

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061220\
 Data File : VD065787.D
 Acq On : 12 Jun 2020 10:03
 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: Jun 13 01:49:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	214718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	328584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	305687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	106561	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.91	113	106823	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.34	98	414876	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.64	95	139042	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62029	42.349	ug/l	98
3) Chloromethane	2.21	50	119682	49.729	ug/l	99
4) Vinyl Chloride	2.35	62	141135	44.552	ug/l	99
5) Bromomethane	2.77	94	99377	44.857	ug/l	99
6) Chloroethane	2.92	64	100900	47.106	ug/l	94
7) Trichlorofluoromethane	3.27	101	158078	44.043	ug/l	96
8) Diethyl Ether	3.70	74	40470	42.887	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	93566	43.719	ug/l	99
10) Methyl Iodide	4.30	142	92738	44.499	ug/l	99
11) Tert butyl alcohol	5.21	59	25465	208.172	ug/l	98
12) 1,1-Dichloroethene	4.07	96	84367	43.252	ug/l	95
13) Acrolein	3.92	56	25616	214.949	ug/l	99
14) Allyl chloride	4.71	41	145101	45.007	ug/l	96
15) Acrylonitrile	5.42	53	94877	221.373	ug/l	98
16) Acetone	4.15	43	115124	287.651	ug/l	99
17) Carbon Disulfide	4.40	76	290281	44.339	ug/l	100
18) Methyl Acetate	4.71	43	40076	43.955	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	195086	44.155	ug/l	100
20) Methylene Chloride	4.96	84	101076	47.316	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	104140	45.588	ug/l	95
22) Diisopropyl ether	6.36	45	311344	47.795	ug/l	96
23) Vinyl Acetate	6.30	43	879240	239.026	ug/l	98
24) 1,1-Dichloroethane	6.26	63	182480	45.976	ug/l	100
25) 2-Butanone	7.21	43	133807	242.085	ug/l	94
26) 2,2-Dichloropropane	7.21	77	168790	47.962	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	112586	45.817	ug/l	97
28) Bromochloromethane	7.54	49	76949	50.197	ug/l	99
29) Tetrahydrofuran	7.56	42	76749	219.700	ug/l	99
30) Chloroform	7.71	83	190974	46.421	ug/l	98
31) Cyclohexane	7.98	56	164263	43.171	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	175838	46.483	ug/l	96
36) 1,1-Dichloropropene	8.11	75	150579	47.839	ug/l	100
37) Ethyl Acetate	7.28	43	56441	45.524	ug/l	97
38) Carbon Tetrachloride	8.09	117	162720	49.122	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	174971	46.951	ug/l	98
40) Benzene	8.35	78	412098	47.891	ug/l	98
41) Methacrylonitrile	7.53	41	30184	40.887	ug/l #	78
42) 1,2-Dichloroethane	8.42	62	121314	46.725	ug/l	99
43) Isopropyl Acetate	8.45	43	111691	45.304	ug/l	100
44) Trichloroethene	9.11	130	114923	47.991	ug/l	98
45) 1,2-Dichloropropane	9.38	63	102546	47.428	ug/l	100
46) Dibromomethane	9.48	93	55312	47.169	ug/l	99
47) Bromodichloromethane	9.66	83	148171	47.154	ug/l	99
48) Methyl methacrylate	9.46	41	56714	47.525	ug/l	97
49) 1,4-Dioxane	9.46	88	10860	870.104	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	281072	232.665	ug/l	97
52) Toluene	10.40	92	275277	49.234	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	137618	48.364	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	164080	48.825	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	76214	48.642	ug/l	99
56) Ethyl methacrylate	10.66	69	89757	48.704	ug/l	97
57) 1,3-Dichloropropane	10.95	76	127467	46.958	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	229045	267.326	ug/l	99
59) 2-Hexanone	10.98	43	205223	251.974	ug/l	99
60) Dibromochloromethane	11.14	129	101957	48.170	ug/l	100
61) 1,2-Dibromoethane	11.25	107	71449	46.401	ug/l	96
64) Tetrachloroethene	10.88	164	94469	45.702	ug/l	96
65) Chlorobenzene	11.67	112	282682	47.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	106117	47.704	ug/l	97
67) Ethyl Benzene	11.75	91	518267	48.614	ug/l	97
68) m/p-Xylenes	11.86	106	401865	97.863	ug/l	99
69) o-Xylene	12.18	106	180540	48.762	ug/l	99
70) Styrene	12.20	104	318040	49.620	ug/l	98
71) Bromoform	12.36	173	58997	48.162	ug/l #	99
73) Isopropylbenzene	12.48	105	508638	47.947	ug/l	99
74) N-amyl acetate	12.29	43	106876	45.284	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	80106	44.712	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	61952m	50.346	ug/l	
77) Bromobenzene	12.77	156	118975	47.402	ug/l	98
78) n-propylbenzene	12.83	91	618420	48.430	ug/l	99
79) 2-Chlorotoluene	12.91	91	336492	48.035	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	422545	47.865	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	26751	46.971	ug/l	96
82) 4-Chlorotoluene	13.01	91	352719	46.910	ug/l	99
83) tert-Butylbenzene	13.23	119	370755	48.402	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	437796	49.547	ug/l	99
85) sec-Butylbenzene	13.41	105	513266	48.149	ug/l	99
86) p-Isopropyltoluene	13.52	119	487188	49.863	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	238238	48.139	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	232975	47.324	ug/l	99
89) n-Butylbenzene	13.85	91	458941	49.250	ug/l	99
90) Hexachloroethane	14.12	117	96964	49.580	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	198867	46.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14061	47.159	ug/l	87

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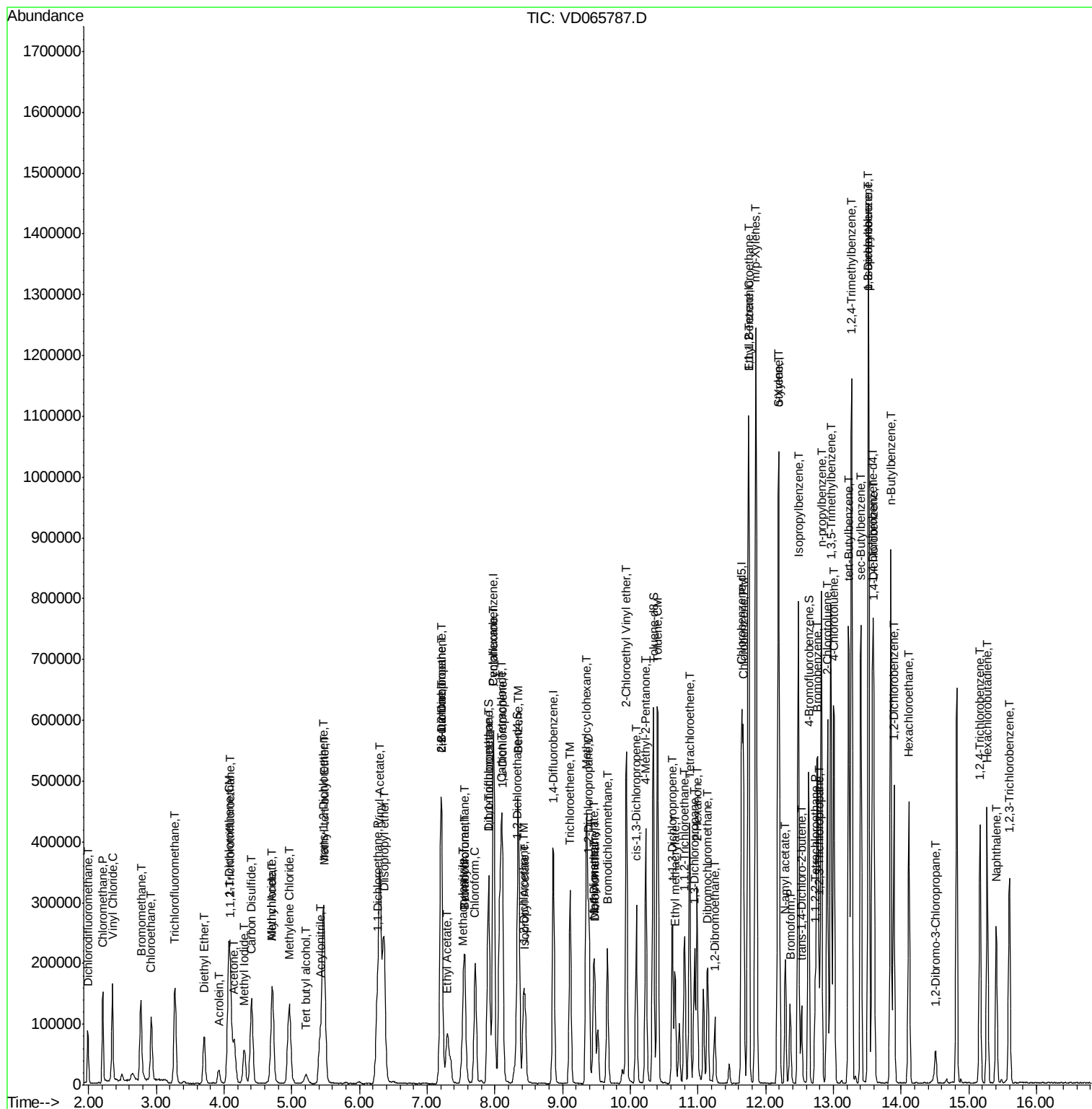
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	137445	47.462	ug/l	99
94) Hexachlorobutadiene	15.27	225	81094	46.323	ug/l	98
95) Naphthalene	15.41	128	220560	44.963	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	118412	47.476	ug/l	99

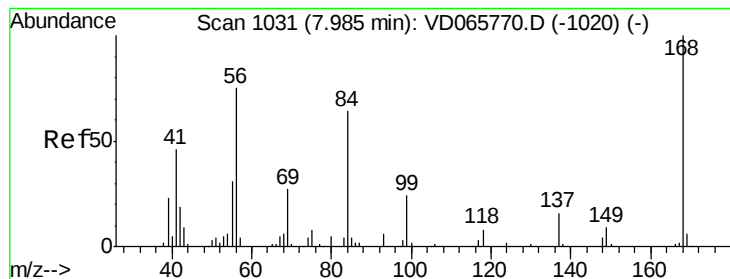
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

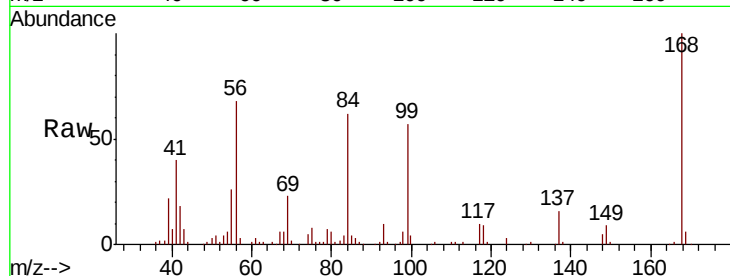
VSTDCCC050

Tot Ion:168 Resp: 214718

Ion Ratio Lower Upper

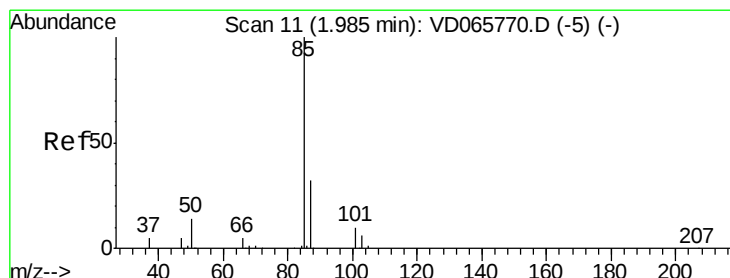
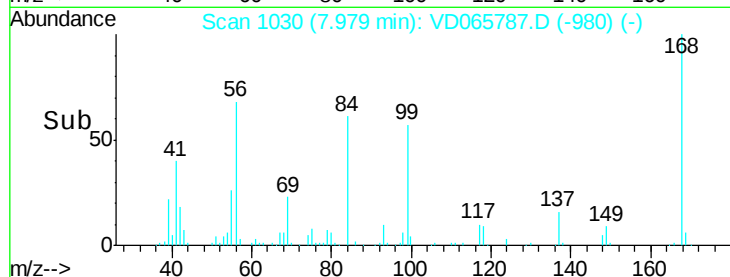
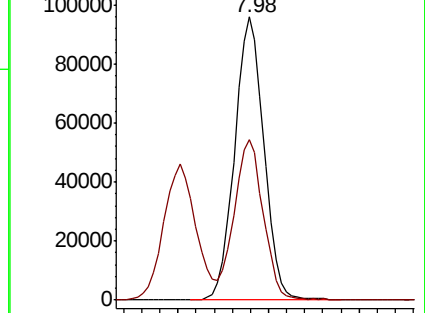
168 100

99 56.5 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.349 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065787.D

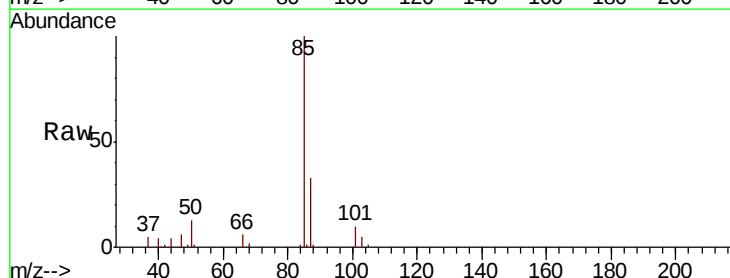
Acq: 12 Jun 2020 10:03

Tgt Ion: 85 Resp: 62029

Ion Ratio Lower Upper

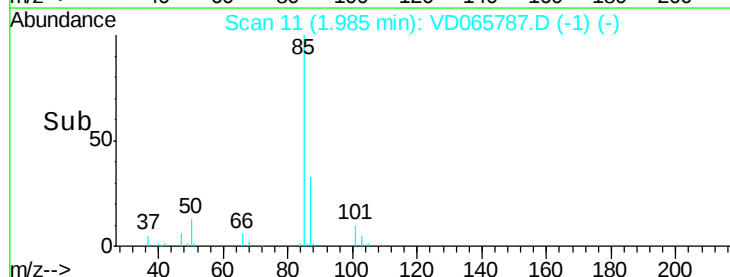
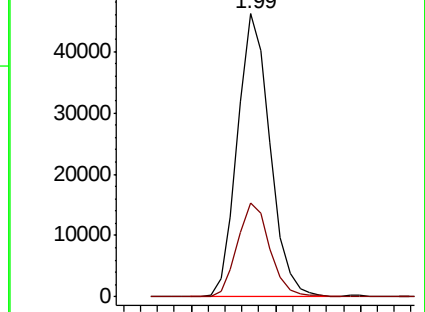
85 100

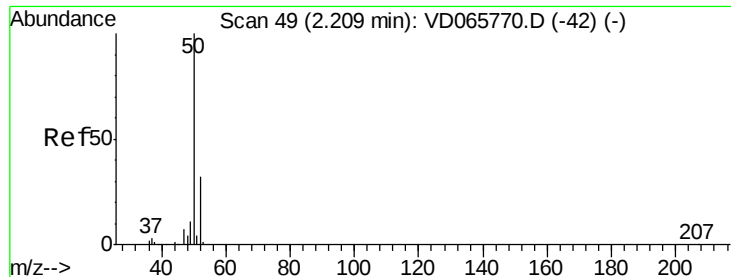
87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.729 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

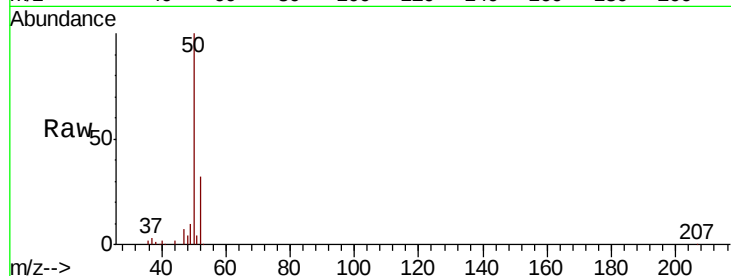
VSTDCCC050

Tot Ion: 50 Resp: 119682

Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

100000

80000

60000

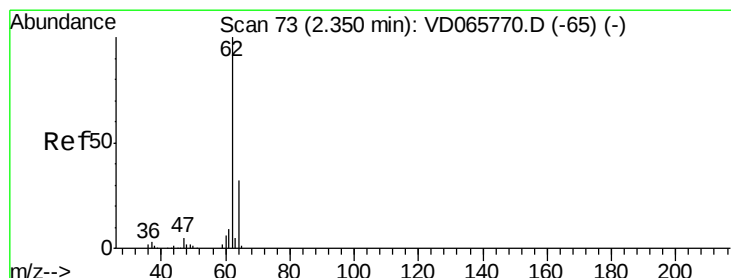
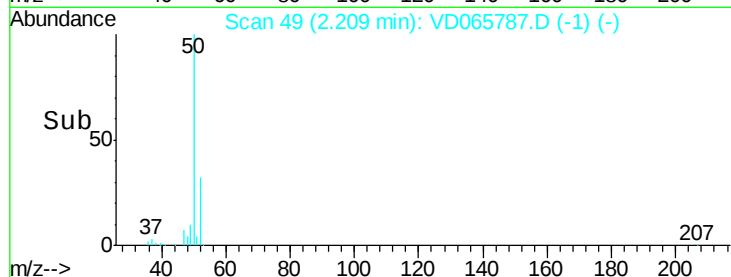
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 44.552 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065787.D

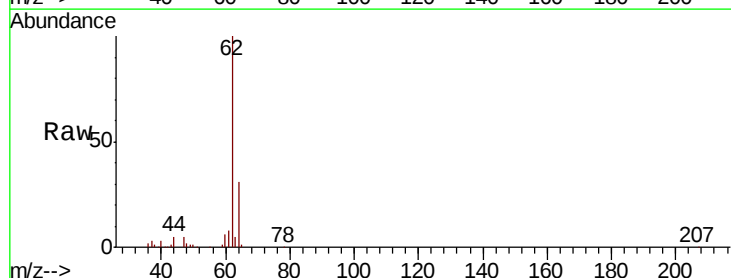
Acq: 12 Jun 2020 10:03

Tgt Ion: 62 Resp: 141135

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

60000

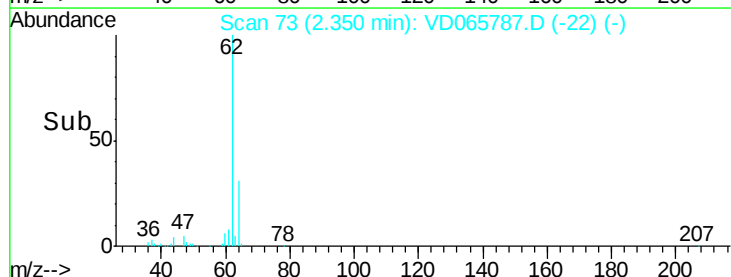
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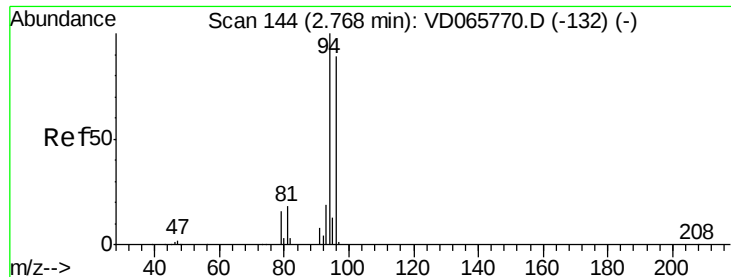
20000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 44.857 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

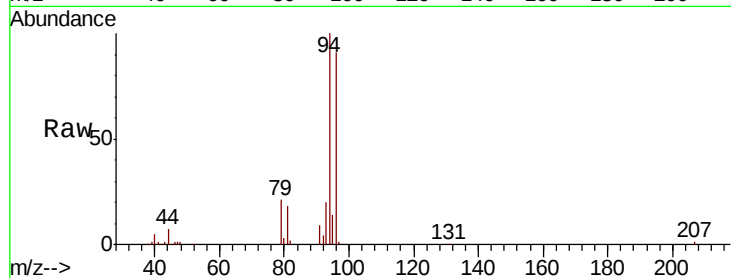
VSTDCCC050

Tot Ion: 94 Resp: 99377

Ion Ratio Lower Upper

94 100

96 90.6 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

50000

40000

30000

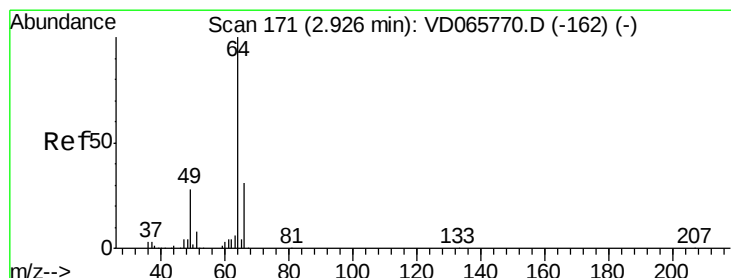
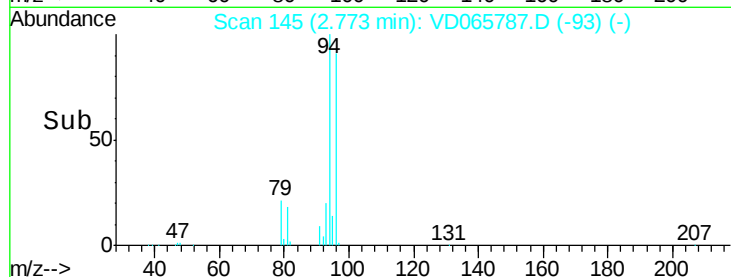
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 47.106 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065787.D

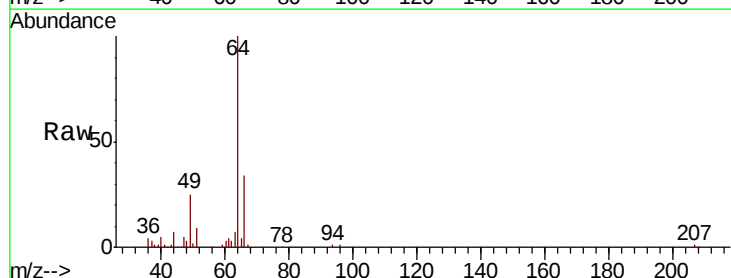
Acq: 12 Jun 2020 10:03

Tgt Ion: 64 Resp: 100900

Ion Ratio Lower Upper

64 100

66 33.7 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

50000

40000

30000

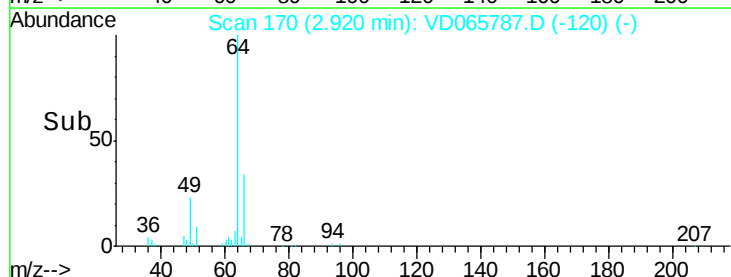
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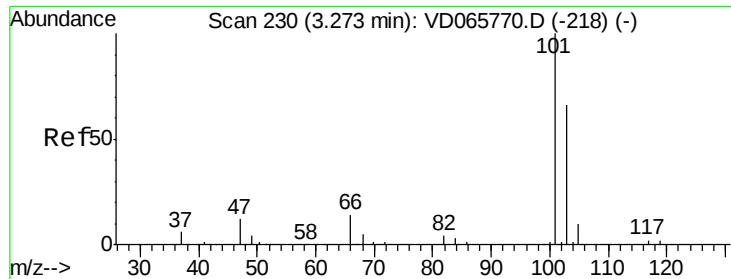
10000

0

Time-->

2.80 2.90 3.00



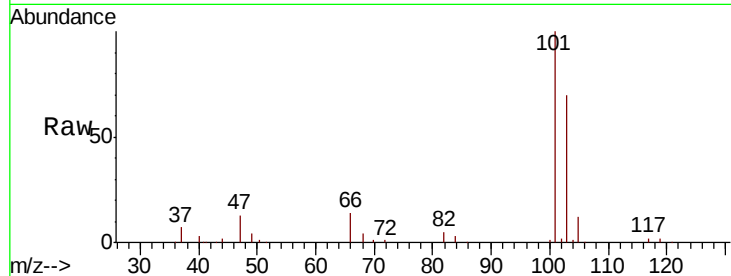


#7

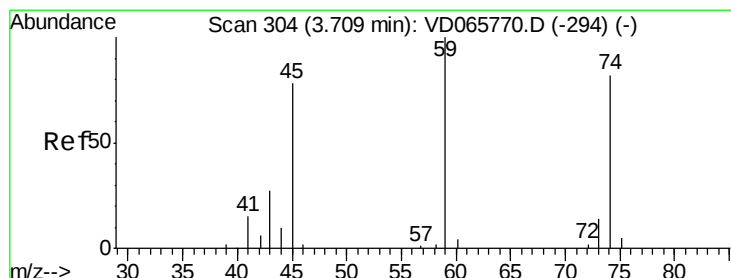
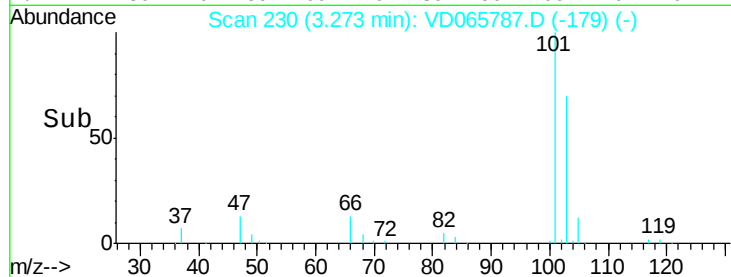
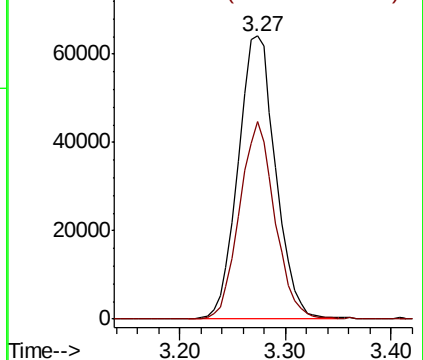
Trichlorofluoromethane
 Concen: 44.043 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Instrument :
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Tot Ion:101 Resp: 158078
 Ion Ratio Lower Upper
 101 100
 103 69.7 53.1 79.7



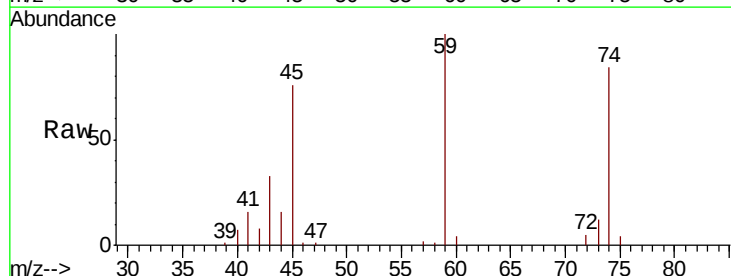
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



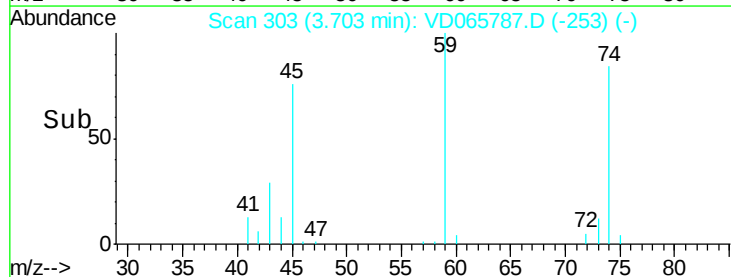
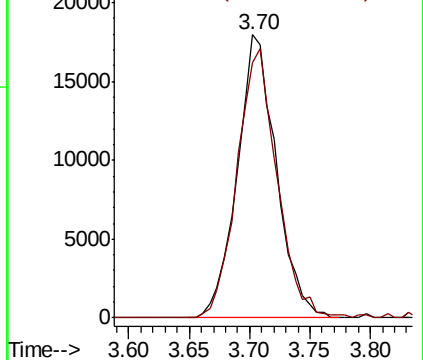
#8

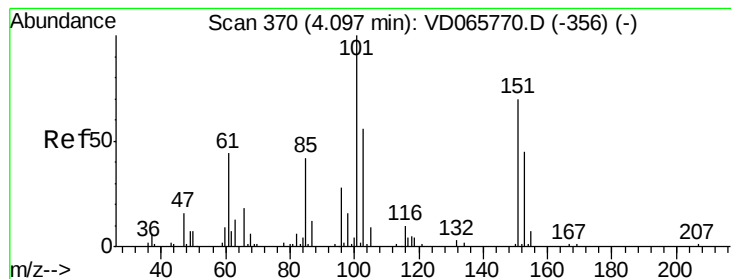
Diethyl Ether
 Concen: 42.887 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Tgt Ion: 74 Resp: 40470
 Ion Ratio Lower Upper
 74 100
 45 97.5 47.9 143.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.719 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD065787.D

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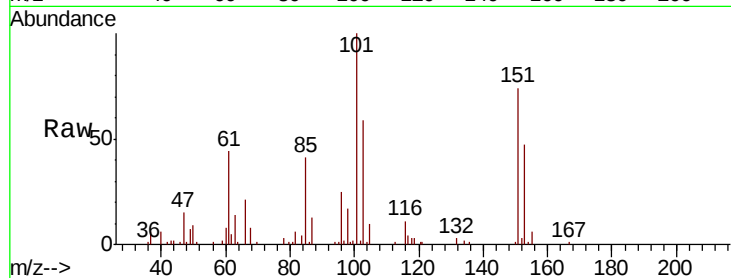
Tot Ion:101 Resp: 93566

Ion Ratio Lower Upper

101 100

85 47.0 36.5 54.7

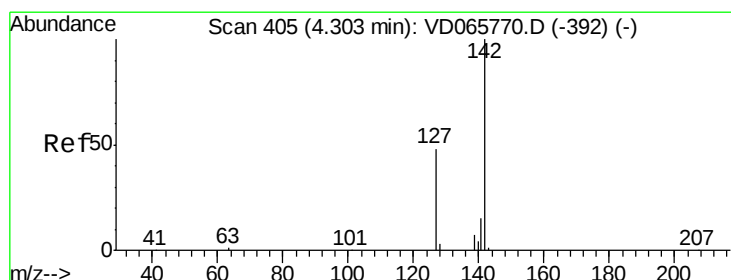
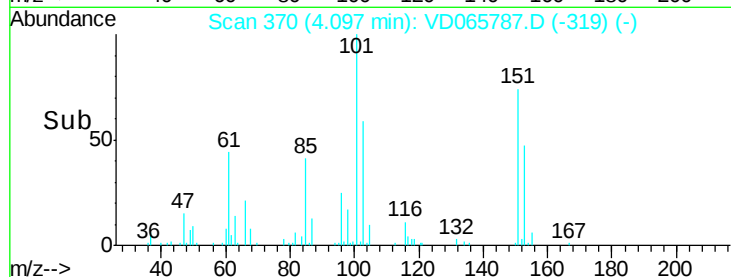
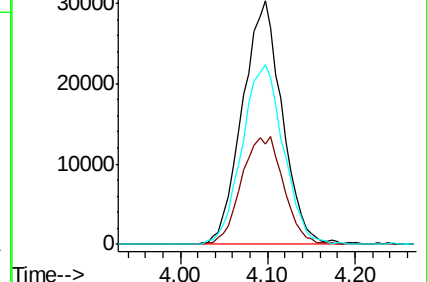
151 76.7 61.8 92.6



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: 44.499 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

