

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066950.D
 Acq On : 29 Sep 2020 21:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 30 04:22:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	401186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	623982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	578721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	175386	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
35) Dibromofluoromethane	7.91	113	186667	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	10.34	98	653866	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.63	95	232158	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135969	48.421	ug/l	96
3) Chloromethane	2.20	50	148304	40.234	ug/l	98
4) Vinyl Chloride	2.35	62	156354	42.936	ug/l	99
5) Bromomethane	2.77	94	114644	44.790	ug/l	95
6) Chloroethane	2.92	64	99234	43.881	ug/l	97
7) Trichlorofluoromethane	3.27	101	354734	47.431	ug/l	97
8) Diethyl Ether	3.71	74	106597	56.143	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210651	48.574	ug/l	98
10) Methyl Iodide	4.30	142	209057	54.629	ug/l	94
11) Tert butyl alcohol	5.22	59	73029	321.543	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	198409	50.505	ug/l	92
13) Acrolein	3.92	56	75225	259.694	ug/l	96
14) Allyl chloride	4.71	41	292729	50.745	ug/l	96
15) Acrylonitrile	5.42	53	234684	278.916	ug/l	98
16) Acetone	4.16	43	180500	216.693	ug/l	99
17) Carbon Disulfide	4.41	76	555234	46.229	ug/l	100
18) Methyl Acetate	4.71	43	109581	59.661	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	488167	57.220	ug/l	98
20) Methylene Chloride	4.96	84	253117	57.134	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	233967	51.435	ug/l	97
22) Diisopropyl ether	6.36	45	642011	54.128	ug/l	99
23) Vinyl Acetate	6.30	43	1713492	265.913	ug/l	97
24) 1,1-Dichloroethane	6.26	63	401530	50.604	ug/l	96
25) 2-Butanone	7.21	43	269650	269.377	ug/l	100
26) 2,2-Dichloropropane	7.21	77	334196	45.952	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	268550	54.337	ug/l	96
28) Bromochloromethane	7.54	49	166568	50.813	ug/l #	91
29) Tetrahydrofuran	7.56	42	183615	286.272	ug/l	96
30) Chloroform	7.71	83	445065	52.035	ug/l	99
31) Cyclohexane	7.98	56	318639	44.630	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	390982	50.532	ug/l	98
36) 1,1-Dichloropropene	8.11	75	323378	52.239	ug/l	99
37) Ethyl Acetate	7.29	43	131505	58.763	ug/l	97
38) Carbon Tetrachloride	8.09	117	347968	51.415	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	368750	51.882	ug/l	95
40) Benzene	8.35	78	942473	54.628	ug/l	98
41) Methacrylonitrile	7.56	41	180331	131.033	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	274763	53.872	ug/l	99
43) Isopropyl Acetate	8.45	43	244090	56.574	ug/l	99
44) Trichloroethene	9.11	130	267444	54.385	ug/l	100
45) 1,2-Dichloropropane	9.38	63	235678	54.294	ug/l	95
46) Dibromomethane	9.47	93	131518	55.765	ug/l	97
47) Bromodichloromethane	9.66	83	347134	54.792	ug/l #	96
48) Methyl methacrylate	9.46	41	116043	54.551	ug/l	97
49) 1,4-Dioxane	9.46	88	32810	1252.989	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	650491	297.545	ug/l	98
52) Toluene	10.40	92	616847	55.507	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	306606	56.859	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	367331	55.866	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	185064	57.080	ug/l	97
56) Ethyl methacrylate	10.66	69	219240	63.122	ug/l	97
57) 1,3-Dichloropropane	10.94	76	303508	56.692	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	425995	259.030	ug/l	98
59) 2-Hexanone	10.98	43	436068	295.777	ug/l	95
60) Dibromochloromethane	11.14	129	250352	59.164	ug/l	98
61) 1,2-Dibromoethane	11.24	107	181599	60.219	ug/l	98
64) Tetrachloroethene	10.87	164	232539	55.861	ug/l	98
65) Chlorobenzene	11.67	112	659263	54.727	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	259297	56.872	ug/l	100
67) Ethyl Benzene	11.74	91	1181843	55.860	ug/l	99
68) m/p-Xylenes	11.86	106	924501	115.412	ug/l	97
69) o-Xylene	12.18	106	421090	58.135	ug/l	98
70) Styrene	12.20	104	733833	58.339	ug/l	100
71) Bromoform	12.36	173	137182	59.426	ug/l #	98
73) Isopropylbenzene	12.48	105	1141427	56.451	ug/l	99
74) N-amyl acetate	12.29	43	226242	57.296	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	191687	54.940	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	253992	109.499	ug/l #	100
77) Bromobenzene	12.76	156	268935	56.869	ug/l	94
78) n-propylbenzene	12.82	91	1326089	54.514	ug/l	99
79) 2-Chlorotoluene	12.91	91	753628	54.367	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	964639	56.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	56634	61.086	ug/l	95
82) 4-Chlorotoluene	13.01	91	797997	54.611	ug/l	99
83) tert-Butylbenzene	13.23	119	793381	56.275	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	967690	56.880	ug/l	99
85) sec-Butylbenzene	13.40	105	1123318	55.409	ug/l	99
86) p-Isopropyltoluene	13.52	119	1049972	57.457	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	519995	55.657	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	503417	54.252	ug/l	99
89) n-Butylbenzene	13.85	91	950573	54.727	ug/l	99
90) Hexachloroethane	14.11	117	198057	53.385	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	450286	56.334	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31493	56.111	ug/l	90

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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

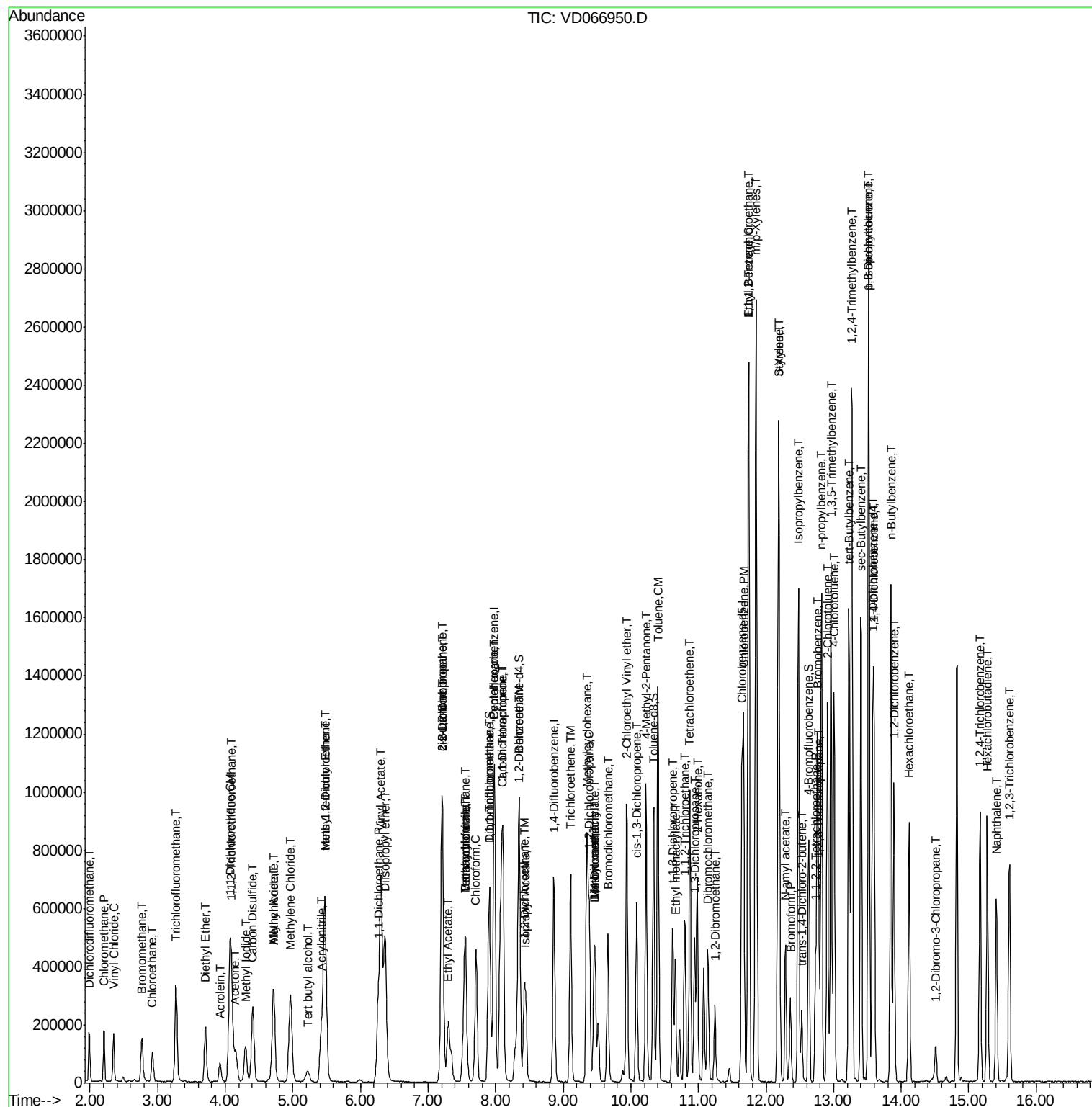
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	298850	59.393	ug/l	98
94) Hexachlorobutadiene	15.27	225	171263	56.799	ug/l	99
95) Naphthalene	15.41	128	554183	64.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	265696	61.178	ug/l	99

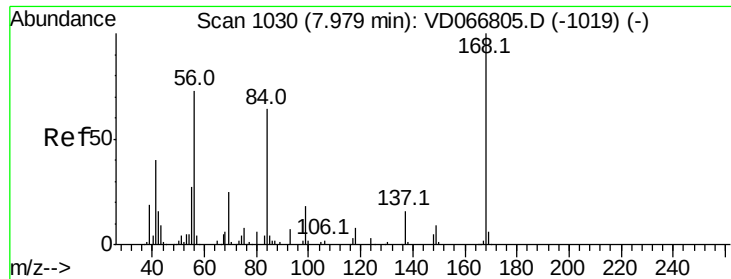
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

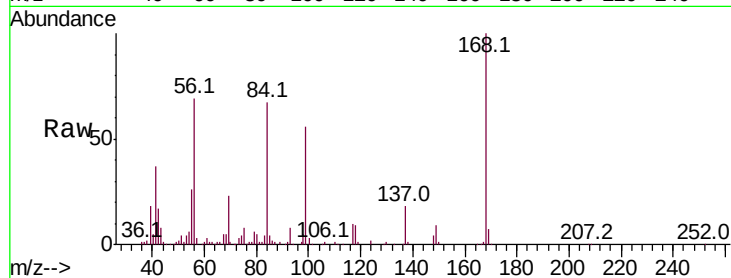
VSTDCCC050

Tot Ion:168 Resp: 401186

Ion Ratio Lower Upper

168 100

99 55.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

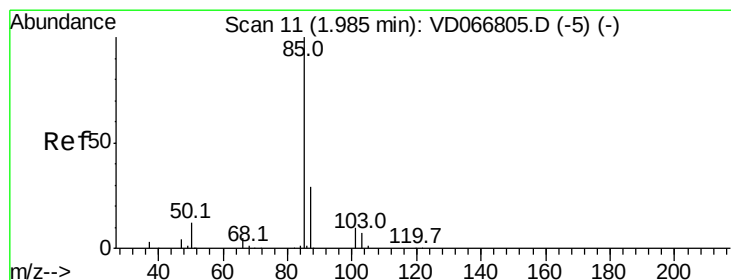
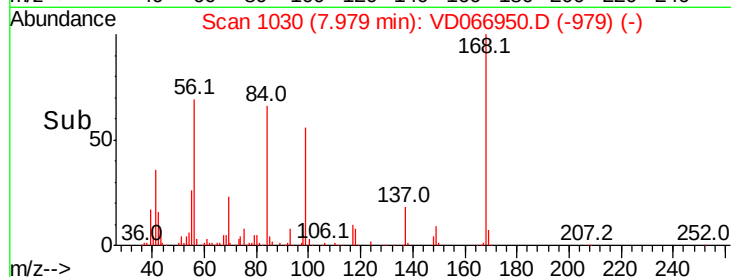
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 48.421 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066950.D

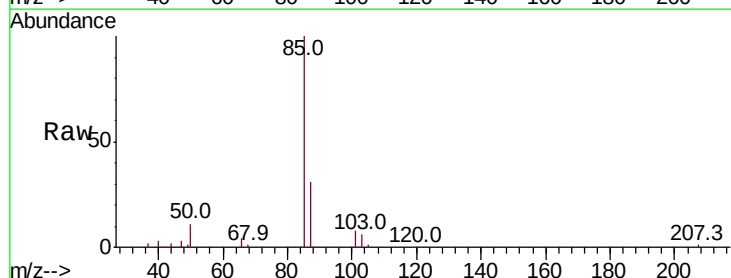
Acq: 29 Sep 2020 21:20

Tgt Ion: 85 Resp: 135969

Ion Ratio Lower Upper

85 100

87 31.0 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

40000

20000

0

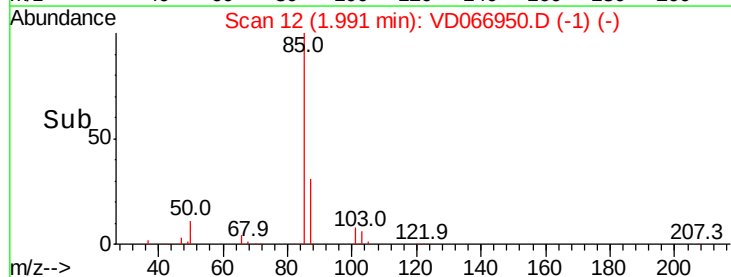
Time-->

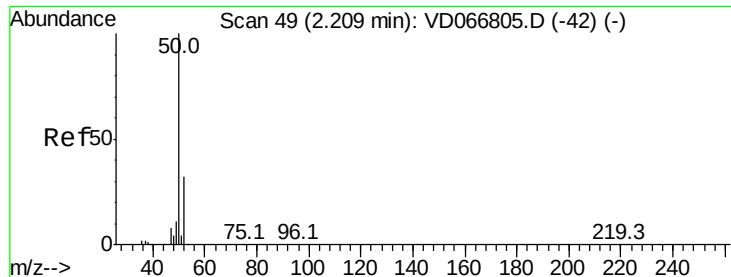
1.90

1.95

2.00

2.05





#3

Chloromethane

Concen: 40.234 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

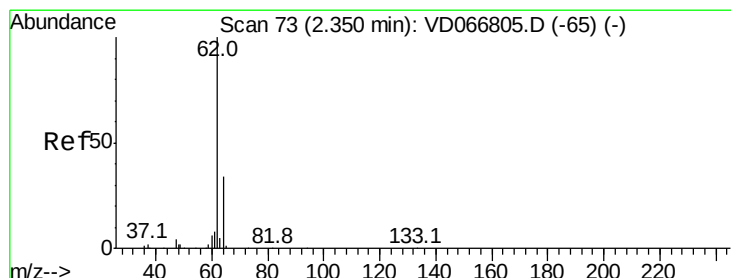
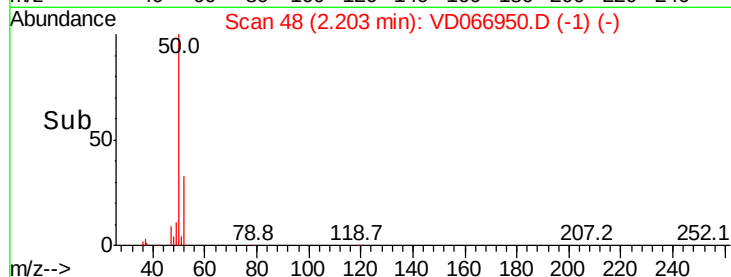
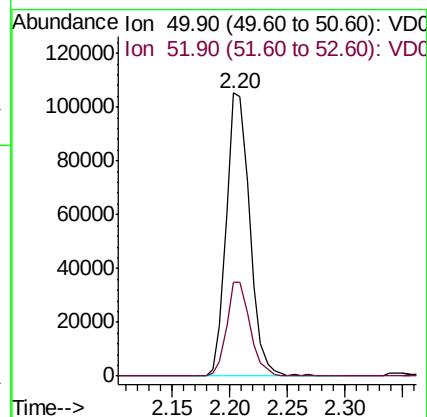
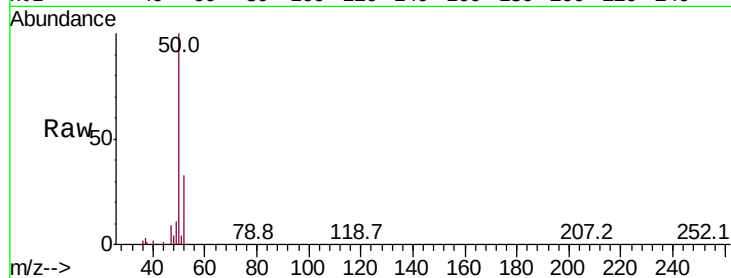
VSTDCCC050

