	6.26	63	251756	46.963	ug/l	97
25) 2-Butanone	7.21	43	187376	230.510	ug/l	97
26) 2,2-Dichloropropane	7.20	77	227277	47.303	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	160152	45.969	ug/l	99
28) Bromochloromethane	7.54	49	94393	50.133	ug/l	95
29) Tetrahydrofuran	7.56	42	110683	219.771	ug/l	98
30) Chloroform	7.71	83	261759	46.502	ug/l	98
31) Cyclohexane	7.97	56	222543	43.611	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	245073	46.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	207685	47.558	ug/l	98
37) Ethyl Acetate	7.29	43	81487	47.095	ug/l	94
38) Carbon Tetrachloride	8.09	117	230564	47.345	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	254482	48.206	ug/l	99
40) Benzene	8.34	78	578367	47.742	ug/l	100
41) Methacrylonitrile	7.52	41	37217	36.582	ug/l #	81
42) 1,2-Dichloroethane	8.42	62	163941	46.065	ug/l	100
43) Isopropyl Acetate	8.45	43	153249	44.952	ug/l	99
44) Trichloroethene	9.11	130	171891	47.087	ug/l	100
45) 1,2-Dichloropropane	9.38	63	139338	47.028	ug/l	98
46) Dibromomethane	9.47	93	76619	46.947	ug/l	97
47) Bromodichloromethane	9.66	83	200778	46.547	ug/l	97
48) Methyl methacrylate	9.46	41	77389	44.457	ug/l	94
49) 1,4-Dioxane	9.46	88	16920	806.964	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	395271	225.722	ug/l	100
52) Toluene	10.40	92	382721	48.011	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	190919	46.640	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	227455	47.425	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	103884	44.205	ug/l	96
56) Ethyl methacrylate	10.66	69	129160	45.751	ug/l	99
57) 1,3-Dichloropropane	10.94	76	180254	46.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	328005	258.300	ug/l	99
59) 2-Hexanone	10.98	43	297514	242.082	ug/l	97
60) Dibromochloromethane	11.14	129	142184	43.824	ug/l	98
61) 1,2-Dibromoethane	11.24	107	103212	45.668	ug/l	99
64) Tetrachloroethene	10.87	164	148730	46.430	ug/l	97
65) Chlorobenzene	11.67	112	406672	48.022	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	153559	46.344	ug/l	99
67) Ethyl Benzene	11.74	91	723502	49.301	ug/l	96
68) m/p-Xylenes	11.86	106	549396	96.627	ug/l	96
69) o-Xylene	12.18	106	251114	48.551	ug/l	99
70) Styrene	12.20	104	443646	48.944	ug/l	100
71) Bromoform	12.36	173	88812	45.239	ug/l	100
73) Isopropylbenzene	12.48	105	707874	50.065	ug/l	99
74) N-amyl acetate	12.29	43	145498	46.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	110397	45.790	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	149007	84.358	ug/l #	100
77) Bromobenzene	12.77	156	173903	47.780	ug/l	99
78) n-propylbenzene	12.83	91	824923	50.191	ug/l	100
79) 2-Chlorotoluene	12.91	91	456935	48.610	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	590047	49.900	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	39002	48.810	ug/l	100
82) 4-Chlorotoluene	13.01	91	490567	49.437	ug/l	99
83) tert-Butylbenzene	13.23	119	523844	50.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	587182	49.620	ug/l	100
85) sec-Butylbenzene	13.41	105	714869	50.917	ug/l	100
86) p-Isopropyltoluene	13.52	119	657636	49.941	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	328052	47.957	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	325528	47.717	ug/l	100
89) n-Butylbenzene	13.85	91	612846	51.944	ug/l	99
90) Hexachloroethane	14.12	117	128491	48.925	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	286537	47.364	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18112	43.710	ug/l	99

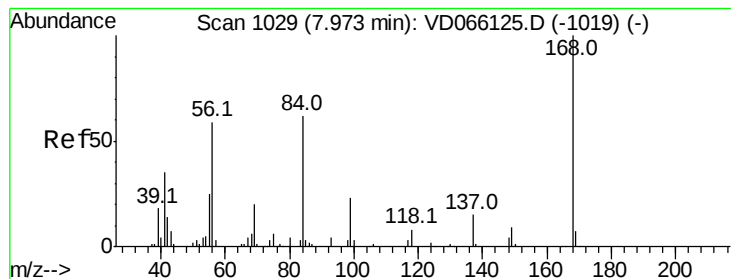
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	213828	47.962	ug/l	99
94) Hexachlorobutadiene	15.28	225	129333	49.264	ug/l	99
95) Naphthalene	15.41	128	341362	46.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	182357	46.335	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

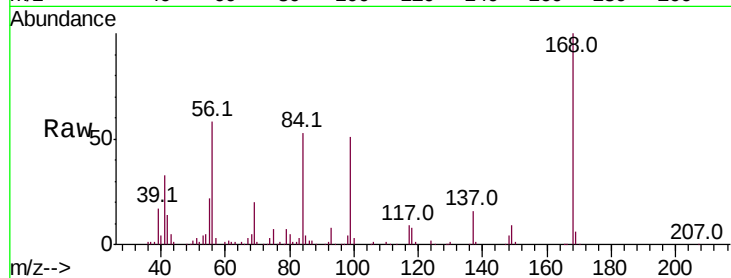
VSTDCCC050

Tot Ion:168 Resp: 326485

Ion Ratio Lower Upper

168 100

99 50.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

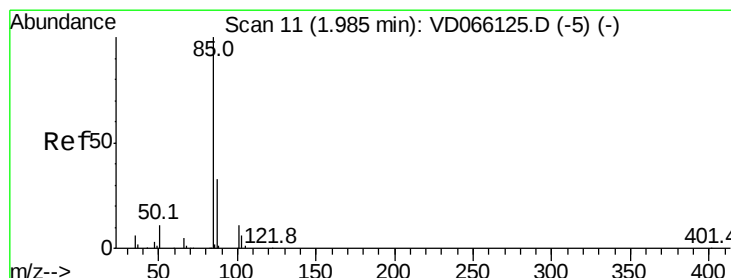
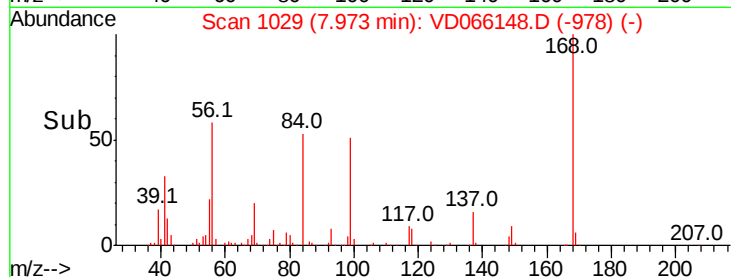
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 41.878 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066148.D

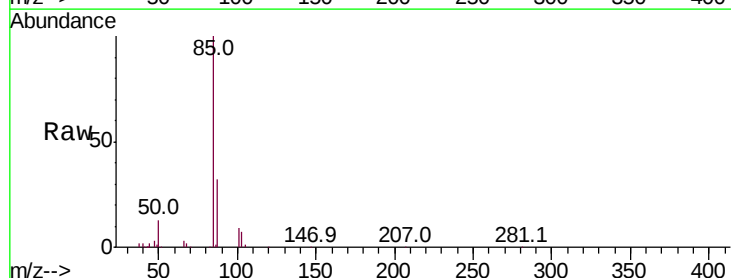
Acq: 07 Aug 2020 10:05

Tgt Ion: 85 Resp: 120461

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

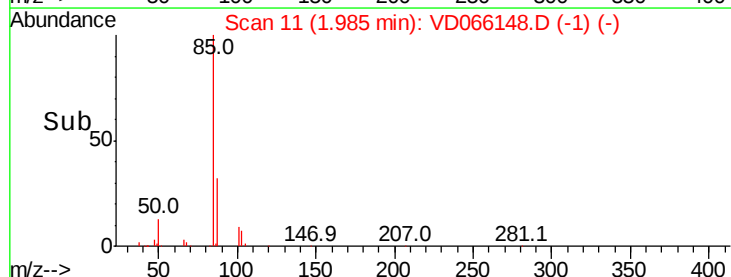
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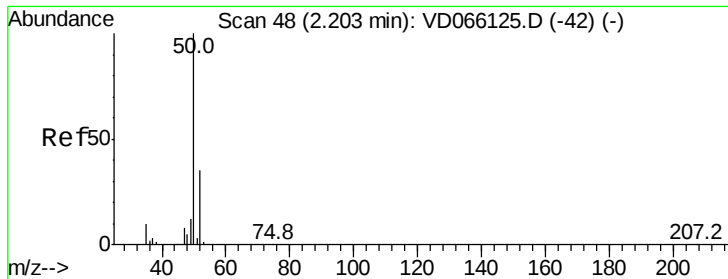
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.499 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

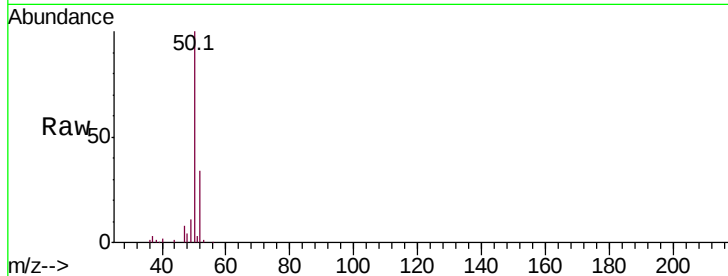
VSTDCCC050

Tot Ion: 50 Resp: 99570

Ion Ratio Lower Upper

50 100

52 34.4 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

80000

60000

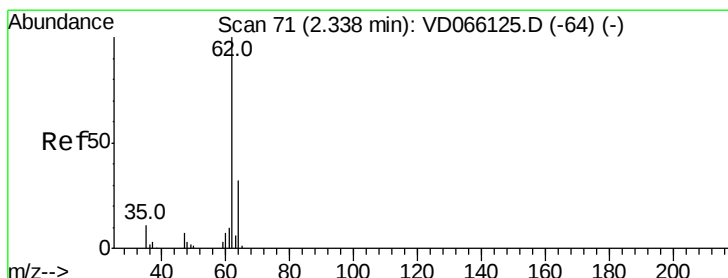
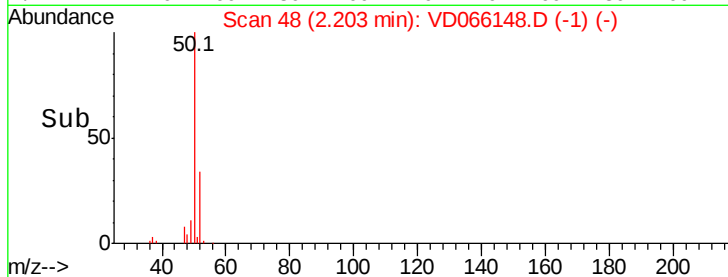
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 48.282 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066148.D

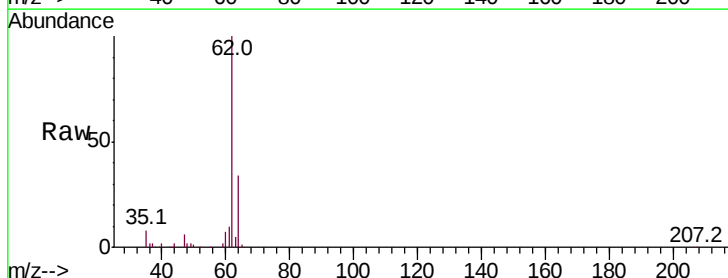
Acq: 07 Aug 2020 10:05

Tgt Ion: 62 Resp: 95646

Ion Ratio Lower Upper

62 100

64 34.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

60000

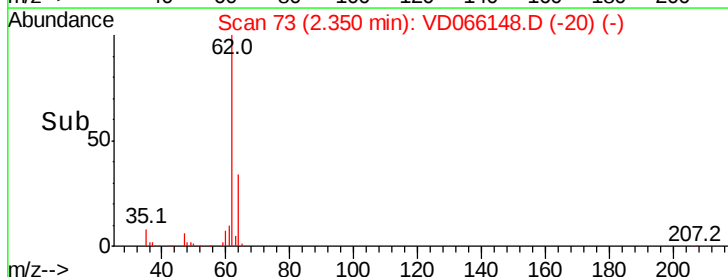
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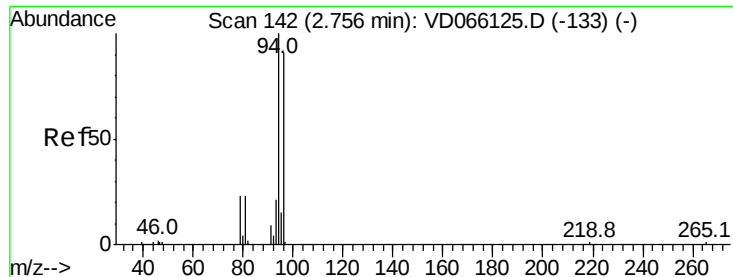
20000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 50.713 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

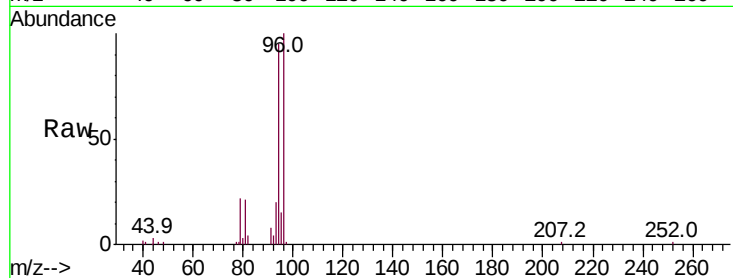
VSTDCCC050

Tot Ion: 94 Resp: 66652

Ion Ratio Lower Upper

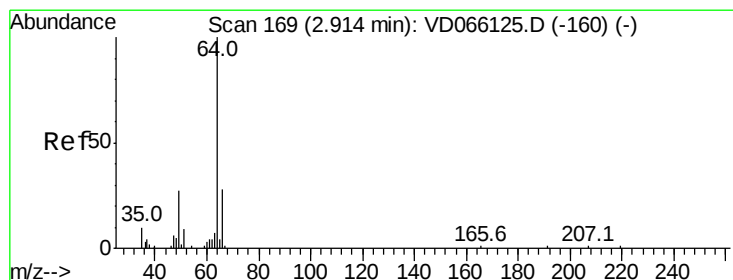
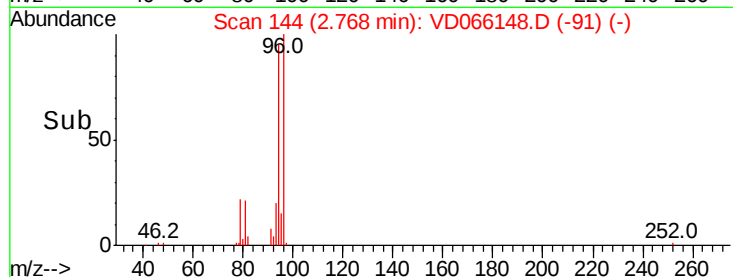
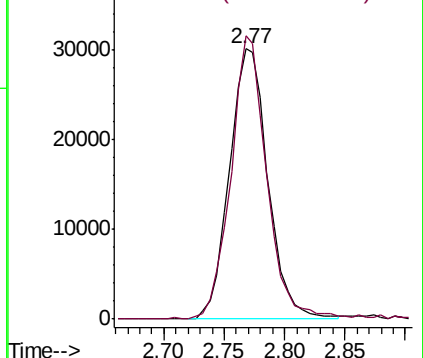
94 100

96 104.8 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.760 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066148.D

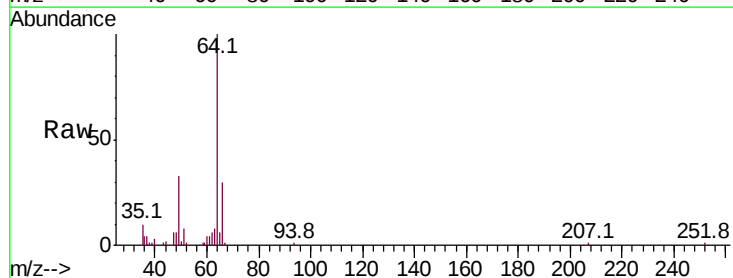
Acq: 07 Aug 2020 10:05

Tgt Ion: 64 Resp: 59292

Ion Ratio Lower Upper

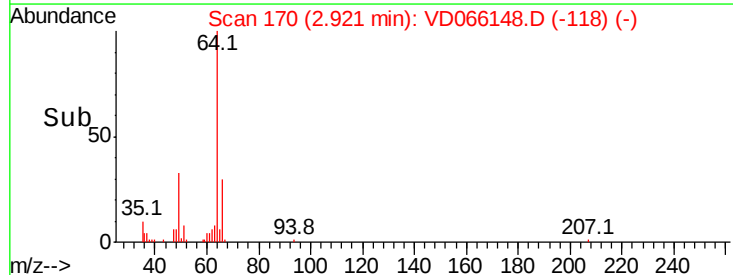
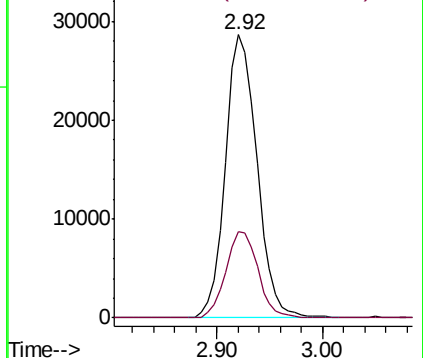
64 100

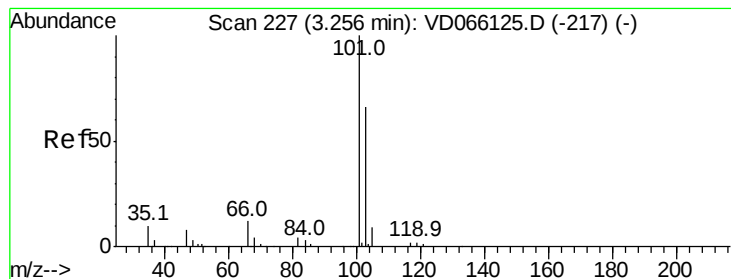
66 30.5 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



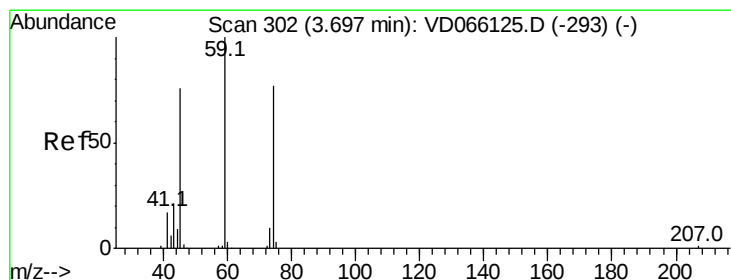
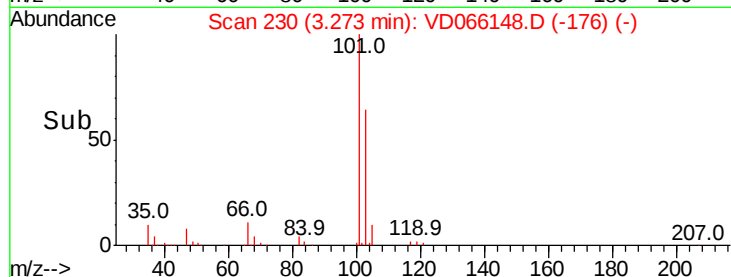
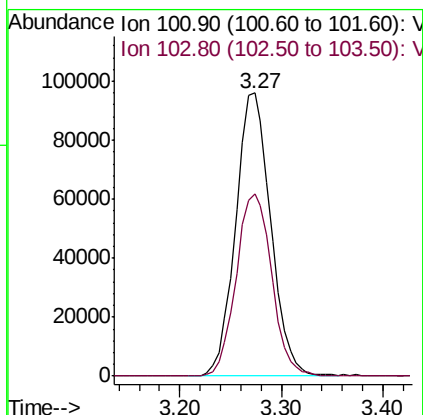
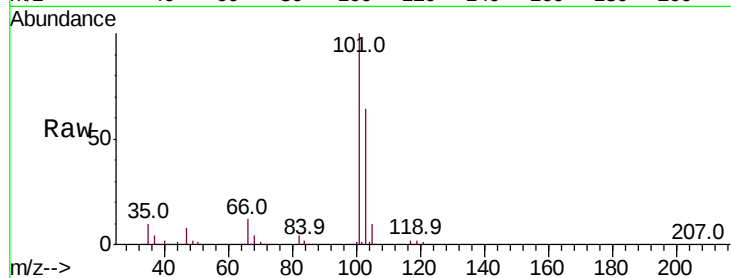


#7

Trichlorofluoromethane
Concen: 44.630 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.02 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

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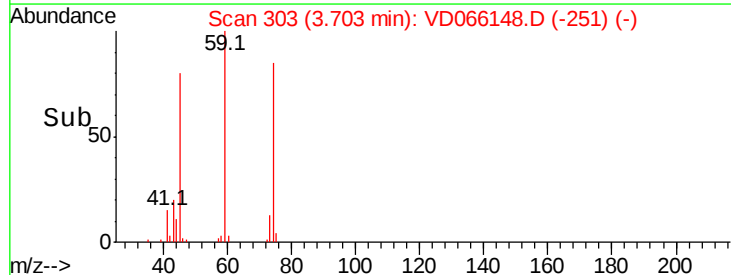
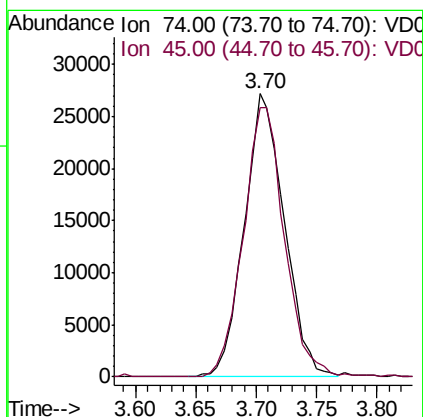
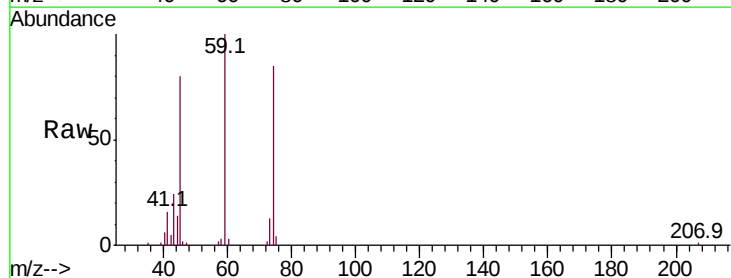
Tot Ion:101 Resp: 230493
Ion Ratio Lower Upper
101 100
103 64.5 53.0 79.6

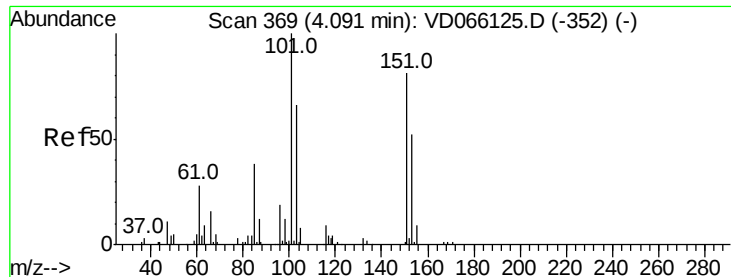


#8

Diethyl Ether
Concen: 43.037 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 74 Resp: 62716
Ion Ratio Lower Upper
74 100
45 98.0 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.786 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

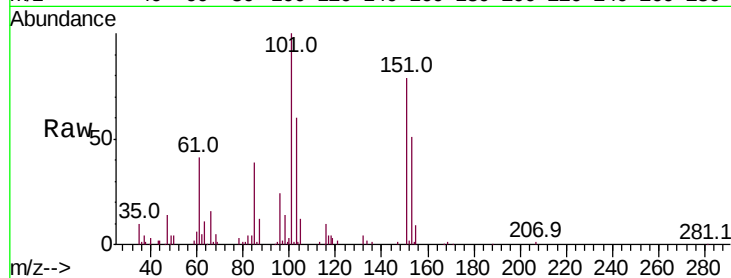
Tot Ion:101 Resp: 143401

Ion Ratio Lower Upper

101 100

85 40.6 33.5 50.3

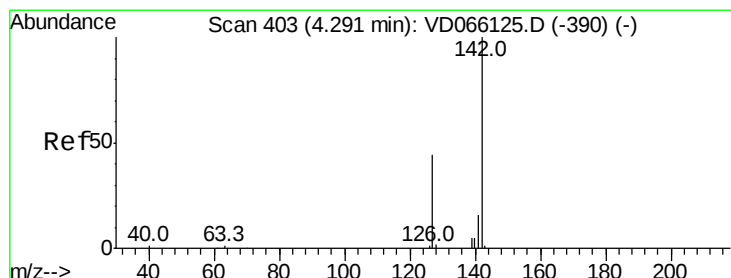
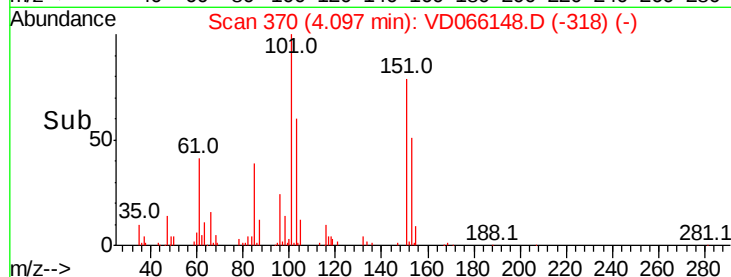
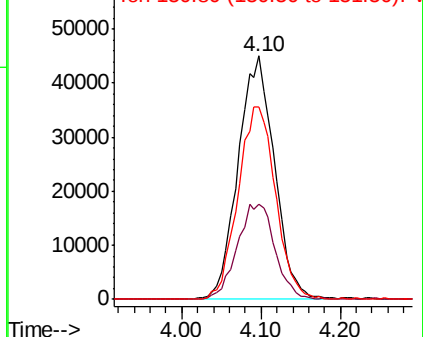
151 81.6 67.8 101.8



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: 50.816 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

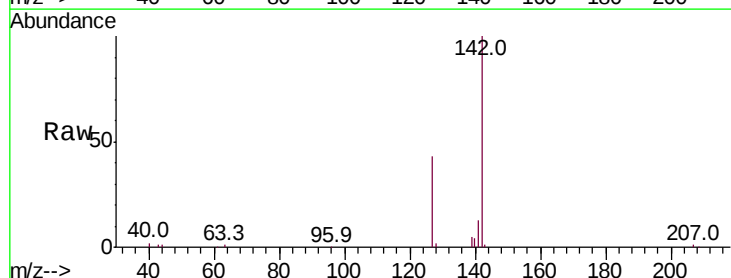
Tgt Ion:142 Resp: 142151

Ion Ratio Lower Upper

142 100

127 44.6 36.2 54.4

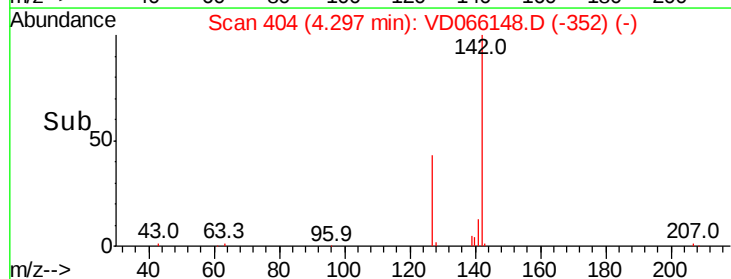
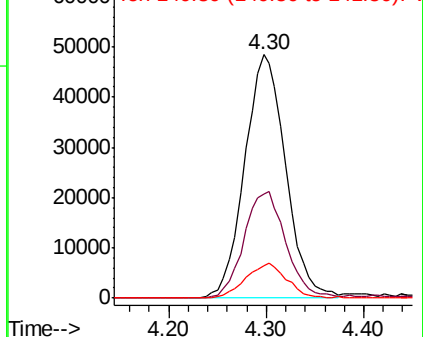
141 14.3 12.6 18.8

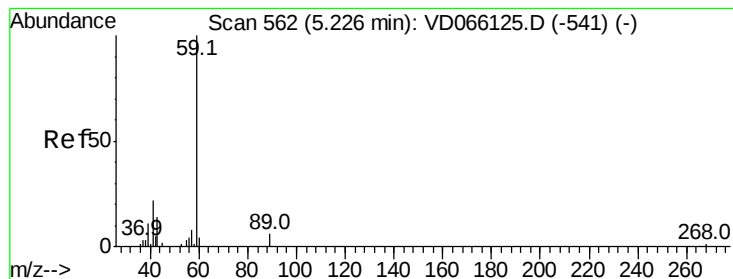


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 183.106 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

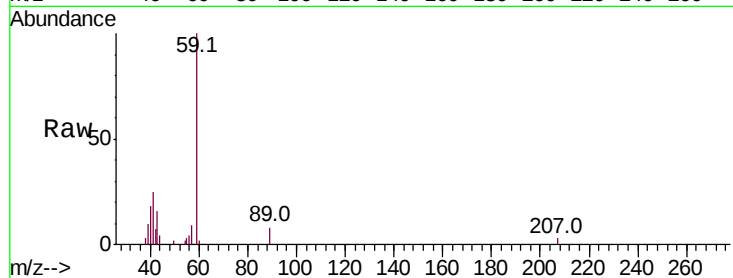
VSTDCCC050

Tot Ion: 59 Resp: 42036

Ion Ratio Lower Upper

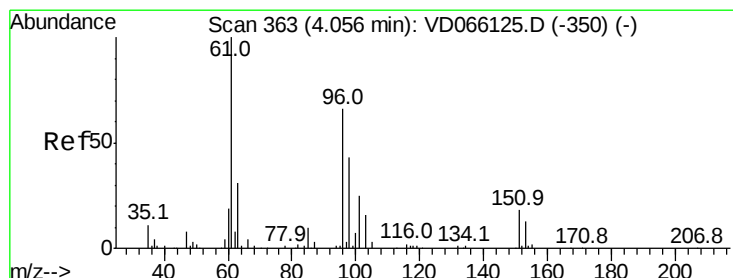
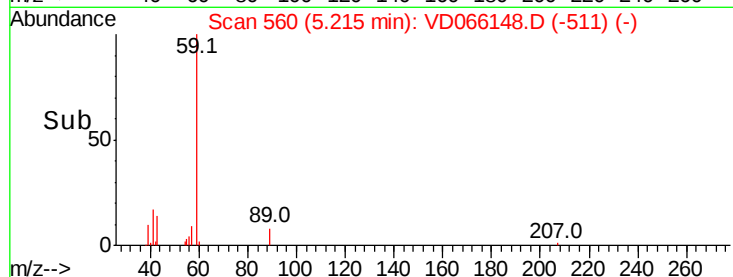
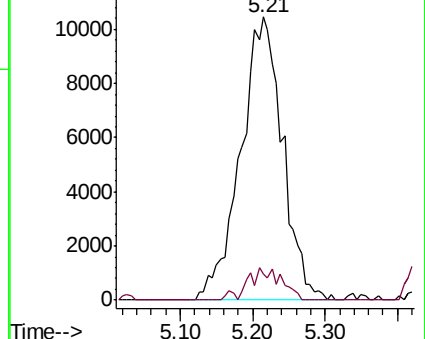
59 100

57 6.2 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 46.303 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