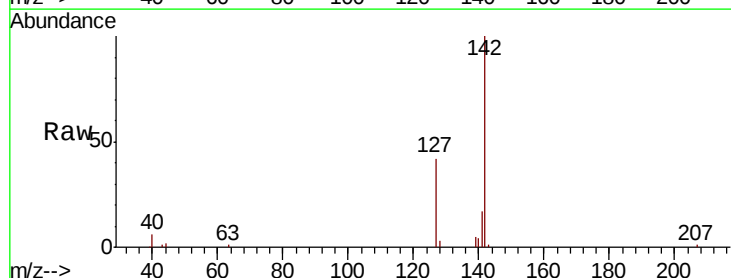
Tgt Ion:142 Resp: 92738

Ion Ratio Lower Upper

142 100

127 46.3 37.6 56.4

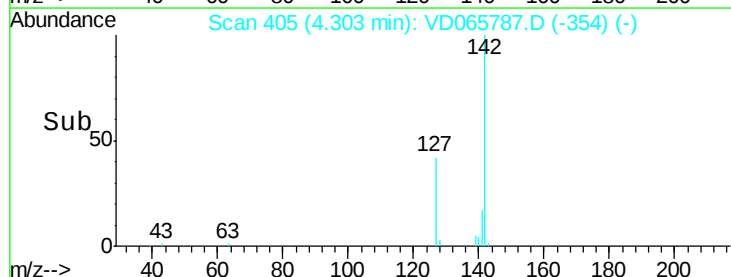
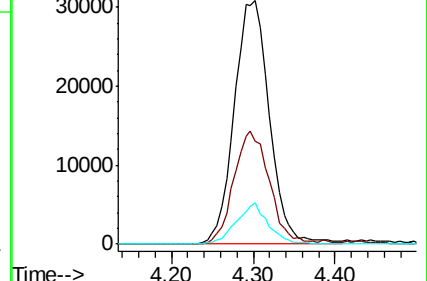
141 15.1 12.1 18.1

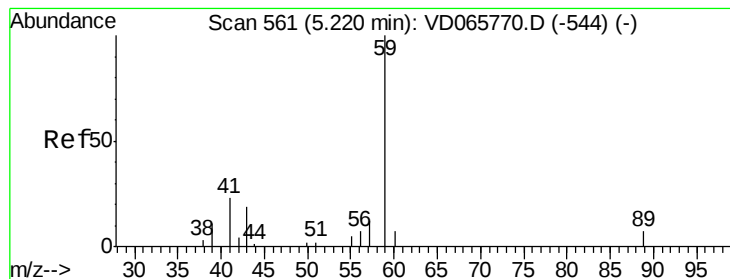


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



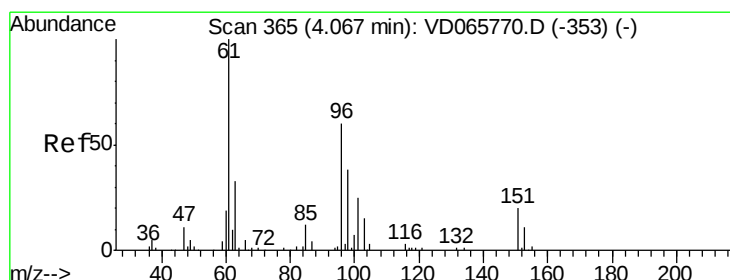
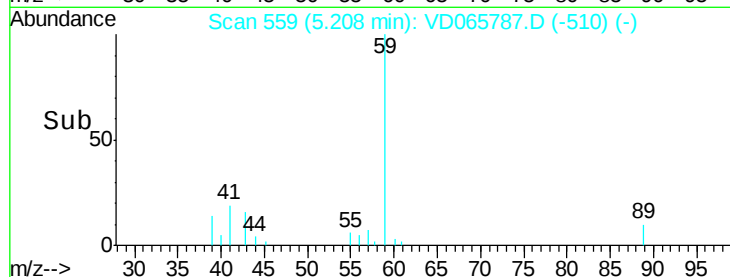
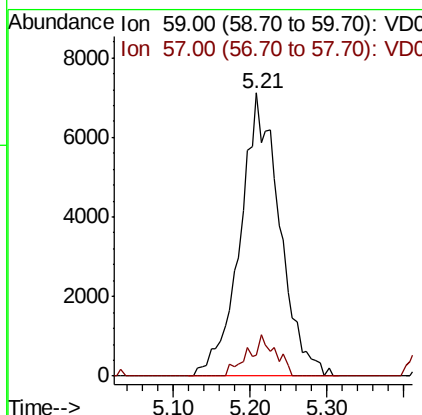
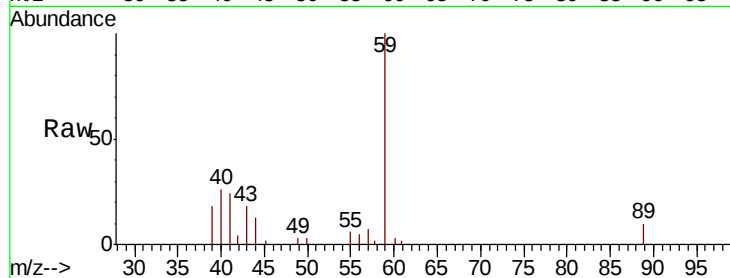


#11

Tert butyl alcohol
 Concen: 208.172 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

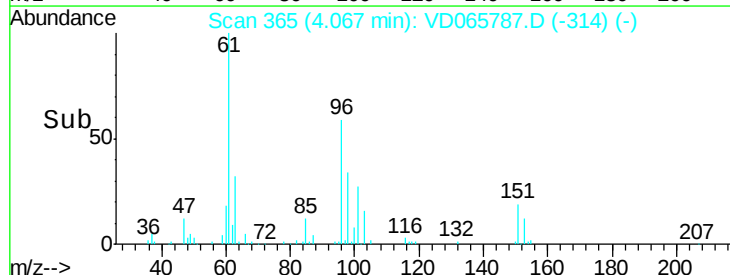
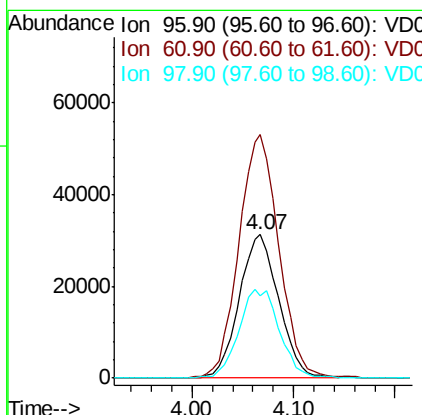
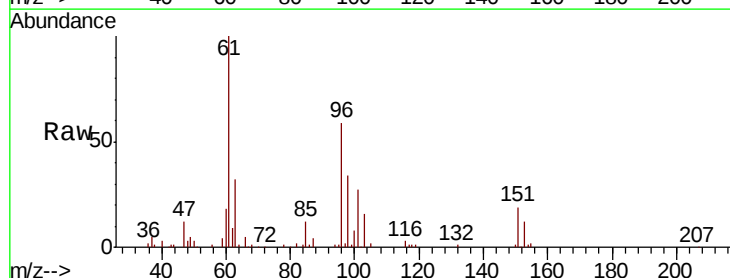
Tot Ion: 59 Resp: 25465
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.5 11.3

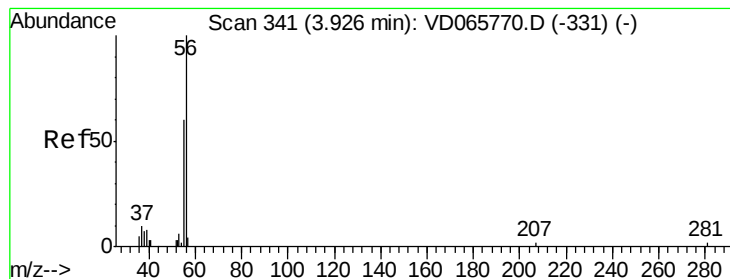


#12

1,1-Dichloroethene
 Concen: 43.252 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Tgt Ion: 96 Resp: 84367
 Ion Ratio Lower Upper
 96 100
 61 169.6 132.3 198.5
 98 56.9 50.7 76.1





#13

Acrolein

Concen: 214.949 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampled :

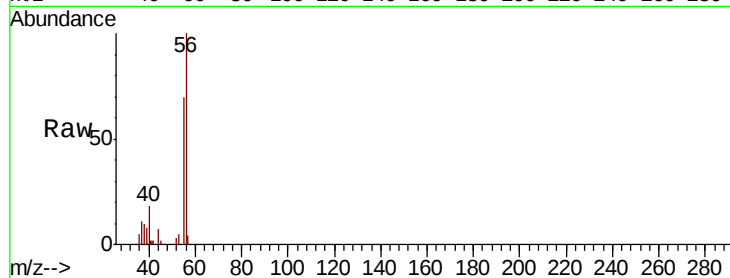
VSTDCCC050

Tot Ion: 56 Resp: 25616

Ion Ratio Lower Upper

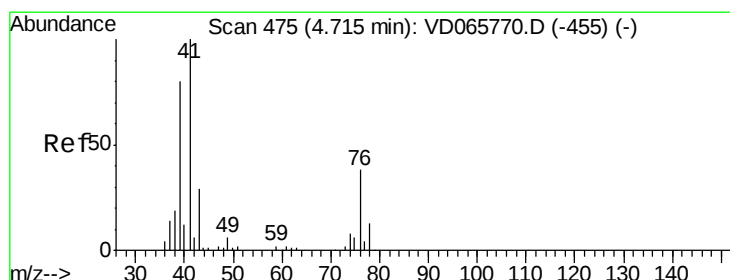
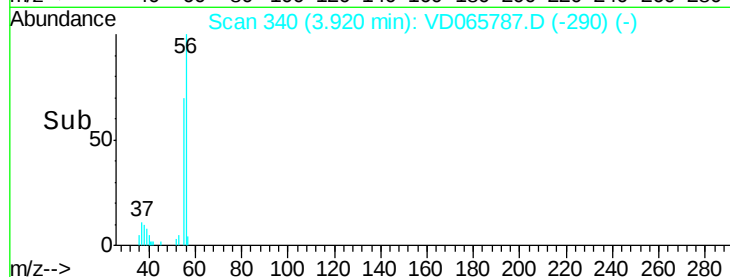
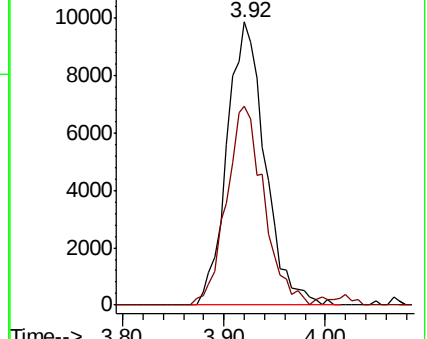
56 100

55 69.4 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 45.007 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

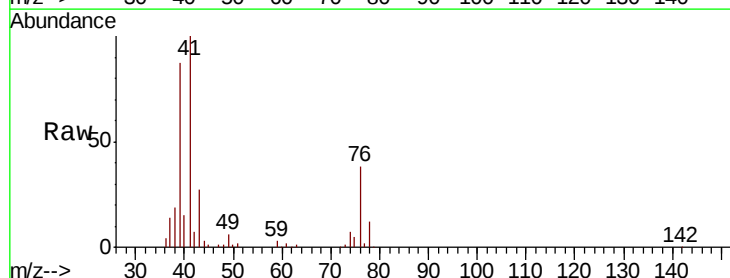
Tgt Ion: 41 Resp: 145101

Ion Ratio Lower Upper

41 100

39 80.5 60.9 91.3

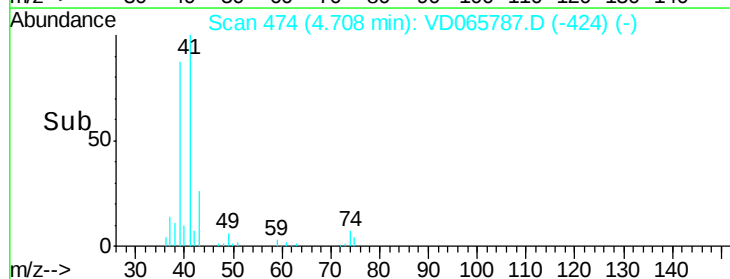
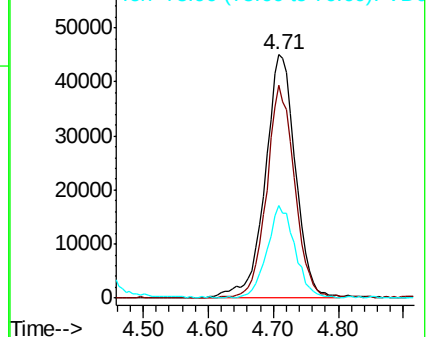
76 35.0 28.9 43.3

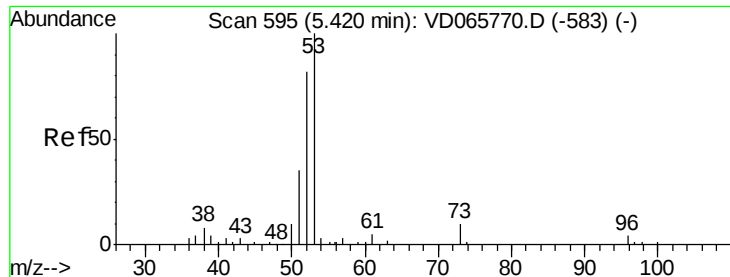


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 221.373 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

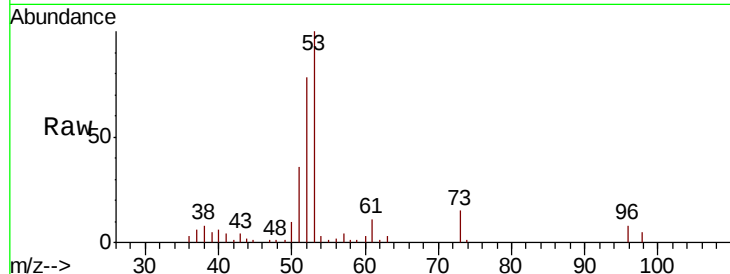
Tot Ion: 53 Resp: 94877

Ion Ratio Lower Upper

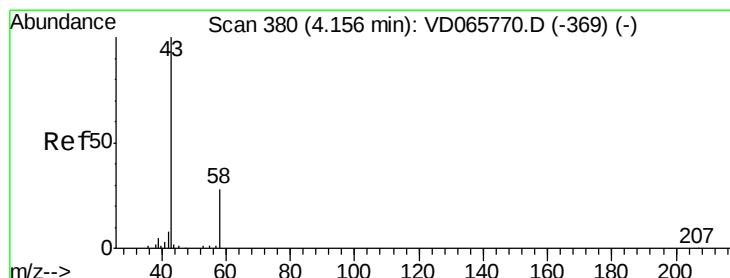
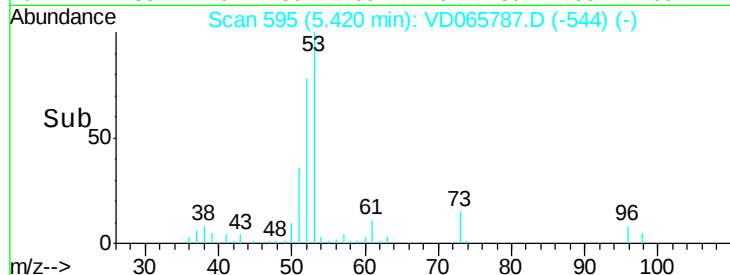
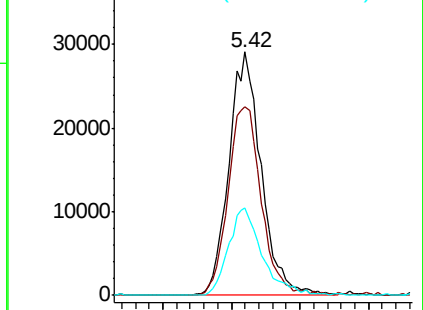
53 100

52 80.3 66.2 99.2

51 37.4 30.7 46.1



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: 287.651 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065787.D

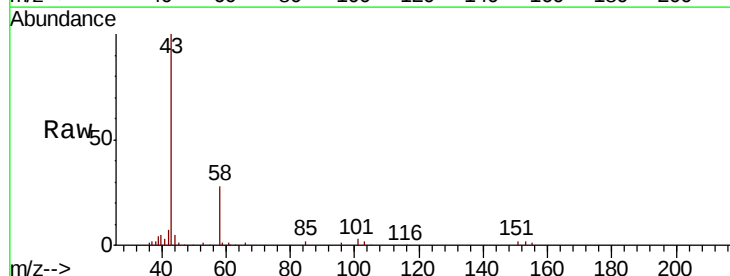
Acq: 12 Jun 2020 10:03

Tgt Ion: 43 Resp: 115124

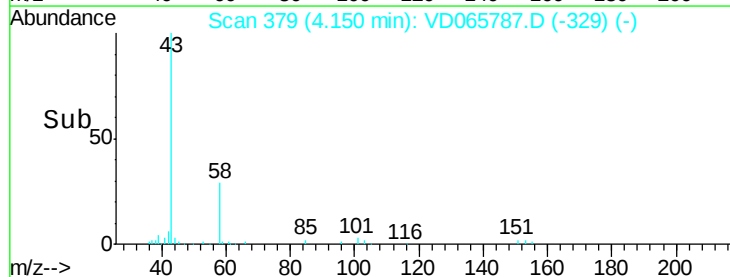
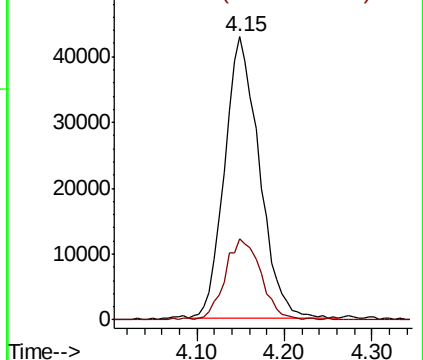
Ion Ratio Lower Upper

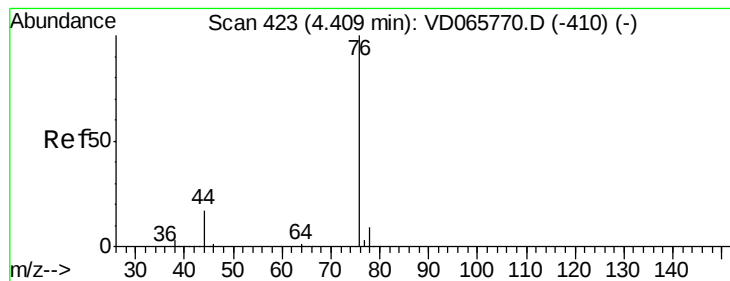
43 100

58 28.3 22.3 33.5



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





#17

Carbon Disulfide

Concen: 44.339 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

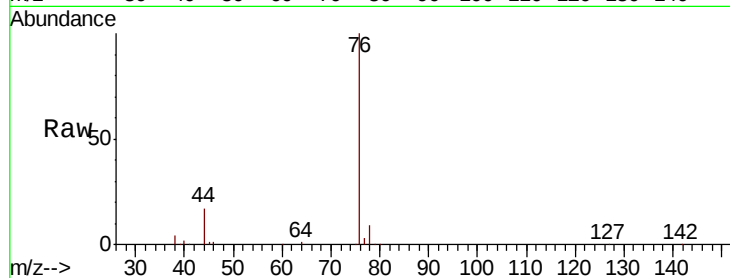
VSTDCCC050

Tot Ion: 76 Resp: 290281

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

120000

100000

80000

60000

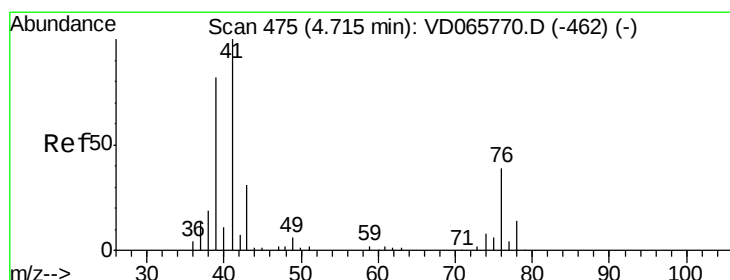
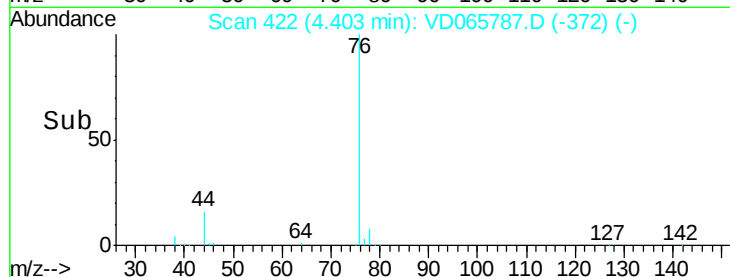
40000

20000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 43.955 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065787.D

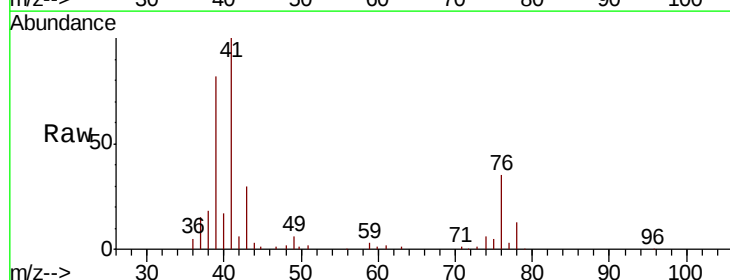
Acq: 12 Jun 2020 10:03

Tgt Ion: 43 Resp: 40076

Ion Ratio Lower Upper

43 100

74 24.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

15000

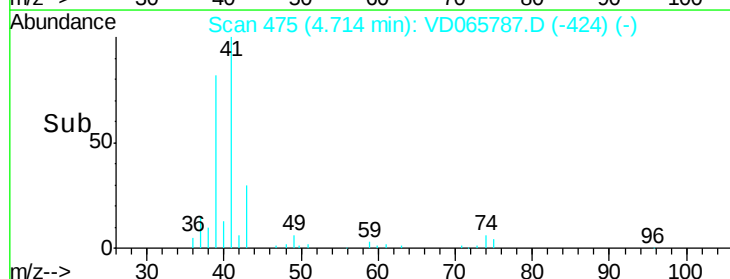
10000

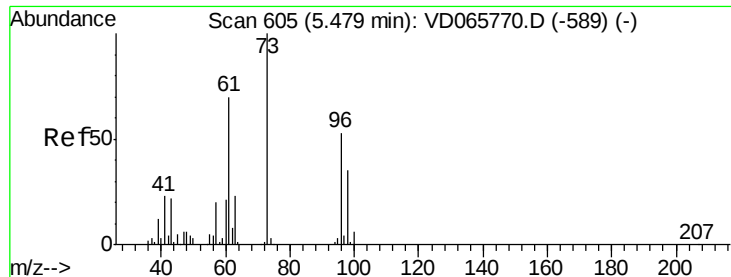
5000

0

4.60 4.70 4.80

Time-->



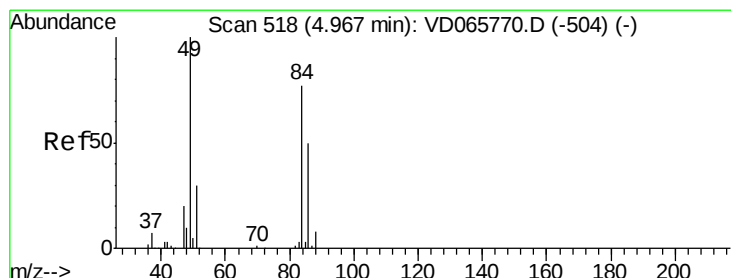
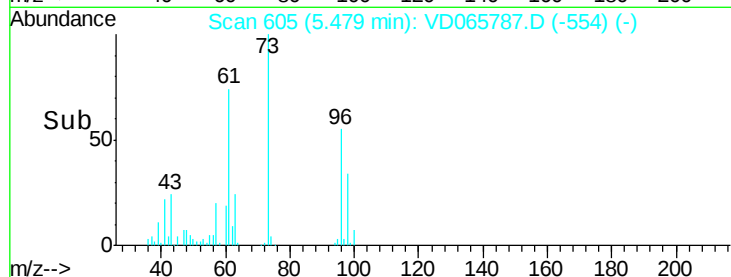
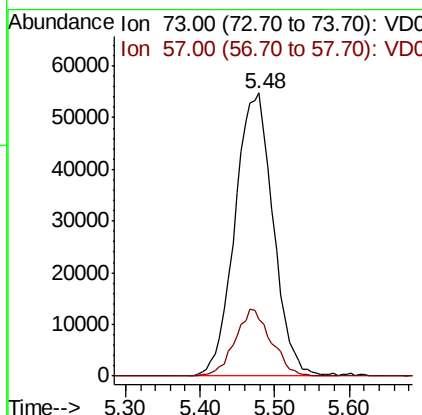
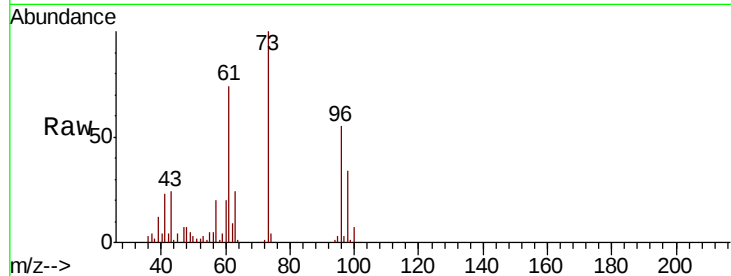


#19

Methyl tert-butyl Ether
 Concen: 44.155 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

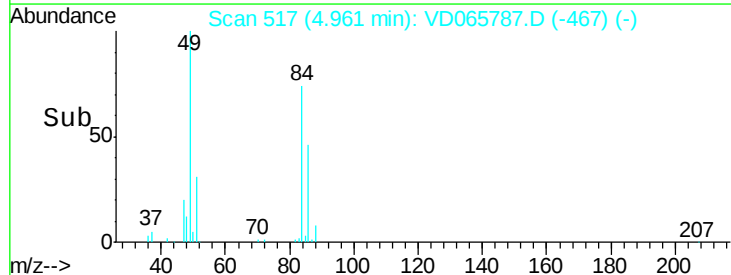
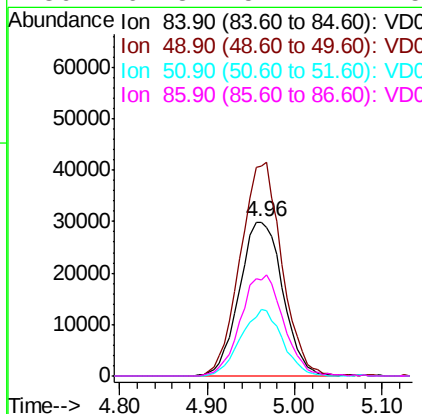
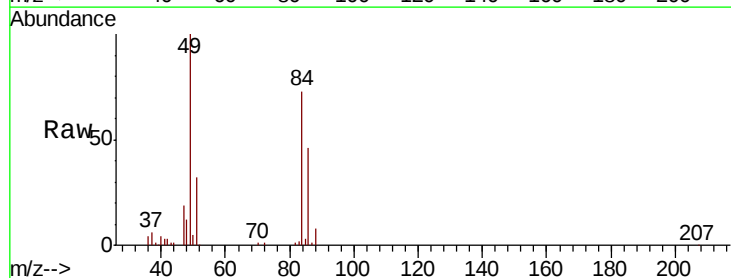
Tot Ion: 73 Resp: 195086
 Ion Ratio Lower Upper
 73 100
 57 20.2 16.2 24.2

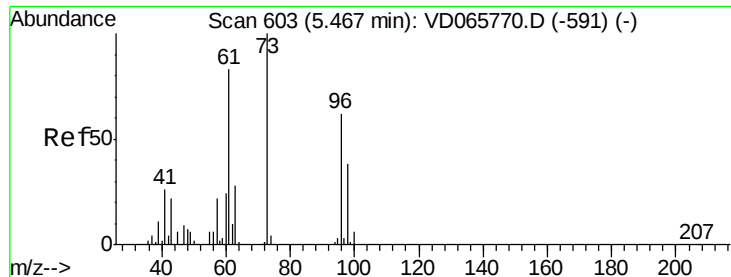


#20

Methylene Chloride
 Concen: 47.316 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Tgt Ion: 84 Resp: 101076
 Ion Ratio Lower Upper
 84 100
 49 136.3 103.4 155.0
 51 43.1 31.4 47.2
 86 62.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 45.588 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

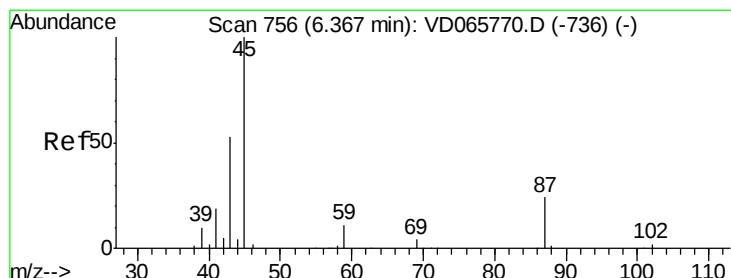
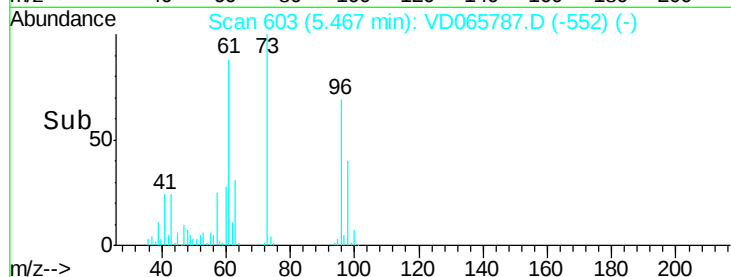
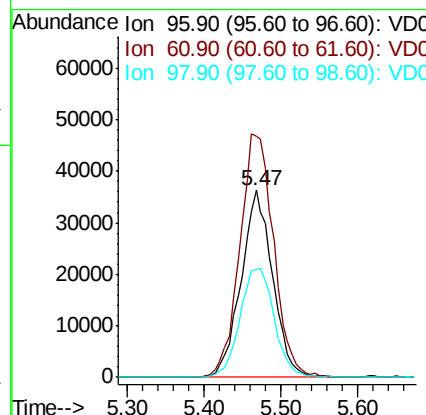
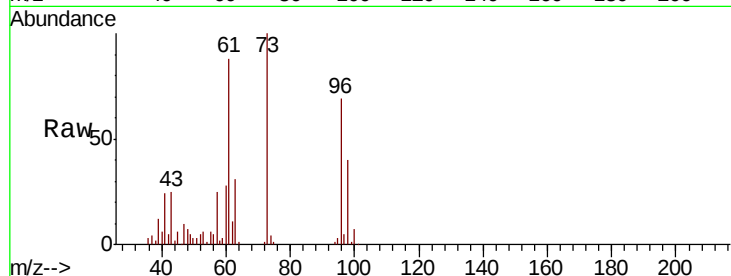
Tot Ion: 96 Resp: 104140

Ion Ratio Lower Upper

96 100

61 128.8 107.7 161.5

98 57.8 49.3 73.9



#22

Diisopropyl ether

Concen: 47.795 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Tgt Ion: 45 Resp: 311344

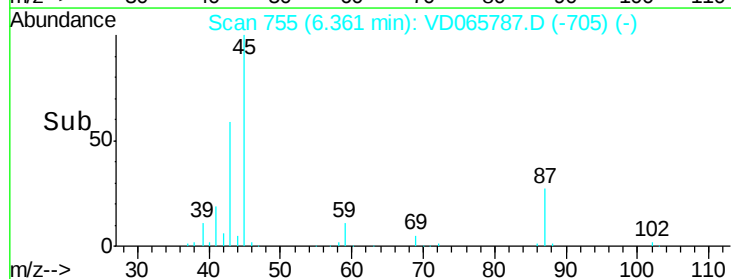
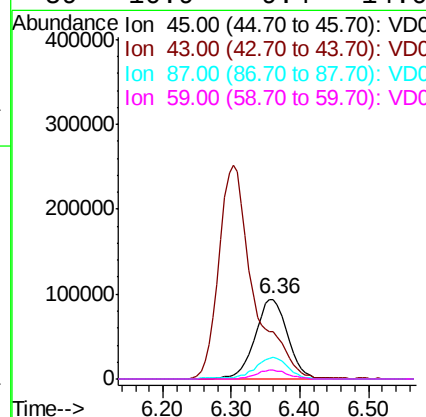
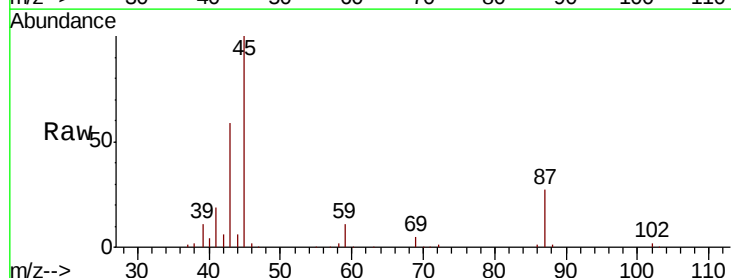
Ion Ratio Lower Upper

