

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065951.D
 Acq On : 16 Jul 2020 12:04
 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: Jul 17 03:36:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	378554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	546462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	498168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142254	42.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.80%	
35) Dibromofluoromethane	7.91	113	154413	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	10.34	98	571529	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
62) 4-Bromofluorobenzene	12.63	95	200381	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	150411	44.694	ug/l	96
3) Chloromethane	2.21	50	137042	41.078	ug/l	96
4) Vinyl Chloride	2.35	62	132512	43.259	ug/l	95
5) Bromomethane	2.77	94	84856	43.732	ug/l	95
6) Chloroethane	2.92	64	80719	44.082	ug/l	89
7) Trichlorofluoromethane	3.27	101	327605	49.900	ug/l	99
8) Diethyl Ether	3.71	74	88312	49.032	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	204752	52.139	ug/l	97
10) Methyl Iodide	4.30	142	219825	52.987	ug/l	99
11) Tert butyl alcohol	5.21	59	52293	247.979	ug/l	100
12) 1,1-Dichloroethene	4.07	96	186309	50.783	ug/l	98
13) Acrolein	3.91	56	39777	234.731	ug/l	98
14) Allyl chloride	4.71	41	306208	49.252	ug/l	98
15) Acrylonitrile	5.42	53	197780	250.802	ug/l	98
16) Acetone	4.16	43	224729	285.828	ug/l #	89
17) Carbon Disulfide	4.41	76	560505	47.949	ug/l	100
18) Methyl Acetate	4.72	43	84412	45.801	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	404034	52.019	ug/l	99
20) Methylene Chloride	4.96	84	242055	57.153	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	211528	51.246	ug/l	93
22) Diisopropyl ether	6.36	45	585999	50.155	ug/l	98
23) Vinyl Acetate	6.30	43	1691181	253.586	ug/l	99
24) 1,1-Dichloroethane	6.26	63	351208	50.411	ug/l	98
25) 2-Butanone	7.21	43	264485	254.573	ug/l	99
26) 2,2-Dichloropropane	7.20	77	324399	53.226	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	227885	51.383	ug/l	97
28) Bromochloromethane	7.54	49	118575	45.054	ug/l	95
29) Tetrahydrofuran	7.56	42	156950	237.572	ug/l	97
30) Chloroform	7.71	83	356617	50.491	ug/l	93
31) Cyclohexane	7.98	56	331451	48.353	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	337928	52.428	ug/l	100
36) 1,1-Dichloropropene	8.11	75	291972	54.098	ug/l	99
37) Ethyl Acetate	7.29	43	111335	49.233	ug/l #	94
38) Carbon Tetrachloride	8.10	117	314594	54.383	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	363661	54.883	ug/l	97
40) Benzene	8.35	78	798593	53.560	ug/l	100
41) Methacrylonitrile	7.56	41	153437	116.865	ug/l #	25
42) 1,2-Dichloroethane	8.42	62	214368	50.750	ug/l	99
43) Isopropyl Acetate	8.45	43	219401	52.123	ug/l	97
44) Trichloroethene	9.11	130	240902	54.989	ug/l	97
45) 1,2-Dichloropropane	9.39	63	196166	53.008	ug/l	100
46) Dibromomethane	9.48	93	101211	52.532	ug/l	94
47) Bromodichloromethane	9.66	83	273710	52.961	ug/l	100
48) Methyl methacrylate	9.46	41	102321	48.287	ug/l	89
49) 1,4-Dioxane	9.46	88	22931	1001.681	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	549298	258.121	ug/l	98
52) Toluene	10.40	92	528512	55.716	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	263424	54.208	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	309874	52.772	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	143764	54.158	ug/l	98
56) Ethyl methacrylate	10.66	69	181520	55.986	ug/l	95
57) 1,3-Dichloropropane	10.95	76	245794	52.946	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	368366	234.596	ug/l	99
59) 2-Hexanone	10.98	43	406083	277.465	ug/l	100
60) Dibromochloromethane	11.14	129	196083	54.066	ug/l	100
61) 1,2-Dibromoethane	11.25	107	140648	53.141	ug/l	100
64) Tetrachloroethene	10.88	164	207731	57.340	ug/l	96
65) Chlorobenzene	11.67	112	554247	55.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	208626	55.562	ug/l	100
67) Ethyl Benzene	11.74	91	988777	55.442	ug/l	97
68) m/p-Xylenes	11.86	106	769600	113.580	ug/l	97
69) o-Xylene	12.18	106	354625	57.453	ug/l	97
70) Styrene	12.20	104	604724	56.754	ug/l	100
71) Bromoform	12.37	173	116839	54.991	ug/l #	100
73) Isopropylbenzene	12.48	105	973746	55.729	ug/l	97
74) N-amyl acetate	12.29	43	198733	50.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	149265	51.456	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	199147	94.824	ug/l #	100
77) Bromobenzene	12.76	156	237650	56.077	ug/l	96
78) n-propylbenzene	12.83	91	1142002	55.748	ug/l	99
79) 2-Chlorotoluene	12.91	91	640372	55.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	807494	56.501	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	51456	52.645	ug/l	98
82) 4-Chlorotoluene	13.01	91	664238	54.478	ug/l	98
83) tert-Butylbenzene	13.23	119	710371	58.342	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	792571	55.712	ug/l	98
85) sec-Butylbenzene	13.40	105	992956	57.544	ug/l	99
86) p-Isopropyltoluene	13.52	119	910439	57.685	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	439610	55.436	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	438216	55.391	ug/l	99
89) n-Butylbenzene	13.84	91	849414	57.311	ug/l	100
90) Hexachloroethane	14.11	117	177335	55.718	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	386218	55.723	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25563	52.701	ug/l	96

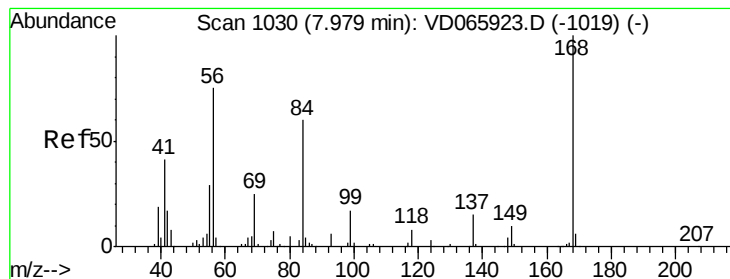
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071620\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	292828	59.280	ug/l	97
94) Hexachlorobutadiene	15.27	225	183265	61.333	ug/l	98
95) Naphthalene	15.40	128	474417	57.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	249520	58.561	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

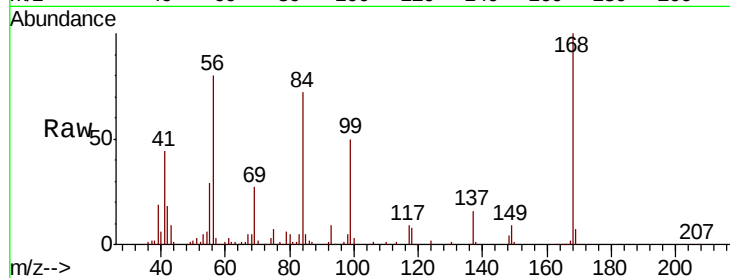
VSTDCCC050

Tot Ion:168 Resp: 378554

Ion Ratio Lower Upper

168 100

99 49.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

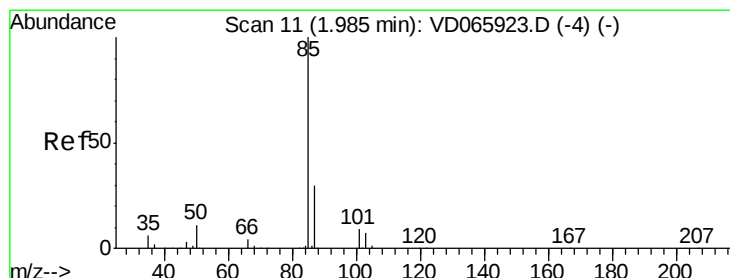
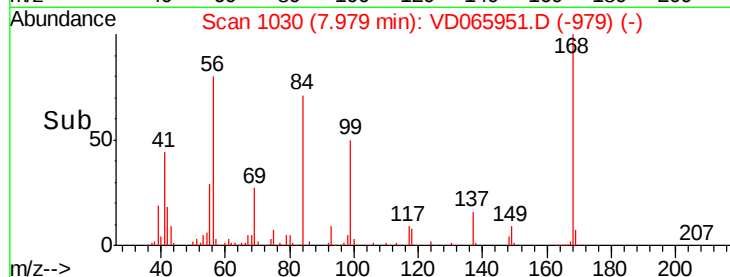
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.694 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065951.D

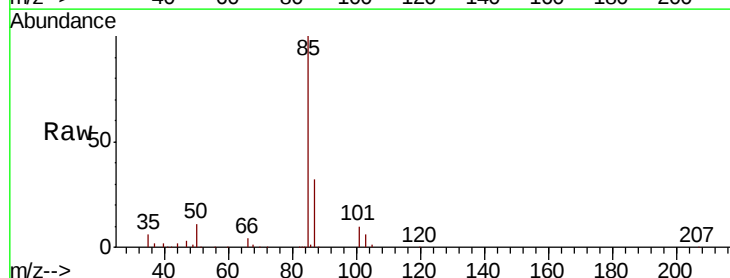
Acq: 16 Jul 2020 12:04

Tgt Ion: 85 Resp: 150411

Ion Ratio Lower Upper

85 100

87 32.1 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

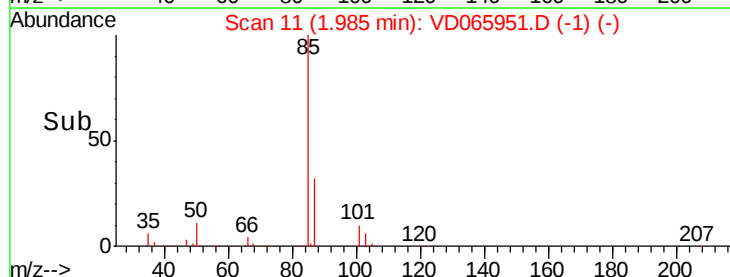
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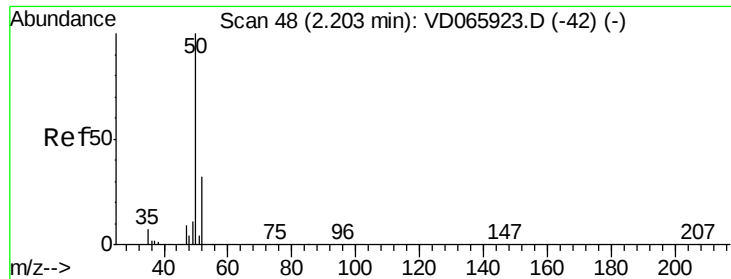
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 41.078 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

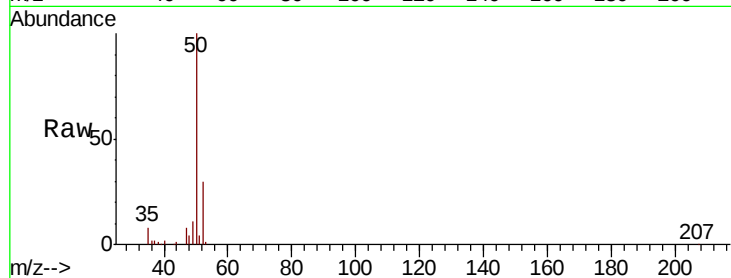
VSTDCCC050

Tot Ion: 50 Resp: 137042

Ion Ratio Lower Upper

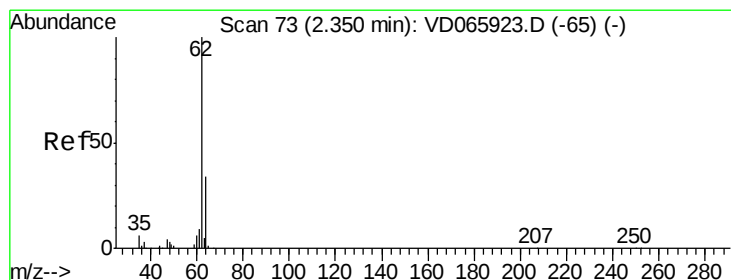
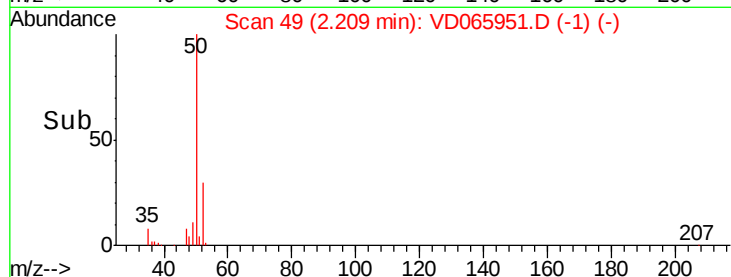
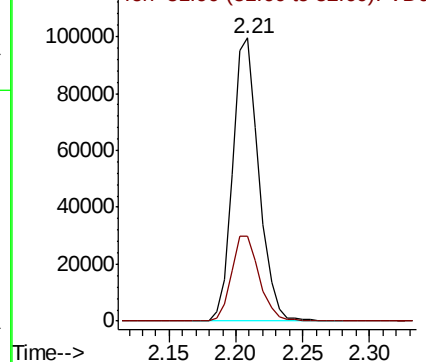
50 100

52 29.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.259 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065951.D

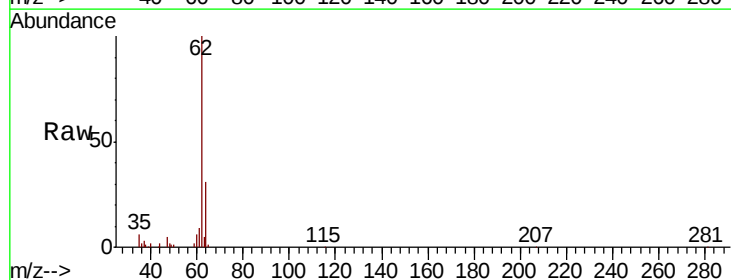
Acq: 16 Jul 2020 12:04

Tgt Ion: 62 Resp: 132512

Ion Ratio Lower Upper

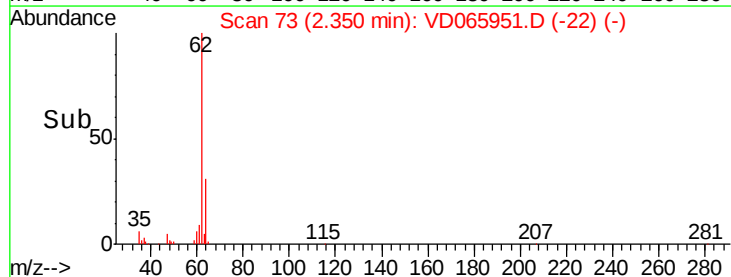
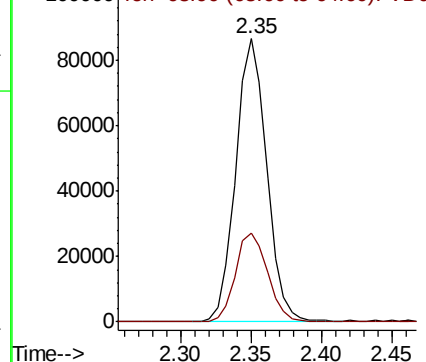
62 100

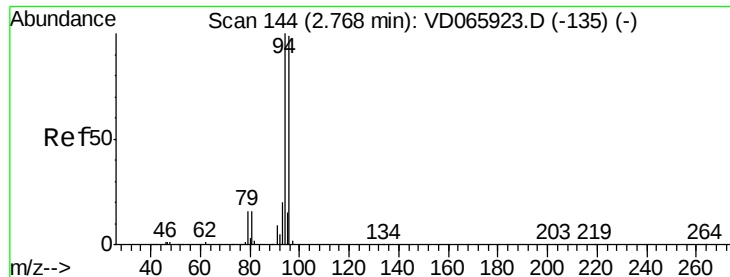
64 31.3 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.732 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

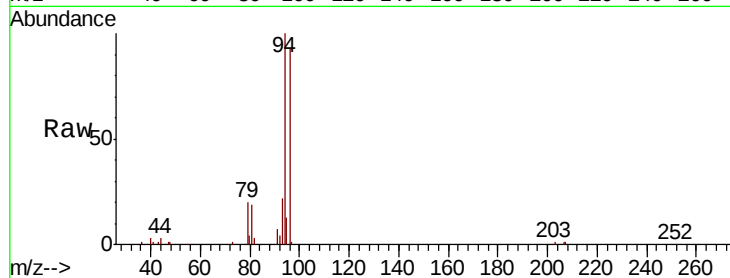
VSTDCCC050

Tot Ion: 94 Resp: 84856

Ion Ratio Lower Upper

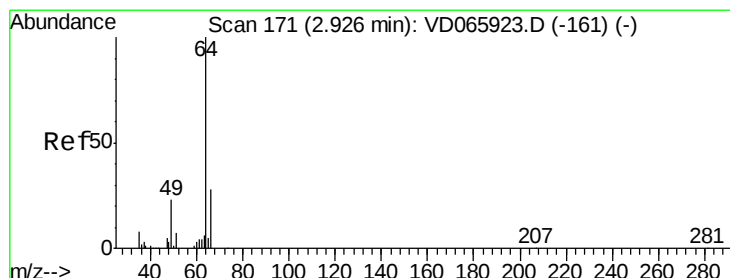
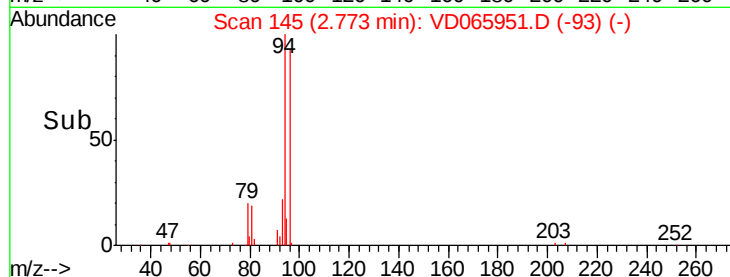
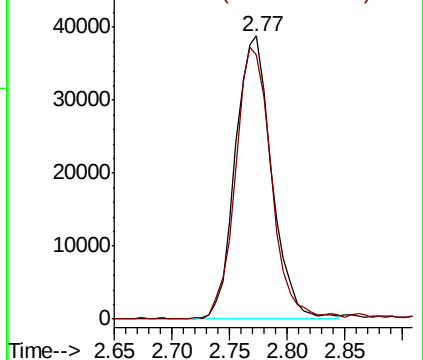
94 100

96 93.2 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.082 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065951.D

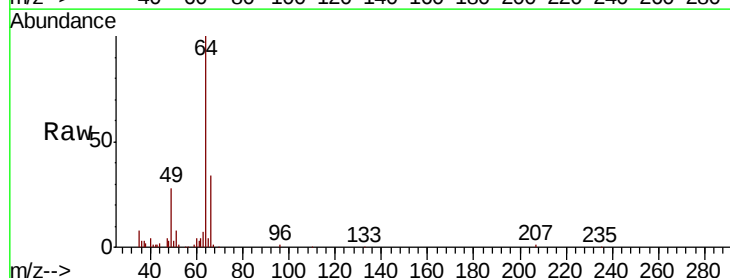
Acq: 16 Jul 2020 12:04

Tgt Ion: 64 Resp: 80719

Ion Ratio Lower Upper

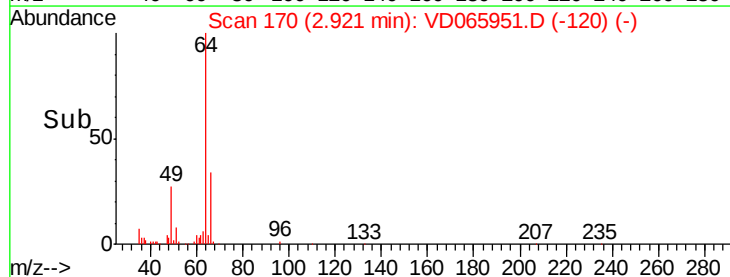
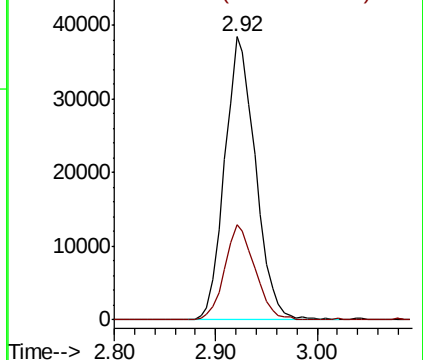
64 100

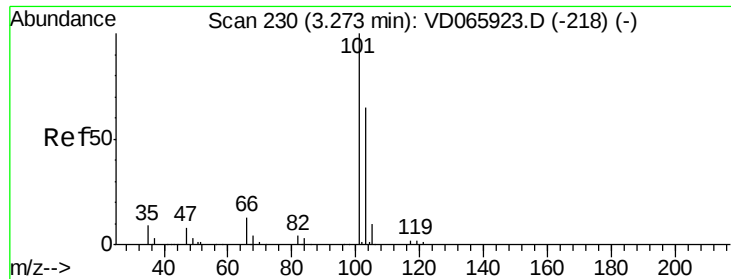
66 33.8 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



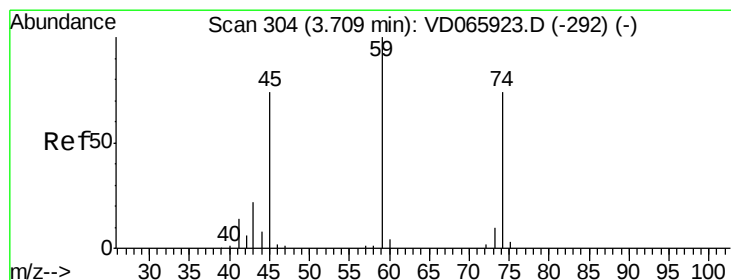
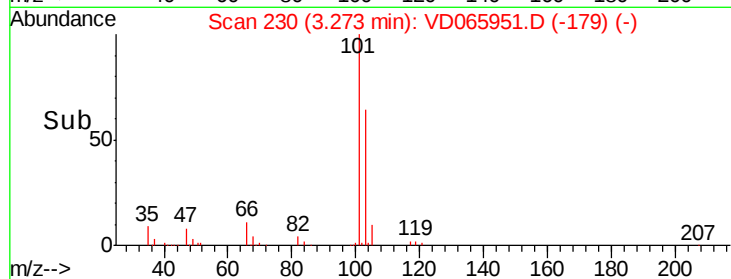
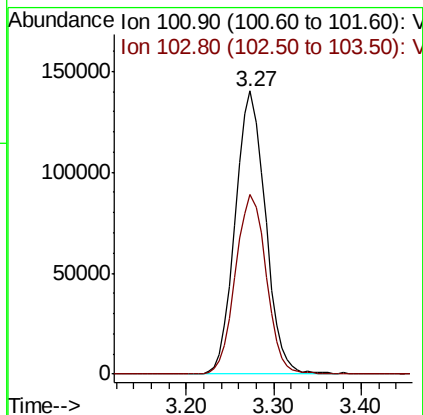
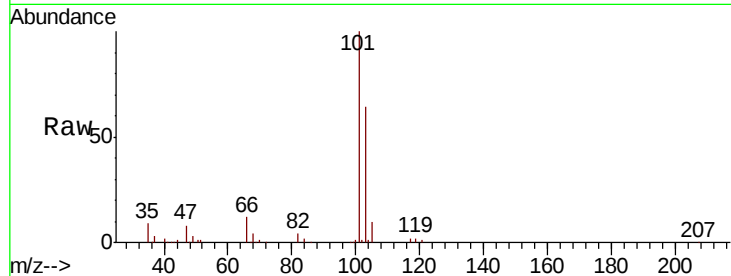


#7

Trichlorofluoromethane
 Concen: 49.900 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

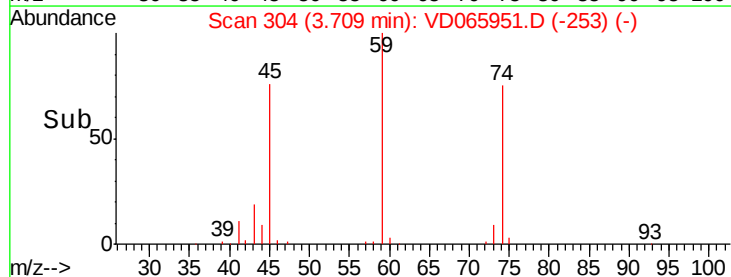
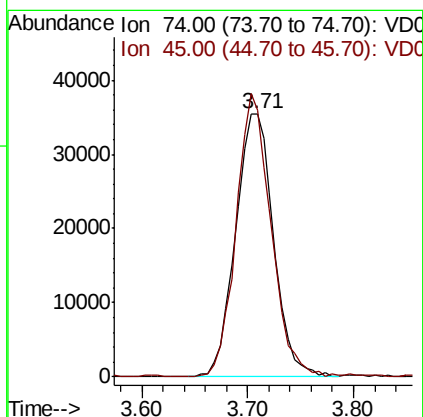
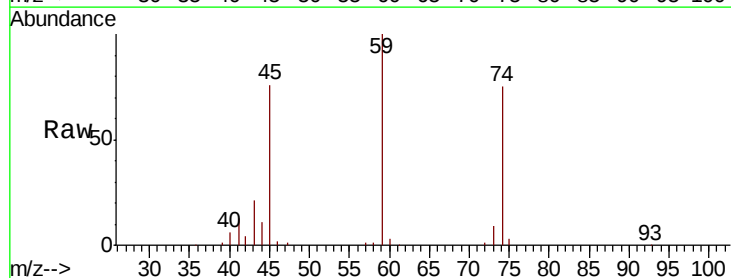
Tot Ion:101 Resp: 327605
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.7 77.5

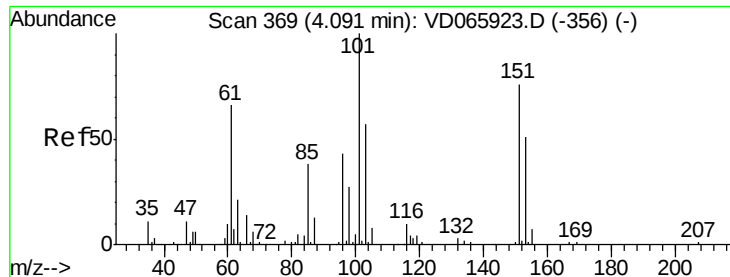


#8

Diethyl Ether
 Concen: 49.032 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion: 74 Resp: 88312
 Ion Ratio Lower Upper
 74 100
 45 98.6 51.1 153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.139 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

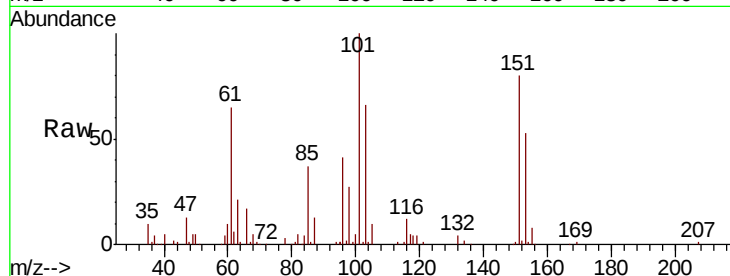
Tot Ion:101 Resp: 204752

Ion Ratio Lower Upper

101 100

85 40.6 33.8 50.8

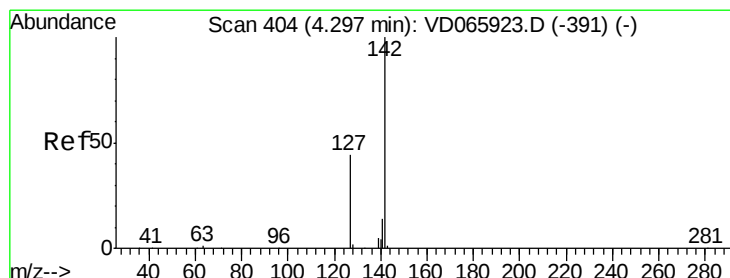
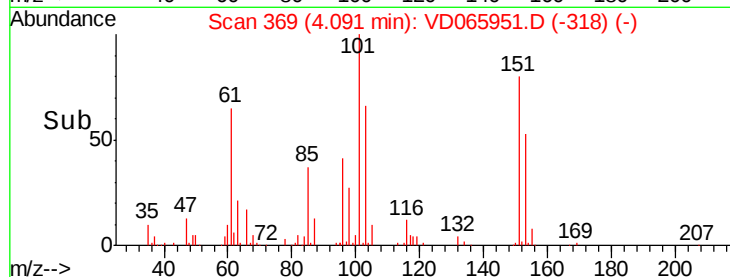
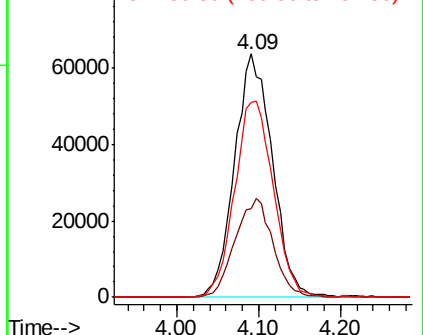
151 82.5 64.1 96.1



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: 52.987 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

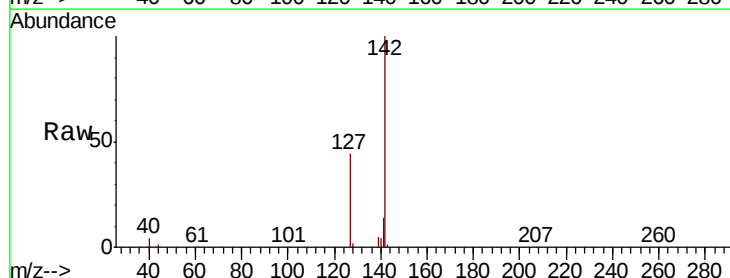
Tgt Ion:142 Resp: 219825

Ion Ratio Lower Upper

142 100

127 42.1 34.6 51.8

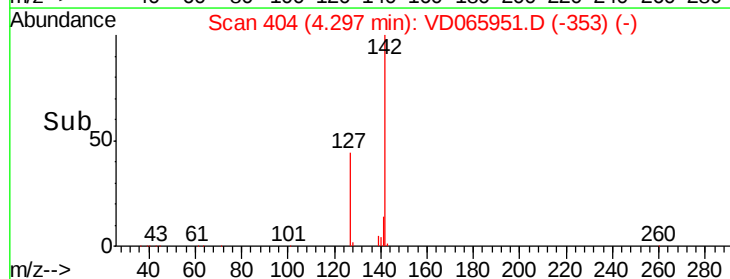
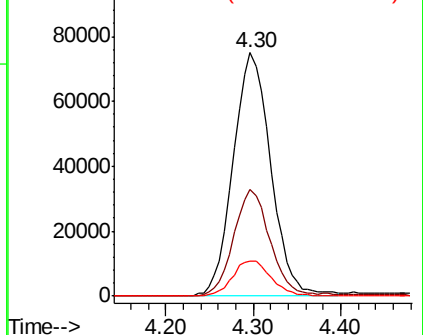
141 14.9 11.6 17.4