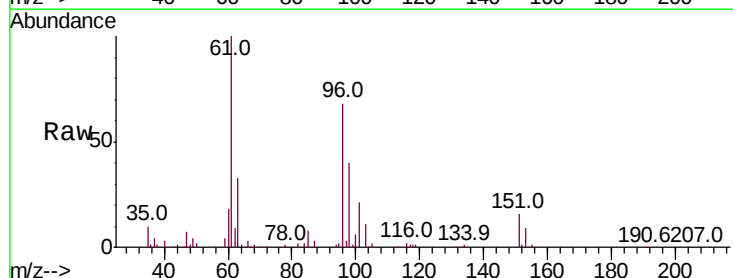
Tgt Ion: 96 Resp: 133880

Ion Ratio Lower Upper

96 100

61 148.1 121.6 182.4

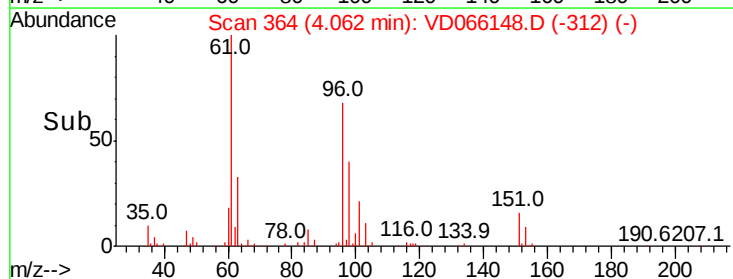
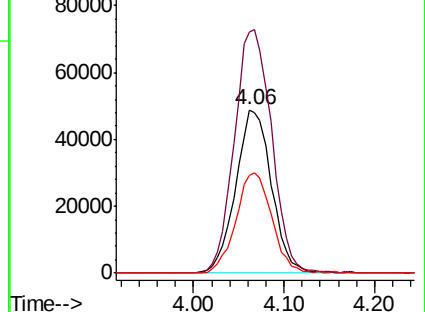
98 59.9 52.0 78.0

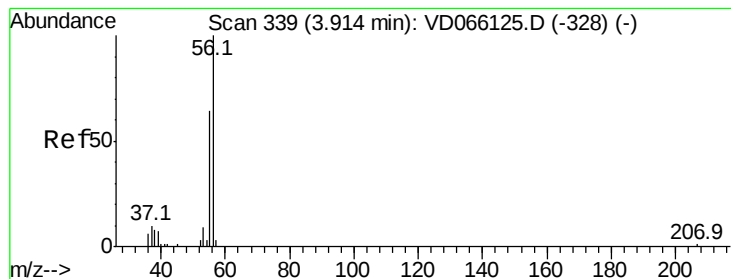


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 198.820 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

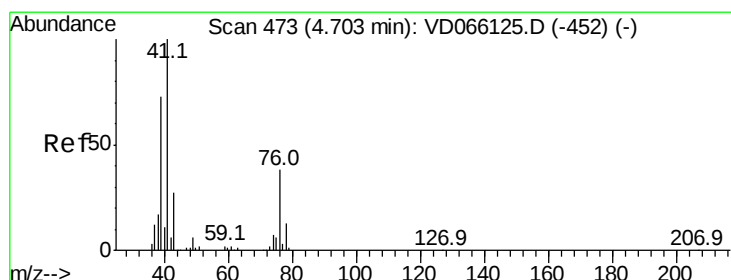
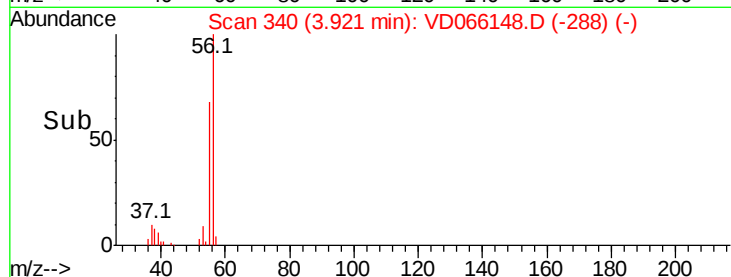
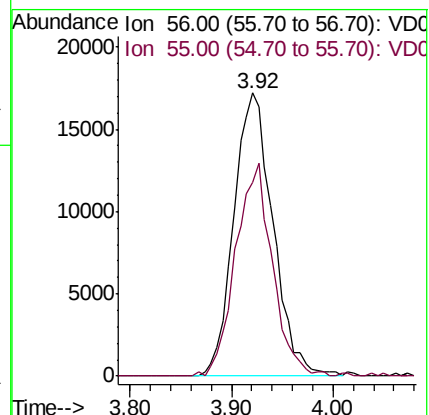
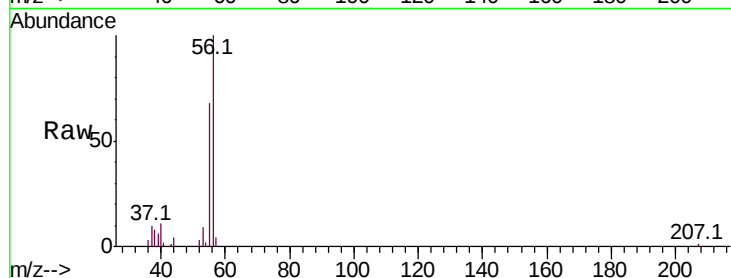
VSTDCCC050

Tot Ion: 56 Resp: 46096

Ion Ratio Lower Upper

56 100

55 70.5 56.7 85.1



#14

Allyl chloride

Concen: 46.104 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

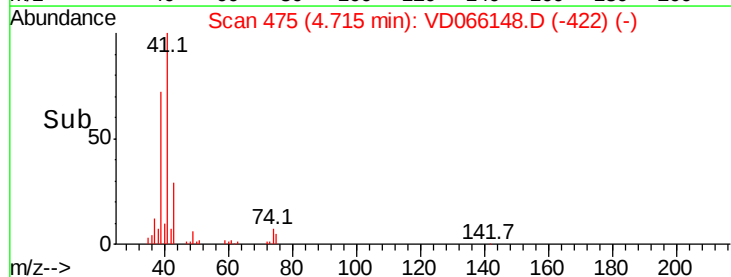
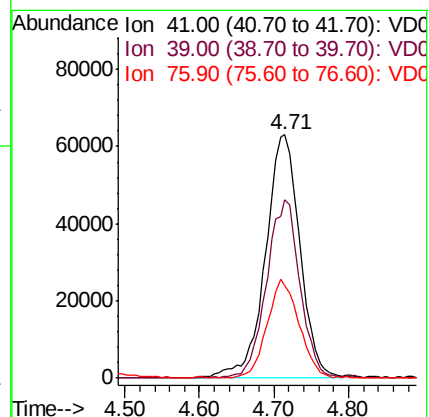
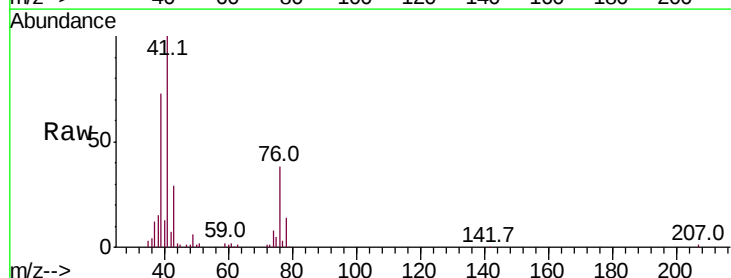
Tgt Ion: 41 Resp: 201954

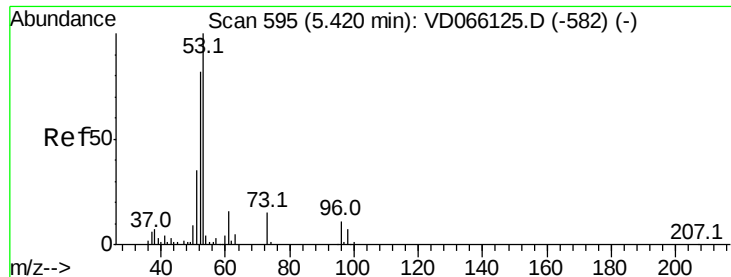
Ion Ratio Lower Upper

41 100

39 71.3 57.4 86.0

76 37.9 30.1 45.1





#15

Acrylonitrile

Concen: 225.656 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

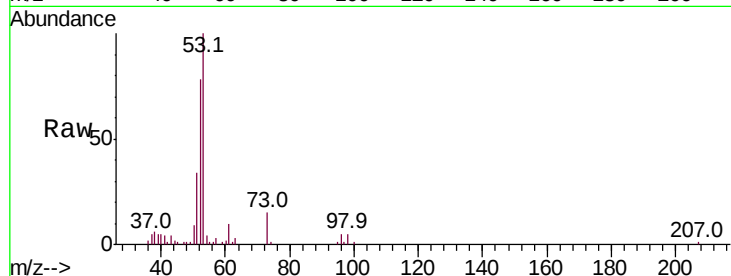
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 138570

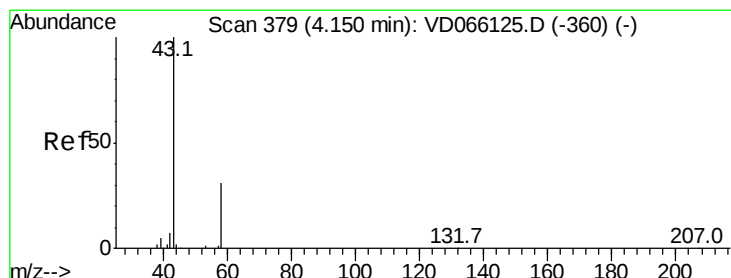
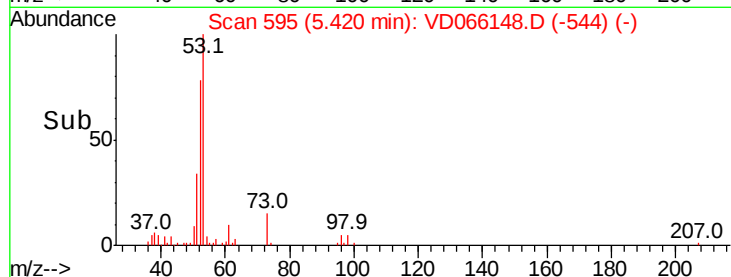
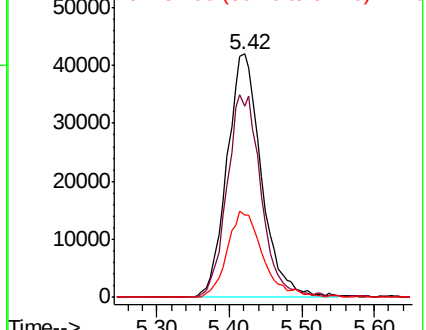
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	36.2	30.8	46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 301.986 ug/l

RT: 4.16 min Scan# 380

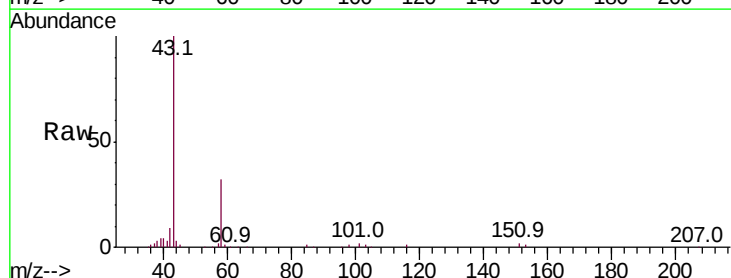
Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

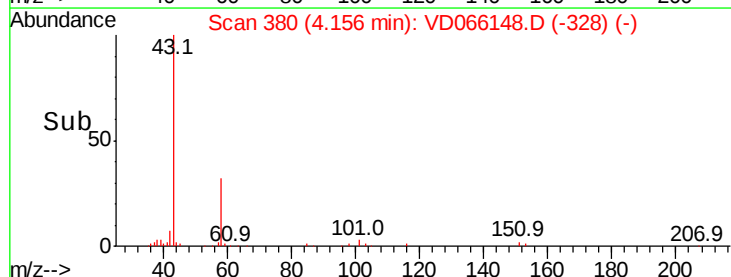
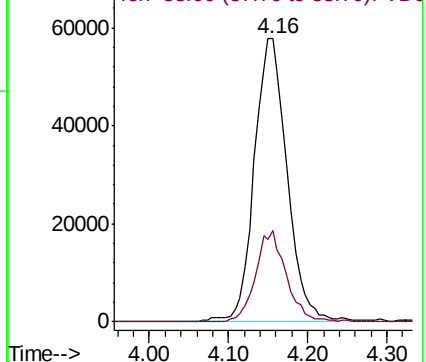
Tgt Ion: 43 Resp: 166899

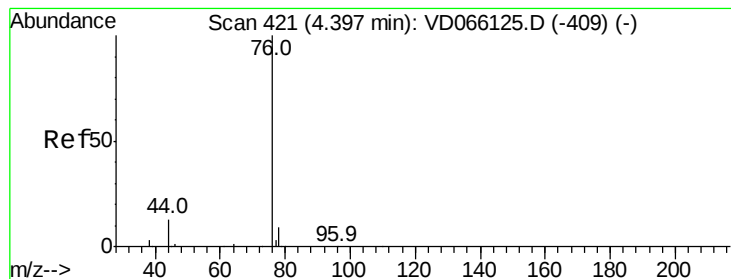
Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.7	37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 45.025 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

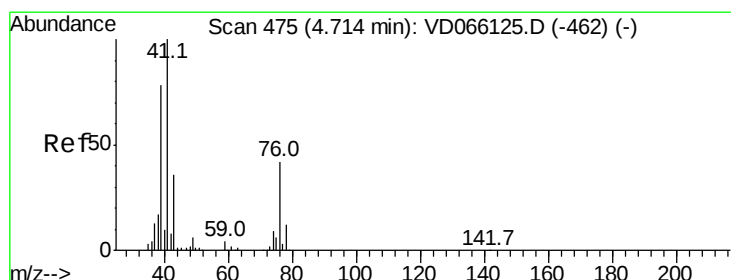
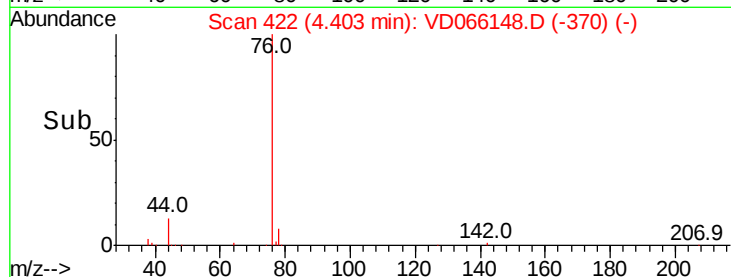
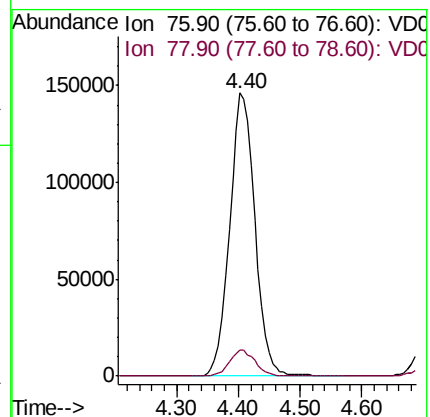
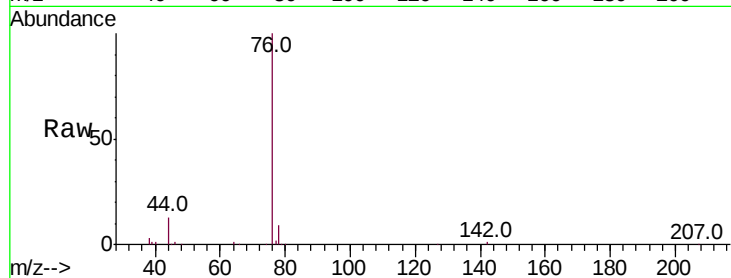
VSTDCCC050

Tot Ion: 76 Resp: 413931

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



#18

Methyl Acetate

Concen: 41.450 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066148.D

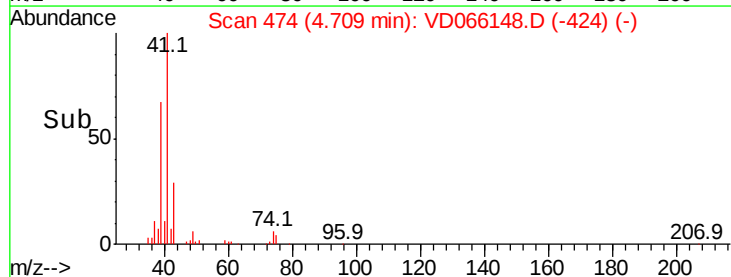
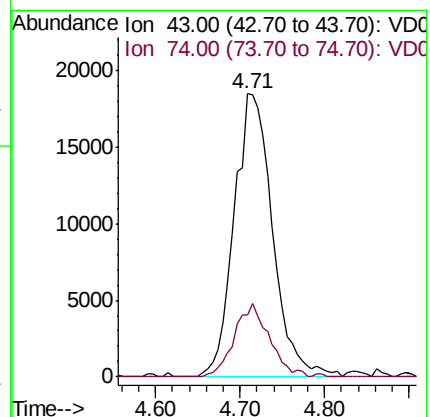
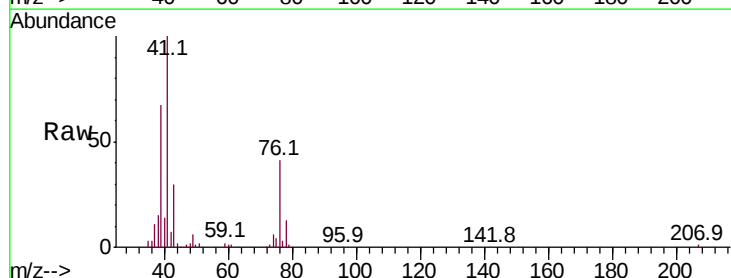
Acq: 07 Aug 2020 10:05

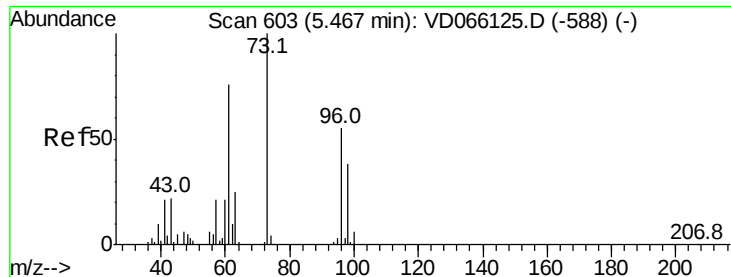
Tgt Ion: 43 Resp: 58187

Ion Ratio Lower Upper

43 100

74 23.5 21.2 31.8

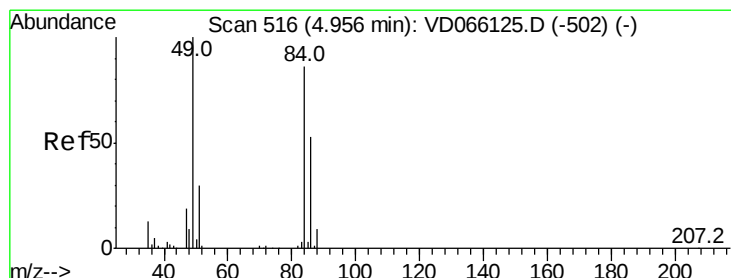
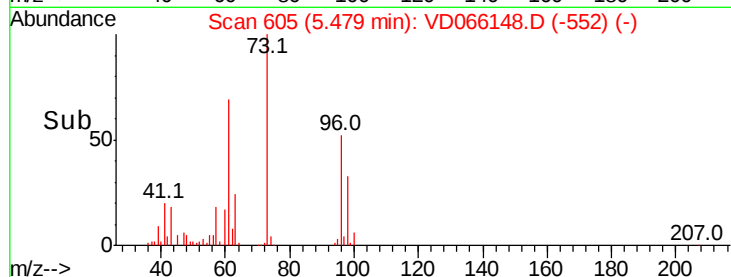
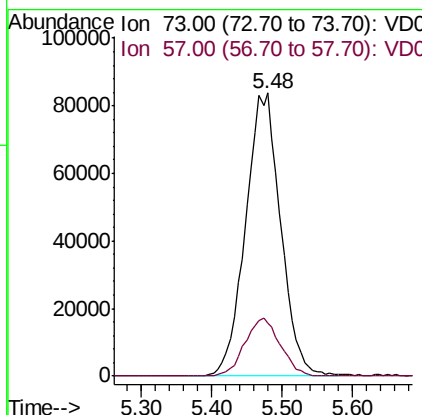
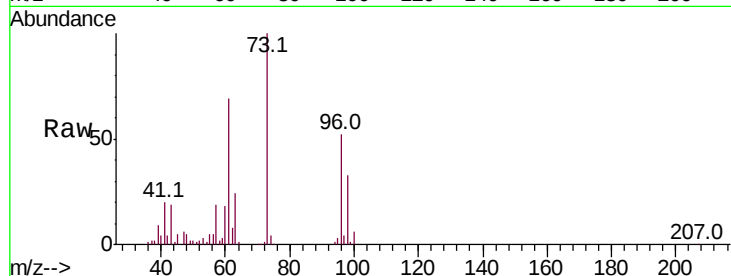




#19
Methvl tert-butvl Ether
Concen: 43.915 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

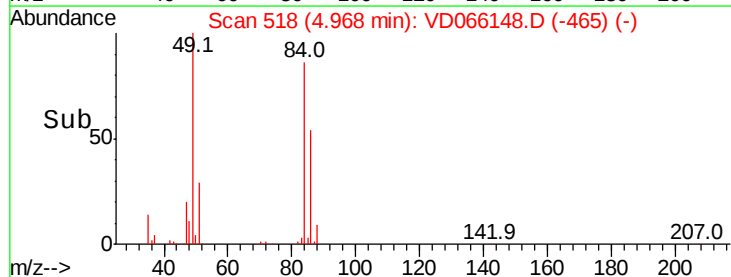
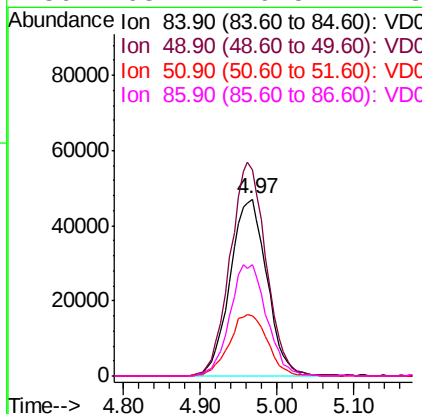
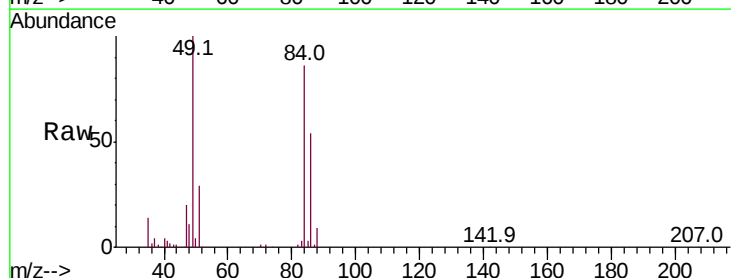
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

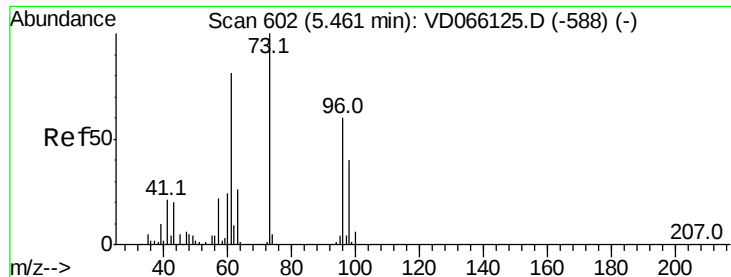
Tot Ion: 73 Resp: 291035
Ion Ratio Lower Upper
73 100
57 18.8 17.1 25.7



#20
Methylene Chloride
Concen: 49.509 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 84 Resp: 157286
Ion Ratio Lower Upper
84 100
49 116.0 93.5 140.3
51 34.2 28.2 42.4
86 63.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 45.354 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

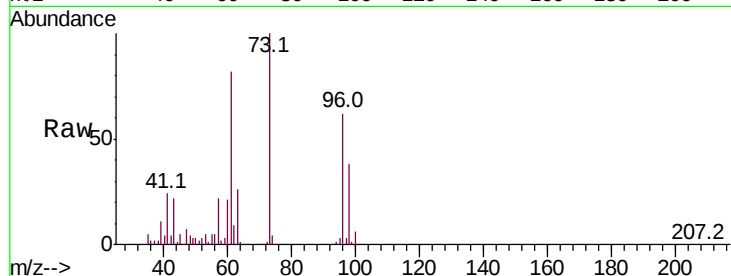
Tot Ion: 96 Resp: 150644

Ion Ratio Lower Upper

96 100

61 131.9 106.9 160.3

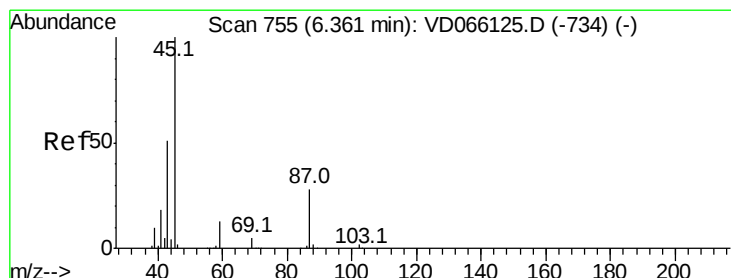
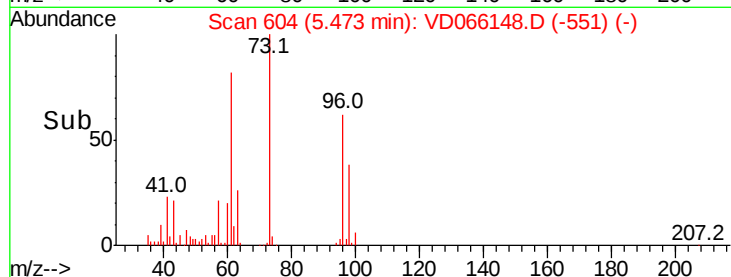
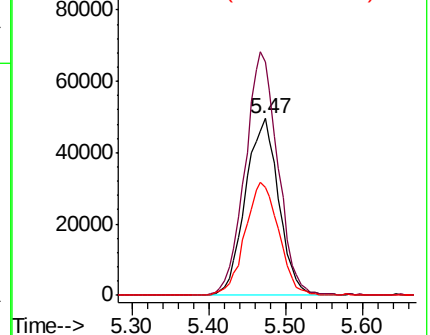
98 61.3 53.4 80.0



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



#22

Diisopropyl ether

Concen: 46.961 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Tgt Ion: 45 Resp: 406785

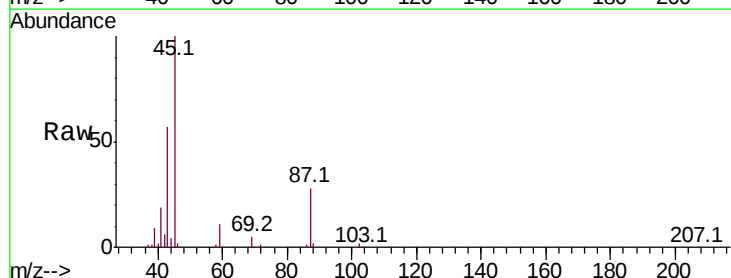
Ion Ratio Lower Upper

45 100

43 55.7 41.2 61.8

87 28.1 22.8 34.2

59 10.7 10.2 15.2

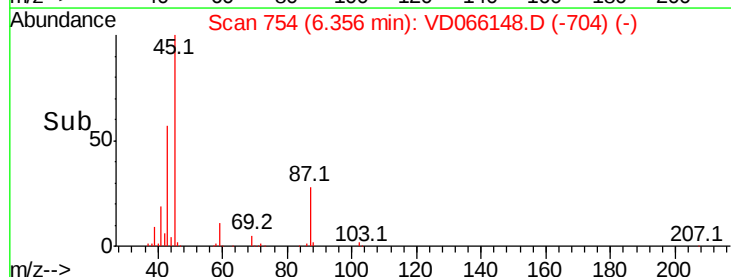
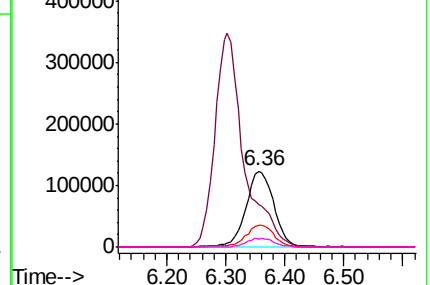


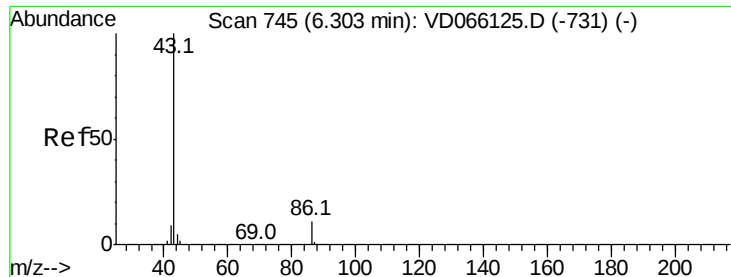
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 232.658 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

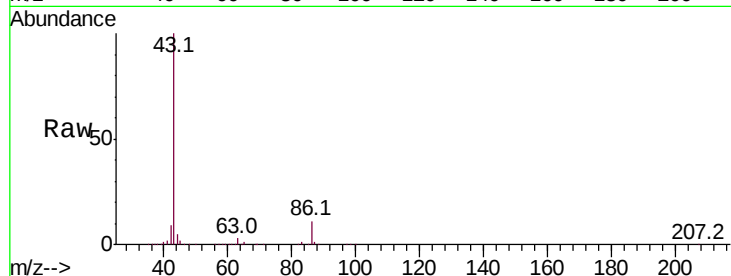
VSTDCCC050

Tot Ion: 43 Resp: 1180672

Ion Ratio Lower Upper

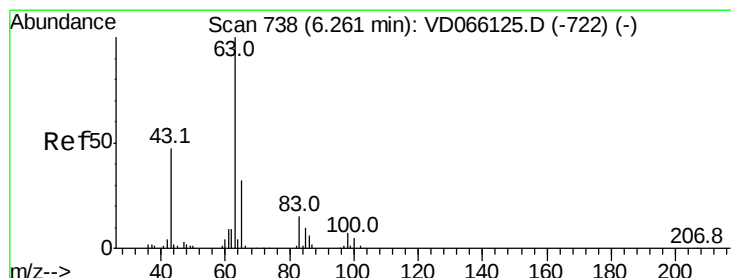
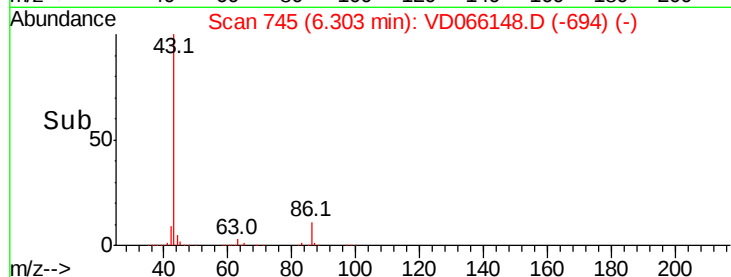
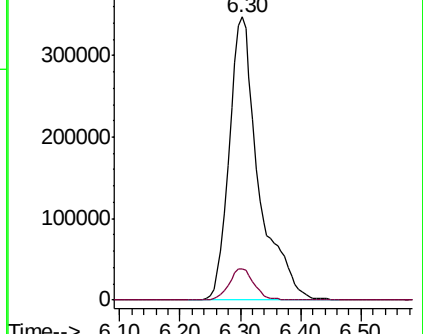
43 100

86 11.1 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.963 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