Tot Ion: 50 Resp: 148304

Ion Ratio Lower Upper

50 100

52 33.2 25.5 38.3



#4

Vinyl Chloride

Concen: 42.936 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066950.D

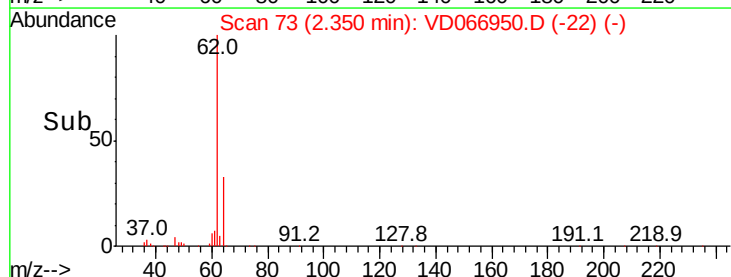
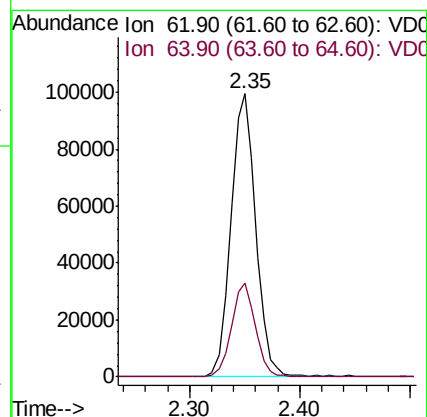
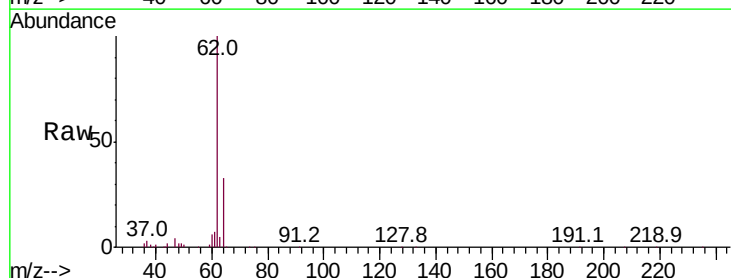
Acq: 29 Sep 2020 21:20

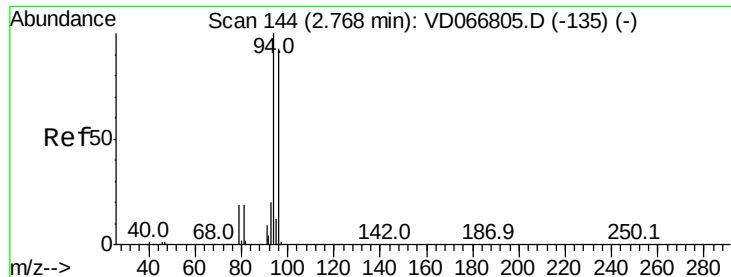
Tgt Ion: 62 Resp: 156354

Ion Ratio Lower Upper

62 100

64 33.3 27.0 40.4





#5

Bromomethane

Concen: 44.790 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

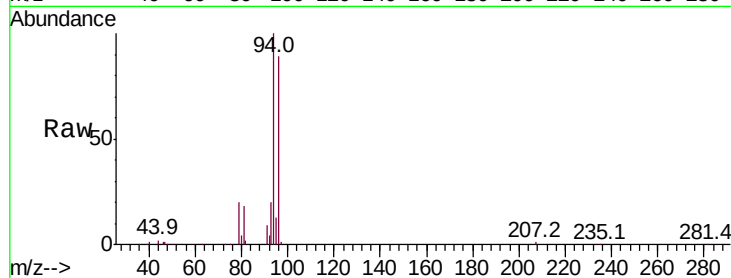
VSTDCCC050

Tot Ion: 94 Resp: 114644

Ion Ratio Lower Upper

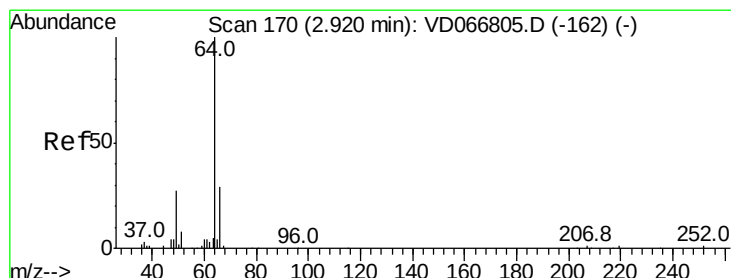
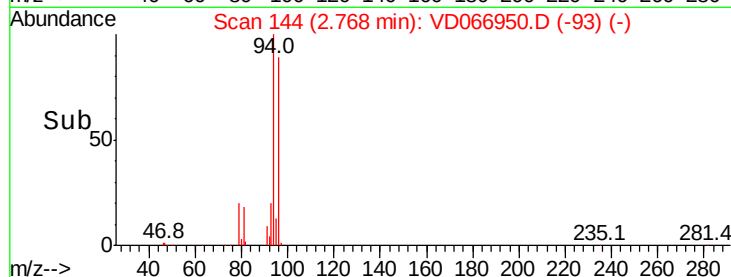
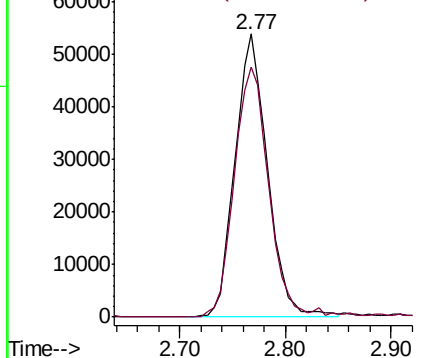
94 100

96 88.6 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.881 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066950.D

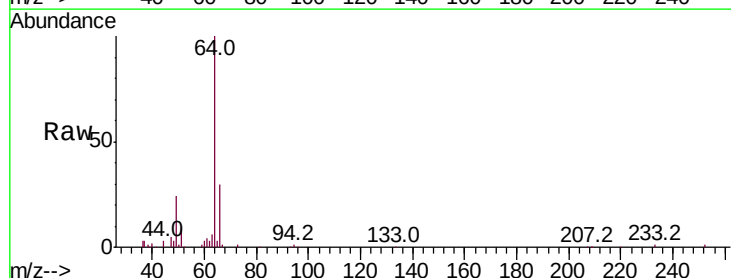
Acq: 29 Sep 2020 21:20

Tgt Ion: 64 Resp: 99234

Ion Ratio Lower Upper

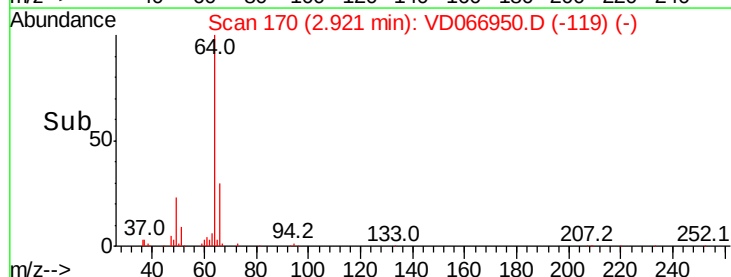
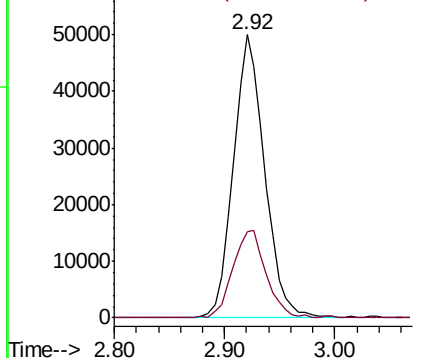
64 100

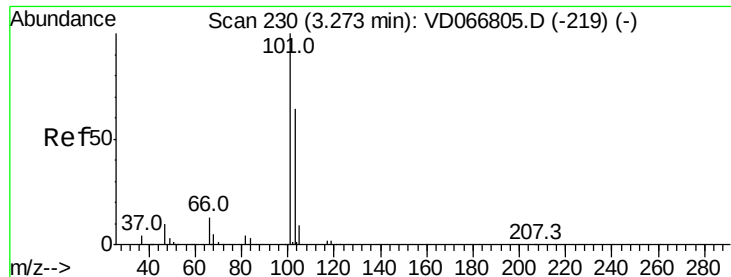
66 30.4 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



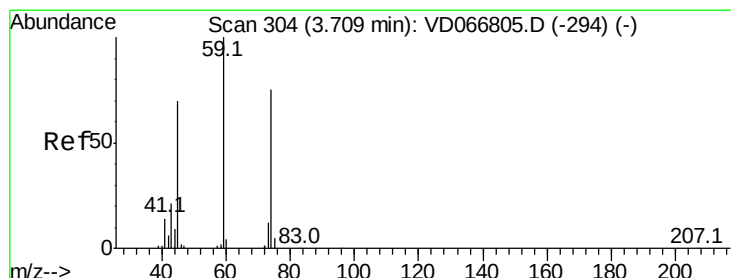
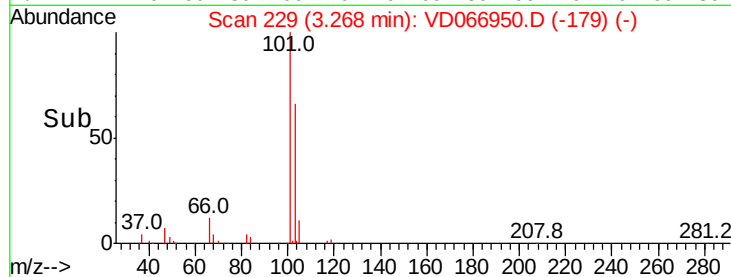
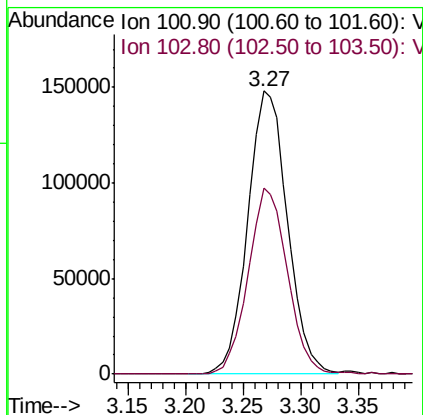
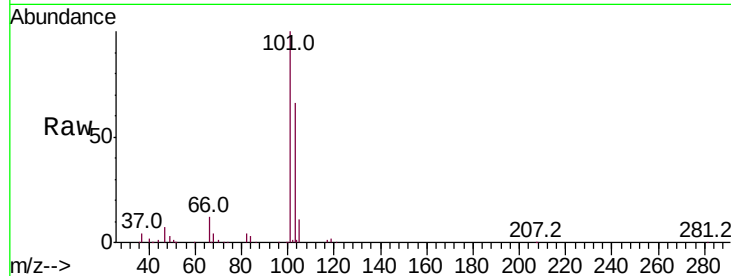


#7

Trichlorofluoromethane
 Concen: 47.431 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066950.D
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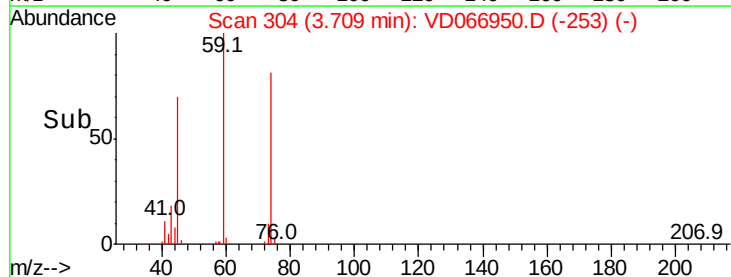
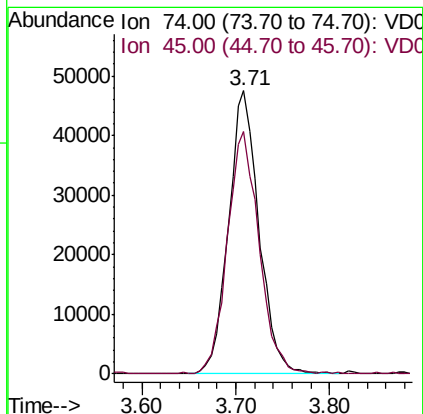
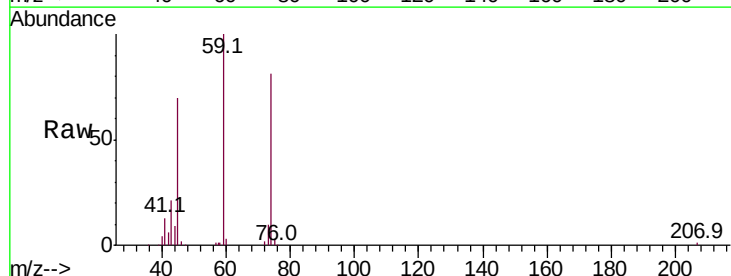
Tot Ion:101 Resp: 354734
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6

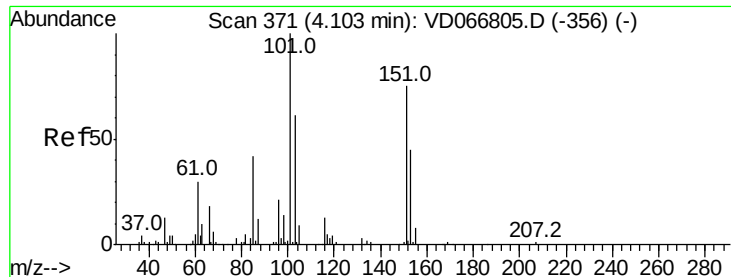


#8

Diethyl Ether
 Concen: 56.143 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion: 74 Resp: 106597
 Ion Ratio Lower Upper
 74 100
 45 89.7 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.574 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