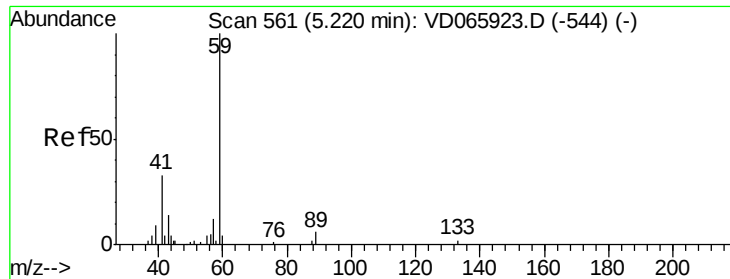


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



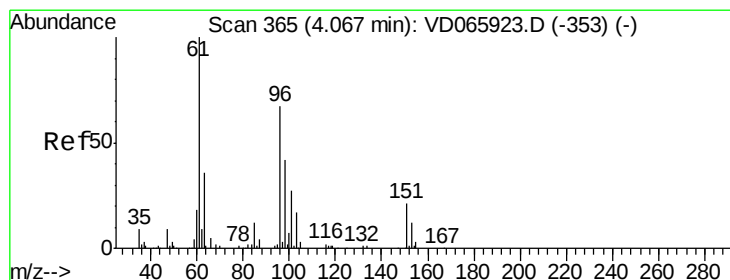
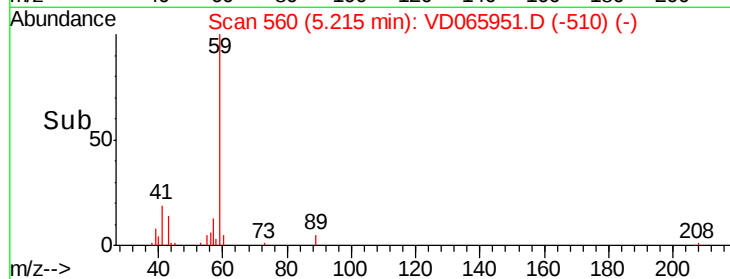
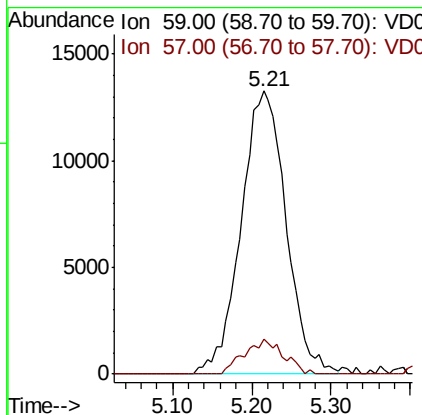
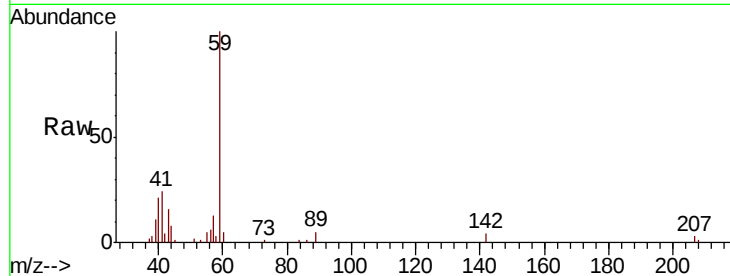


#11

Tert butyl alcohol
 Concen: 247.979 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

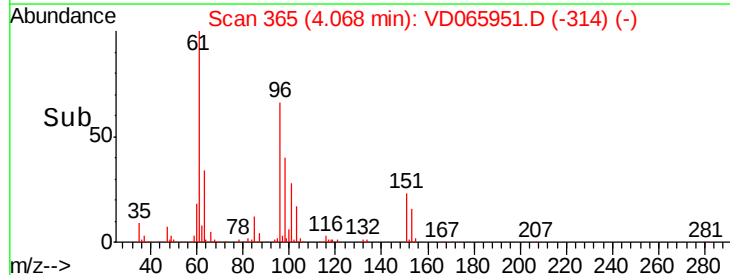
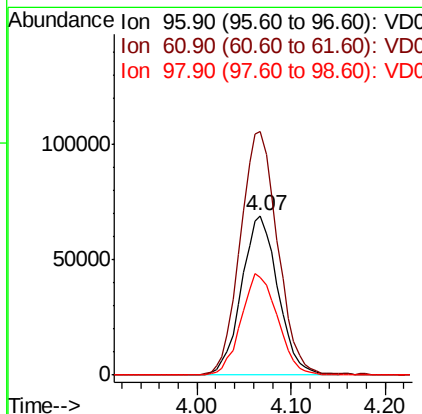
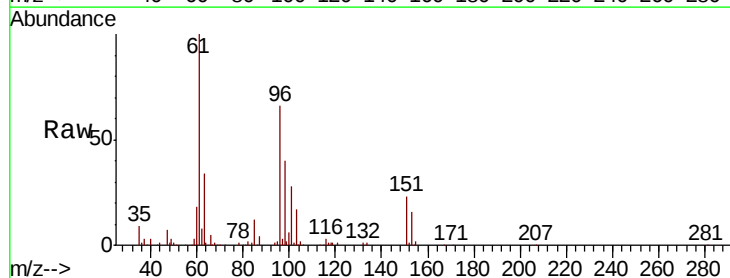
Tot Ion: 59 Resp: 52293
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.7 13.1

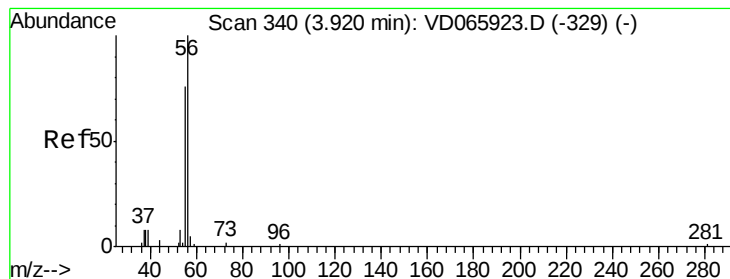


#12

1,1-Dichloroethene
 Concen: 50.783 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion: 96 Resp: 186309
 Ion Ratio Lower Upper
 96 100
 61 152.6 120.2 180.2
 98 61.1 50.6 76.0





#13

Acrolein

Concen: 234.731 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

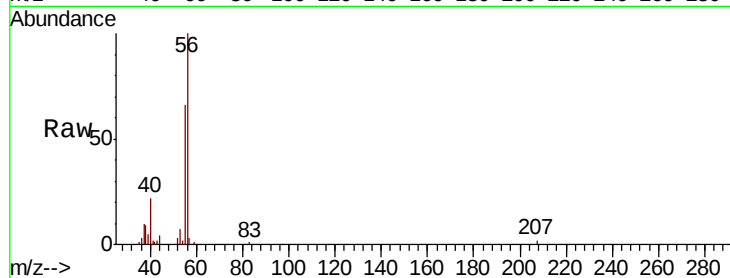
VSTDCCC050

Tot Ion: 56 Resp: 39777

Ion Ratio Lower Upper

56 100

55 70.6 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

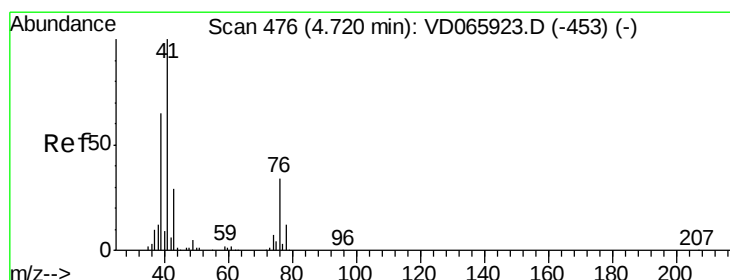
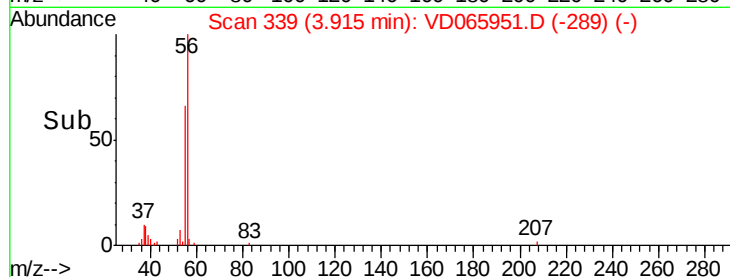
10000

5000

0

3.91

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 49.252 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

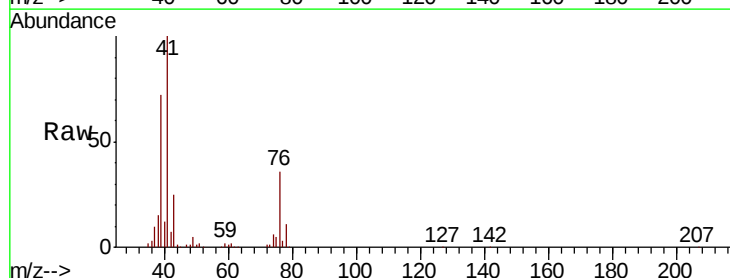
Tgt Ion: 41 Resp: 306208

Ion Ratio Lower Upper

41 100

39 66.9 52.2 78.4

76 35.7 28.1 42.1



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

120000

100000

80000

60000

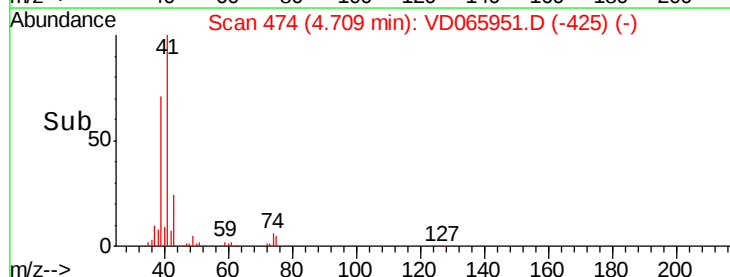
40000

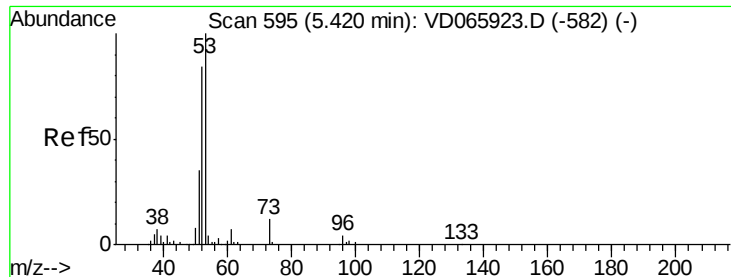
20000

0

4.71

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 250.802 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

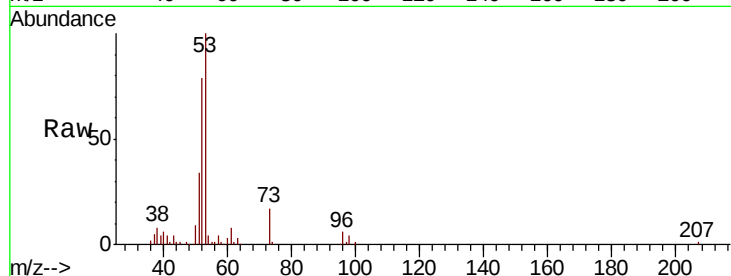
Tot Ion: 53 Resp: 197780

Ion Ratio Lower Upper

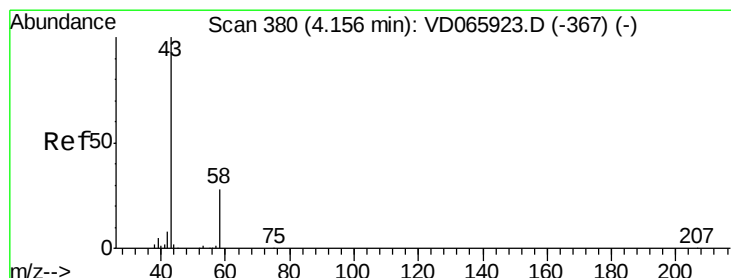
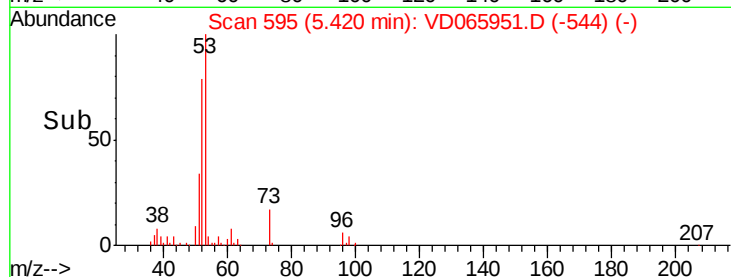
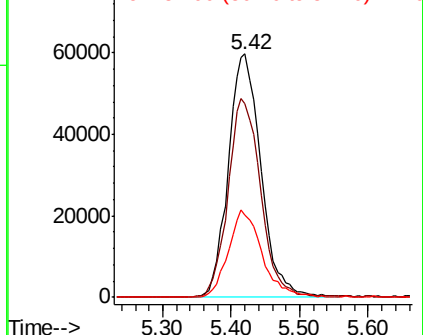
53 100

52 81.0 66.3 99.5

51 36.8 29.8 44.8



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: 285.828 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065951.D

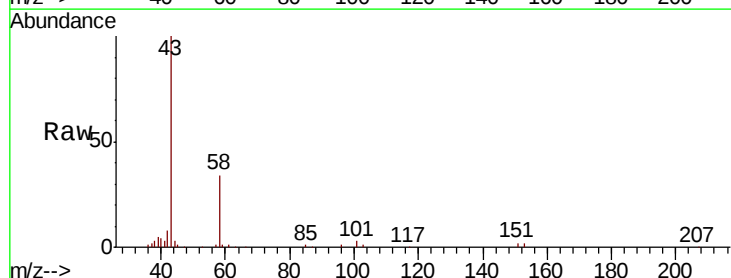
Acq: 16 Jul 2020 12:04

Tgt Ion: 43 Resp: 224729

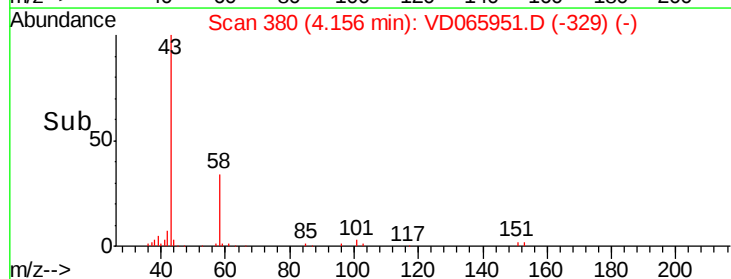
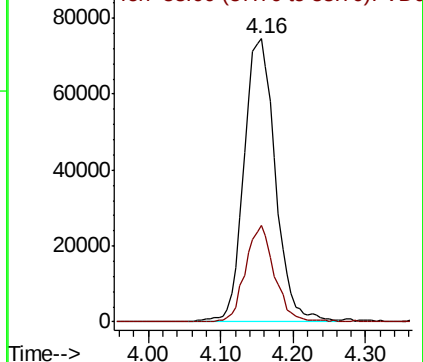
Ion Ratio Lower Upper

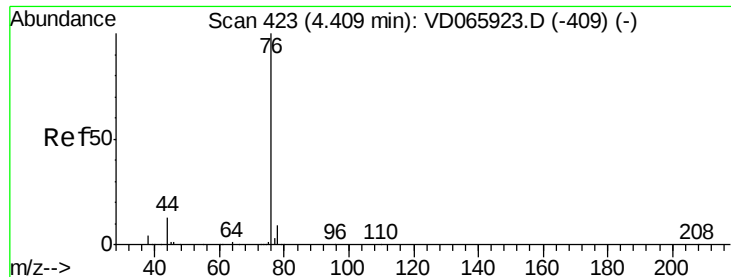
43 100

58 34.1 22.7 34.1#



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

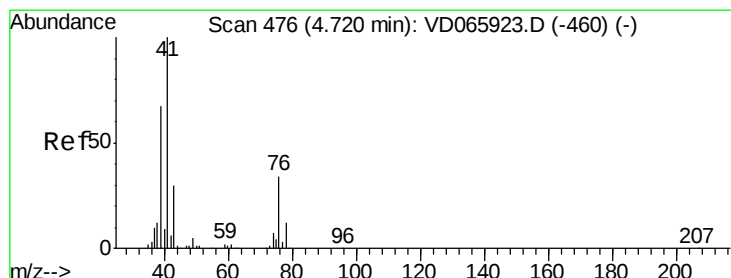
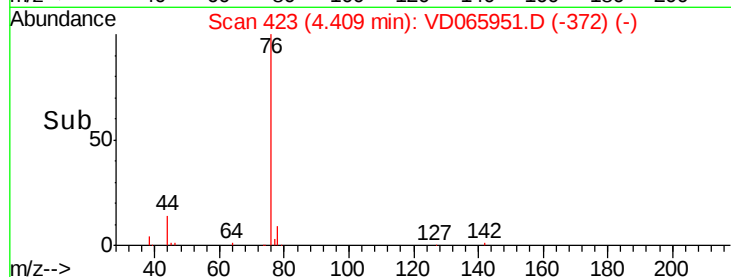
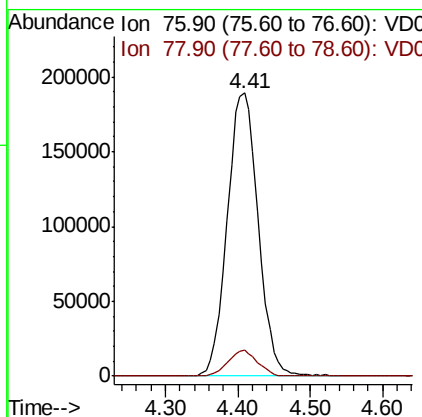
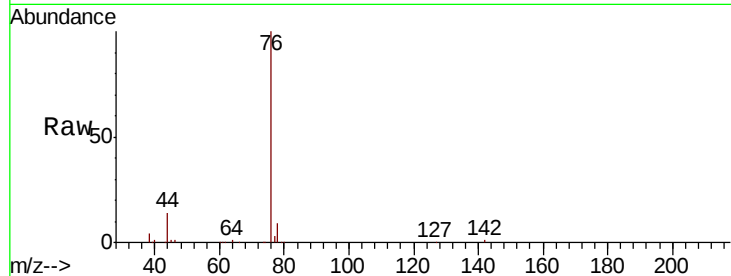




#17
Carbon Disulfide
Concen: 47.949 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

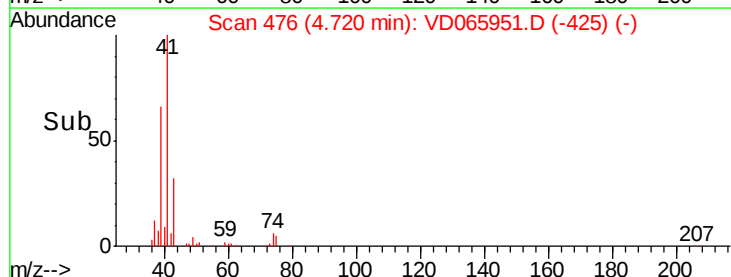
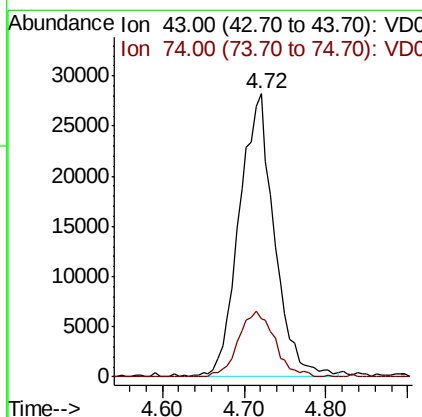
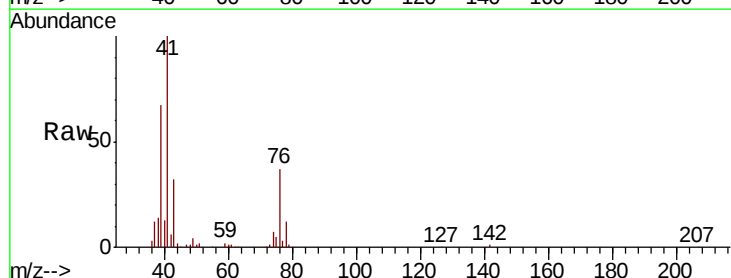
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

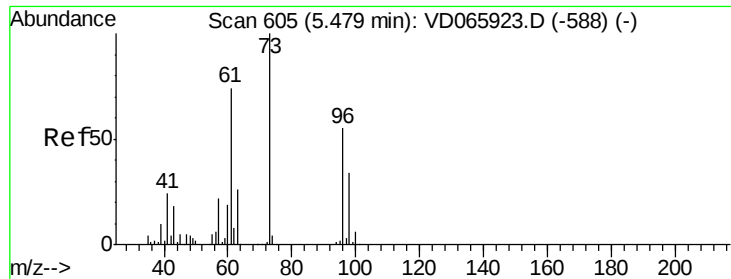
Tot Ion: 76 Resp: 560505
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 45.801 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 43 Resp: 84412
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.8

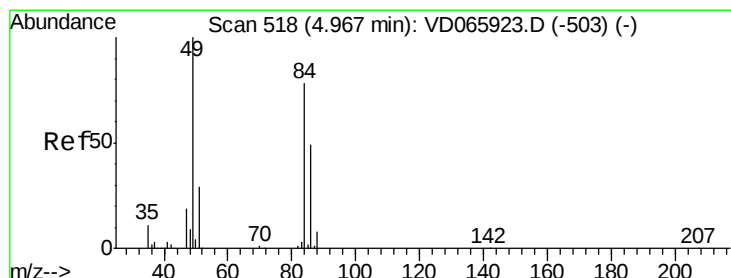
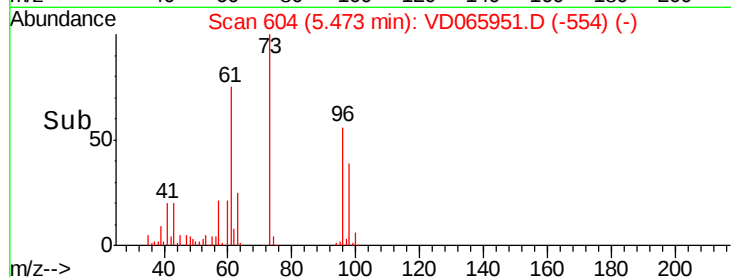
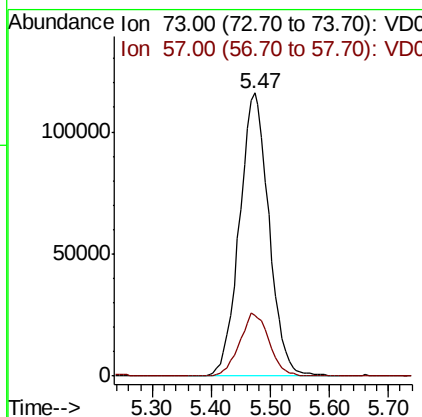
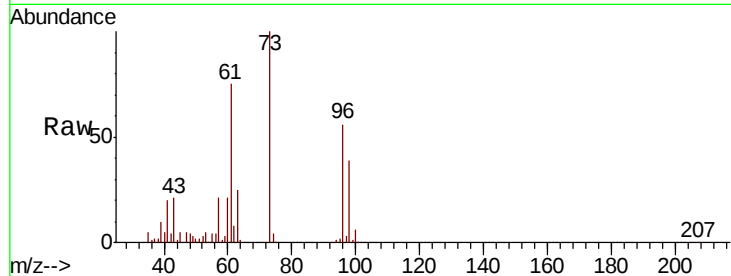




#19
Methvl tert-butvl Ether
Concen: 52.019 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

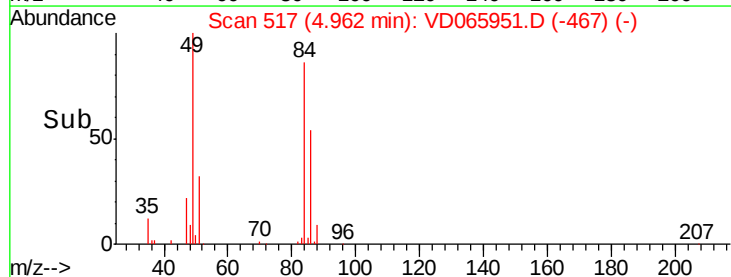
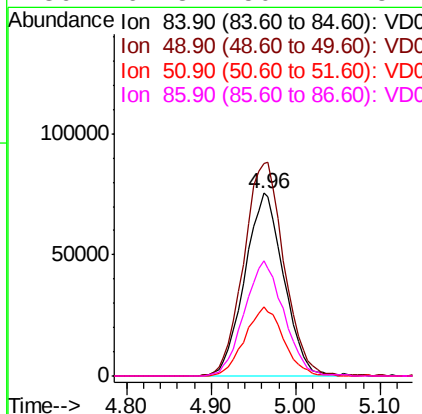
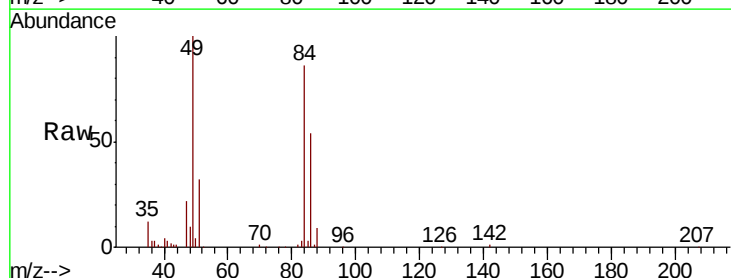
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

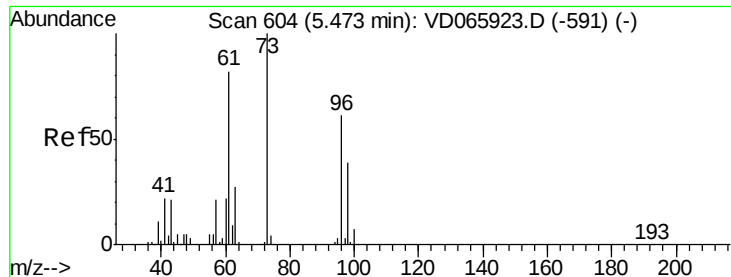
Tot Ion: 73 Resp: 404034
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5



#20
Methylene Chloride
Concen: 57.153 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 84 Resp: 242055
Ion Ratio Lower Upper
84 100
49 116.6 102.2 153.2
51 37.5 29.8 44.6
86 62.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 51.246 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

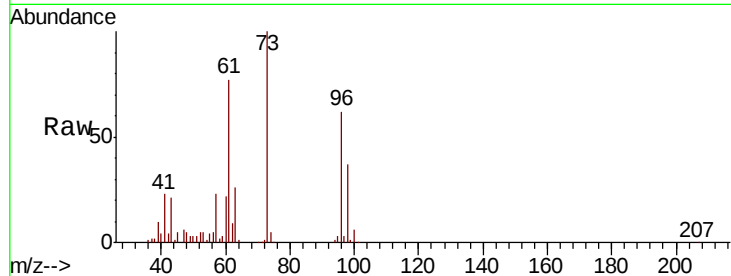
Tot Ion: 96 Resp: 211528

Ion Ratio Lower Upper

96 100

61 124.6 106.6 160.0

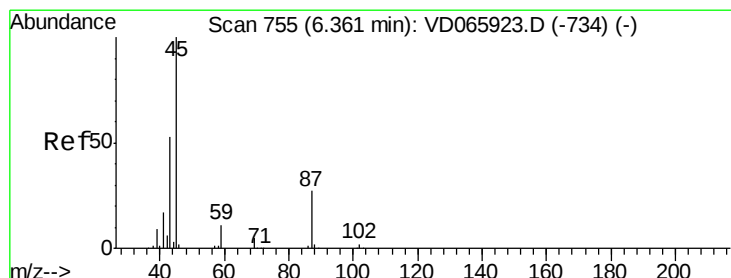
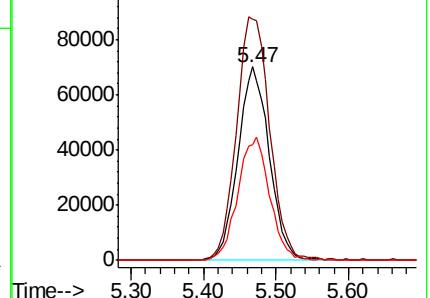
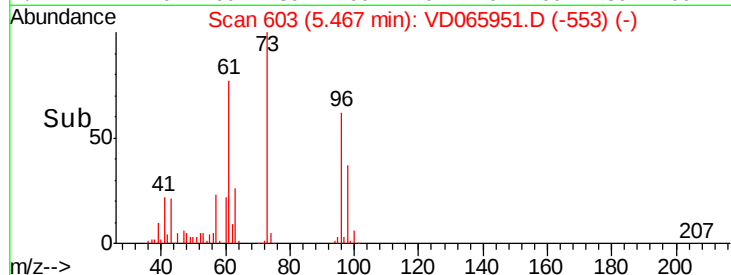
98 59.4 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 50.155 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Tgt Ion: 45 Resp: 585999

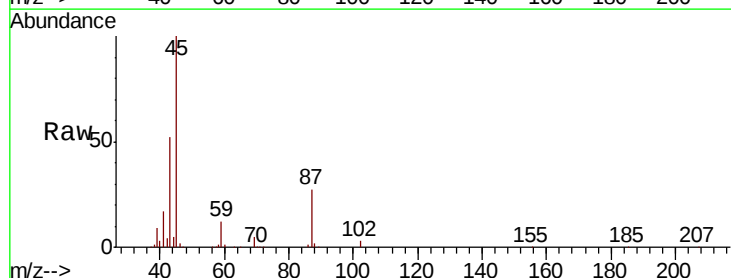
Ion Ratio Lower Upper

45 100

43 51.6 42.5 63.7

87 27.3 22.2 33.2

59 11.7 8.9 13.3

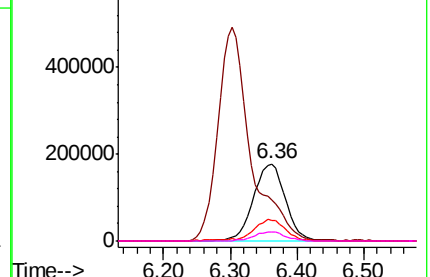
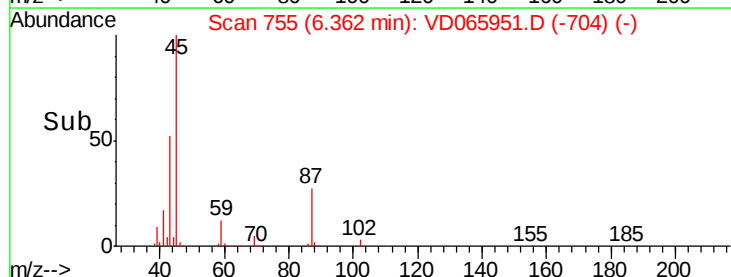


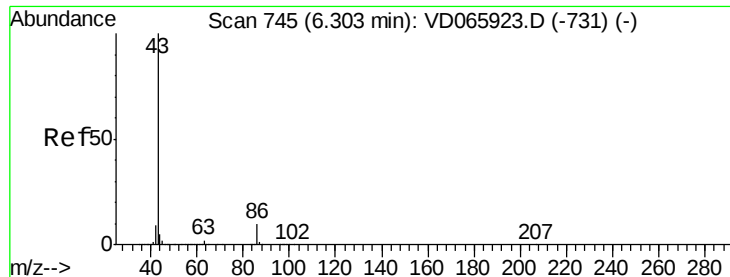
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 253.586 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

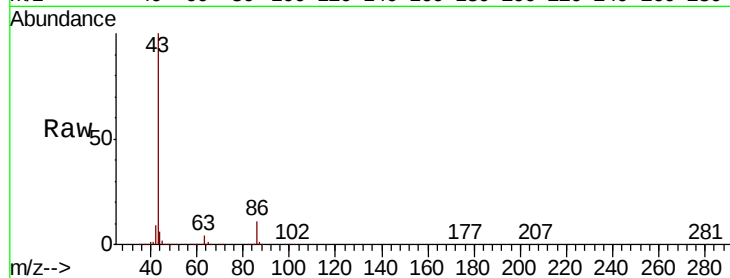
VSTDCCC050

Tot Ion: 43 Resp: 1691181

Ion Ratio Lower Upper

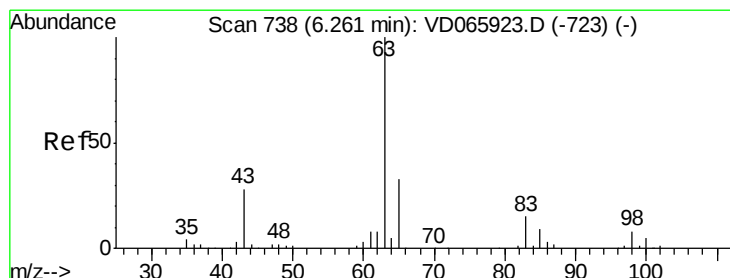
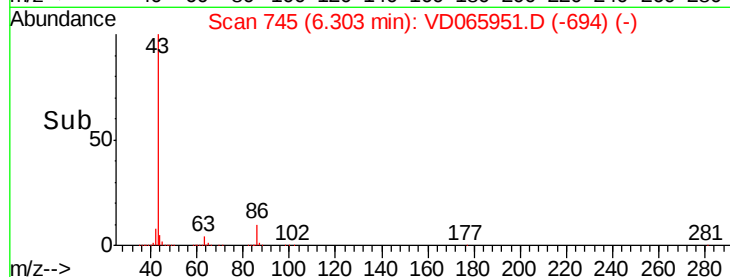
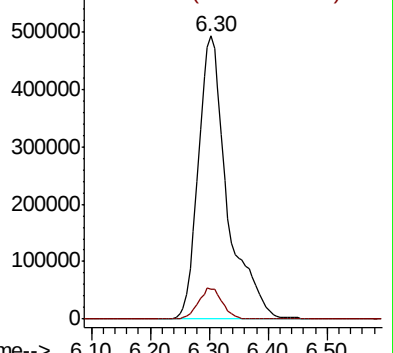
43 100