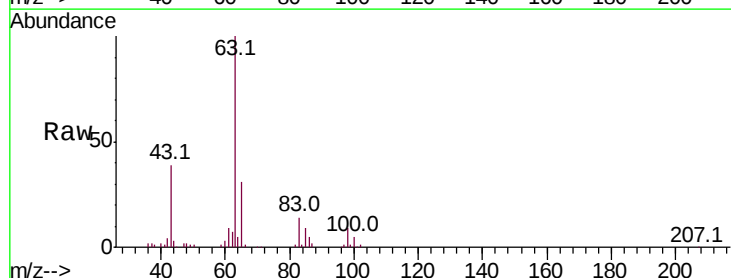
Tgt Ion: 63 Resp: 251756

Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.5

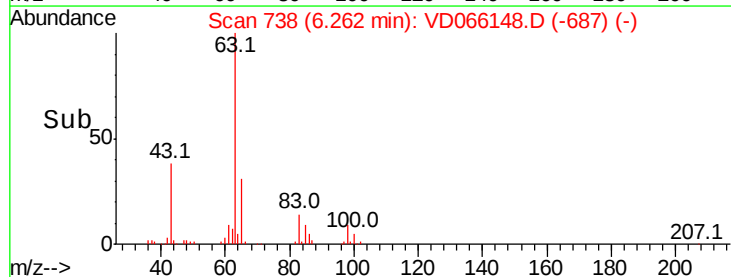
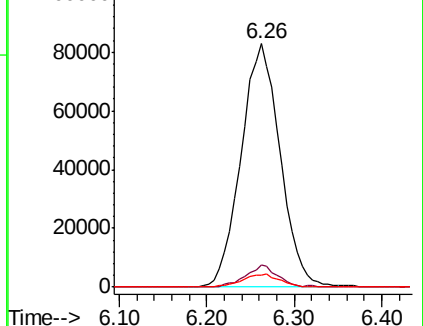
100 4.9 2.4 7.2

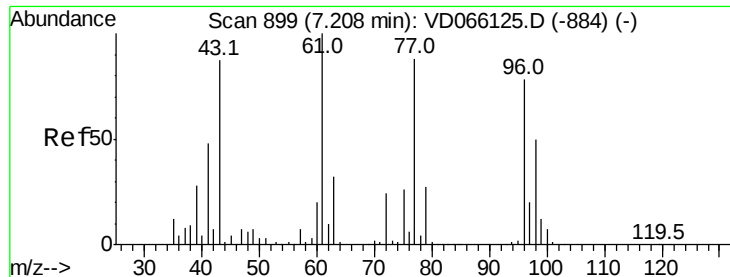


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 230.510 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

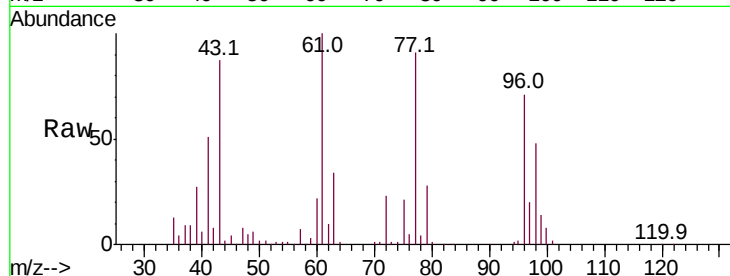
VSTDCCC050

Tot Ion: 43 Resp: 187376

Ion Ratio Lower Upper

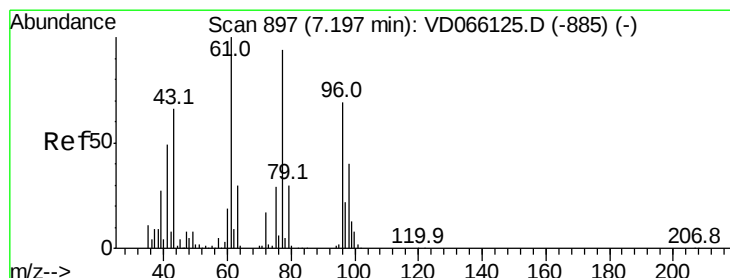
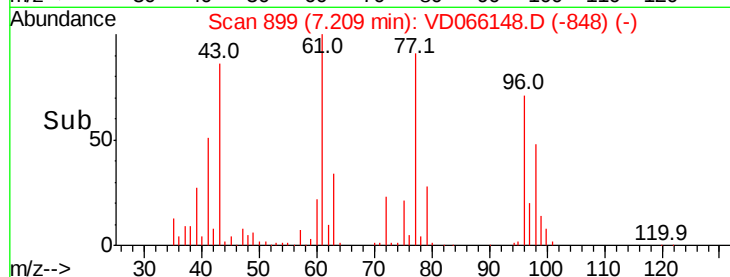
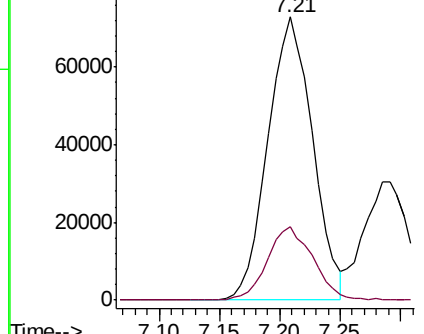
43 100

72 26.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.303 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066148.D

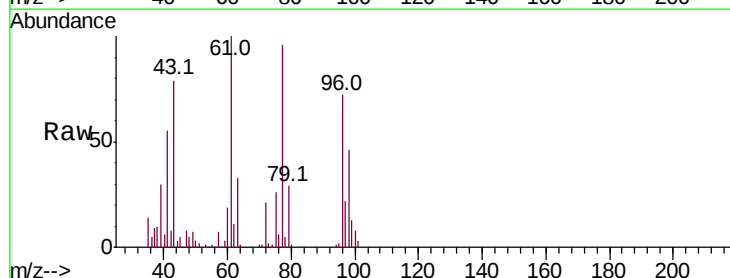
Acq: 07 Aug 2020 10:05

Tgt Ion: 77 Resp: 227277

Ion Ratio Lower Upper

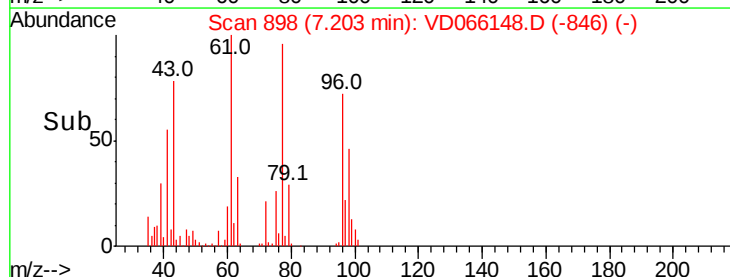
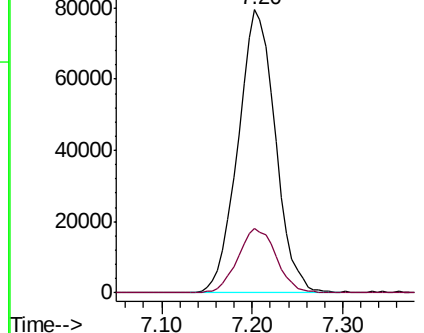
77 100

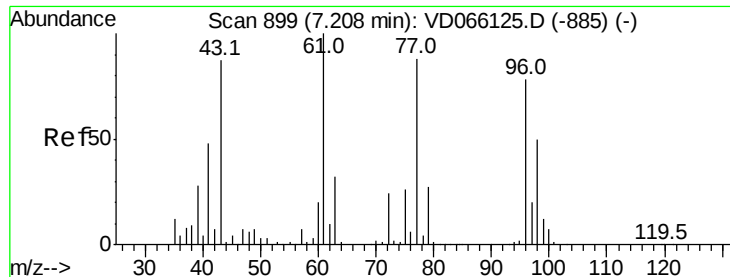
97 23.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



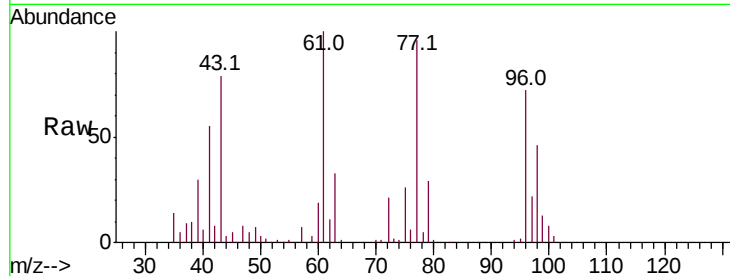


#27

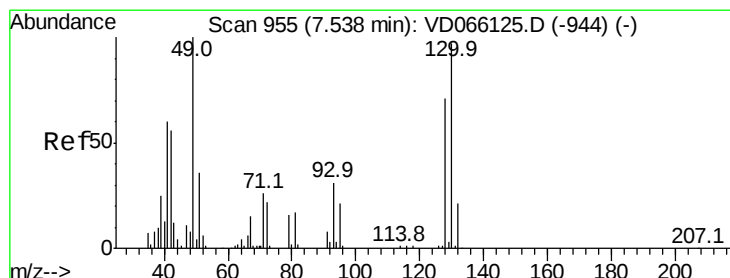
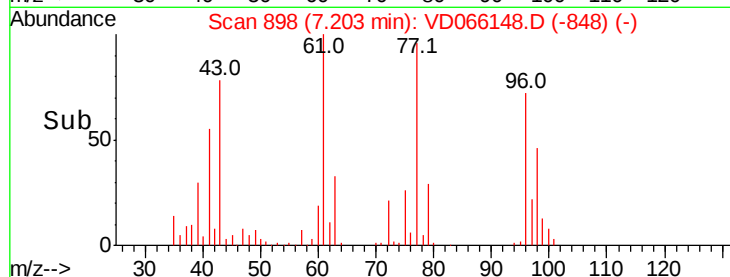
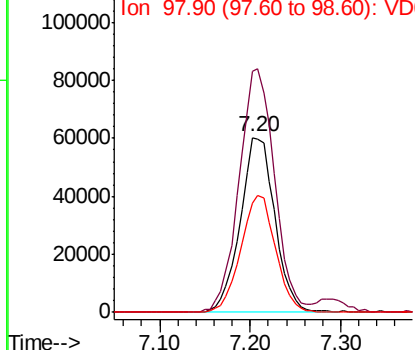
cis-1,2-Dichloroethene
Concen: 45.969 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 160152
Ion Ratio Lower Upper
96 100
61 142.2 0.0 281.6
98 67.0 0.0 130.8



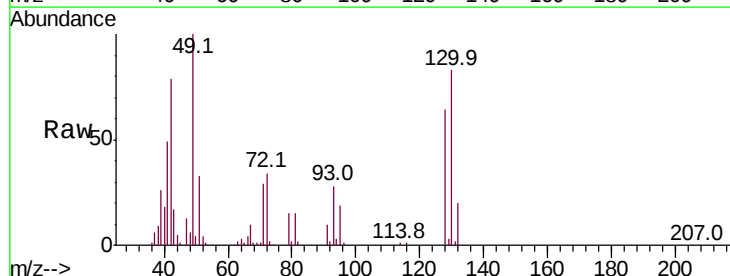
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



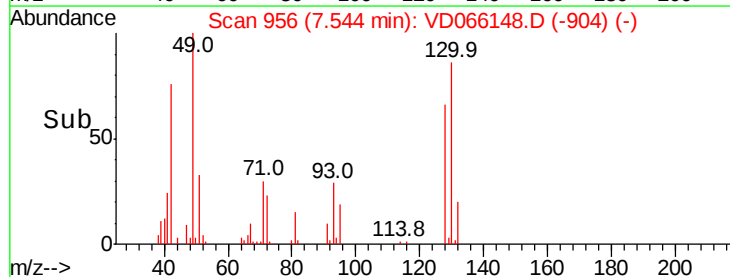
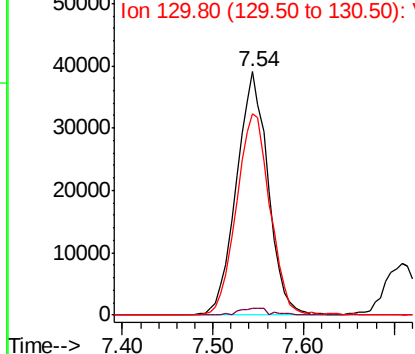
#28

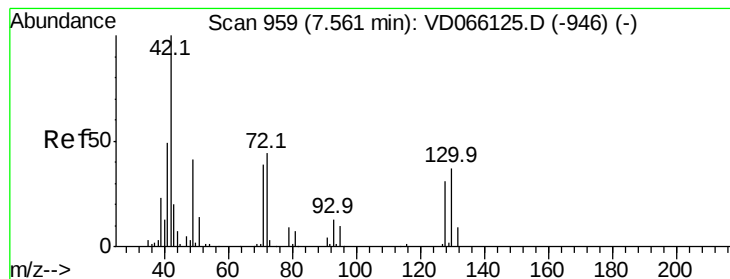
Bromochloromethane
Concen: 50.133 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 49 Resp: 94393
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.0
130 87.5 73.8 110.6



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: 219.771 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

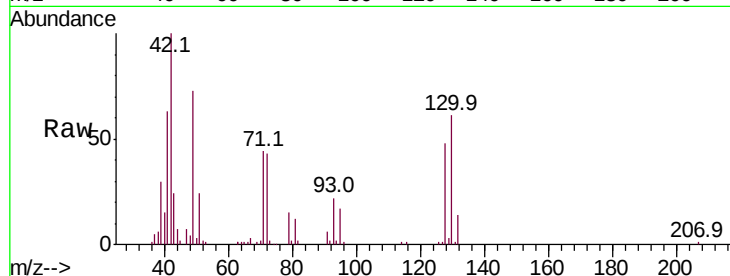
Tot Ion: 42 Resp: 110683

Ion Ratio Lower Upper

42 100

72 42.4 34.8 52.2

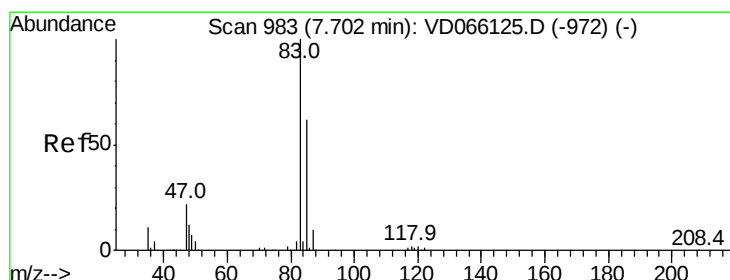
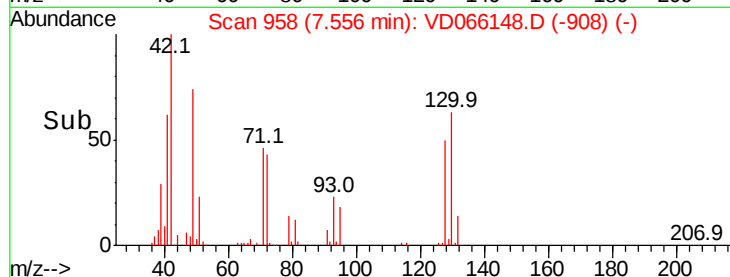
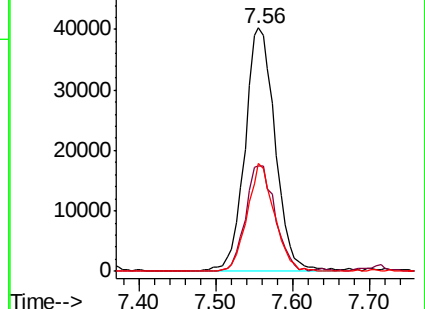
71 39.8 33.5 50.3



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 46.502 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066148.D

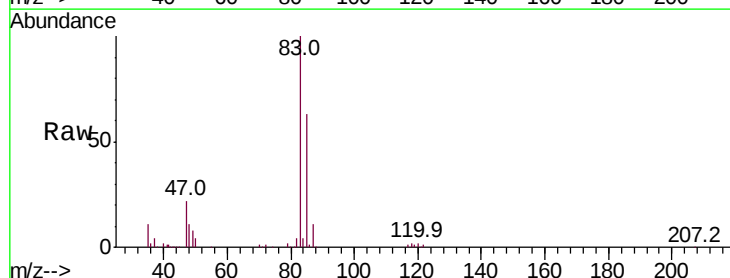
Acq: 07 Aug 2020 10:05

Tgt Ion: 83 Resp: 261759

Ion Ratio Lower Upper

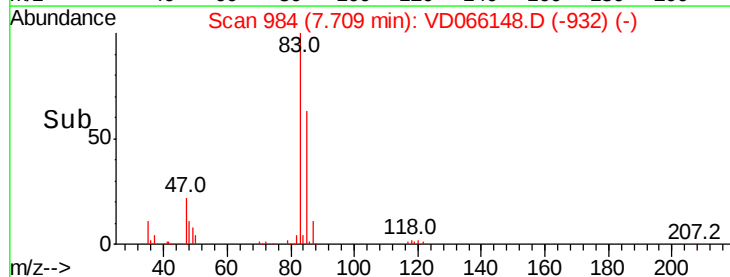
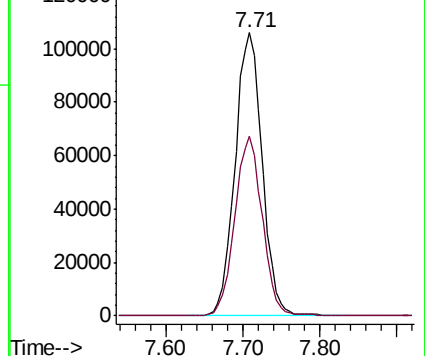
83 100

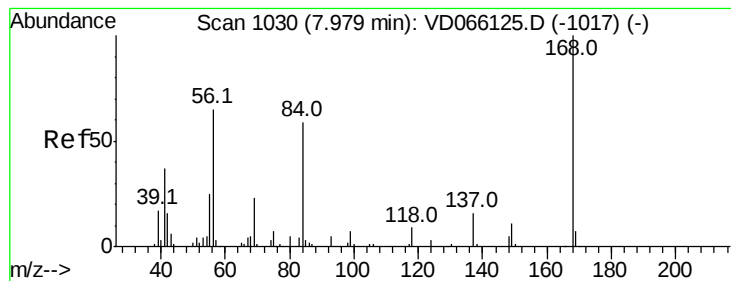
85 63.4 49.5 74.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 43.611 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

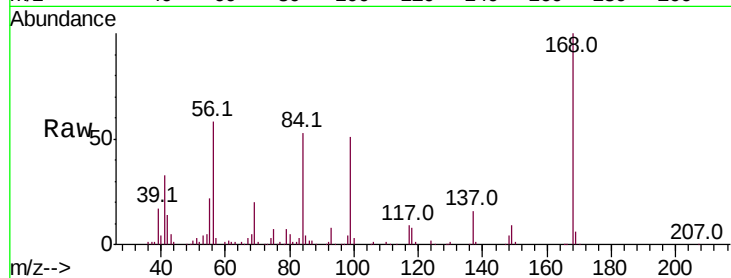
Tot Ion: 56 Resp: 222543

Ion Ratio Lower Upper

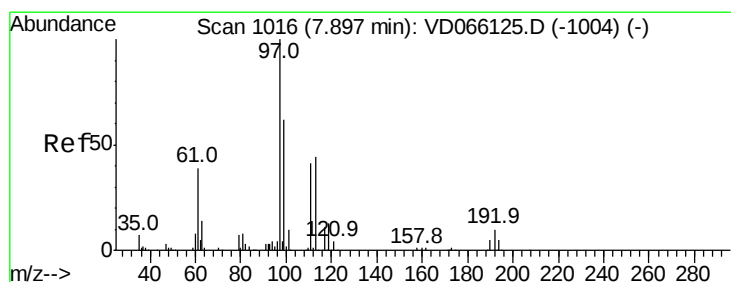
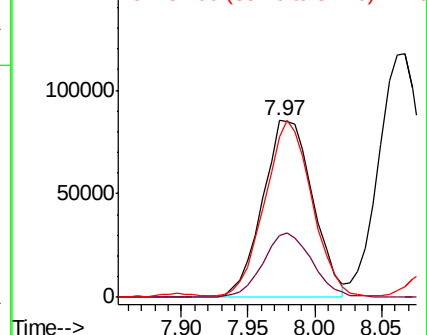
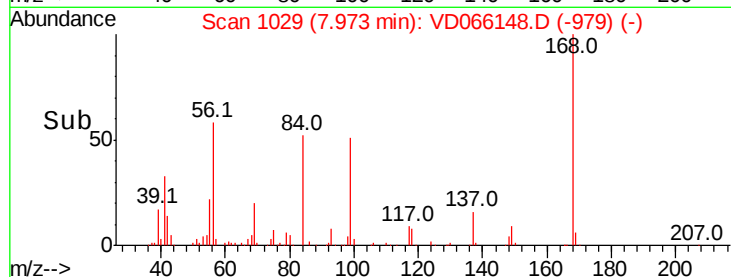
56 100

69 34.7 28.8 43.2

84 89.2 73.0 109.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 46.435 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

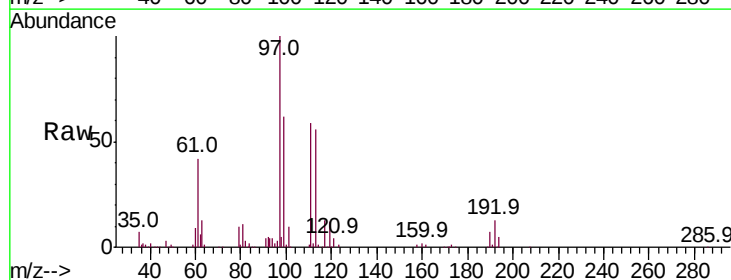
Tgt Ion: 97 Resp: 245073

Ion Ratio Lower Upper

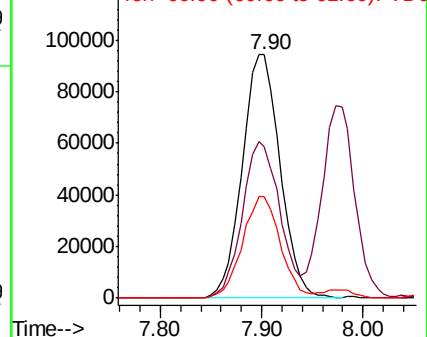
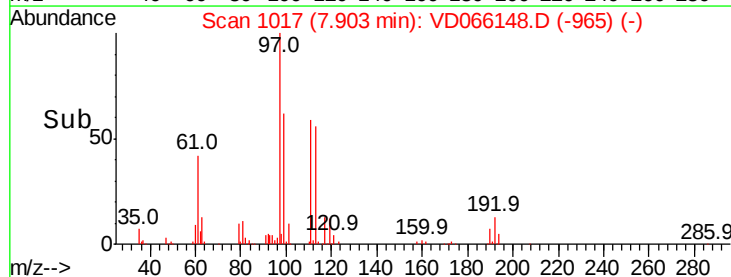
97 100

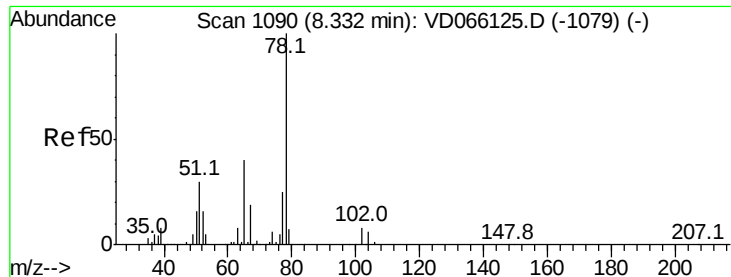
99 63.7 51.1 76.7

61 41.4 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.944 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

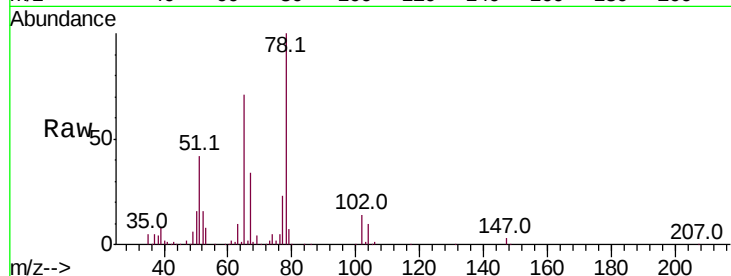
VSTDCCC050

Tot Ion: 65 Resp: 148388

Ion Ratio Lower Upper

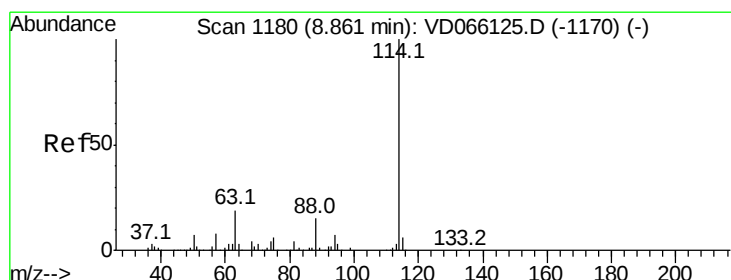
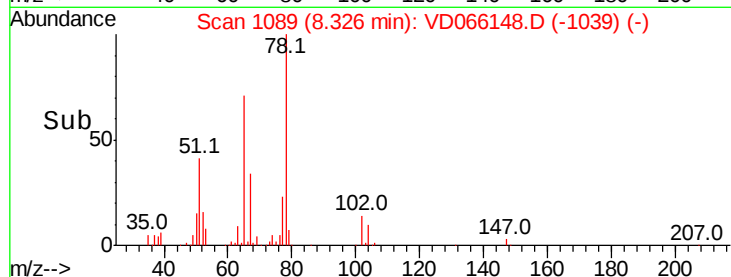
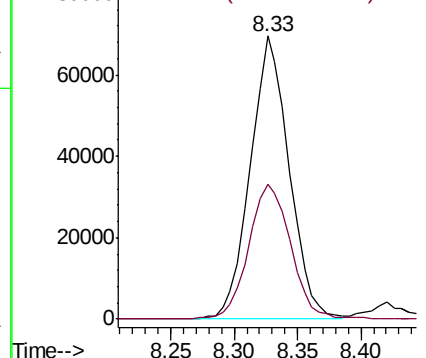
65 100

67 51.6 0.0 104.6



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

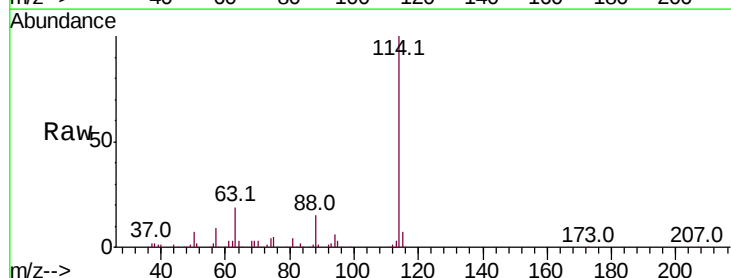
Tgt Ion:114 Resp: 464727

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.6

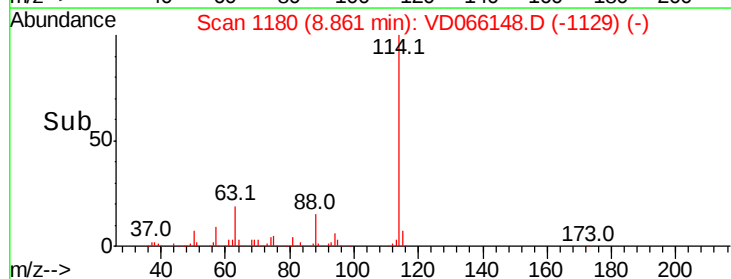
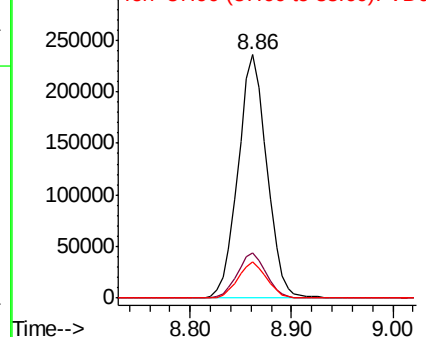
88 14.7 0.0 30.0

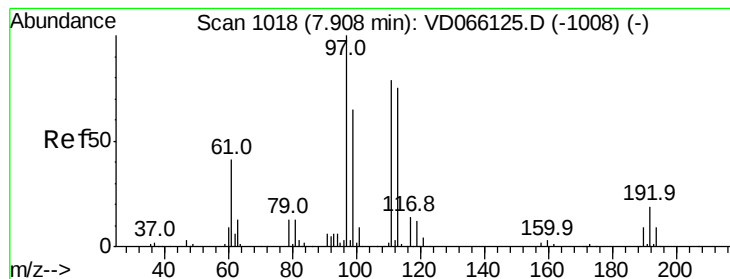


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.746 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

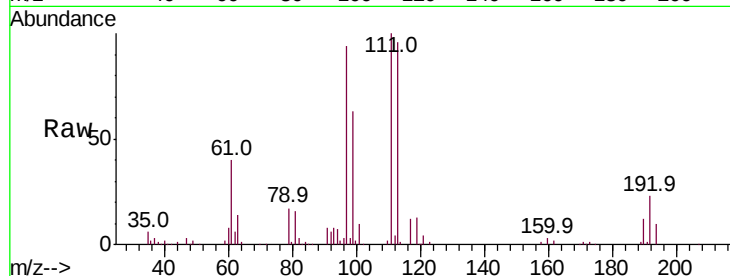
Tot Ion:113 Resp: 152340

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

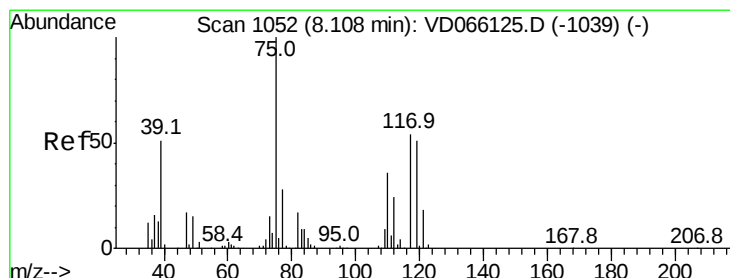
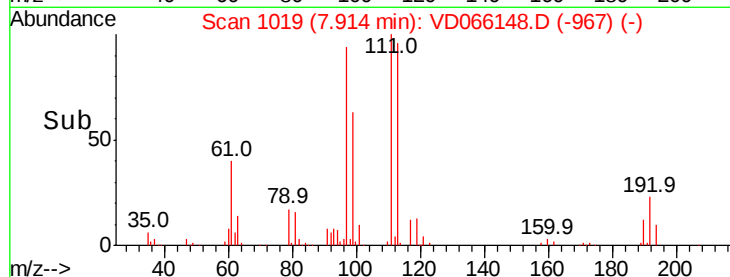
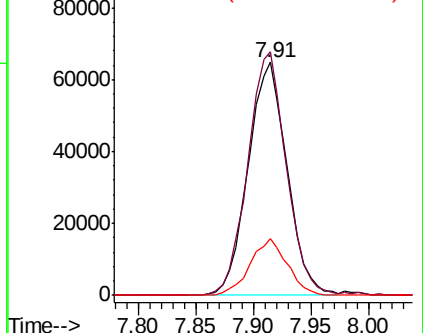
192 23.2 18.4 27.6



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: 47.558 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