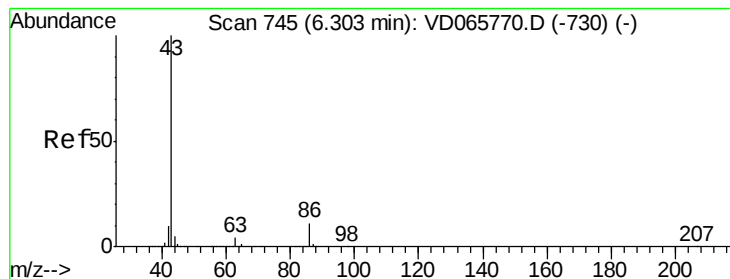
45 100

43 57.7 43.4 65.0

87 26.5 20.2 30.4

59 10.9 9.4 14.0





#23

Vinyl Acetate

Concen: 239.026 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

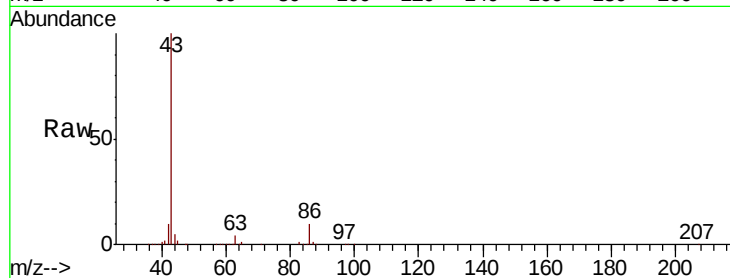
VSTDCCC050

Tot Ion: 43 Resp: 879240

Ion Ratio Lower Upper

43 100

86 9.7 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

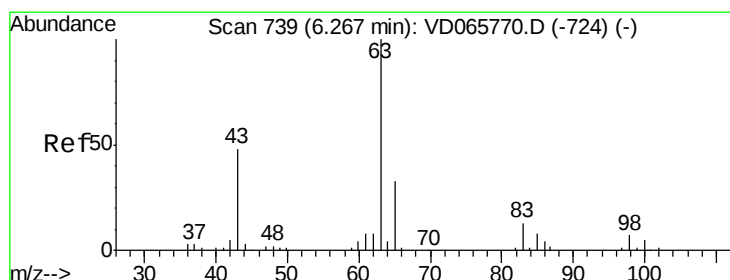
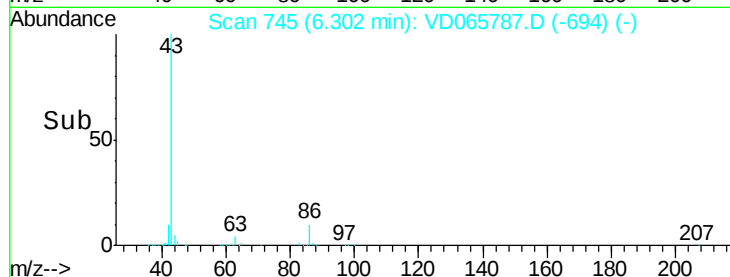
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 45.976 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

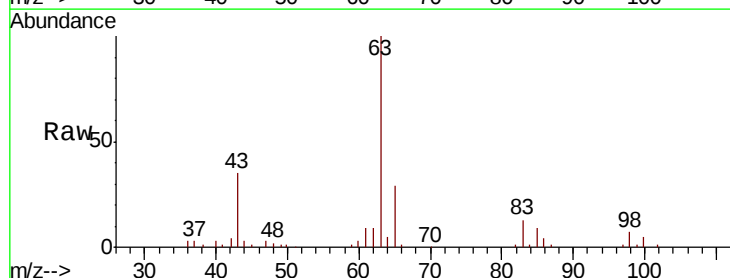
Tgt Ion: 63 Resp: 182480

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.8 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

80000

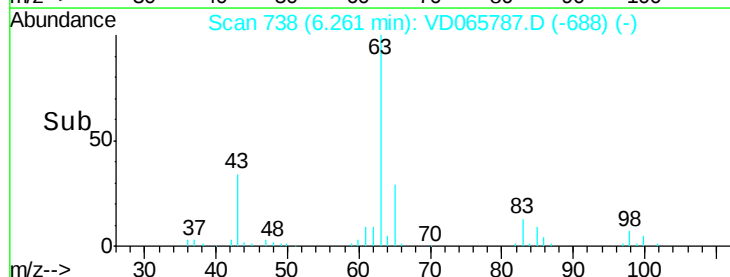
60000

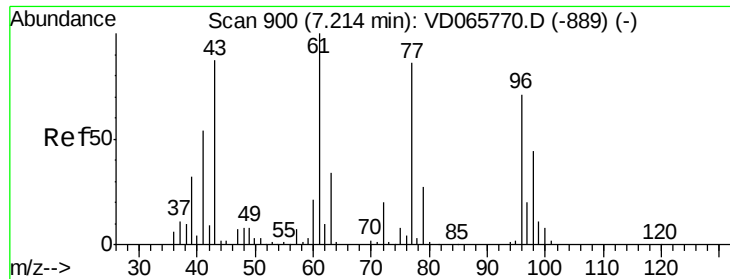
40000

20000

0

Time--> 6.20 6.30

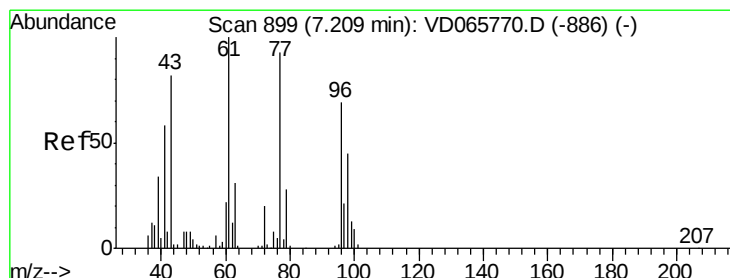
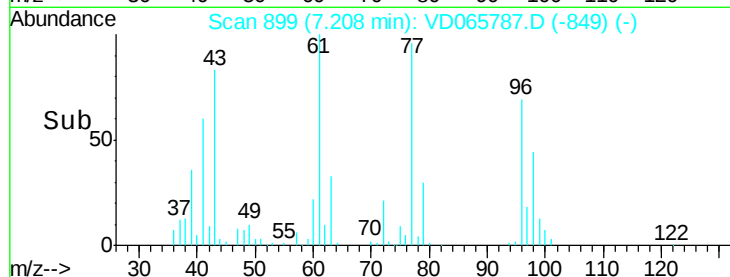
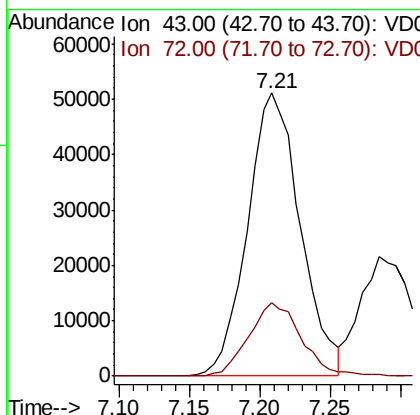
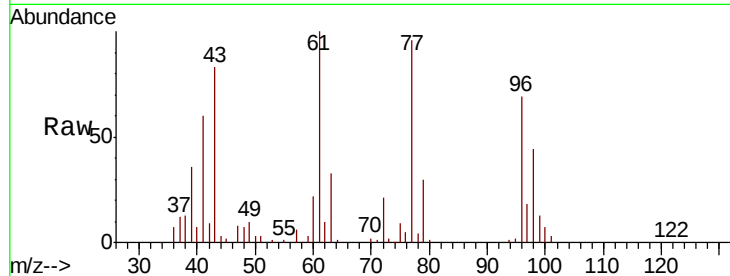




#25
2-Butanone
Concen: 242.085 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

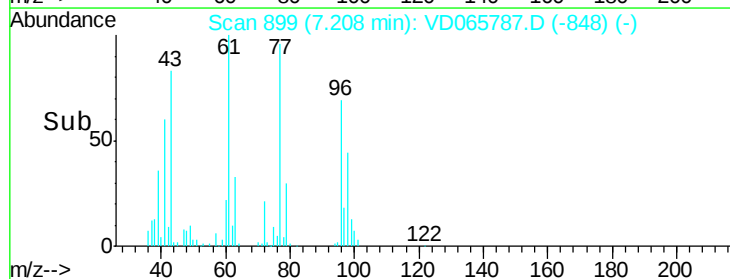
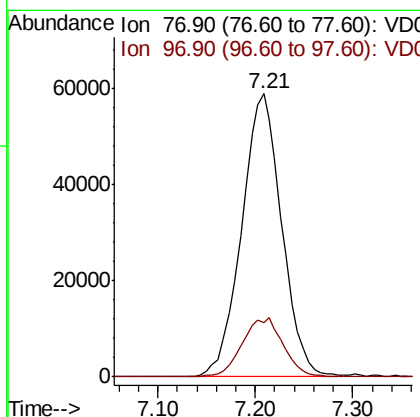
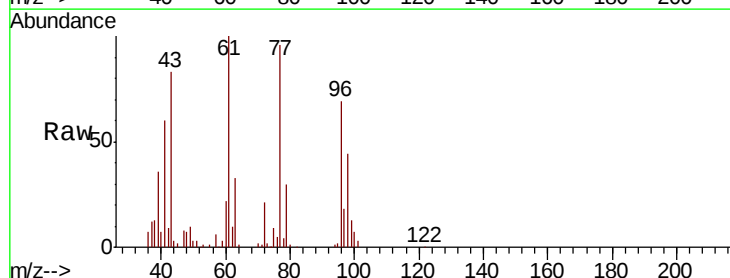
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

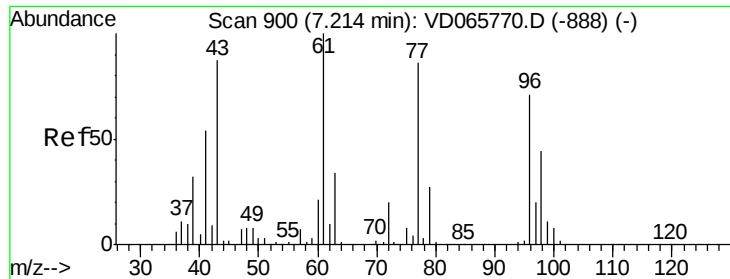
Tot Ion: 43 Resp: 133807
Ion Ratio Lower Upper
43 100
72 25.8 18.5 27.7



#26
2,2-Dichloropropane
Concen: 47.962 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion: 77 Resp: 168790
Ion Ratio Lower Upper
77 100
97 21.3 10.9 32.7



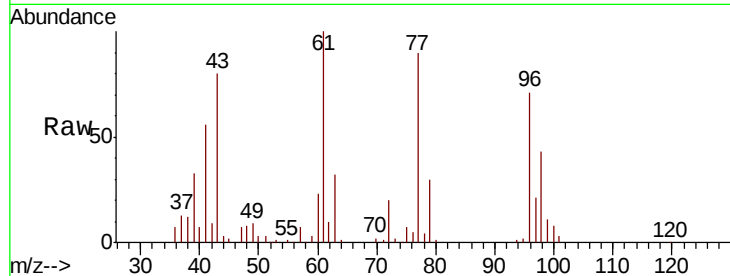


#27

cis-1,2-Dichloroethene
Concen: 45.817 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	112586
Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	291.2
98	64.7	0.0	128.8



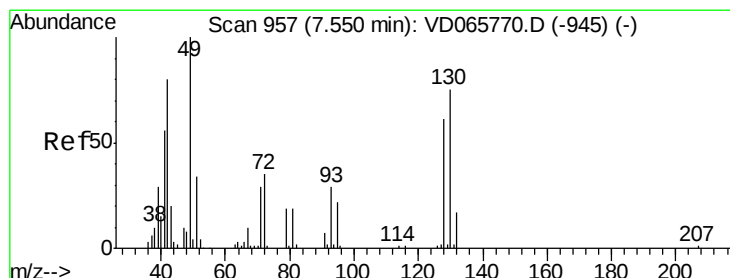
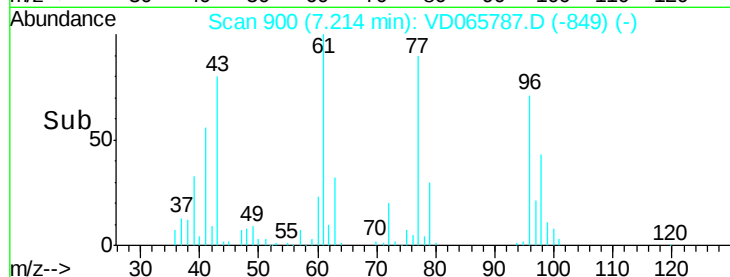
Abundance

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

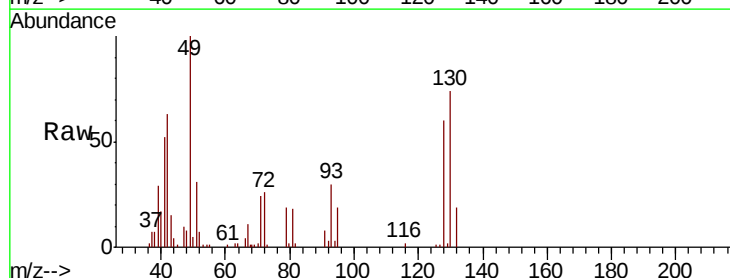
Time-->



#28

Bromochloromethane
Concen: 50.197 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion	49	Resp	76949
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	73.4	59.5	89.3



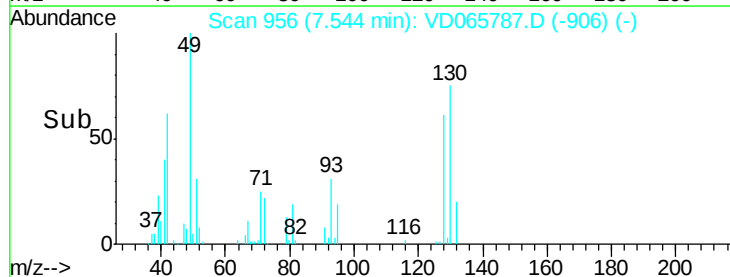
Abundance

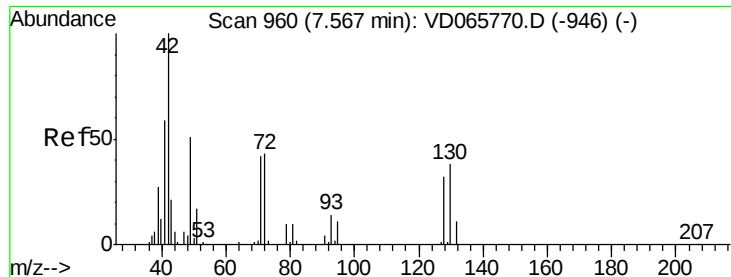
Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

Time-->





#29

Tetrahydrofuran

Concen: 219.700 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

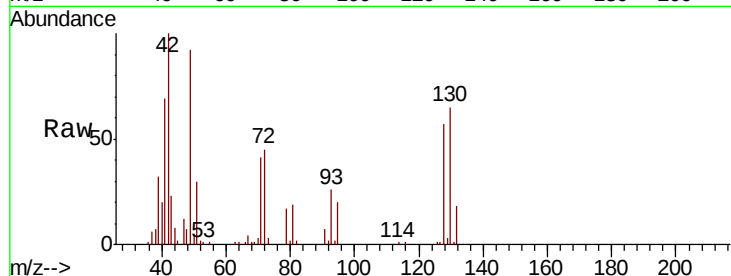
Tot Ion: 42 Resp: 76749

Ion Ratio Lower Upper

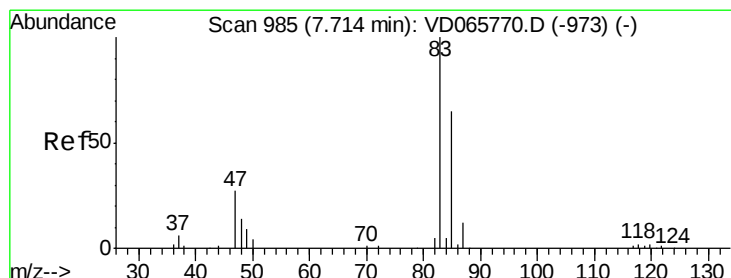
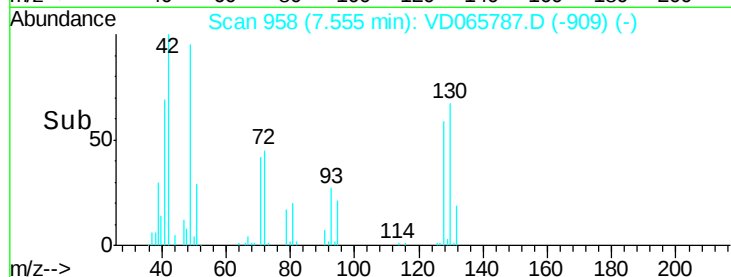
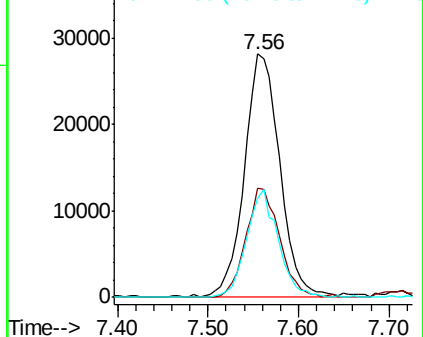
42 100

72 42.3 34.9 52.3

71 39.1 31.2 46.8



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: 46.421 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065787.D

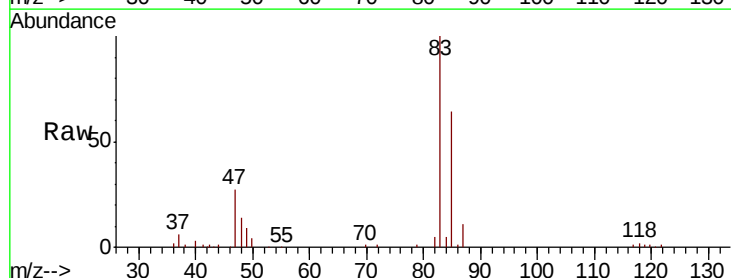
Acq: 12 Jun 2020 10:03

Tgt Ion: 83 Resp: 190974

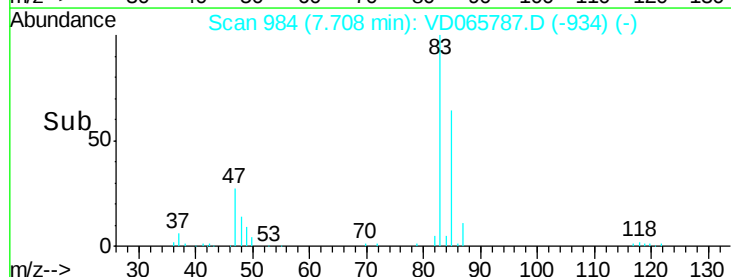
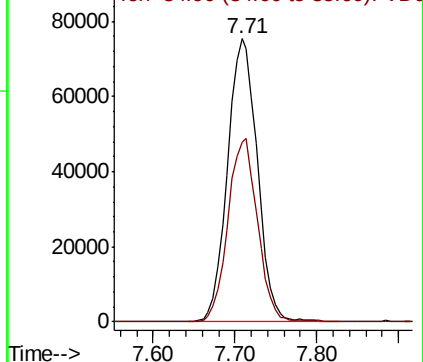
Ion Ratio Lower Upper

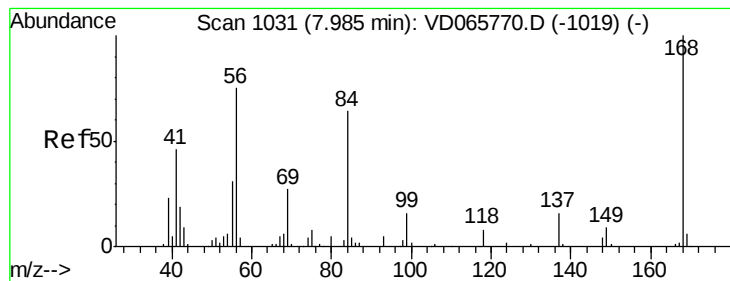
83 100

85 63.6 51.9 77.9



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





#31

Cyclohexane

Concen: 43.171 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

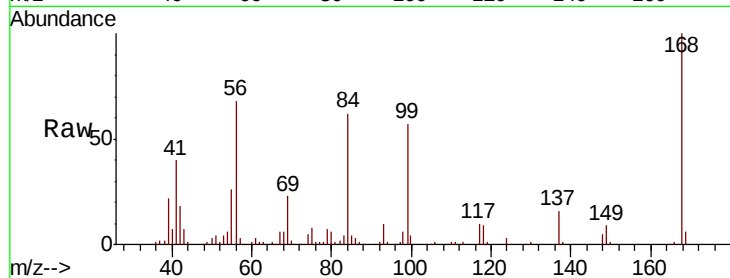
Tot Ion: 56 Resp: 164263

Ion Ratio Lower Upper

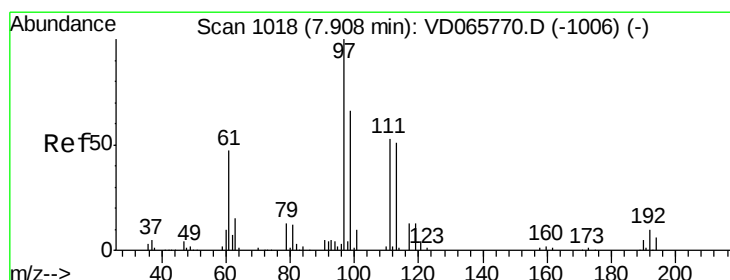
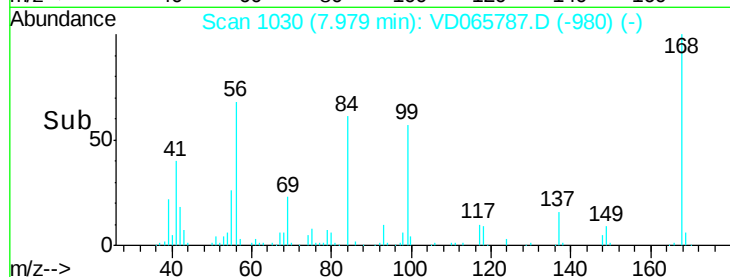
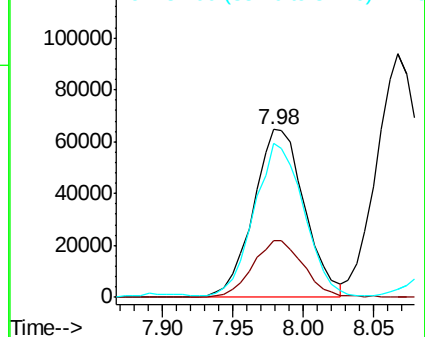
56 100

69 34.0 28.5 42.7

84 90.6 68.4 102.6



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: 46.483 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

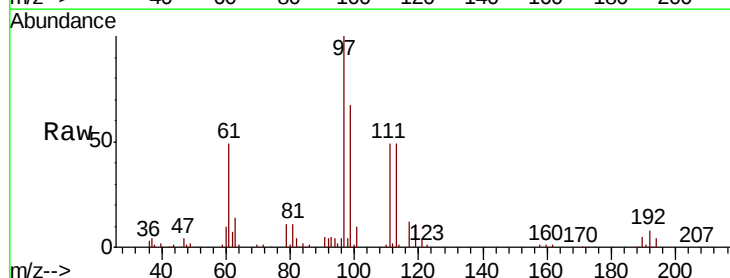
Tgt Ion: 97 Resp: 175838

Ion Ratio Lower Upper

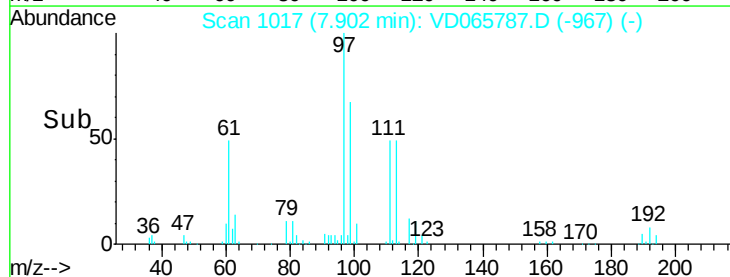
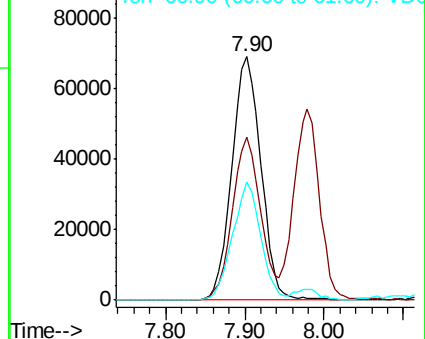
97 100

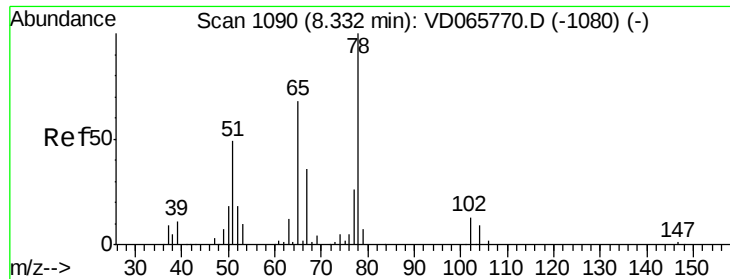
99 65.5 49.2 73.8

61 46.9 36.0 54.0



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: 50.224 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

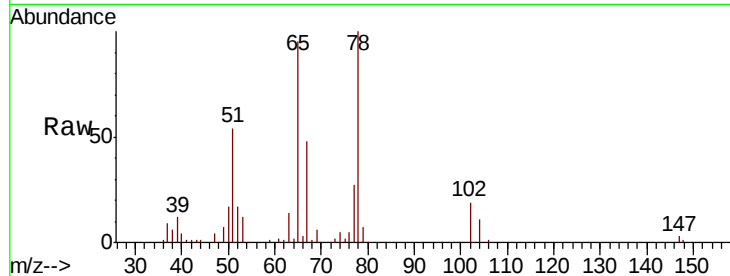
VSTDCCC050

Tot Ion: 65 Resp: 106561

Ion Ratio Lower Upper

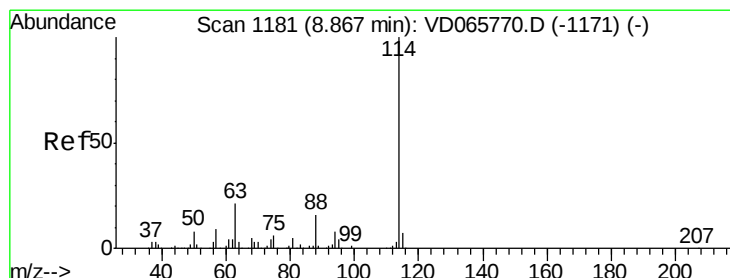
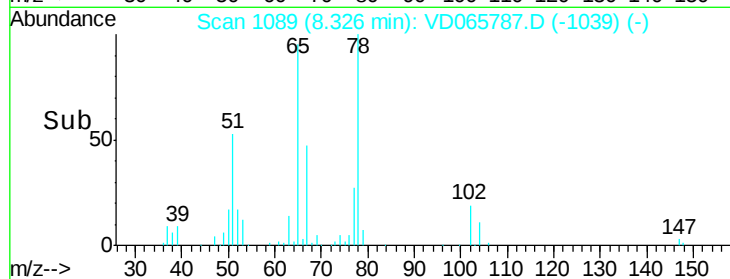
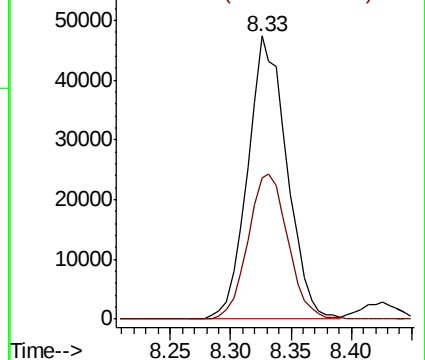
65 100

67 52.2 0.0 103.6



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. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

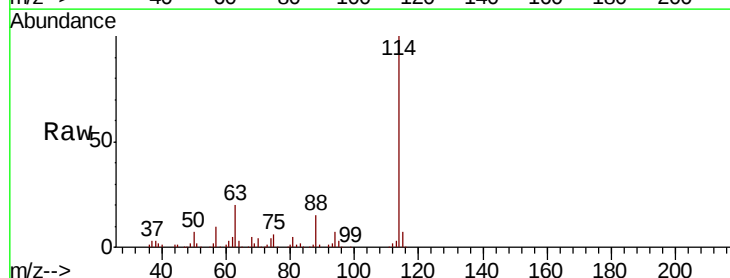
Tgt Ion: 114 Resp: 328584

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.8

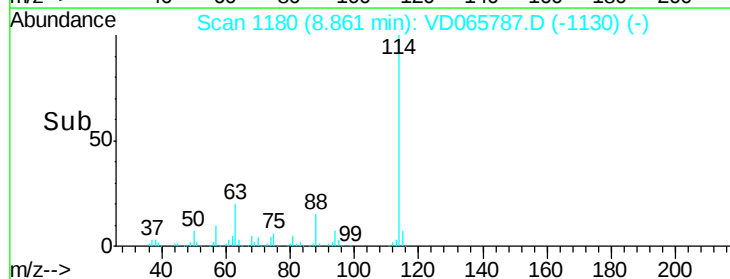
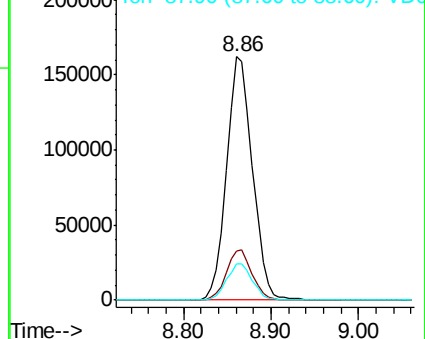
88 14.7 0.0 32.0

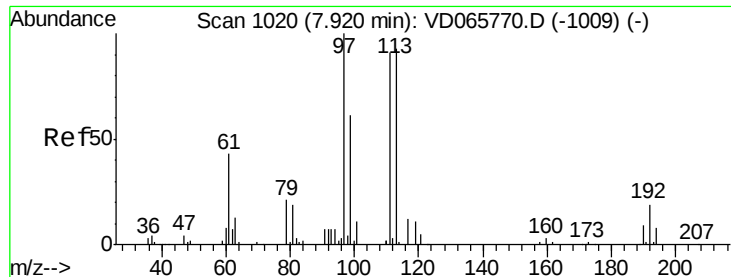


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

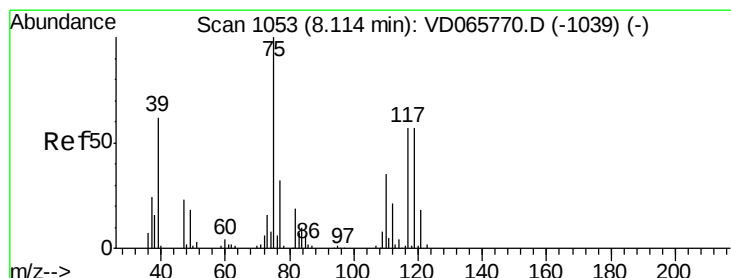
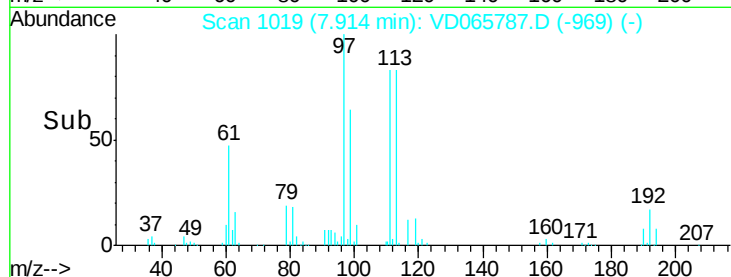
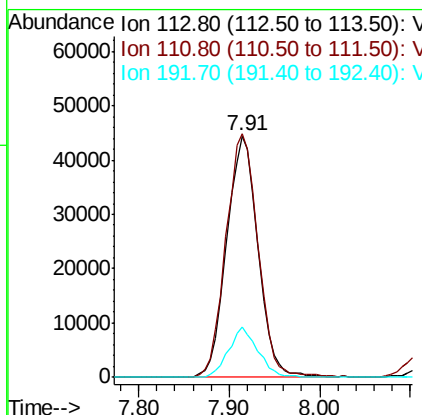
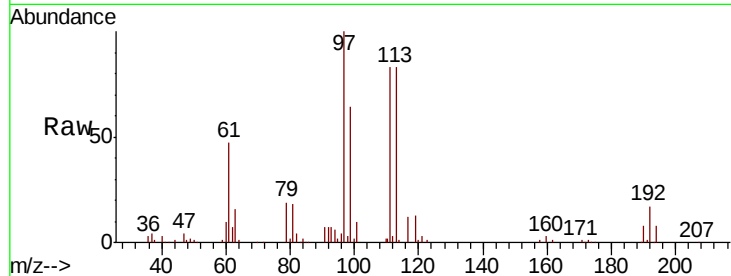