86 10.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.411 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

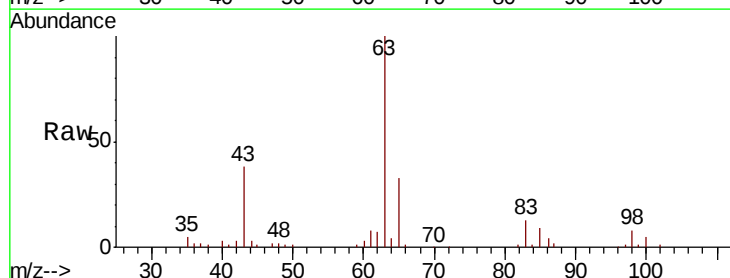
Tgt Ion: 63 Resp: 351208

Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.4

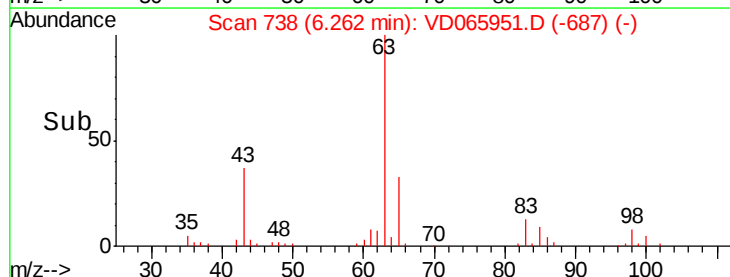
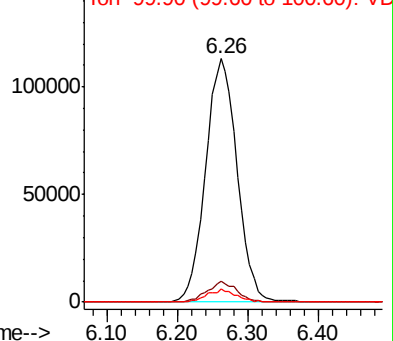
100 5.3 2.5 7.5

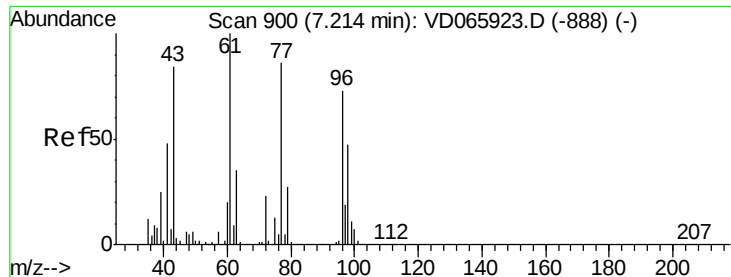


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 254.573 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

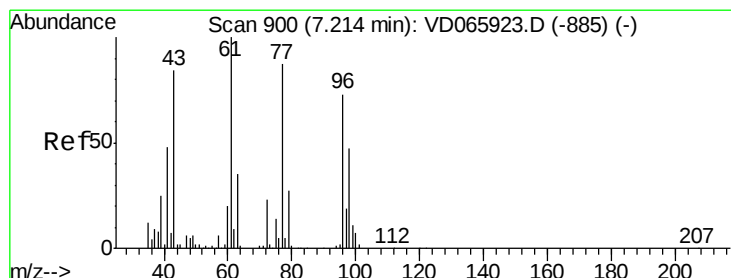
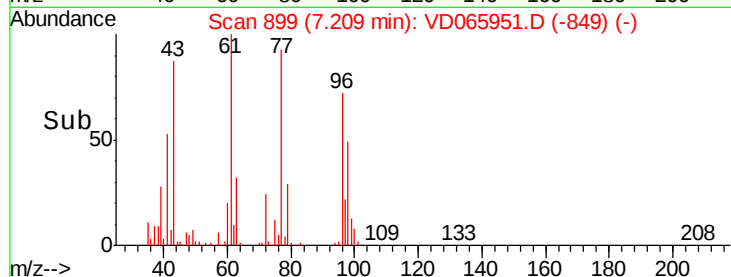
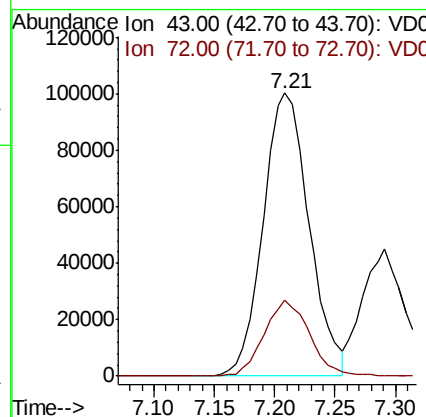
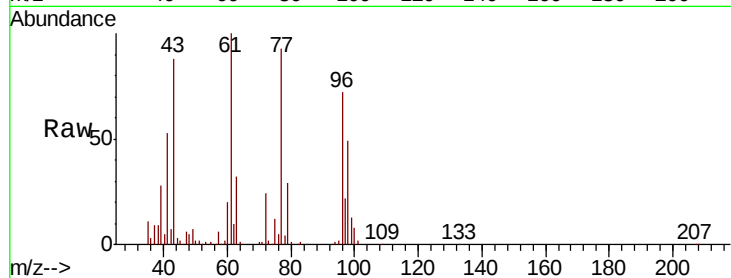
VSTDCCC050

Tot Ion: 43 Resp: 264485

Ion Ratio Lower Upper

43 100

72 27.1 22.1 33.1



#26

2,2-Dichloropropane

Concen: 53.226 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065951.D

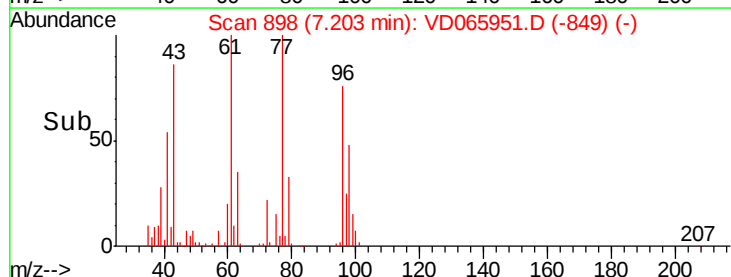
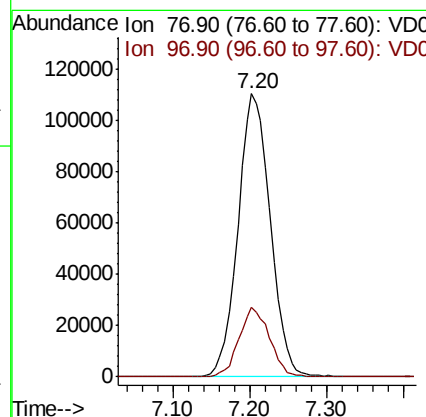
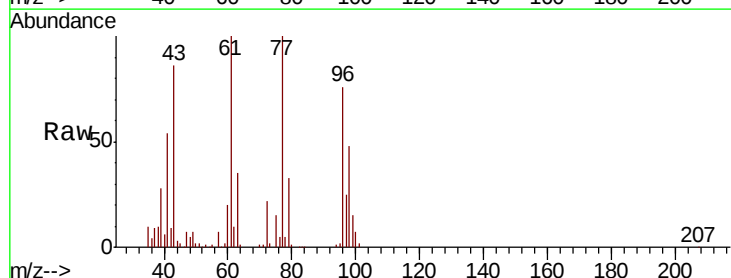
Acq: 16 Jul 2020 12:04

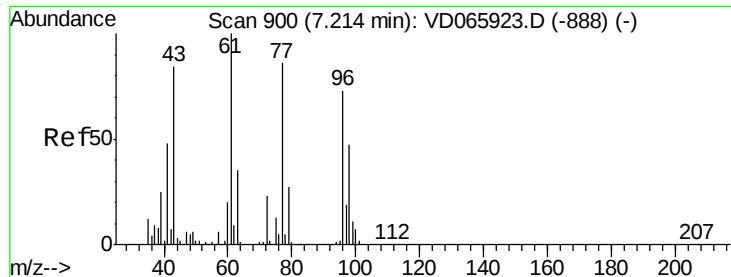
Tgt Ion: 77 Resp: 324399

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8



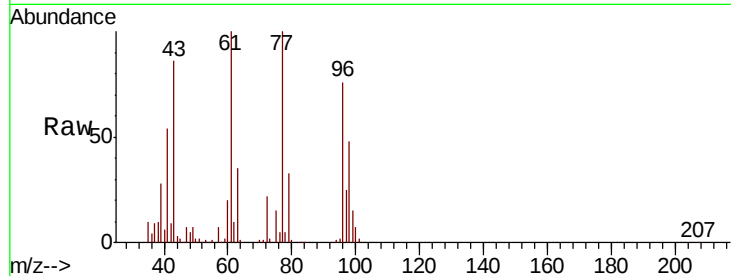


#27

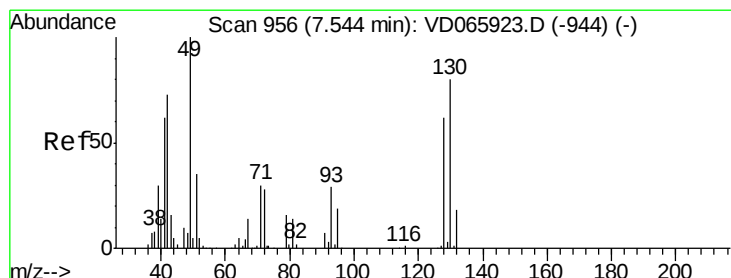
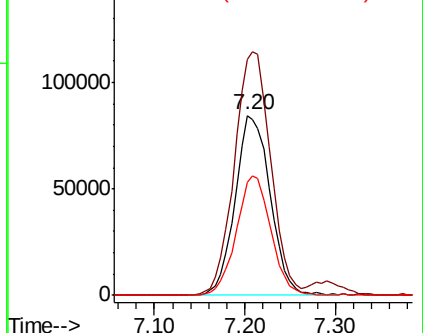
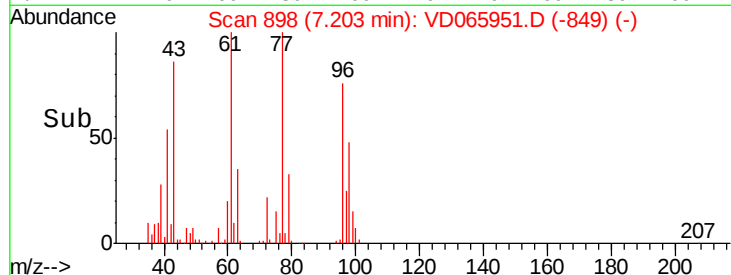
cis-1,2-Dichloroethene
 Concen: 51.383 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 227885
 Ion Ratio Lower Upper
 96 100
 61 139.3 0.0 286.6
 98 65.2 0.0 128.2



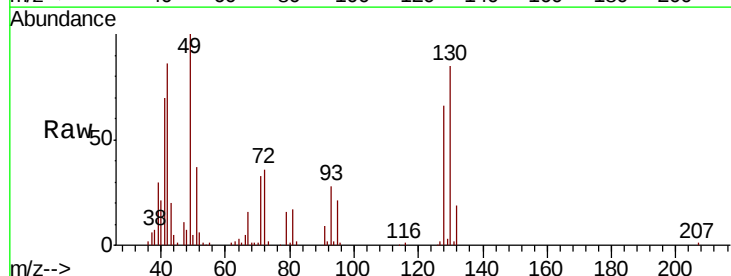
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



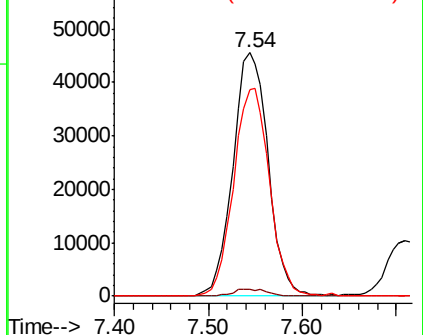
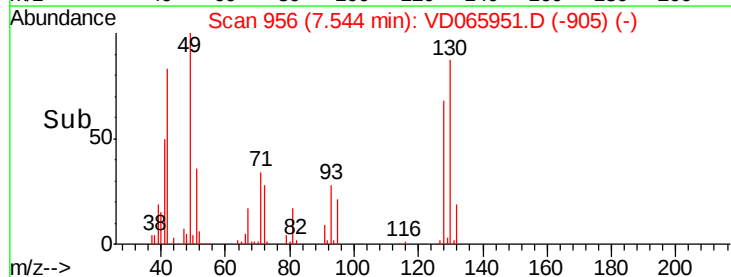
#28

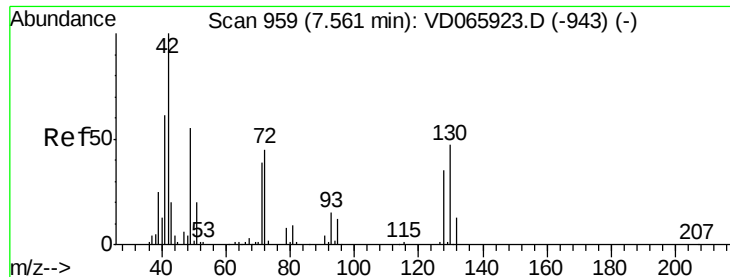
Bromochloromethane
 Concen: 45.054 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion: 49 Resp: 118575
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 4.8
 130 86.6 65.8 98.8



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

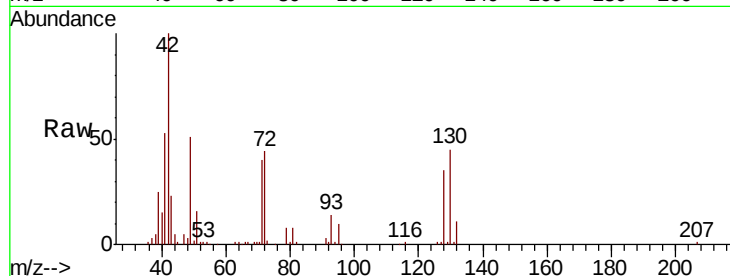




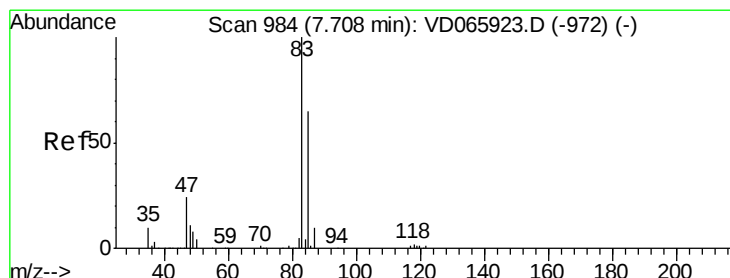
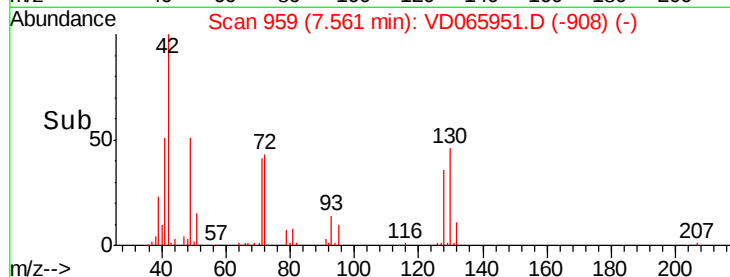
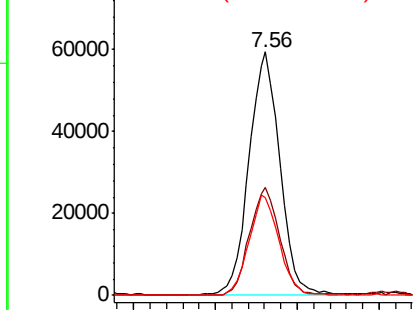
#29
Tetrahydrofuran
Concen: 237.572 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 156950
Ion Ratio Lower Upper
42 100
72 42.9 32.8 49.2
71 39.9 31.0 46.4

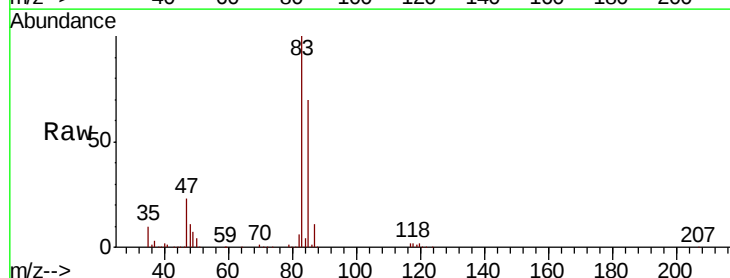


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

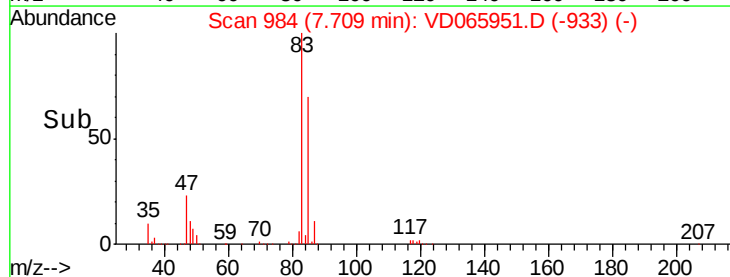
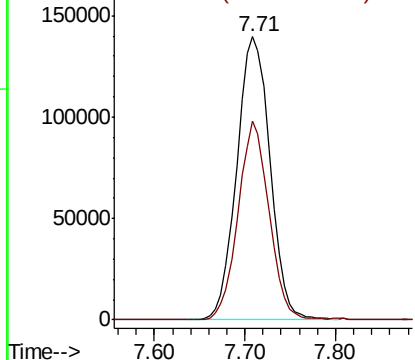


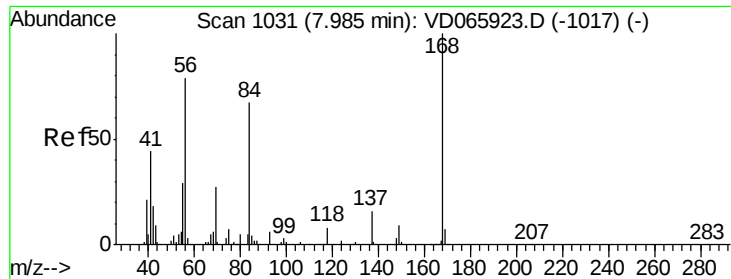
#30
Chloroform
Concen: 50.491 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 83 Resp: 356617
Ion Ratio Lower Upper
83 100
85 70.1 51.6 77.4



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

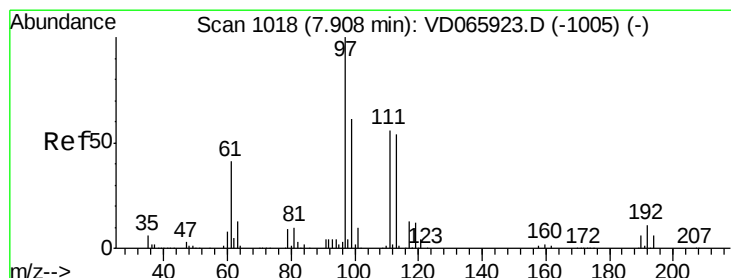
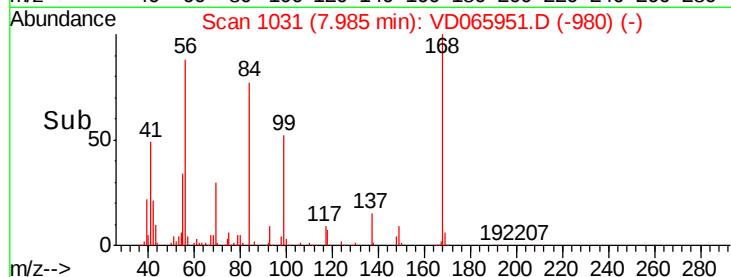
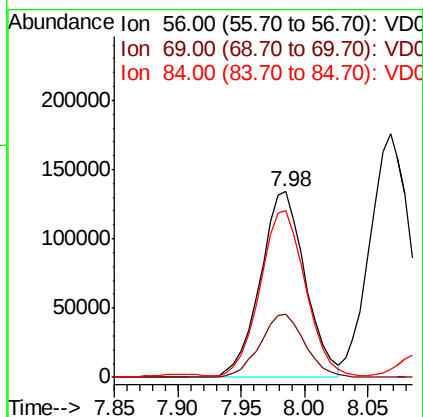
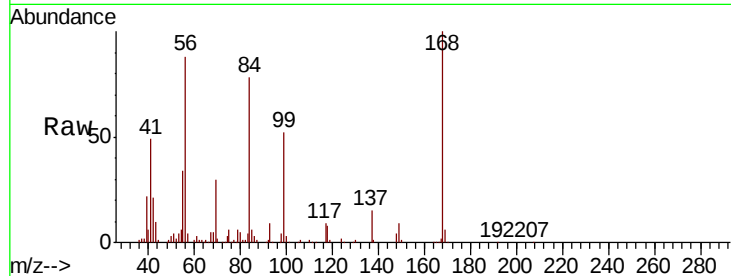




#31
Cyclohexane
Concen: 48.353 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

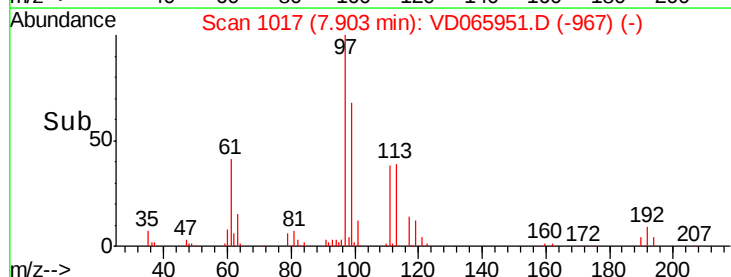
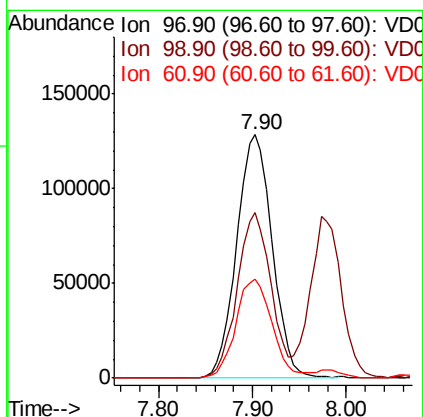
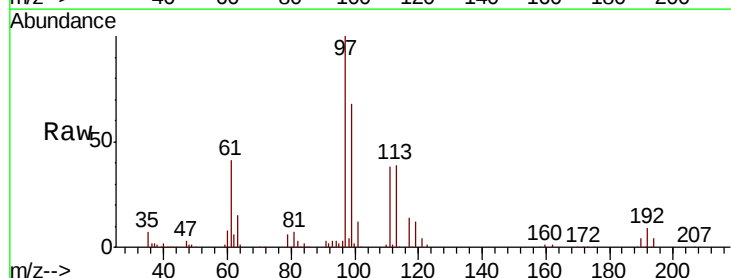
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

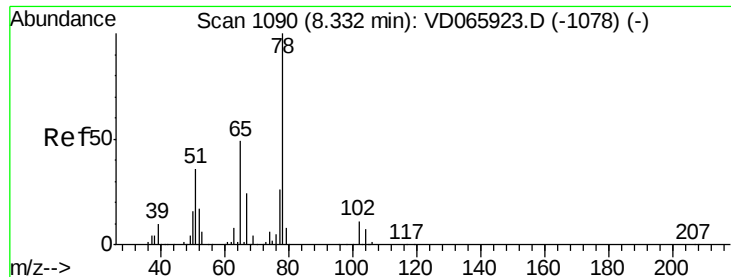
Tot Ion: 56 Resp: 331451
Ion Ratio Lower Upper
56 100
69 33.9 27.4 41.0
84 87.9 68.6 102.8



#32
1,1,1-Trichloroethane
Concen: 52.428 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 97 Resp: 337928
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 41.6 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 42.403 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

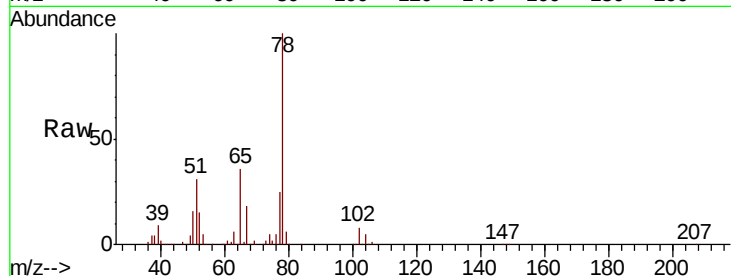
VSTDCCC050

Tot Ion: 65 Resp: 142254

Ion Ratio Lower Upper

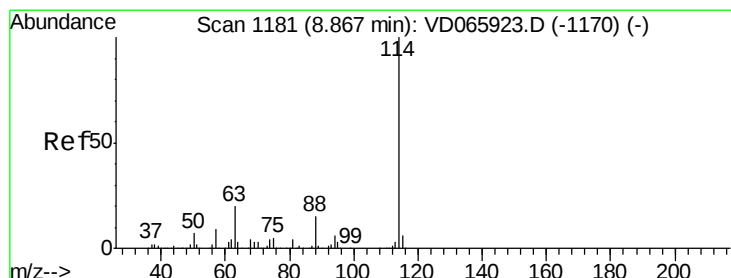
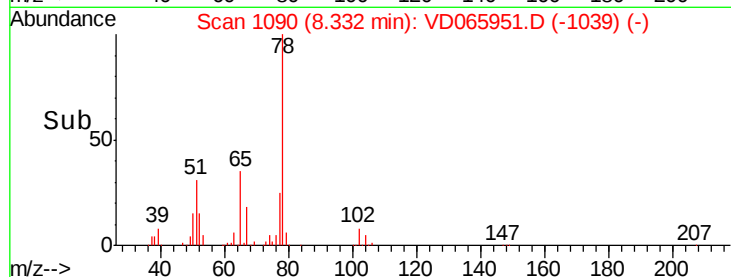
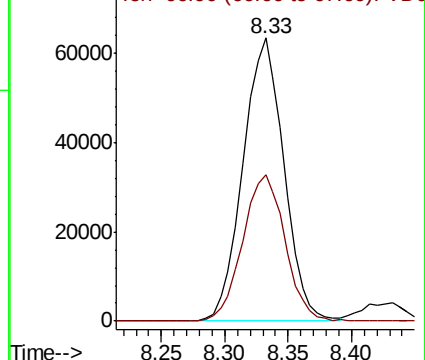
65 100

67 53.6 0.0 105.6



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: VD065951.D

Acq: 16 Jul 2020 12:04

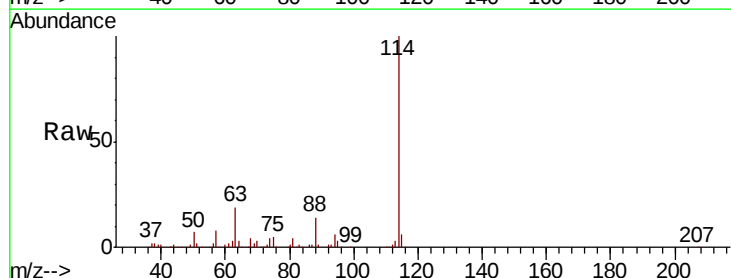
Tgt Ion: 114 Resp: 546462

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

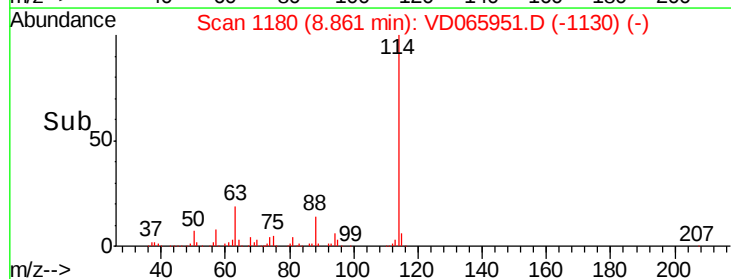
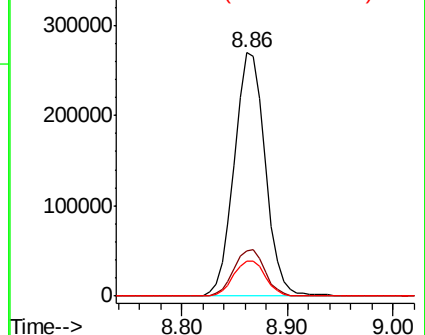
88 14.5 0.0 30.0

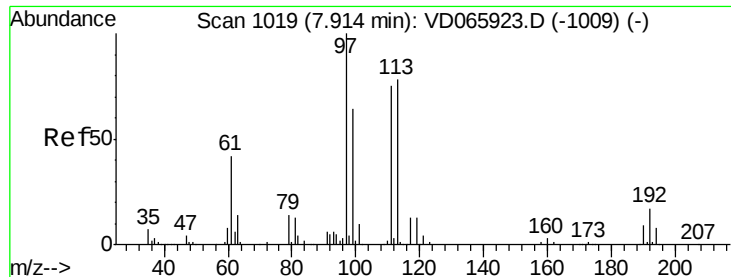


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

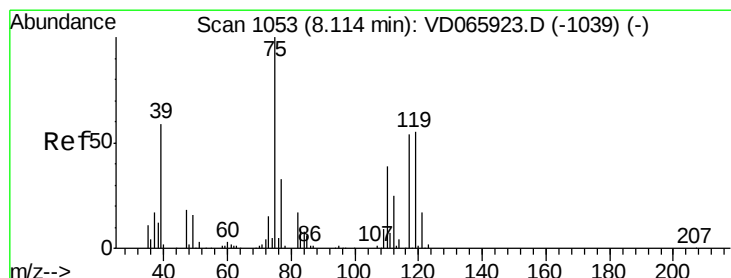
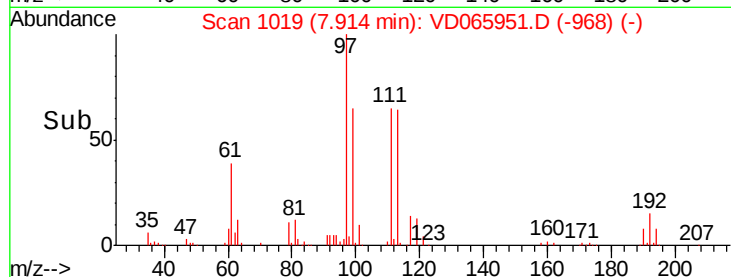
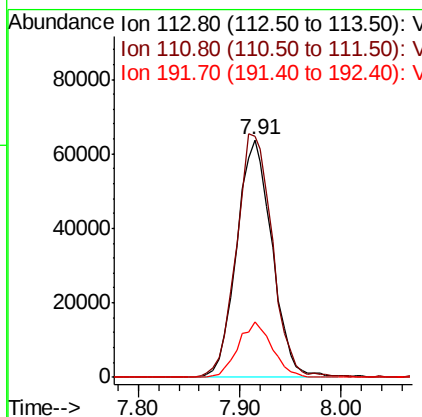
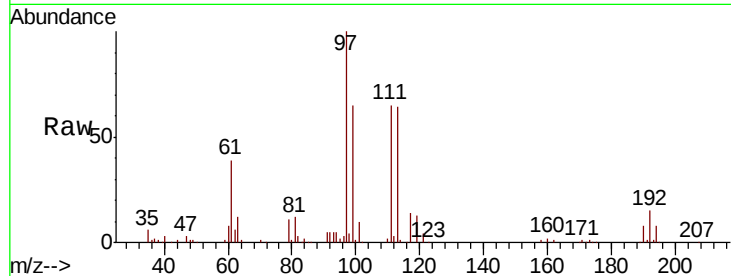