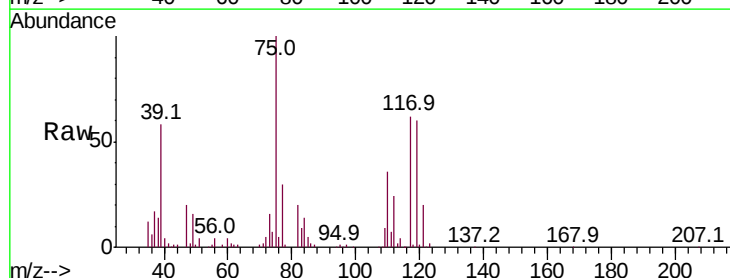
Tgt Ion: 75 Resp: 207685

Ion Ratio Lower Upper

75 100

110 36.3 18.8 56.3

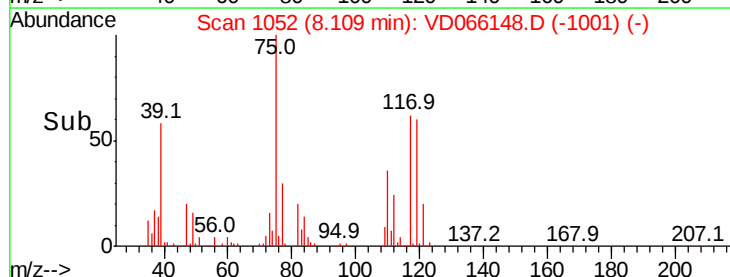
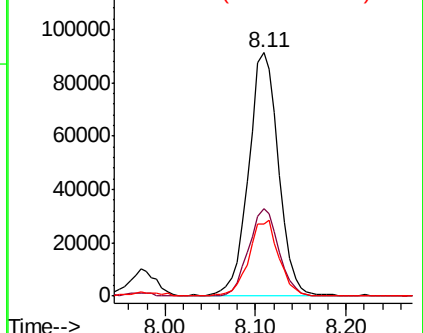
77 31.4 24.2 36.2

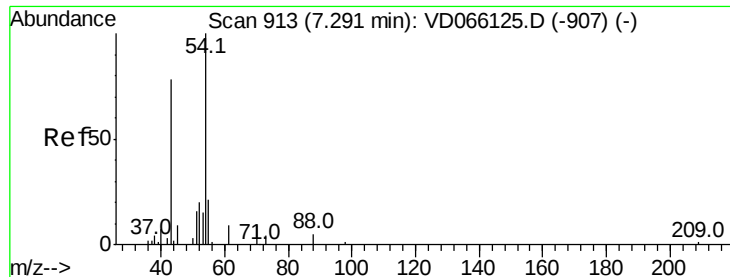


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

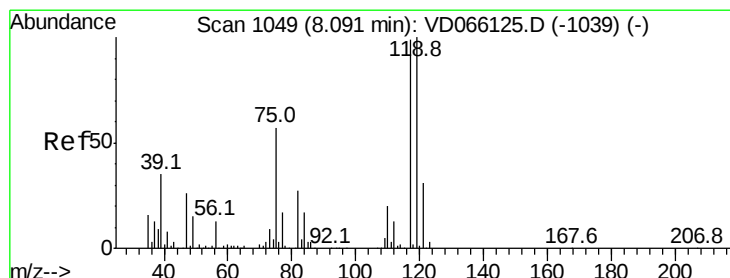
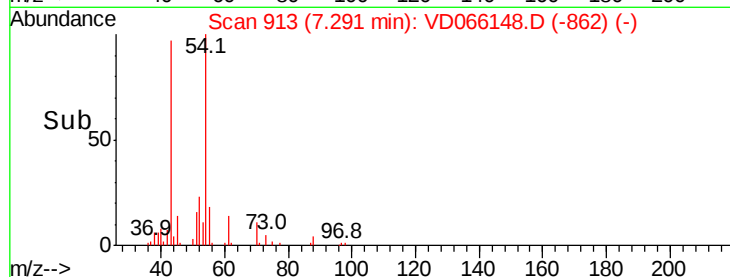
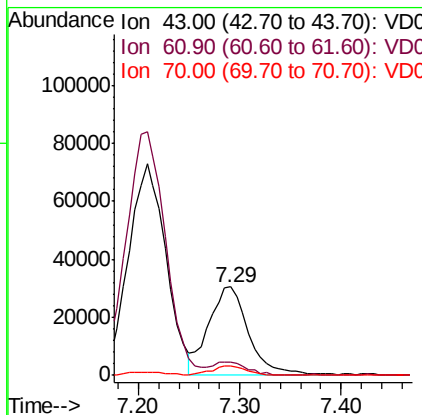
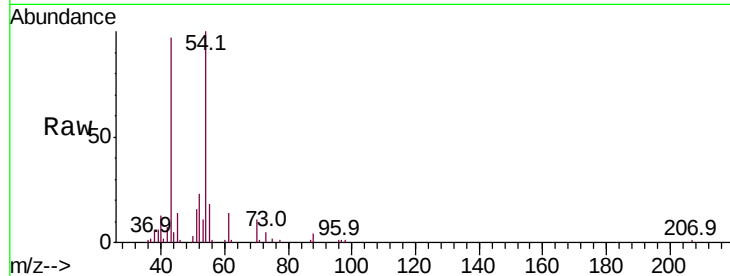




#37
Ethyl Acetate
Concen: 47.095 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

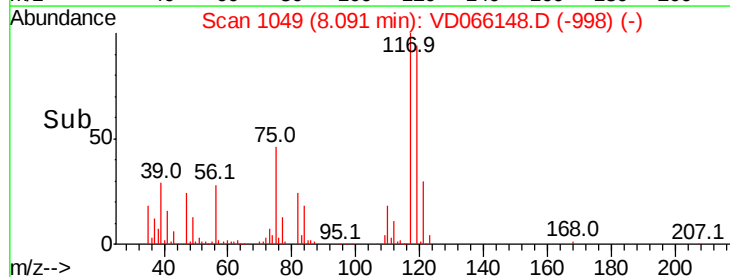
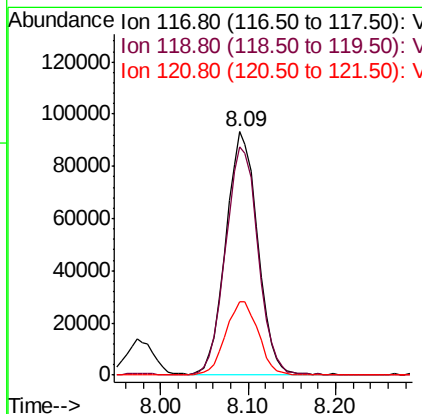
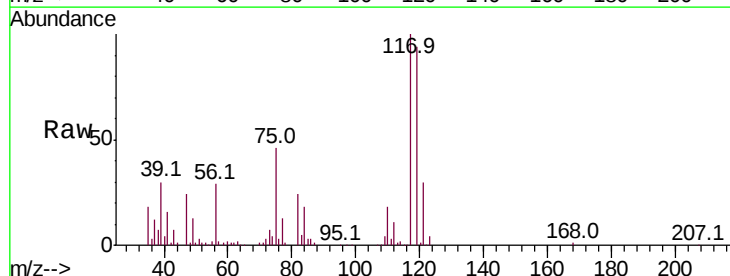
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

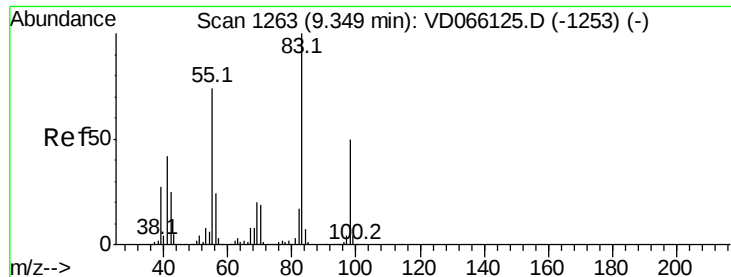
Tot Ion: 43 Resp: 81487
Ion Ratio Lower Upper
43 100
61 12.5 12.0 18.0
70 9.9 9.7 14.5



#38
Carbon Tetrachloride
Concen: 47.345 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 117 Resp: 230564
Ion Ratio Lower Upper
117 100
119 93.7 81.0 121.4
121 30.2 24.8 37.2

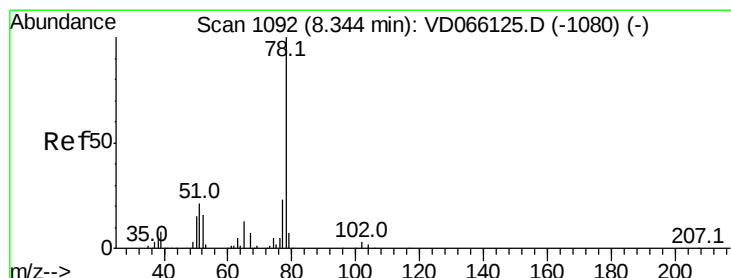
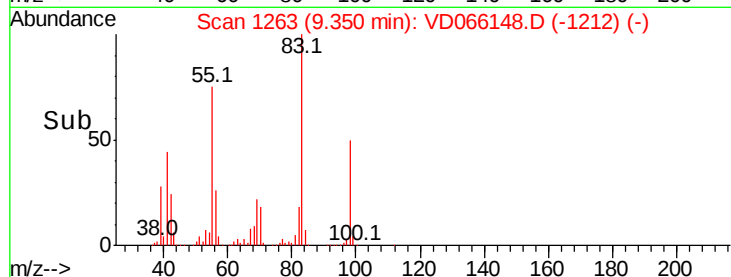
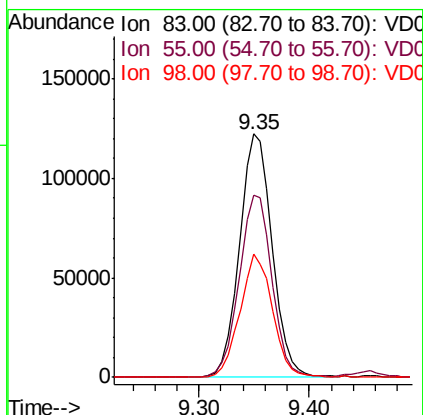
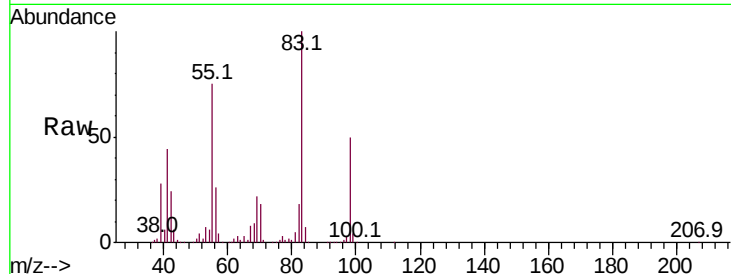




#39
Methvlcvclohexane
Concen: 48.206 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

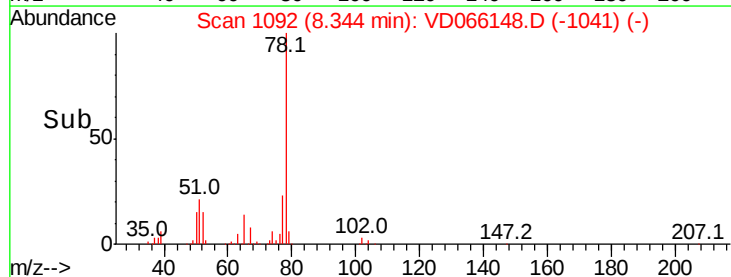
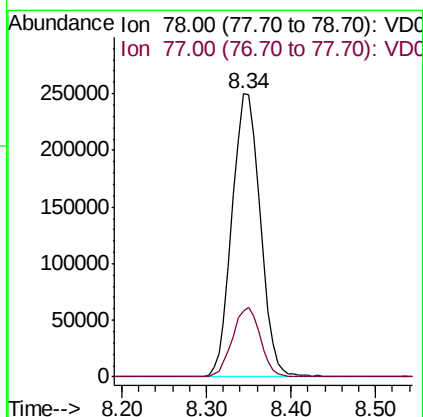
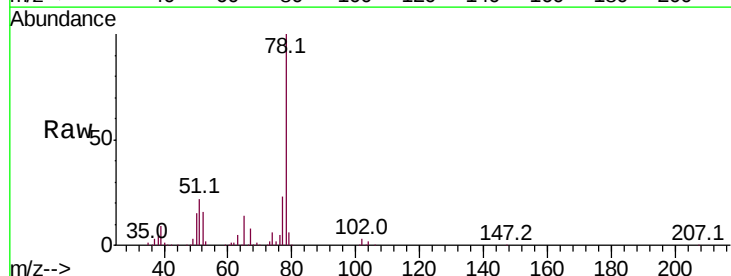
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

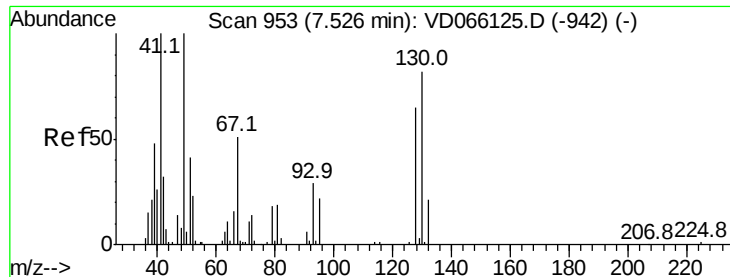
Tot Ion: 83 Resp: 254482
Ion Ratio Lower Upper
83 100
55 74.9 59.2 88.8
98 50.5 39.8 59.6



#40
Benzene
Concen: 47.742 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 78 Resp: 578367
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8

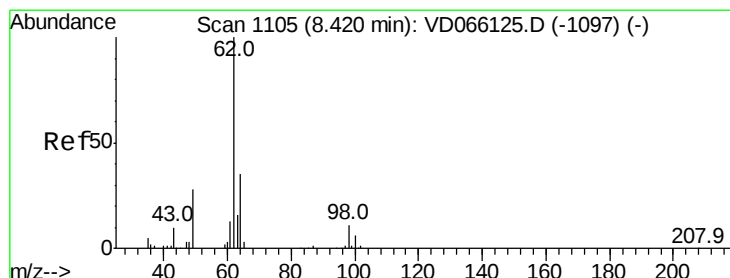
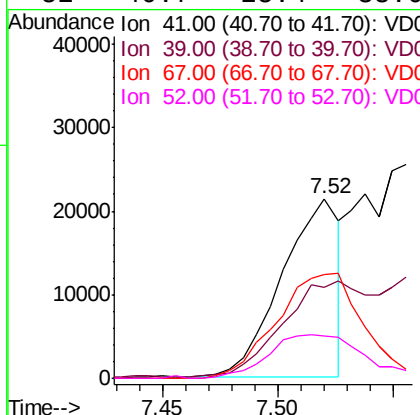
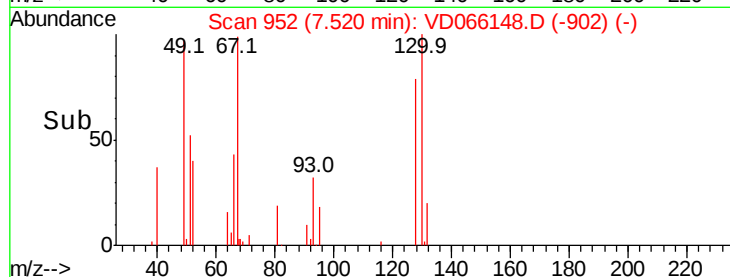
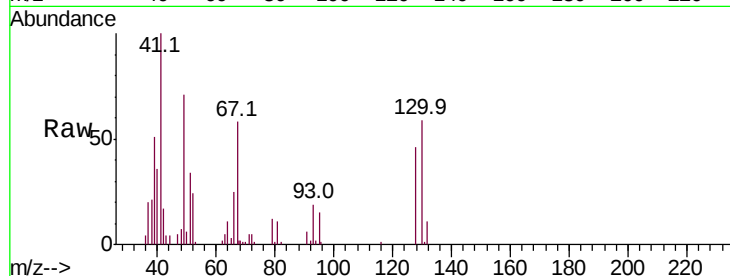




#41
Methacrylonitrile
Concen: 36.582 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

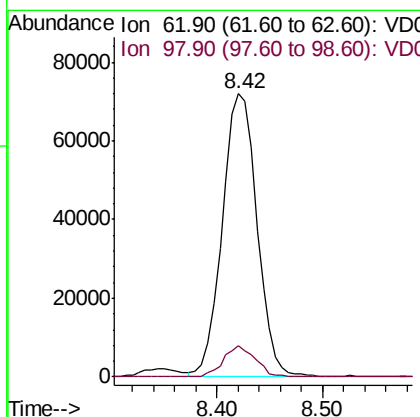
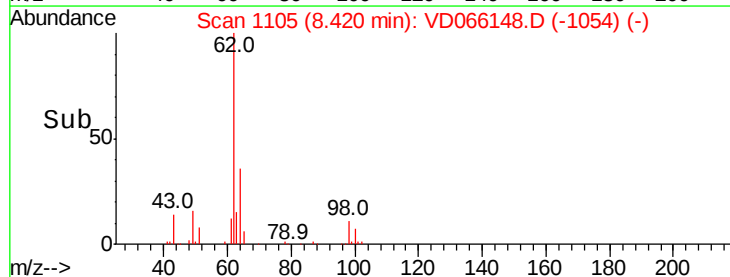
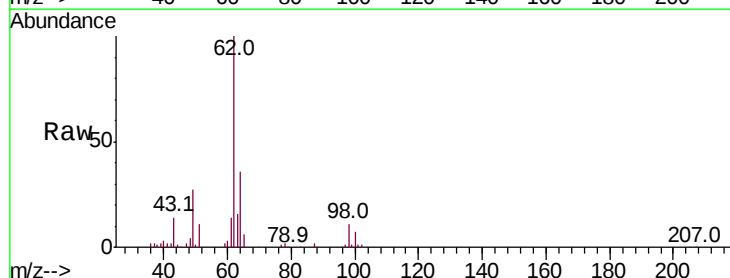
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

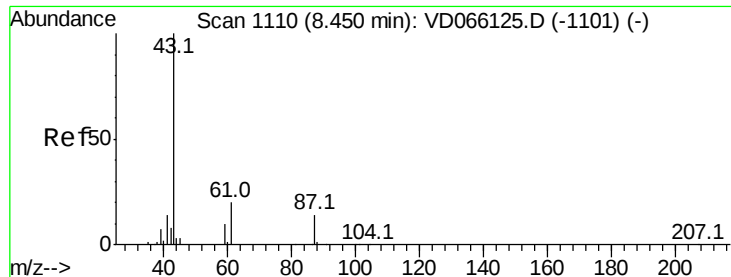
Tot Ion: 41 Resp: 37217
Ion Ratio Lower Upper
41 100
39 76.2 47.5 71.3#
67 88.8 59.1 88.7#
52 40.7 25.4 38.0#



#42
1,2-Dichloroethane
Concen: 46.065 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 62 Resp: 163941
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.4





#43

Isopropyl Acetate

Concen: 44.952 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

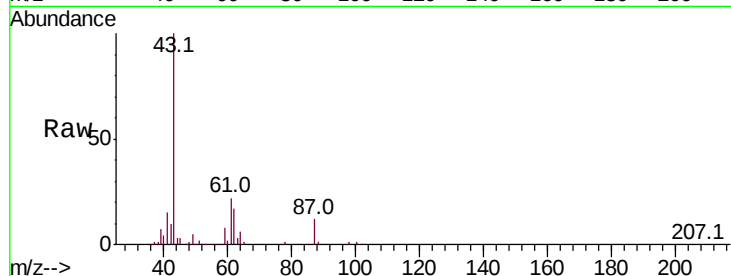
Tot Ion: 43 Resp: 153249

Ion Ratio Lower Upper

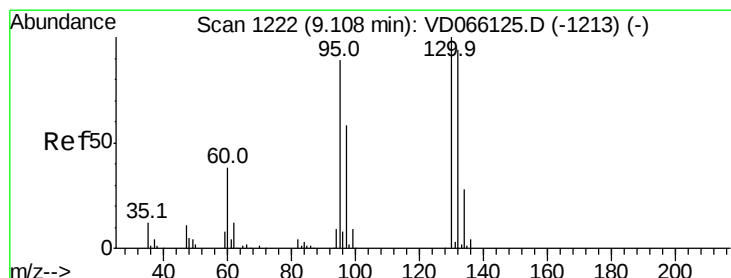
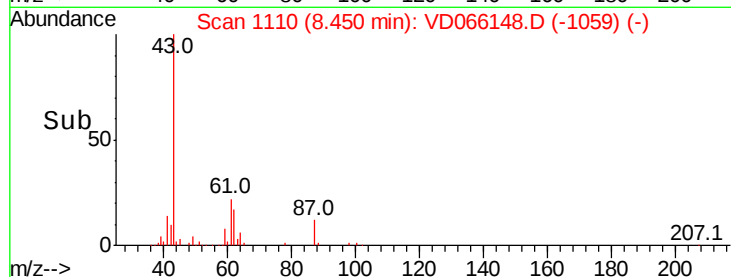
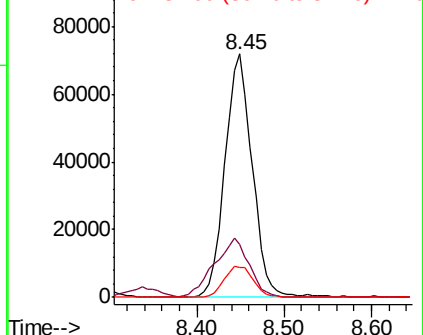
43 100

61 31.4 25.5 38.3

87 13.7 11.2 16.8



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: 47.087 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066148.D

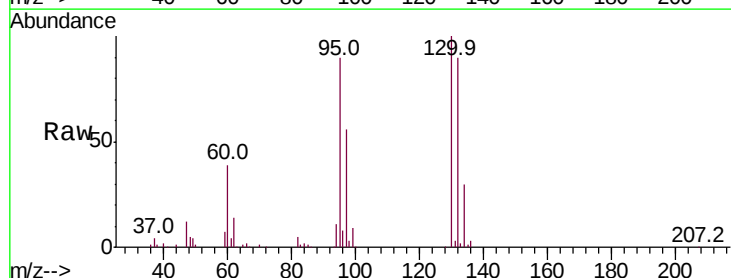
Acq: 07 Aug 2020 10:05

Tgt Ion:130 Resp: 171891

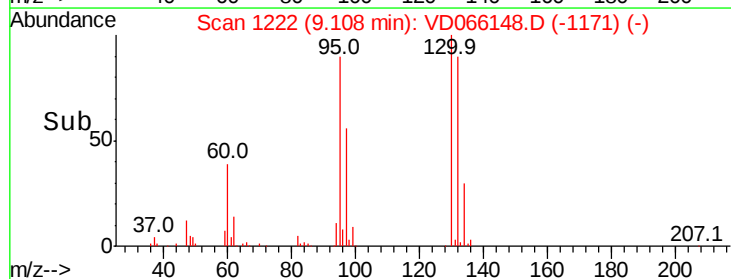
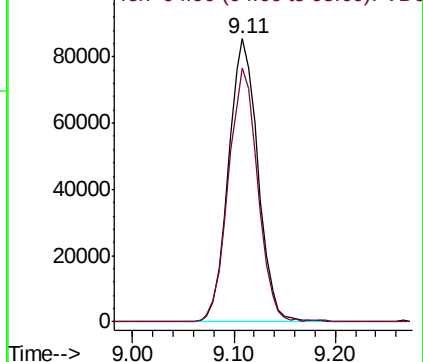
Ion Ratio Lower Upper

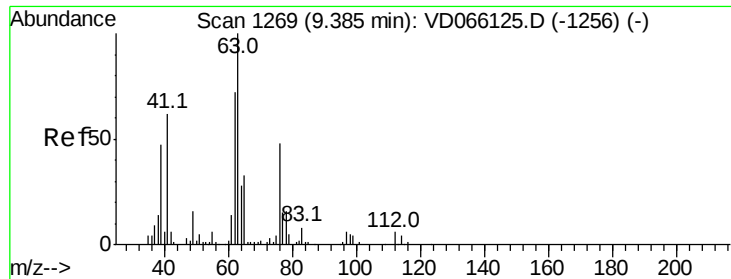
130 100

95 89.6 0.0 178.4



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

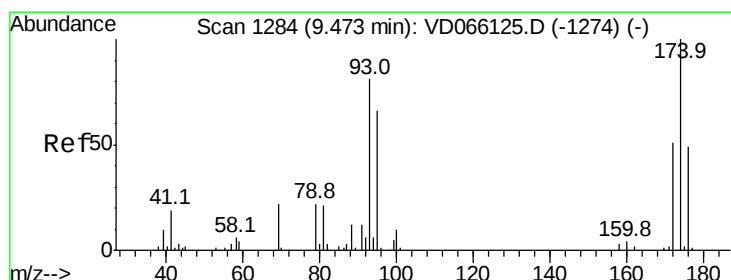
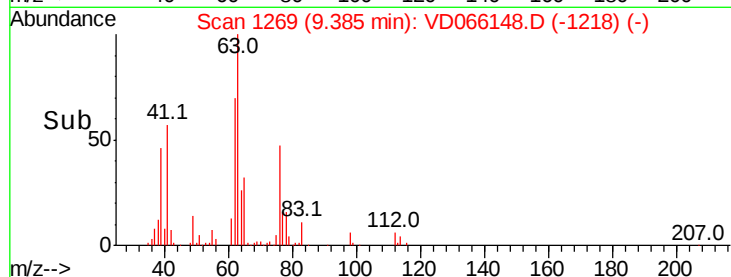
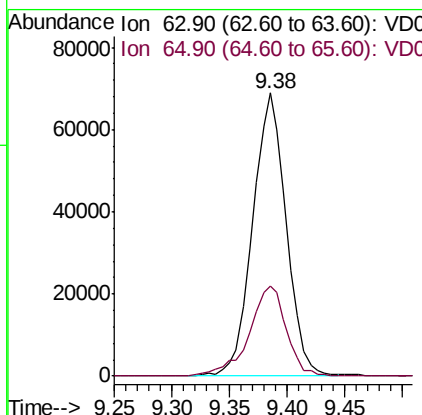
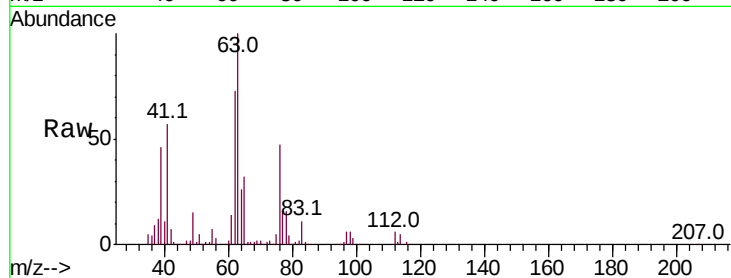




#45
 1,2-Dichloropropane
 Concen: 47.028 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

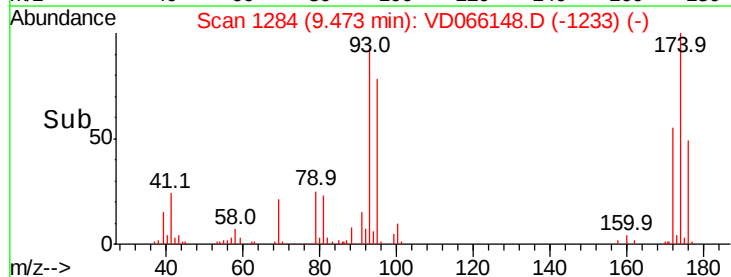
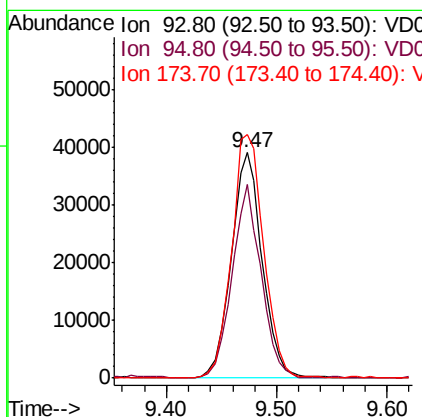
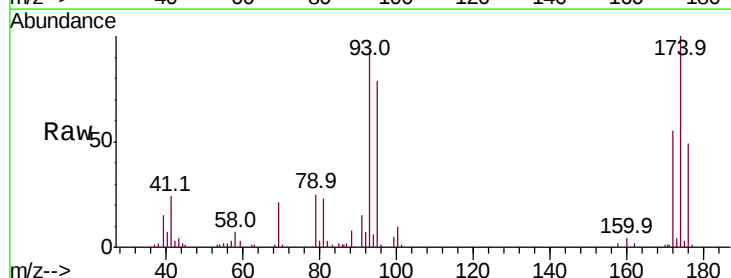
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

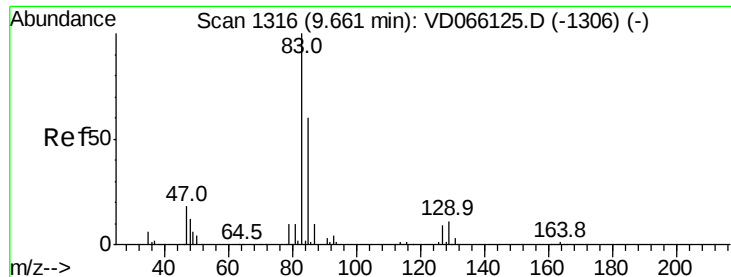
Tot Ion: 63 Resp: 139338
 Ion Ratio Lower Upper
 63 100
 65 31.9 26.5 39.7



#46
 Dibromomethane
 Concen: 46.947 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion: 93 Resp: 76619
 Ion Ratio Lower Upper
 93 100
 95 80.5 65.8 98.6
 174 112.4 92.8 139.2





#47

Bromodichloromethane

Concen: 46.547 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

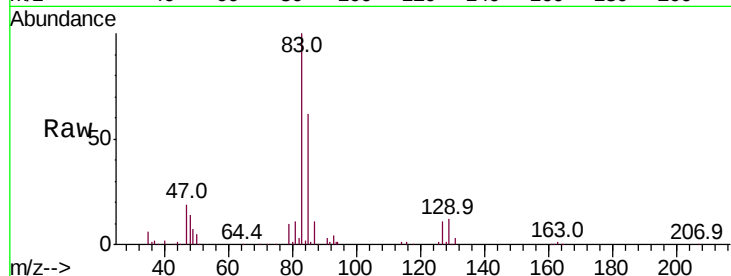
Tot Ion: 83 Resp: 200778

Ion Ratio Lower Upper

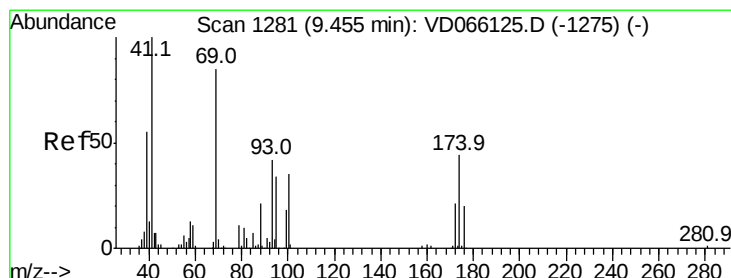
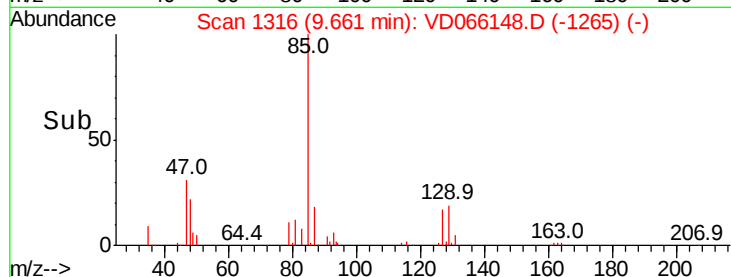
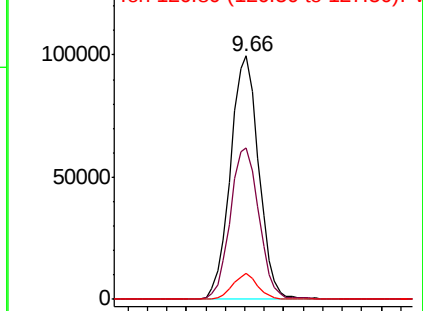
83 100

85 62.3 48.2 72.4

127 10.8 7.3 10.9



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: 44.457 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