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VSTDCCC050

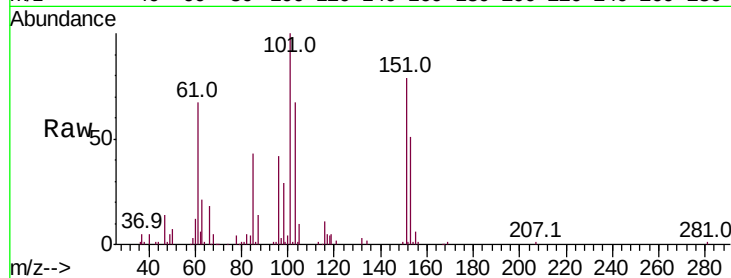
Tot Ion:101 Resp: 210651

Ion Ratio Lower Upper

101 100

85 41.7 35.4 53.2

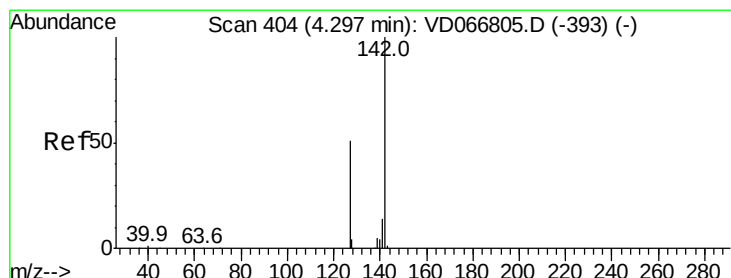
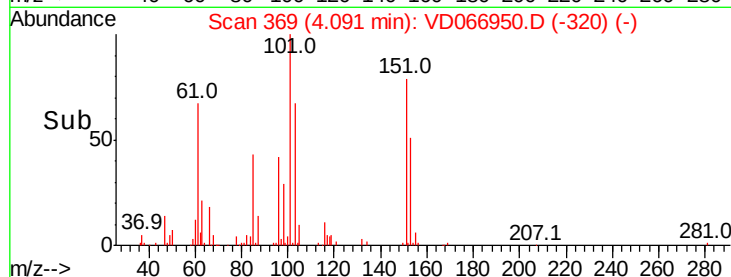
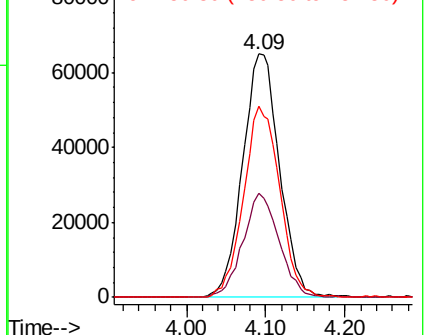
151 77.2 61.4 92.0



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: 54.629 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

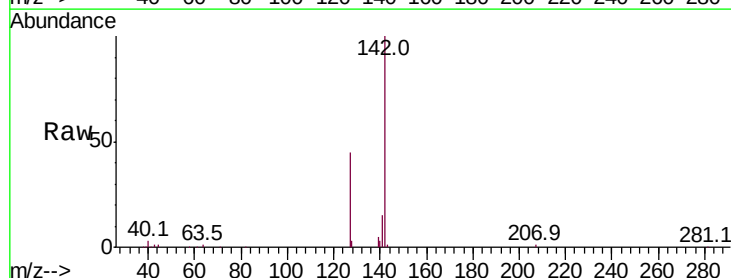
Tgt Ion:142 Resp: 209057

Ion Ratio Lower Upper

142 100

127 43.9 39.4 59.0

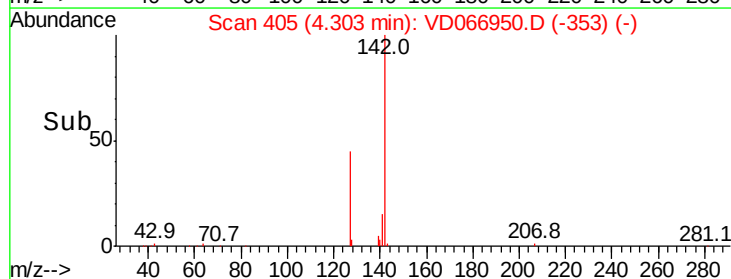
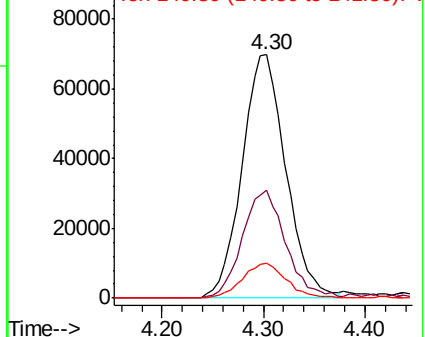
141 14.4 12.1 18.1

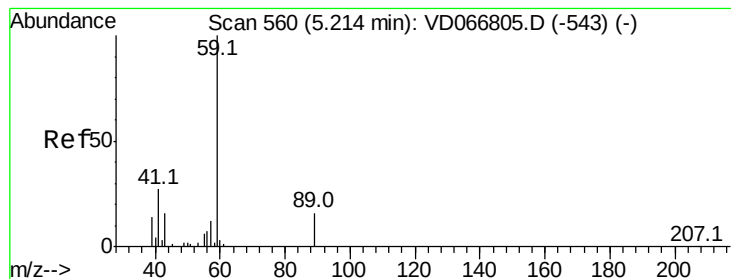


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 321.543 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

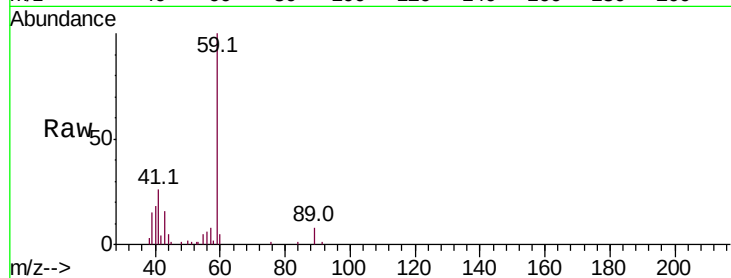
VSTDCCC050

Tot Ion: 59 Resp: 73029

Ion Ratio Lower Upper

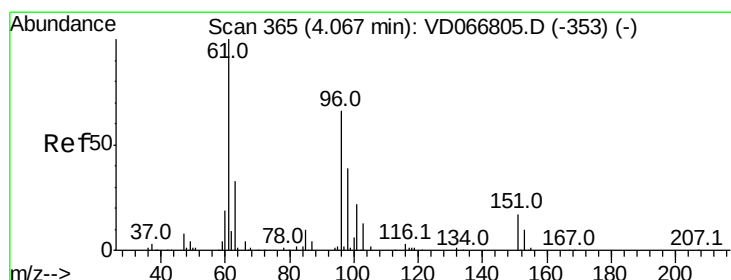
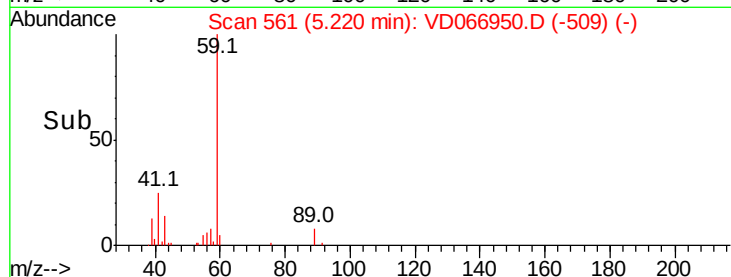
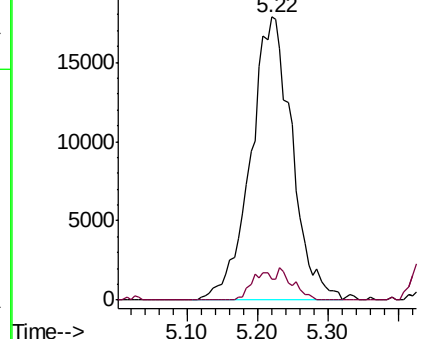
59 100

57 4.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 50.505 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

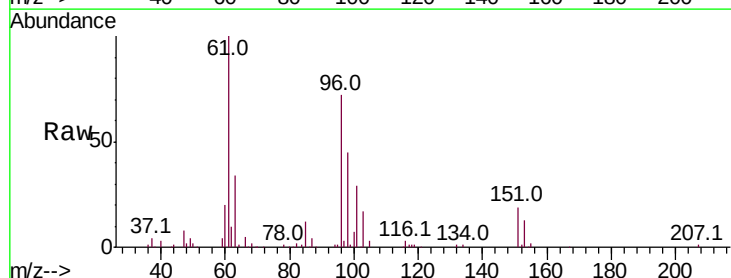
Tgt Ion: 96 Resp: 198409

Ion Ratio Lower Upper

96 100

61 138.6 120.8 181.2

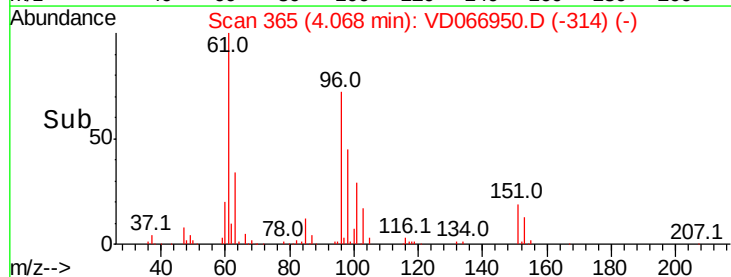
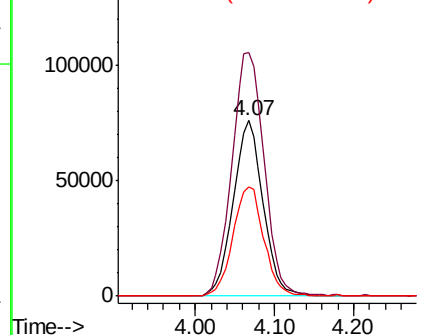
98 62.2 47.7 71.5

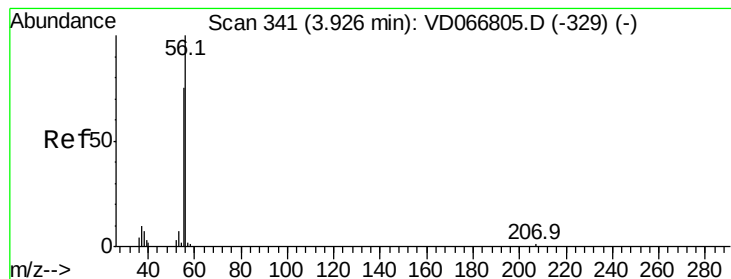


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 259.694 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

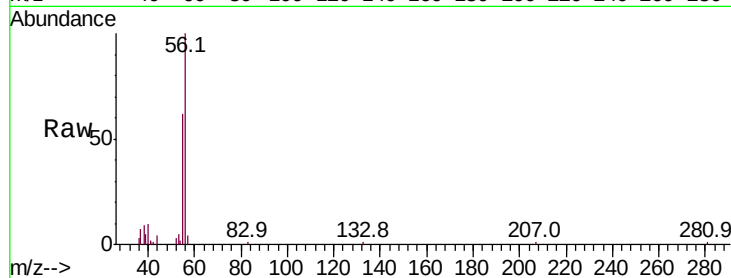
VSTDCCC050

Tot Ion: 56 Resp: 75225

Ion Ratio Lower Upper

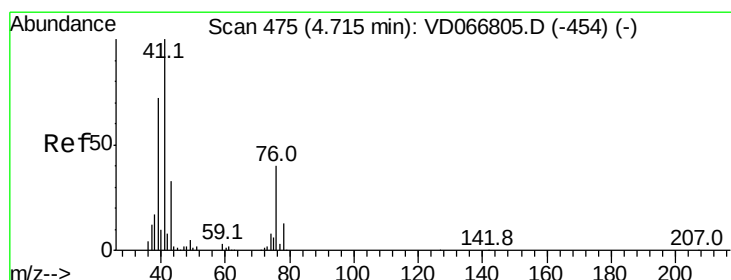
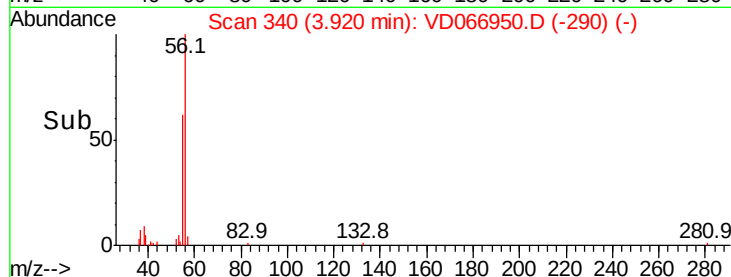
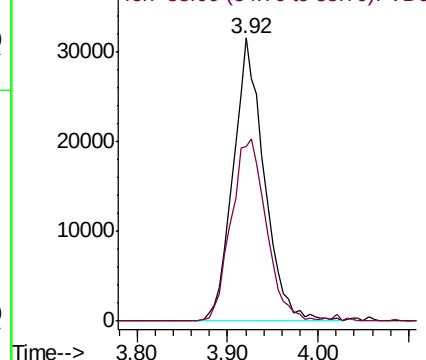
56 100

55 72.2 60.3 90.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.745 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

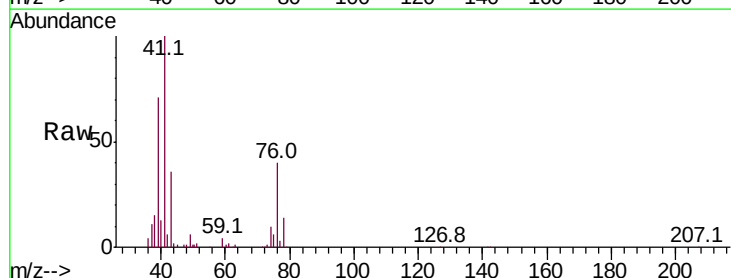
Tgt Ion: 41 Resp: 292729

Ion Ratio Lower Upper

41 100

39 68.7 57.8 86.8

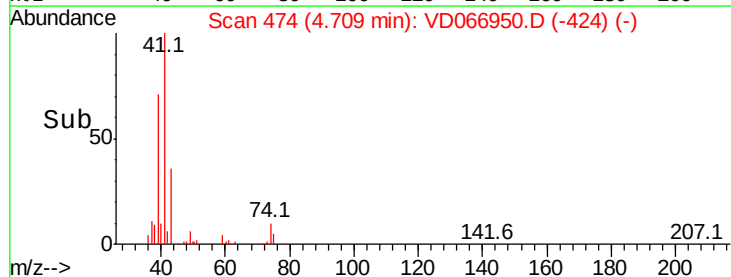
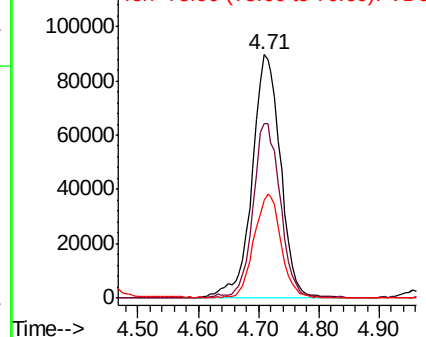
76 40.7 30.9 46.3

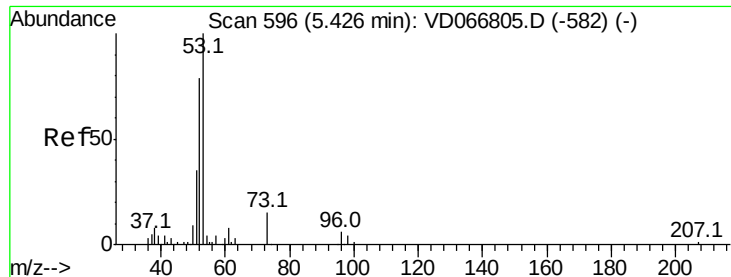


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 278.916 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