#35
 Dibromofluoromethane
 Concen: 45.805 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

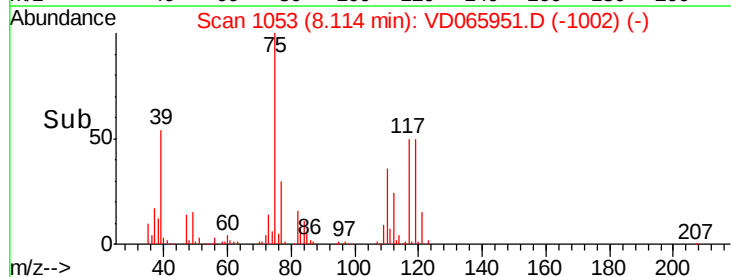
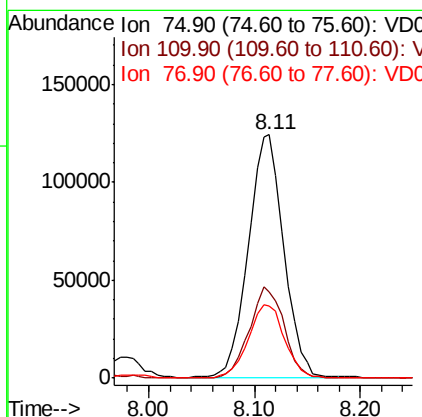
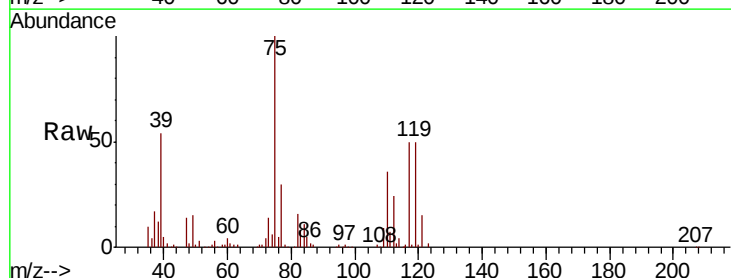
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

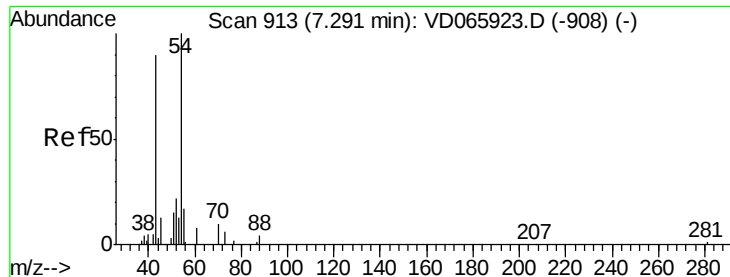
Tot Ion:113 Resp: 154413
 Ion Ratio Lower Upper
 113 100
 111 104.0 80.9 121.3
 192 22.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 54.098 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion: 75 Resp: 291972
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.5 55.5
 77 30.8 25.6 38.4

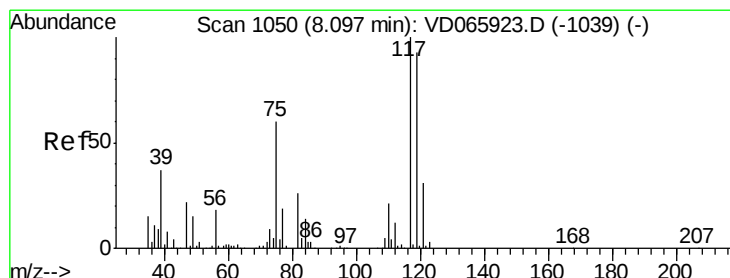
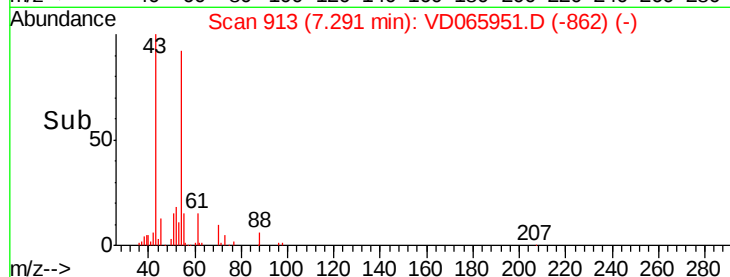
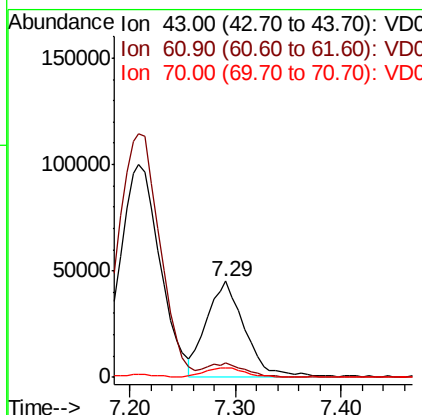
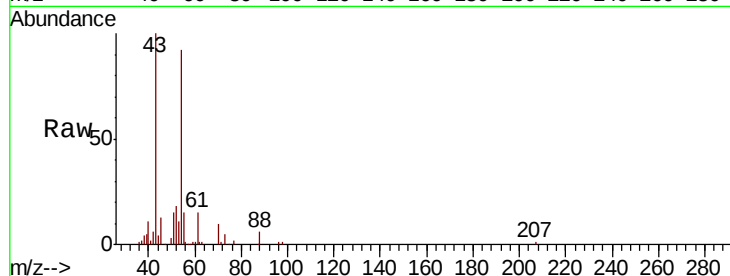




#37
Ethyl Acetate
Concen: 49.233 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

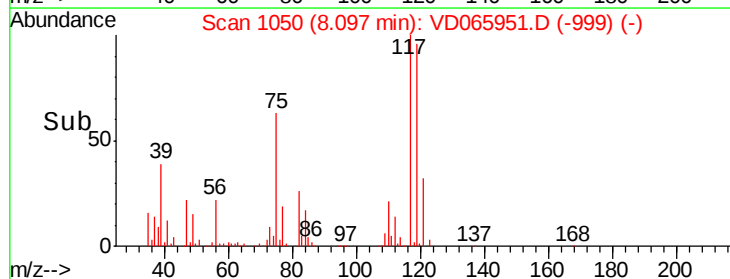
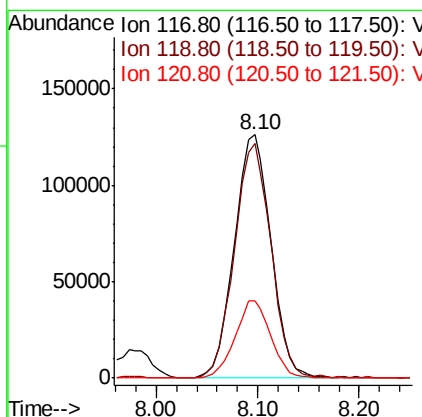
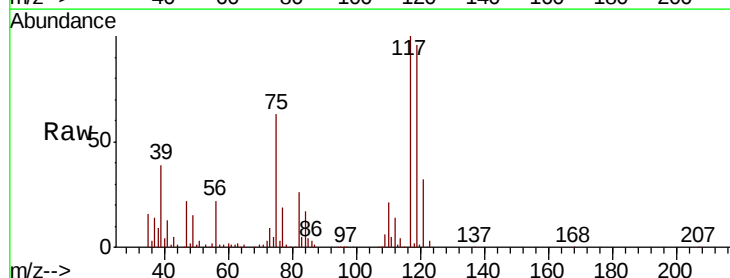
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

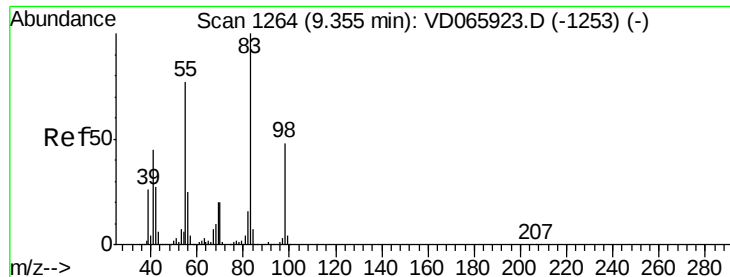
Tot Ion: 43 Resp: 111335
Ion Ratio Lower Upper
43 100
61 15.7 9.4 14.0#
70 10.9 8.3 12.5



#38
Carbon Tetrachloride
Concen: 54.383 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 117 Resp: 314594
Ion Ratio Lower Upper
117 100
119 96.4 74.7 112.1
121 32.1 24.9 37.3

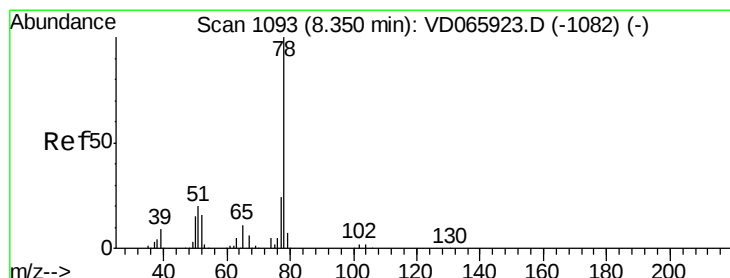
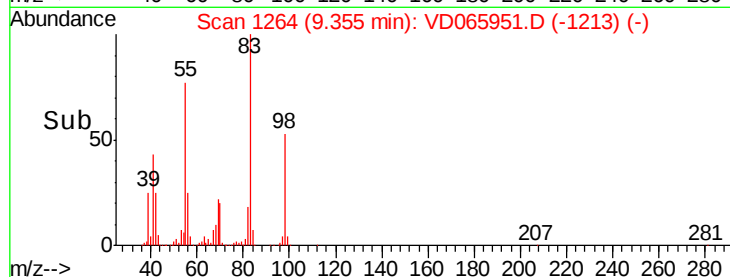
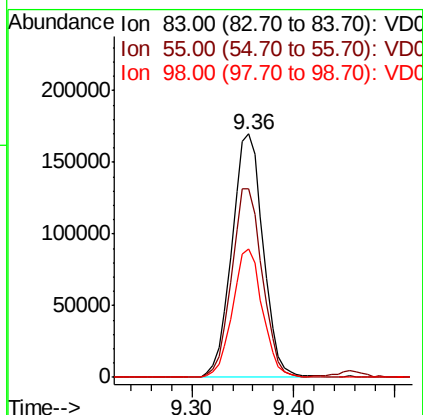
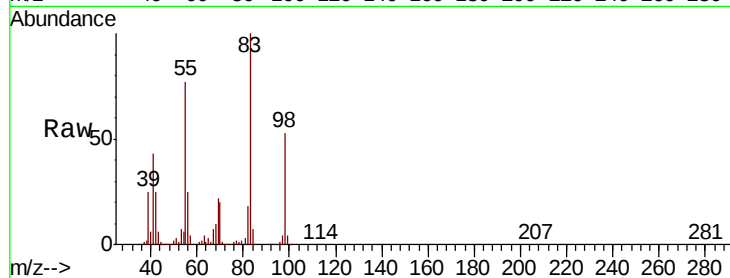




#39
Methvlcvclohexane
Concen: 54.883 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

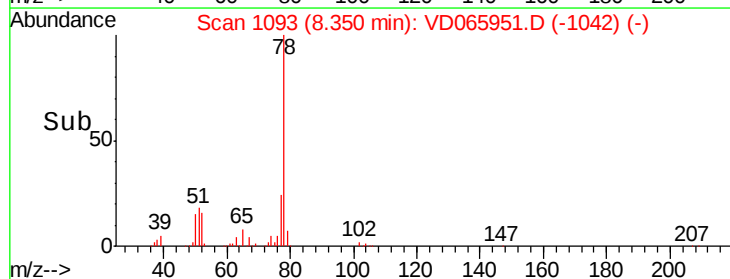
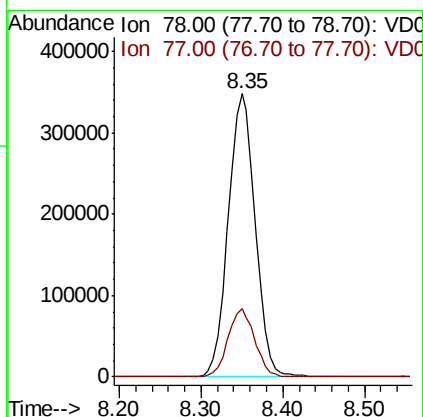
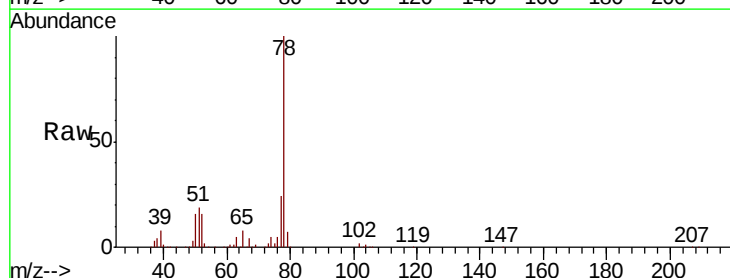
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

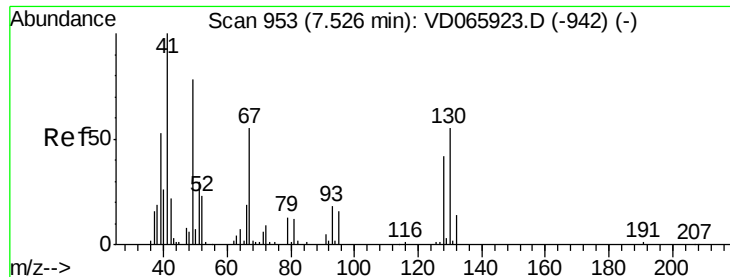
Tot Ion: 83 Resp: 363661
Ion Ratio Lower Upper
83 100
55 77.4 61.7 92.5
98 52.9 38.6 58.0



#40
Benzene
Concen: 53.560 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 78 Resp: 798593
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0

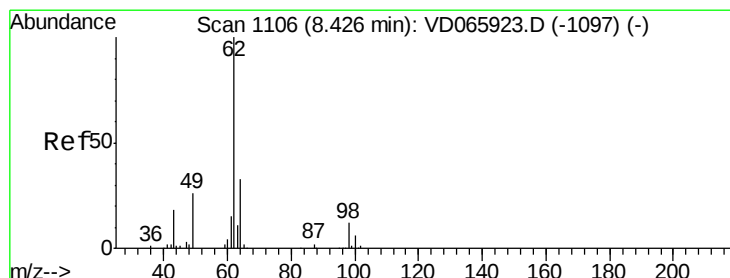
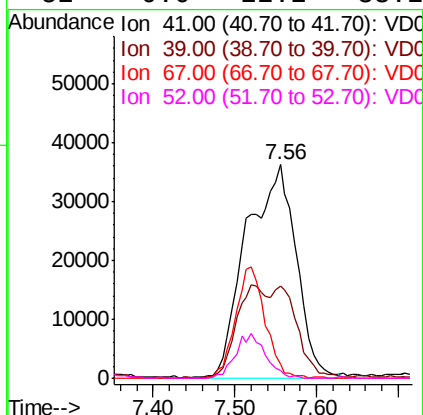
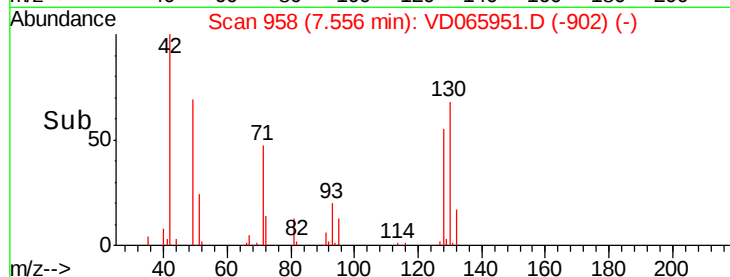
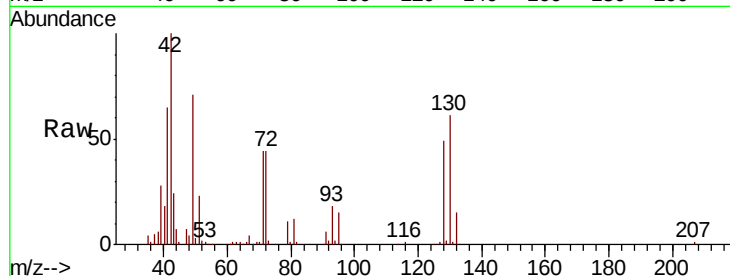




#41
Methacrylonitrile
Concen: 116.865 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

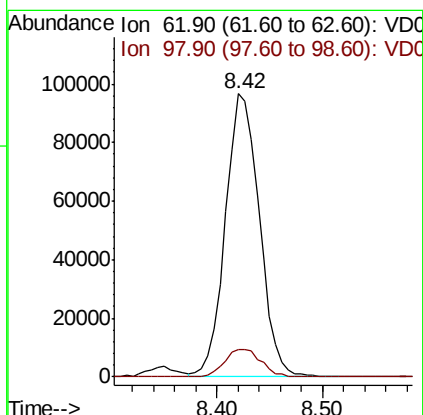
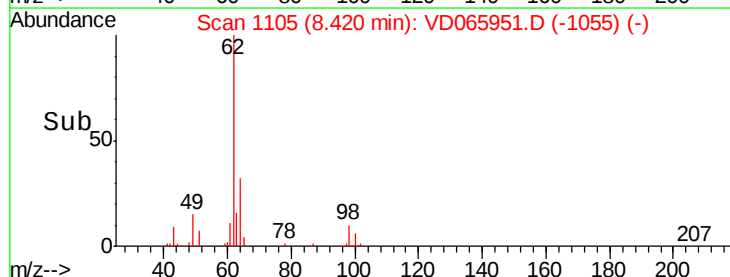
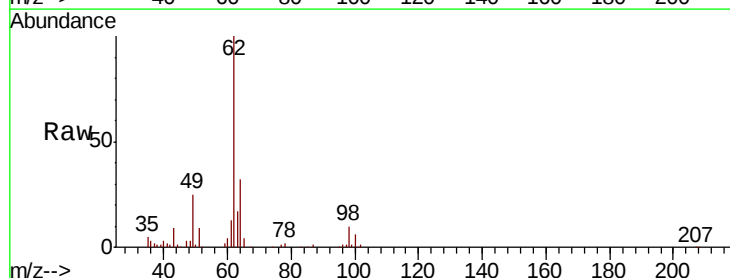
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

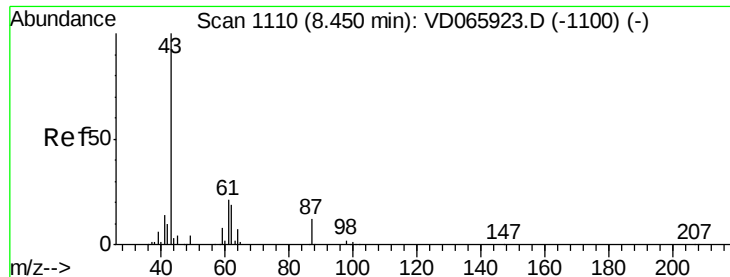
Tot Ion: 41 Resp: 153437
Ion Ratio Lower Upper
41 100
39 0.0 42.4 63.6#
67 0.0 53.6 80.4#
52 0.0 22.2 33.2#



#42
1,2-Dichloroethane
Concen: 50.750 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 62 Resp: 214368
Ion Ratio Lower Upper
62 100
98 10.5 0.0 20.0





#43

Isopropyl Acetate

Concen: 52.123 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

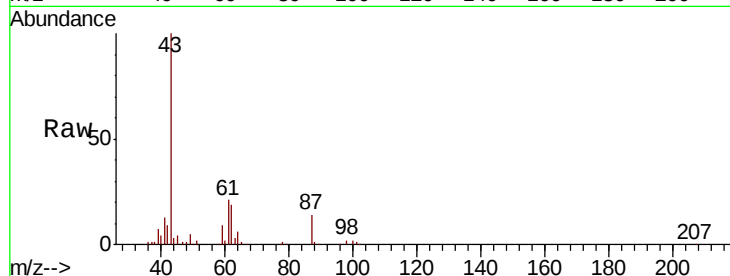
Tot Ion: 43 Resp: 219401

Ion Ratio Lower Upper

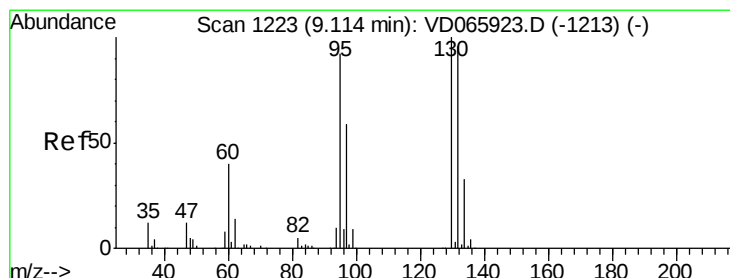
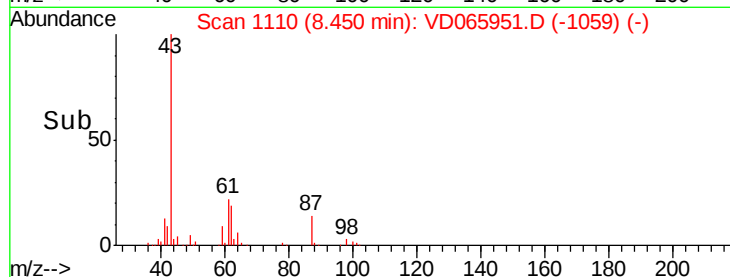
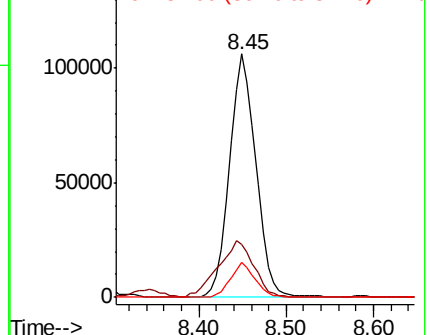
43 100

61 31.2 23.2 34.8

87 13.2 10.0 15.0



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: 54.989 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065951.D

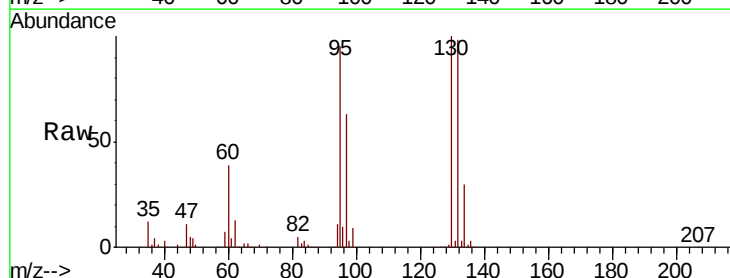
Acq: 16 Jul 2020 12:04

Tgt Ion:130 Resp: 240902

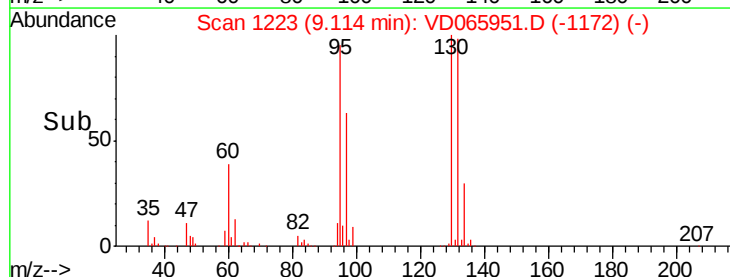
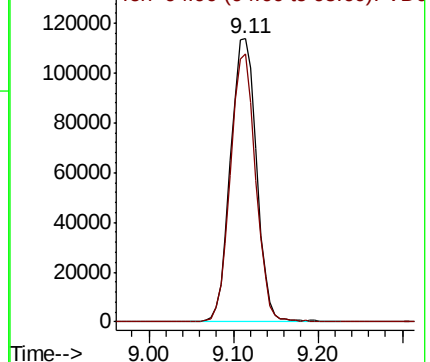
Ion Ratio Lower Upper

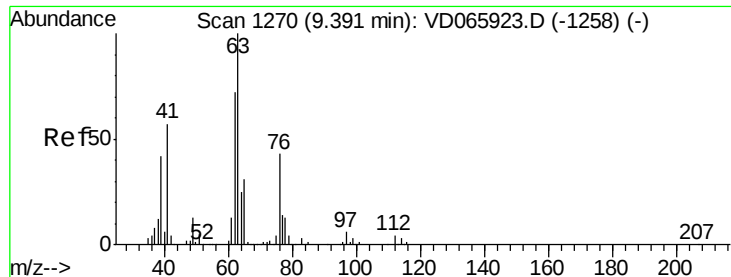
130 100

95 94.9 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 53.008 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

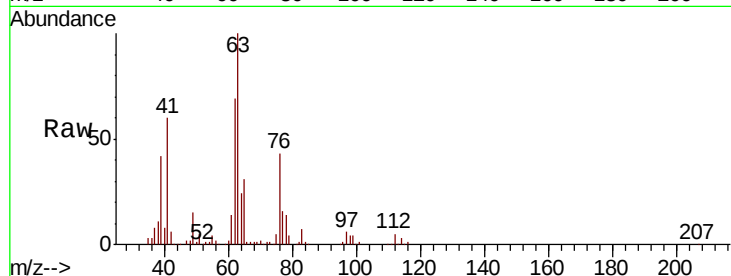
VSTDCCC050

Tot Ion: 63 Resp: 196166

Ion Ratio Lower Upper

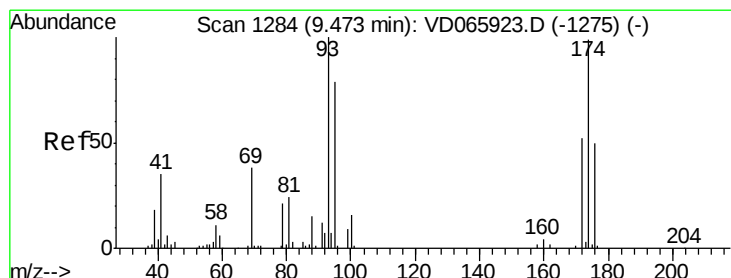
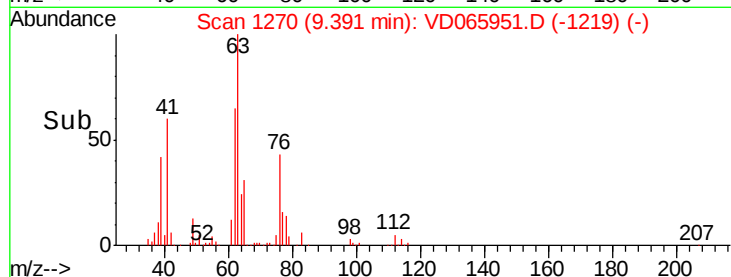
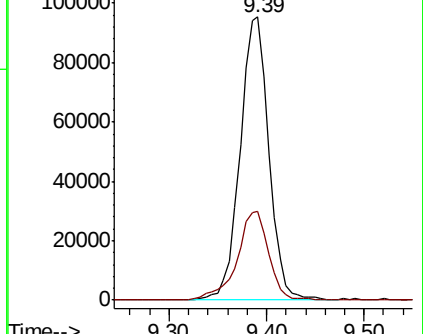
63 100

65 31.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.532 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

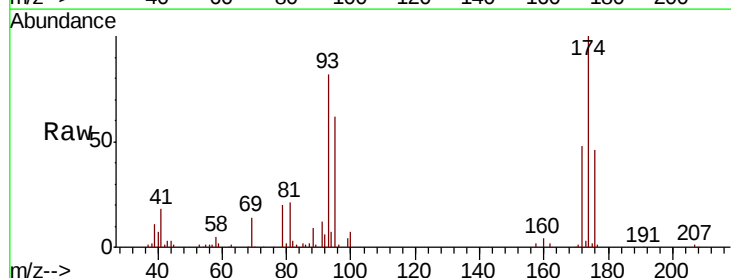
Tgt Ion: 93 Resp: 101211

Ion Ratio Lower Upper

93 100

95 81.3 68.2 102.2

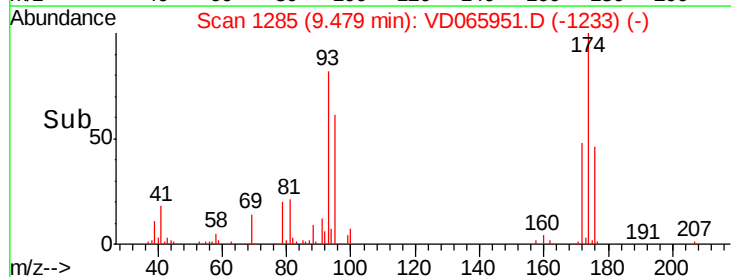
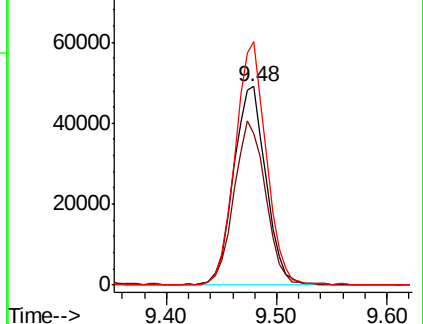
174 118.1 88.0 132.0

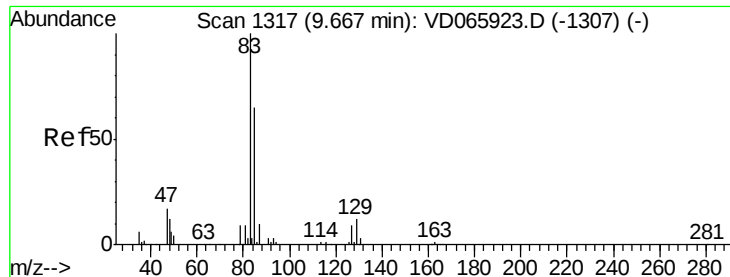


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.961 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

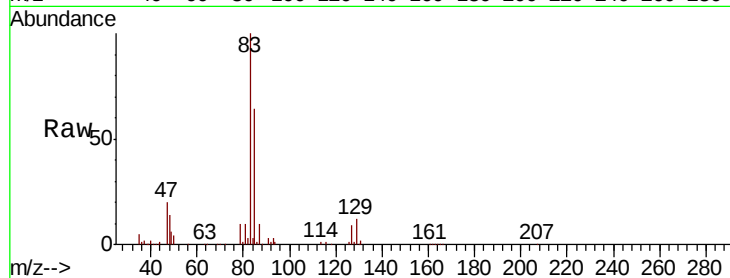
Tot Ion: 83 Resp: 273710

Ion Ratio Lower Upper

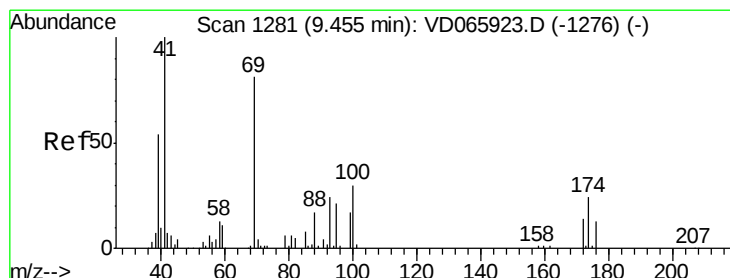
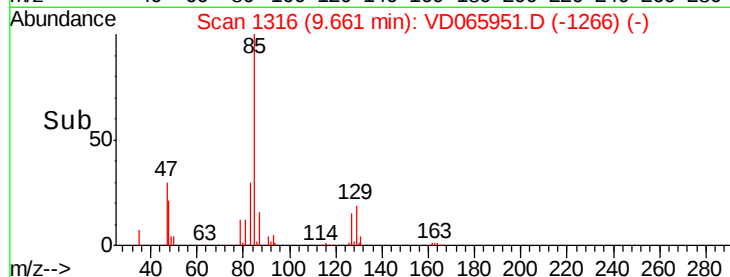
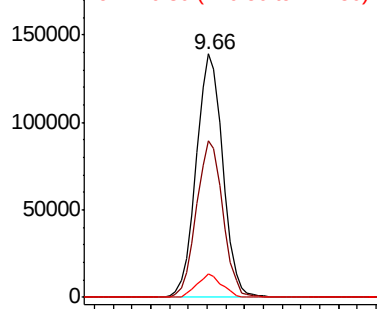
83 100