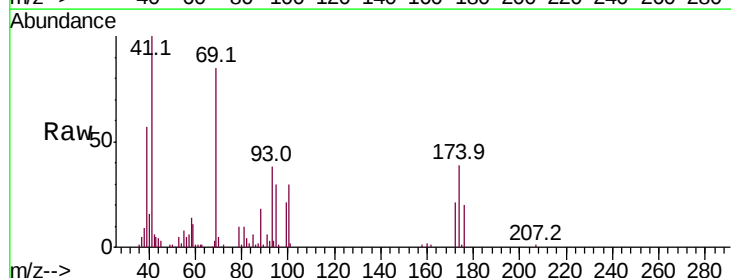
Tgt Ion: 41 Resp: 77389

Ion Ratio Lower Upper

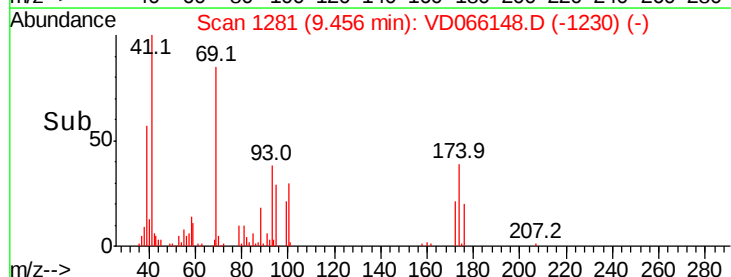
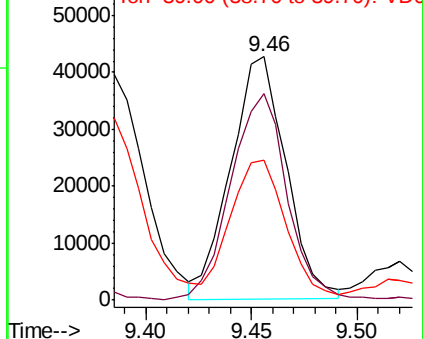
41 100

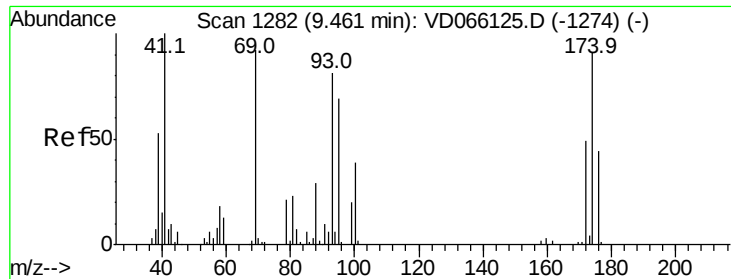
69 87.5 63.9 95.9

39 53.9 42.6 64.0



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: 806.964 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

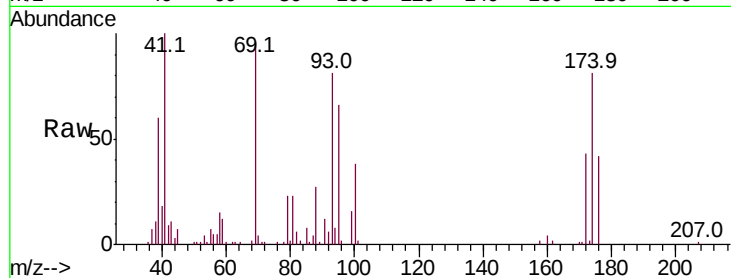
Tot Ion: 88 Resp: 16920

Ion Ratio Lower Upper

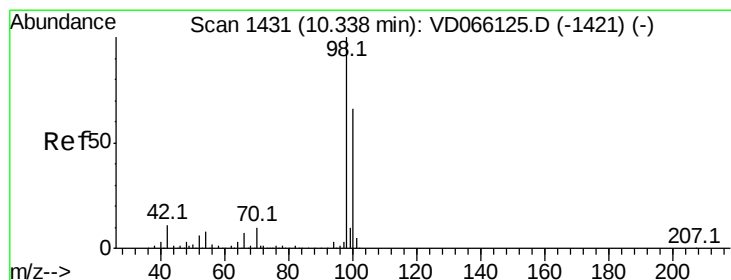
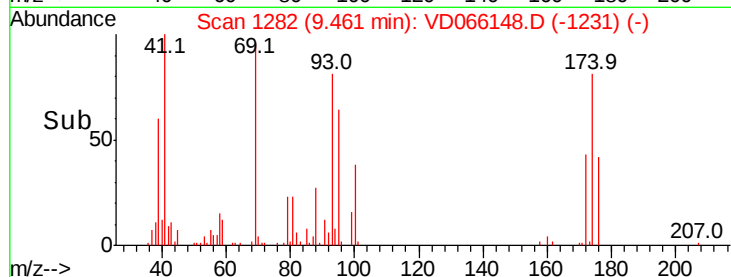
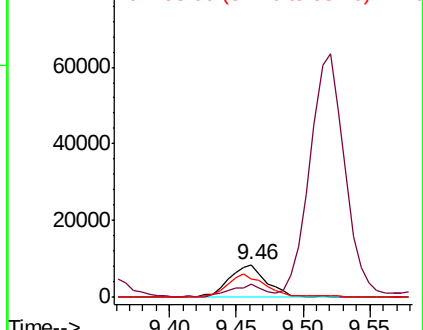
88 100

43 36.7 27.5 41.3

58 70.9 50.2 75.4



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: 54.454 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066148.D

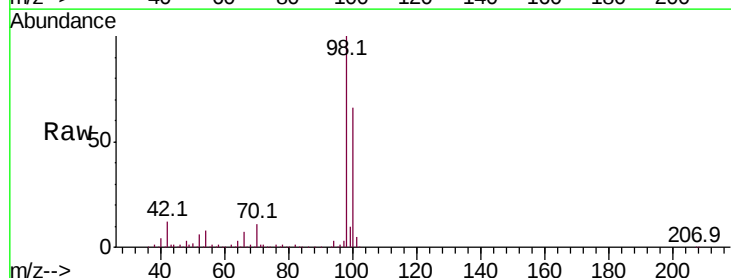
Acq: 07 Aug 2020 10:05

Tgt Ion: 98 Resp: 591596

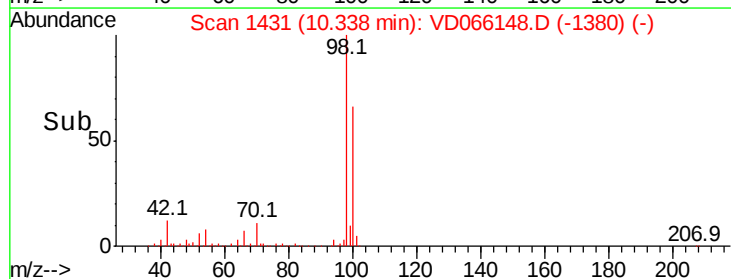
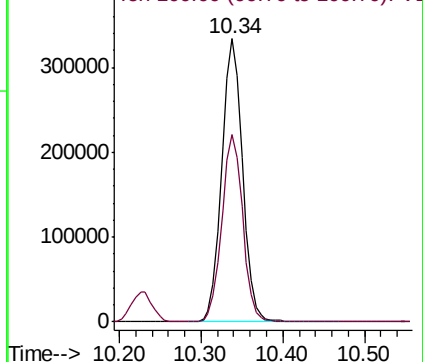
Ion Ratio Lower Upper

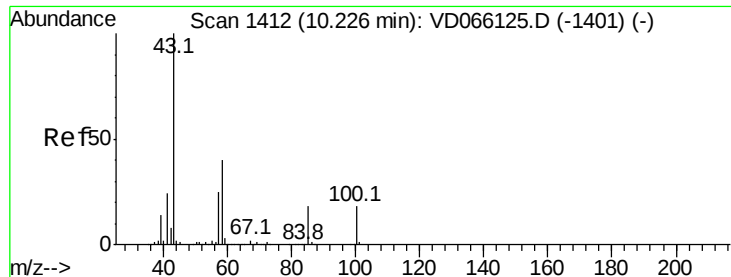
98 100

100 66.8 52.6 78.8



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: 225.722 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

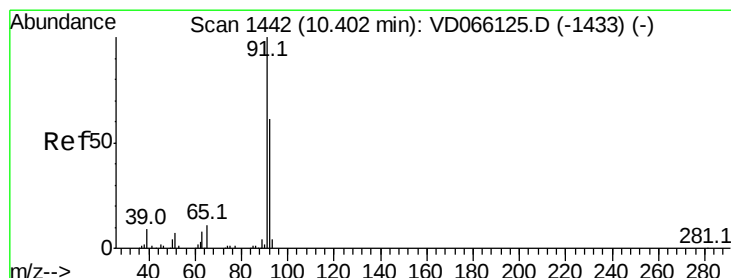
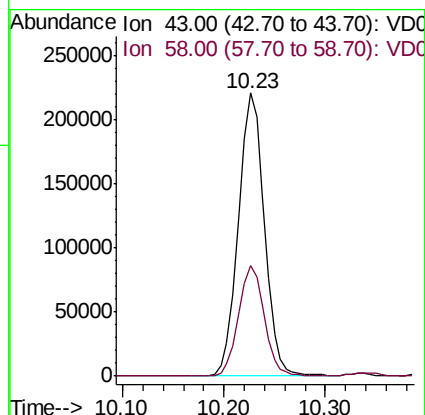
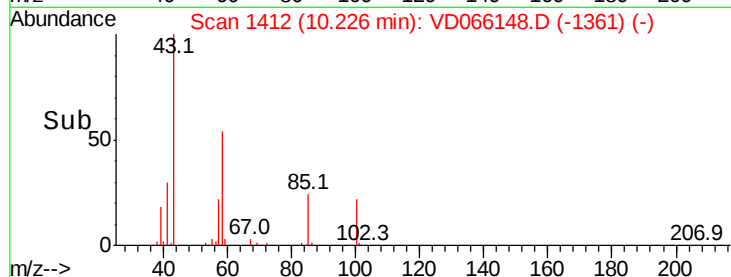
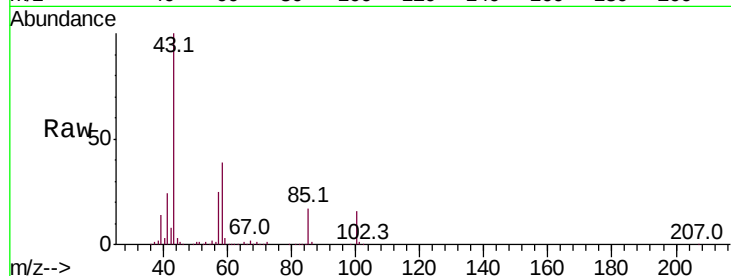
VSTDCCC050

Tot Ion: 43 Resp: 395271

Ion Ratio Lower Upper

43 100

58 38.7 31.1 46.7



#52

Toluene

Concen: 48.011 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066148.D

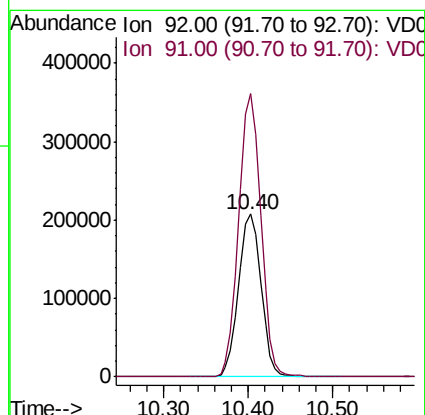
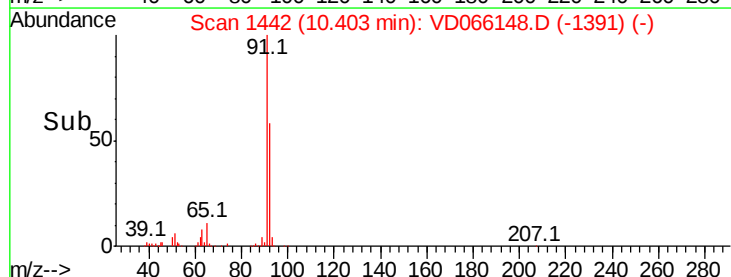
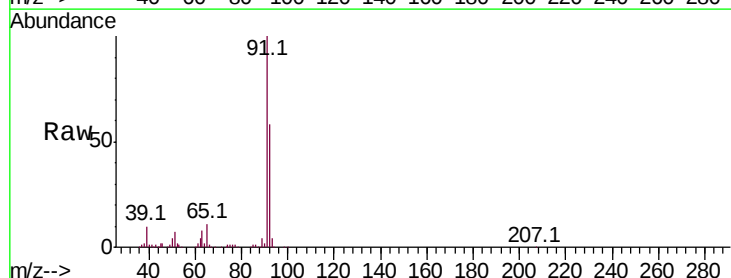
Acq: 07 Aug 2020 10:05

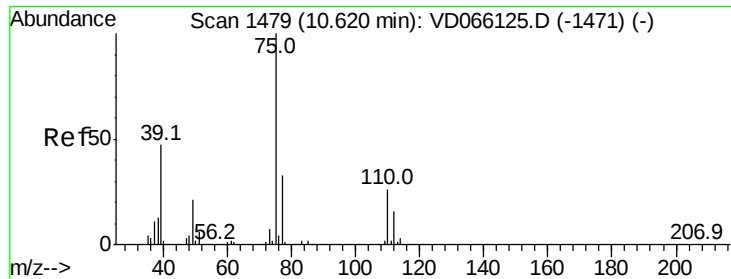
Tgt Ion: 92 Resp: 382721

Ion Ratio Lower Upper

92 100

91 171.2 135.2 202.8

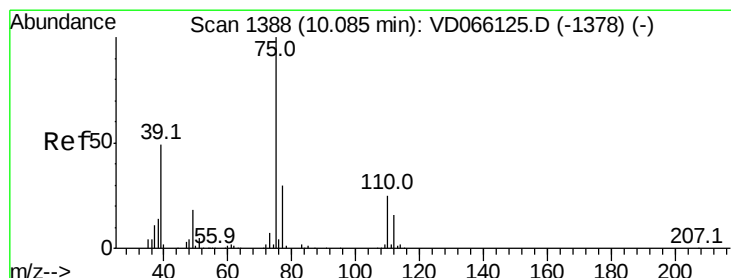
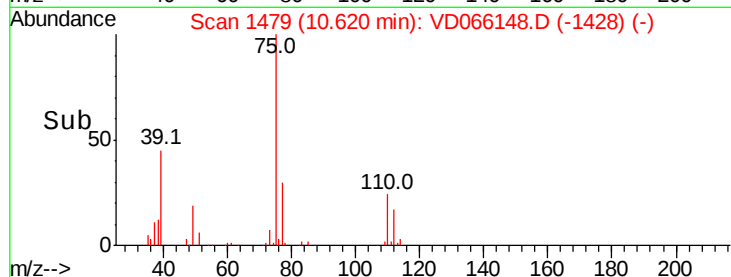
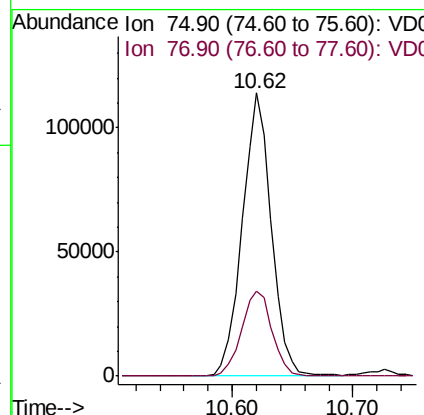
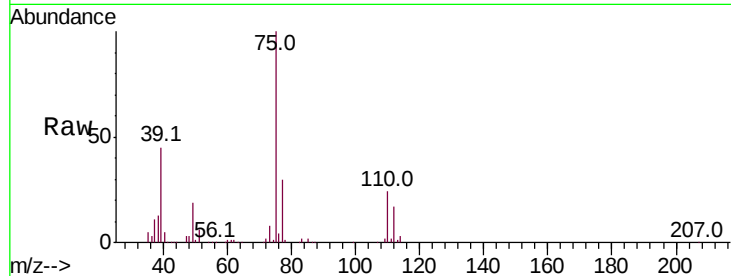




#53
 t-1,3-Dichloropropene
 Concen: 46.640 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

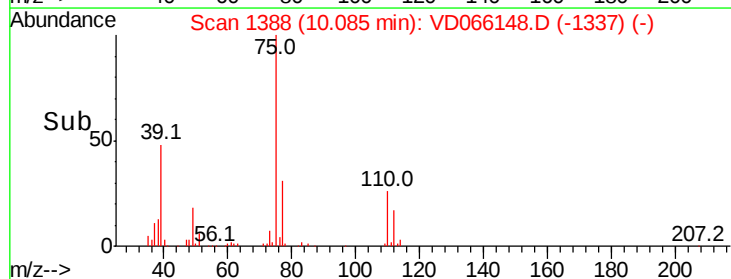
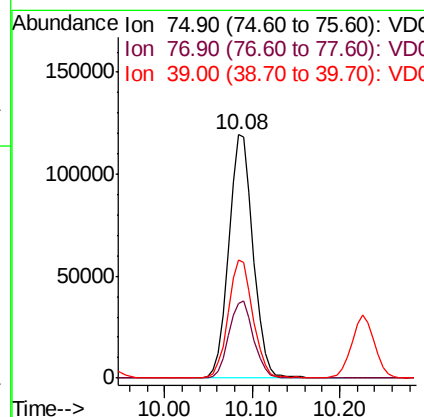
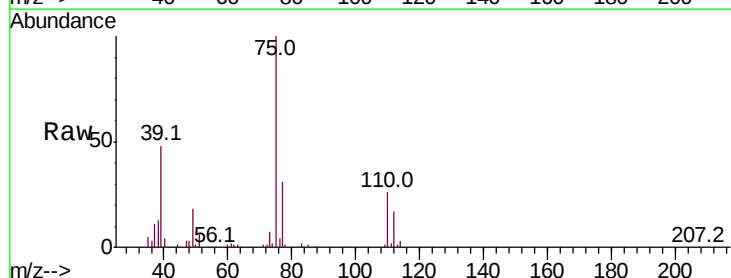
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

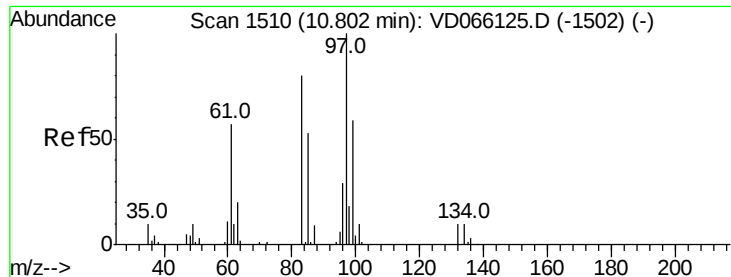
Tot Ion: 75 Resp: 190919
 Ion Ratio Lower Upper
 75 100
 77 30.2 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 47.425 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion: 75 Resp: 227455
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.3 36.5
 39 48.2 39.3 58.9

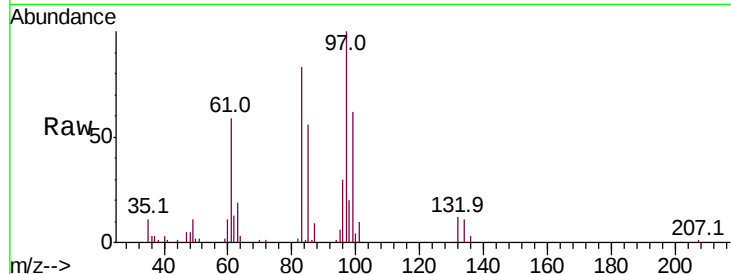




#55
 1,1,2-Trichloroethane
 Concen: 44.205 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	103884
Ion	Ratio	Lower	Upper
97	100		
83	83.6	63.9	95.9
85	56.5	42.5	63.7
99	62.3	47.4	71.0



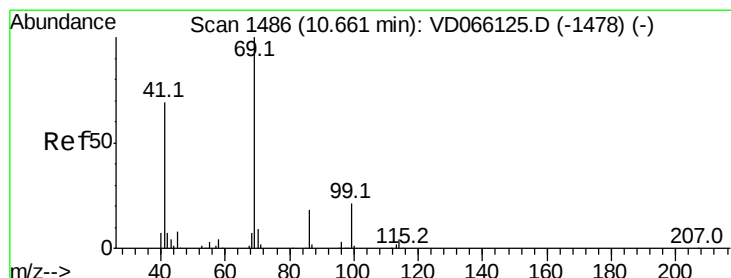
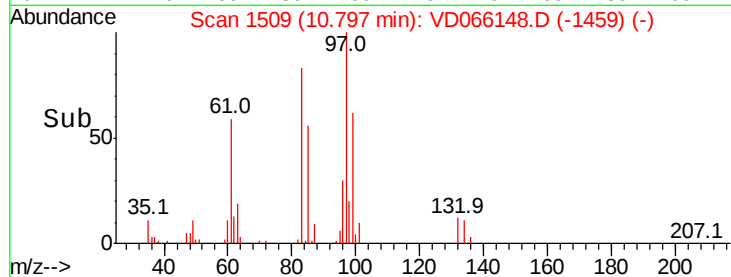
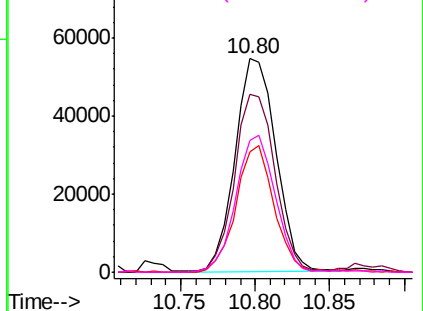
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

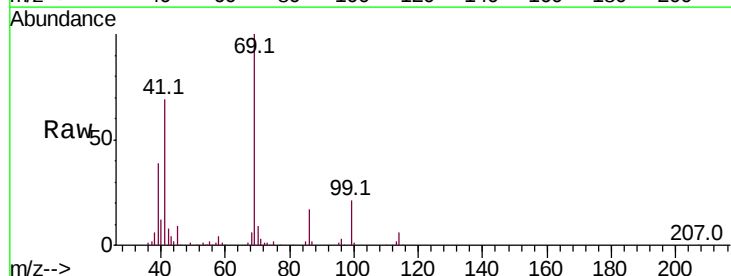
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 45.751 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion:	69	Resp:	129160
Ion	Ratio	Lower	Upper
69	100		
41	68.7	54.1	81.1
39	35.4	28.6	43.0

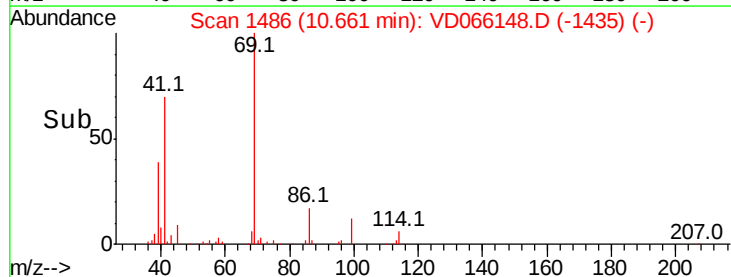
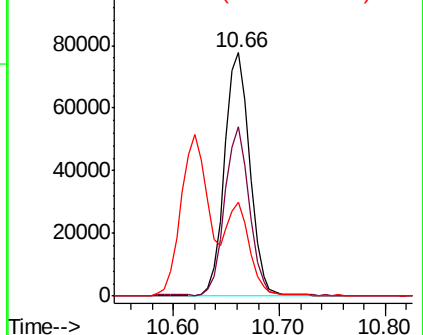


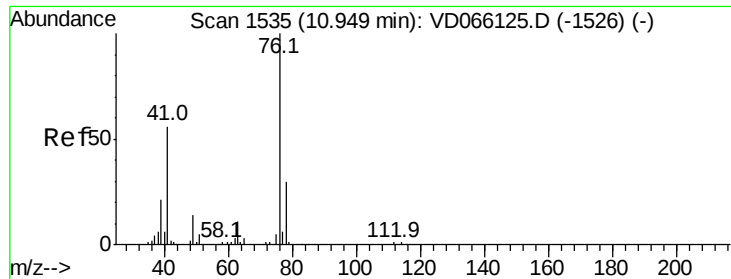
Abundance

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

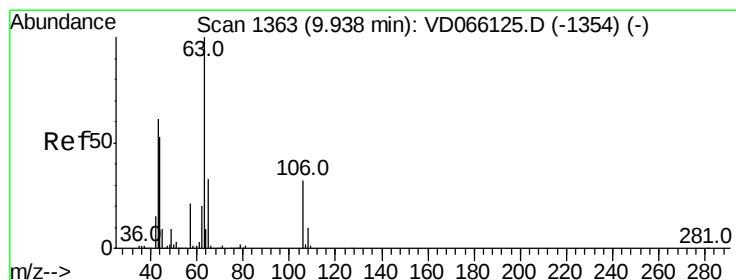
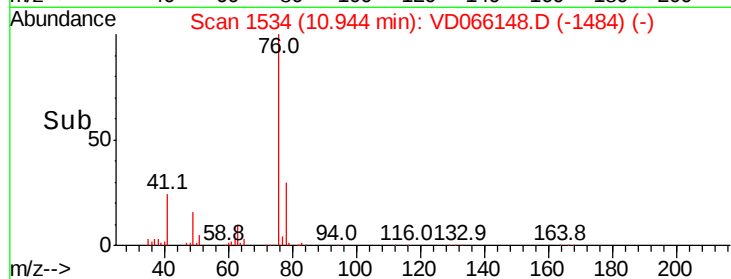
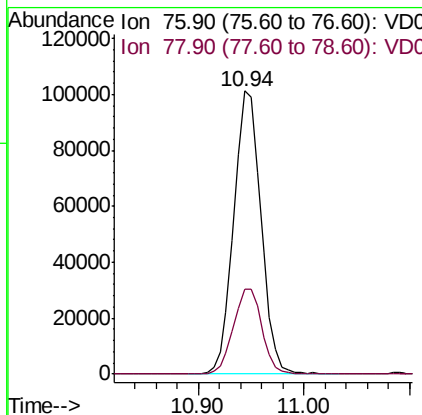
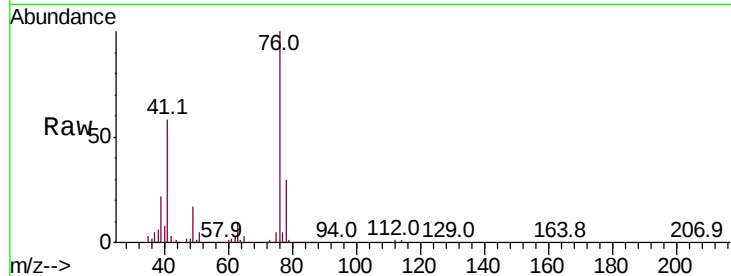




#57
 1,3-Dichloropropane
 Concen: 46.202 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

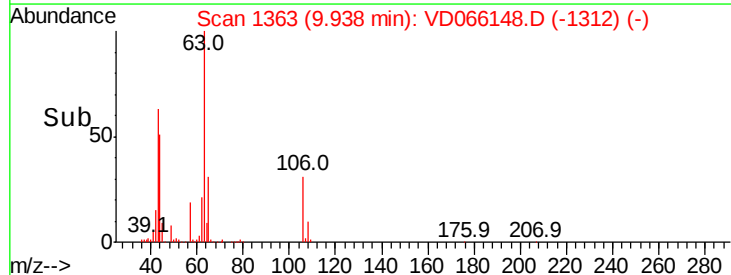
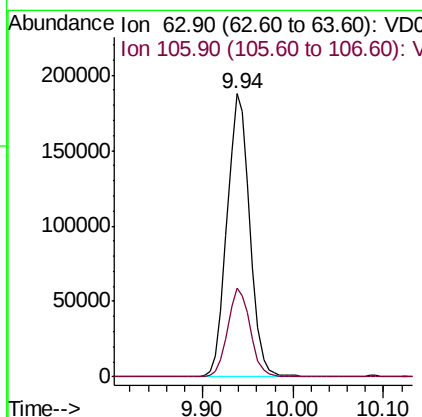
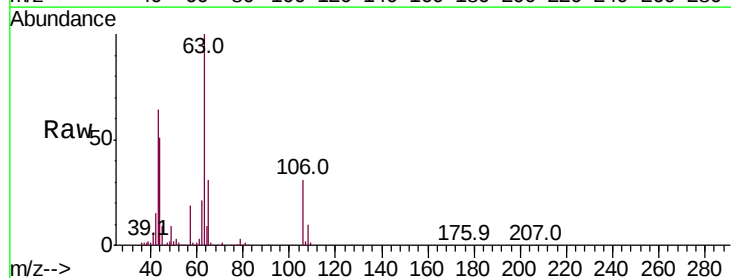
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

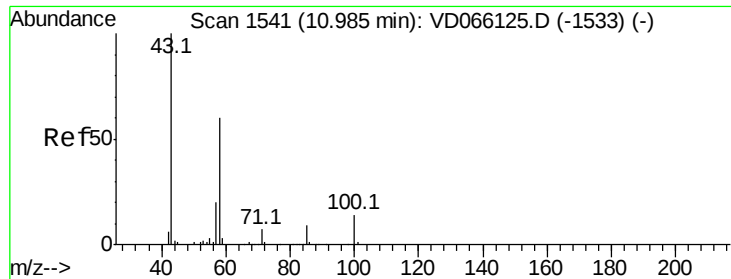
Tot Ion: 76 Resp: 180254
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.300 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion: 63 Resp: 328005
 Ion Ratio Lower Upper
 63 100
 106 31.1 25.3 37.9

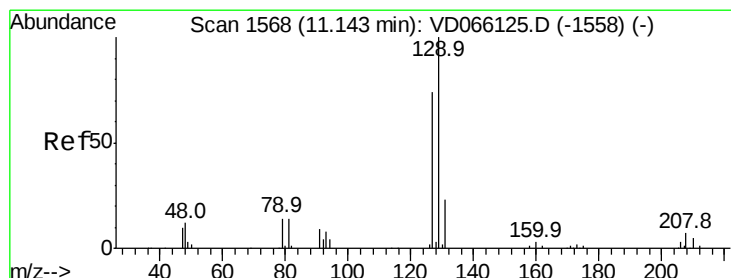
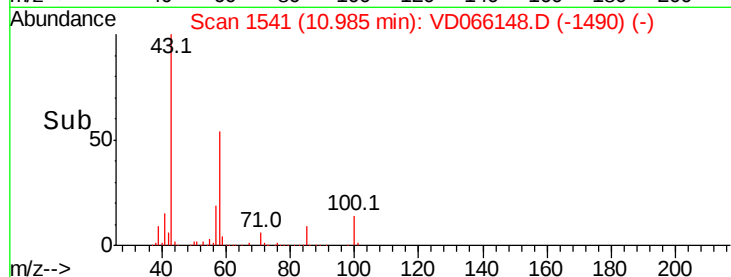
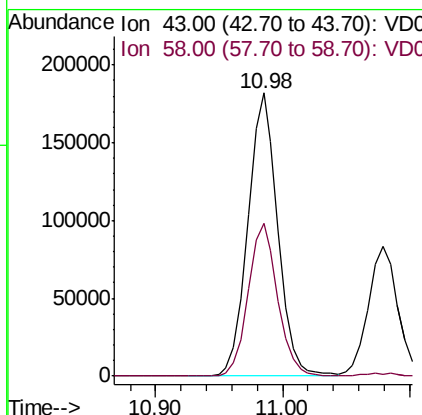
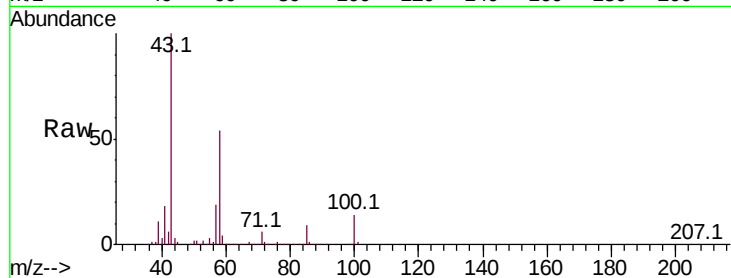




#59
2-Hexanone
Concen: 242.082 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