#35
 Dibromofluoromethane
 Concen: 51.468 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

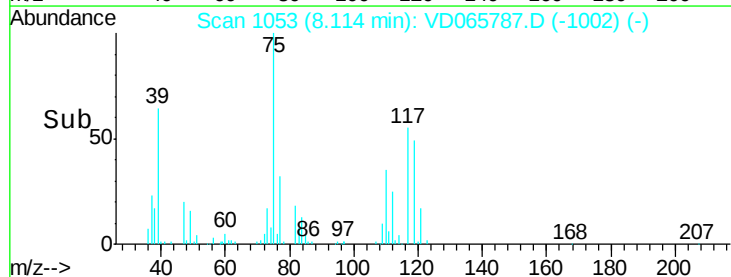
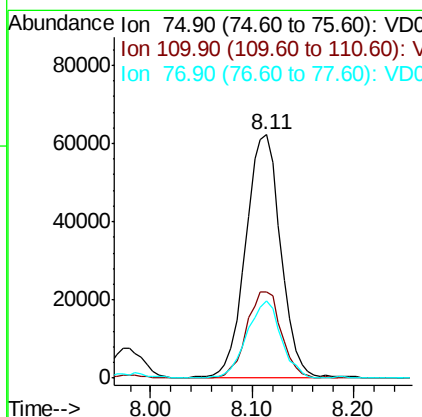
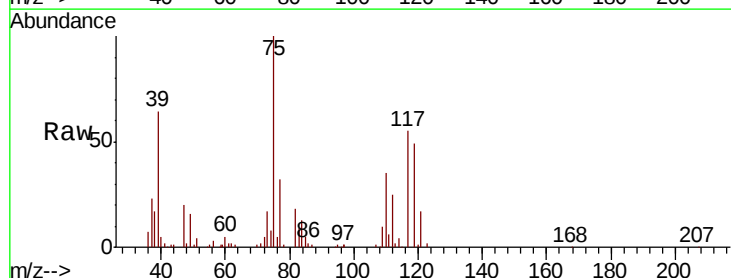
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

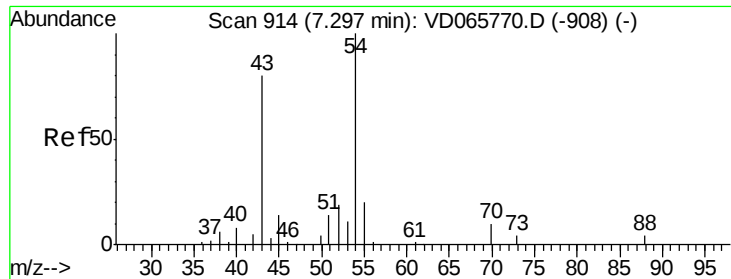
Tot Ion:113 Resp: 106823
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.0
 192 19.5 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 47.839 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Tgt Ion: 75 Resp: 150579
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.6 52.8
 77 31.1 25.1 37.7

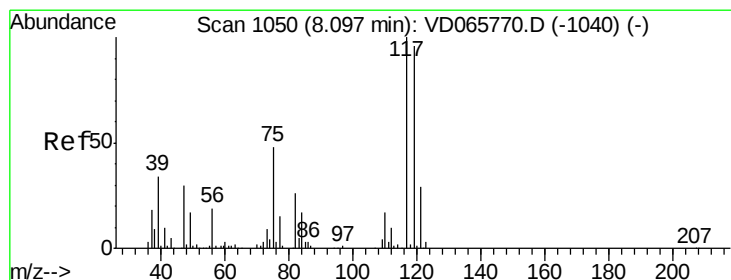
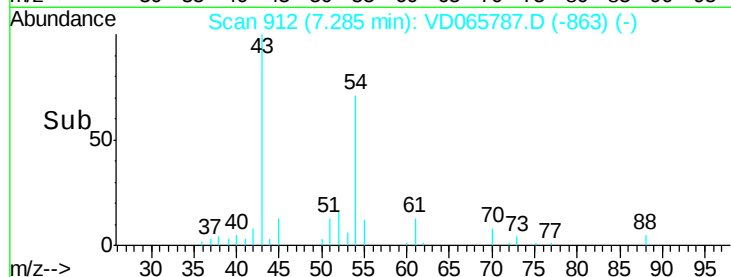
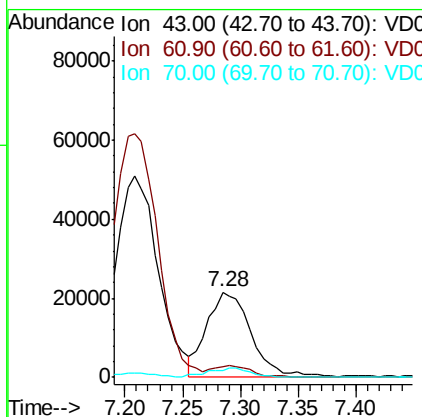
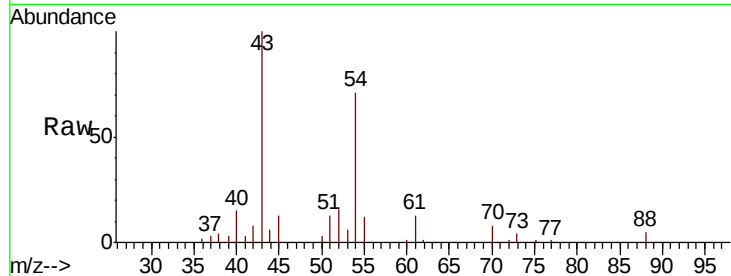




#37
Ethyl Acetate
Concen: 45.524 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

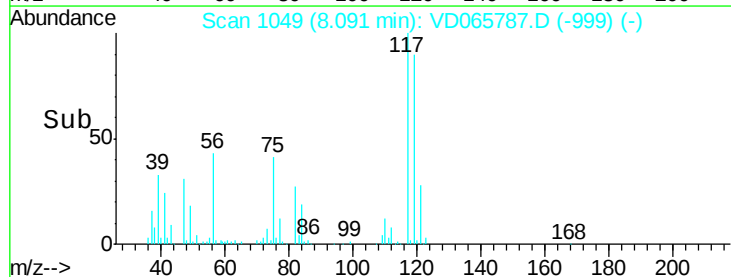
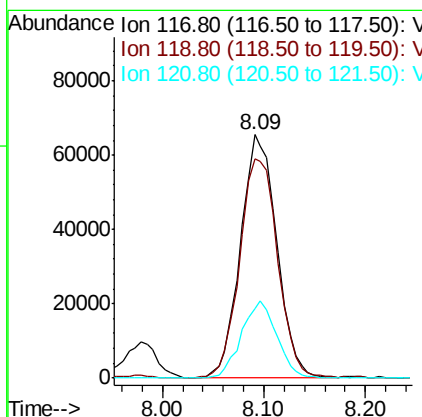
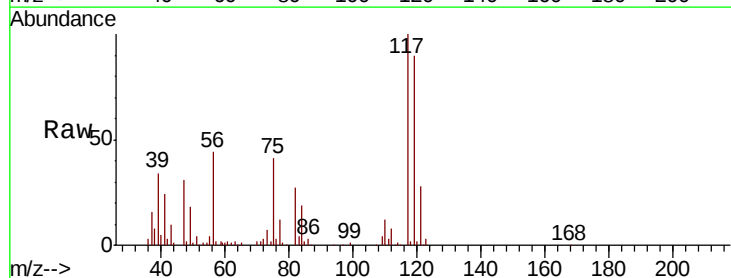
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

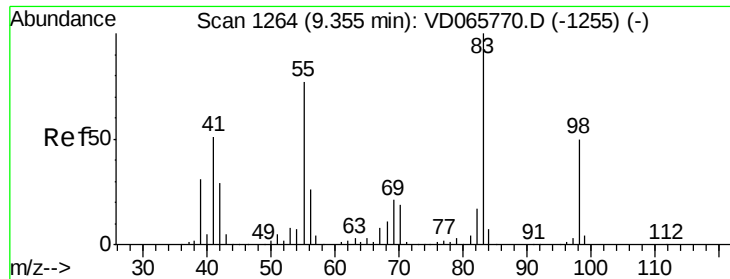
Tot Ion: 43 Resp: 56441
Ion Ratio Lower Upper
43 100
61 11.7 10.6 15.8
70 10.5 7.5 11.3



#38
Carbon Tetrachloride
Concen: 49.122 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion: 117 Resp: 162720
Ion Ratio Lower Upper
117 100
119 90.2 76.8 115.2
121 28.4 23.4 35.2

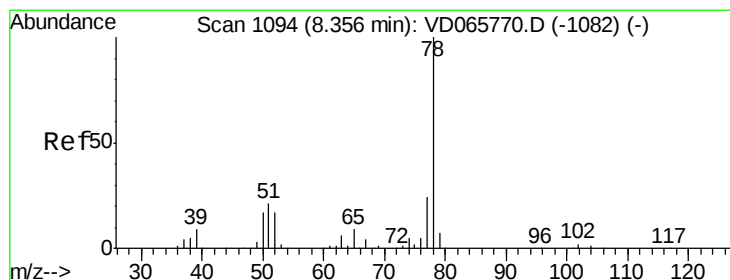
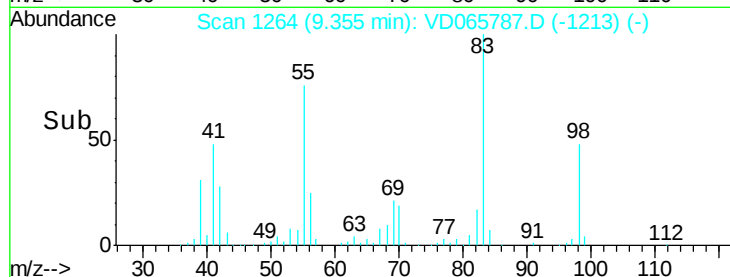
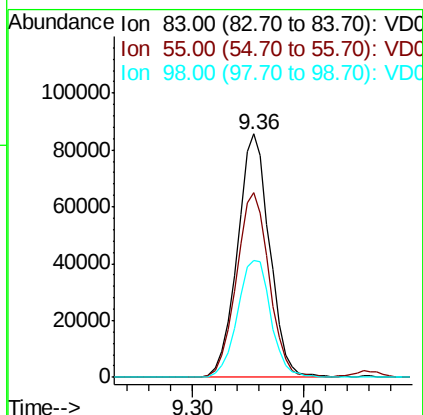
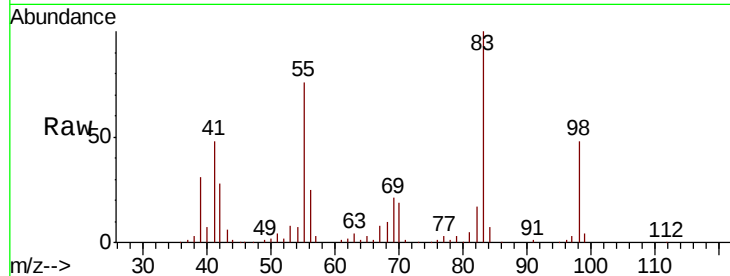




#39
Methvlcvclohexane
Concen: 46.951 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

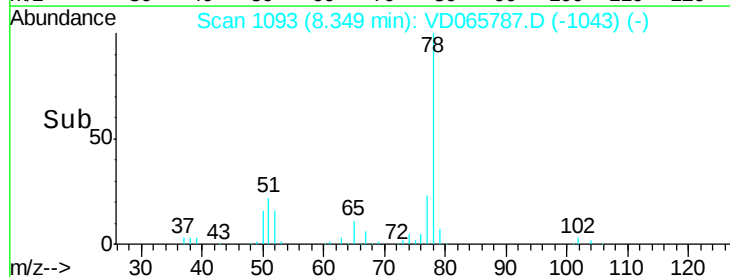
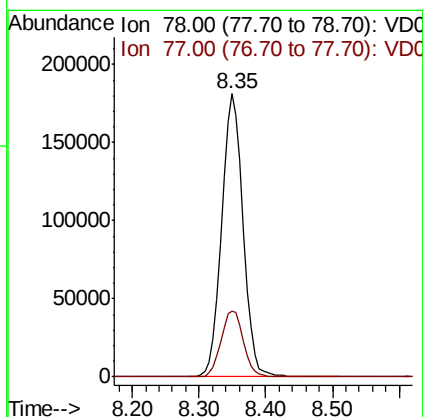
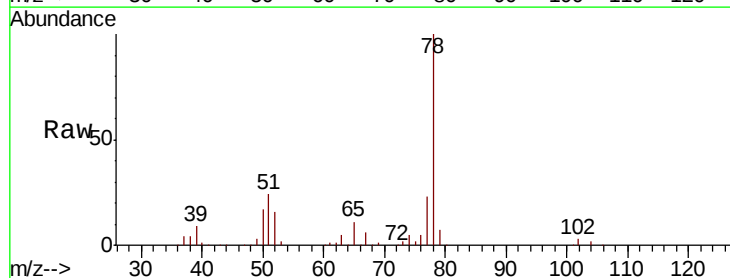
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

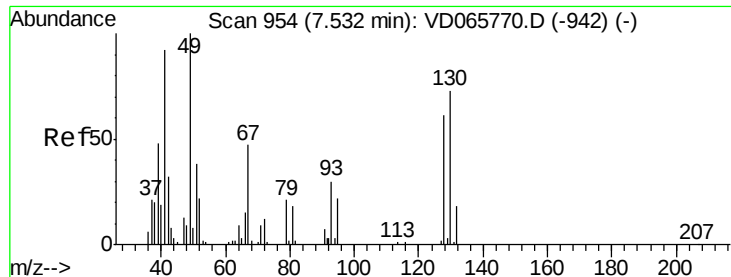
Tot Ion: 83 Resp: 174971
Ion Ratio Lower Upper
83 100
55 75.9 61.6 92.4
98 48.0 40.2 60.2



#40
Benzene
Concen: 47.891 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion: 78 Resp: 412098
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8





#41

Methacrylonitrile

Concen: 40.887 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 30184

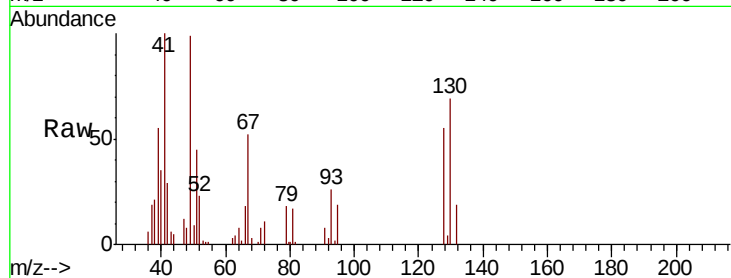
Ion Ratio Lower Upper

41 100

39 67.5 38.3 57.5#

67 77.0 49.8 74.6#

52 36.0 21.7 32.5#

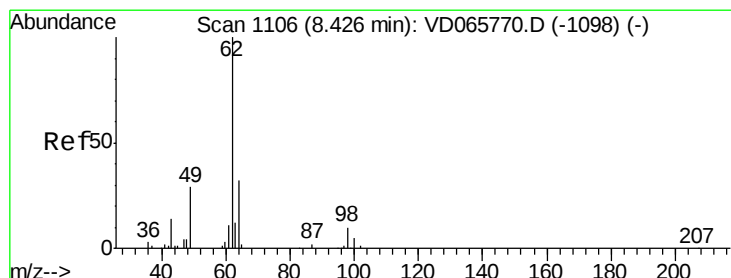
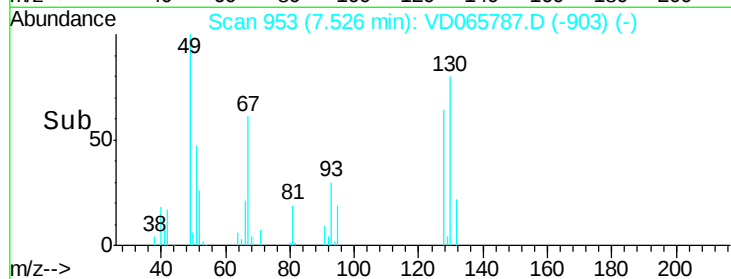
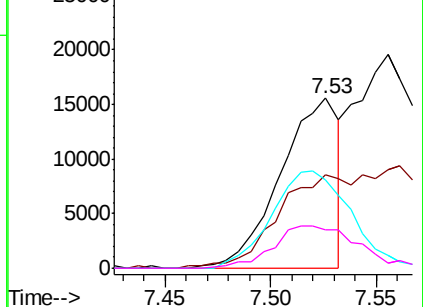


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 46.725 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD065787.D

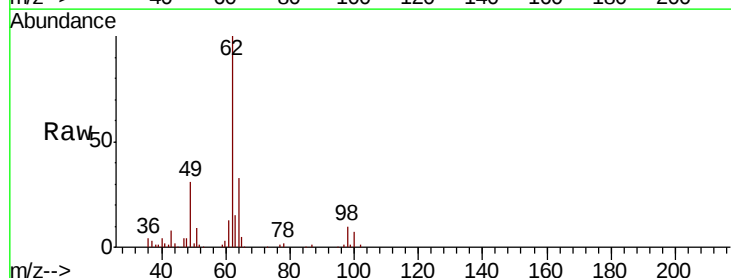
Acq: 12 Jun 2020 10:03

Tgt Ion: 62 Resp: 121314

Ion Ratio Lower Upper

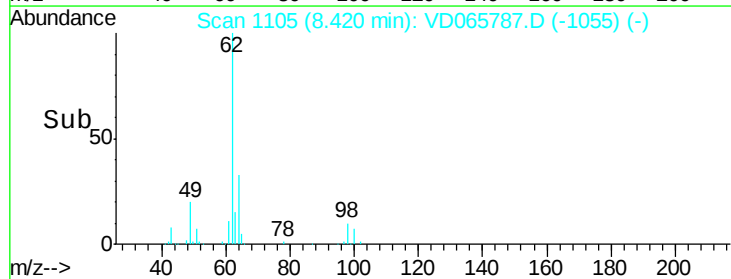
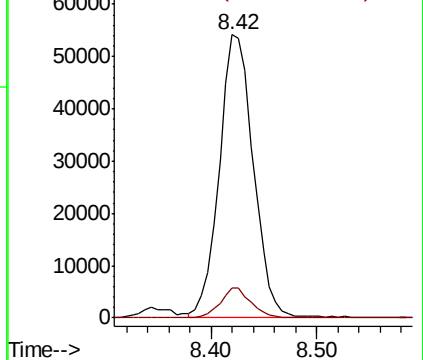
62 100

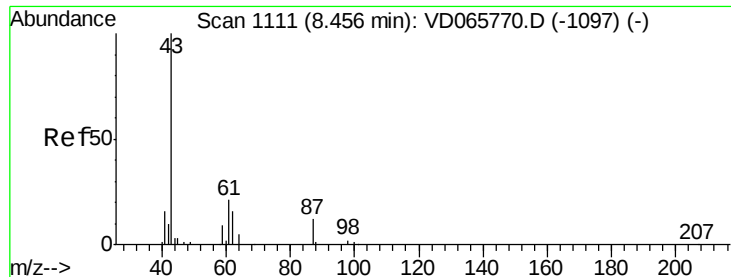
98 9.5 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 45.304 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

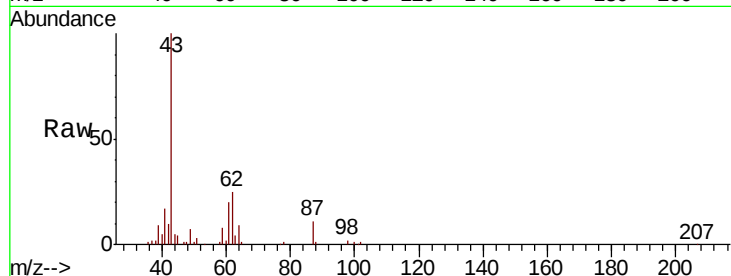
Tot Ion: 43 Resp: 111691

Ion Ratio Lower Upper

43 100

61 30.3 24.2 36.4

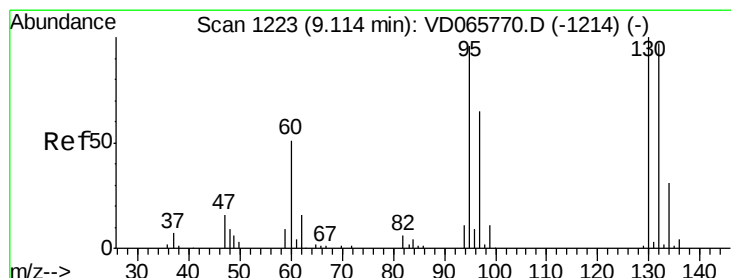
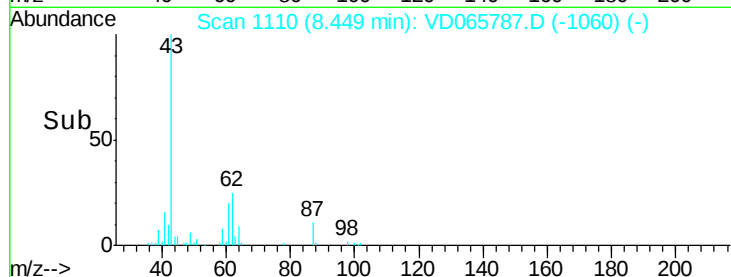
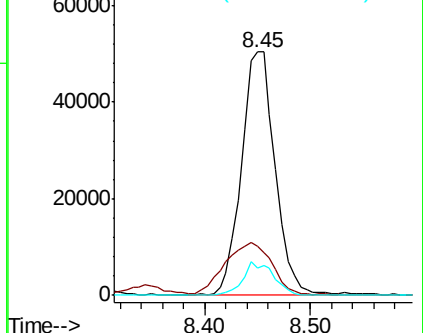
87 12.5 9.5 14.3



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: 47.991 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065787.D

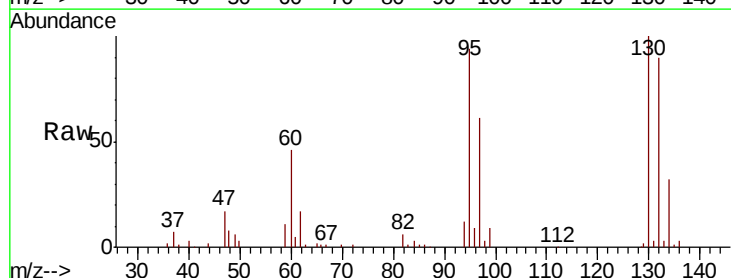
Acq: 12 Jun 2020 10:03

Tgt Ion: 130 Resp: 114923

Ion Ratio Lower Upper

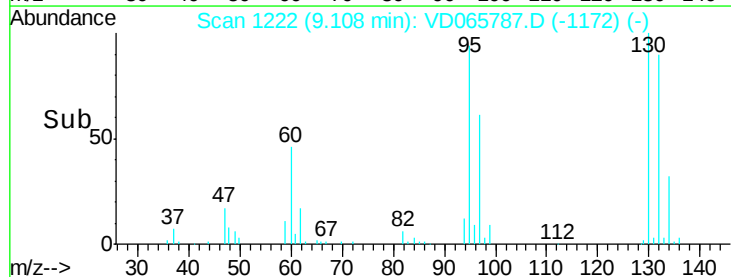
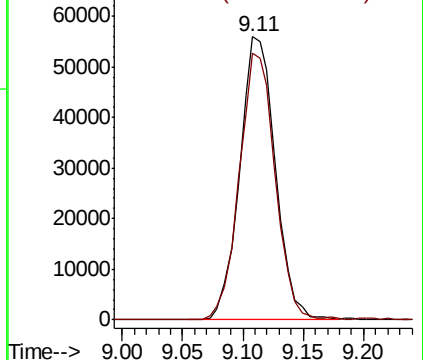
130 100

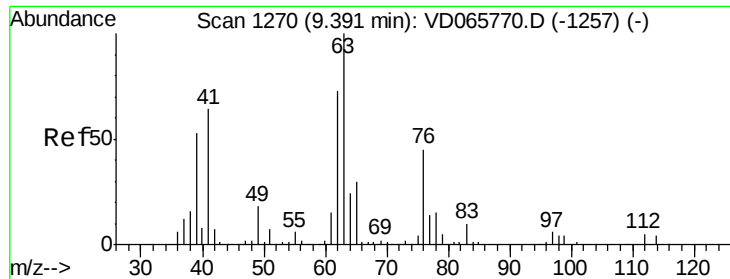
95 94.2 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.428 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

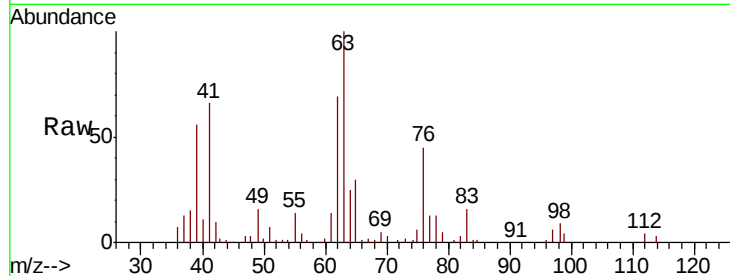
VSTDCCC050

Tot Ion: 63 Resp: 102546

Ion Ratio Lower Upper

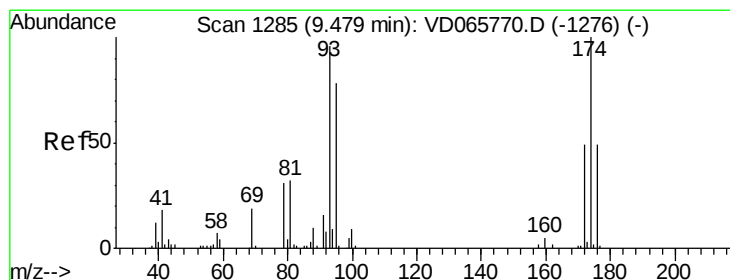
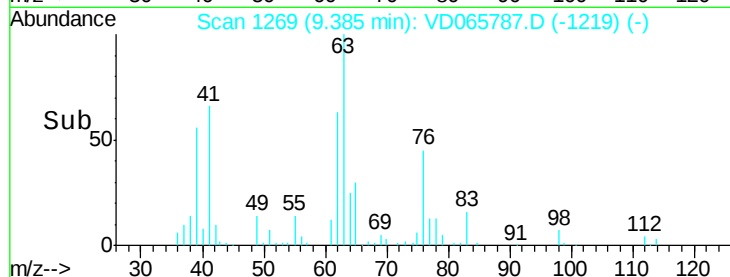
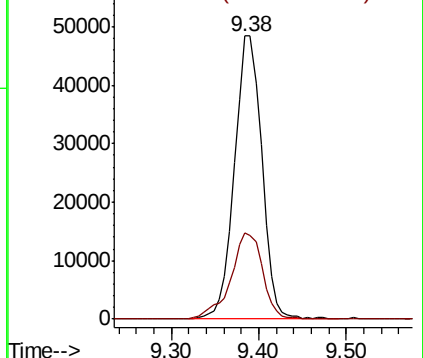
63 100

65 30.3 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.169 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

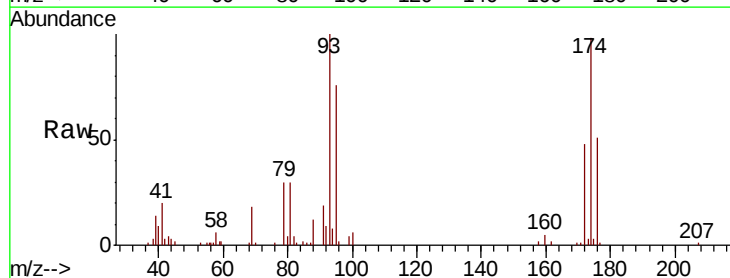
Tgt Ion: 93 Resp: 55312

Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.6

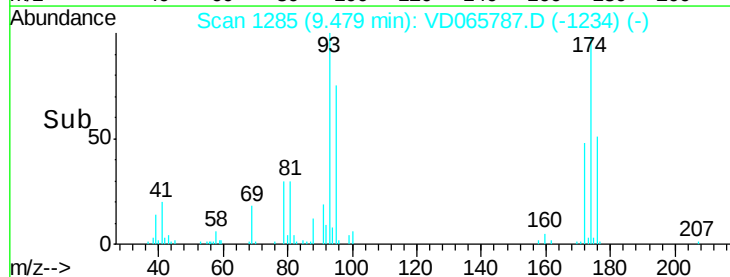
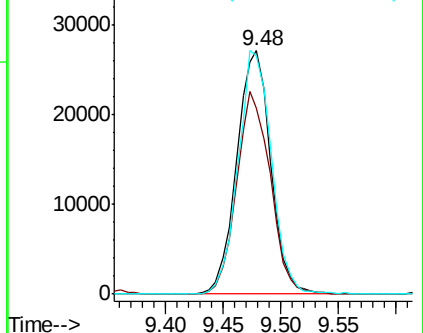
174 98.6 80.9 121.3

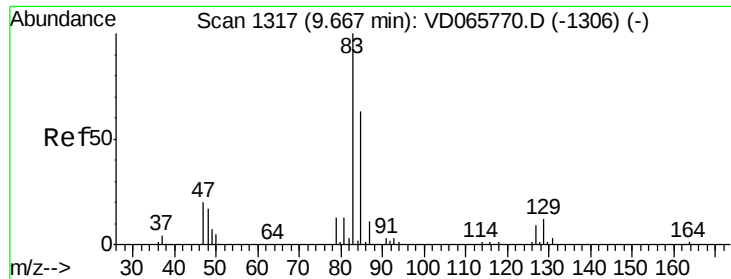


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.154 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

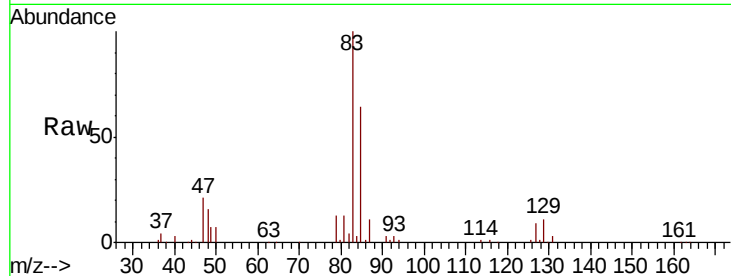
Tot Ion: 83 Resp: 148171

Ion Ratio Lower Upper

83 100

85 64.3 50.7 76.1

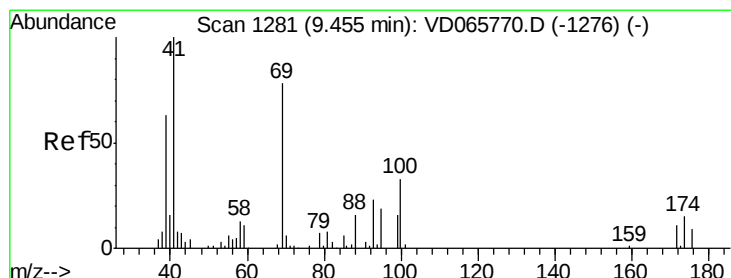
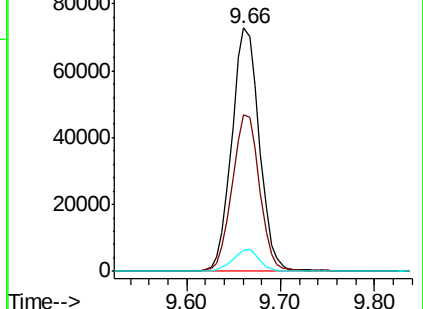
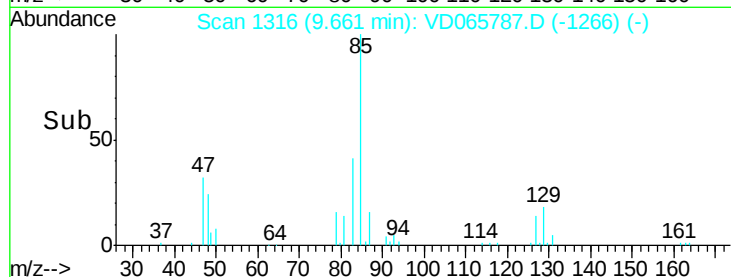
127 8.8 7.1 10.7