85 64.3 51.6 77.4

127 9.4 7.2 10.8



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: 48.287 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

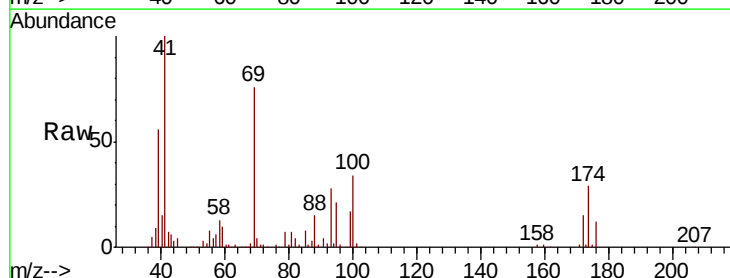
Tgt Ion: 41 Resp: 102321

Ion Ratio Lower Upper

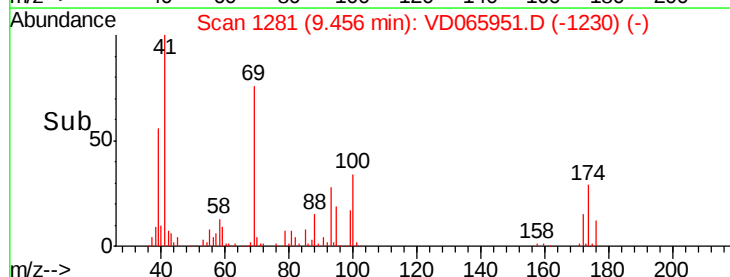
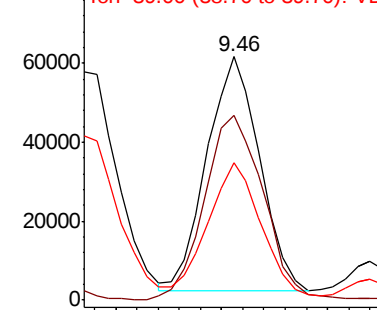
41 100

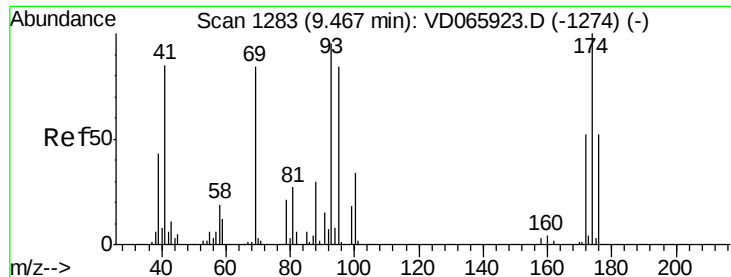
69 89.0 62.2 93.4

39 56.0 39.9 59.9



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: 1001.681 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

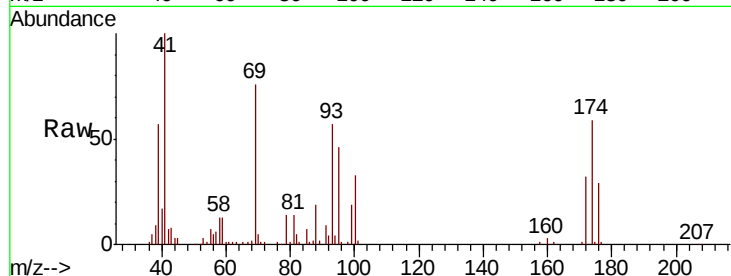
Tot Ion: 88 Resp: 22931

Ion Ratio Lower Upper

88 100

43 36.7 28.2 42.4

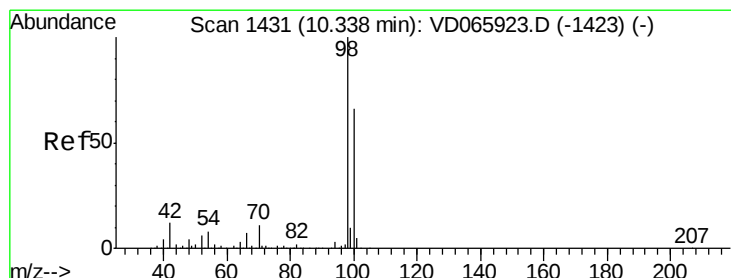
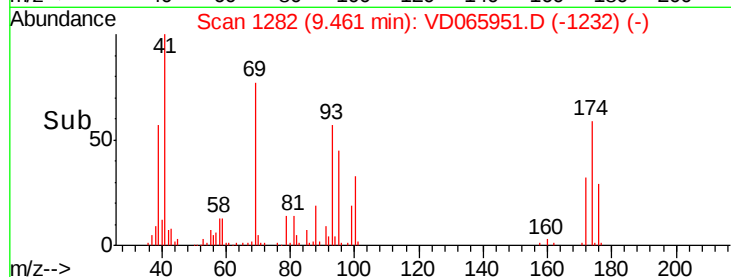
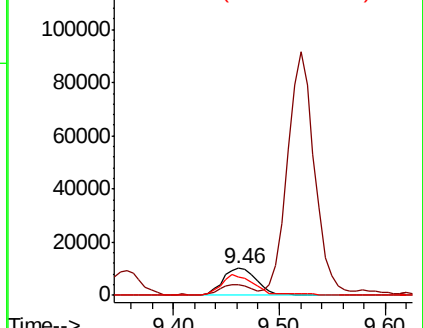
58 71.9 58.6 87.8



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: 46.466 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD065951.D

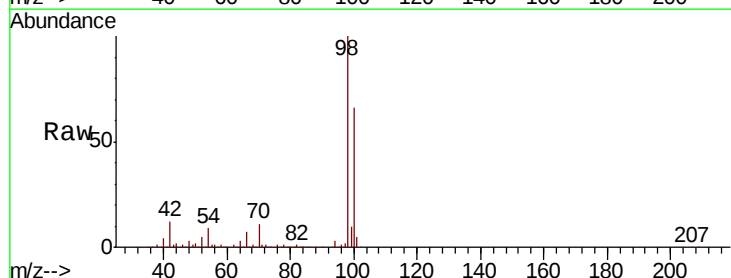
Acq: 16 Jul 2020 12:04

Tgt Ion: 98 Resp: 571529

Ion Ratio Lower Upper

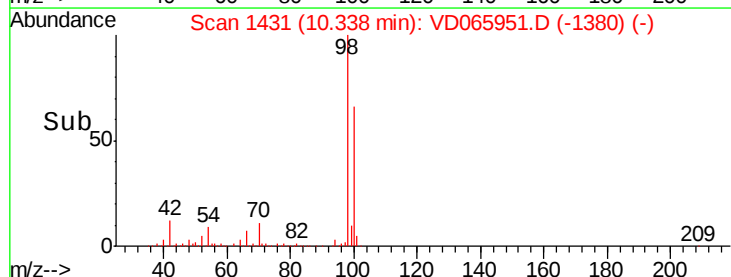
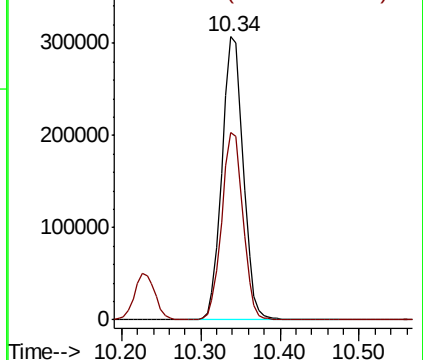
98 100

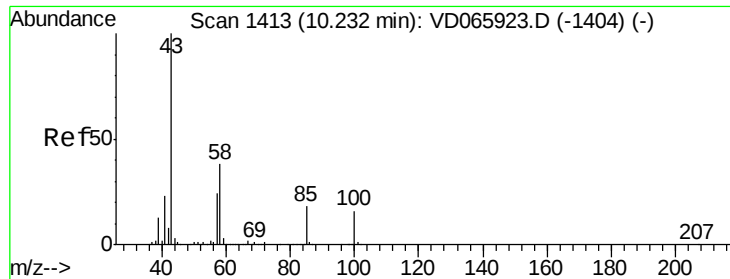
100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

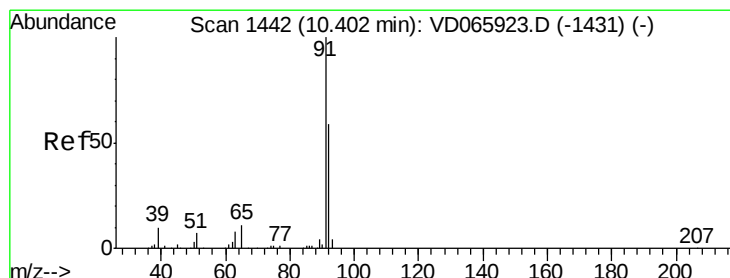
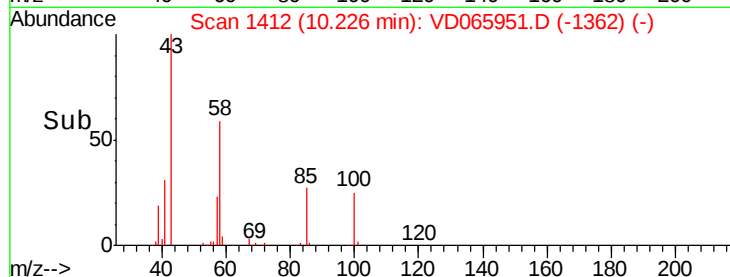
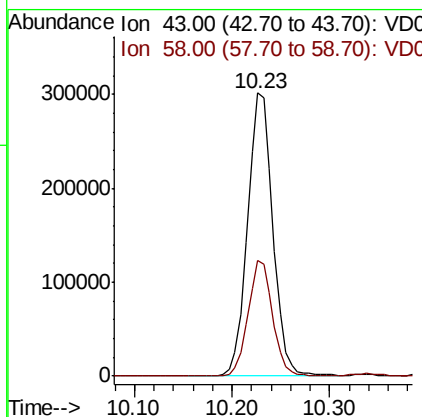
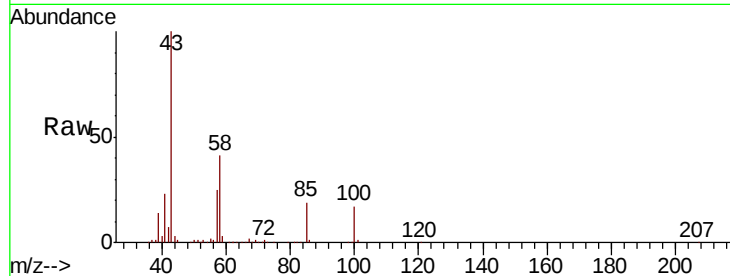




#51
4-Methyl-2-Pentanone
Concen: 258.121 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

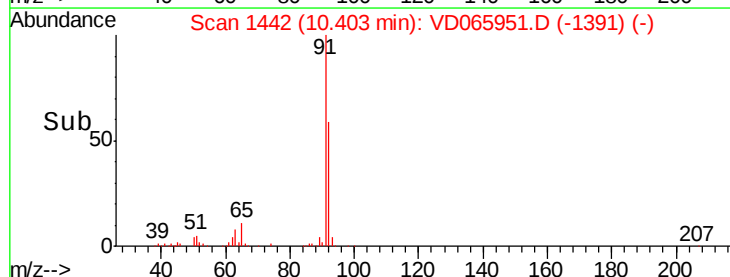
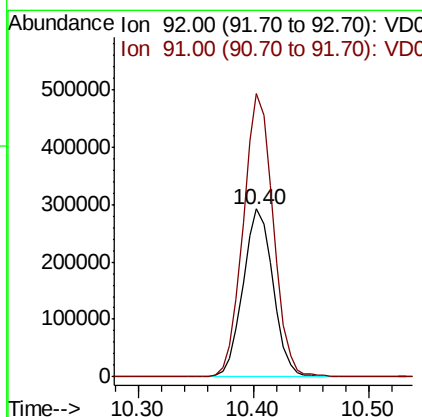
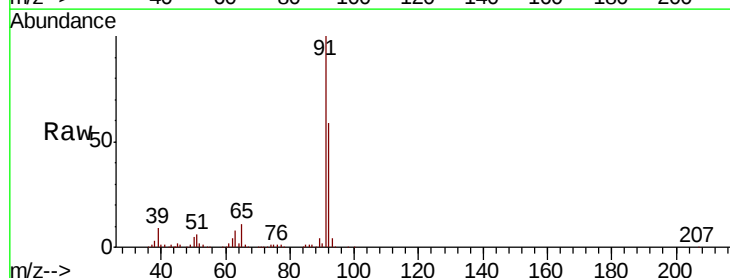
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

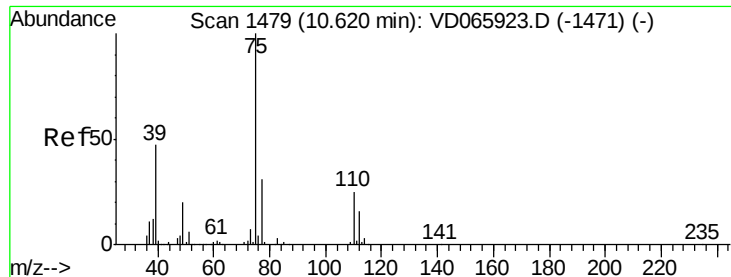
Tot Ion: 43 Resp: 549298
Ion Ratio Lower Upper
43 100
58 39.5 30.5 45.7



#52
Toluene
Concen: 55.716 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 92 Resp: 528512
Ion Ratio Lower Upper
92 100
91 169.1 136.0 204.0

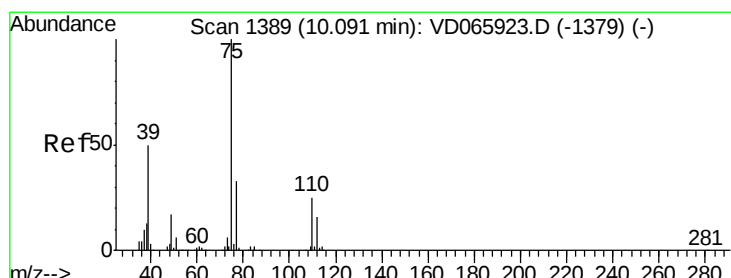
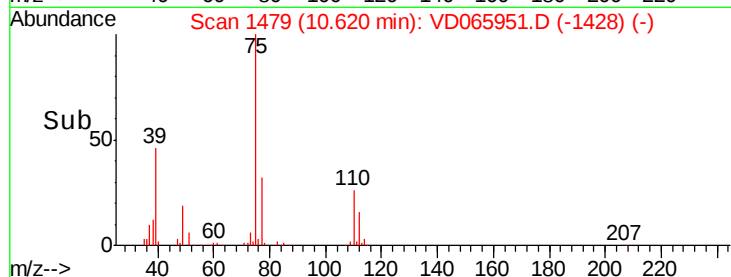
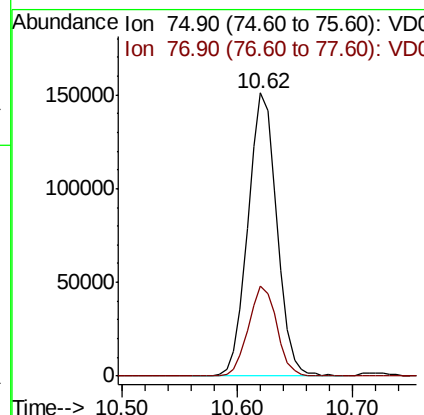
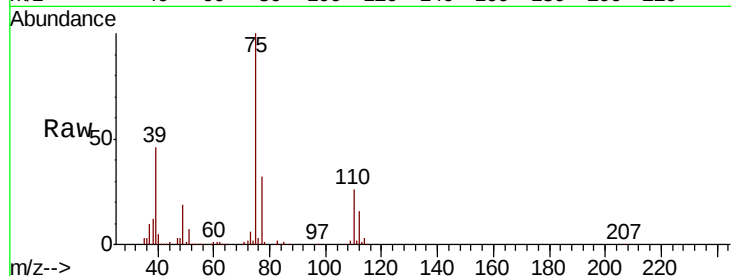




#53
 t-1,3-Dichloropropene
 Concen: 54.208 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

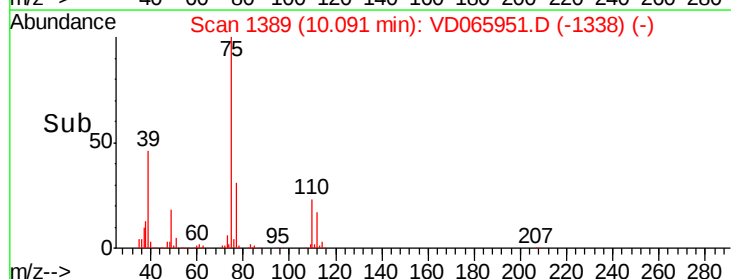
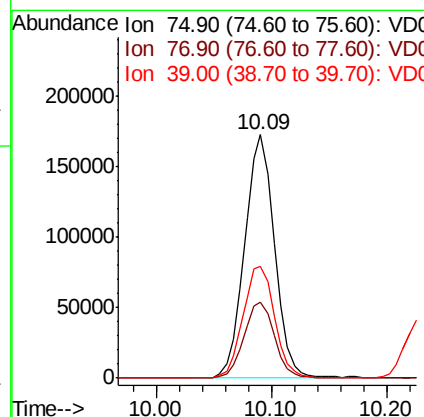
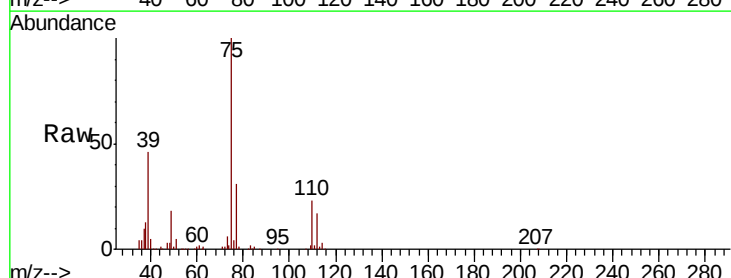
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

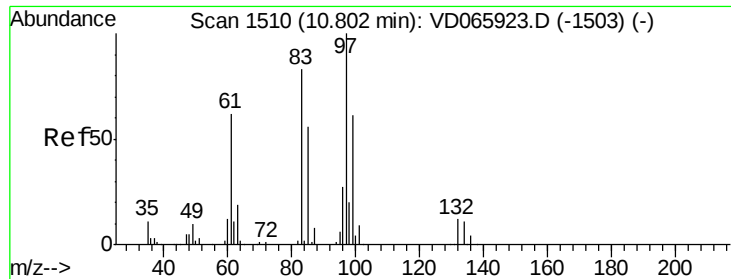
Tot Ion: 75 Resp: 263424
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 52.772 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion: 75 Resp: 309874
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.6 39.8
 39 46.1 39.6 59.4

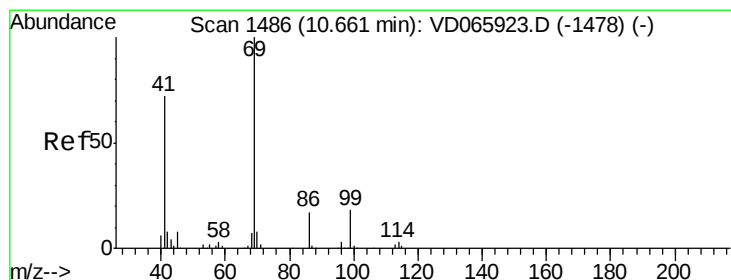
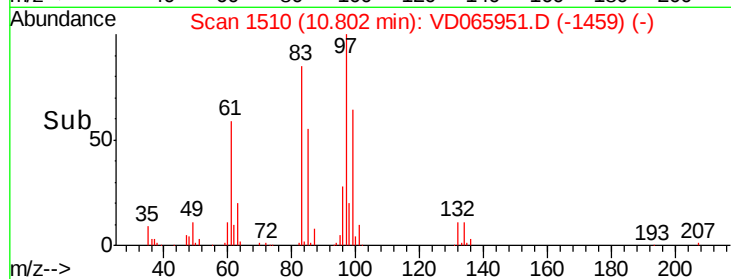
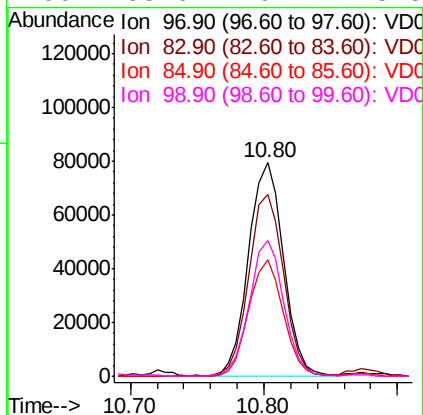
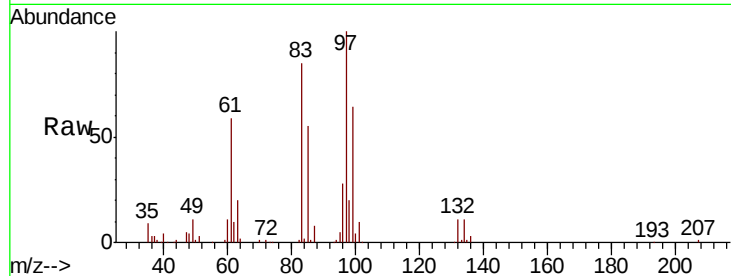




#55
 1,1,2-Trichloroethane
 Concen: 54.158 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

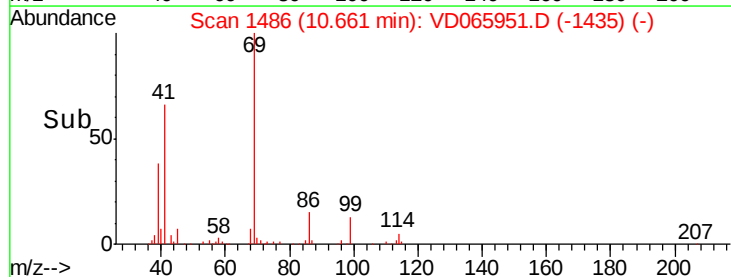
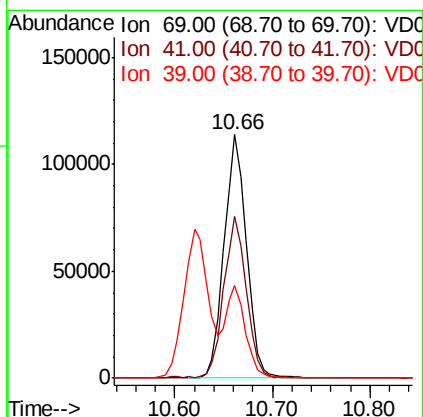
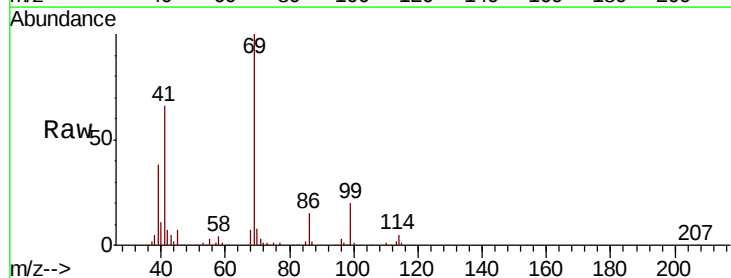
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

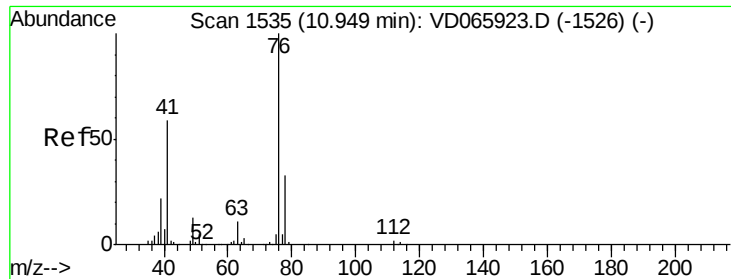
Tot Ion:	97	Resp:	143764
Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.9	100.3
85	54.6	44.5	66.7
99	63.6	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 55.986 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion:	69	Resp:	181520
Ion	Ratio	Lower	Upper
69	100		
41	65.9	56.5	84.7
39	34.0	29.2	43.8

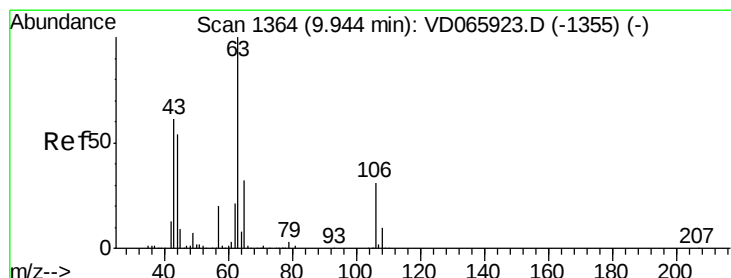
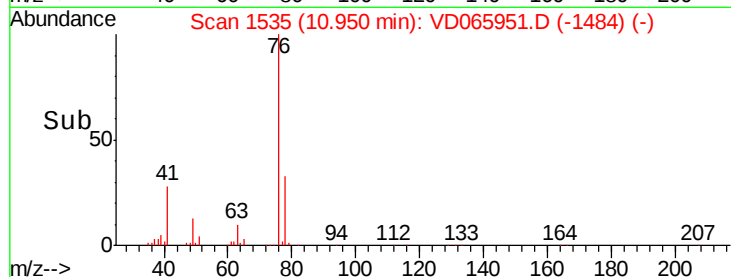
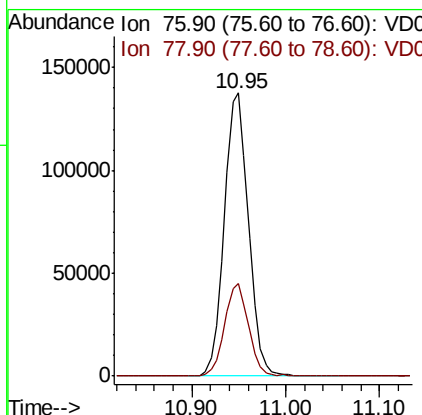
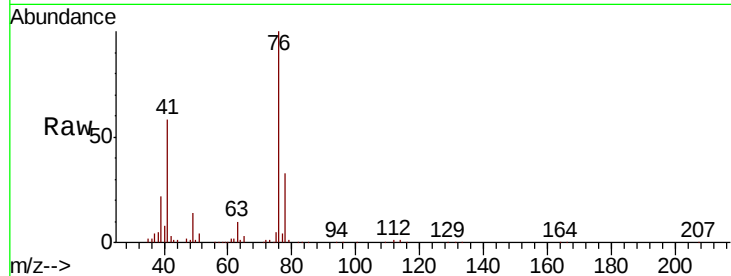




#57
 1,3-Dichloropropane
 Concen: 52.946 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

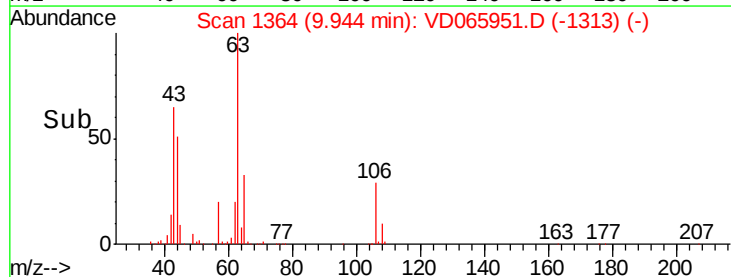
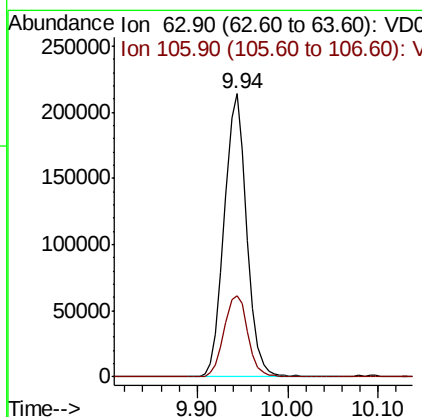
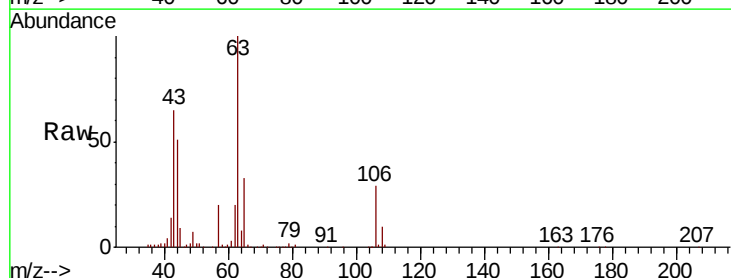
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

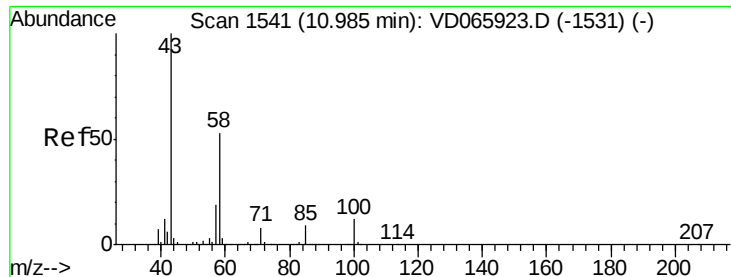
Tot Ion: 76 Resp: 245794
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.596 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion: 63 Resp: 368366
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.8 35.6

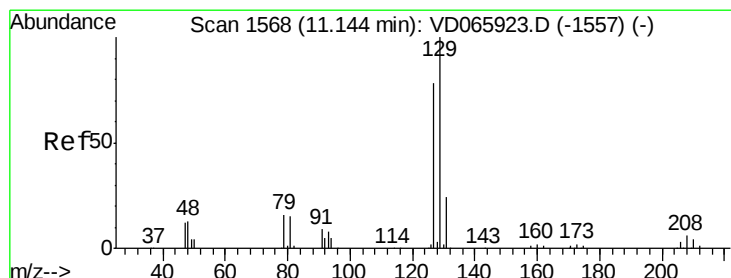
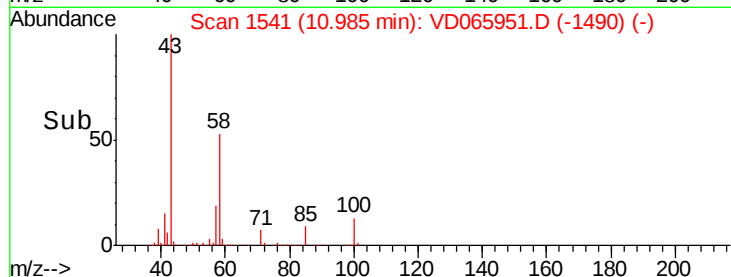
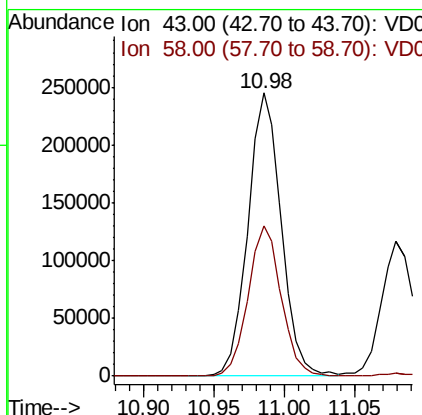
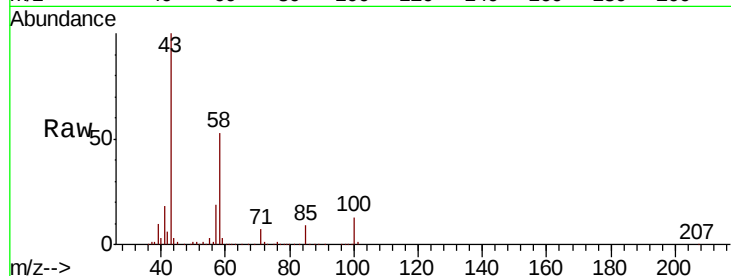