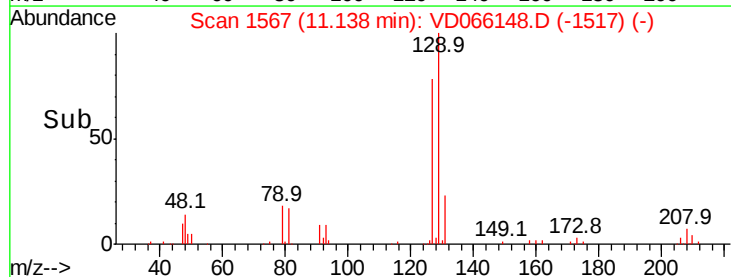
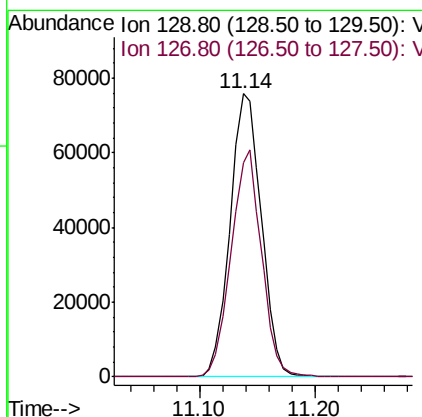
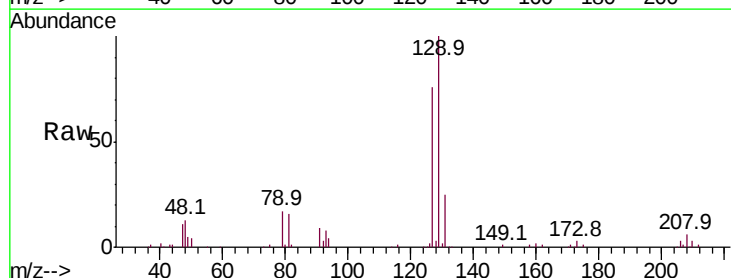
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

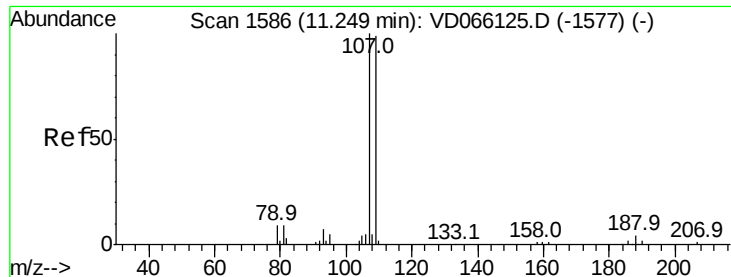
Tot Ion: 43 Resp: 297514
Ion Ratio Lower Upper
43 100
58 53.3 27.8 83.4



#60
Dibromochloromethane
Concen: 43.824 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 129 Resp: 142184
Ion Ratio Lower Upper
129 100
127 78.1 38.0 114.1

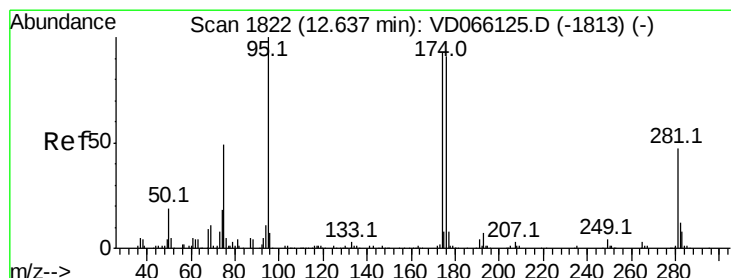
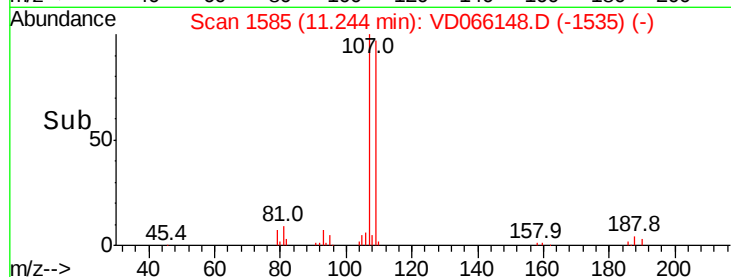
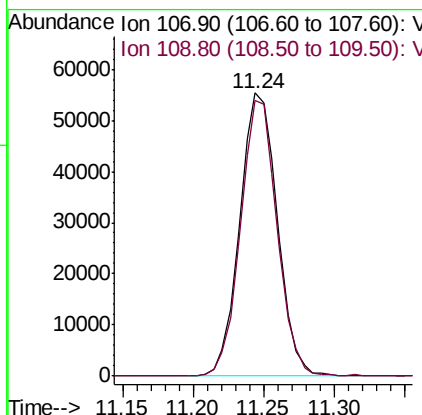
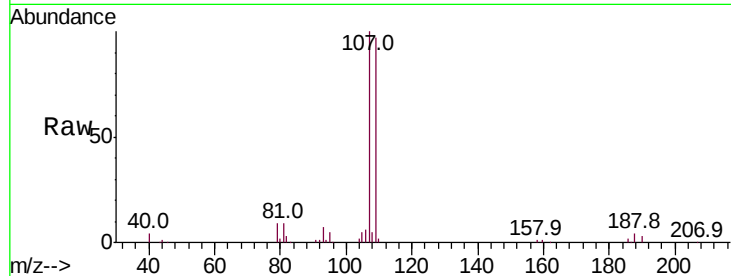




#61
 1,2-Dibromoethane
 Concen: 45.668 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

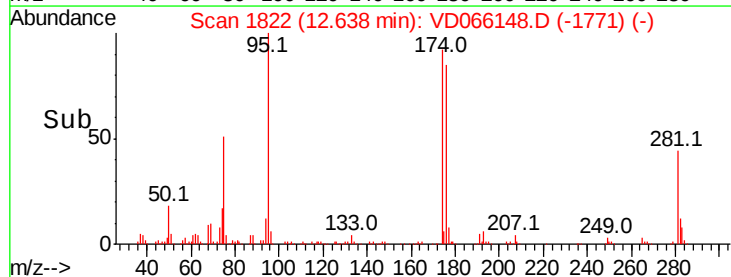
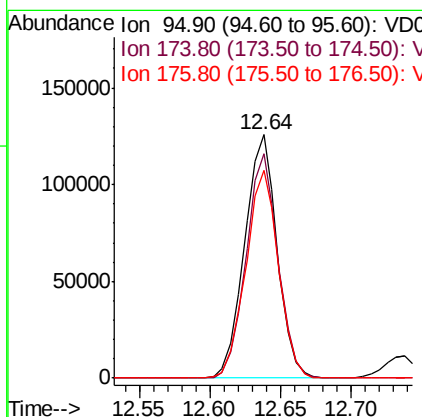
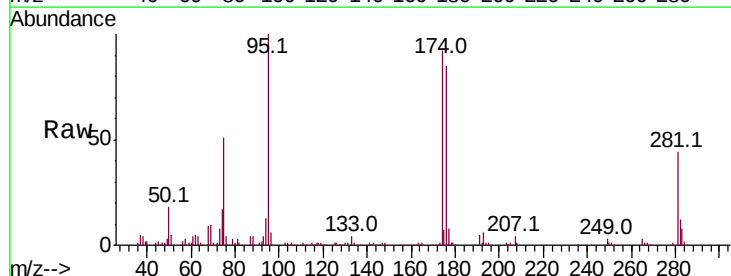
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

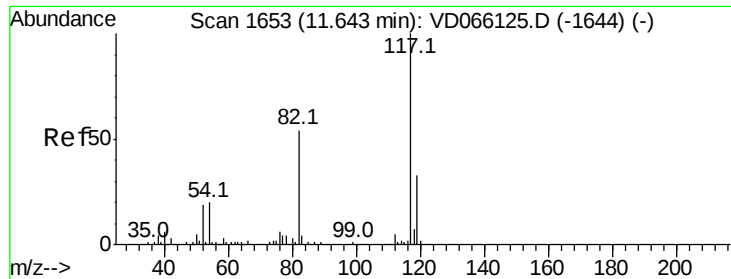
Tot Ion:107 Resp: 103212
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 51.701 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion: 95 Resp: 202463
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 180.8
 176 85.9 0.0 181.2

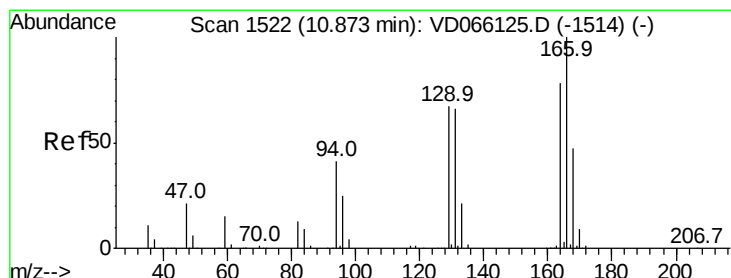
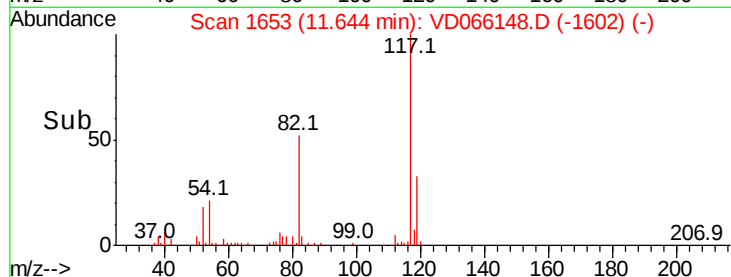
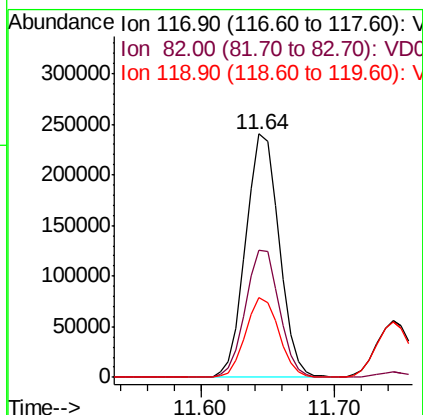
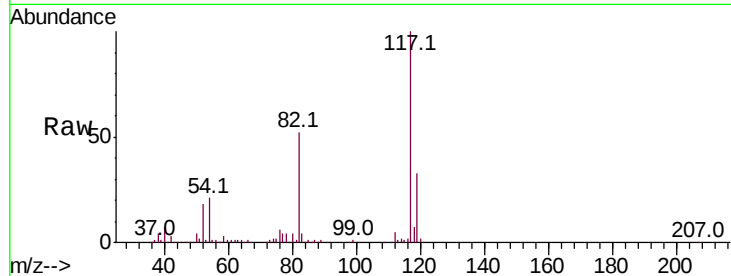




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

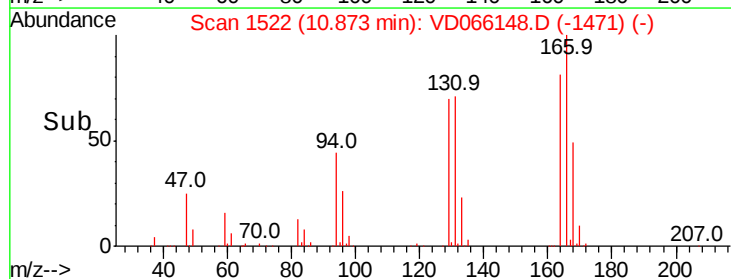
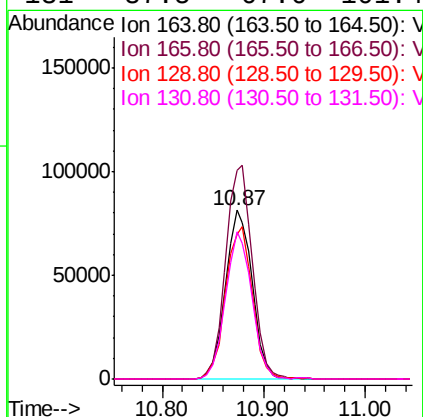
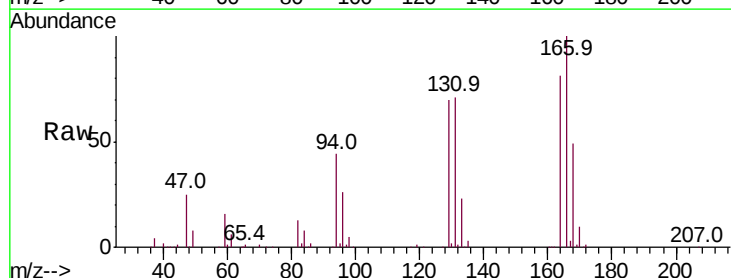
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

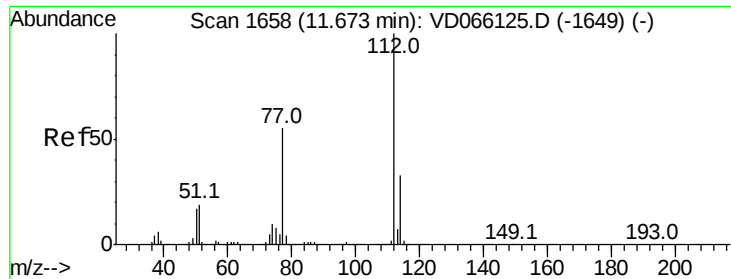
Tot Ion:117 Resp: 417162
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.4
119 32.7 26.1 39.1



#64
Tetrachloroethene
Concen: 46.430 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion:164 Resp: 148730
Ion Ratio Lower Upper
164 100
166 123.7 101.9 152.9
129 86.0 68.1 102.1
131 87.5 67.6 101.4

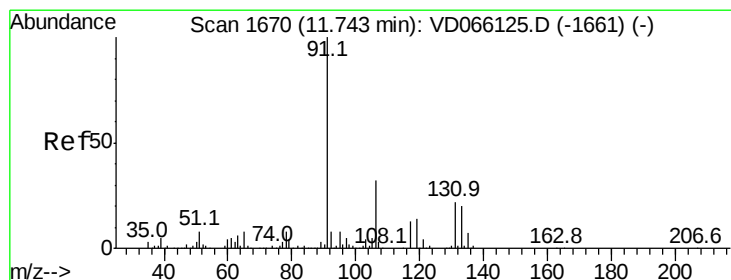
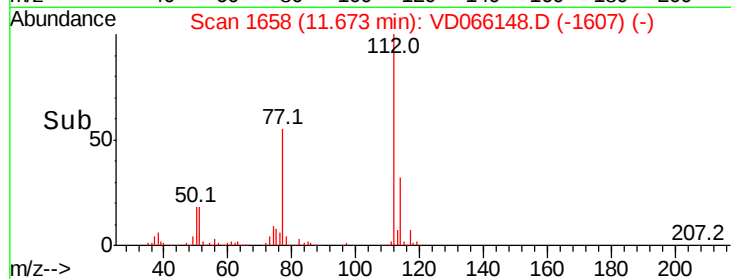
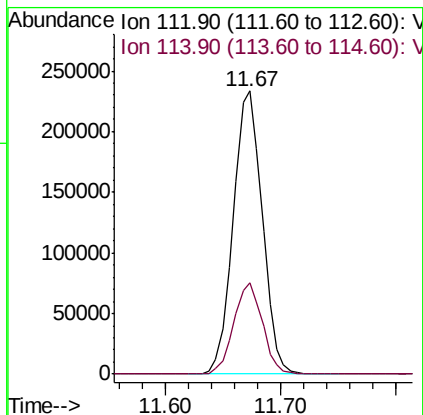
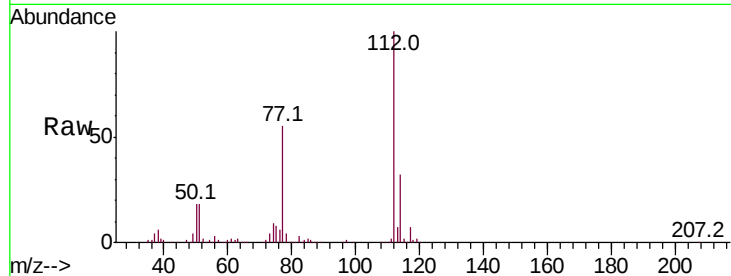




#65
Chlorobenzene
Concen: 48.022 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

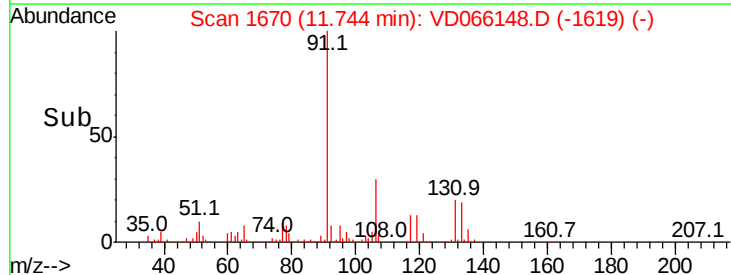
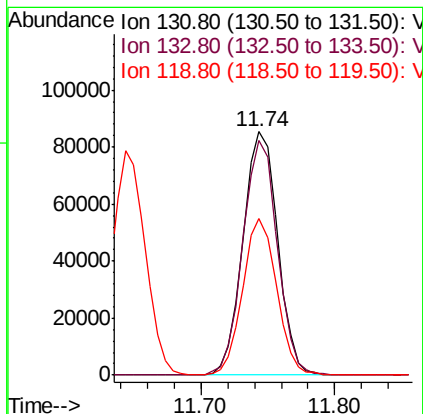
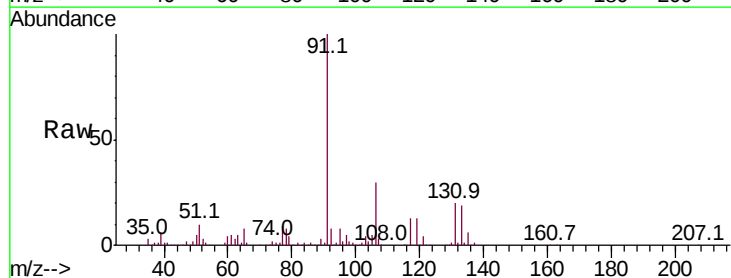
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

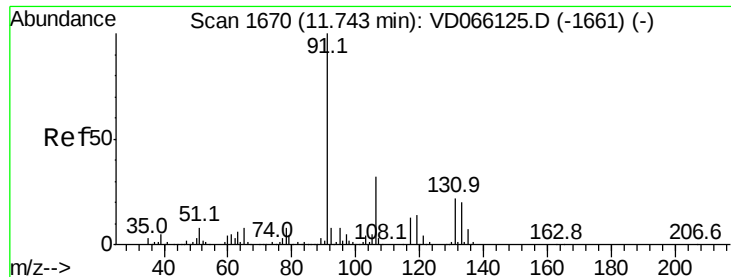
Tot Ion:112 Resp: 406672
Ion Ratio Lower Upper
112 100
114 32.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 46.344 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion:131 Resp: 153559
Ion Ratio Lower Upper
131 100
133 95.6 47.1 141.4
119 63.0 31.6 94.7





#67

Ethyl Benzene

Concen: 49.301 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

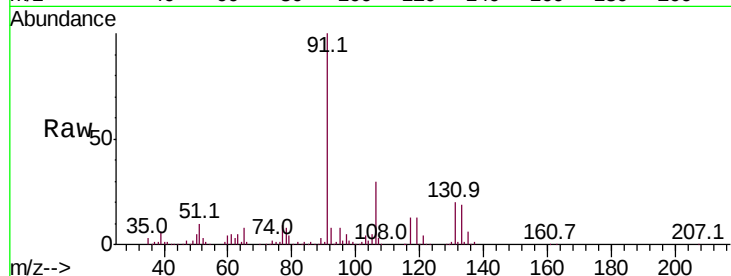
VSTDCCC050

Tot Ion: 91 Resp: 723502

Ion Ratio Lower Upper

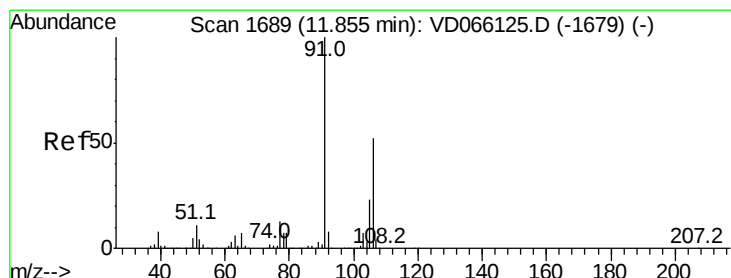
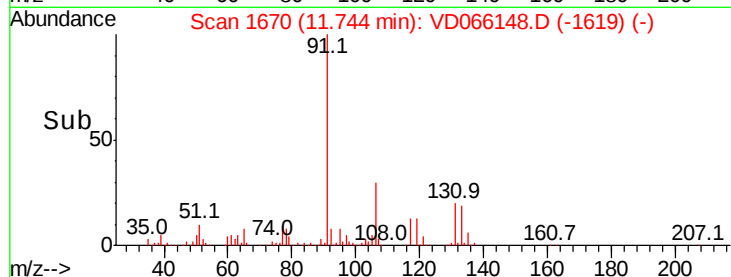
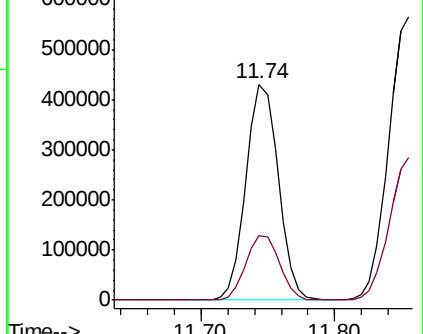
91 100

106 30.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 96.627 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066148.D

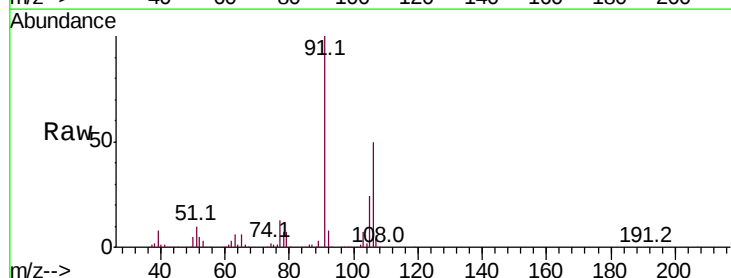
Acq: 07 Aug 2020 10:05

Tgt Ion:106 Resp: 549396

Ion Ratio Lower Upper

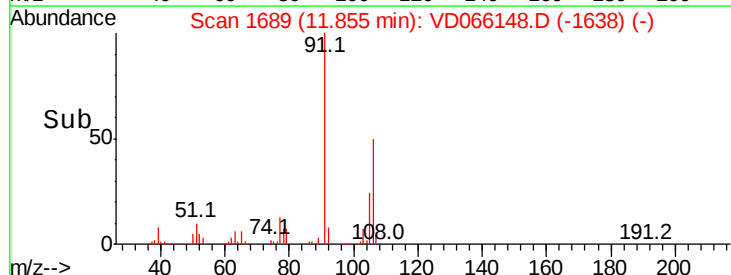
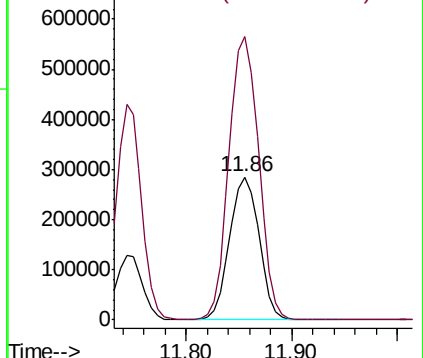
106 100

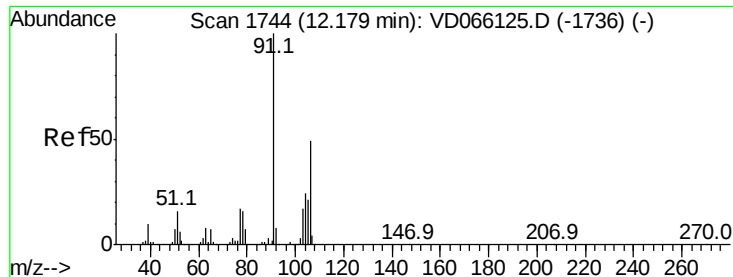
91 201.1 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

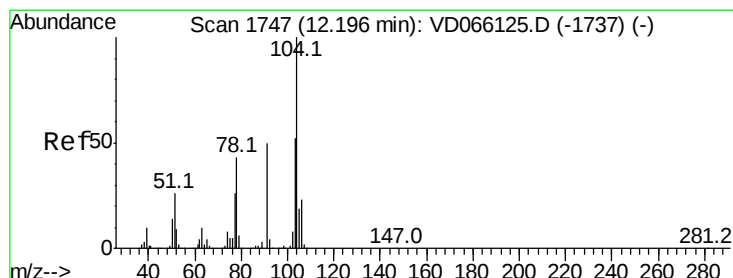
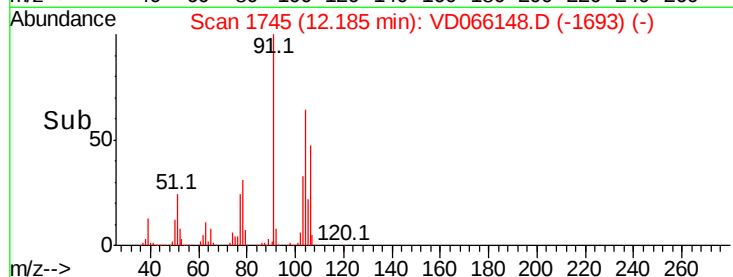
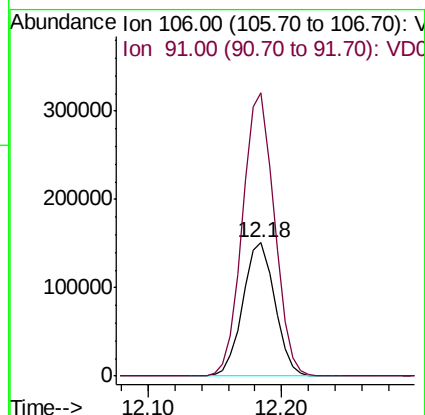
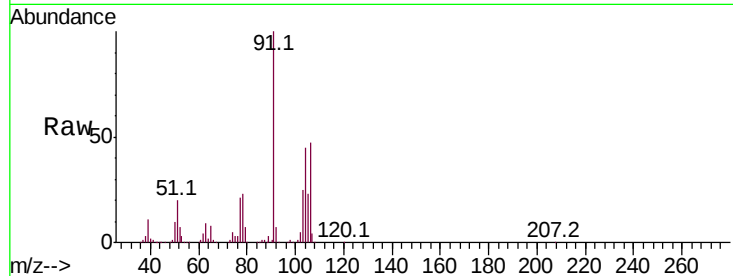




#69
o-Xylene
Concen: 48.551 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

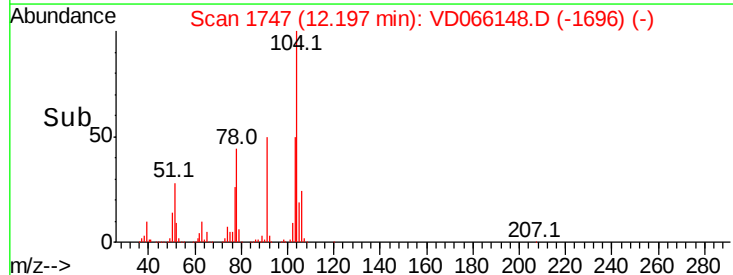
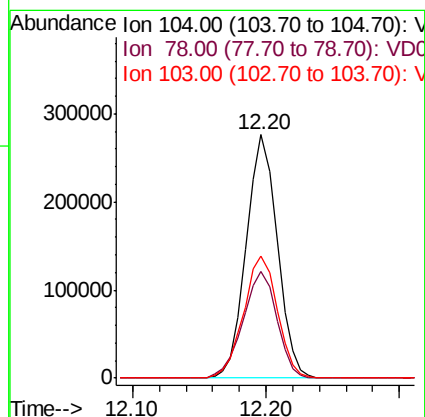
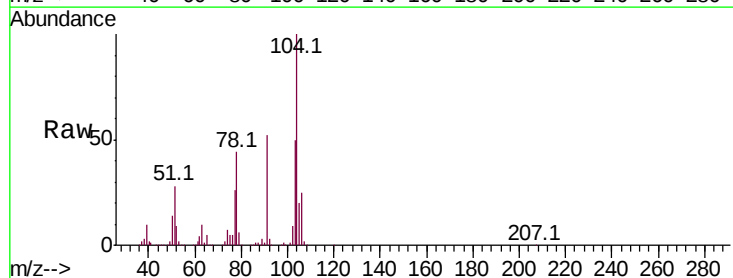
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

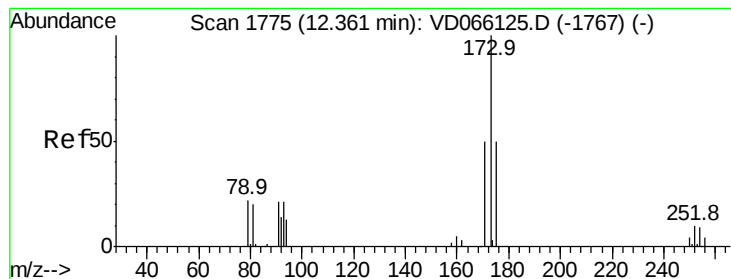
Tot Ion:106 Resp: 251114
Ion Ratio Lower Upper
106 100
91 210.6 105.7 317.1



#70
Styrene
Concen: 48.944 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion:104 Resp: 443646
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 54.9 44.1 66.1





#71

Bromoform

Concen: 45.239 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

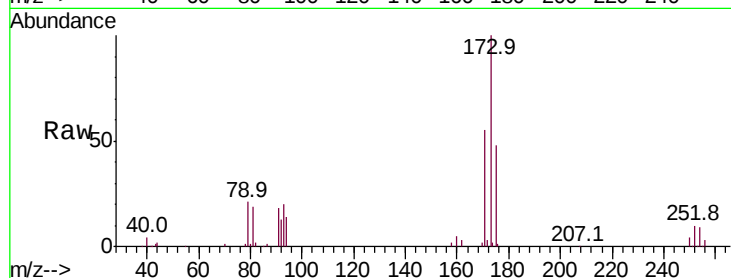
Tot Ion:173 Resp: 88812

Ion Ratio Lower Upper

173 100

175 49.3 24.6 73.6

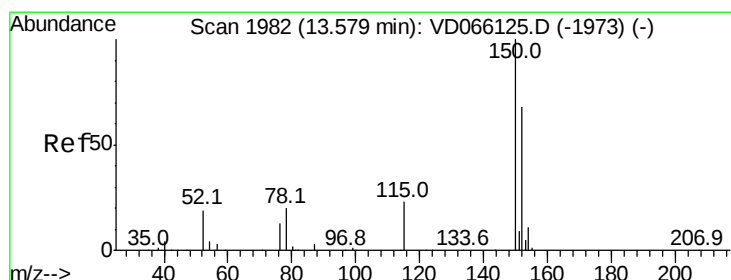
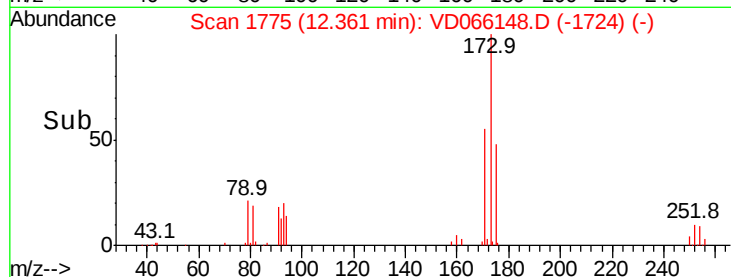
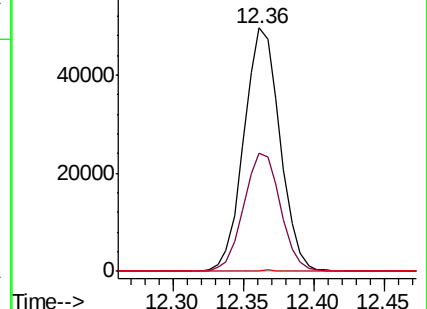
254 0.2 0.2 0.2