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: 47.525 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

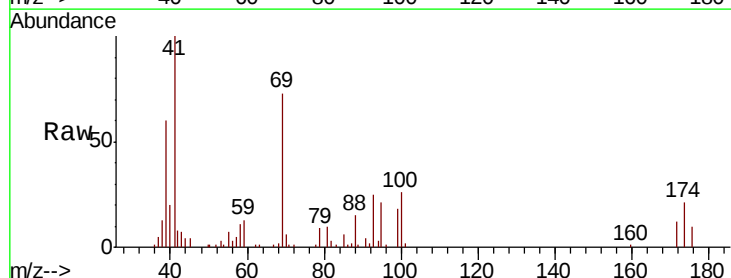
Tgt Ion: 41 Resp: 56714

Ion Ratio Lower Upper

41 100

69 77.3 60.9 91.3

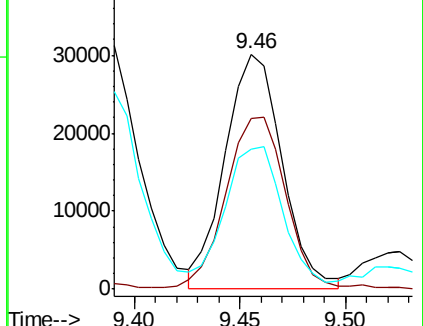
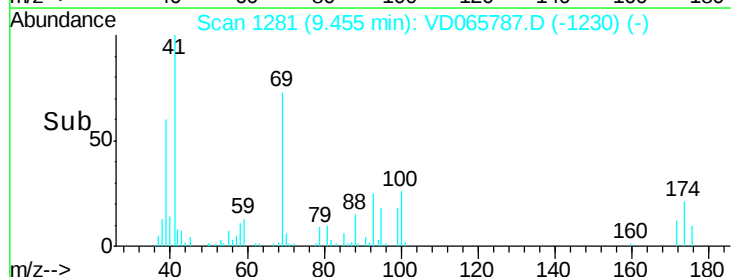
39 56.4 48.1 72.1

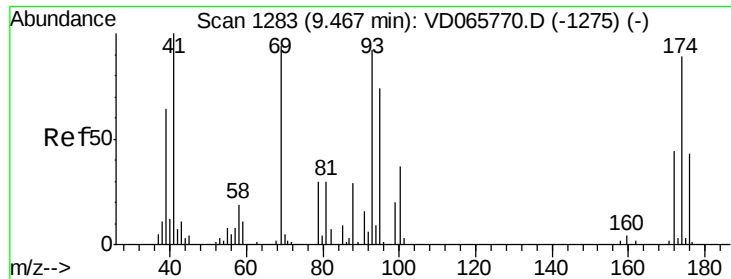


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 870.104 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

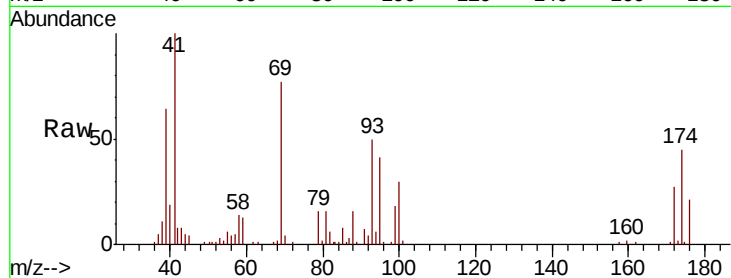
Tot Ion: 88 Resp: 10860

Ion Ratio Lower Upper

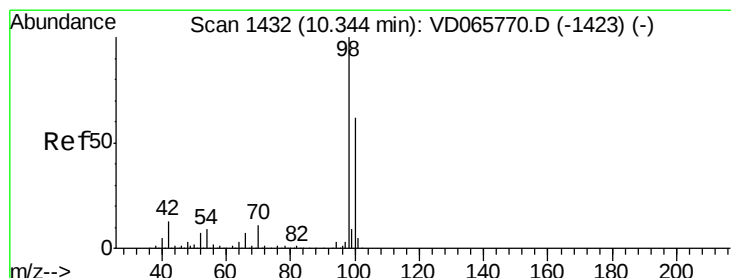
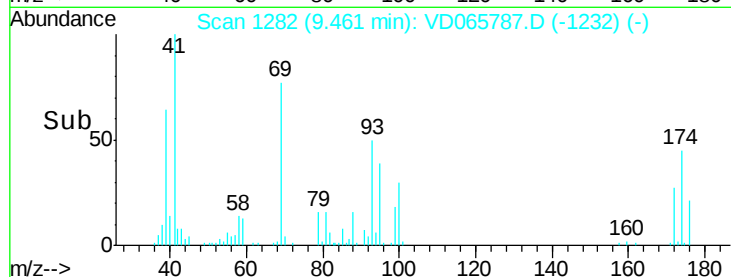
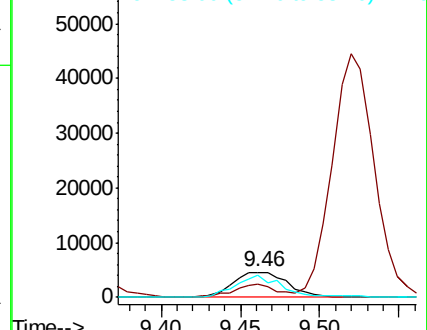
88 100

43 37.9 32.2 48.4

58 74.7 54.9 82.3



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: 53.606 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065787.D

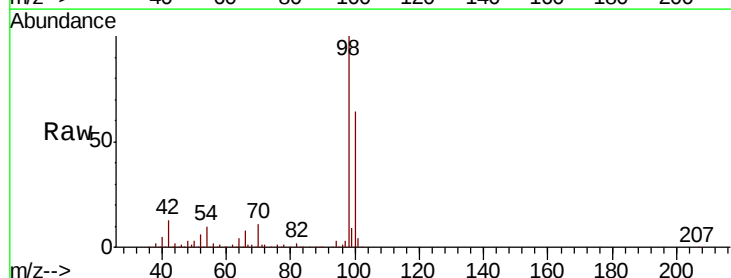
Acq: 12 Jun 2020 10:03

Tgt Ion: 98 Resp: 414876

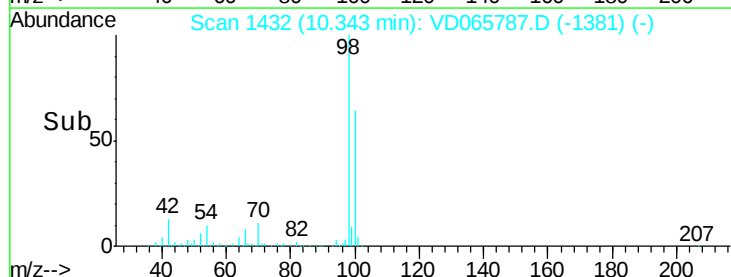
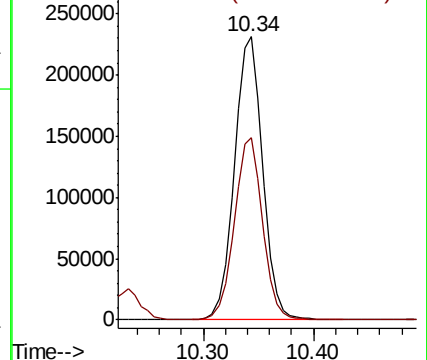
Ion Ratio Lower Upper

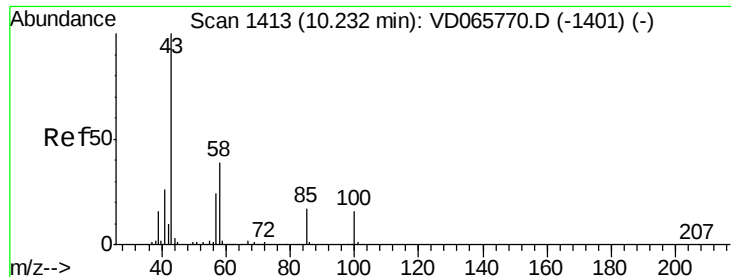
98 100

100 64.3 51.4 77.2



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: 232.665 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

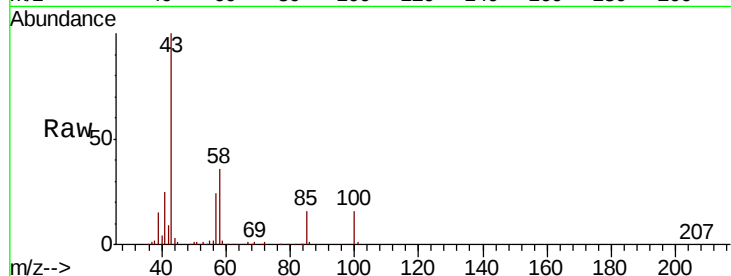
VSTDCCC050

Tot Ion: 43 Resp: 281072

Ion Ratio Lower Upper

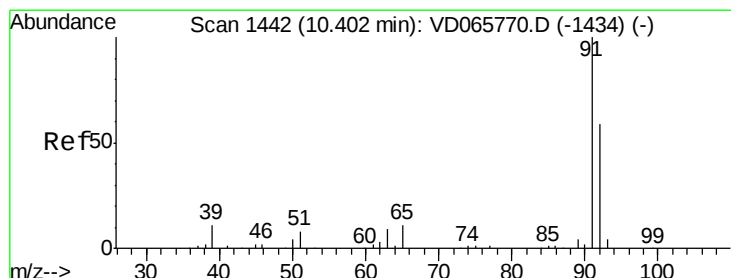
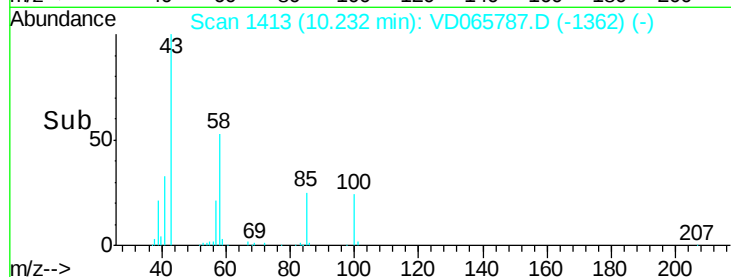
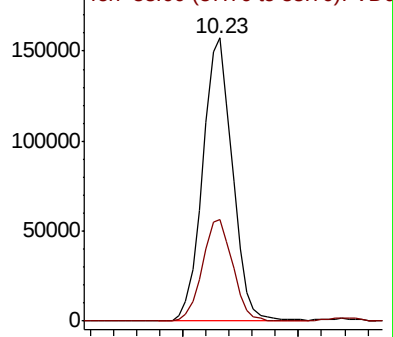
43 100

58 36.5 30.7 46.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.234 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065787.D

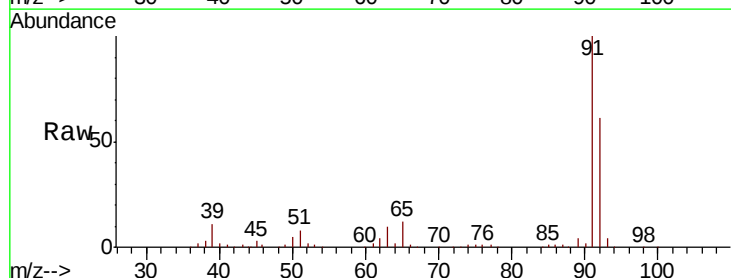
Acq: 12 Jun 2020 10:03

Tgt Ion: 92 Resp: 275277

Ion Ratio Lower Upper

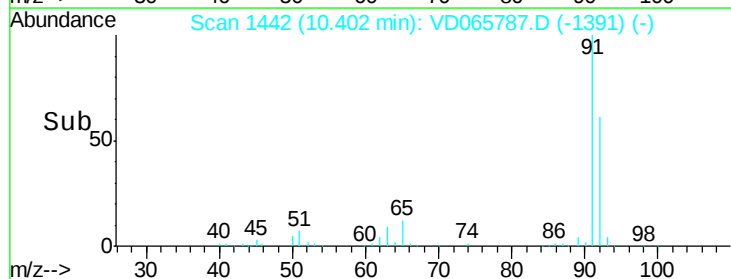
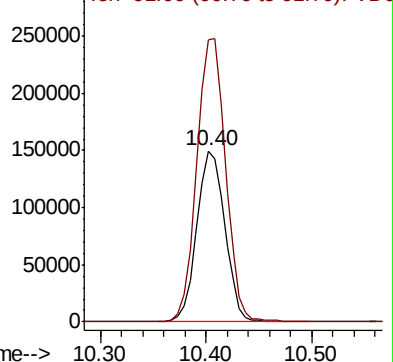
92 100

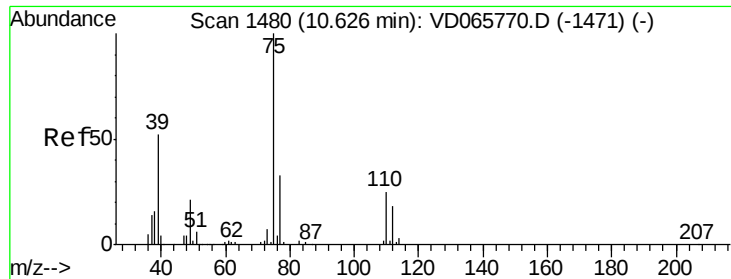
91 169.9 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 48.364 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

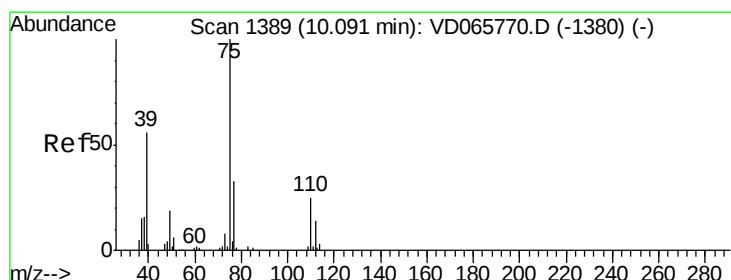
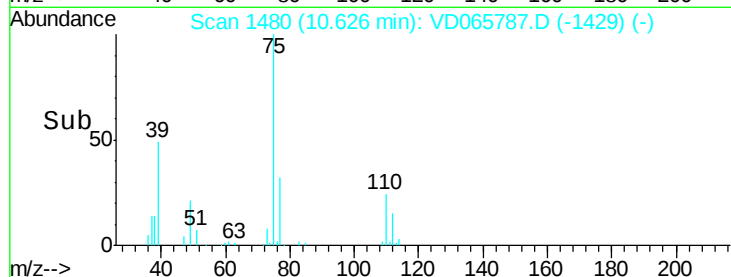
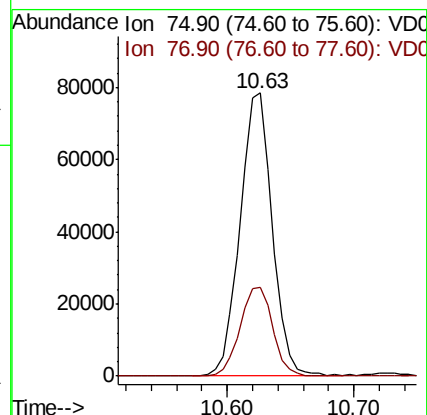
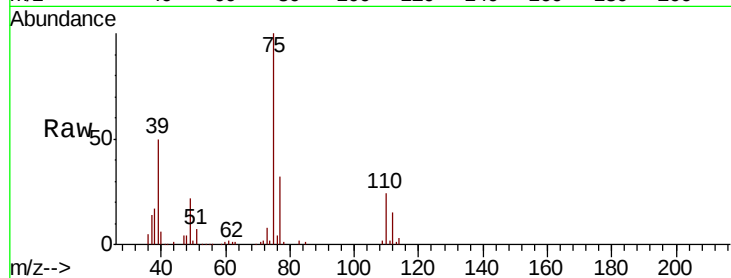
VSTDCCC050

Tot Ion: 75 Resp: 137618

Ion Ratio Lower Upper

75 100

77 31.6 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 48.825 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

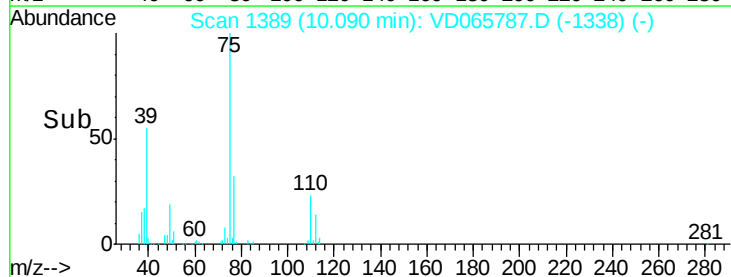
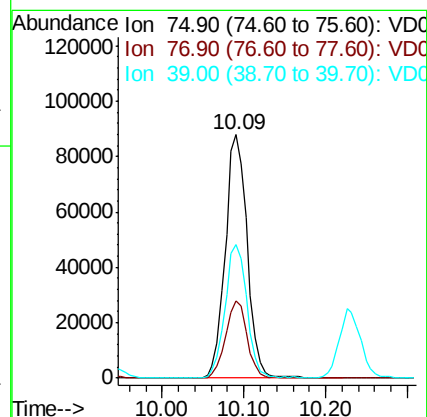
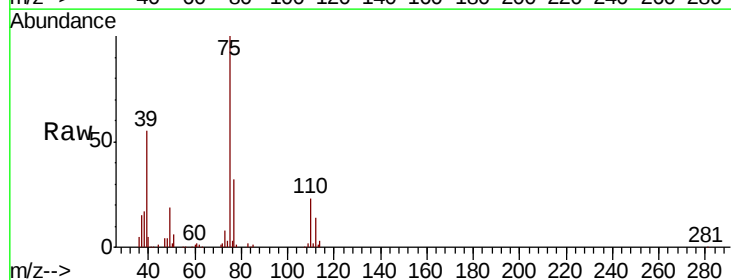
Tgt Ion: 75 Resp: 164080

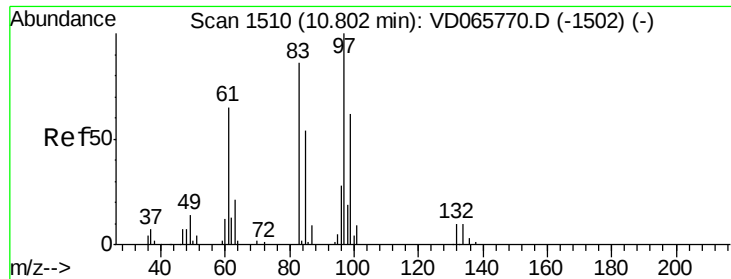
Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0

39 54.6 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 48.642 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 76214

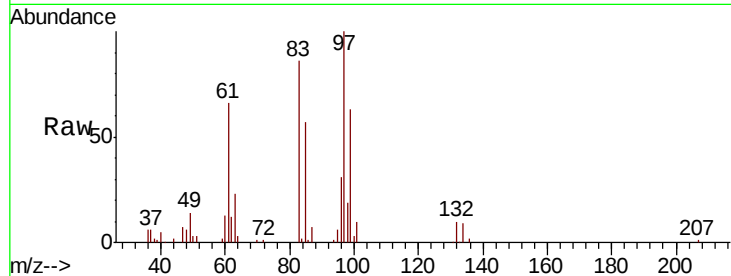
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.7	103.1
85	56.5	43.0	64.6
99	62.7	49.8	74.6

97 100

83 85.8 68.7 103.1

85 56.5 43.0 64.6

99 62.7 49.8 74.6



Abundance

Ion 96.90 (96.60 to 97.60): VDC

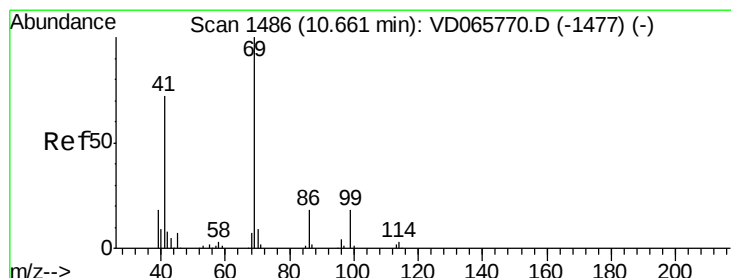
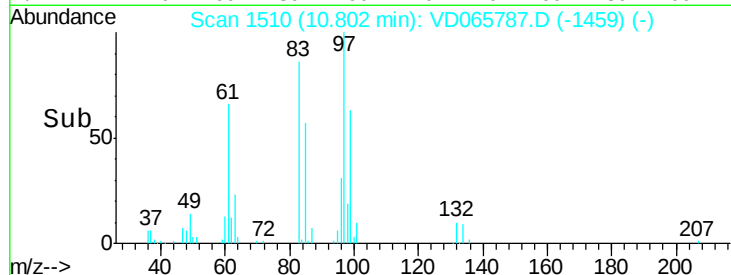
Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

10.80

Time-->



#56

Ethyl methacrylate

Concen: 48.704 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

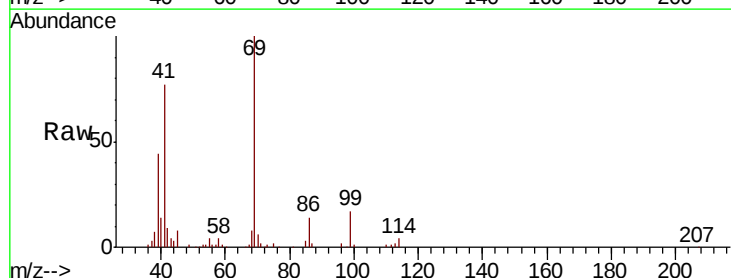
Tgt Ion: 69 Resp: 89757

Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.9	85.3
39	40.8	36.0	54.0

69 100

41 71.0 56.9 85.3

39 40.8 36.0 54.0



Abundance

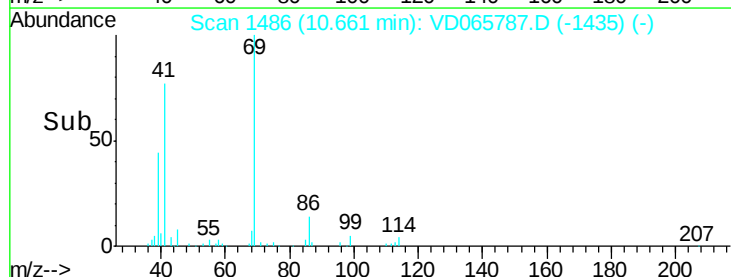
Ion 69.00 (68.70 to 69.70): VDC

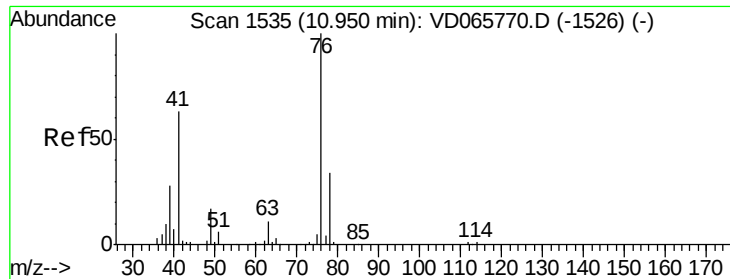
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.66

Time-->

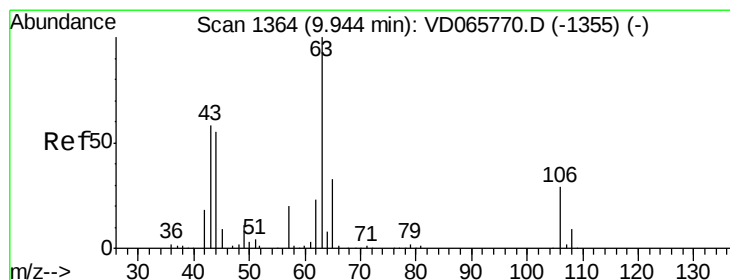
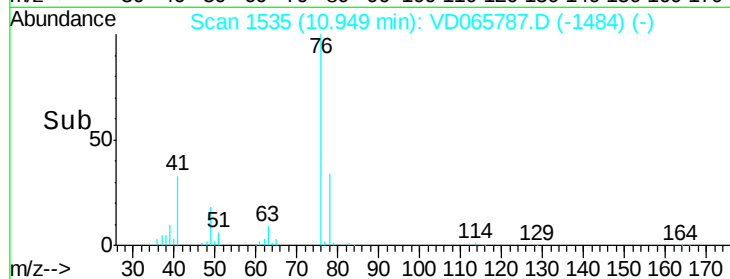
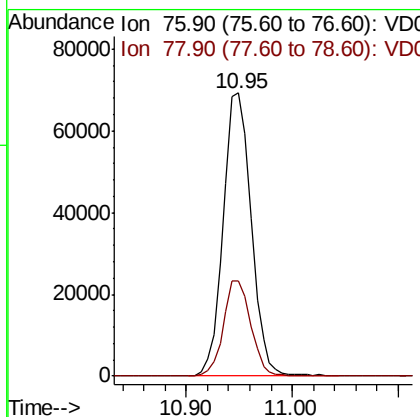
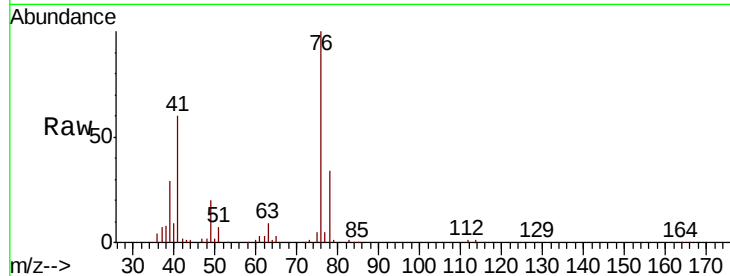




#57
 1,3-Dichloropropane
 Concen: 46.958 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

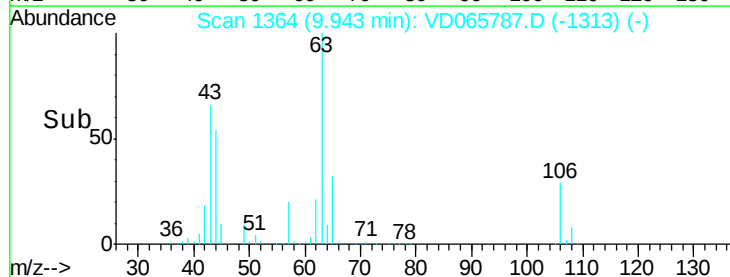
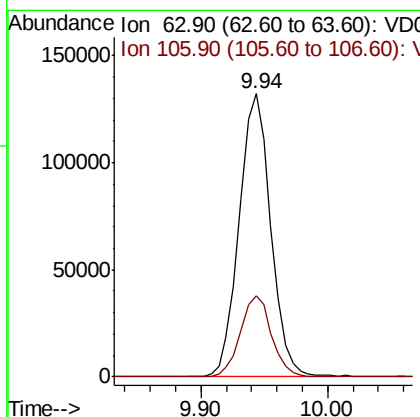
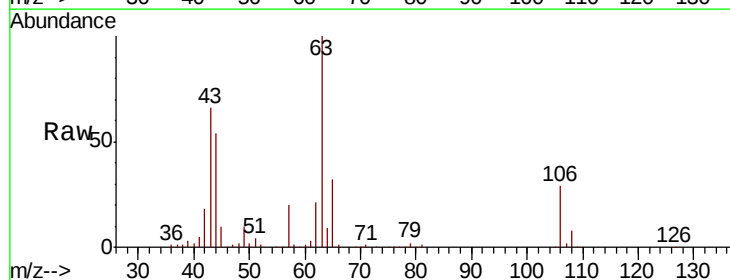
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

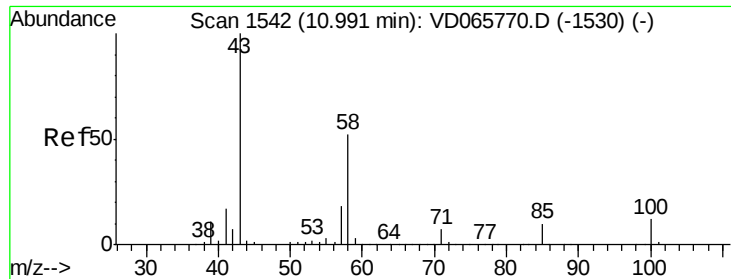
Tot Ion: 76 Resp: 127467
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.326 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Tgt Ion: 63 Resp: 229045
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.2 34.8

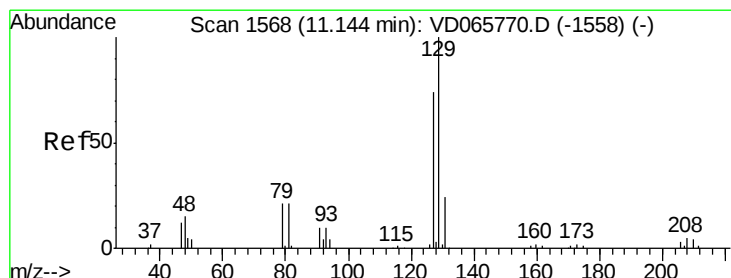
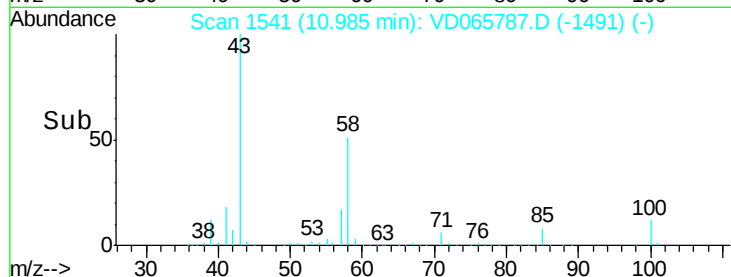
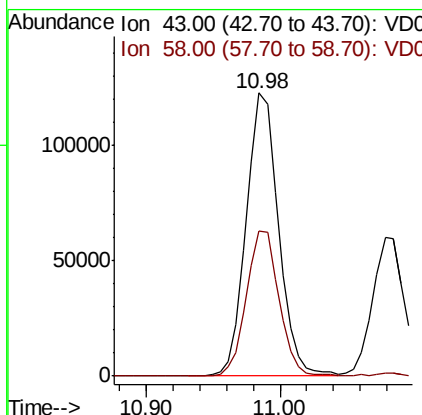
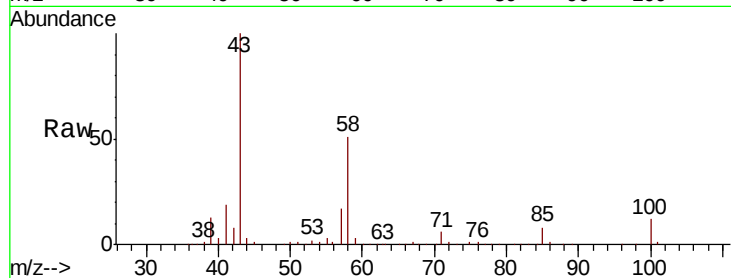




#59
2-Hexanone
Concen: 251.974 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