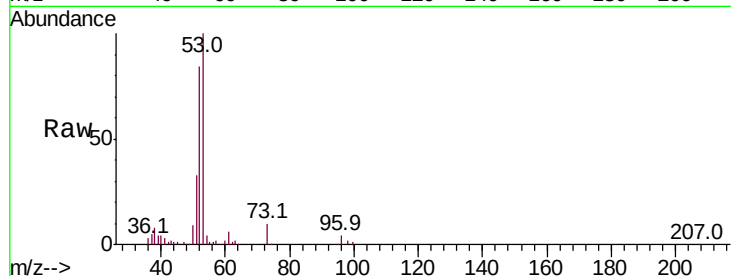
Tot Ion: 53 Resp: 234684

Ion Ratio Lower Upper

53 100

52 80.0 65.2 97.8

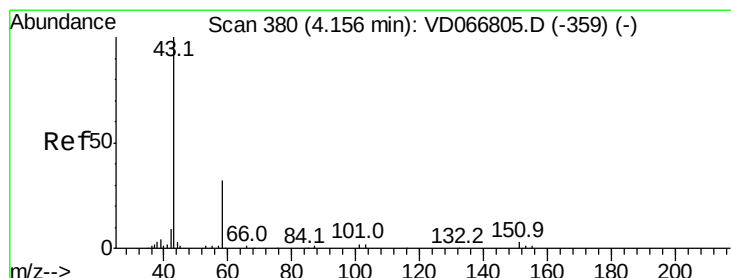
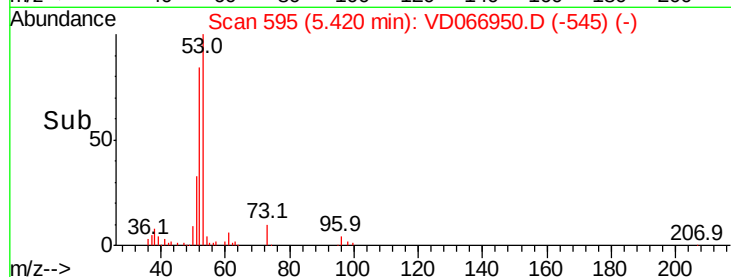
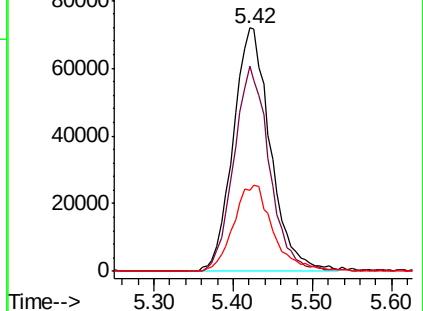
51 37.3 30.6 46.0



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: 216.693 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066950.D

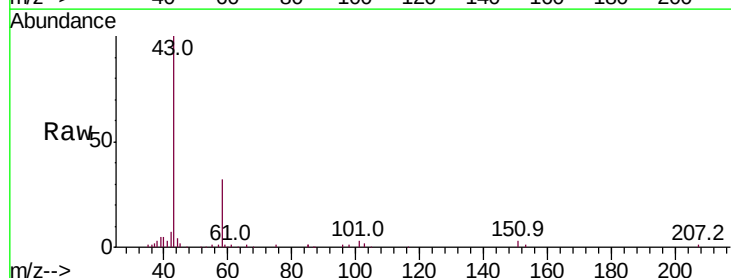
Acq: 29 Sep 2020 21:20

Tgt Ion: 43 Resp: 180500

Ion Ratio Lower Upper

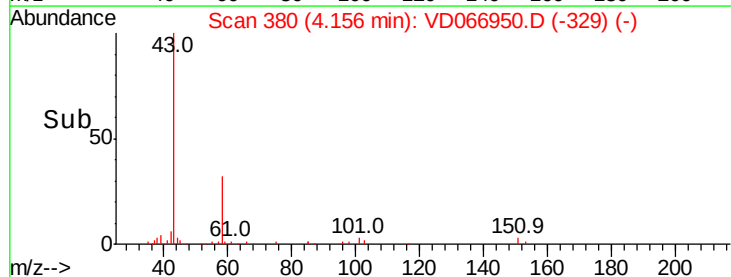
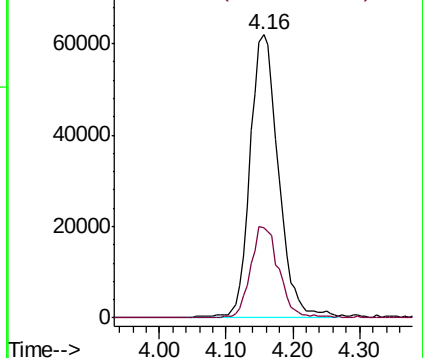
43 100

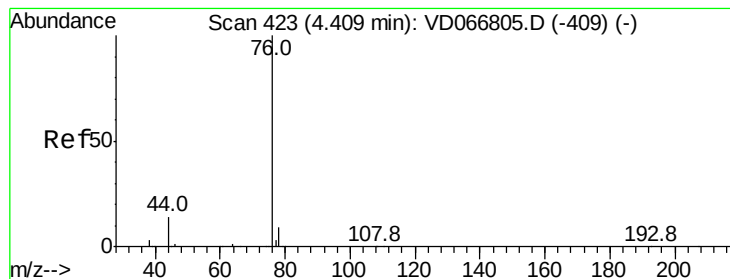
58 31.7 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 46.229 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

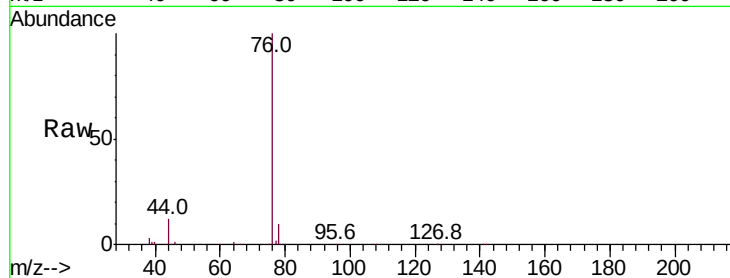
VSTDCCC050

Tot Ion: 76 Resp: 555234

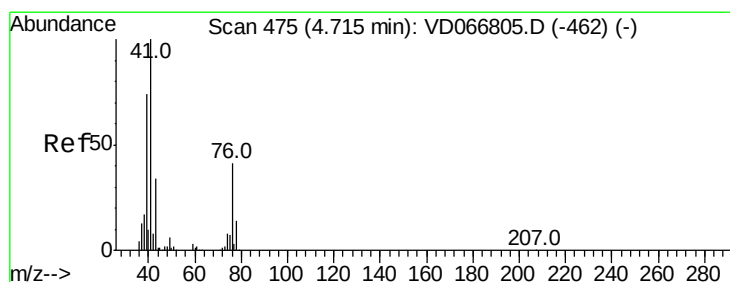
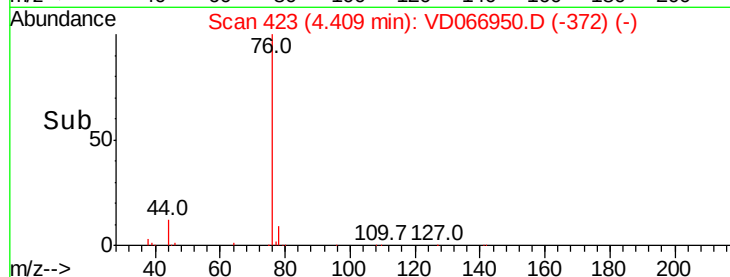
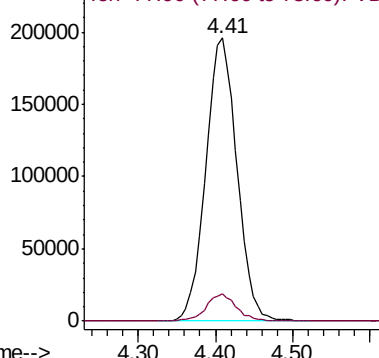
Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 59.661 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066950.D

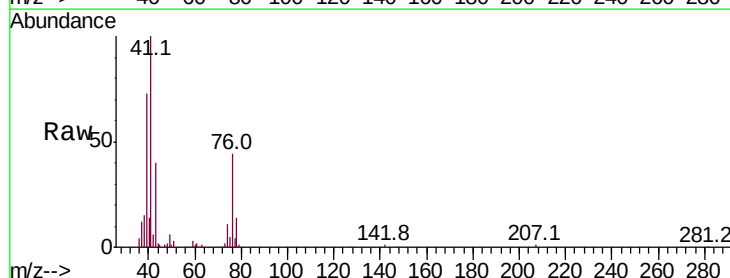
Acq: 29 Sep 2020 21:20

Tgt Ion: 43 Resp: 109581

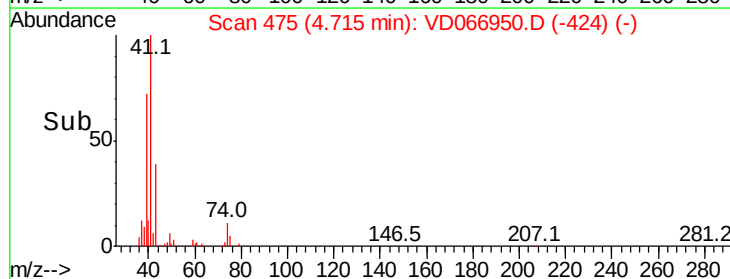
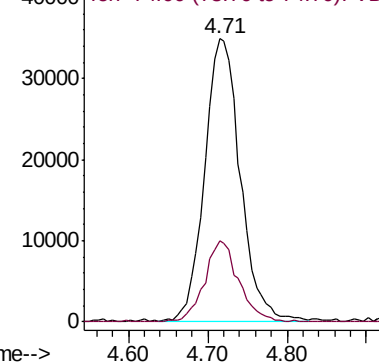
Ion Ratio Lower Upper

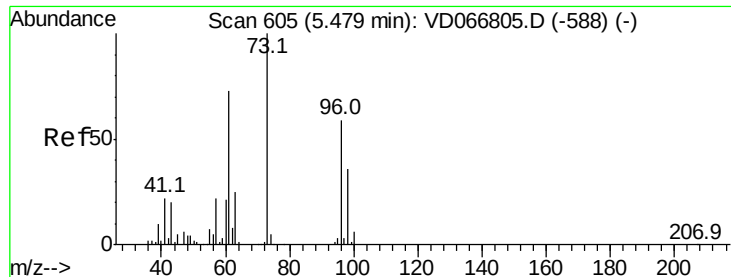
43 100

74 27.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

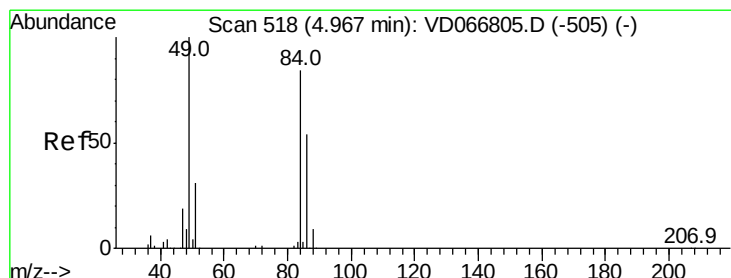
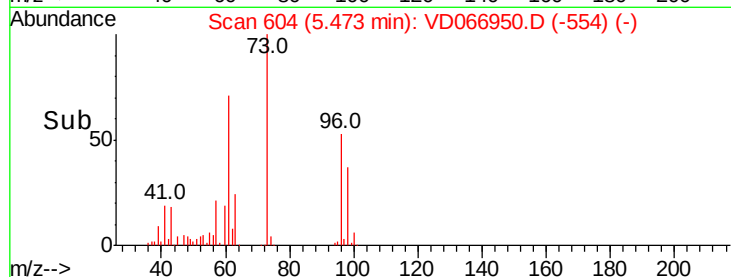
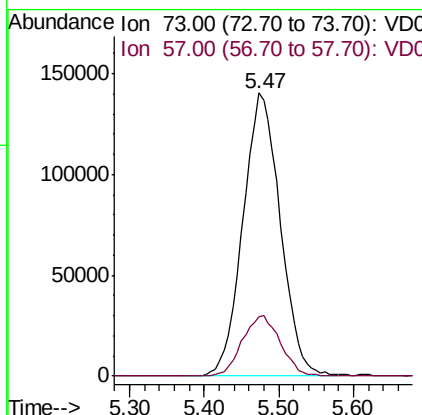
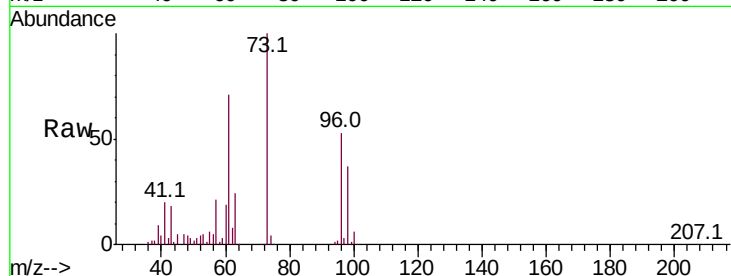




#19
Methyl tert-butyl Ether
Concen: 57.220 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

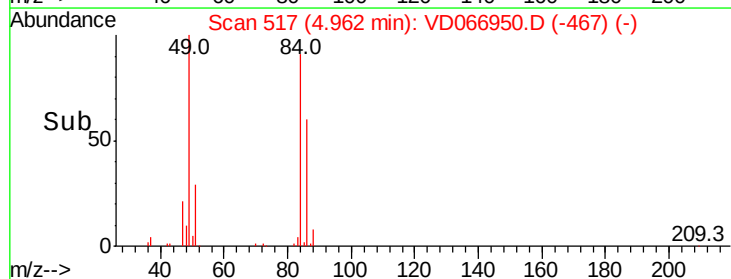
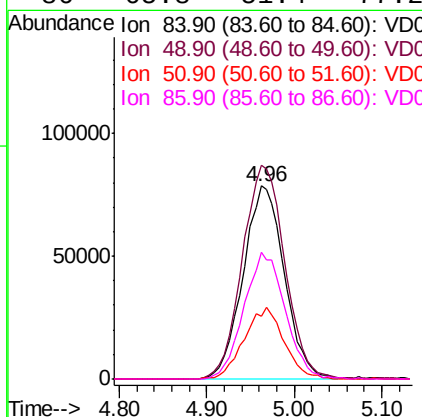
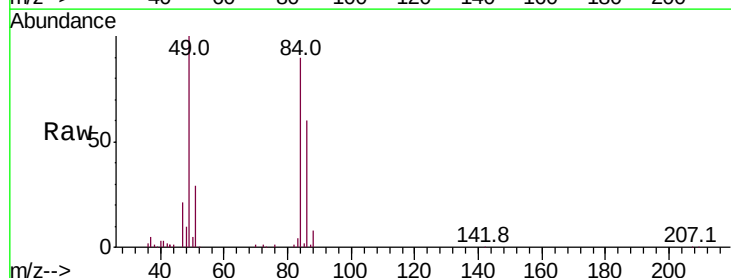
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

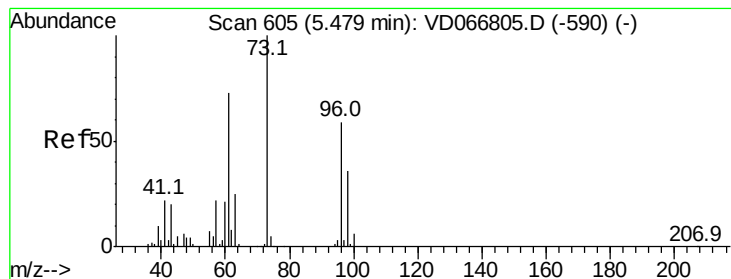
Tot Ion: 73 Resp: 488167
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2