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. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

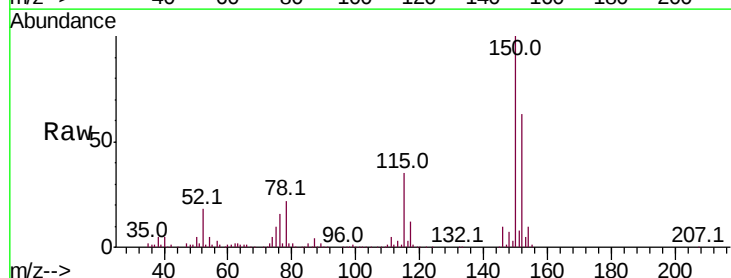
Tgt Ion:152 Resp: 211813

Ion Ratio Lower Upper

152 100

115 56.3 28.0 83.9

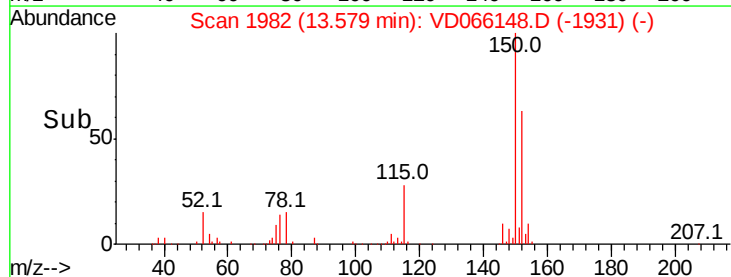
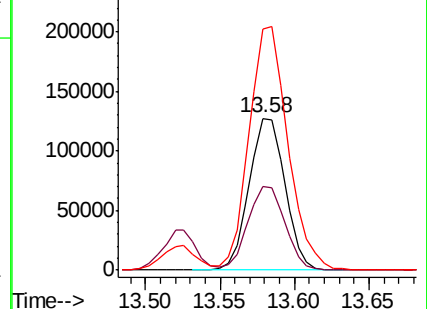
150 172.8 0.0 346.4

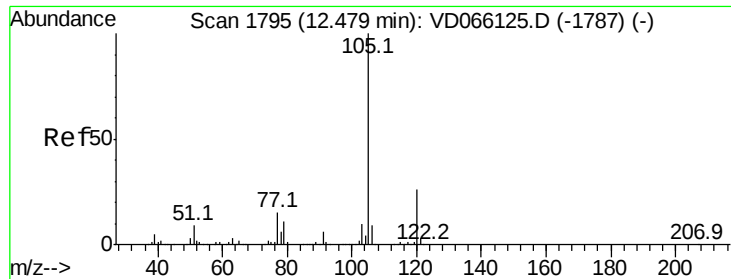


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.065 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

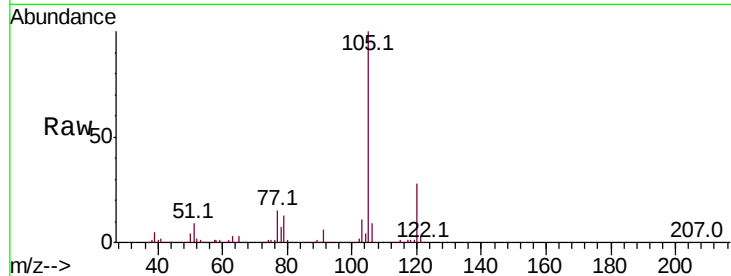
VSTDCCC050

Tot Ion:105 Resp: 707874

Ion Ratio Lower Upper

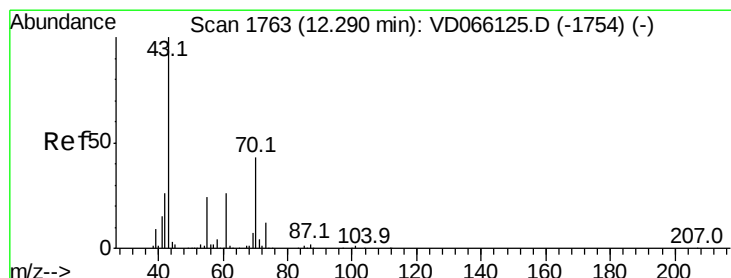
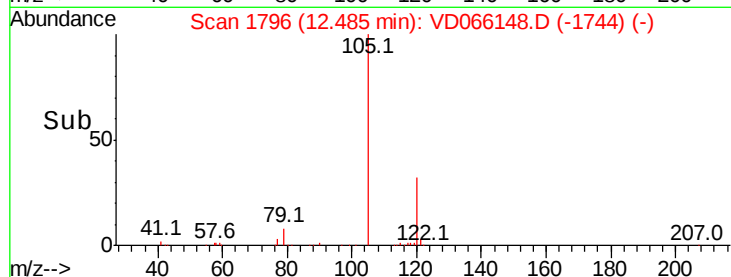
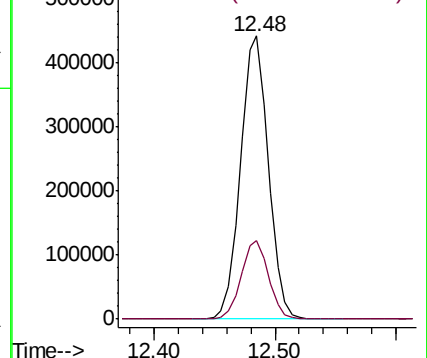
105 100

120 27.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.731 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Tgt Ion: 43 Resp: 145498

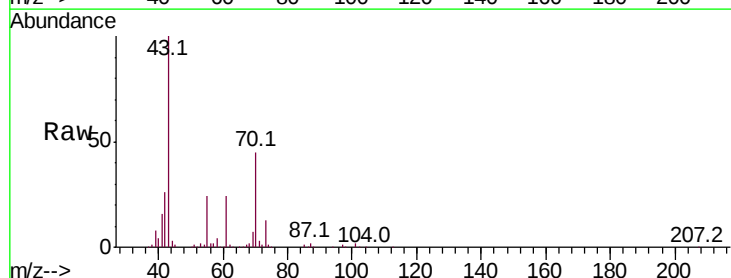
Ion Ratio Lower Upper

43 100

70 44.0 34.9 52.3

55 24.7 19.2 28.8

61 24.2 19.7 29.5

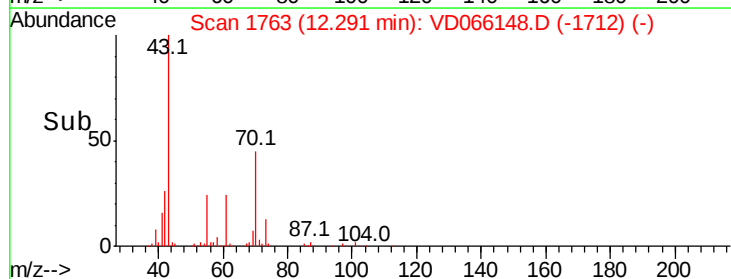
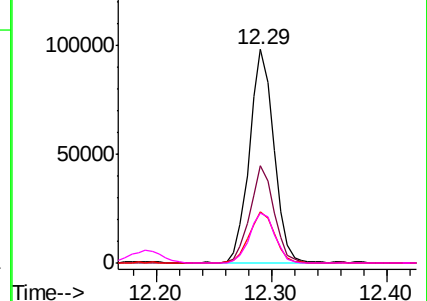


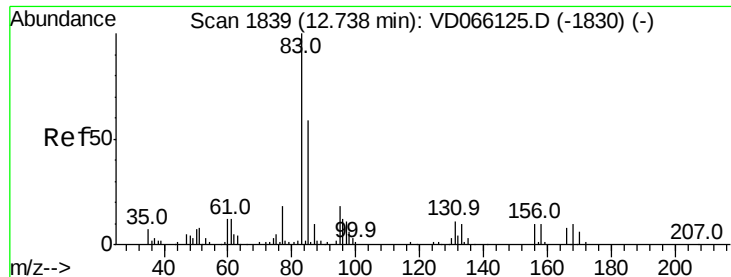
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 45.790 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

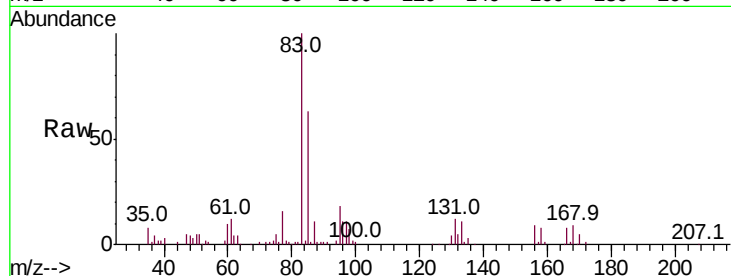
Tot Ion: 83 Resp: 110397

Ion Ratio Lower Upper

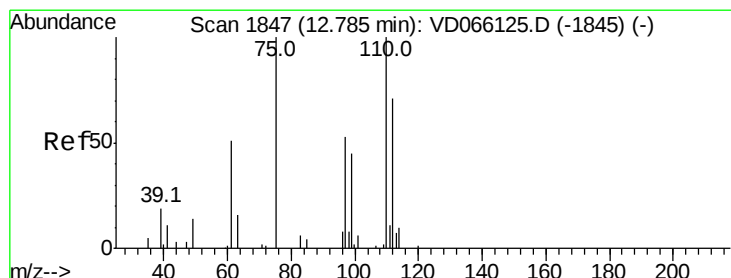
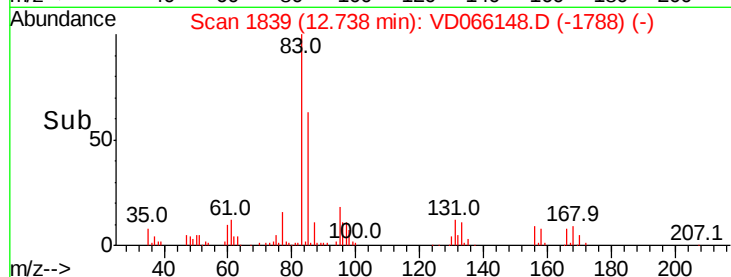
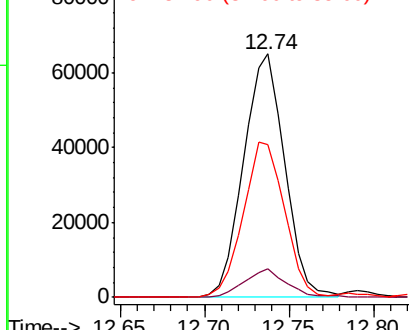
83 100

131 11.9 6.2 18.6

85 64.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 84.358 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066148.D

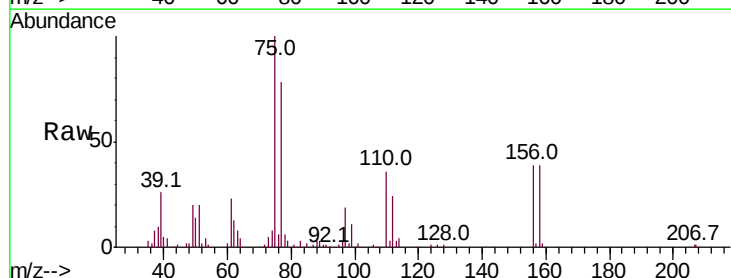
Acq: 07 Aug 2020 10:05

Tgt Ion: 75 Resp: 149007

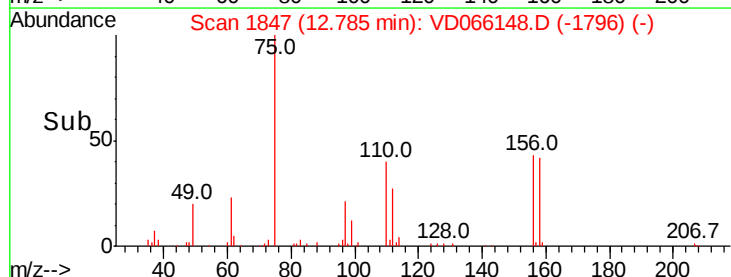
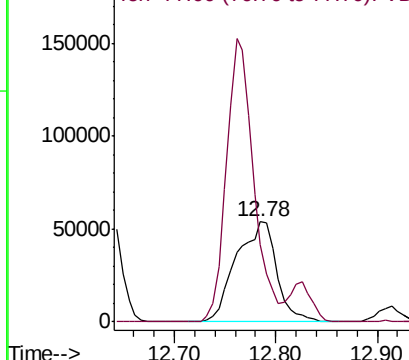
Ion Ratio Lower Upper

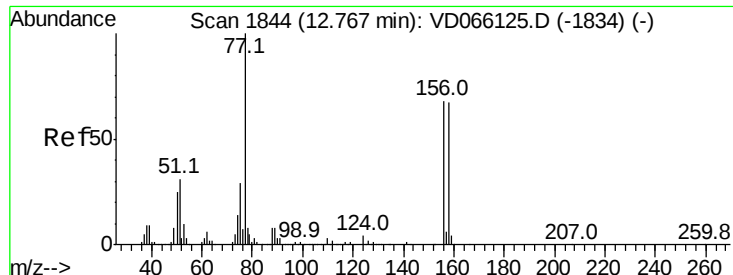
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 47.780 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

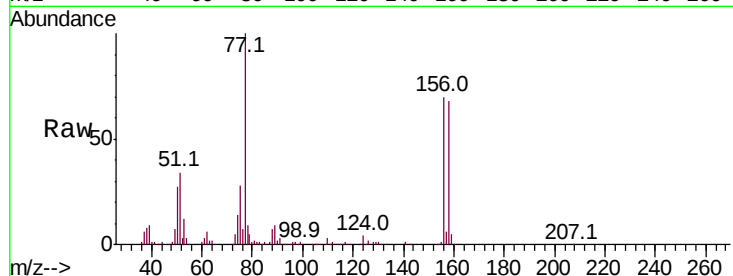
Tot Ion:156 Resp: 173903

Ion Ratio Lower Upper

156 100

77 163.1 81.0 243.1

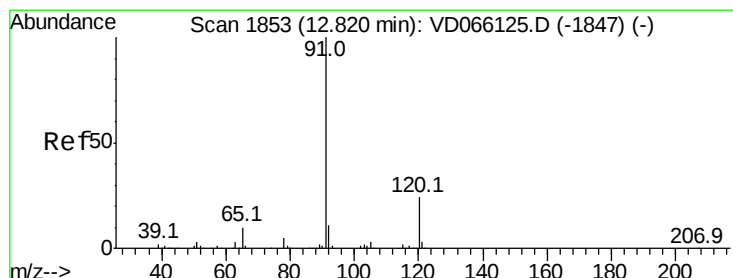
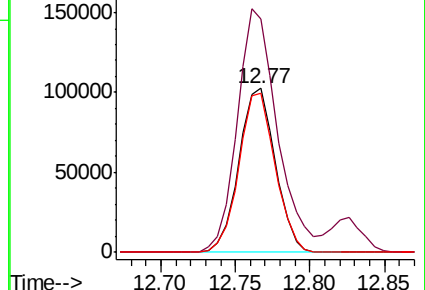
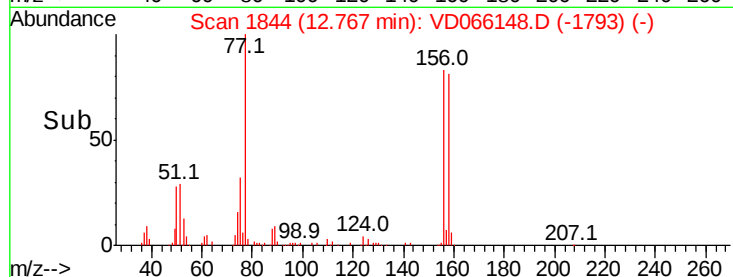
158 96.7 48.8 146.3



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: 50.191 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066148.D

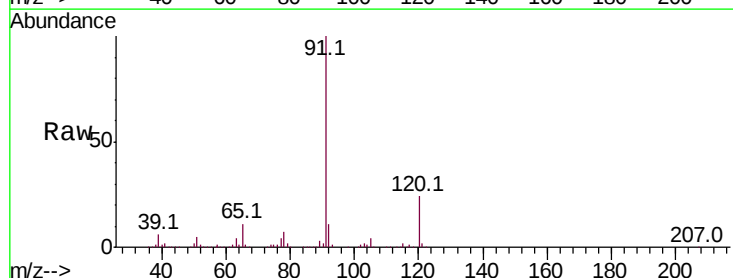
Acq: 07 Aug 2020 10:05

Tgt Ion: 91 Resp: 824923

Ion Ratio Lower Upper

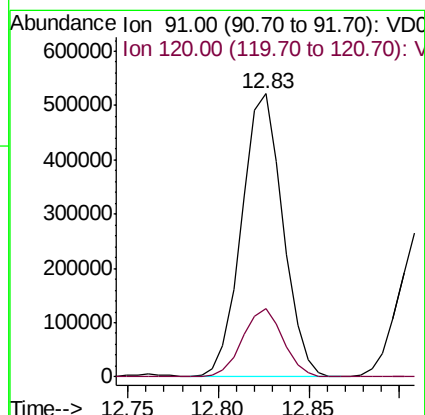
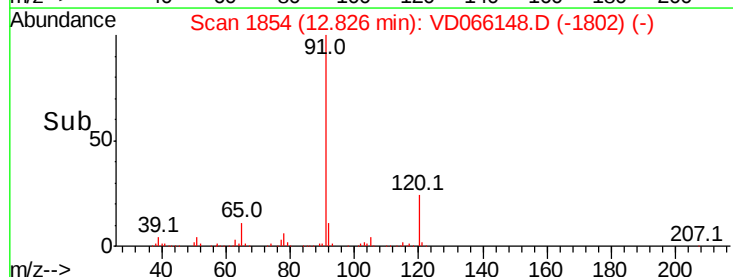
91 100

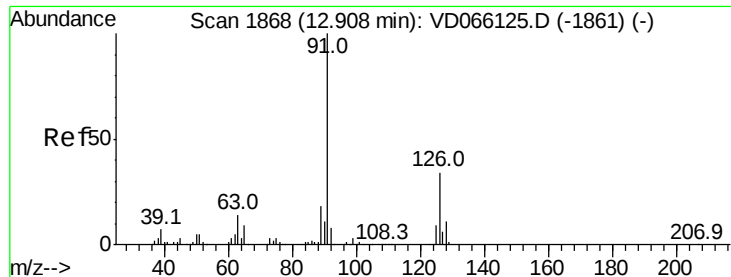
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.610 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

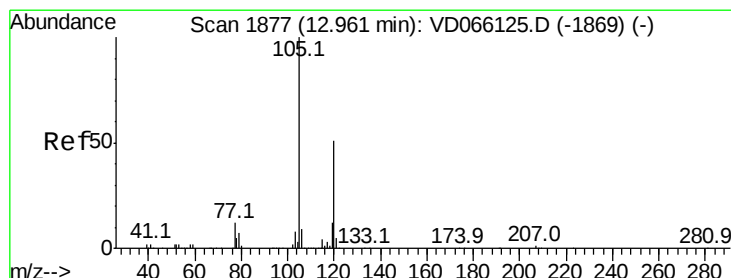
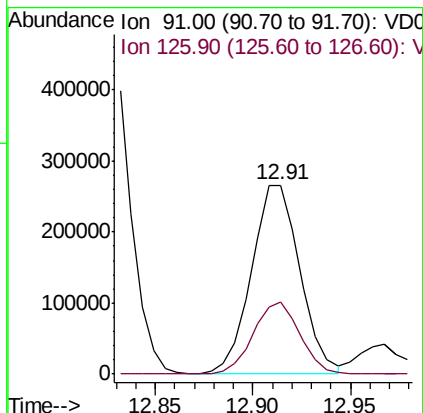
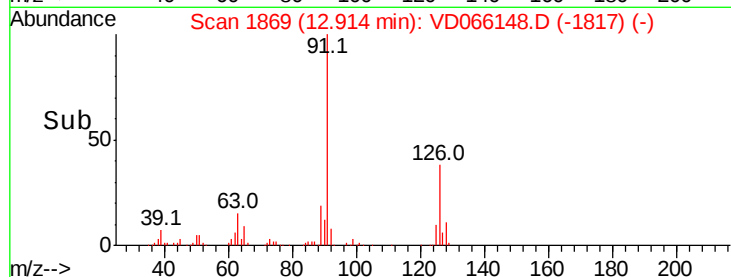
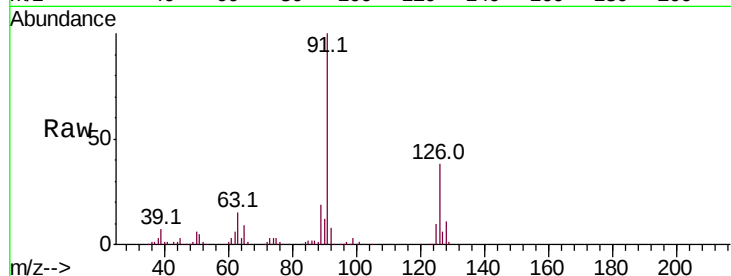
VSTDCCC050

Tot Ion: 91 Resp: 456935

Ion Ratio Lower Upper

91 100

126 37.0 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 49.900 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD066148.D

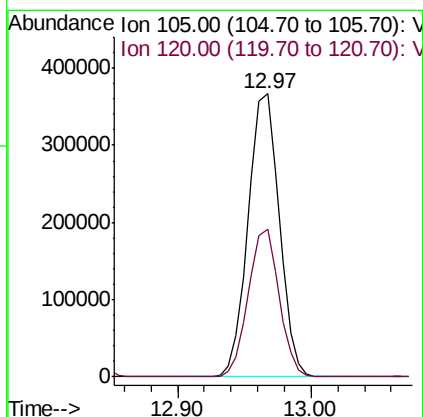
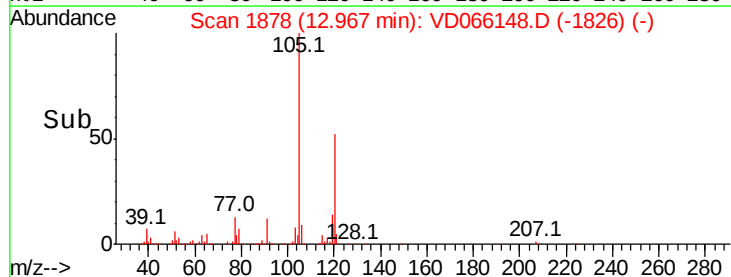
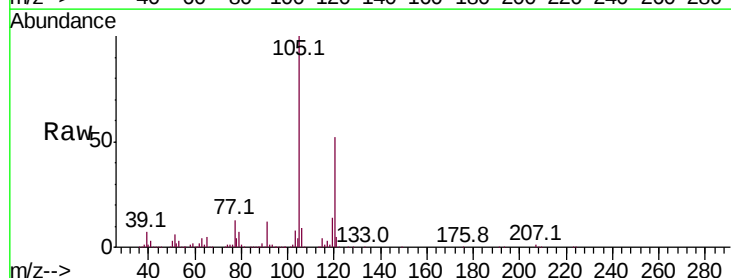
Acq: 07 Aug 2020 10:05

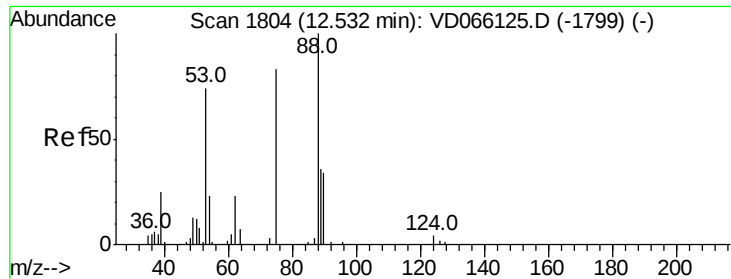
Tgt Ion:105 Resp: 590047

Ion Ratio Lower Upper

105 100

120 51.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.810 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

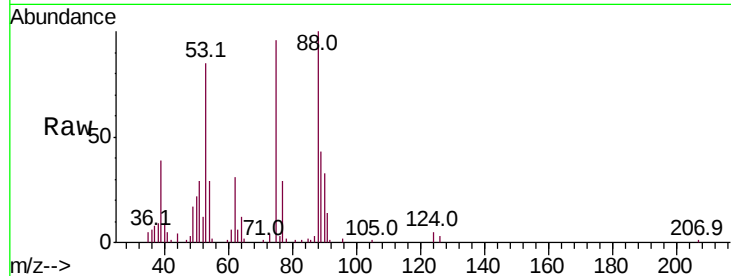
Tot Ion: 75 Resp: 39002

Ion Ratio Lower Upper

75 100

53 91.5 73.4 110.2

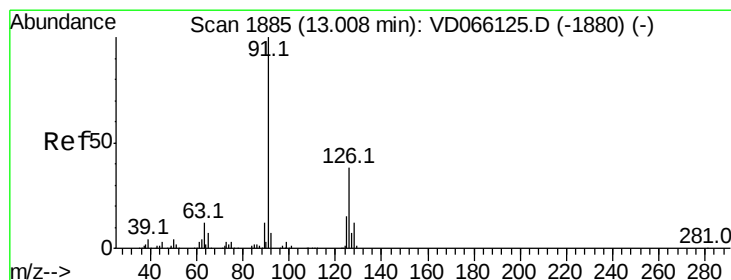
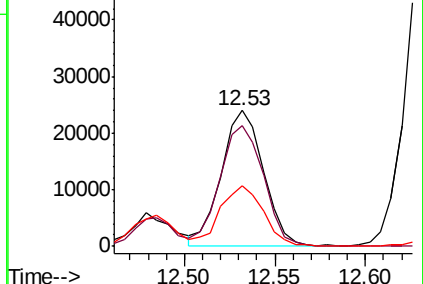
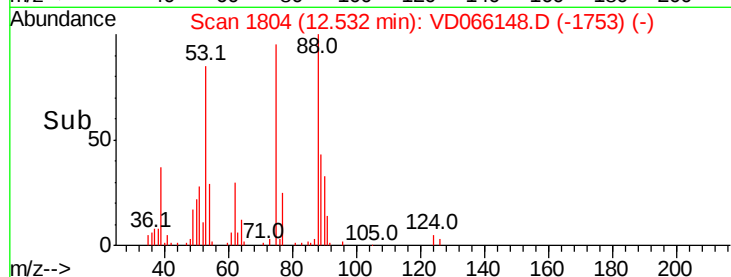
89 46.1 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.437 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066148.D

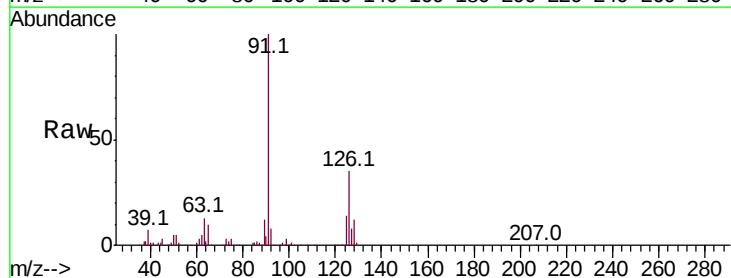
Acq: 07 Aug 2020 10:05

Tgt Ion: 91 Resp: 490567

Ion Ratio Lower Upper

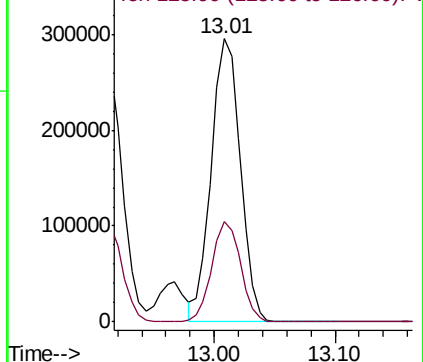
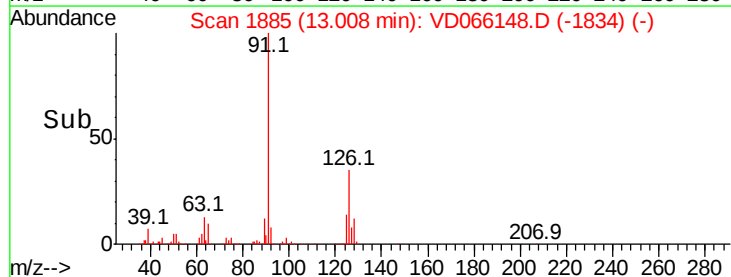
91 100

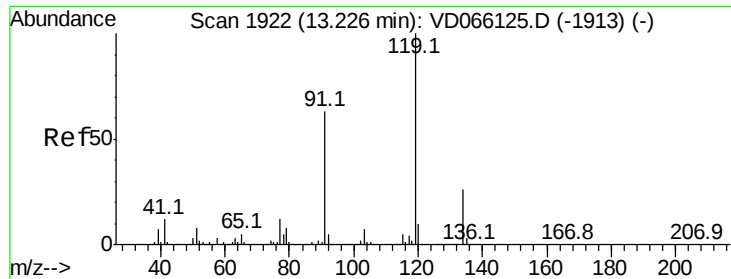
126 35.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

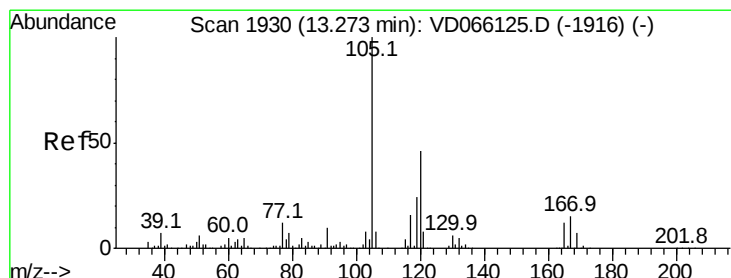
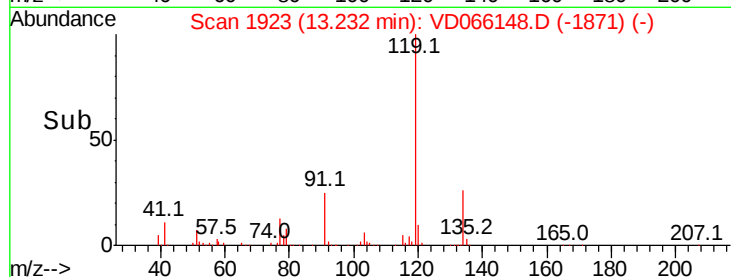
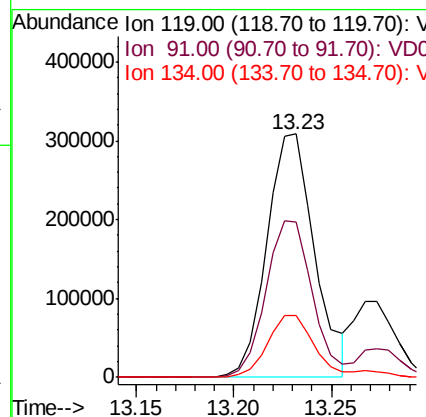
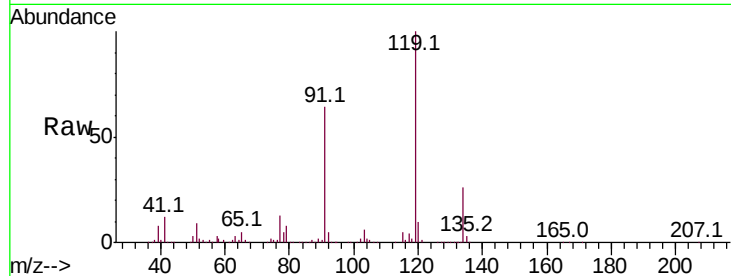




#83
tert-Butylbenzene
Concen: 50.374 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