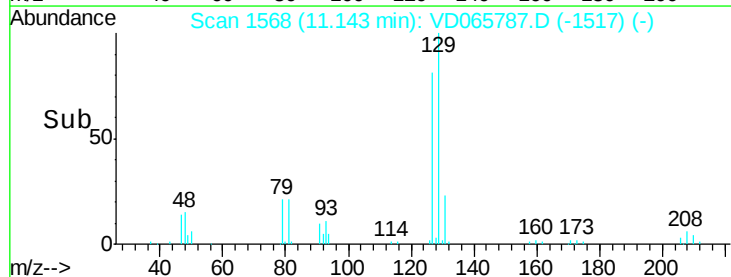
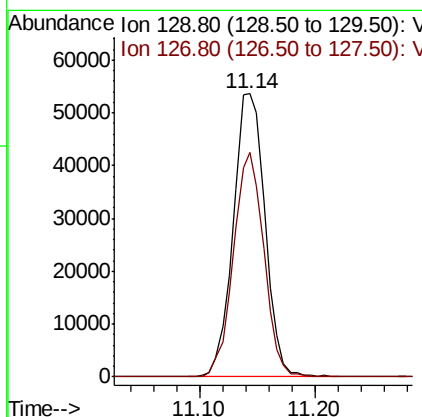
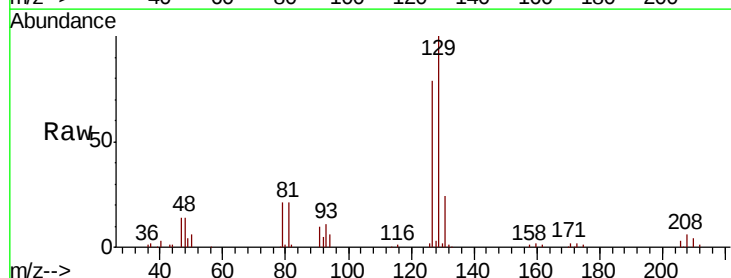
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

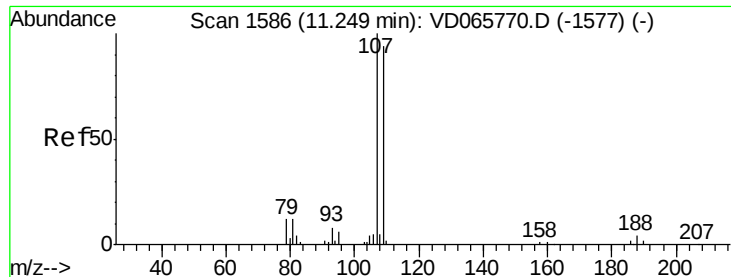
Tot Ion: 43 Resp: 205223
Ion Ratio Lower Upper
43 100
58 51.7 25.7 77.0



#60
Dibromochloromethane
Concen: 48.170 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion: 129 Resp: 101957
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9

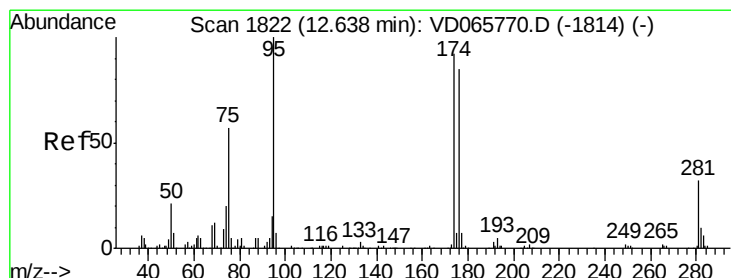
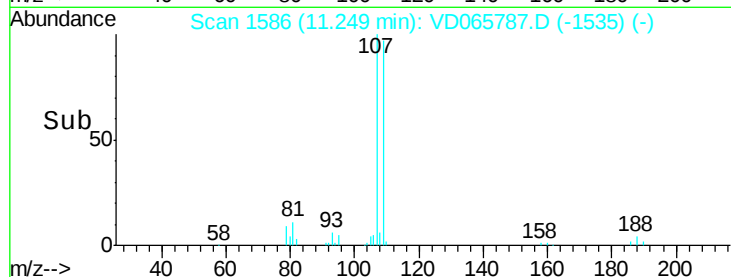
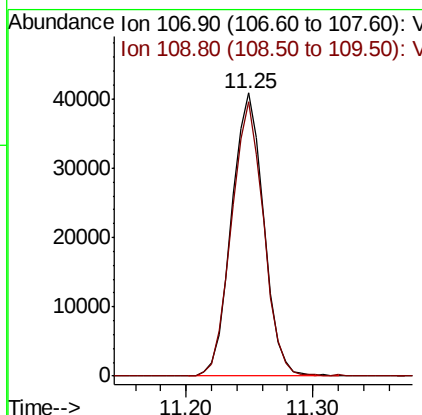
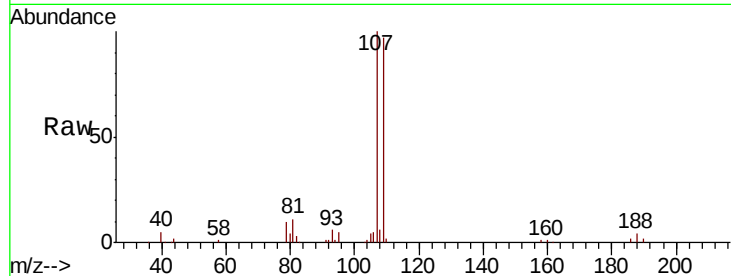




#61
 1,2-Dibromoethane
 Concen: 46.401 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

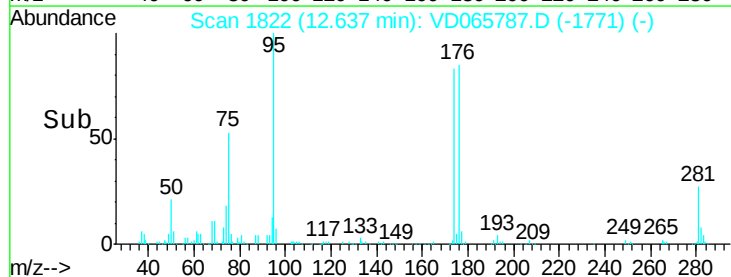
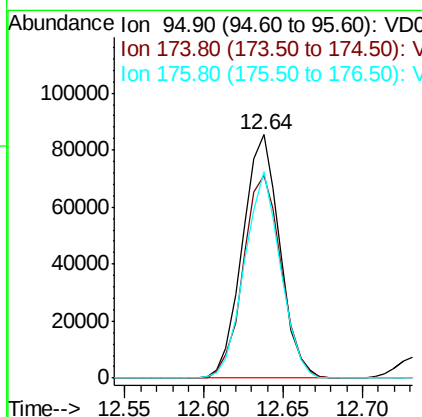
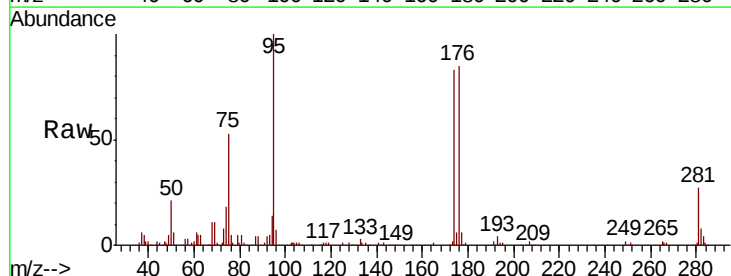
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

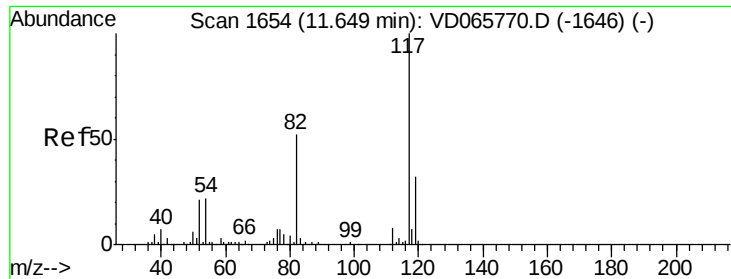
Tot Ion:107 Resp: 71449
 Ion Ratio Lower Upper
 107 100
 109 96.6 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 52.974 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Tgt Ion: 95 Resp: 139042
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 175.2
 176 82.0 0.0 163.0

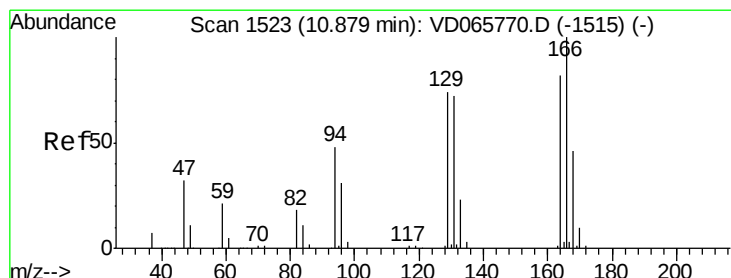
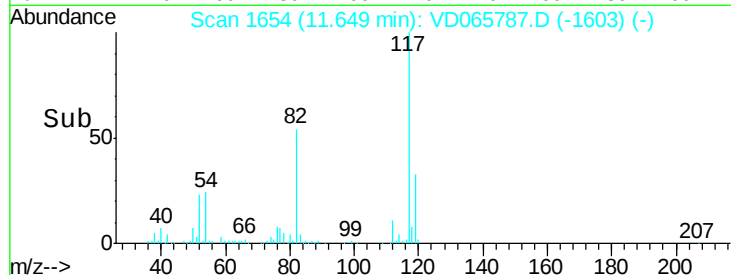
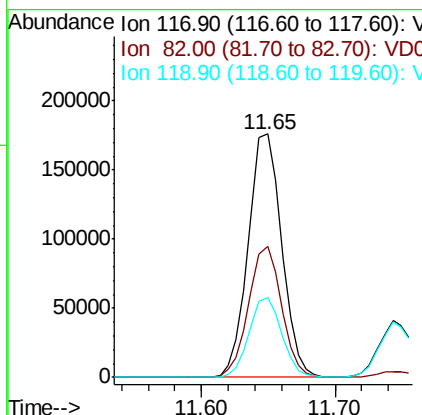
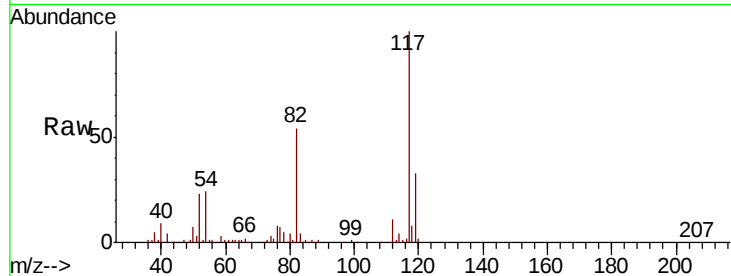




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

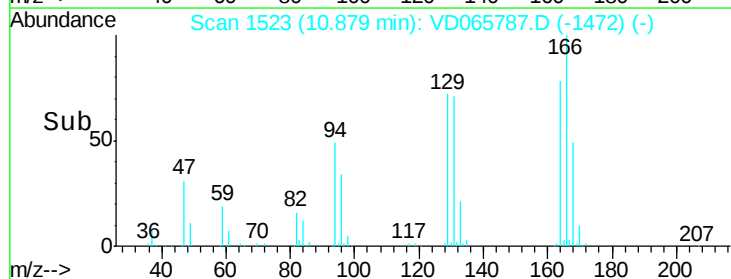
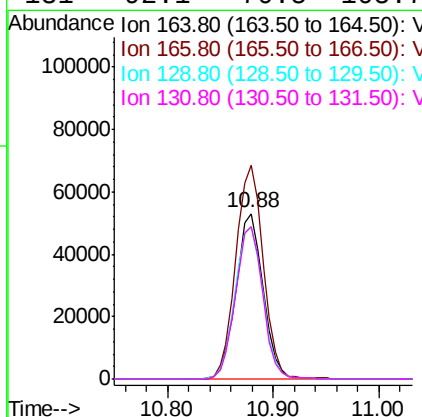
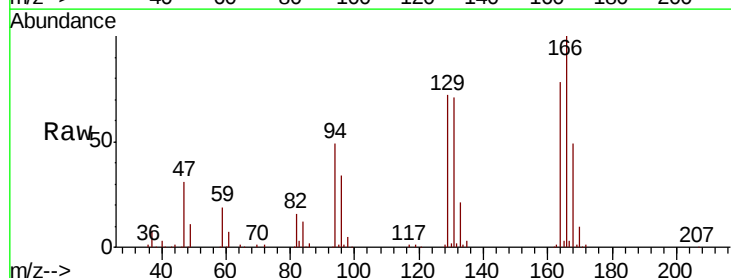
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

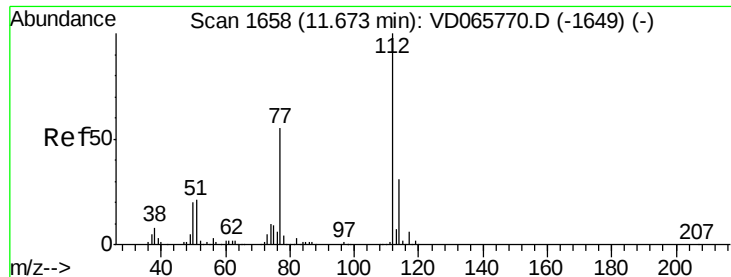
Tot Ion:117 Resp: 305687
Ion Ratio Lower Upper
117 100
82 53.9 41.9 62.9
119 32.6 25.3 37.9



#64
Tetrachloroethene
Concen: 45.702 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion:164 Resp: 94469
Ion Ratio Lower Upper
164 100
166 129.0 98.2 147.2
129 92.4 72.3 108.5
131 92.1 70.5 105.7

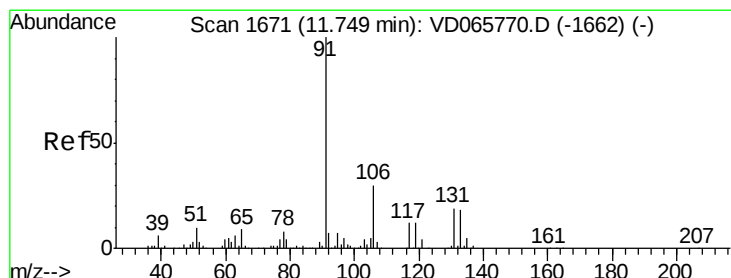
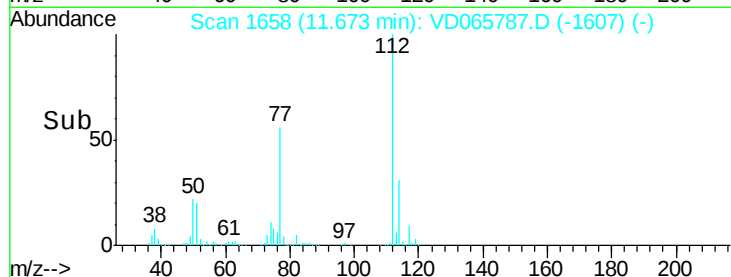
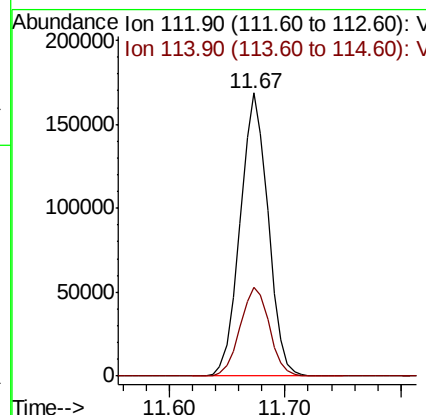
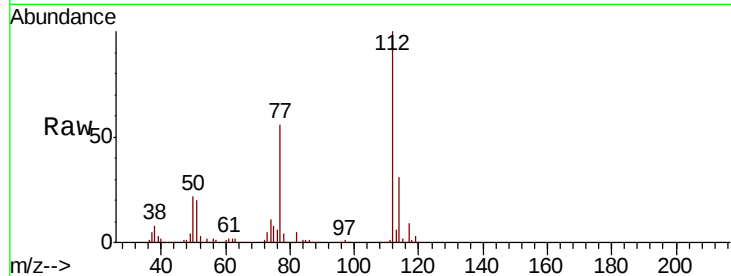




#65
Chlorobenzene
Concen: 47.369 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

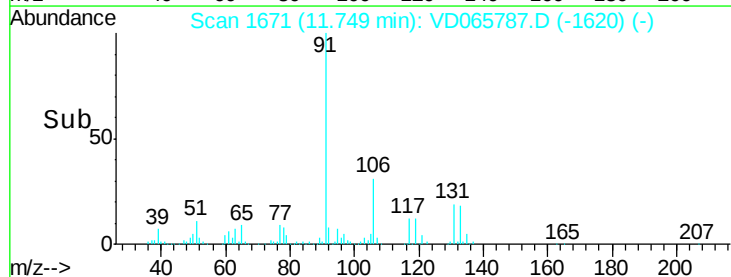
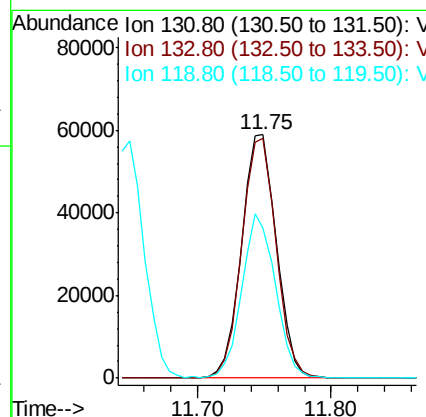
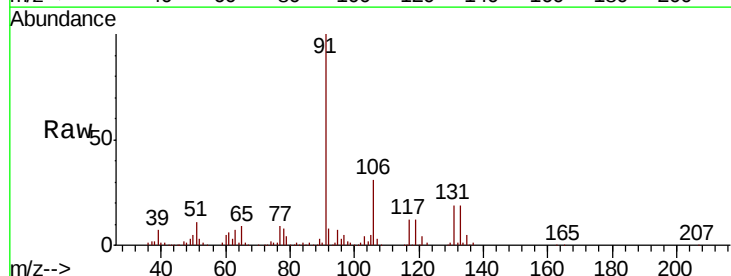
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

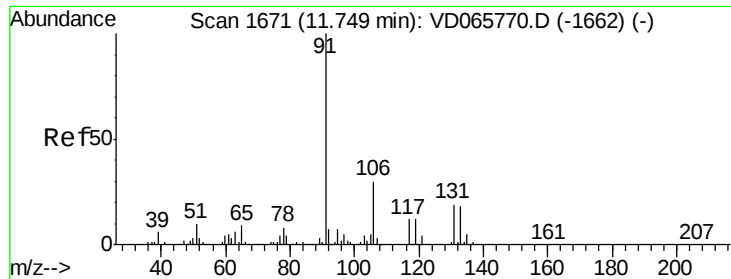
Tot Ion:112 Resp: 282682
Ion Ratio Lower Upper
112 100
114 31.3 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 47.704 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion:131 Resp: 106117
Ion Ratio Lower Upper
131 100
133 97.1 47.3 141.9
119 65.2 31.6 94.8

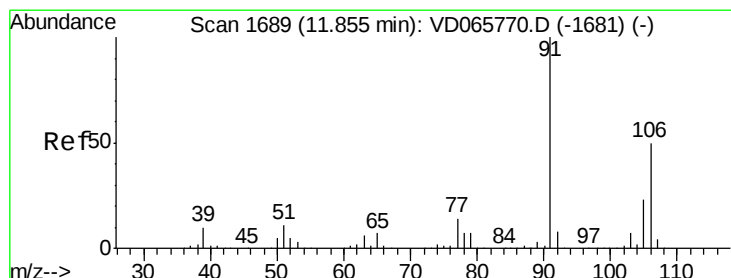
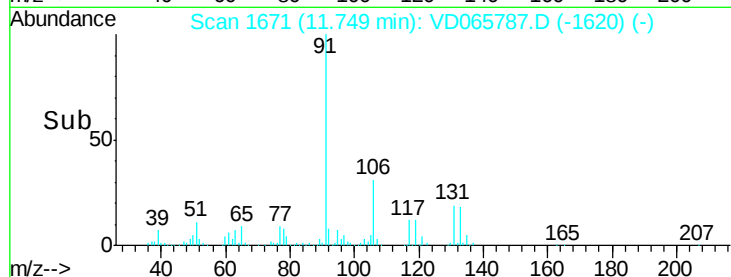
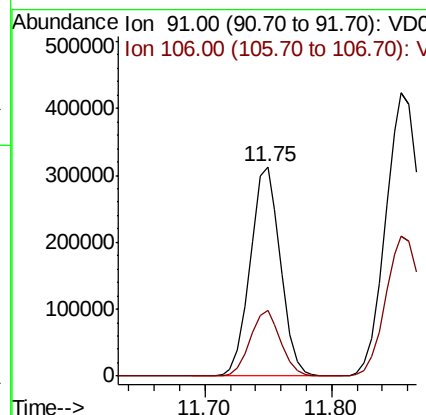
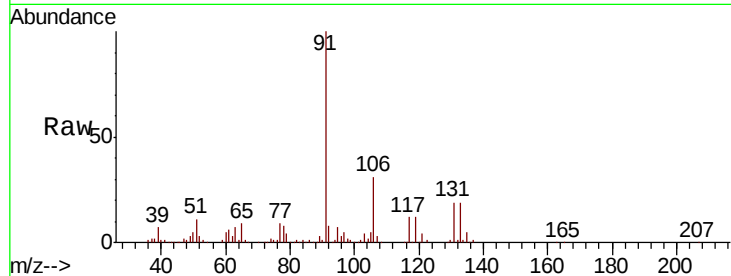




#67
Ethyl Benzene
Concen: 48.614 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

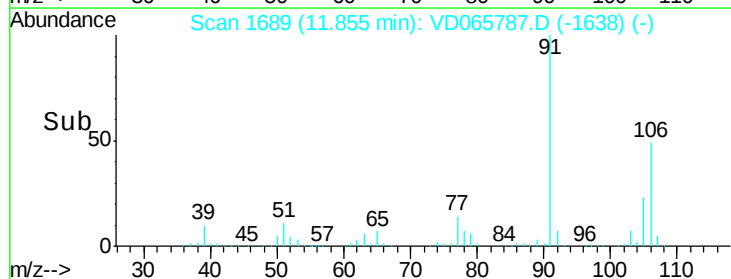
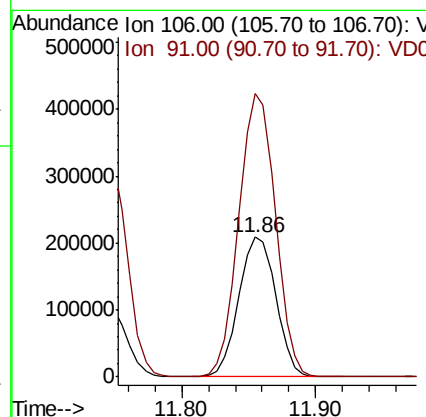
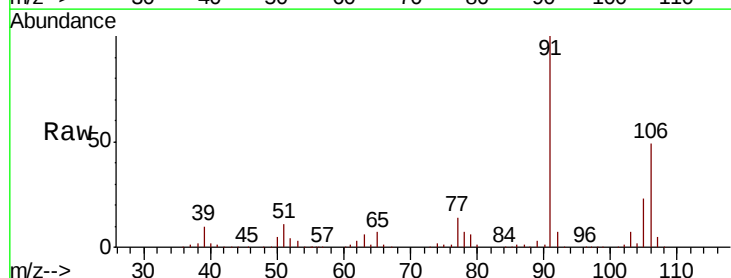
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

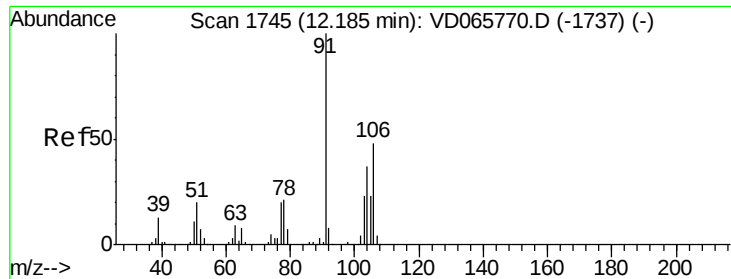
Tot Ion: 91 Resp: 518267
Ion Ratio Lower Upper
91 100
106 31.5 24.1 36.1



#68
m/p-Xylenes
Concen: 97.863 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion: 106 Resp: 401865
Ion Ratio Lower Upper
106 100
91 200.5 159.4 239.2

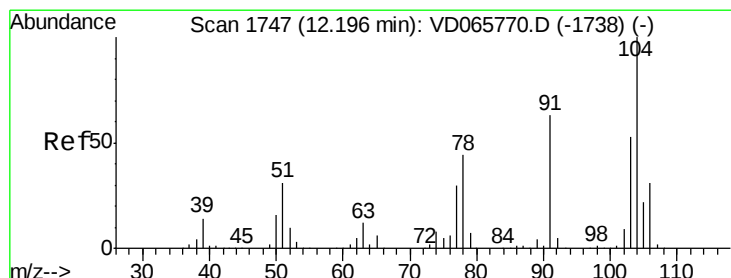
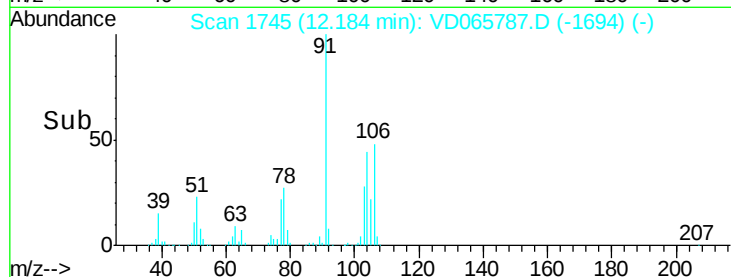
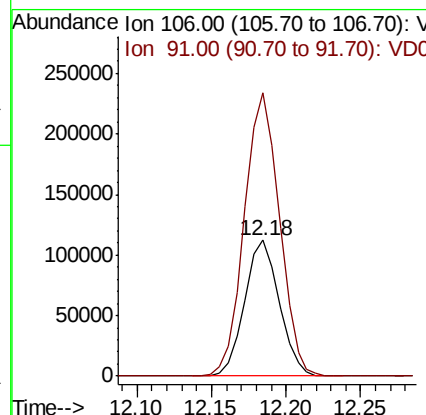
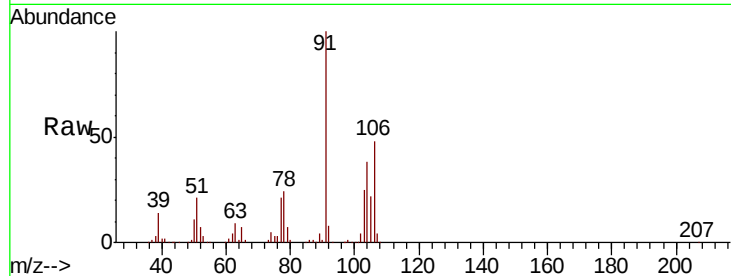




#69
o-Xylene
Concen: 48.762 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

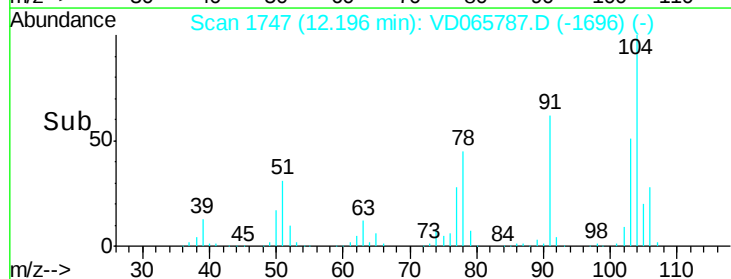
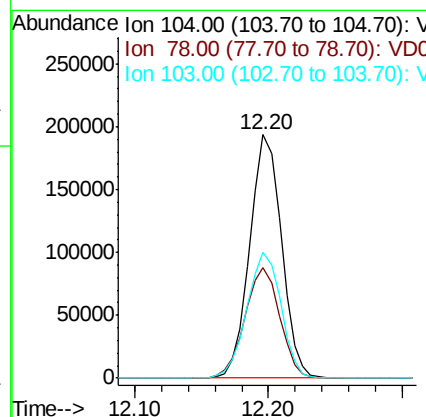
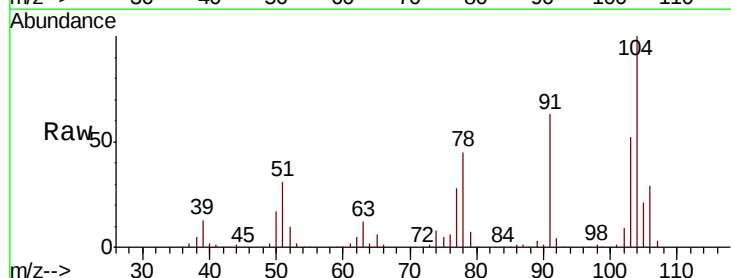
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

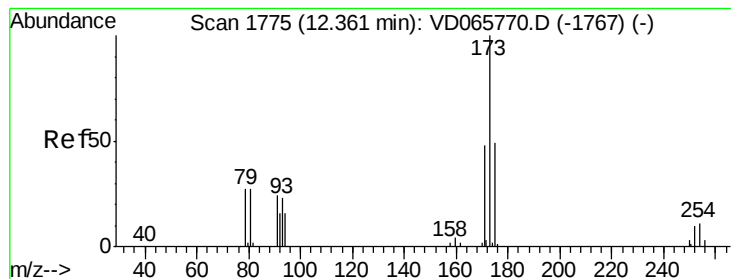
Tot Ion:106 Resp: 180540
Ion Ratio Lower Upper
106 100
91 211.9 105.3 315.8



#70
Styrene
Concen: 49.620 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion:104 Resp: 318040
Ion Ratio Lower Upper
104 100
78 49.7 38.6 58.0
103 55.8 43.9 65.9





#71

Bromoform

Concen: 48.162 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

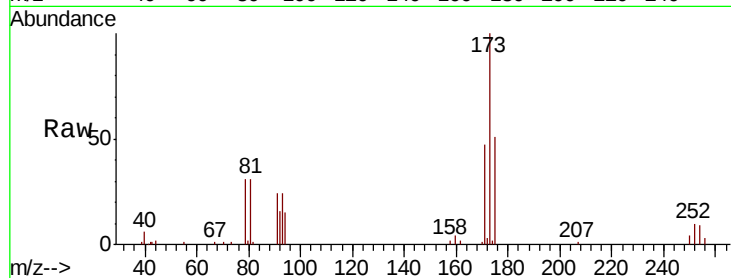
Tot Ion:173 Resp: 58997

Ion Ratio Lower Upper

173 100

175 48.8 24.8 74.4

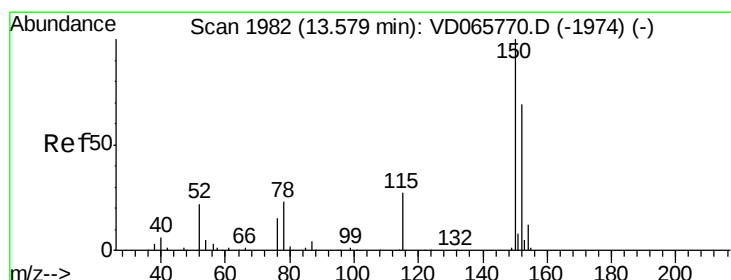
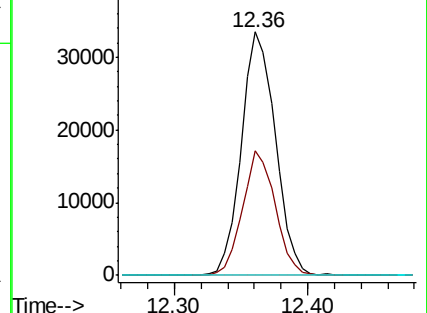
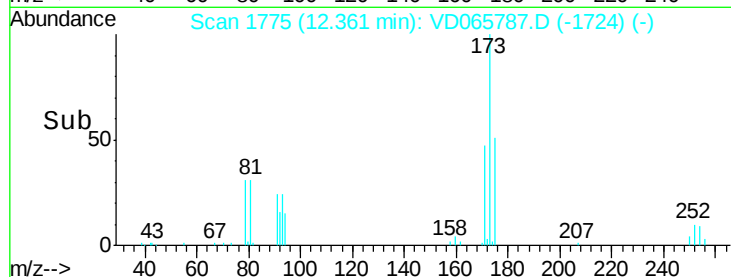
254 0.0 0.0 0.0