#20
Methylene Chloride
Concen: 57.134 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 84 Resp: 253117
Ion Ratio Lower Upper
84 100
49 110.6 95.4 143.2
51 32.3 29.7 44.5
86 65.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.435 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

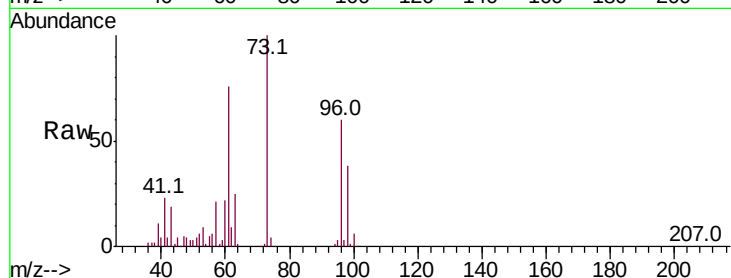
Tot Ion: 96 Resp: 233967

Ion Ratio Lower Upper

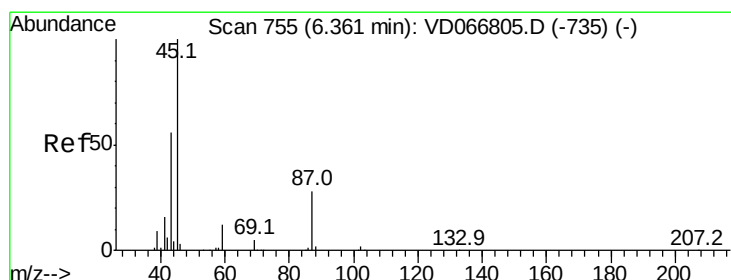
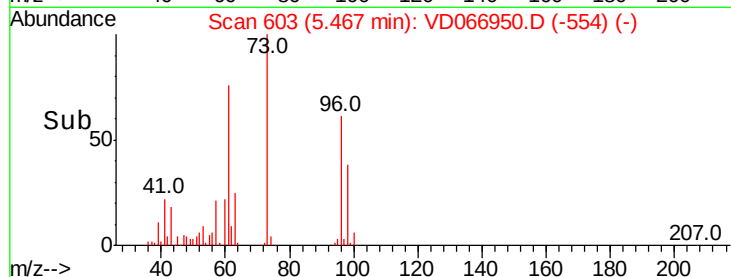
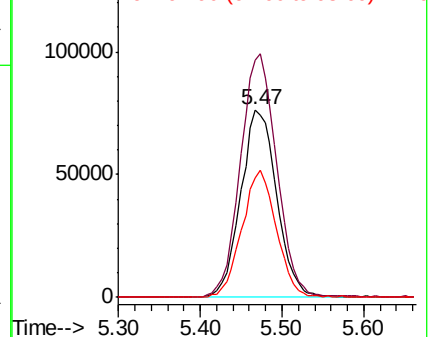
96 100

61 126.3 98.9 148.3

98 63.4 48.4 72.6



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: 54.128 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion: 45 Resp: 642011

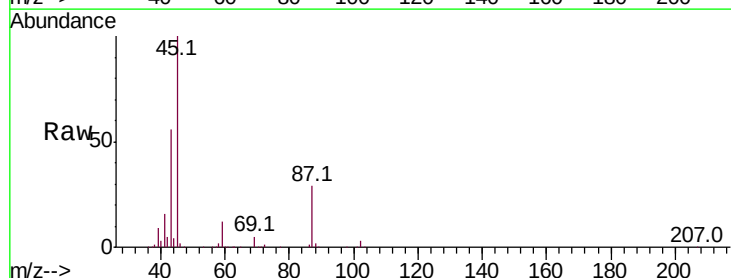
Ion Ratio Lower Upper

45 100

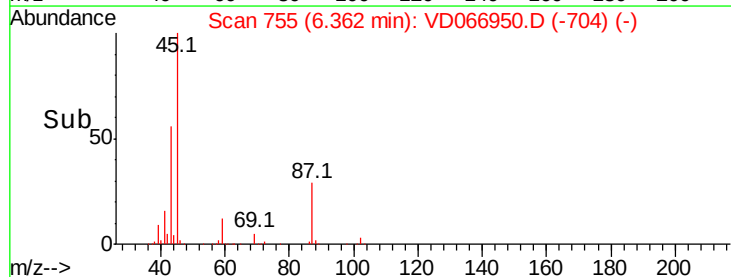
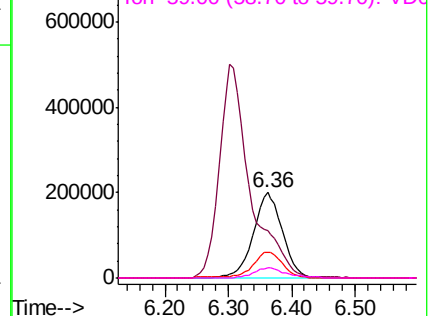
43 55.2 44.5 66.7

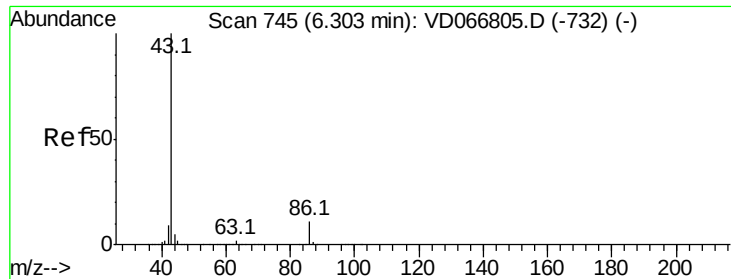
87 29.2 22.9 34.3

59 11.4 9.4 14.0



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

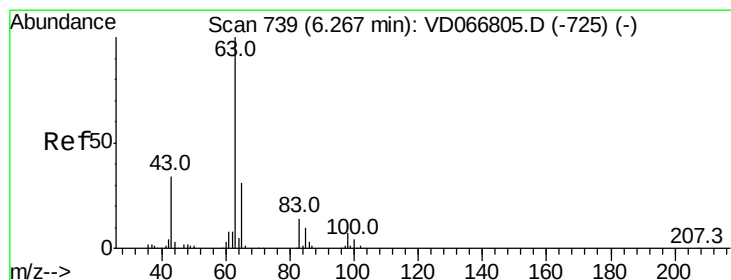
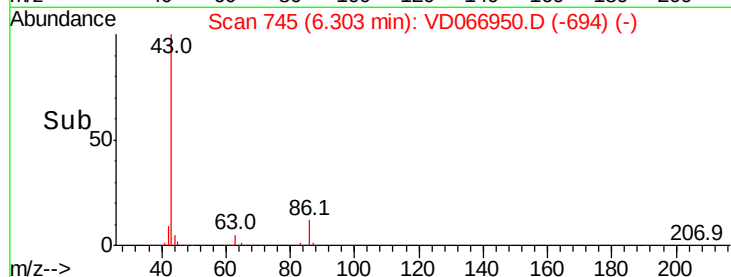
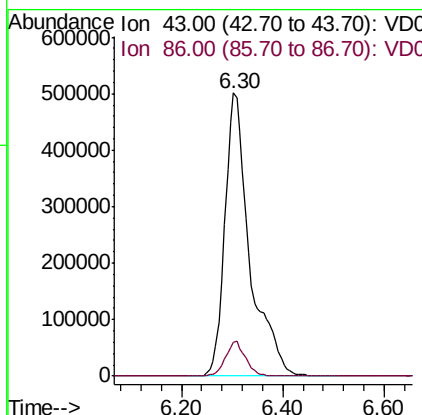
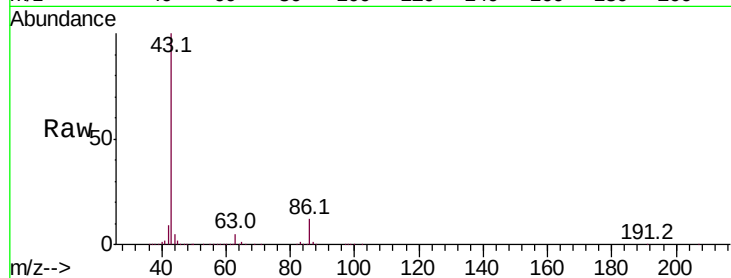




#23
 Vinyl Acetate
 Concen: 265.913 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

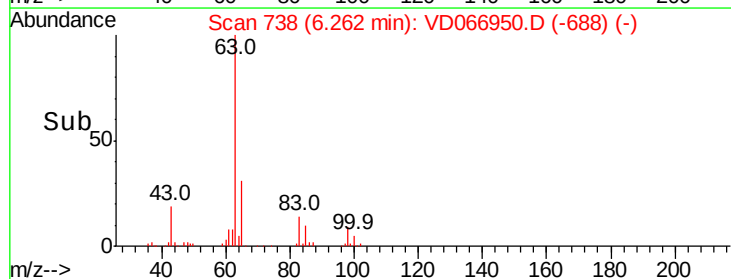
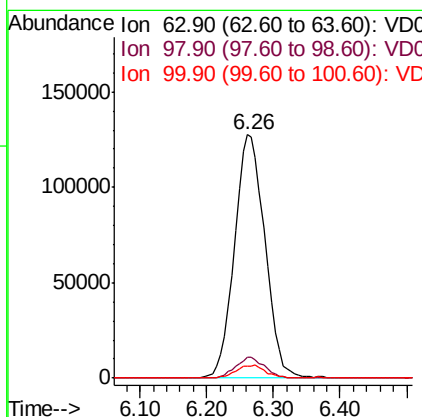
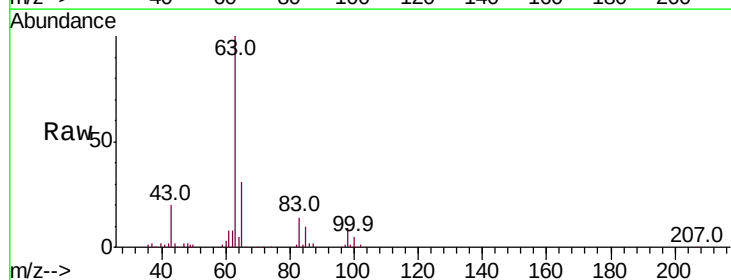
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

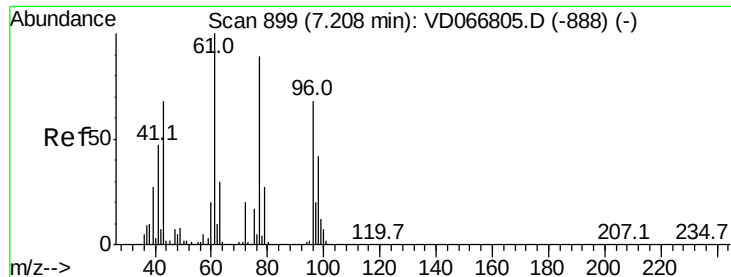
Tot Ion: 43 Resp: 1713492
 Ion Ratio Lower Upper
 43 100
 86 12.1 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 50.604 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion: 63 Resp: 401530
 Ion Ratio Lower Upper
 63 100
 98 8.7 3.7 11.1
 100 4.8 1.8 5.5





#25

2-Butanone

Concen: 269.377 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

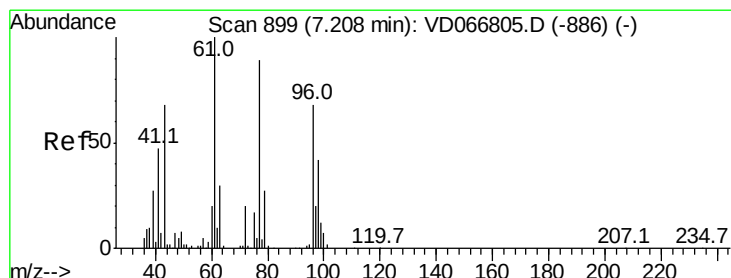
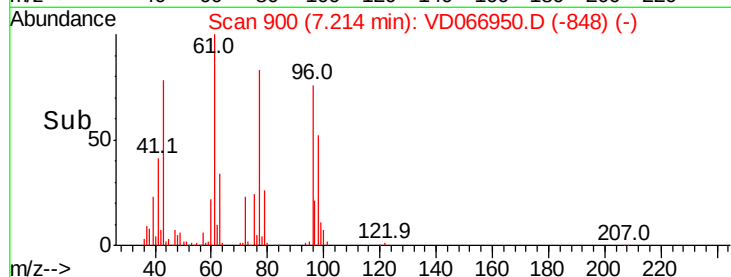
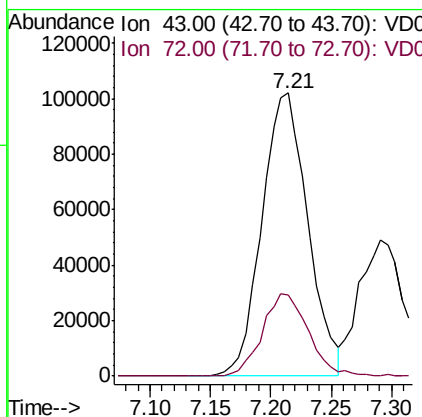
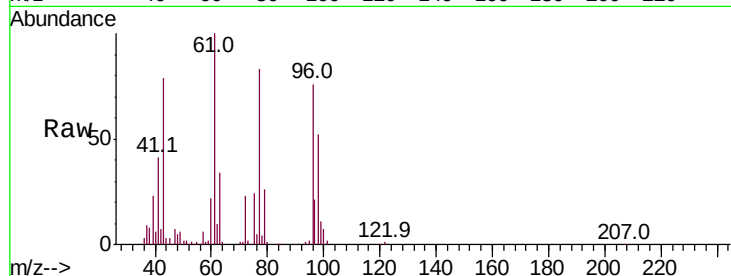
VSTDCCC050

Tot Ion: 43 Resp: 269650

Ion Ratio Lower Upper

43 100

72 28.7 22.9 34.3



#26

2,2-Dichloropropane

Concen: 45.952 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066950.D

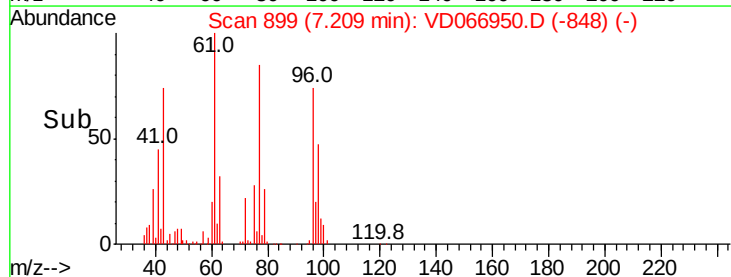
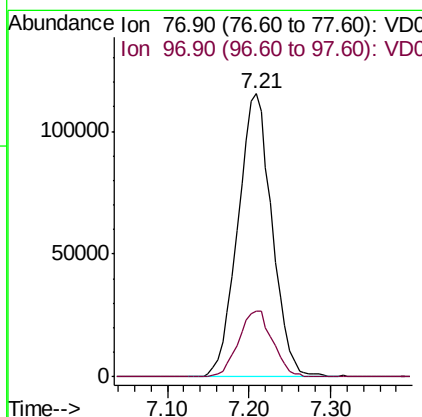
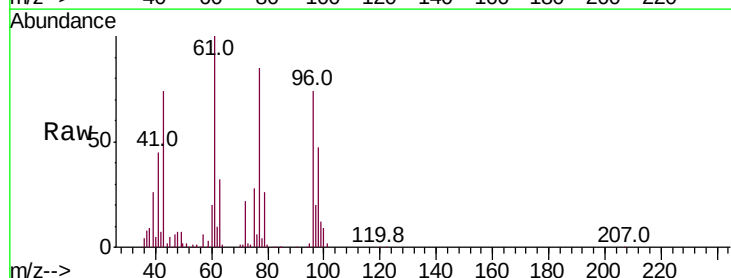
Acq: 29 Sep 2020 21:20