#59
2-Hexanone
Concen: 277.465 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

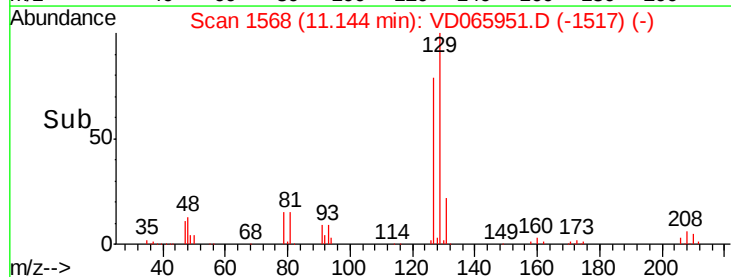
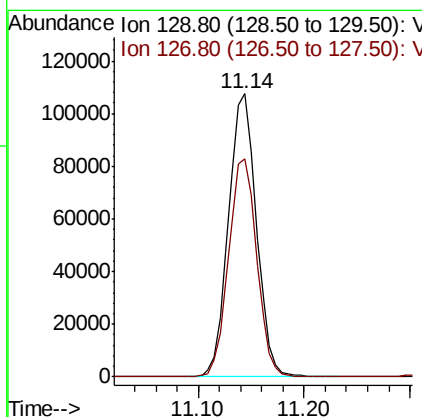
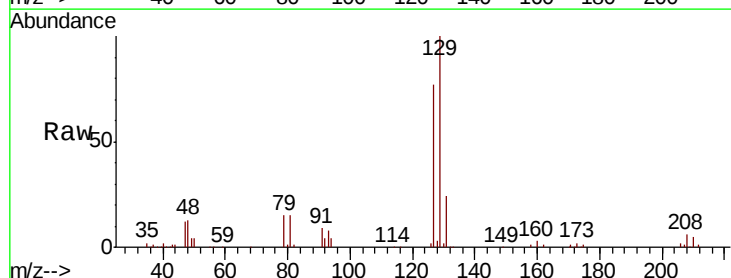
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

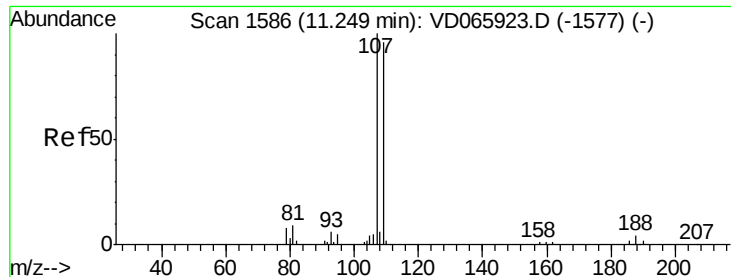
Tot Ion: 43 Resp: 406083
Ion Ratio Lower Upper
43 100
58 52.9 26.6 79.8



#60
Dibromochloromethane
Concen: 54.066 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion:129 Resp: 196083
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.4

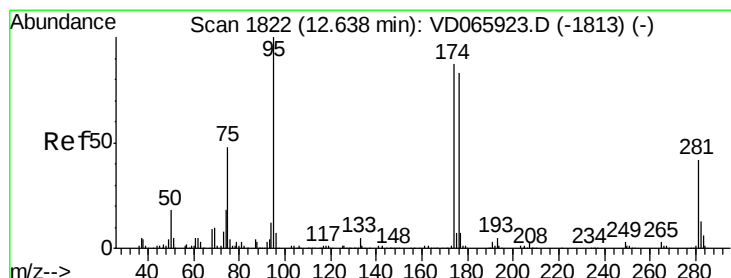
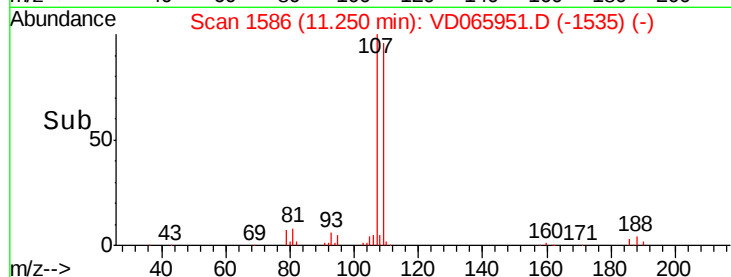
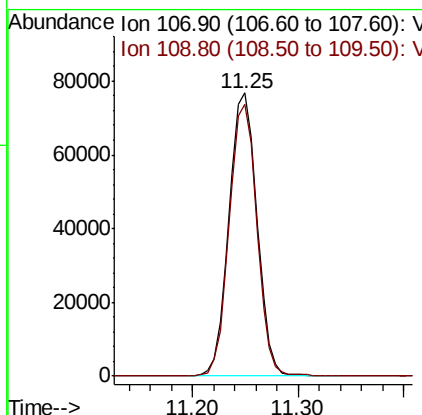
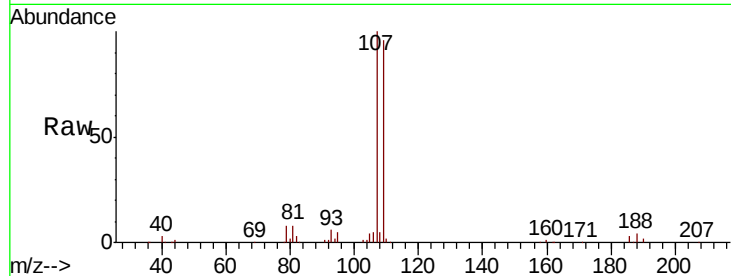




#61
 1,2-Dibromoethane
 Concen: 53.141 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

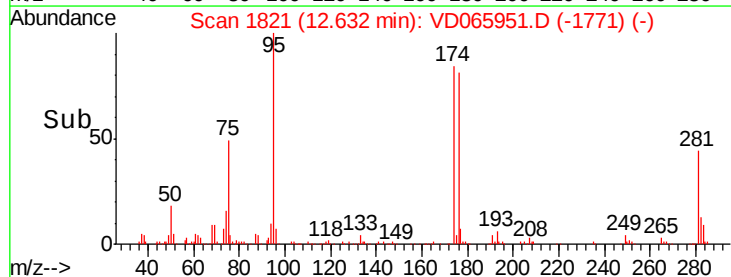
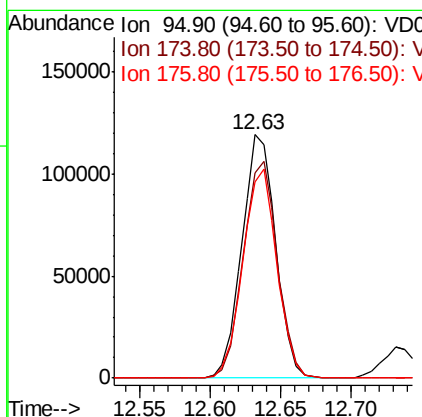
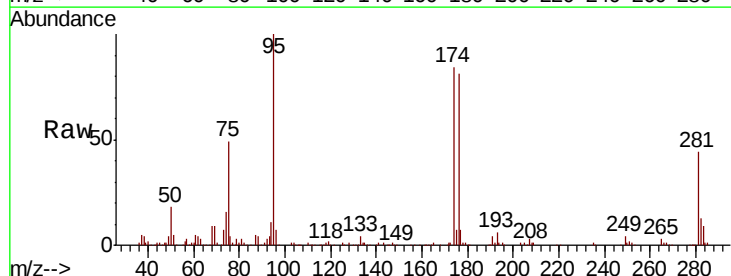
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

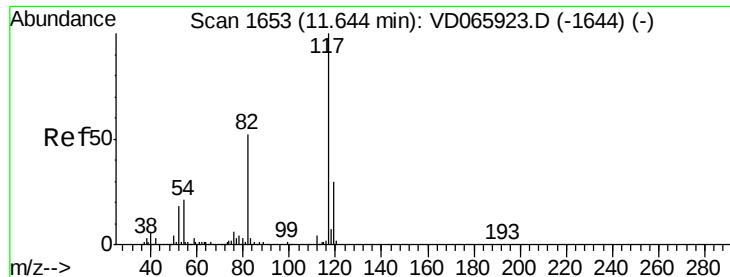
Tot Ion:107 Resp: 140648
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 47.441 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion: 95 Resp: 200381
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 169.4
 176 86.4 0.0 164.0

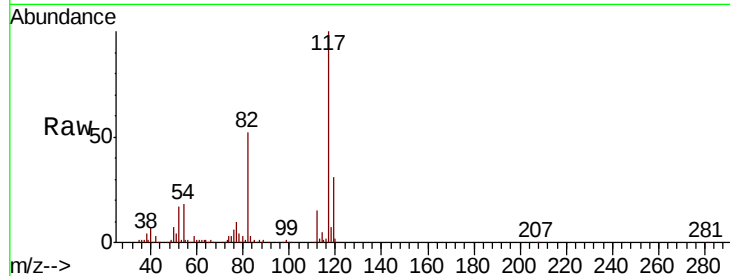




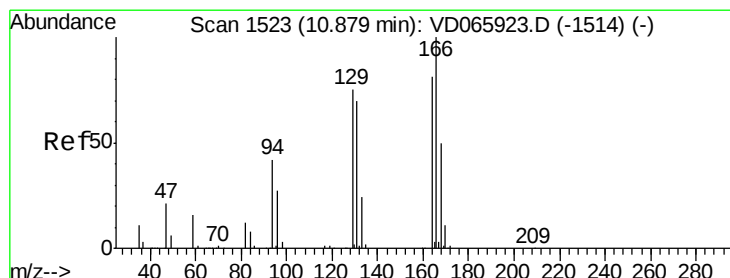
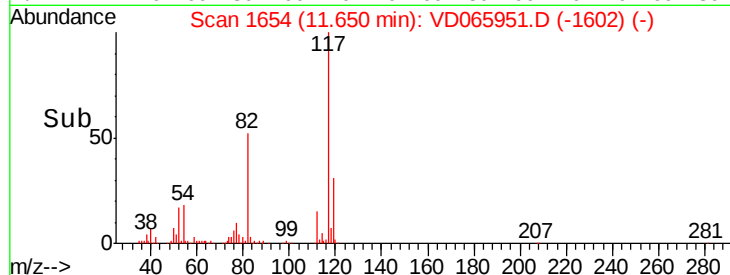
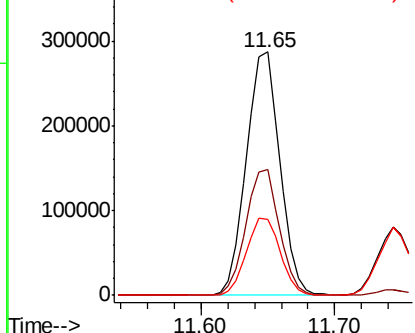
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 498168
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 31.2 24.3 36.5

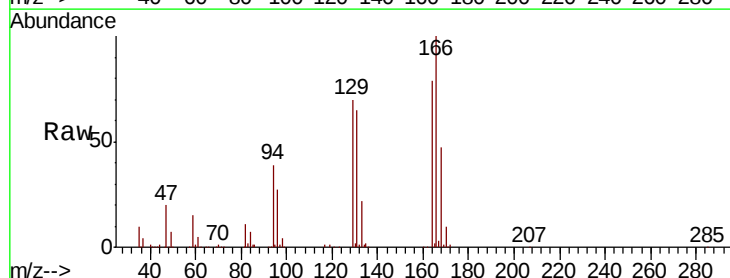


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

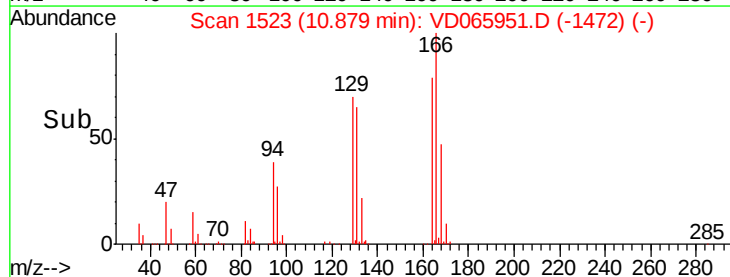
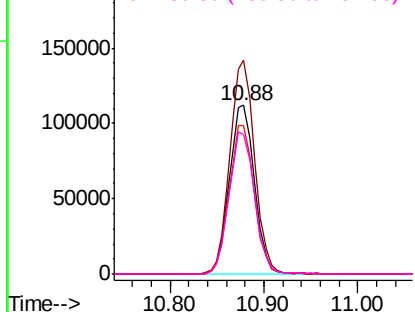


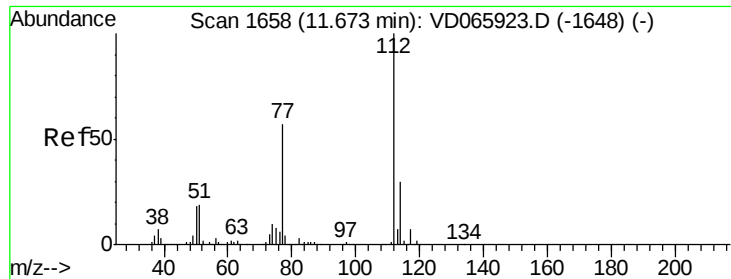
#64
Tetrachloroethene
Concen: 57.340 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion:164 Resp: 207731
Ion Ratio Lower Upper
164 100
166 126.8 99.0 148.4
129 88.2 73.9 110.9
131 82.7 69.6 104.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

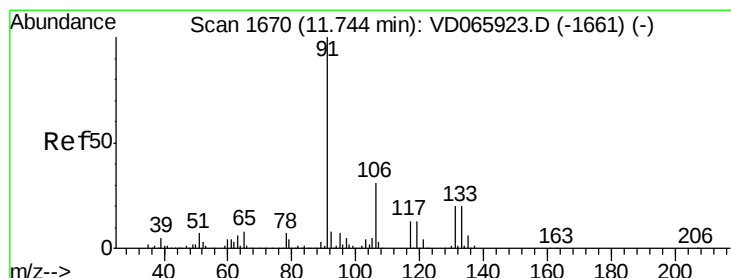
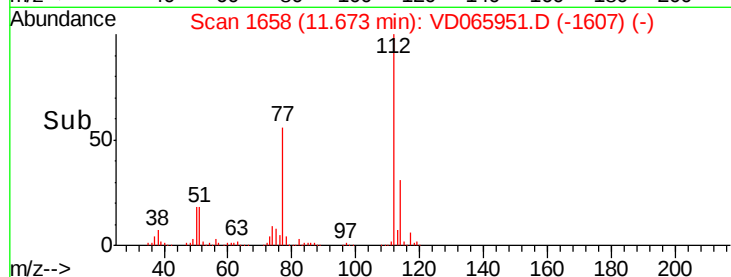
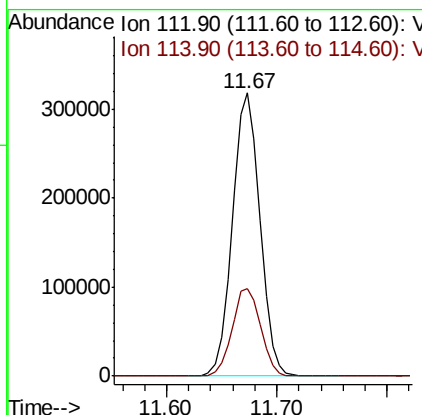
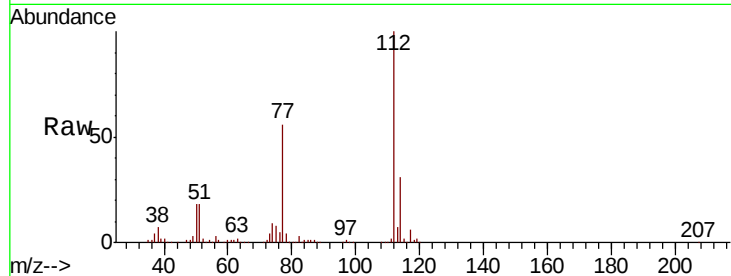




#65
Chlorobenzene
Concen: 55.209 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

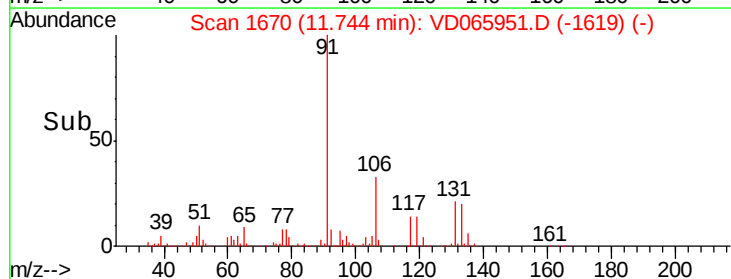
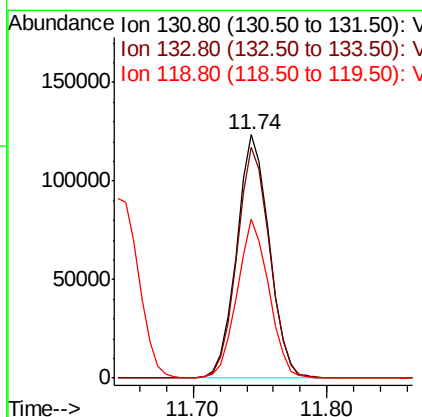
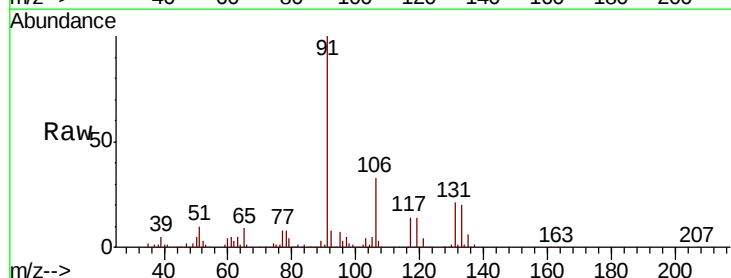
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

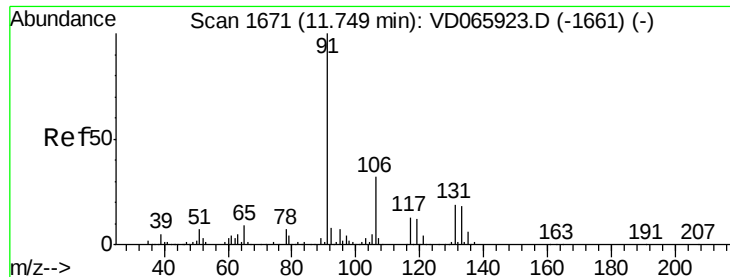
Tot Ion:112 Resp: 554247
Ion Ratio Lower Upper
112 100
114 30.9 24.2 36.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.562 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion:131 Resp: 208626
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 63.7 31.9 95.9





#67

Ethyl Benzene

Concen: 55.442 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

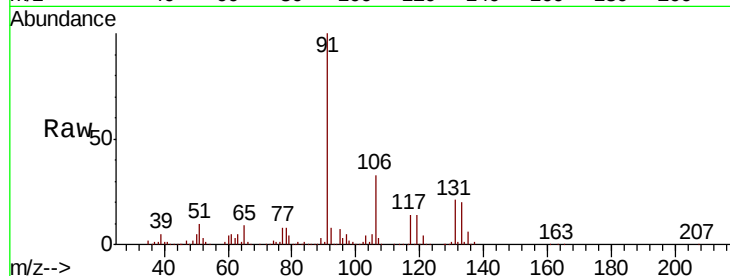
VSTDCCC050

Tot Ion: 91 Resp: 988777

Ion Ratio Lower Upper

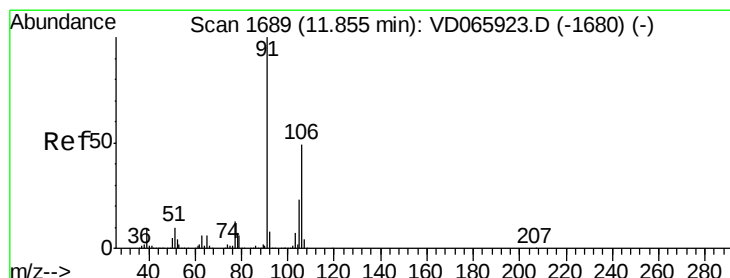
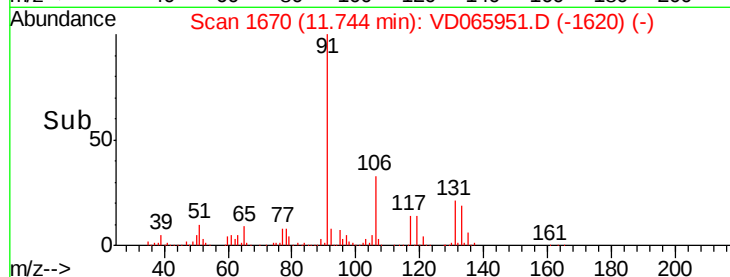
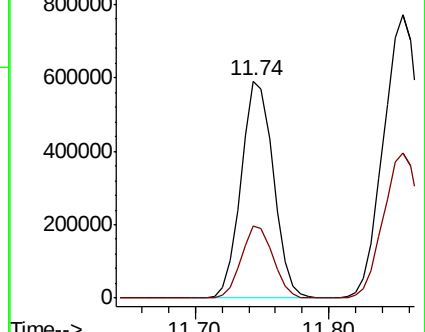
91 100

106 33.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 113.580 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065951.D

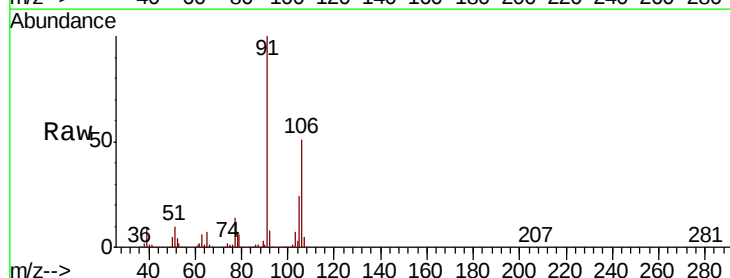
Acq: 16 Jul 2020 12:04

Tgt Ion: 106 Resp: 769600

Ion Ratio Lower Upper

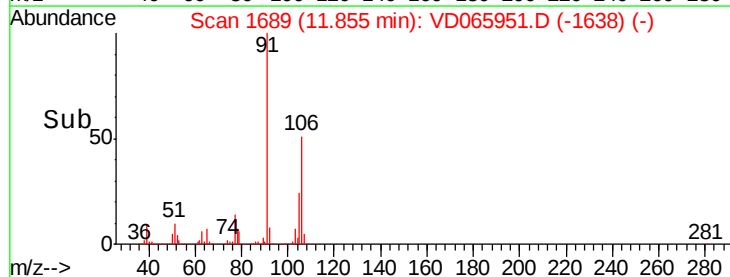
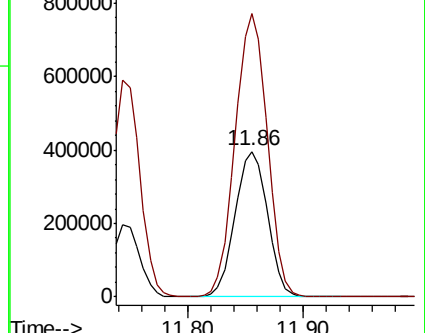
106 100

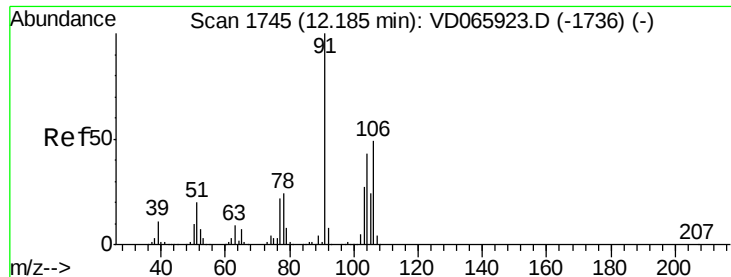
91 193.4 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

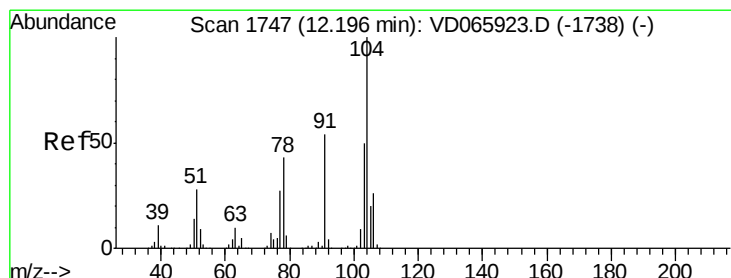
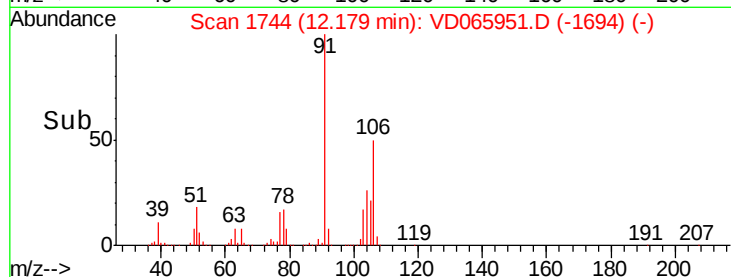
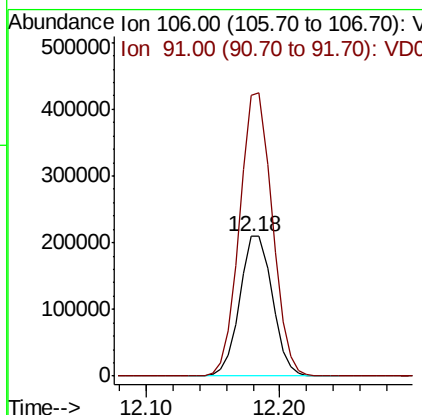
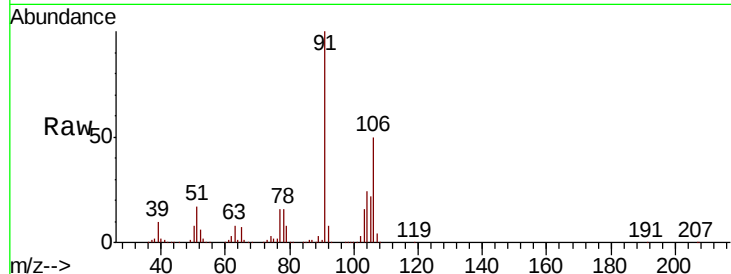




#69
o-Xylene
Concen: 57.453 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

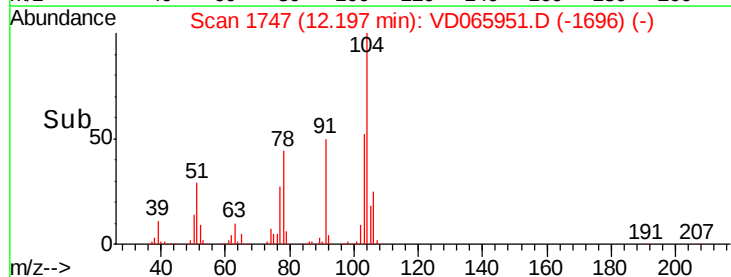
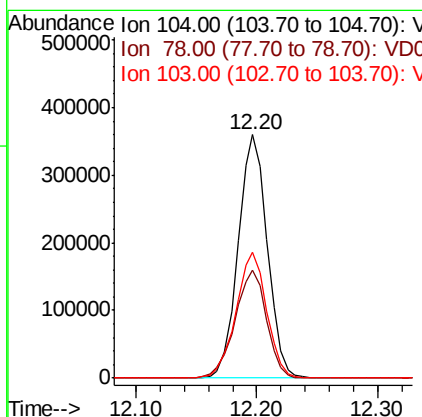
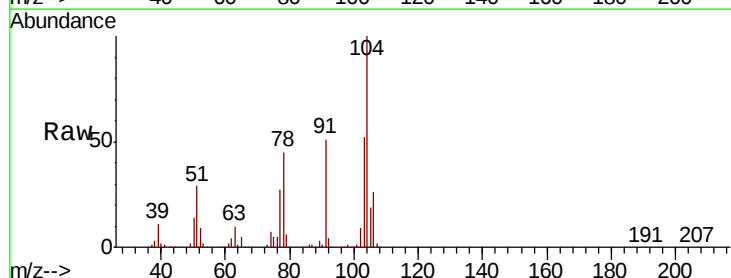
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

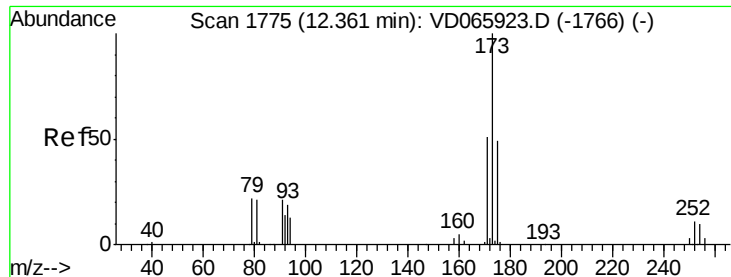
Tot Ion:106 Resp: 354625
Ion Ratio Lower Upper
106 100
91 202.9 104.1 312.2



#70
Styrene
Concen: 56.754 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion:104 Resp: 604724
Ion Ratio Lower Upper
104 100
78 47.9 38.8 58.2
103 54.6 43.6 65.4

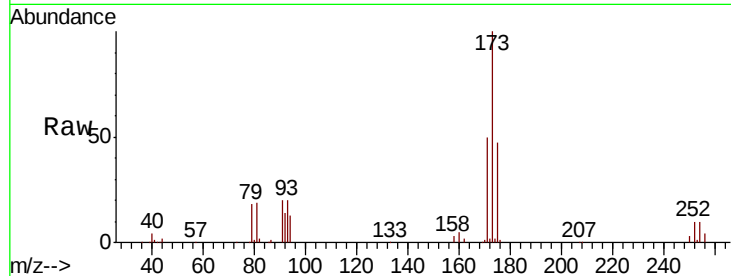




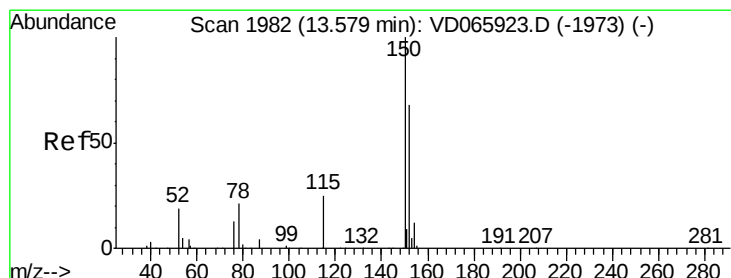
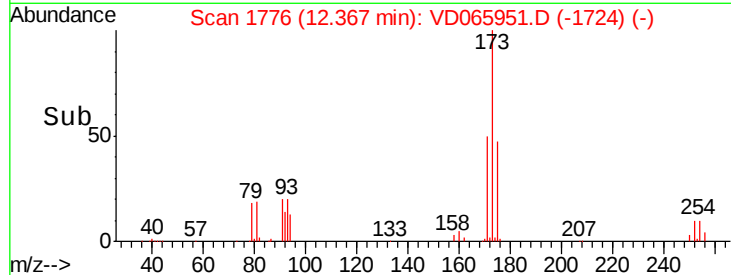
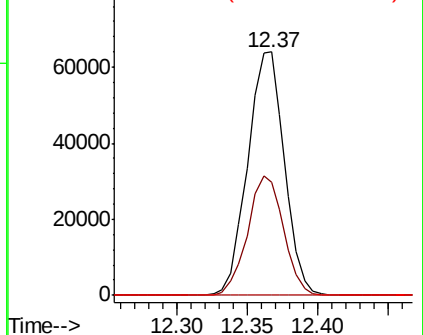
#71
Bromoform
Concen: 54.991 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 116839
Ion Ratio Lower Upper
173 100
175 48.1 24.2 72.6
254 0.0 0.0 0.0