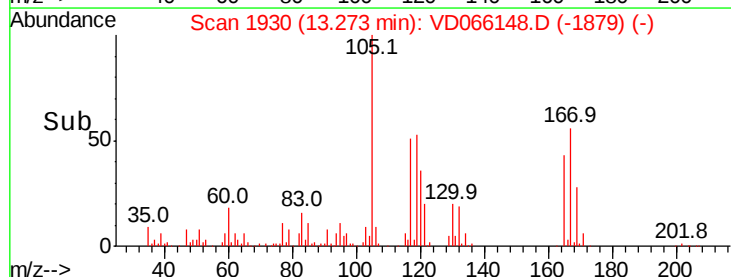
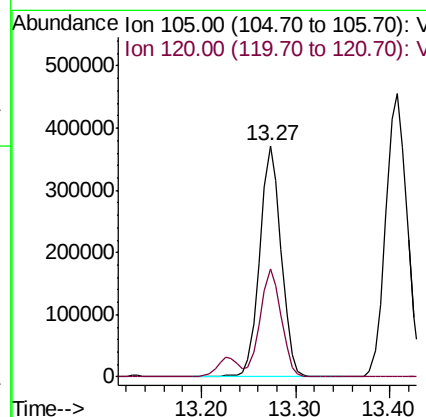
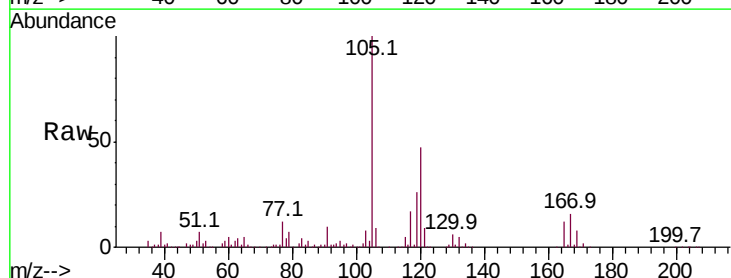
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

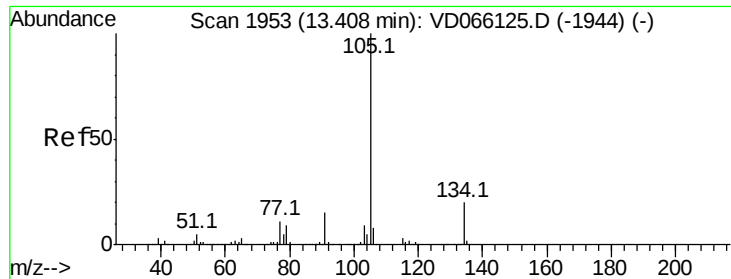
Tot Ion:119 Resp: 523844
Ion Ratio Lower Upper
119 100
91 62.3 30.8 92.4
134 26.5 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 49.620 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion:105 Resp: 587182
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 50.917 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

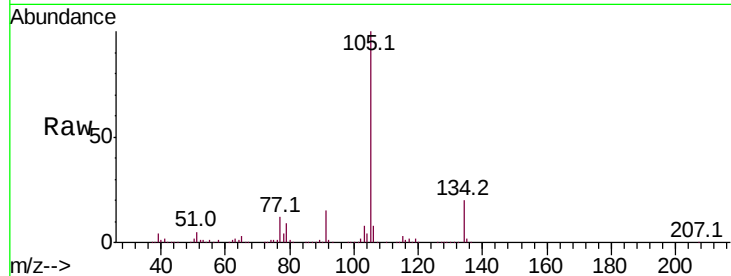
VSTDCCC050

Tot Ion:105 Resp: 714869

Ion Ratio Lower Upper

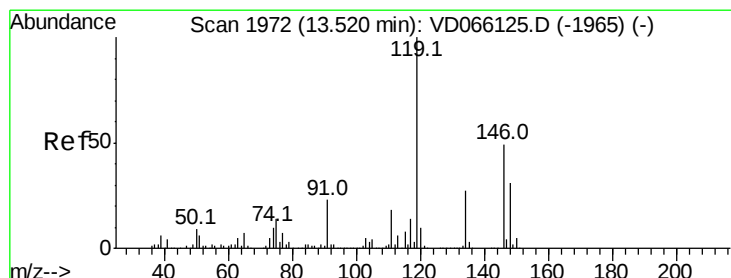
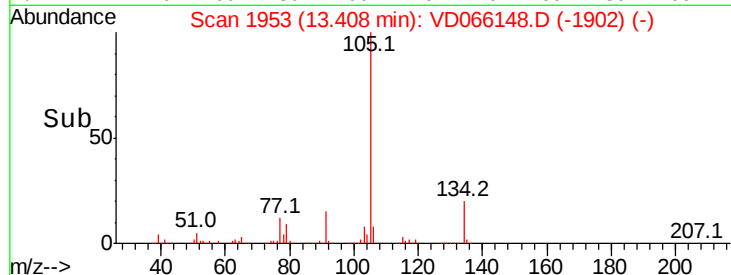
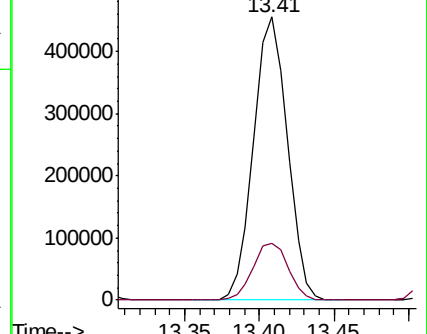
105 100

134 21.0 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.941 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

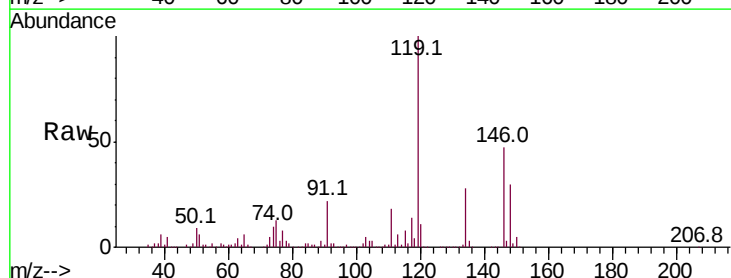
Tgt Ion:119 Resp: 657636

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

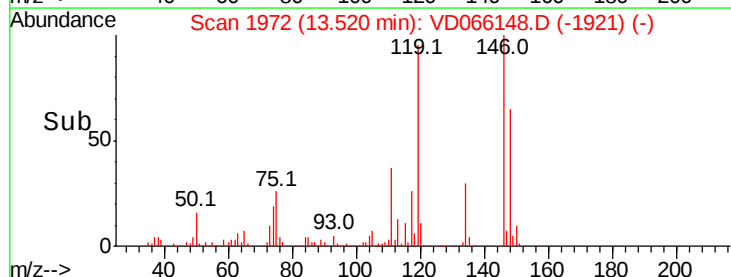
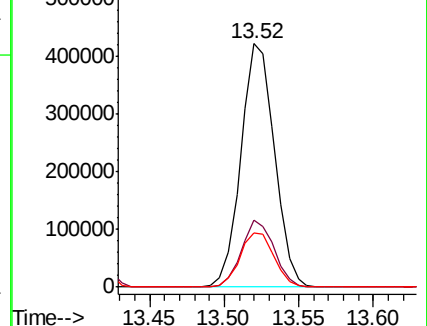
91 22.7 11.2 33.5

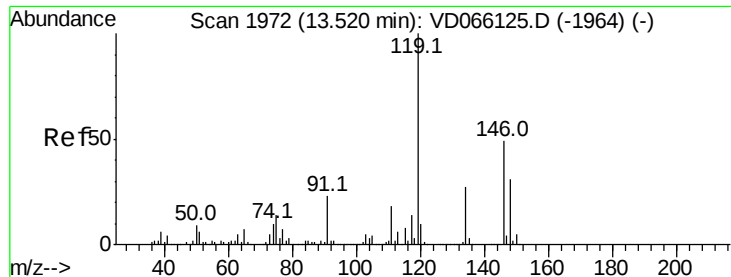


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

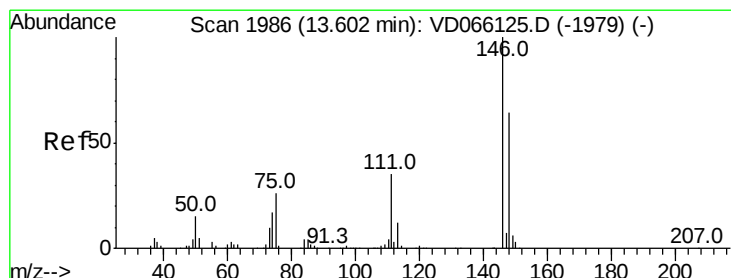
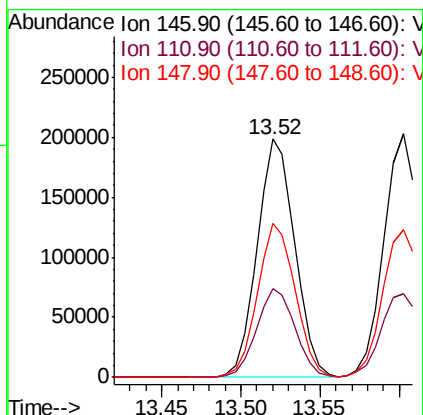
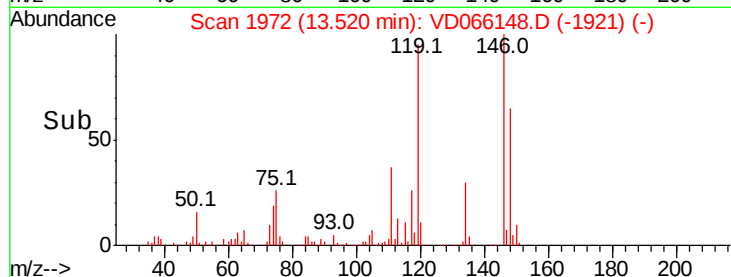
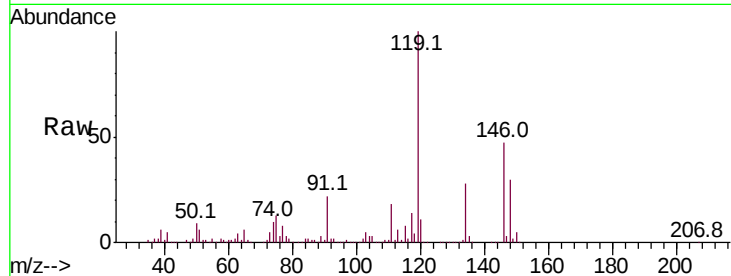




#87
 1,3-Dichlorobenzene
 Concen: 47.957 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

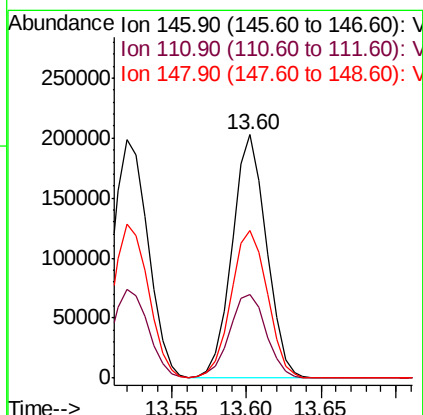
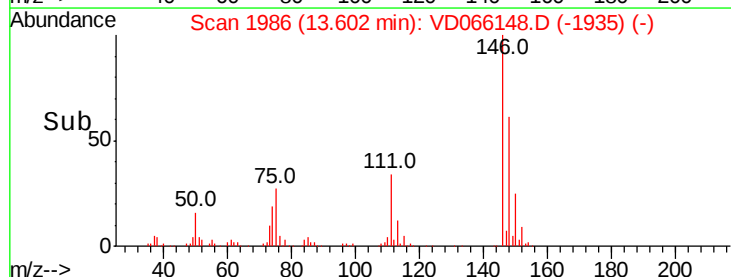
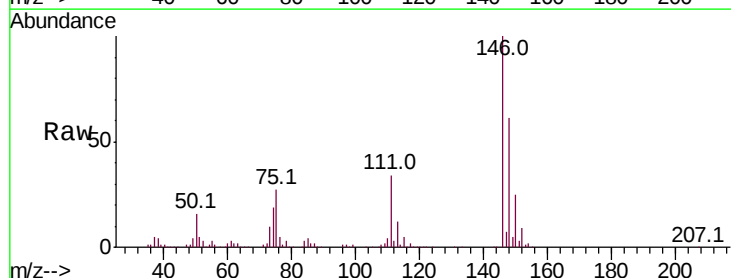
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

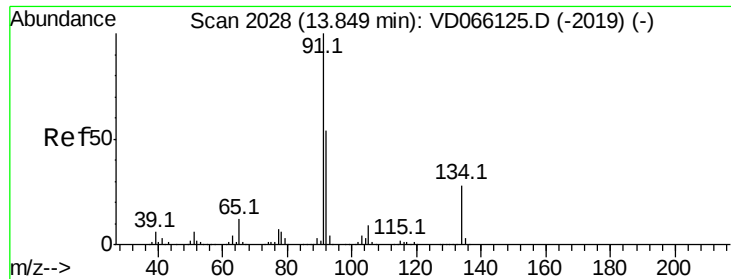
Tot Ion:146 Resp: 328052
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.9
 148 64.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 47.717 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion:146 Resp: 325528
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.8
 148 64.4 32.4 97.0

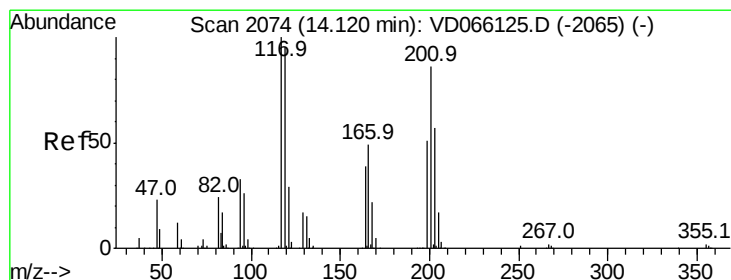
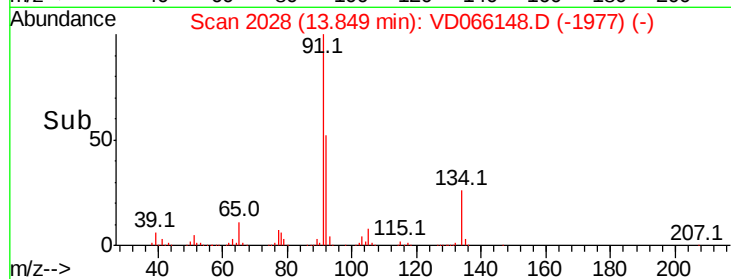
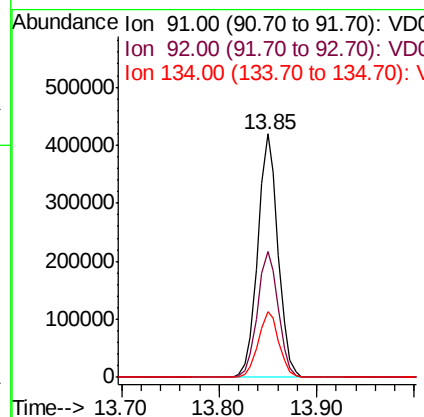
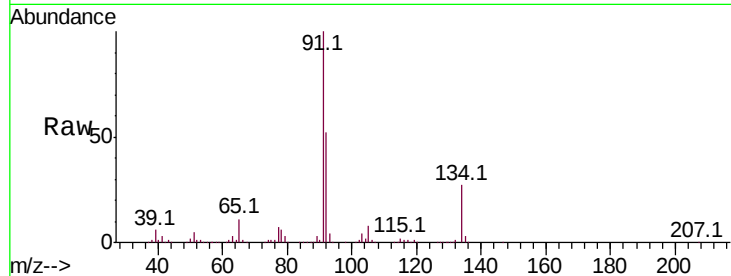




#89
n-Butylbenzene
Concen: 51.944 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

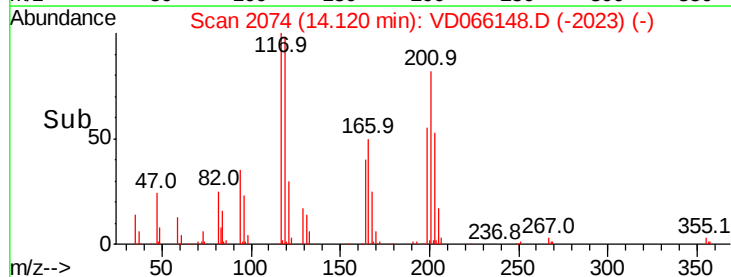
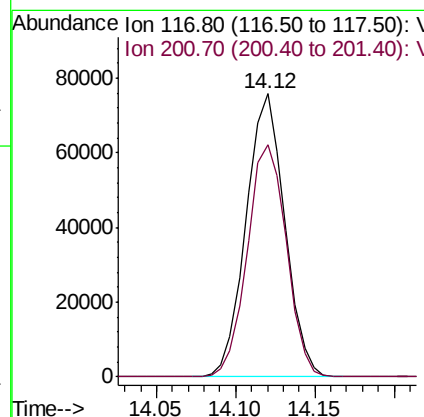
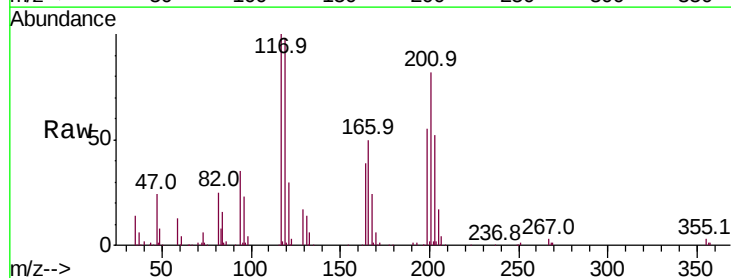
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

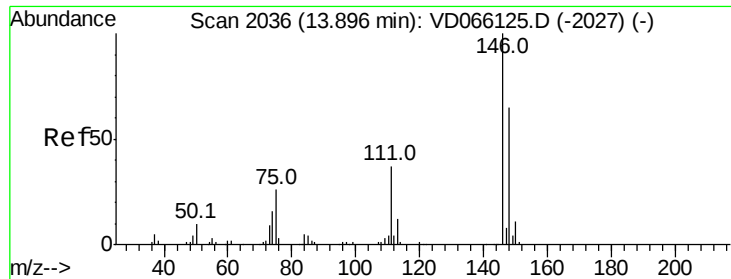
Tot Ion: 91 Resp: 612846
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.3
134 27.4 14.0 41.9



#90
Hexachloroethane
Concen: 48.925 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 117 Resp: 128491
Ion Ratio Lower Upper
117 100
201 82.8 42.7 128.1

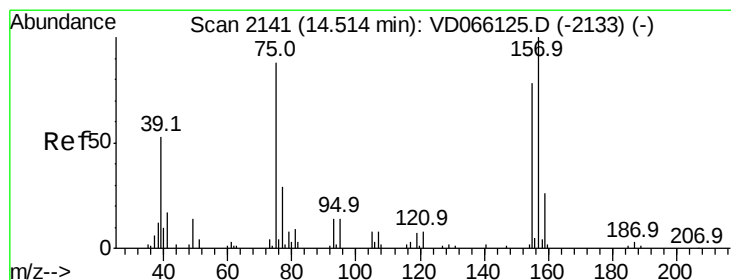
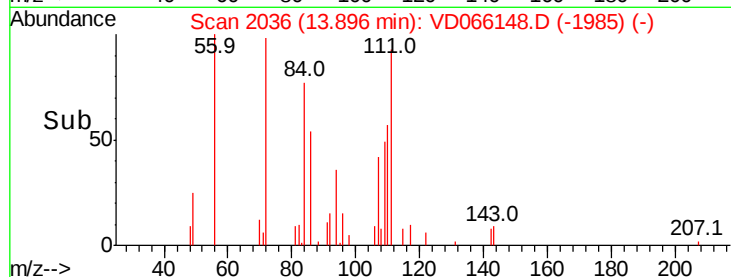
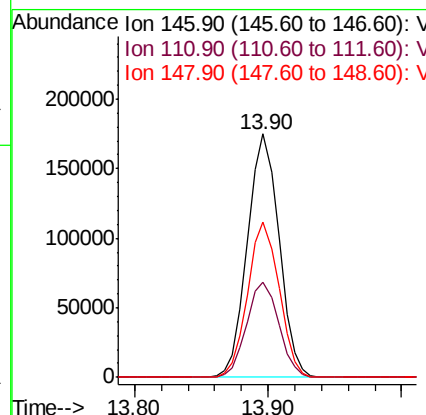
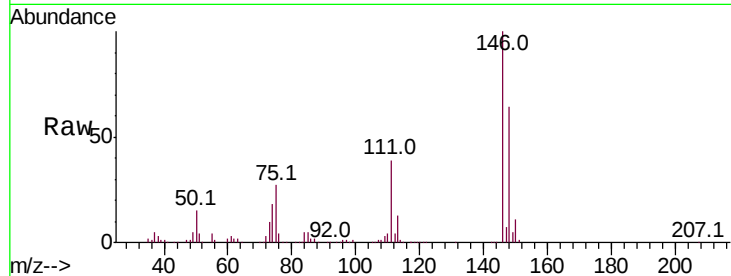




#91
 1,2-Dichlorobenzene
 Concen: 47.364 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

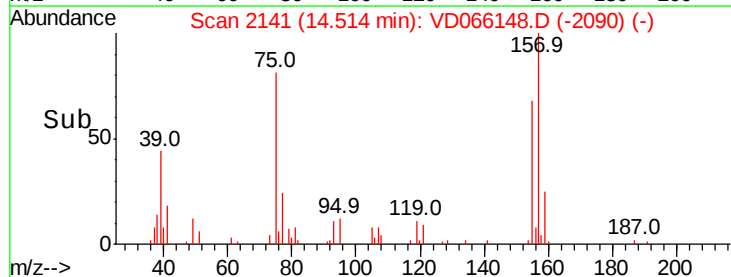
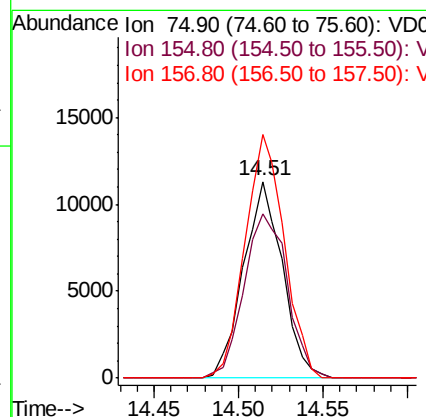
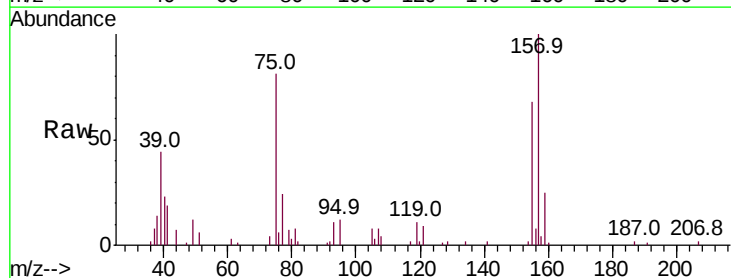
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

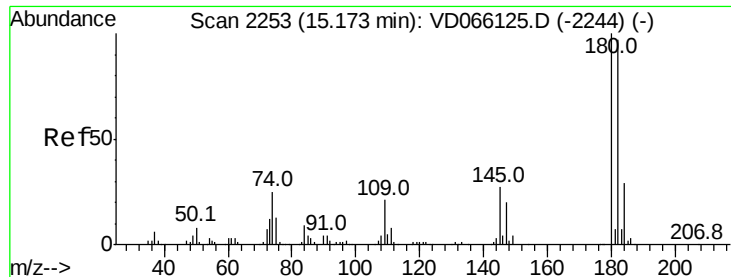
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.8	56.3
148	63.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.710 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	47.7	143.1
157	124.8	62.1	186.2

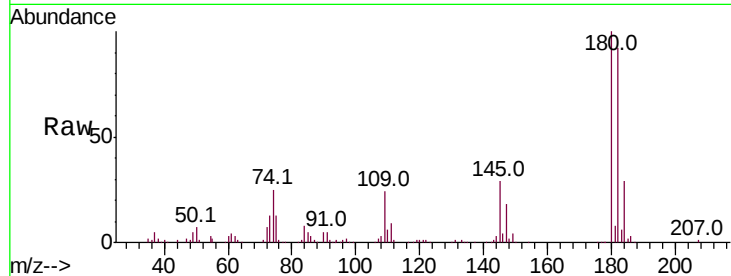




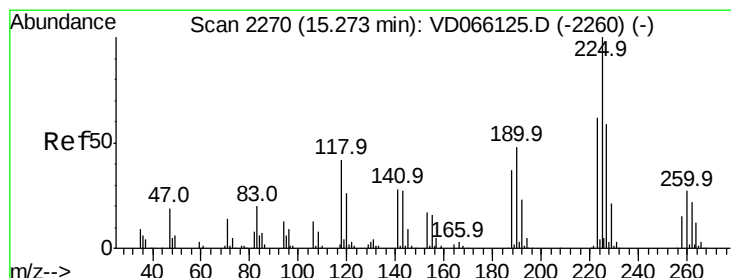
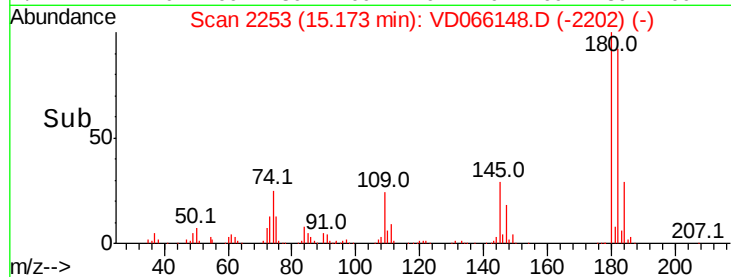
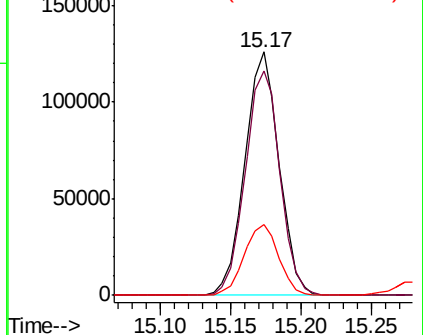
#93
 1,2,4-Trichlorobenzene
 Concen: 47.962 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.2
145	29.5	14.5	43.6

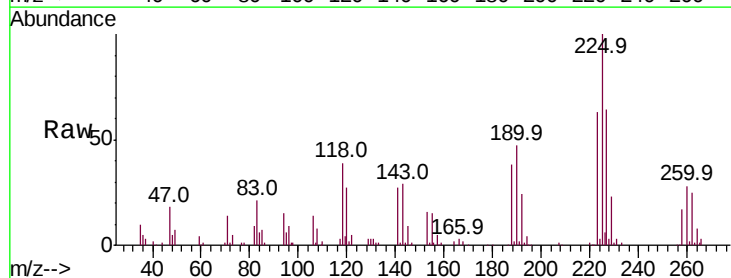


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

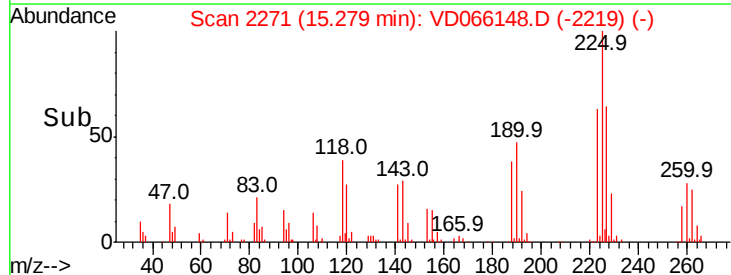
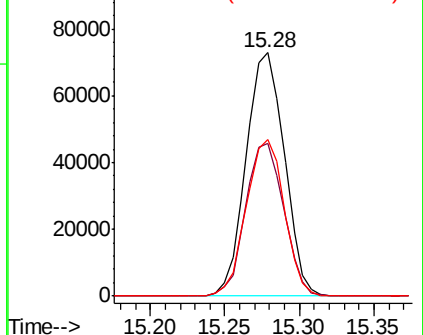


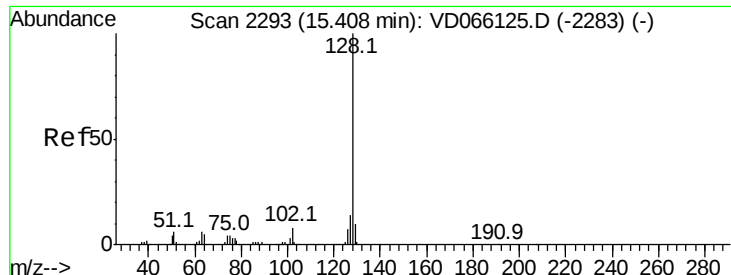
#94
 Hexachlorobutadiene
 Concen: 49.264 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.3	96.9
227	63.7	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

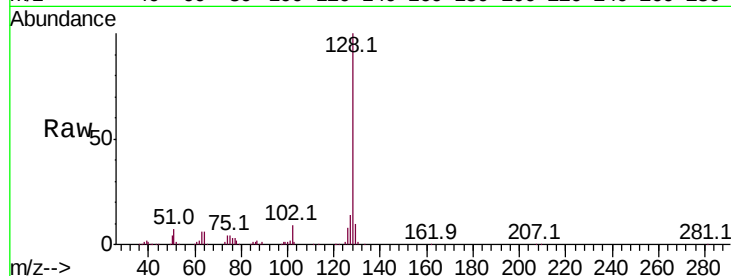




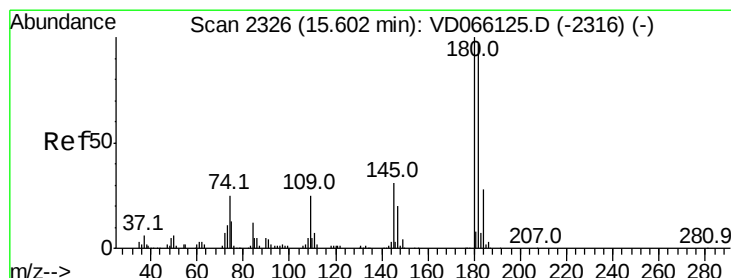
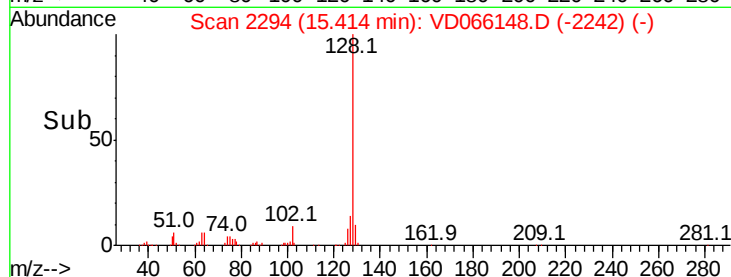
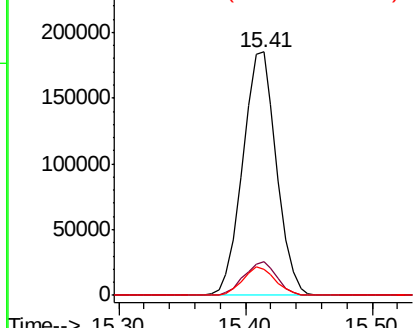
#95
Naphthalene
Concen: 46.992 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 341362
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 11.2 8.8 13.2

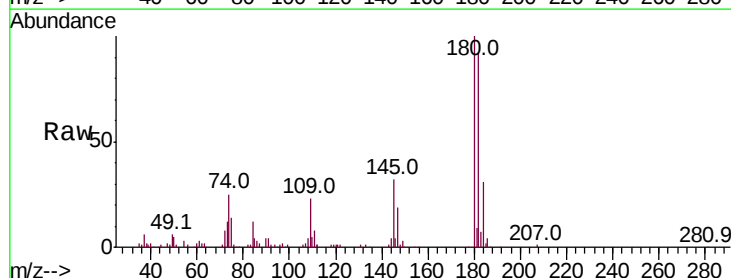


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 46.335 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion:180 Resp: 182357
Ion Ratio Lower Upper
180 100
182 94.1 47.1 141.4
145 30.5 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