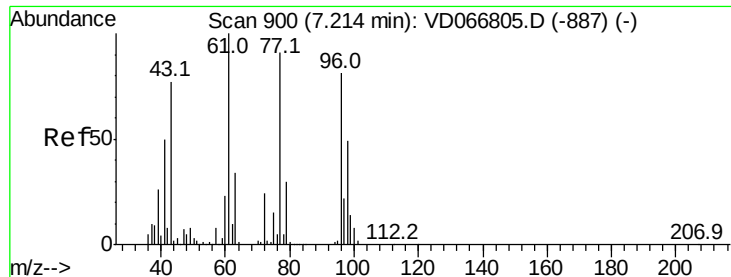
Tgt Ion: 77 Resp: 334196

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 54.337 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

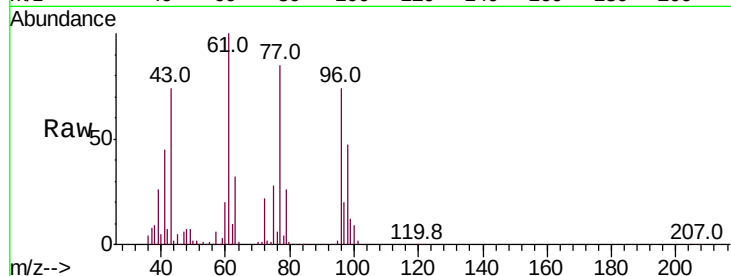
Tot Ion: 96 Resp: 268550

Ion Ratio Lower Upper

96 100

61 135.5 0.0 283.8

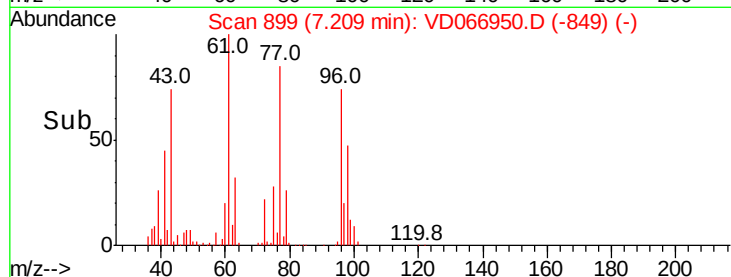
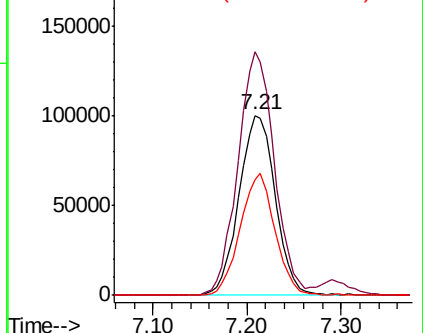
98 64.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 50.813 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

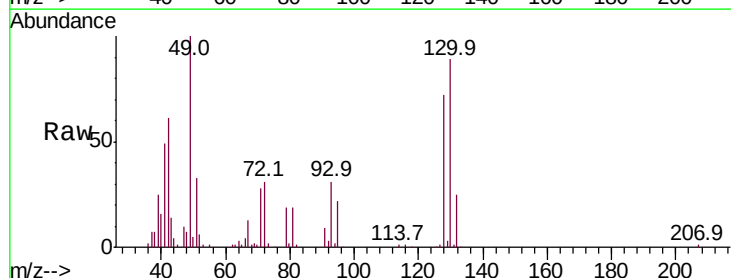
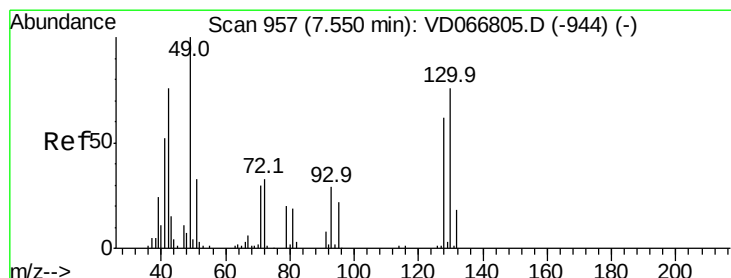
Tgt Ion: 49 Resp: 166568

Ion Ratio Lower Upper

49 100

129 2.3 0.0 2.0#

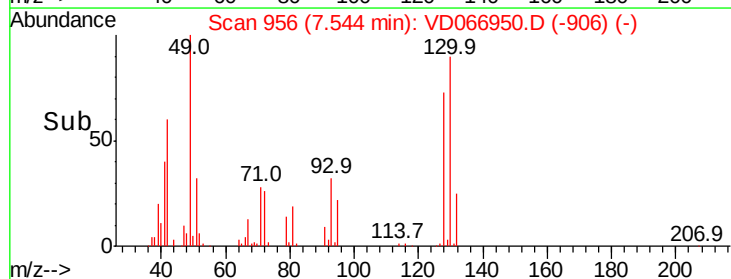
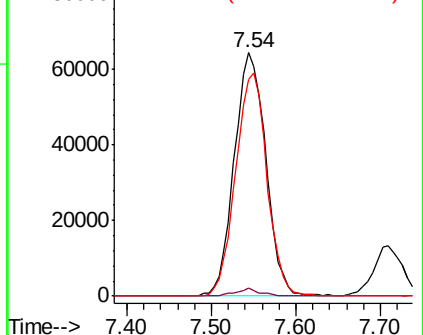
130 90.9 65.9 98.9

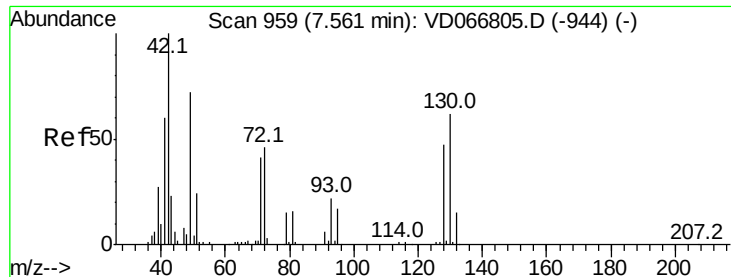


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

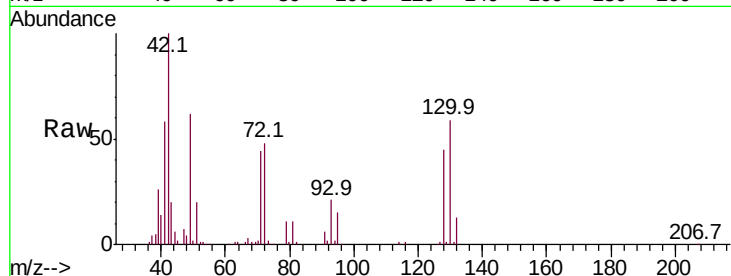




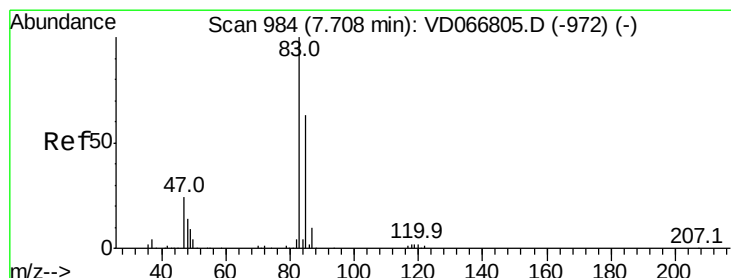
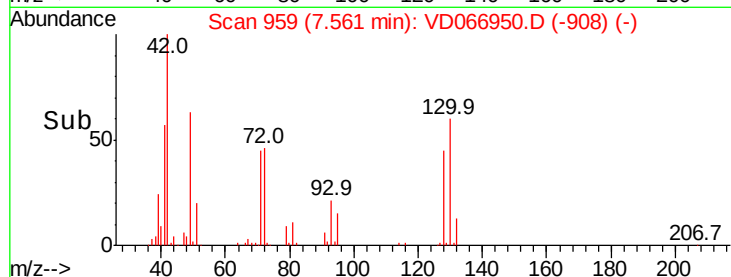
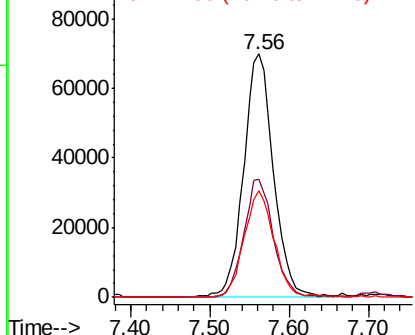
#29
Tetrahydrofuran
Concen: 286.272 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 183615
Ion Ratio Lower Upper
42 100
72 47.7 36.2 54.4
71 43.4 32.4 48.6

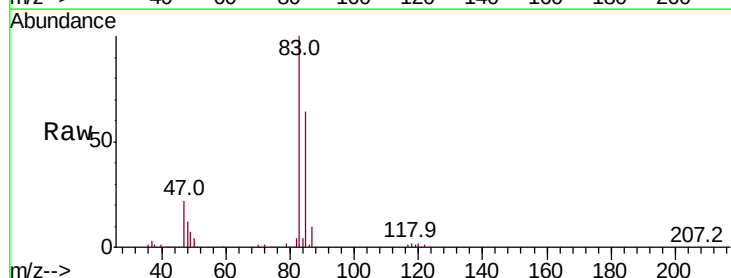


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

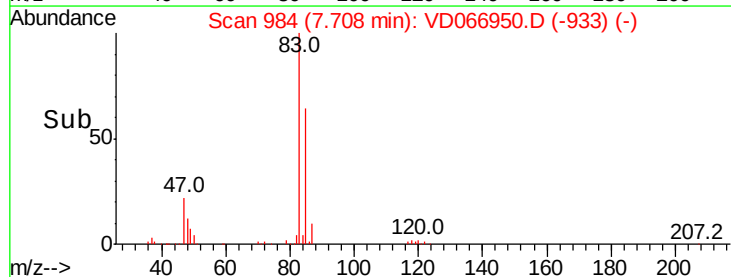
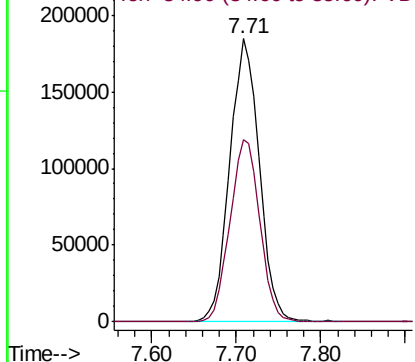


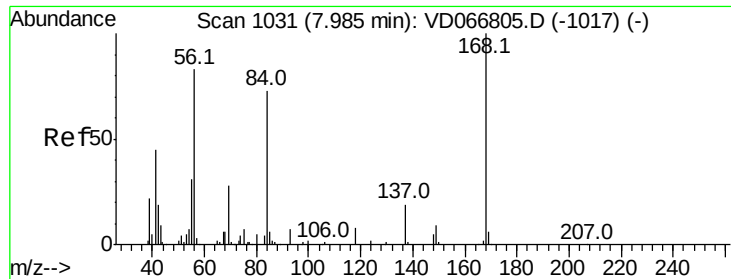
#30
Chloroform
Concen: 52.035 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 83 Resp: 445065
Ion Ratio Lower Upper
83 100
85 64.3 50.6 75.8



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

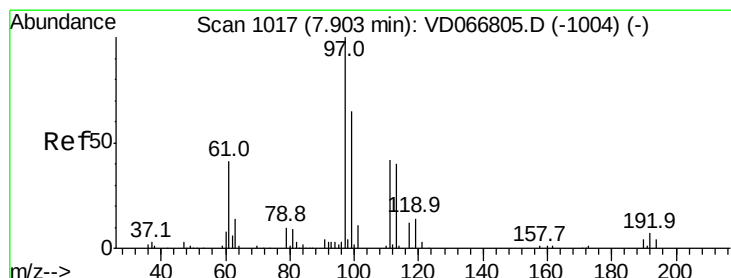
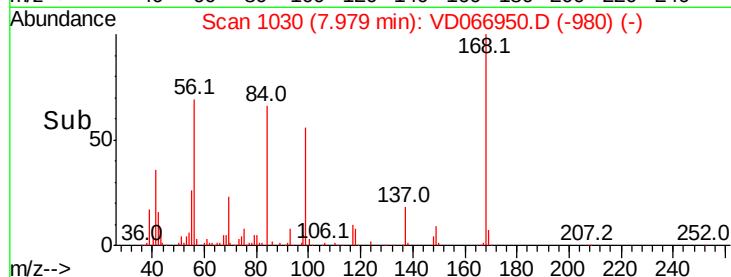
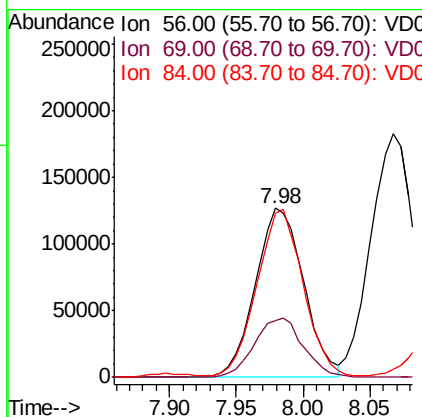
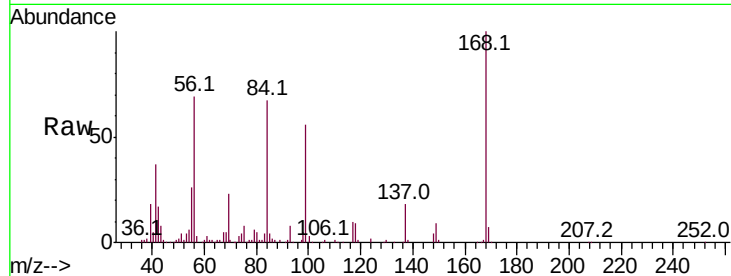




#31
Cyclohexane
Concen: 44.630 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

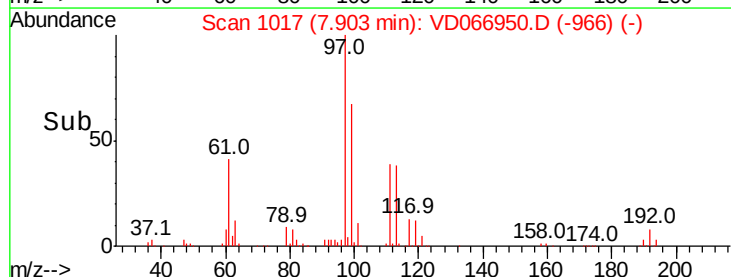
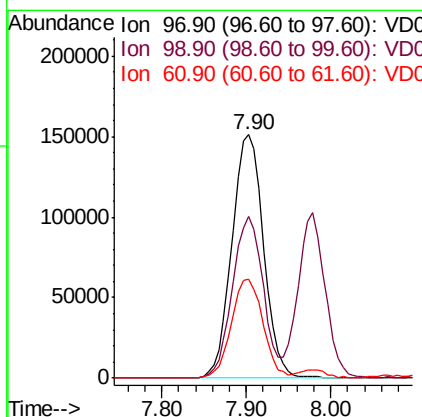
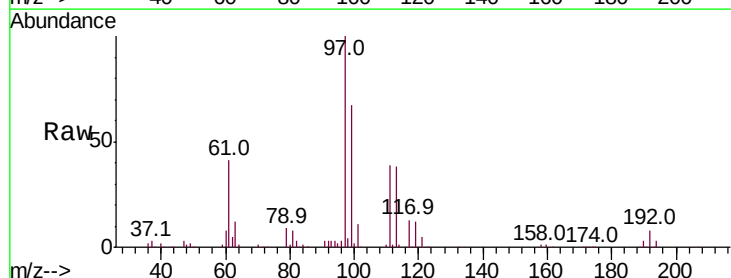
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