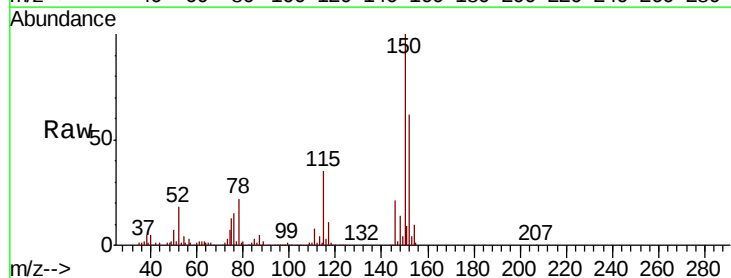


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

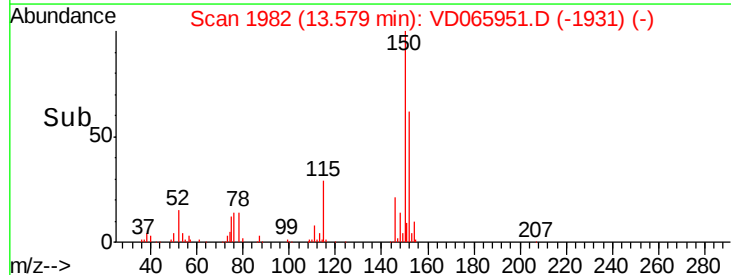
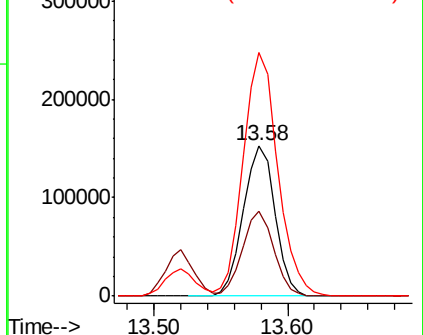


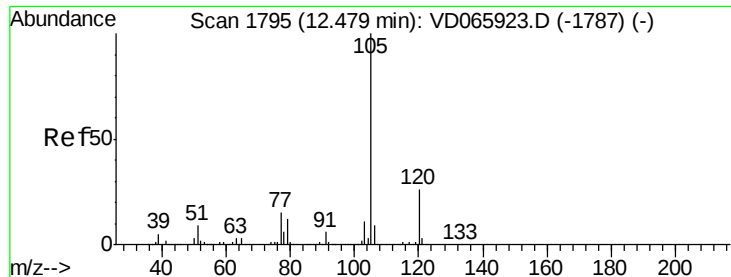
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion:152 Resp: 250360
Ion Ratio Lower Upper
152 100
115 56.2 27.8 83.3
150 176.5 0.0 347.2



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: 55.729 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

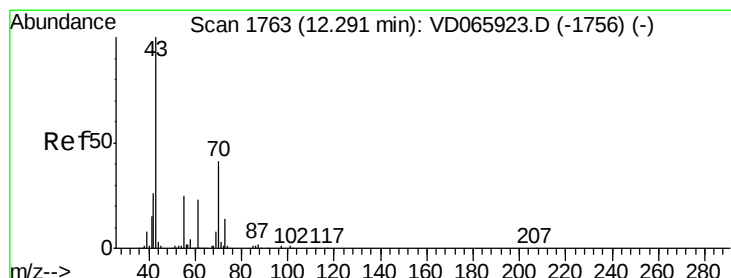
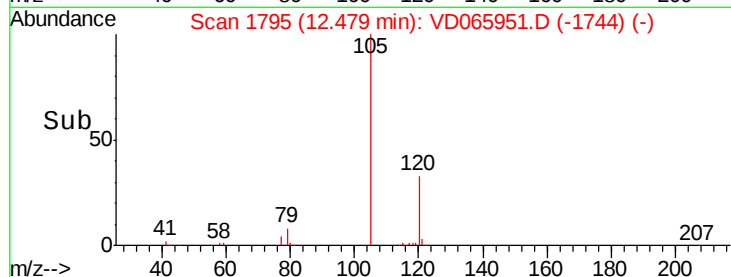
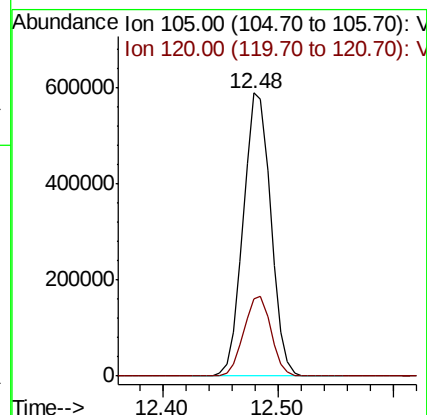
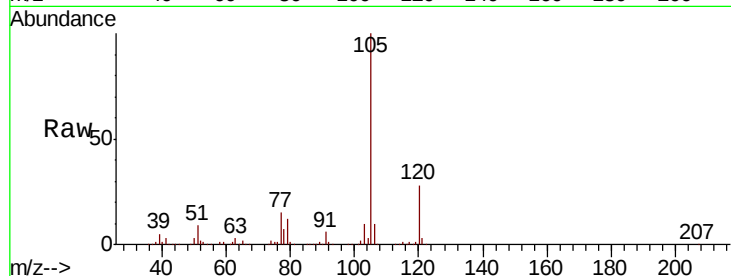
VSTDCCC050

Tot Ion:105 Resp: 973746

Ion Ratio Lower Upper

105 100

120 27.8 13.3 39.8



#74

N-ethyl acetate

Concen: 50.687 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Tgt Ion: 43 Resp: 198733

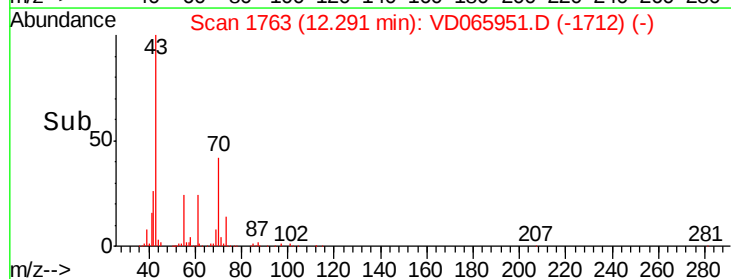
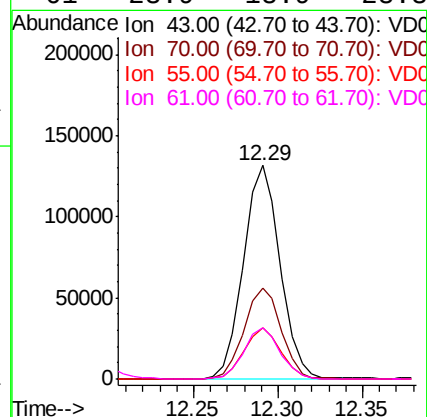
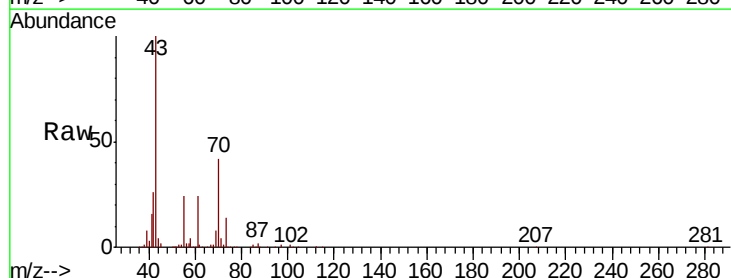
Ion Ratio Lower Upper

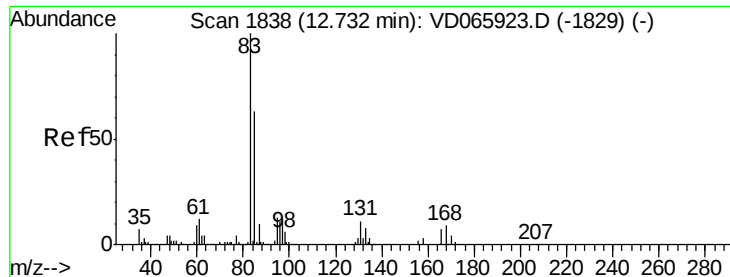
43 100

70 43.1 33.6 50.4

55 24.3 20.1 30.1

61 23.9 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.456 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

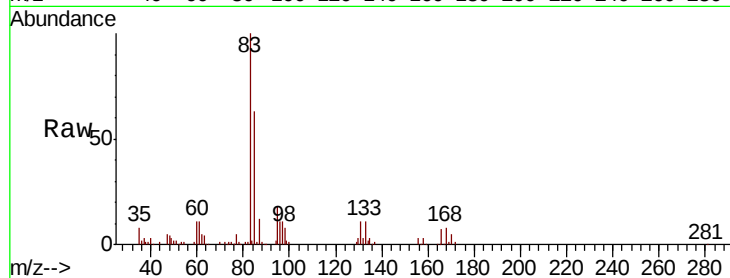
Tot Ion: 83 Resp: 149265

Ion Ratio Lower Upper

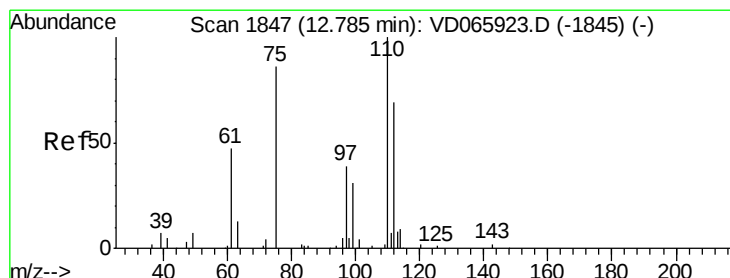
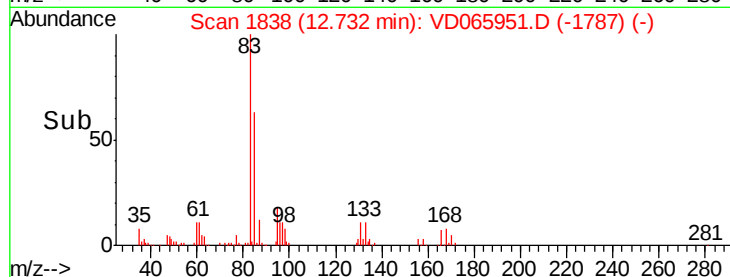
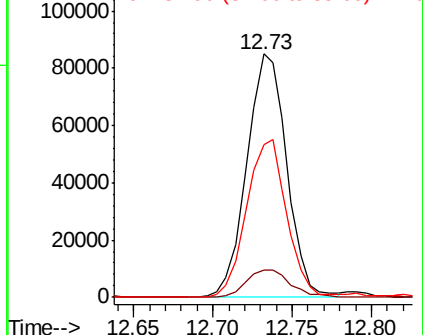
83 100

131 12.3 5.6 16.8

85 65.1 32.6 98.0



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: 94.824 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD065951.D

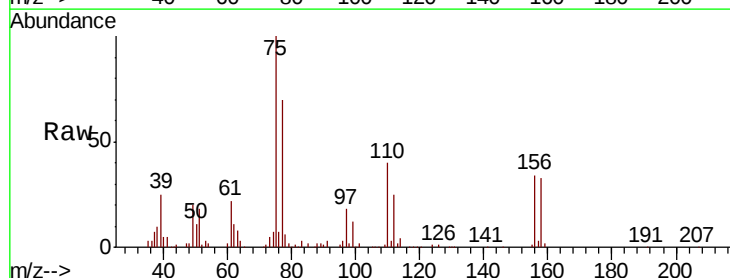
Acq: 16 Jul 2020 12:04

Tgt Ion: 75 Resp: 199147

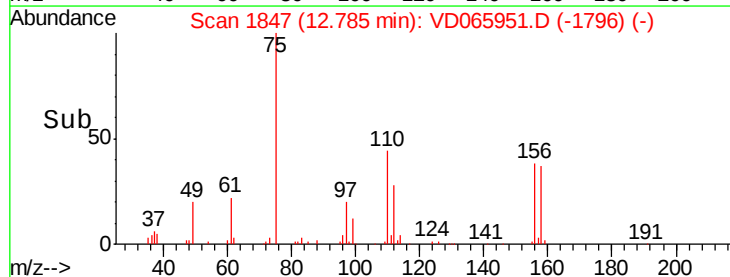
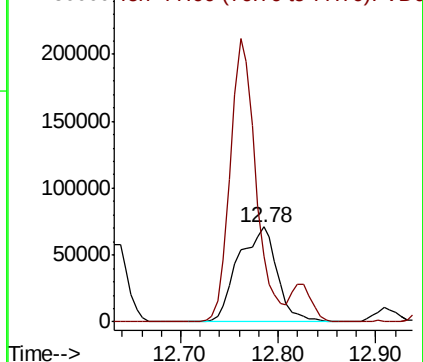
Ion Ratio Lower Upper

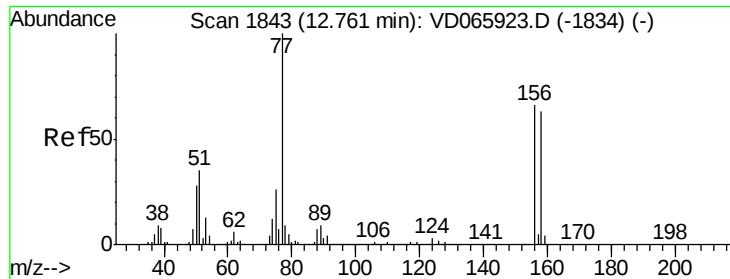
75 100

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: 56.077 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

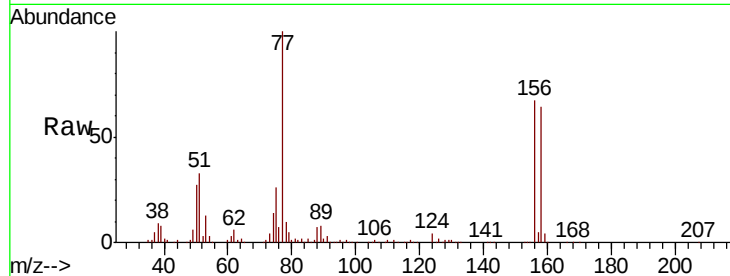
Tot Ion:156 Resp: 237650

Ion Ratio Lower Upper

156 100

77 164.4 85.0 255.0

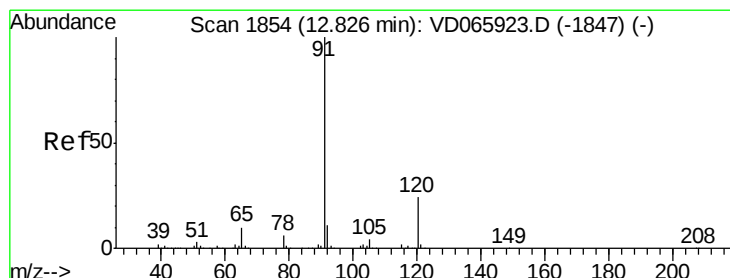
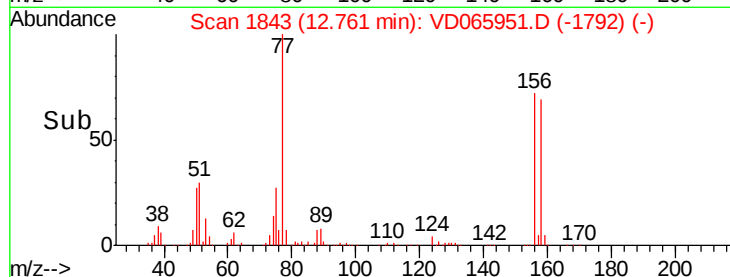
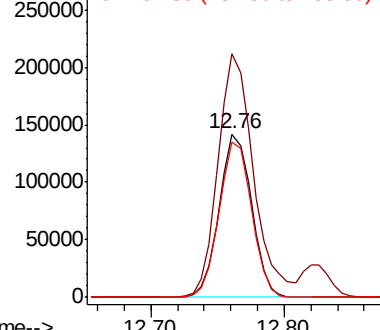
158 95.5 49.0 147.0



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: 55.748 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065951.D

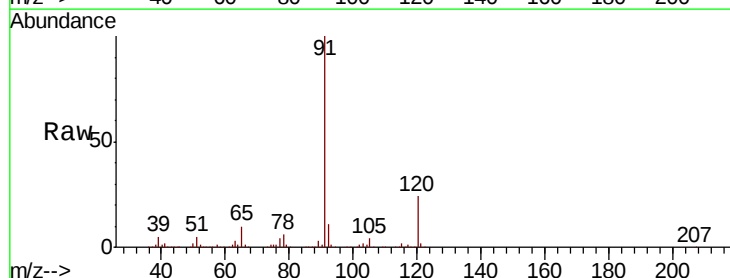
Acq: 16 Jul 2020 12:04

Tgt Ion: 91 Resp: 1142002

Ion Ratio Lower Upper

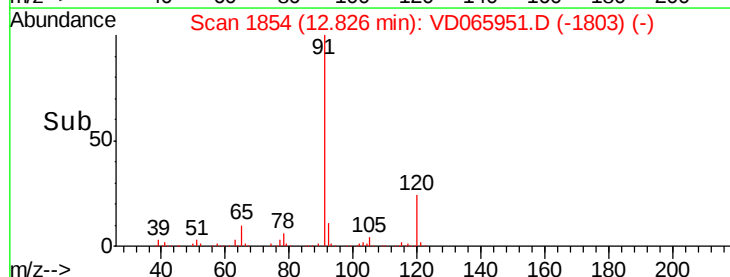
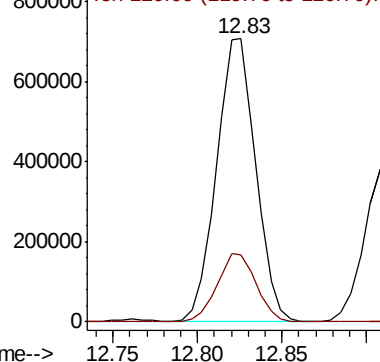
91 100

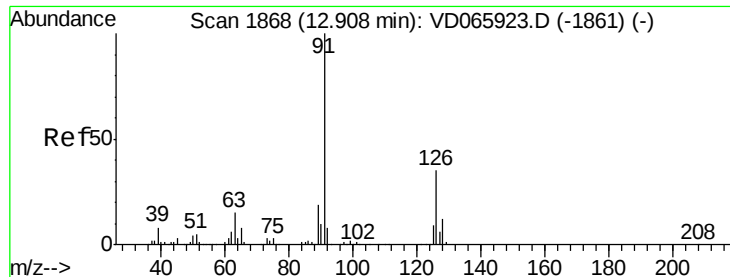
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.103 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

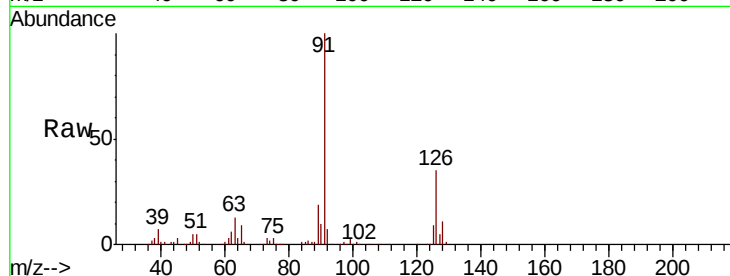
VSTDCCC050

Tot Ion: 91 Resp: 640372

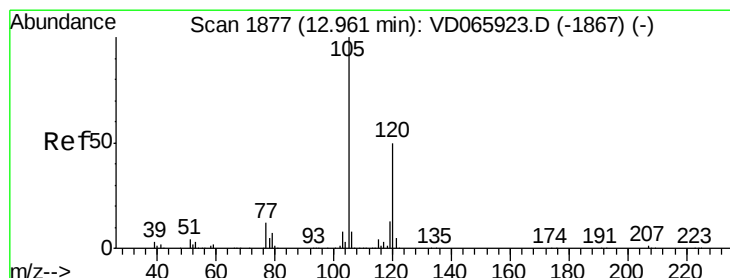
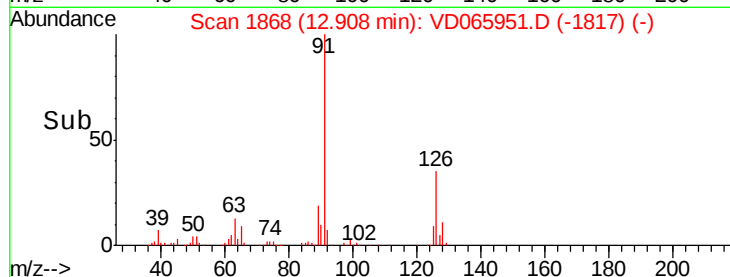
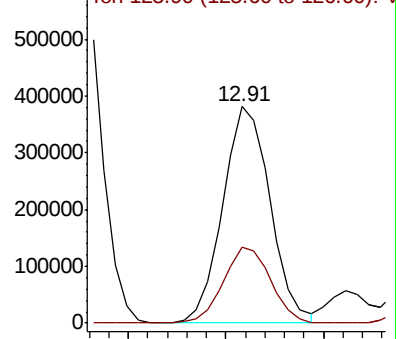
Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD065923.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.501 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065951.D

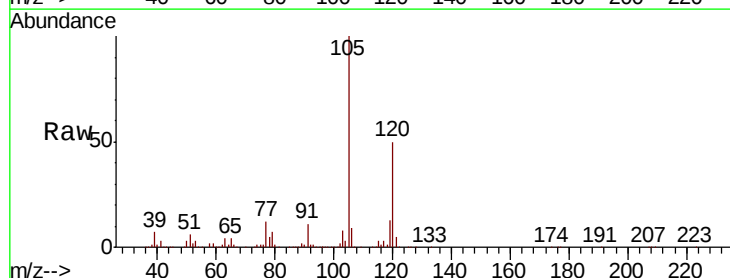
Acq: 16 Jul 2020 12:04

Tgt Ion: 105 Resp: 807494

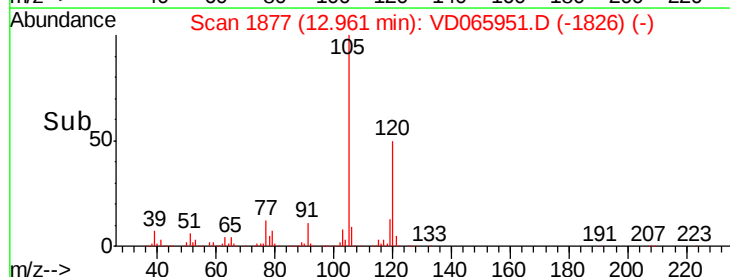
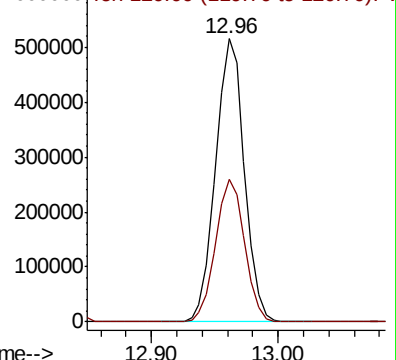
Ion Ratio Lower Upper

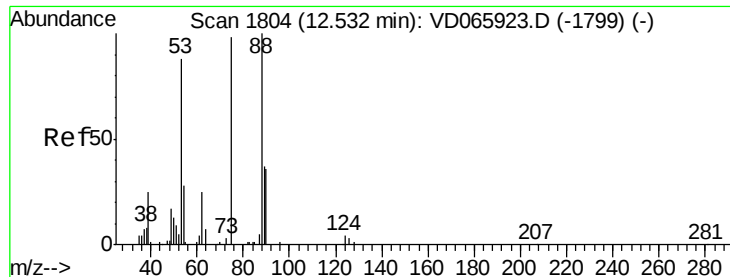
105 100

120 51.0 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065923.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.645 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

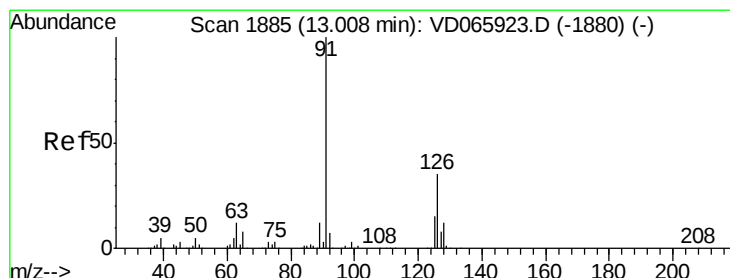
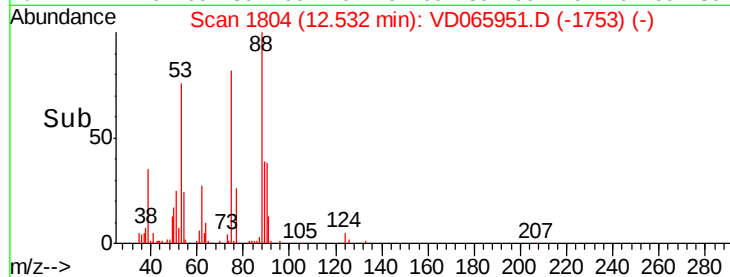
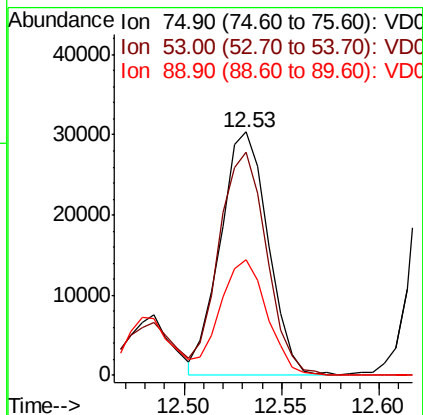
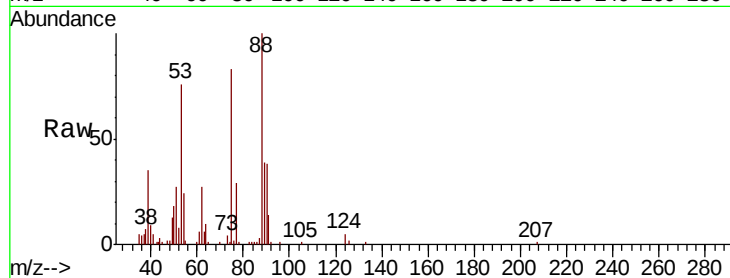
Tot Ion: 75 Resp: 51456

Ion Ratio Lower Upper

75 100

53 91.7 75.8 113.8

89 47.2 37.5 56.3



#82

4-Chlorotoluene

Concen: 54.478 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065951.D

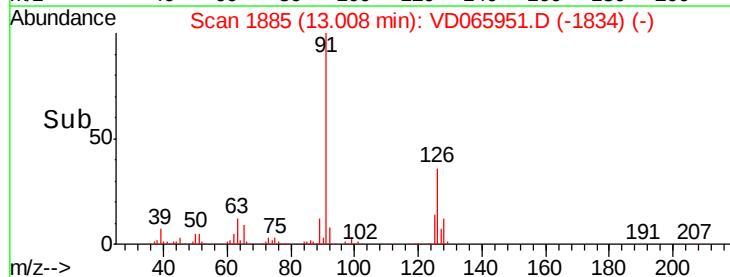
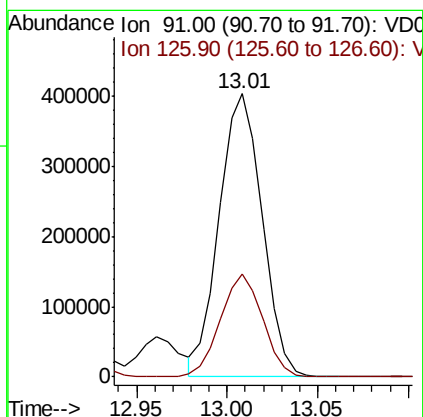
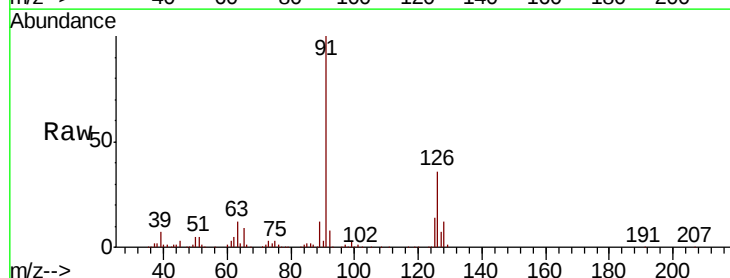
Acq: 16 Jul 2020 12:04

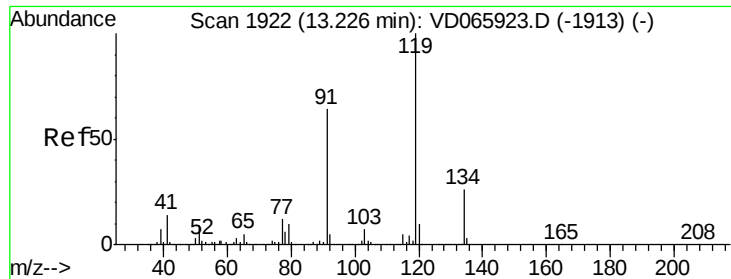
Tgt Ion: 91 Resp: 664238

Ion Ratio Lower Upper

91 100

126 35.8 17.3 51.7

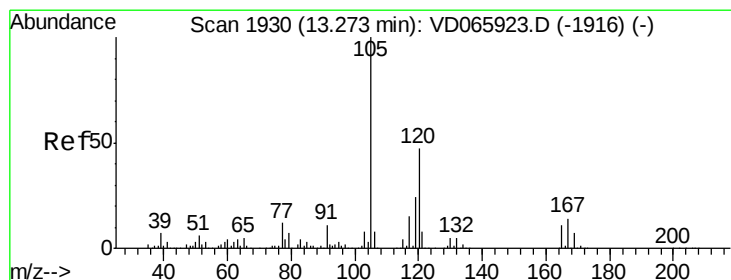
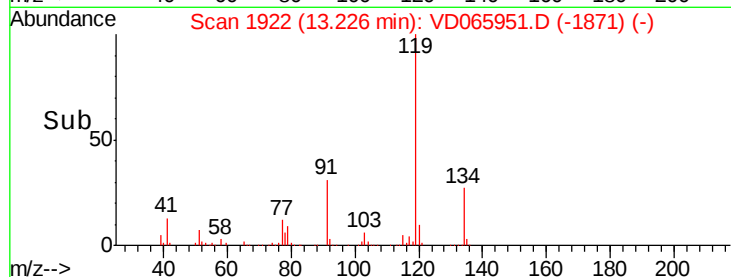
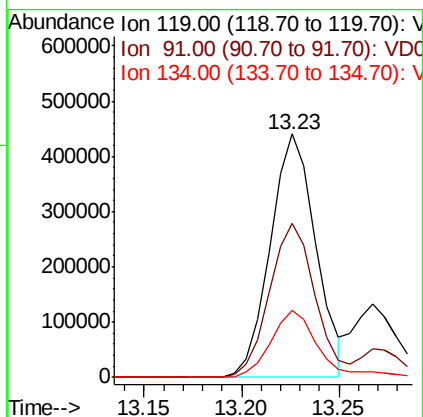
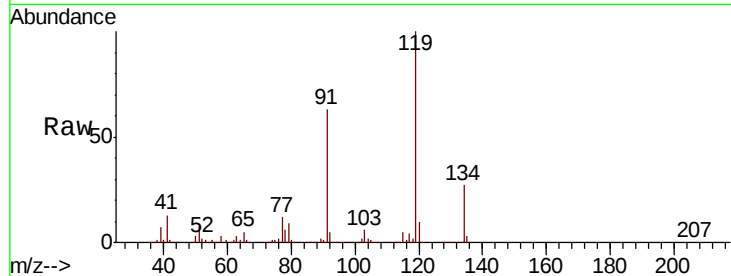




#83
tert-Butylbenzene
Concen: 58.342 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