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: VD065787.D

Acq: 12 Jun 2020 10:03

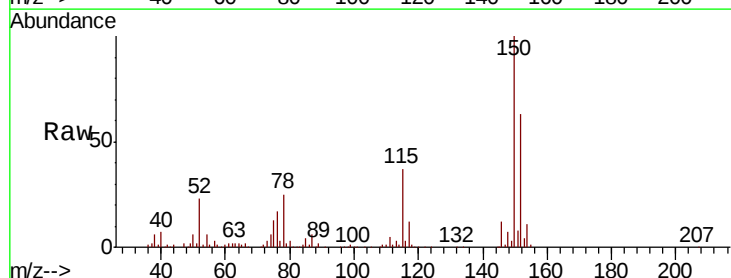
Tgt Ion:152 Resp: 158224

Ion Ratio Lower Upper

152 100

115 58.7 28.7 86.1

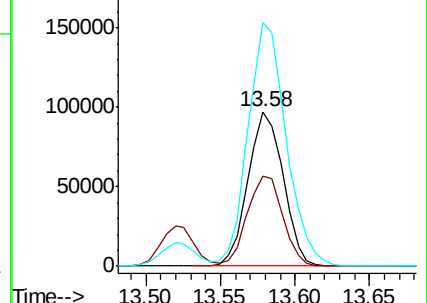
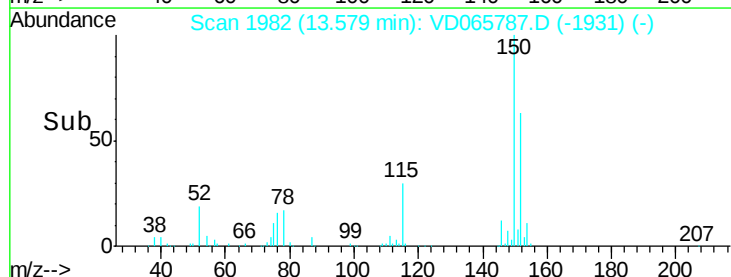
150 171.0 0.0 348.0

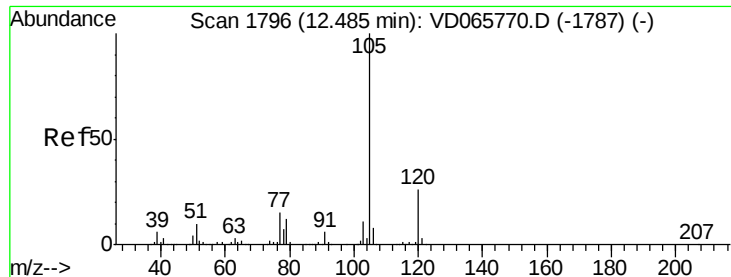


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.947 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

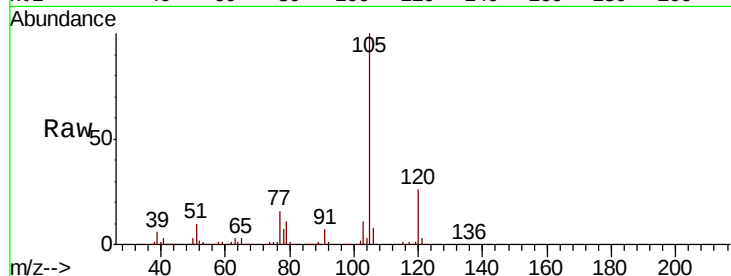
VSTDCCC050

Tot Ion:105 Resp: 508638

Ion Ratio Lower Upper

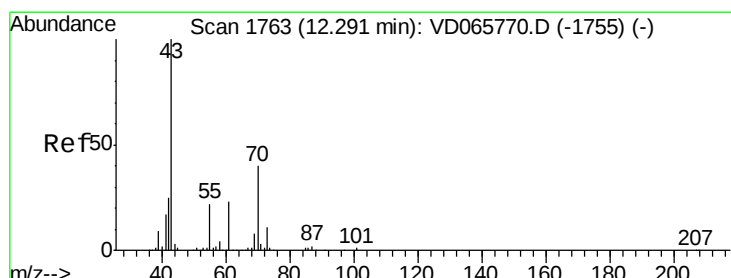
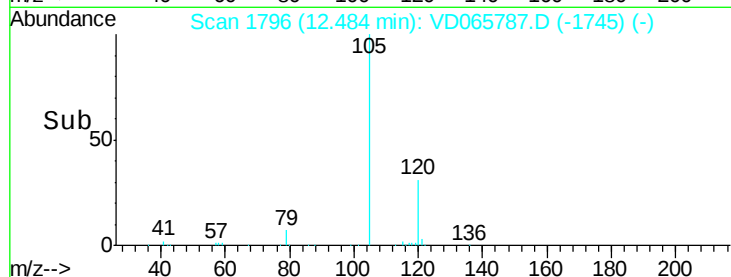
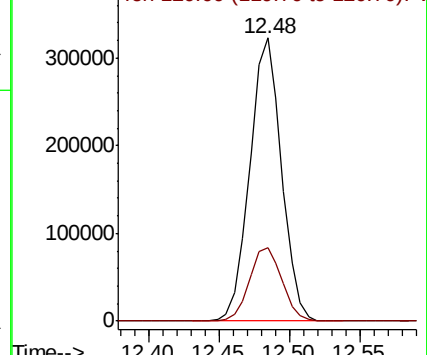
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.284 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Tgt Ion: 43 Resp: 106876

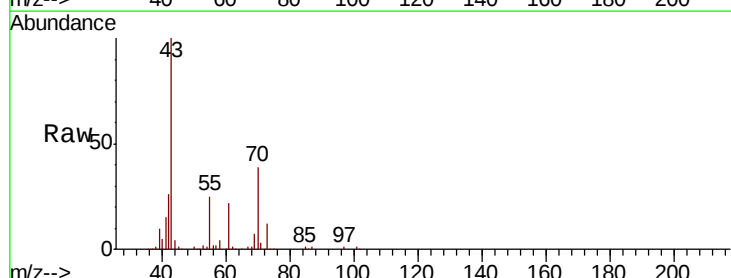
Ion Ratio Lower Upper

43 100

70 39.2 32.3 48.5

55 25.6 19.0 28.4

61 22.8 19.0 28.4

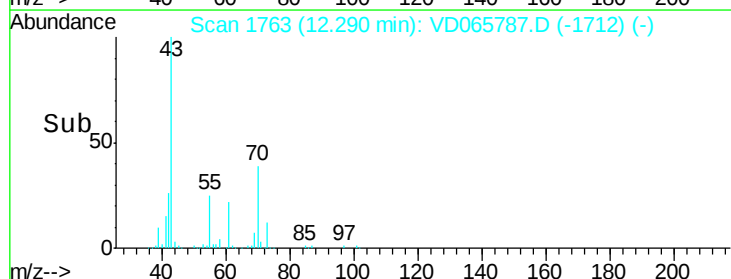
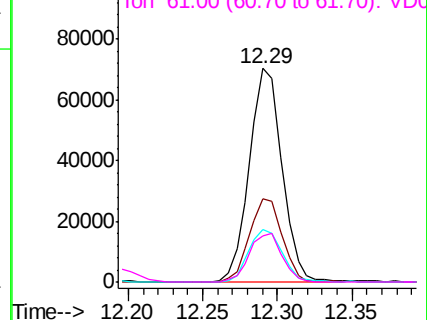


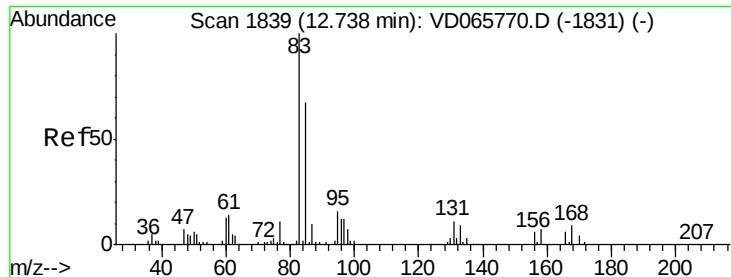
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 44.712 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

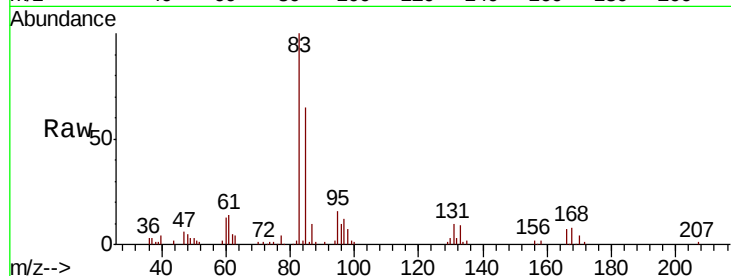
Tot Ion: 83 Resp: 80106

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.4

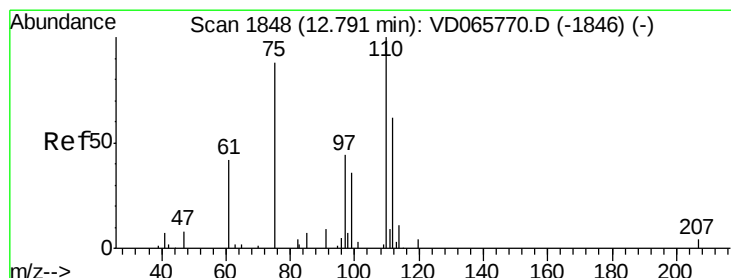
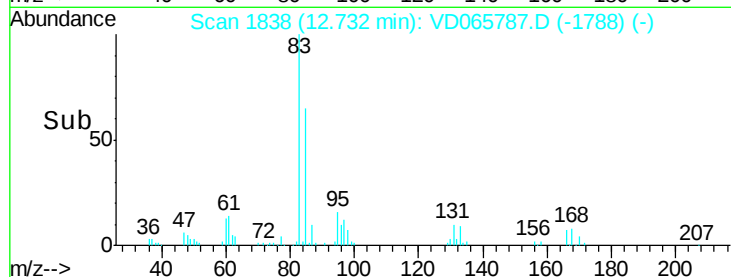
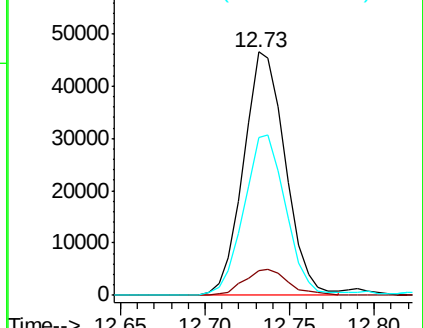
85 66.0 32.5 97.5



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: 50.346 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065787.D

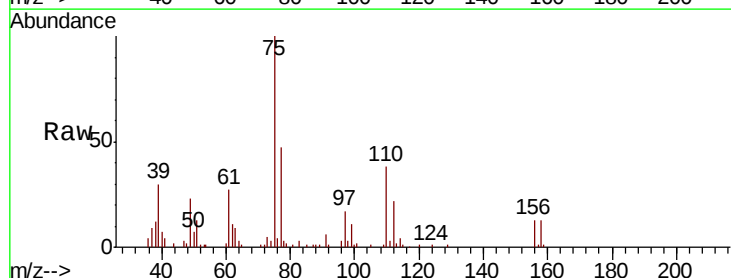
Acq: 12 Jun 2020 10:03

Tgt Ion: 75 Resp: 61952

Ion Ratio Lower Upper

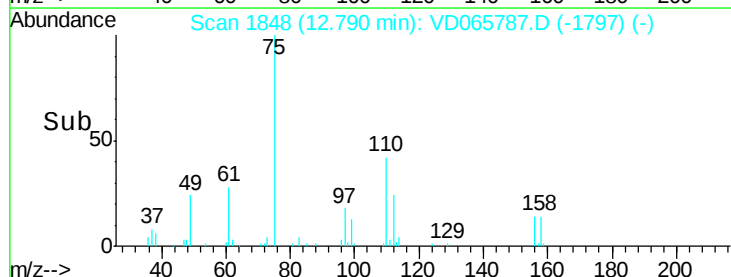
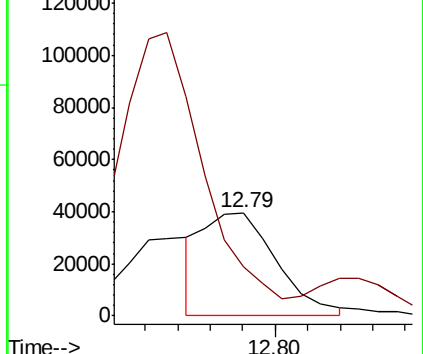
75 100

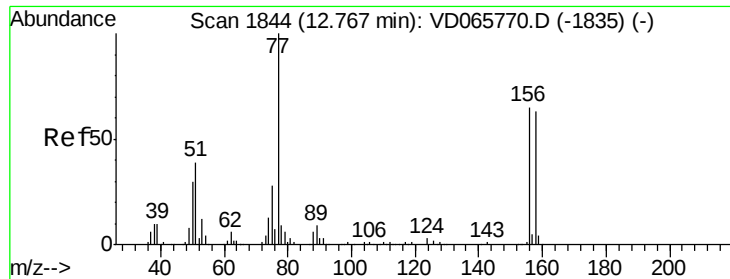
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

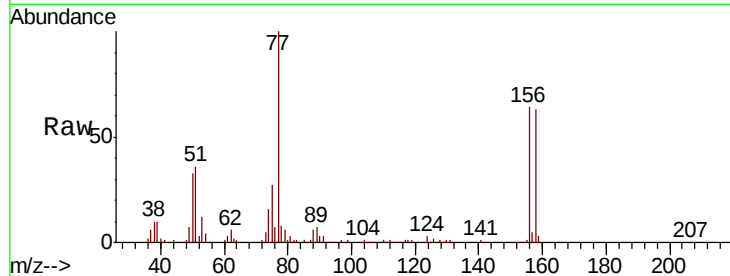




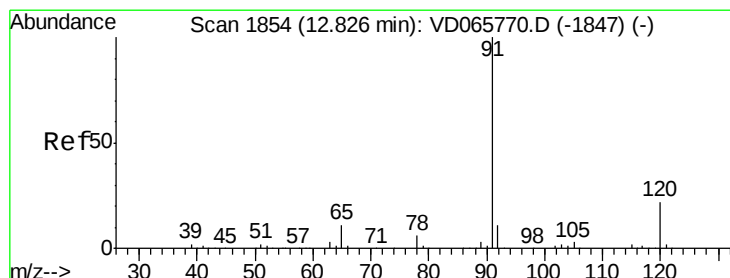
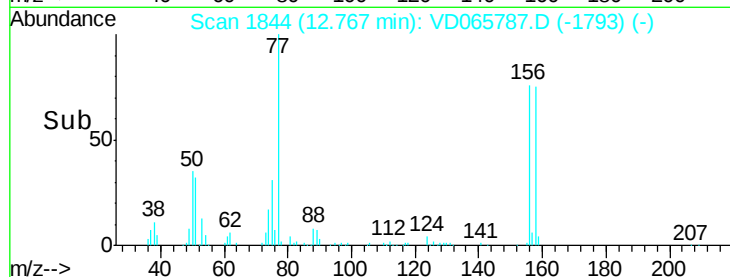
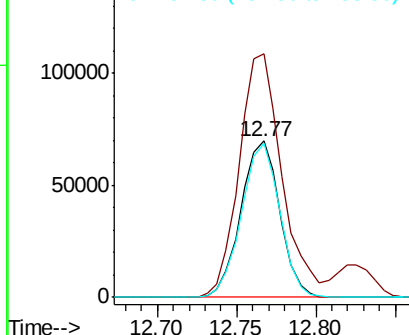
#77
Bromobenzene
Concen: 47.402 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 118975
Ion Ratio Lower Upper
156 100
77 170.5 87.3 261.8
158 97.1 48.0 144.0

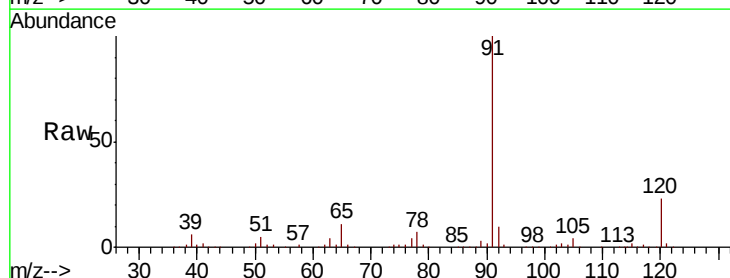


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

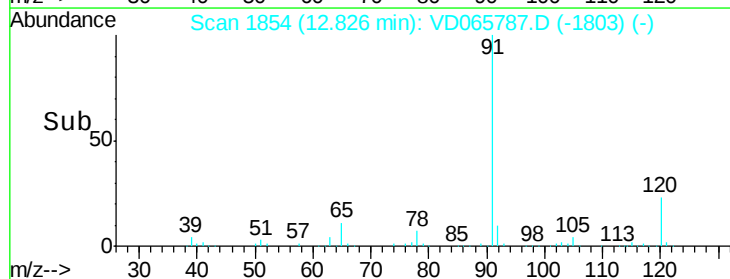
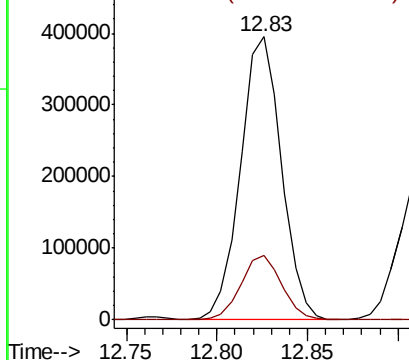


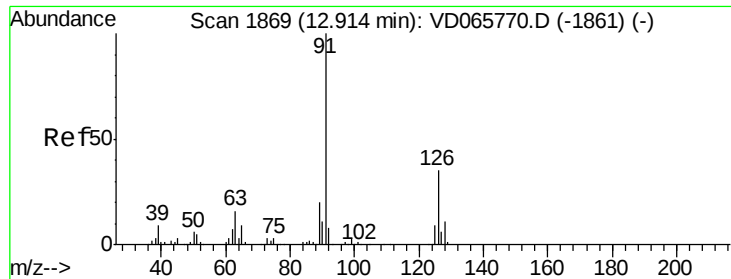
#78
n-propylbenzene
Concen: 48.430 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion: 91 Resp: 618420
Ion Ratio Lower Upper
91 100
120 22.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.035 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

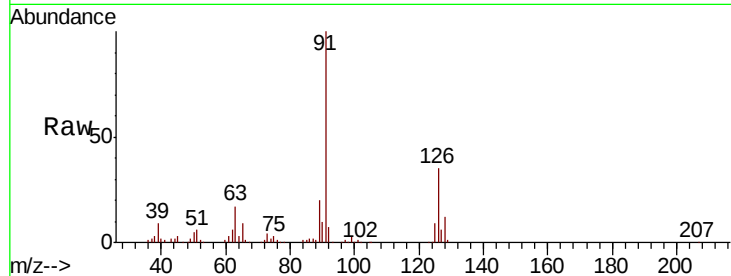
VSTDCCC050

Tot Ion: 91 Resp: 336492

Ion Ratio Lower Upper

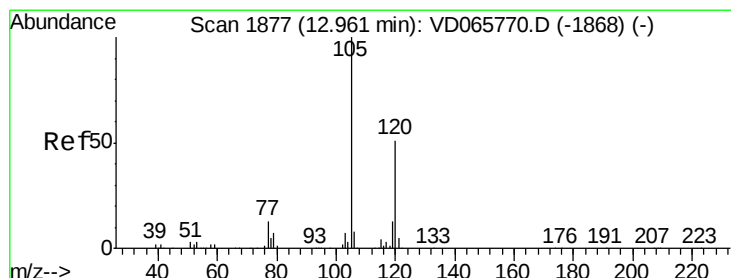
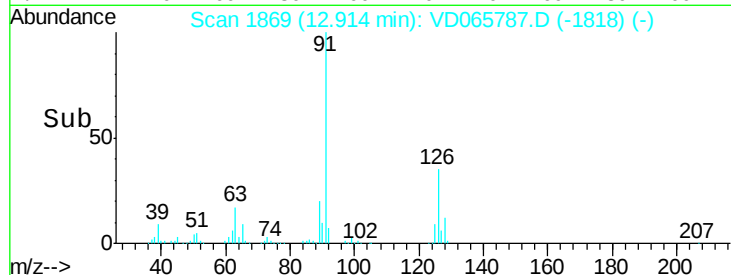
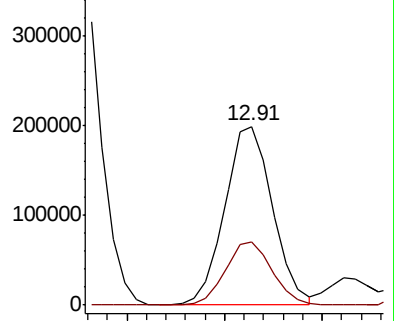
91 100

126 34.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD065770.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.865 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD065787.D

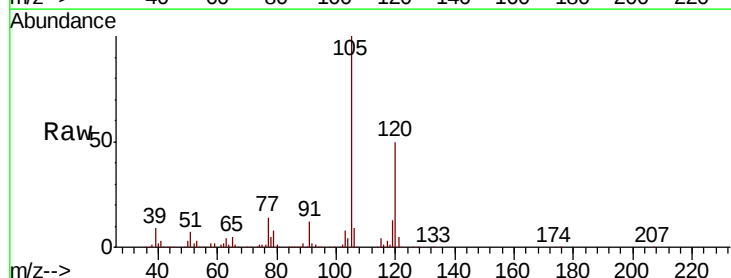
Acq: 12 Jun 2020 10:03

Tgt Ion: 105 Resp: 422545

Ion Ratio Lower Upper

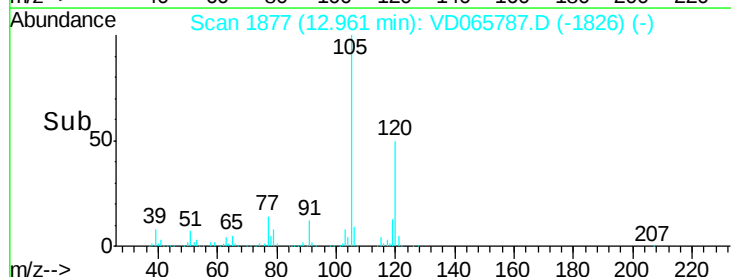
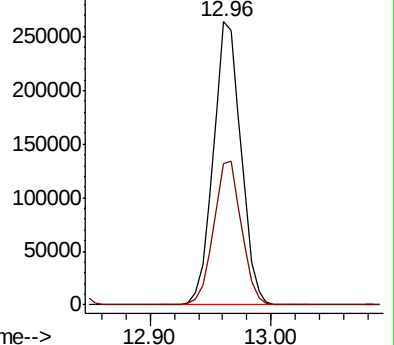
105 100

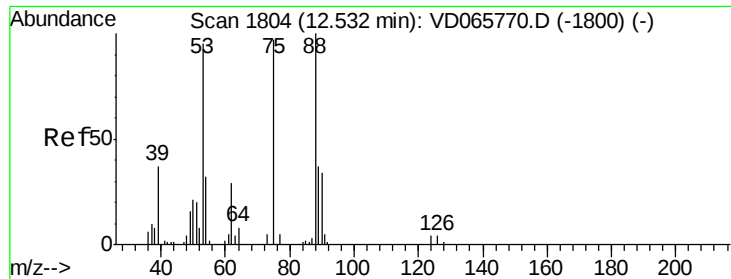
120 51.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065770.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD065770.D (-1868) (-)

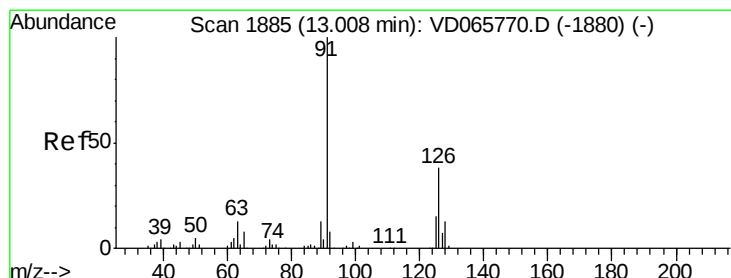
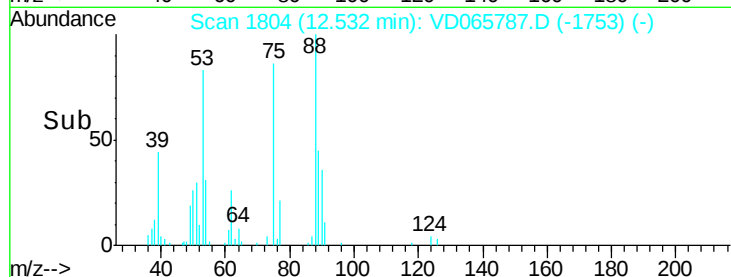
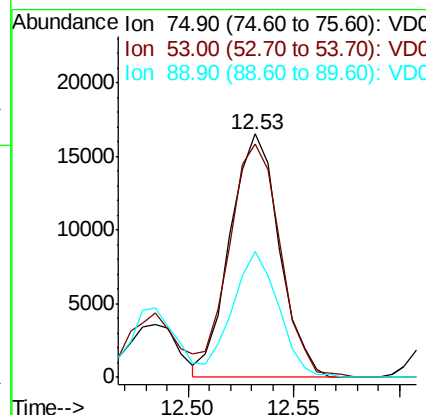
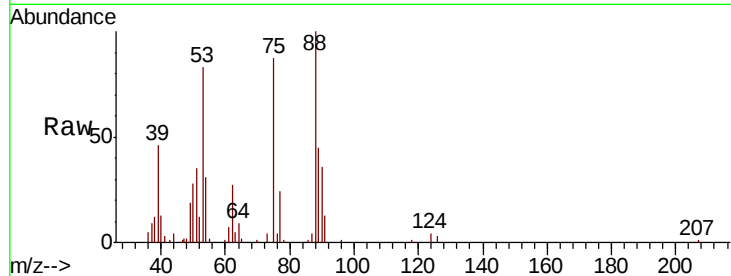




#81
trans-1,4-Dichloro-2-butene
Concen: 46.971 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

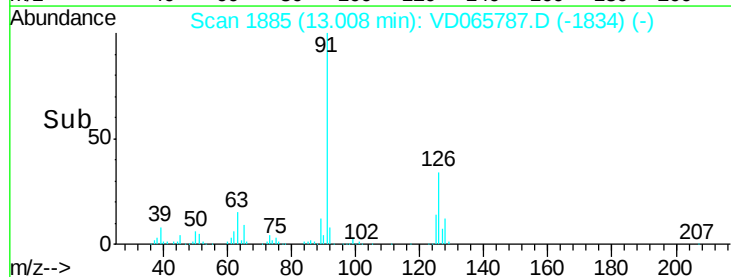
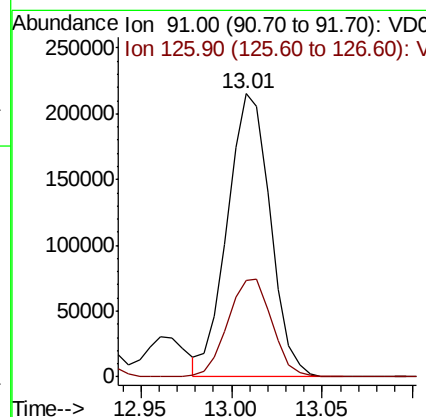
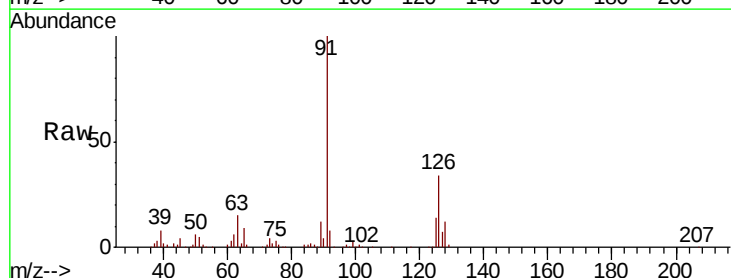
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

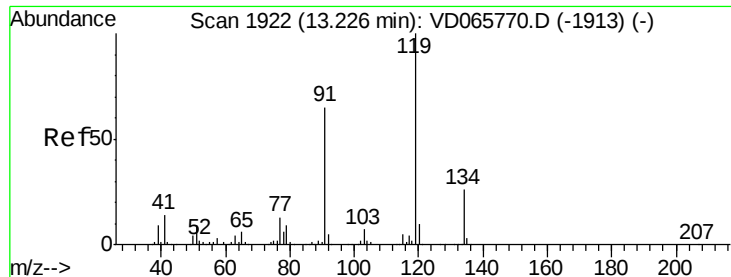
Tot Ion: 75 Resp: 26751
Ion Ratio Lower Upper
75 100
53 99.6 82.6 123.8
89 48.0 35.9 53.9



#82
4-Chlorotoluene
Concen: 46.910 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion: 91 Resp: 352719
Ion Ratio Lower Upper
91 100
126 35.6 17.6 52.8

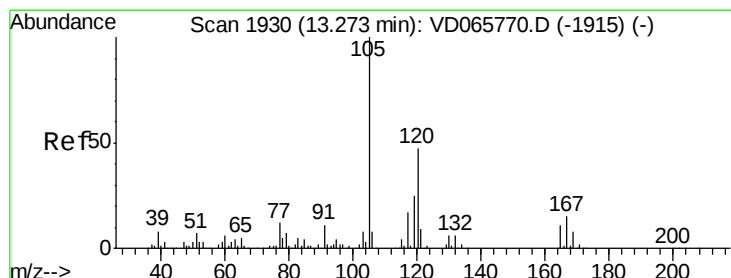
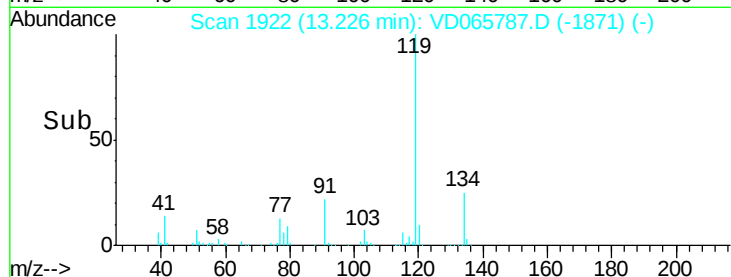
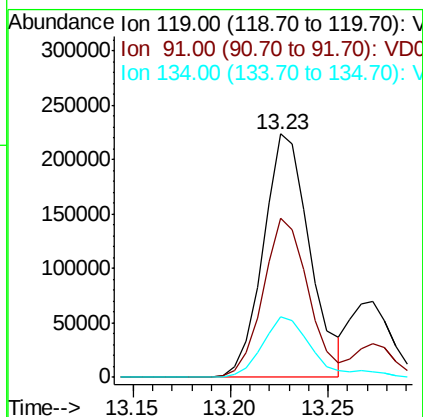
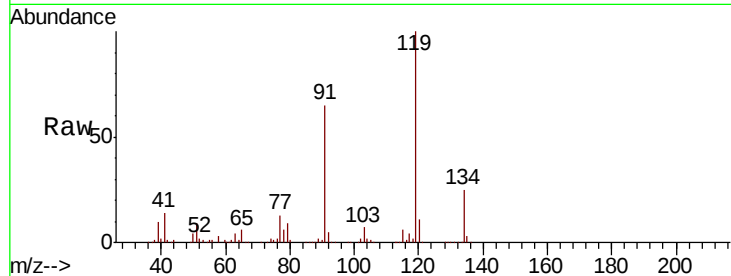




#83
tert-Butylbenzene
Concen: 48.402 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