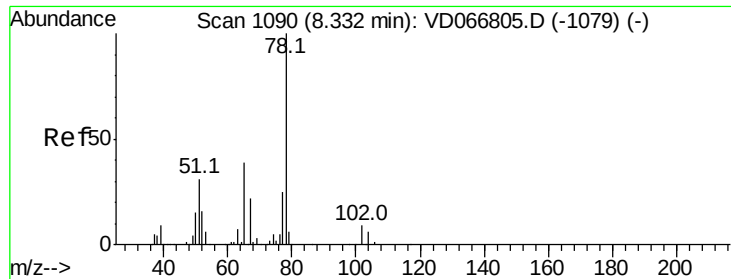
Tot Ion: 56 Resp: 318639
Ion Ratio Lower Upper
56 100
69 33.3 27.0 40.4
84 95.3 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 50.532 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 97 Resp: 390982
Ion Ratio Lower Upper
97 100
99 65.4 51.5 77.3
61 40.4 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 44.666 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

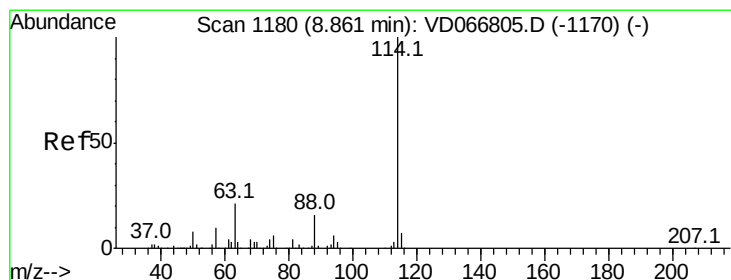
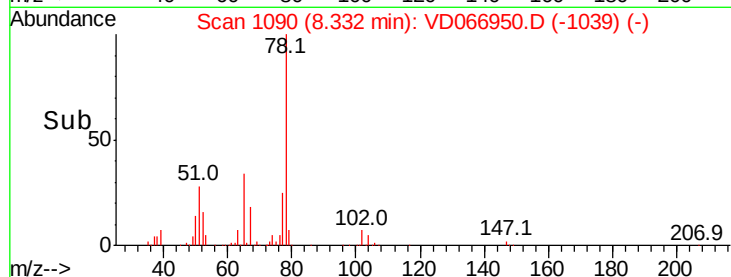
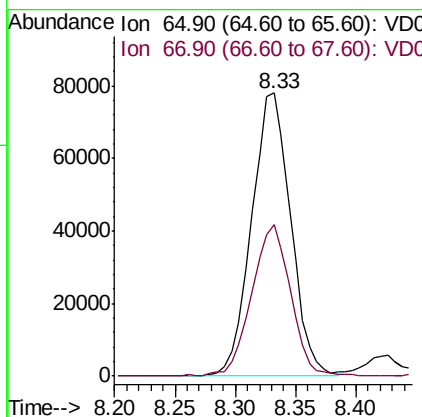
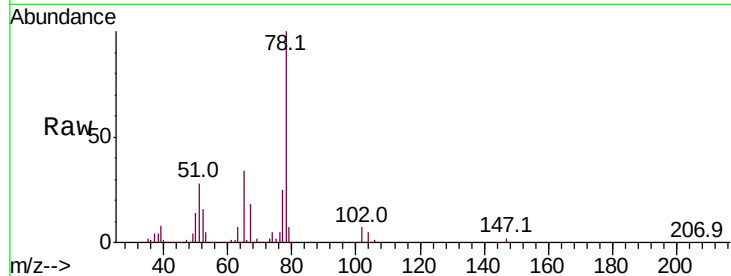
Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 65 Resp: 175386

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

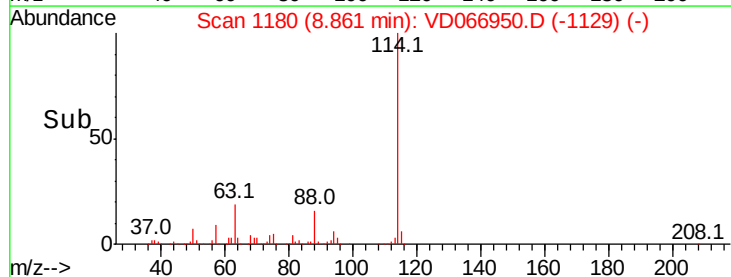
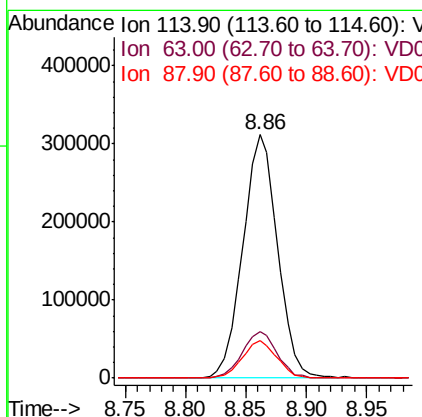
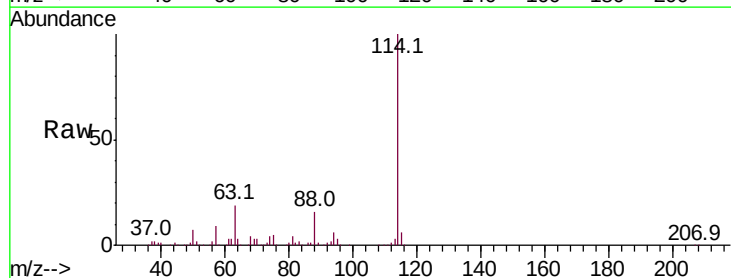
Delta R.T. 0.00 min

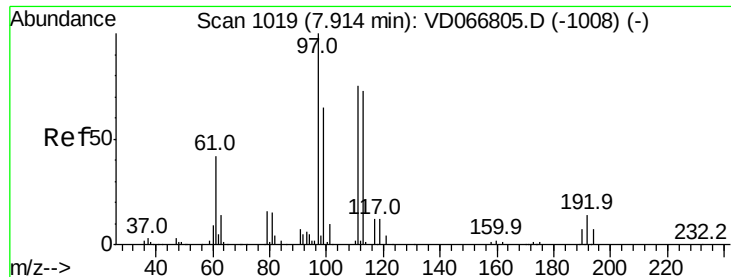
Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion: 114 Resp: 623982

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	42.6
88	15.6	0.0	32.6





#35

Dibromofluoromethane

Concen: 47.022 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

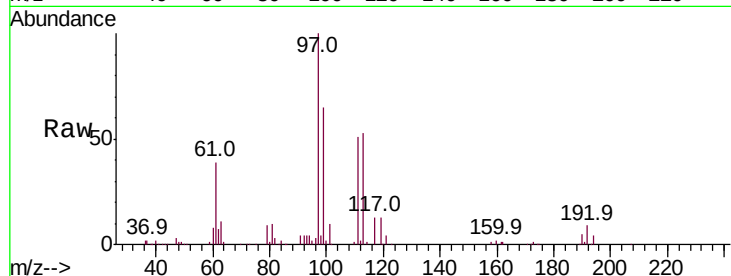
Tot Ion:113 Resp: 186667

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

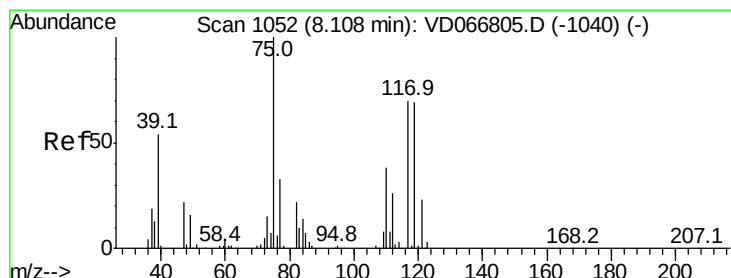
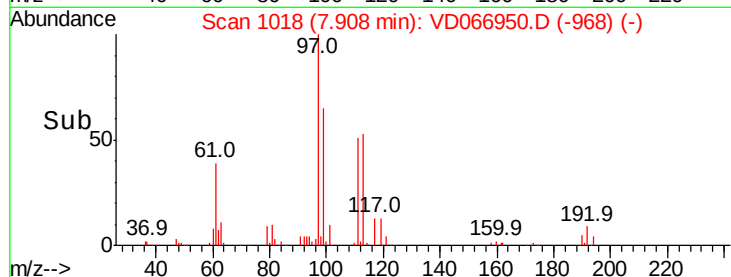
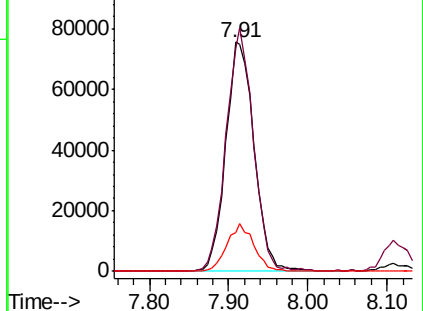
192 19.6 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.239 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

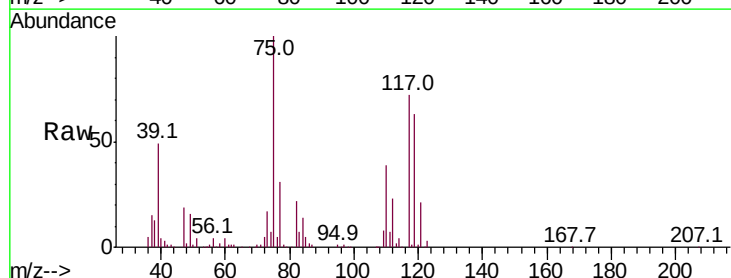
Tgt Ion: 75 Resp: 323378

Ion Ratio Lower Upper

75 100

110 36.6 17.9 53.8

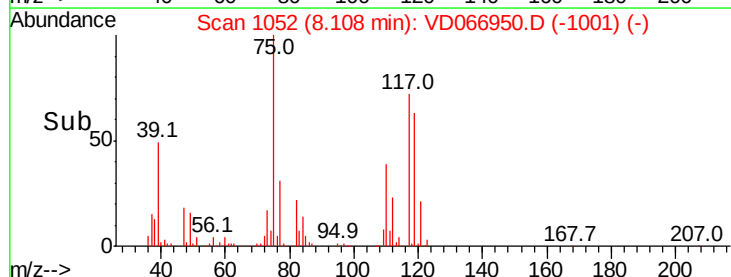
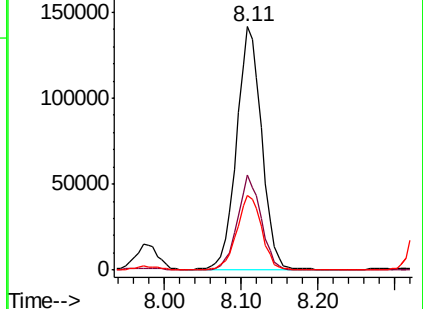
77 30.7 25.0 37.6

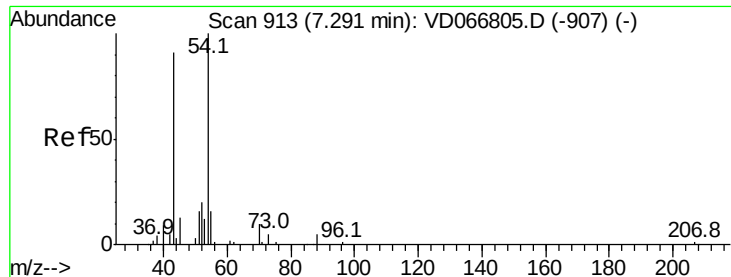


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

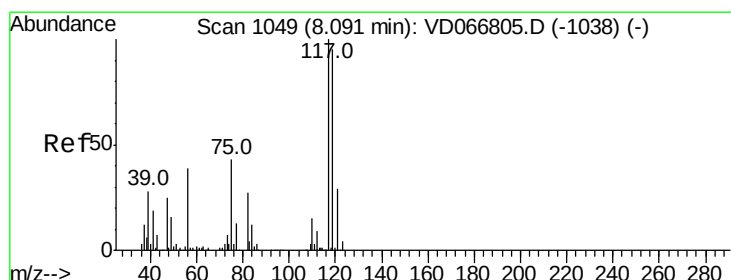
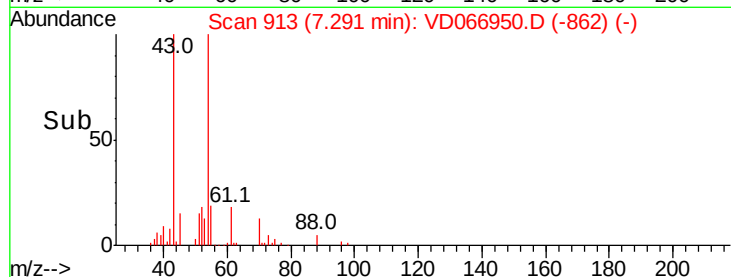
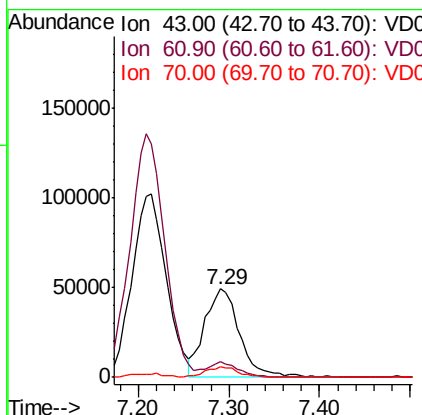
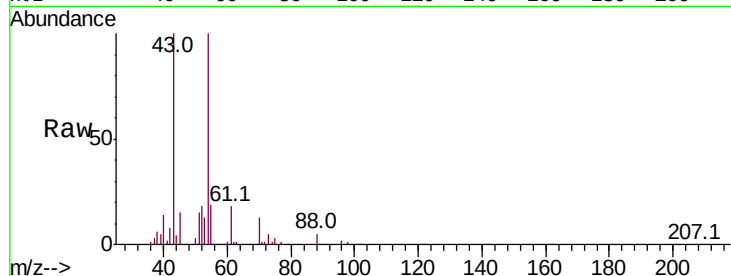




#37
Ethyl Acetate
Concen: 58.763 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