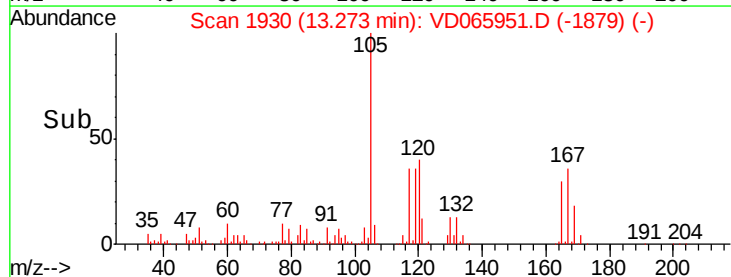
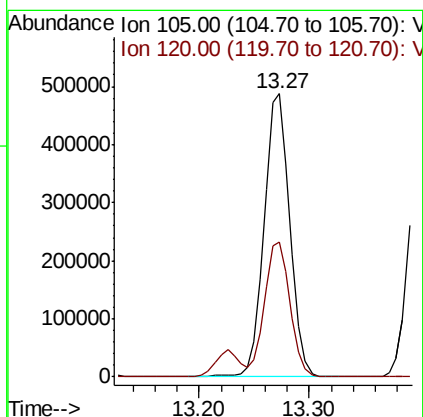
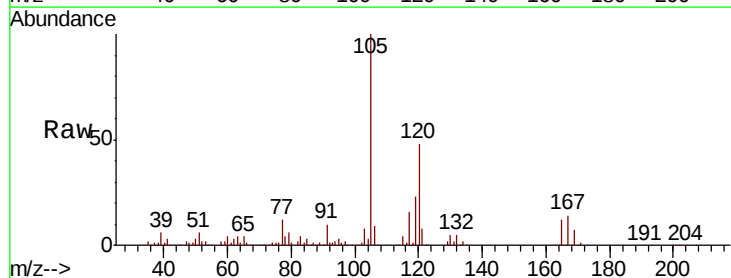
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

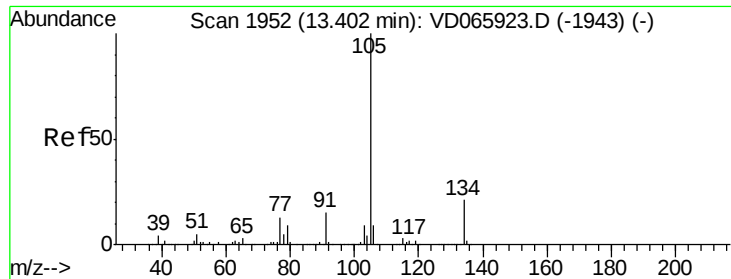
Tot Ion:119 Resp: 710371
Ion Ratio Lower Upper
119 100
91 63.7 32.4 97.2
134 28.6 14.1 42.4



#84
1,2,4-Trimethylbenzene
Concen: 55.712 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion:105 Resp: 792571
Ion Ratio Lower Upper
105 100
120 47.4 23.2 69.5





#85

sec-Butylbenzene

Concen: 57.544 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

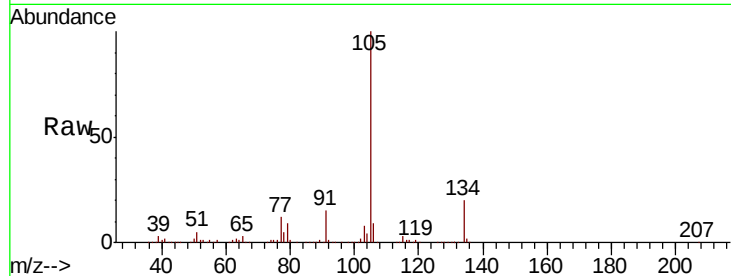
VSTDCCC050

Tot Ion:105 Resp: 992956

Ion Ratio Lower Upper

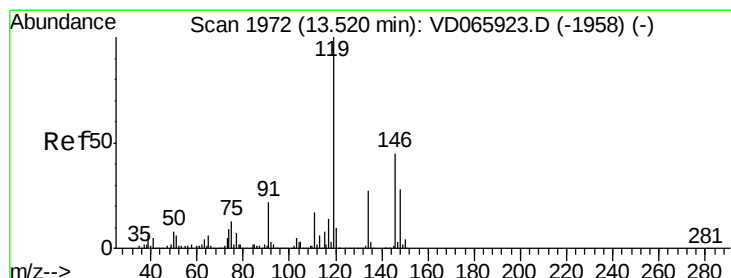
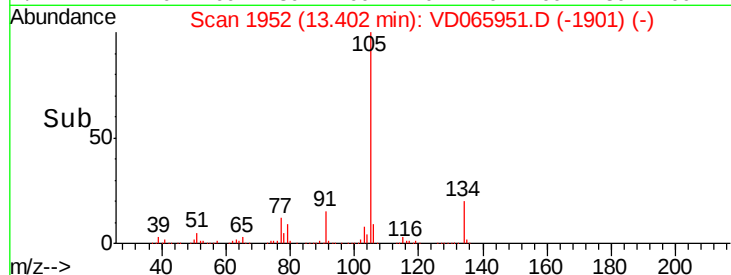
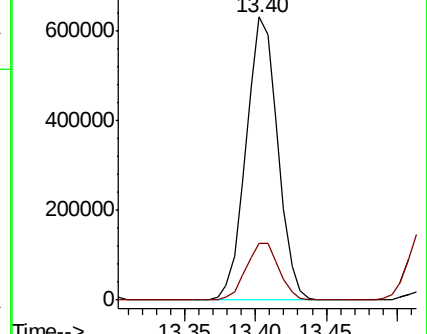
105 100

134 21.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.685 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

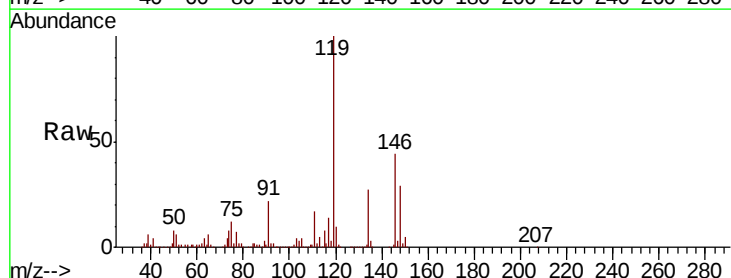
Tgt Ion:119 Resp: 910439

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

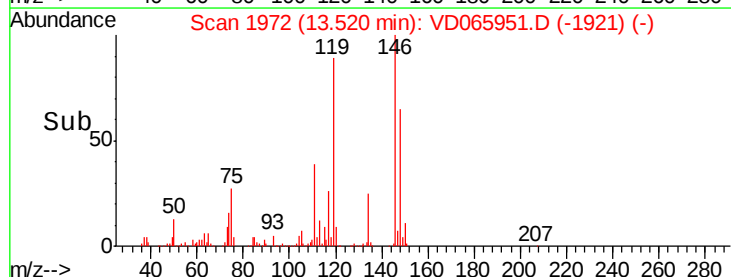
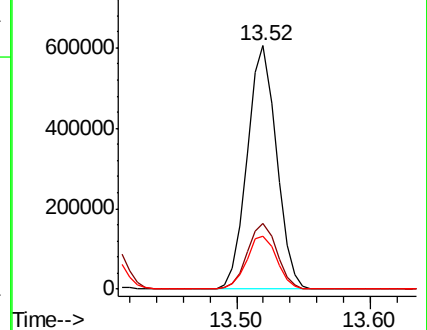
91 22.3 11.3 33.8

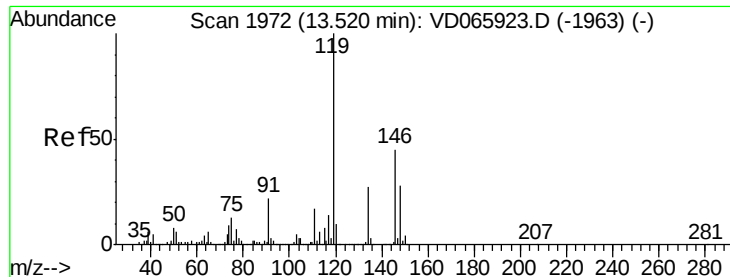


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

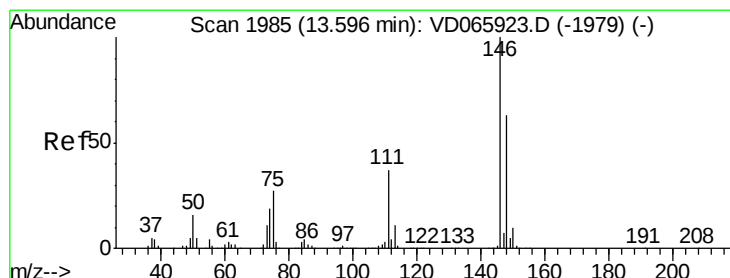
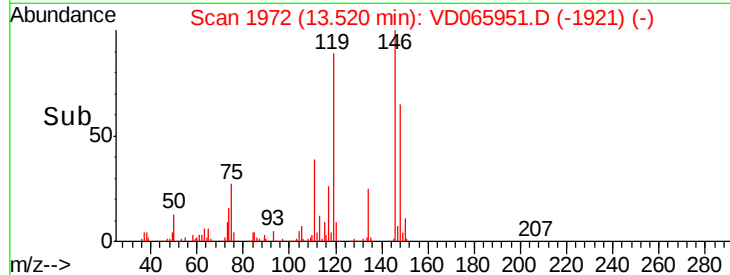
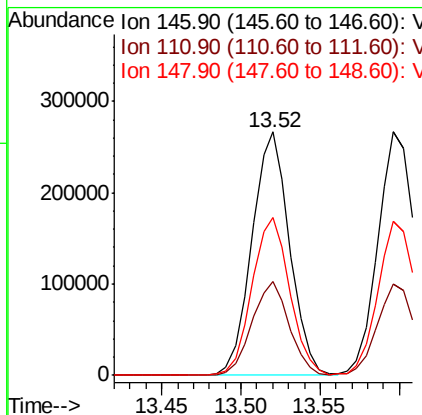
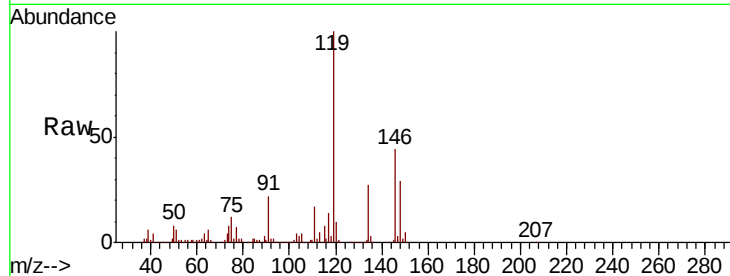




#87
 1,3-Dichlorobenzene
 Concen: 55.436 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

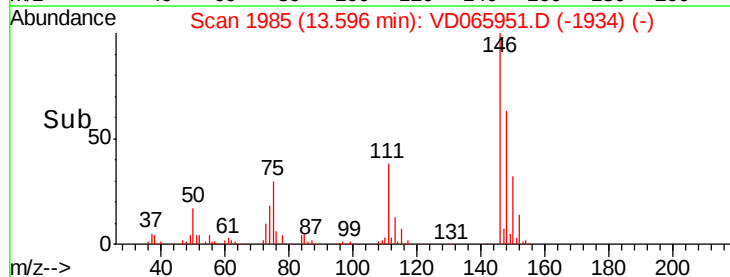
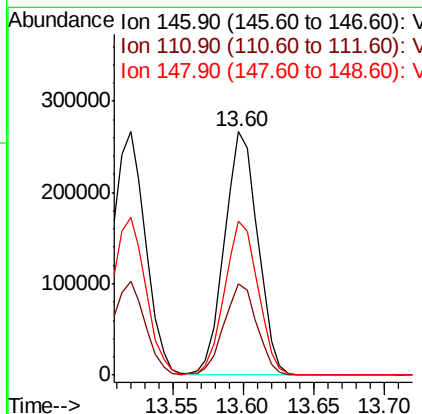
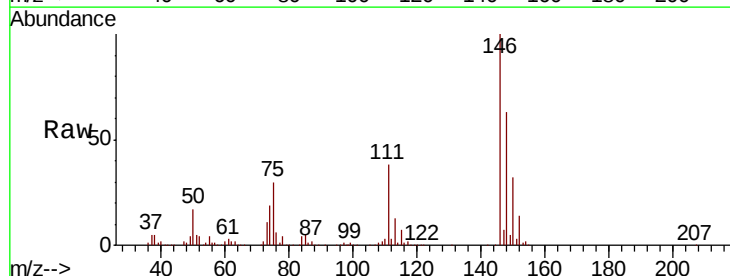
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

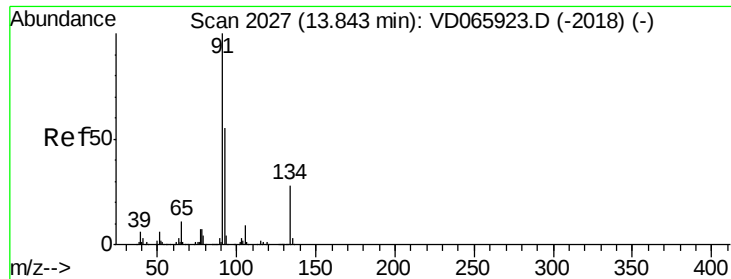
Tot Ion:146 Resp: 439610
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.3 57.8
 148 64.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 55.391 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion:146 Resp: 438216
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.7
 148 63.8 32.1 96.3

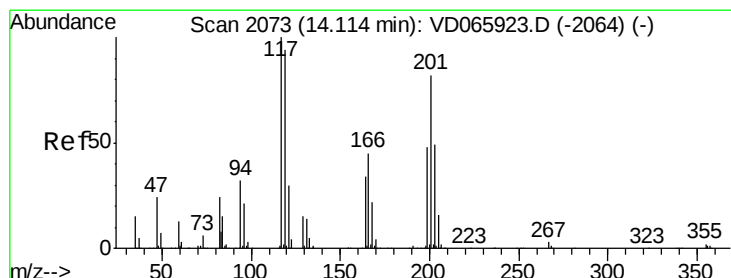
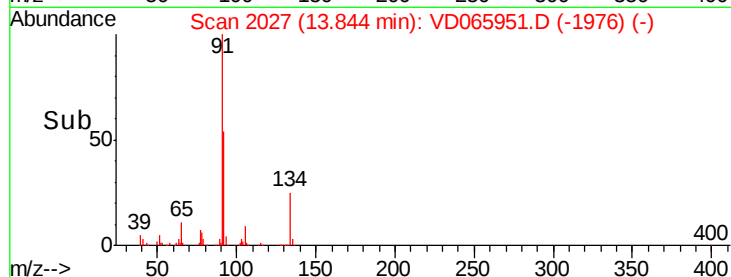
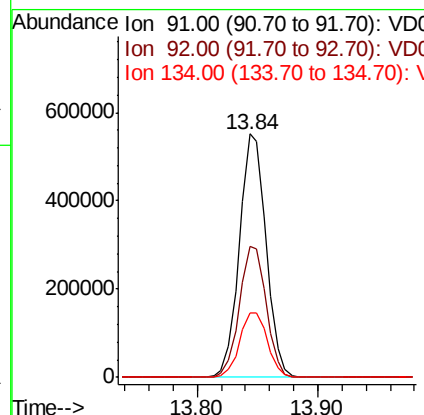
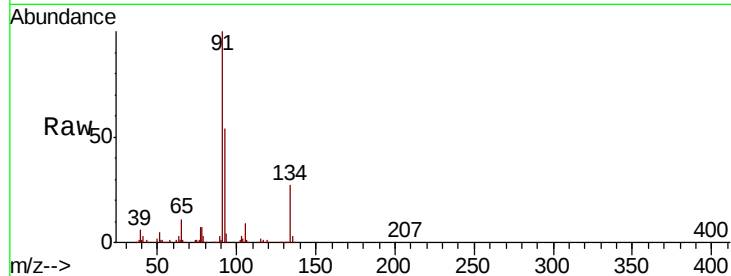




#89
n-Butylbenzene
Concen: 57.311 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

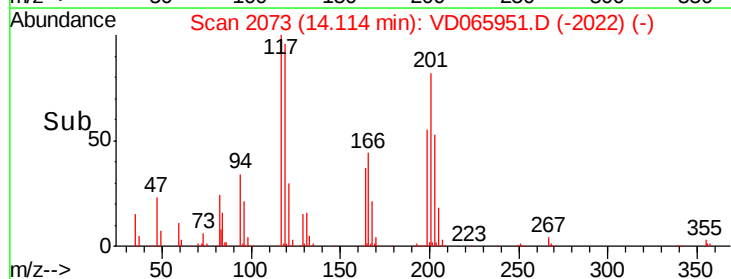
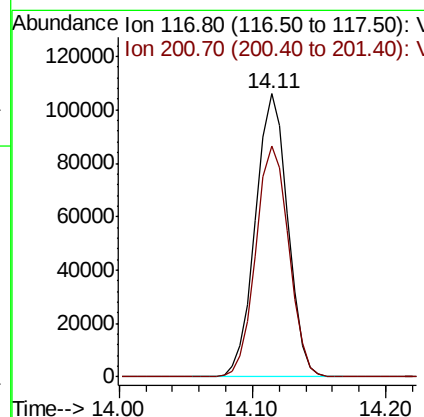
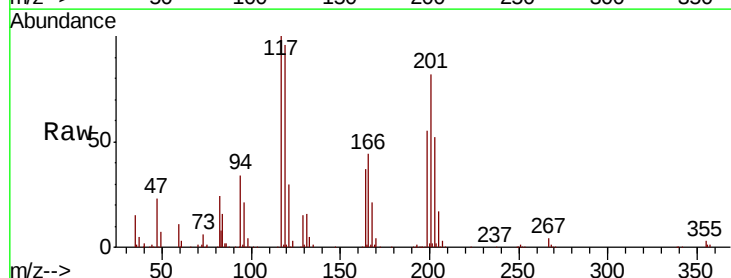
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

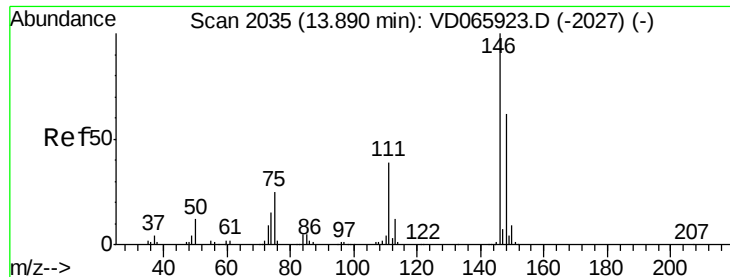
Tot Ion: 91 Resp: 849414
Ion Ratio Lower Upper
91 100
92 54.2 27.2 81.6
134 27.8 13.8 41.3



#90
Hexachloroethane
Concen: 55.718 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 117 Resp: 177335
Ion Ratio Lower Upper
117 100
201 83.2 40.0 120.0





#91

1,2-Dichlorobenzene

Concen: 55.723 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

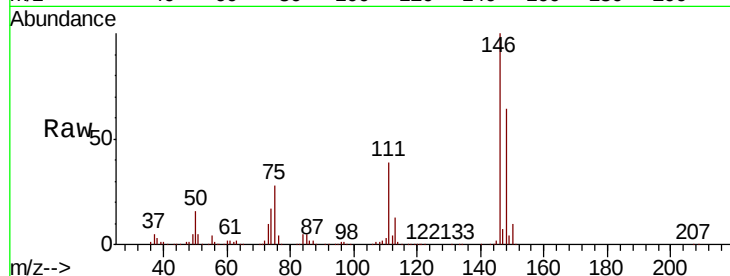
Tot Ion:146 Resp: 386218

Ion Ratio Lower Upper

146 100

111 39.0 19.7 59.0

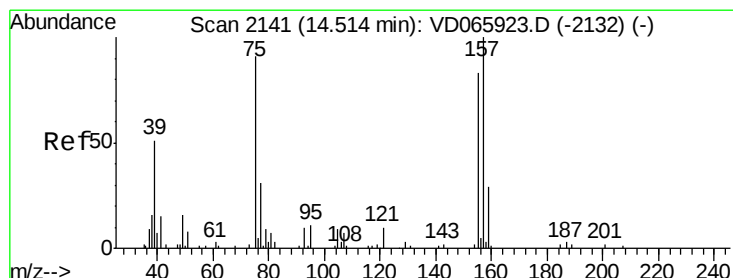
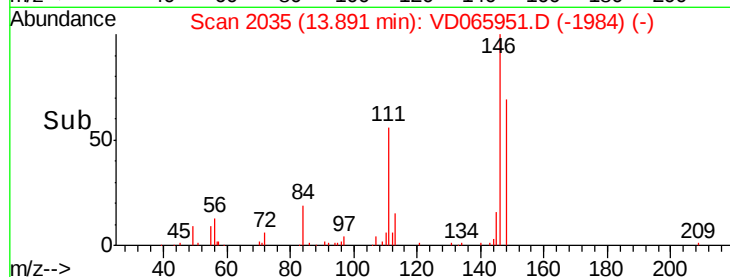
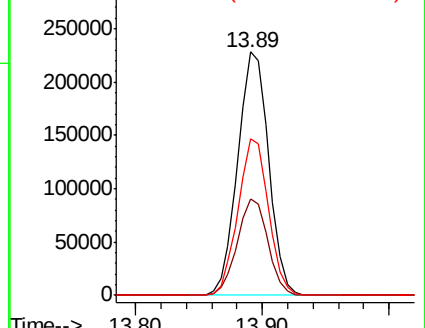
148 63.2 32.5 97.5



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: 52.701 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

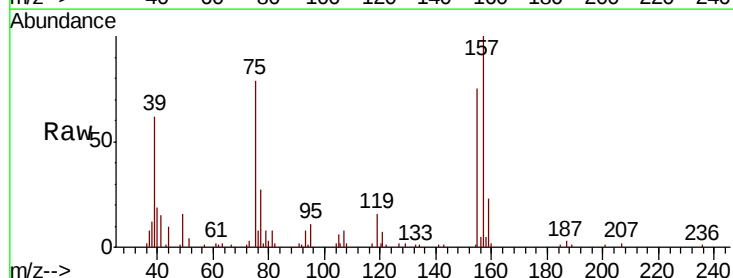
Tgt Ion: 75 Resp: 25563

Ion Ratio Lower Upper

75 100

155 92.6 45.3 135.8

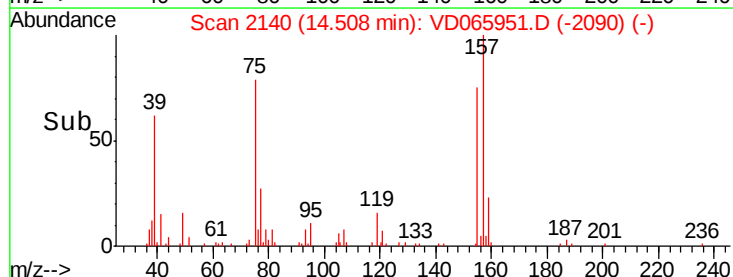
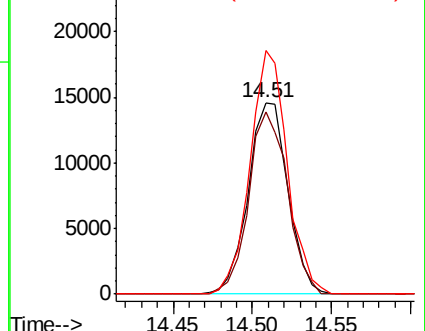
157 118.8 56.9 170.6

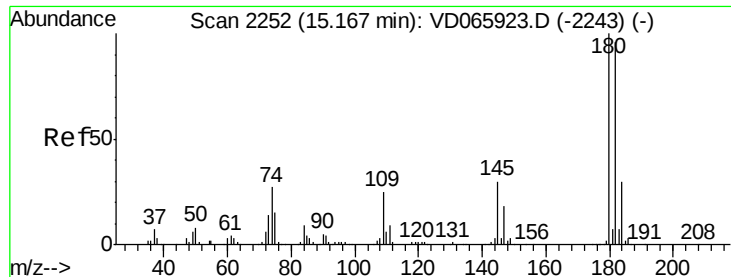


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

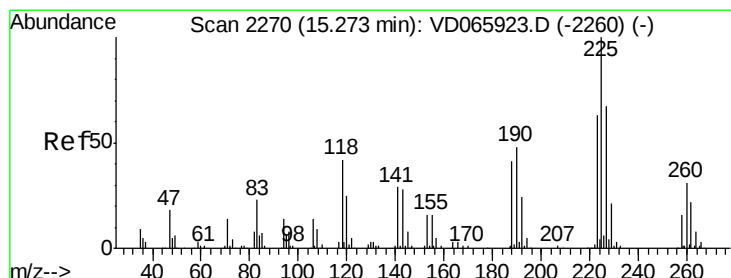
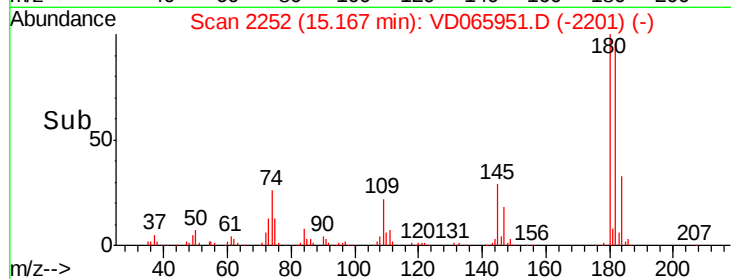
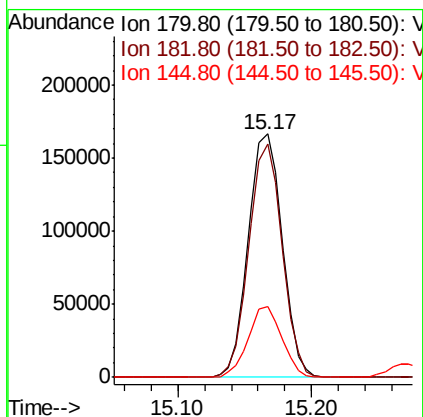
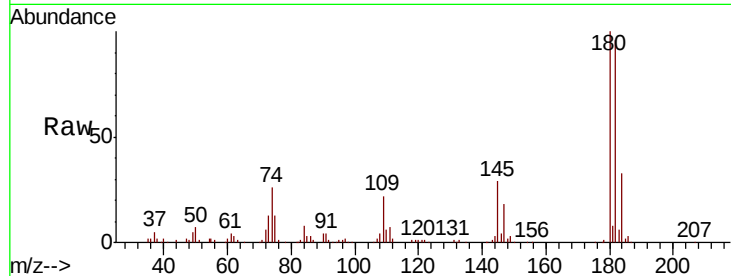




#93
 1,2,4-Trichlorobenzene
 Concen: 59.280 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

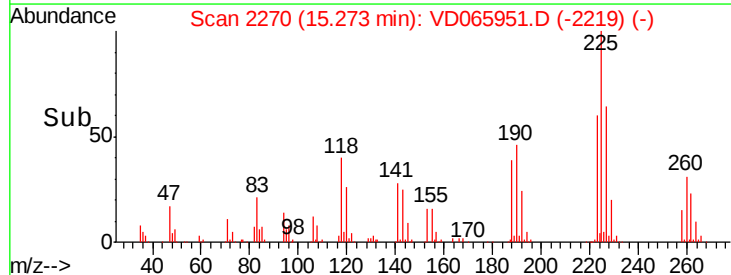
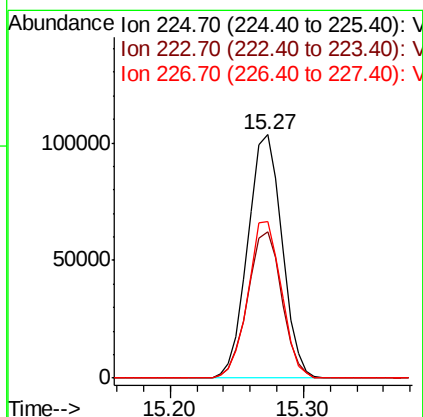
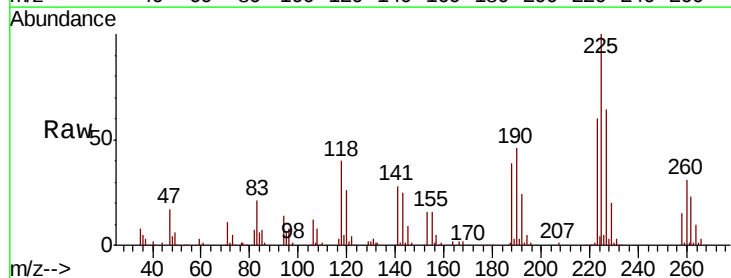
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

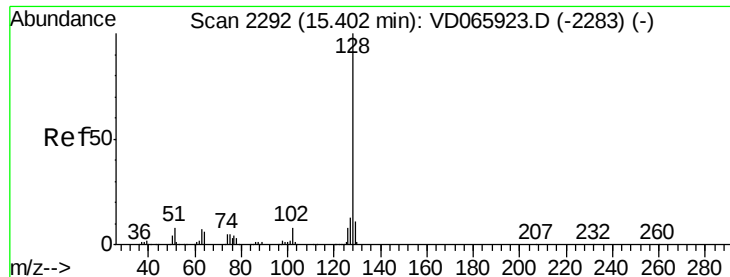
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.5	145.6
145	28.9	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 61.333 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	31.1	93.2
227	63.0	31.6	95.0

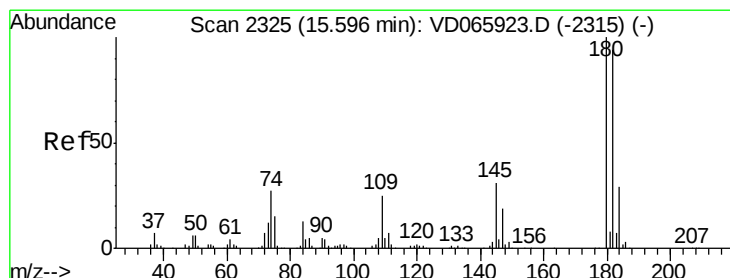
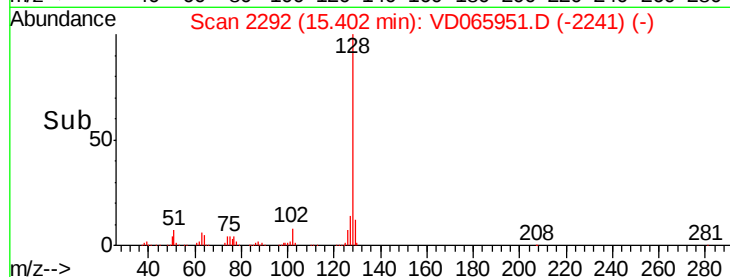
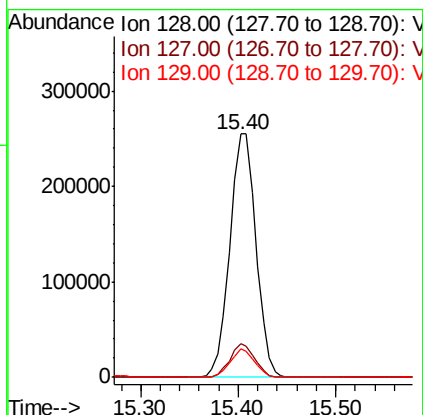
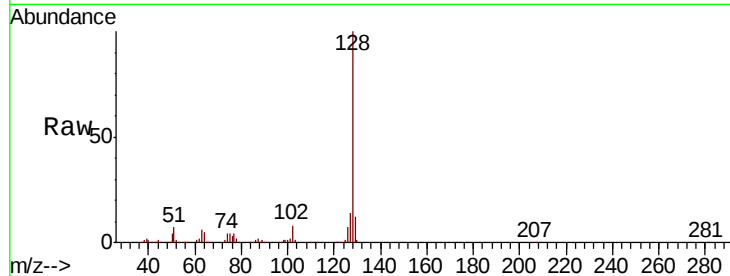




#95
Naphthalene
Concen: 57.264 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 474417
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 58.561 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion:180 Resp: 249520
Ion Ratio Lower Upper
180 100
182 95.3 47.6 142.8
145 31.2 16.1 48.2