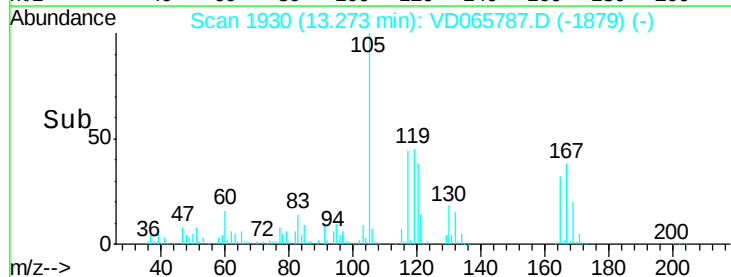
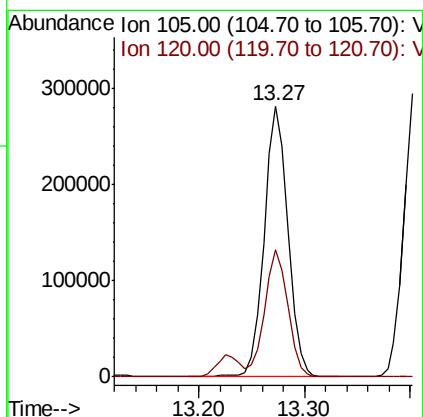
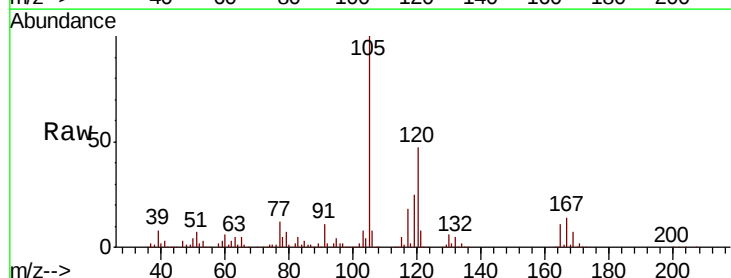
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

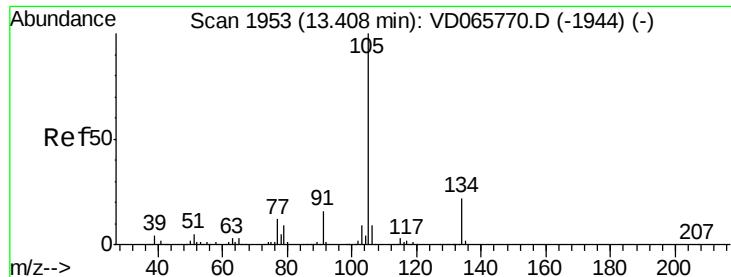
Tot Ion:119 Resp: 370755
Ion Ratio Lower Upper
119 100
91 63.2 32.0 96.0
134 26.9 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 49.547 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion:105 Resp: 437796
Ion Ratio Lower Upper
105 100
120 46.0 23.3 69.8

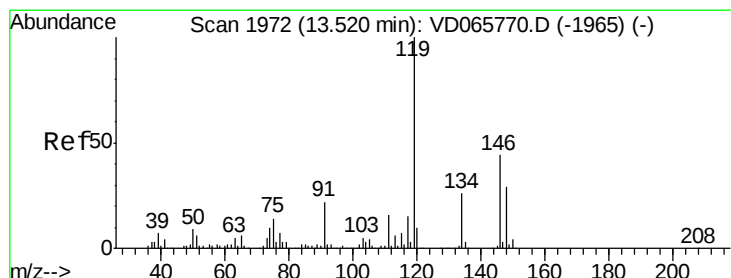
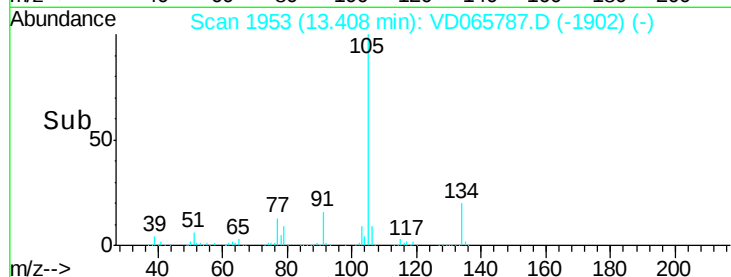
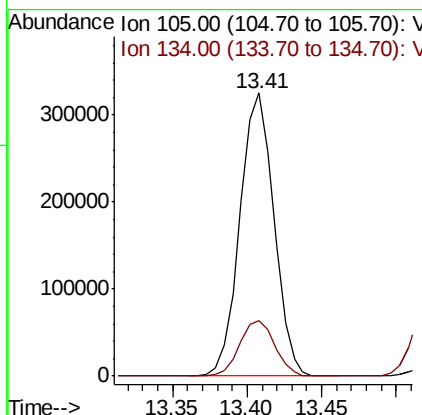
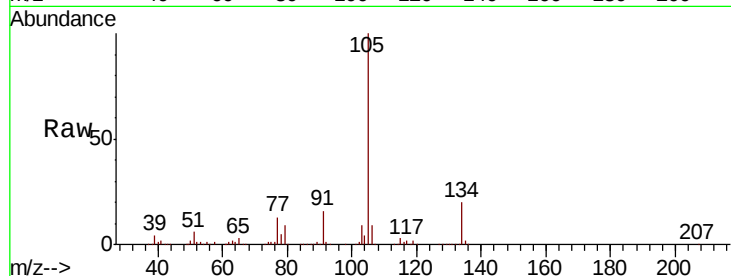




#85
 sec-Butylbenzene
 Concen: 48.149 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

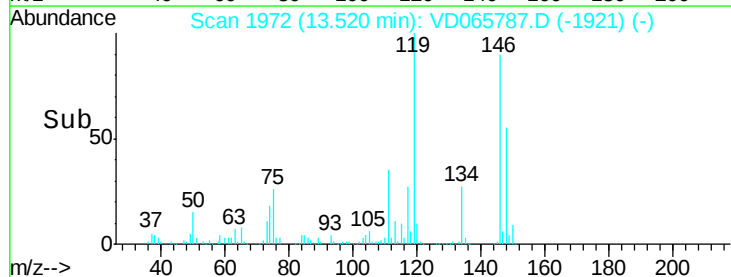
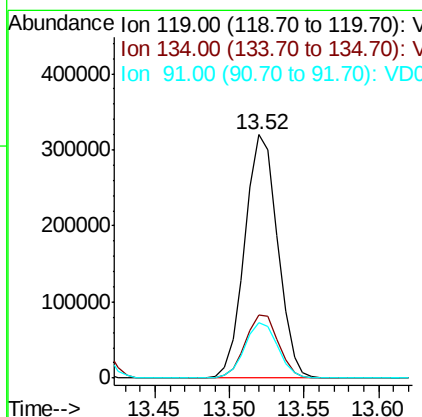
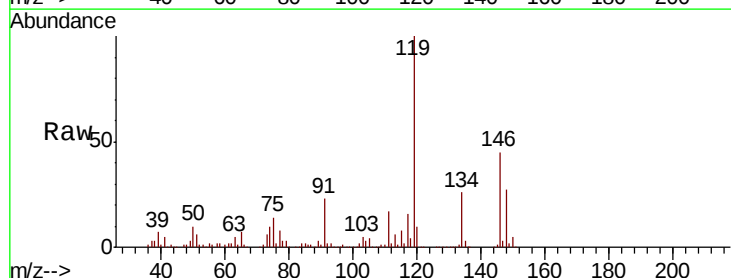
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

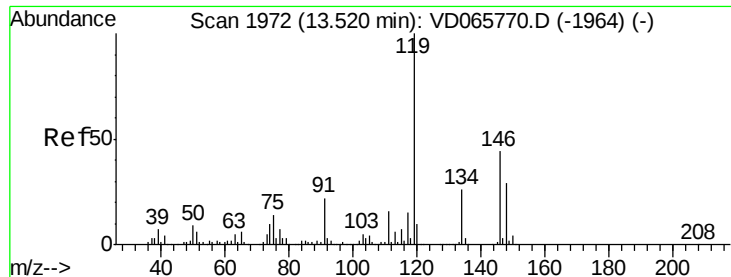
Tot Ion:105 Resp: 513266
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 49.863 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Tgt Ion:119 Resp: 487188
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.9
 91 23.1 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 48.139 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

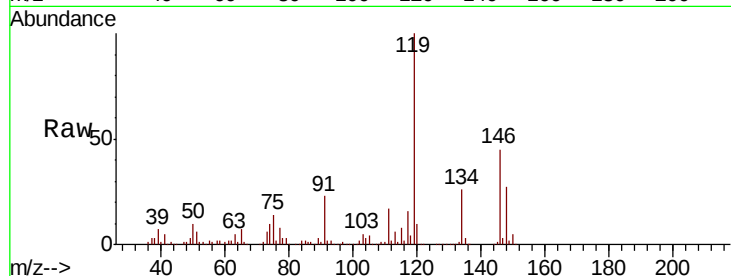
Tot Ion:146 Resp: 238238

Ion Ratio Lower Upper

146 100

111 38.4 19.2 57.6

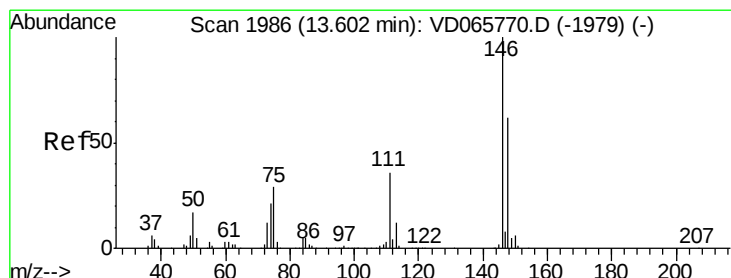
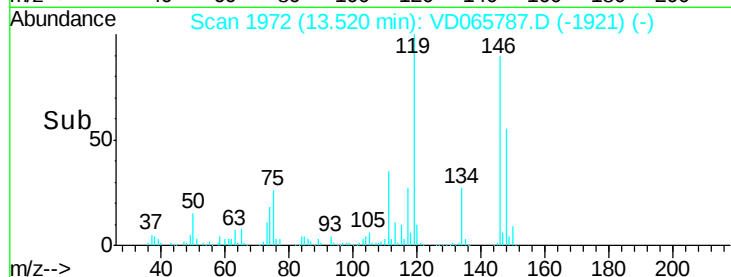
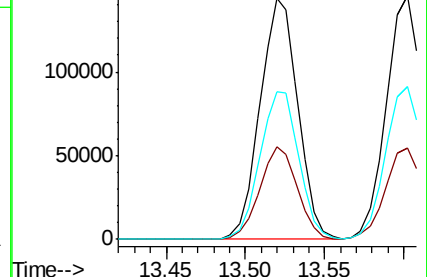
148 63.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.324 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

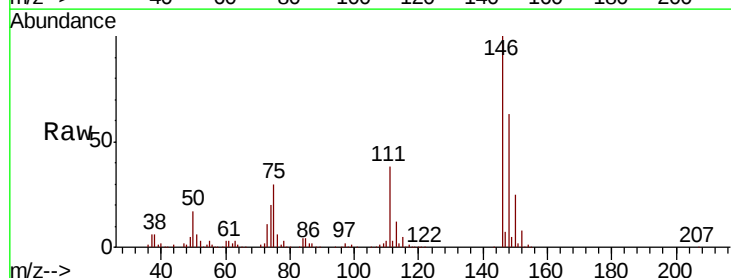
Tgt Ion:146 Resp: 232975

Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.7

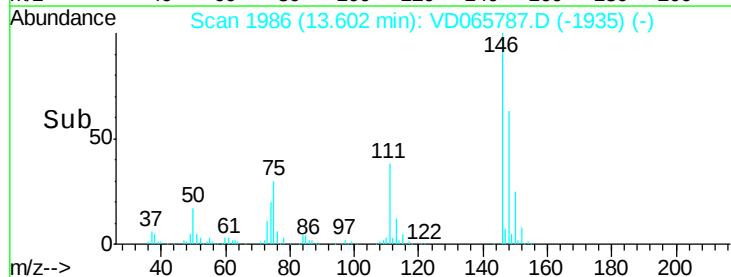
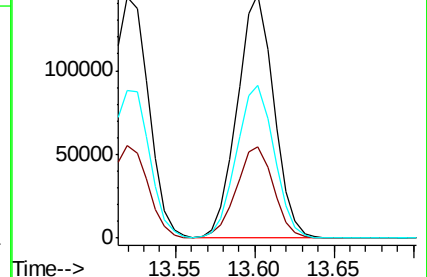
148 64.5 31.6 94.7

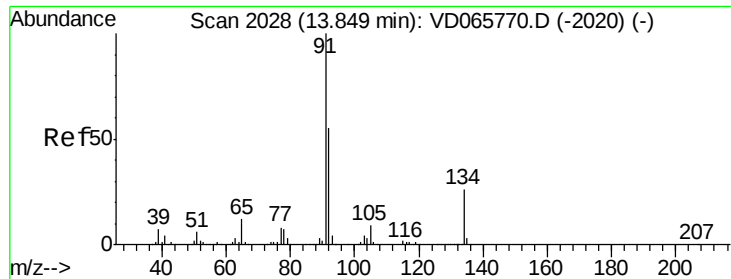


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

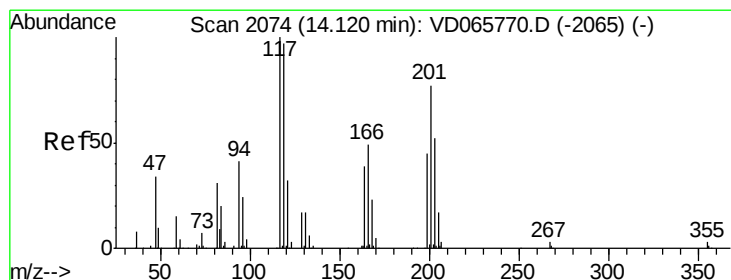
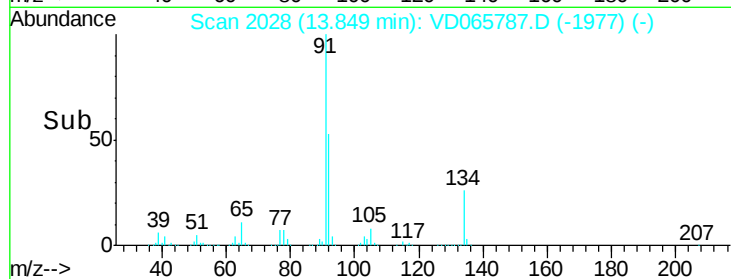
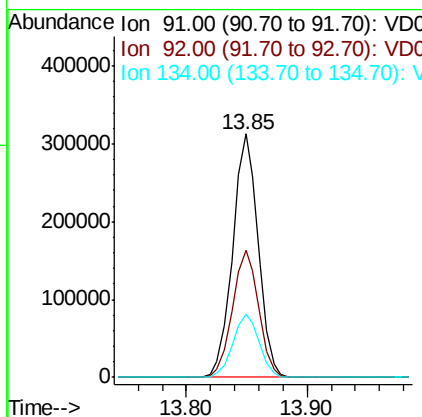
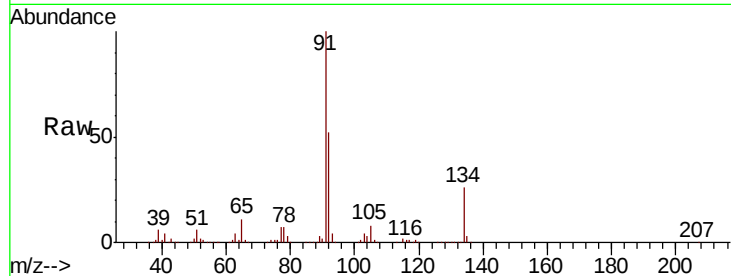




#89
n-Butylbenzene
Concen: 49.250 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

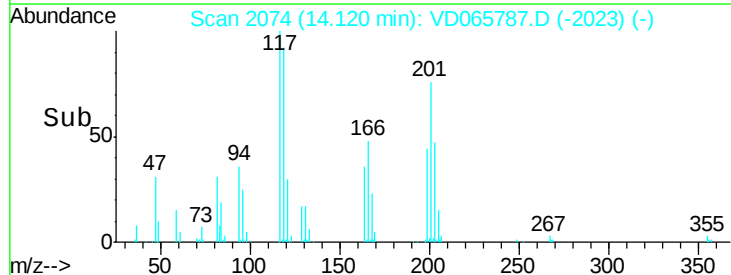
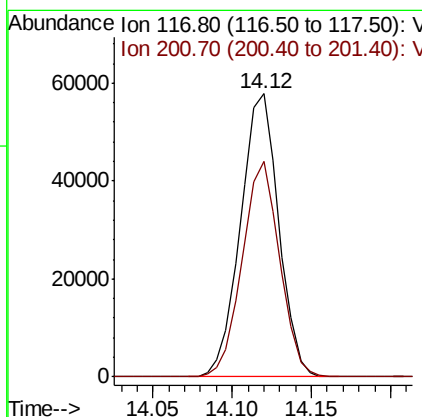
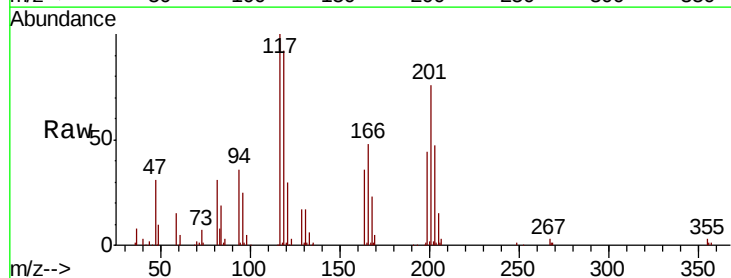
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

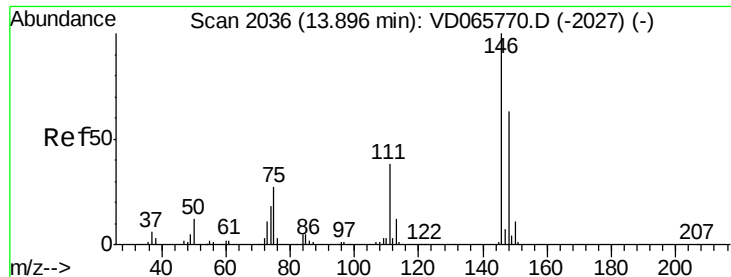
Tot Ion: 91 Resp: 458941
Ion Ratio Lower Upper
91 100
92 53.3 27.0 81.0
134 26.6 13.0 39.0



#90
Hexachloroethane
Concen: 49.580 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065787.D
Acq: 12 Jun 2020 10:03

Tgt Ion: 117 Resp: 96964
Ion Ratio Lower Upper
117 100
201 74.5 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 46.692 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

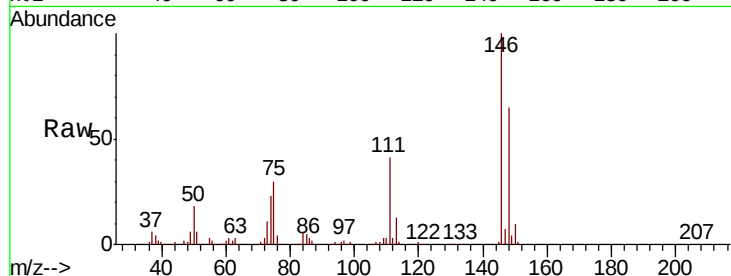
Tot Ion:146 Resp: 198867

Ion Ratio Lower Upper

146 100

111 40.7 19.8 59.4

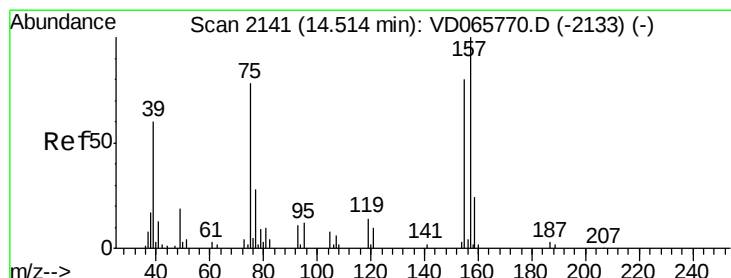
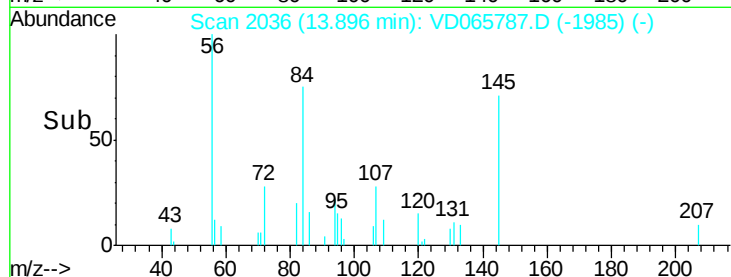
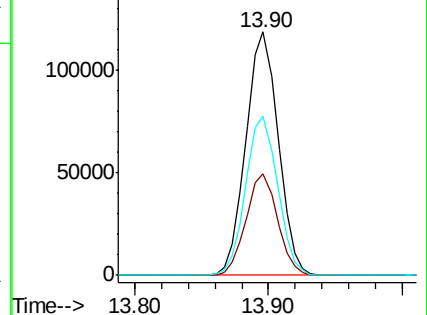
148 64.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.159 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

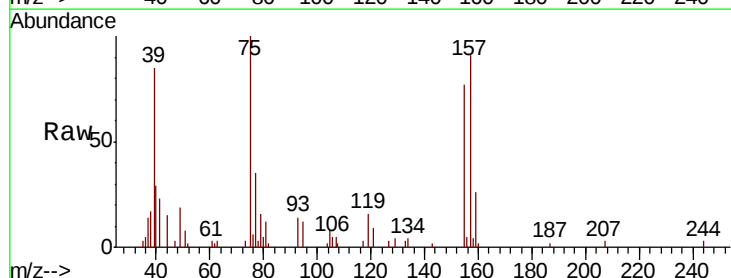
Tgt Ion: 75 Resp: 14061

Ion Ratio Lower Upper

75 100

155 80.6 46.3 138.9

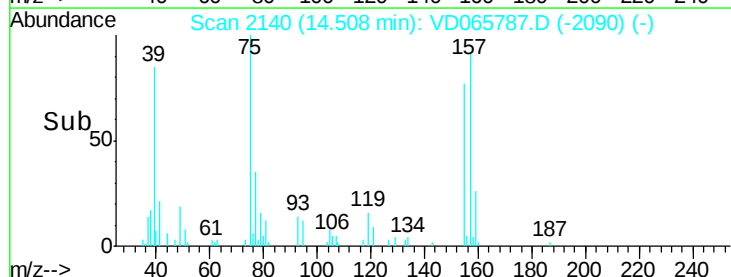
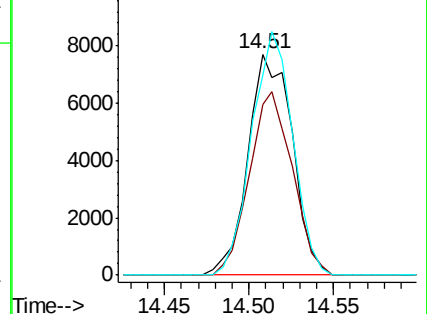
157 102.2 58.1 174.3

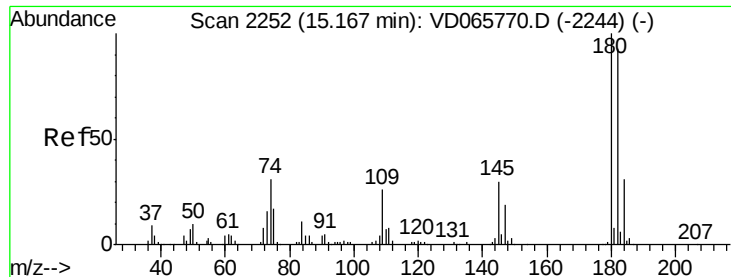


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

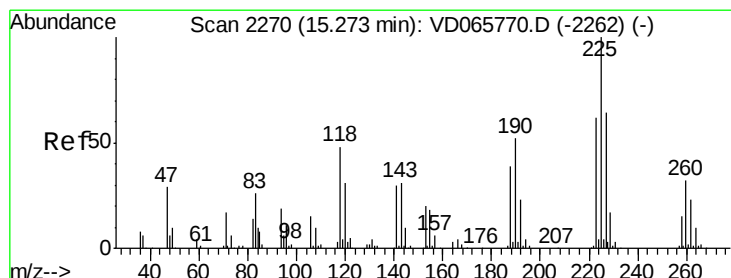
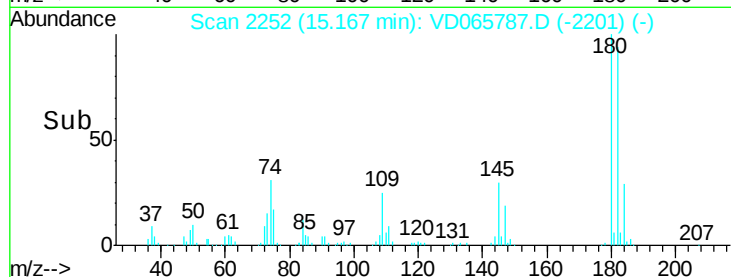
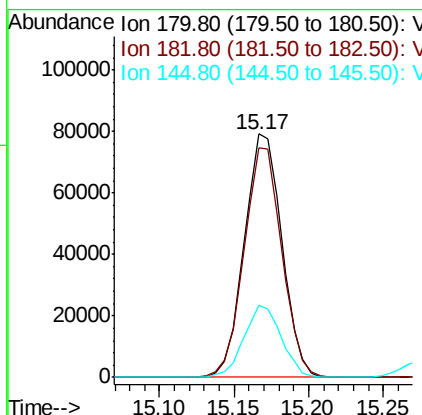
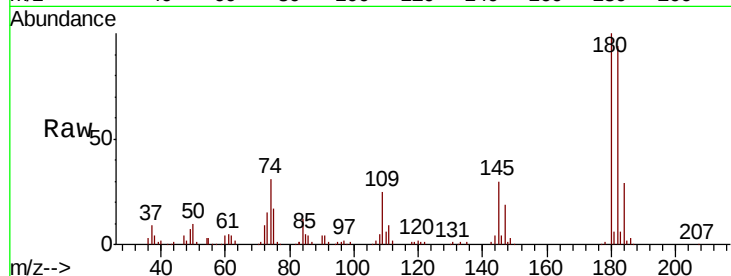




#93
 1,2,4-Trichlorobenzene
 Concen: 47.462 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

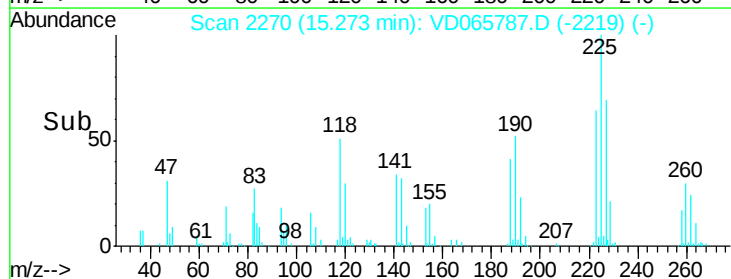
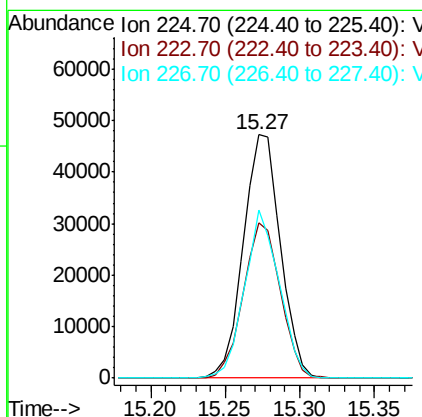
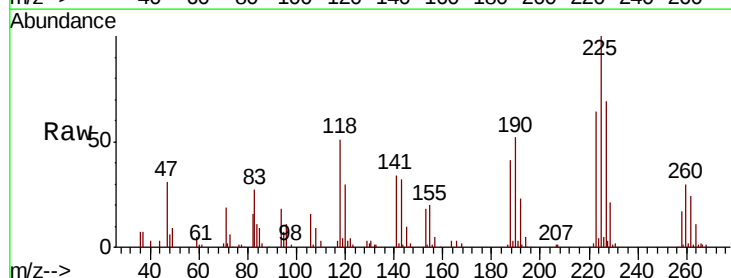
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

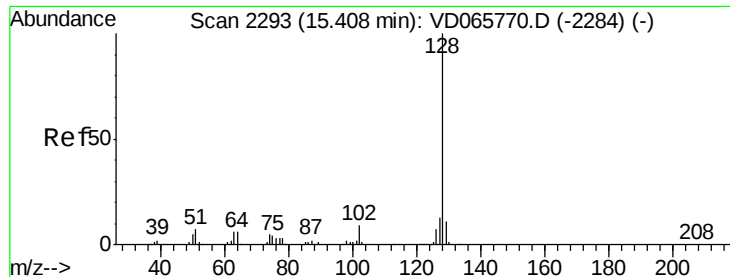
Tot Ion:180 Resp: 137445
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.0 144.2
 145 29.5 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 46.323 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065787.D
 Acq: 12 Jun 2020 10:03

Tgt Ion:225 Resp: 81094
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.9 92.7
 227 64.6 31.9 95.7





#95

Naphthalene

Concen: 44.963 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

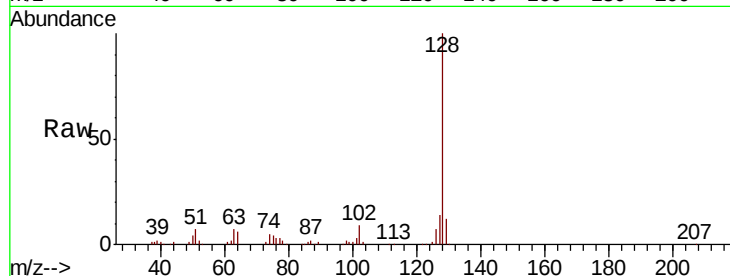
Tot Ion:128 Resp: 220560

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

129 11.0 8.6 12.8

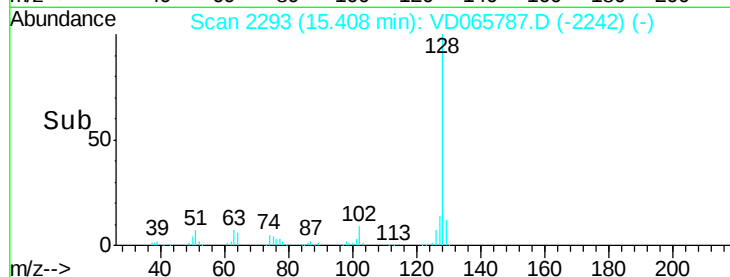


Abundance Ion 128.00 (127.70 to 128.70): V

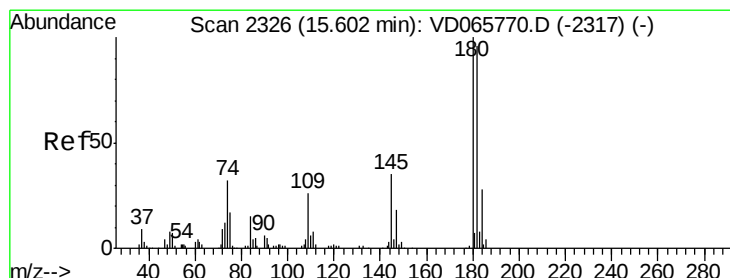
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.41



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 47.476 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065787.D

Acq: 12 Jun 2020 10:03

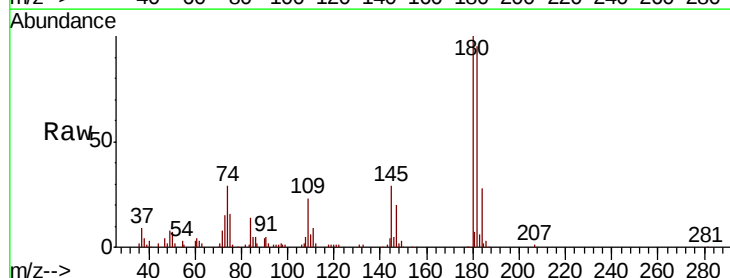
Tgt Ion:180 Resp: 118412

Ion Ratio Lower Upper

180 100

182 94.5 47.0 141.2

145 31.5 16.2 48.6

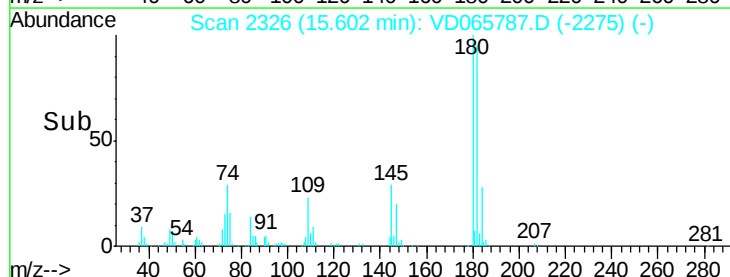


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.60



Time--> 15.50 15.55 15.60 15.65