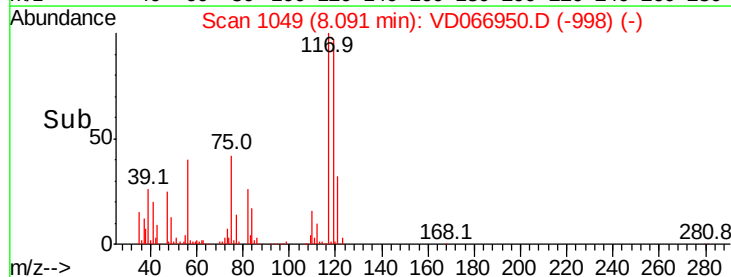
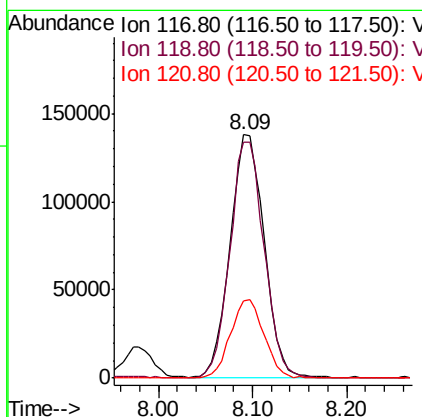
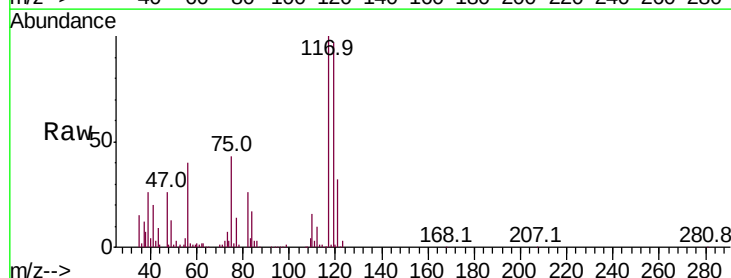
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

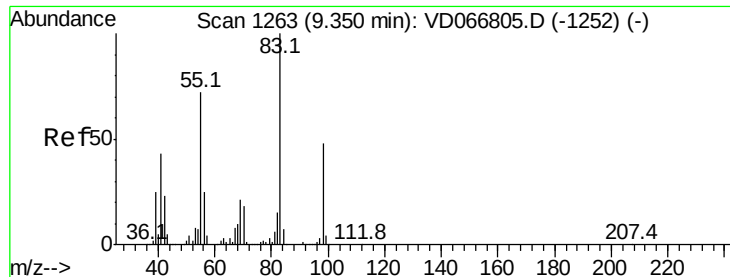
Tot Ion: 43 Resp: 131505
Ion Ratio Lower Upper
43 100
61 14.0 9.8 14.8
70 11.2 8.5 12.7



#38
Carbon Tetrachloride
Concen: 51.415 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 117 Resp: 347968
Ion Ratio Lower Upper
117 100
119 97.2 75.8 113.8
121 31.9 23.4 35.0

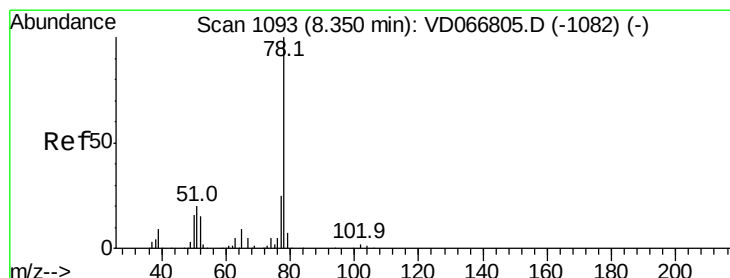
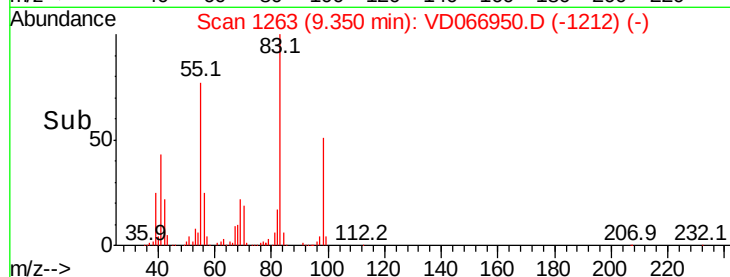
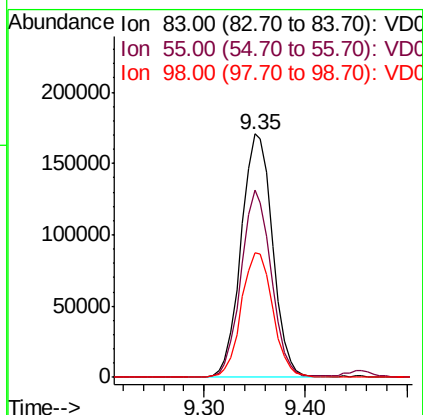
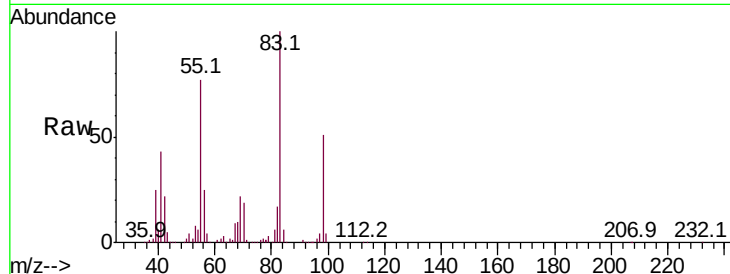




#39
Methylvlcyclohexane
Concen: 51.882 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

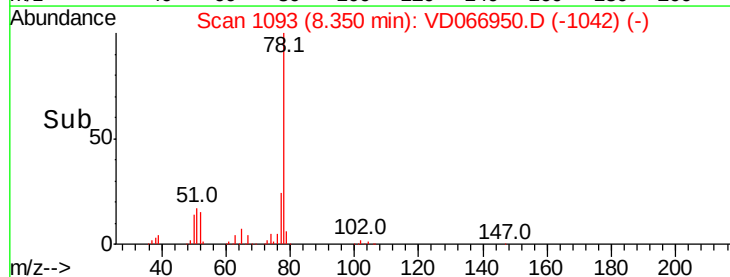
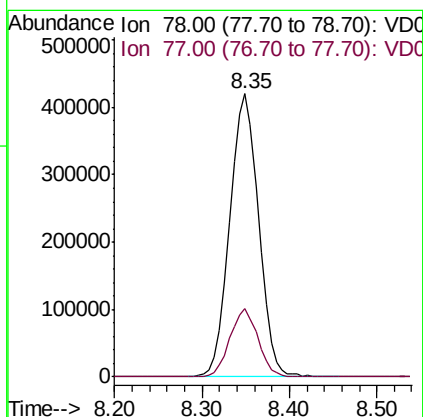
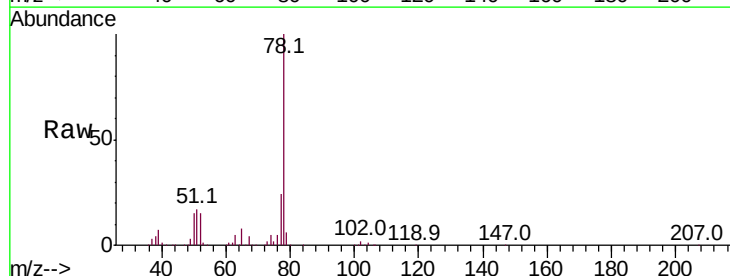
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

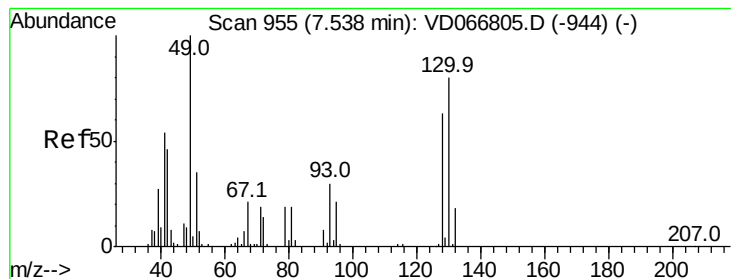
Tot Ion	83	Resp	368750
Ion	Ratio	Lower	Upper
83	100		
55	76.8	57.7	86.5
98	51.1	38.4	57.6



#40
Benzene
Concen: 54.628 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	78	Resp	942473
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.9	29.9





#41

Methacrylonitrile

Concen: 131.033 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.02 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 180331

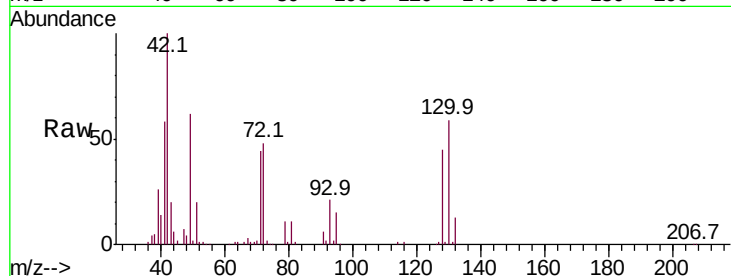
Ion Ratio Lower Upper

41 100

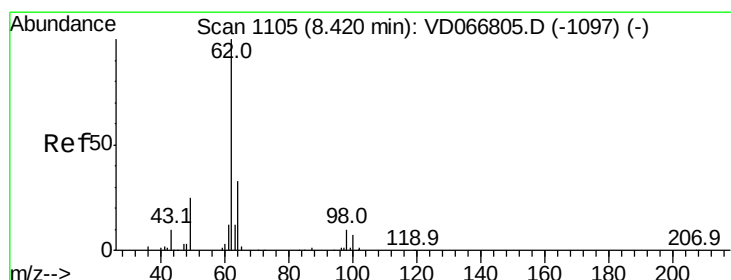
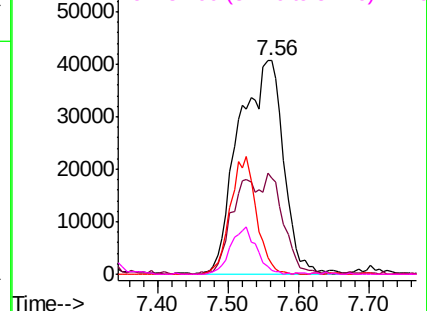
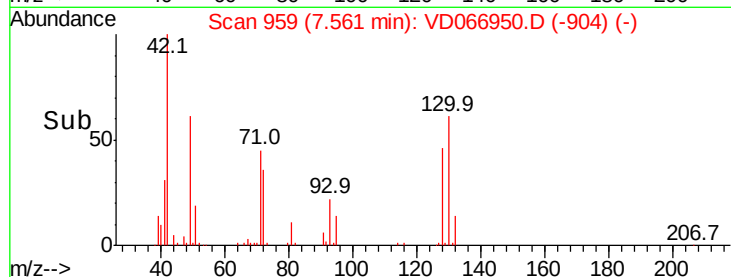
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.872 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066950.D

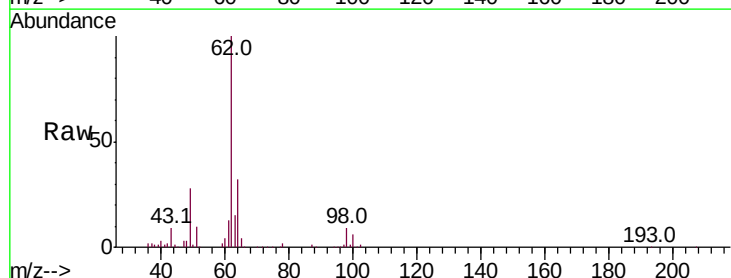
Acq: 29 Sep 2020 21:20

Tgt Ion: 62 Resp: 274763

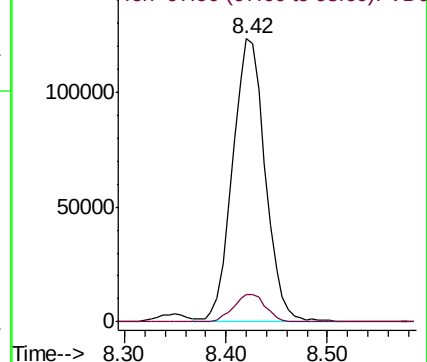
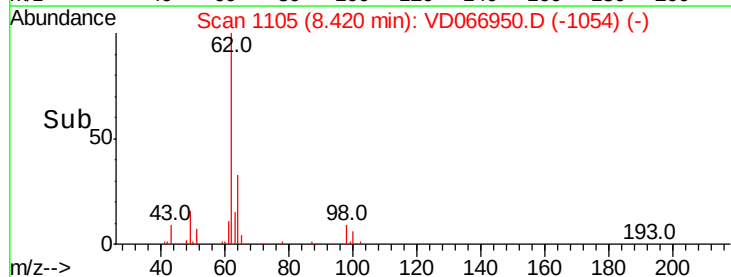
Ion Ratio Lower Upper

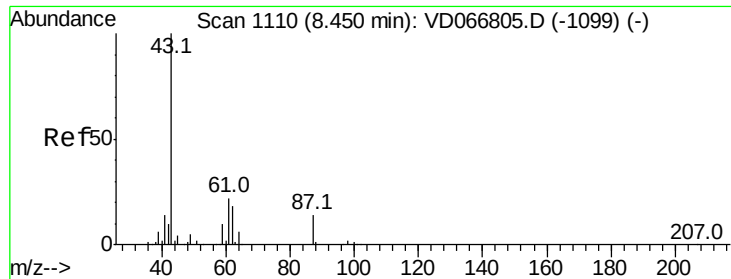
62 100

98 9.7 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 56.574 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

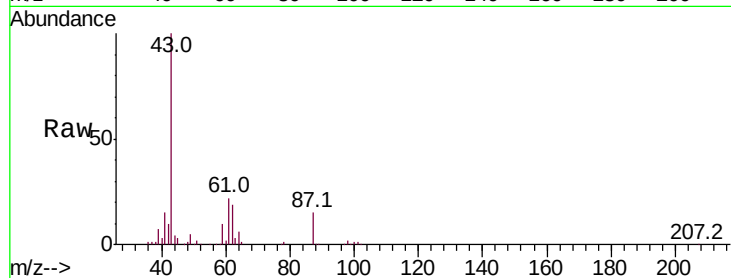
Tot Ion: 43 Resp: 244090

Ion Ratio Lower Upper

43 100

61 32.3 26.2 39.4

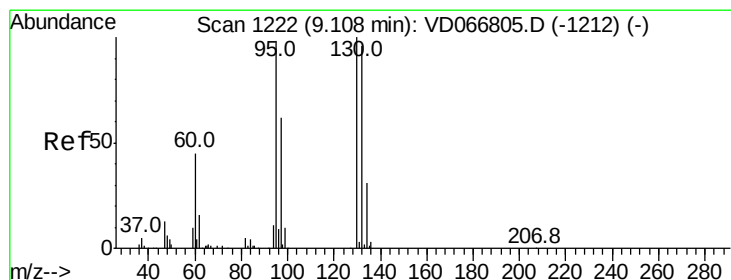
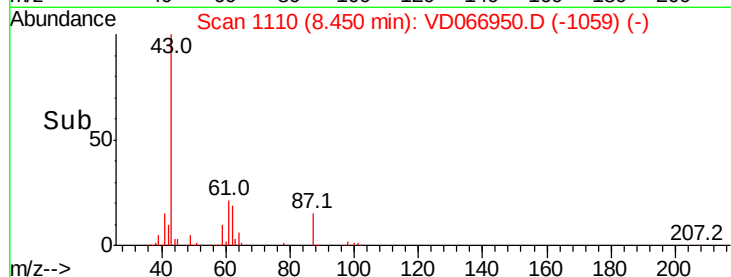
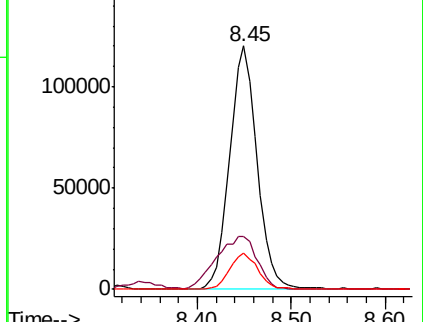
87 15.2 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 54.385 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066950.D

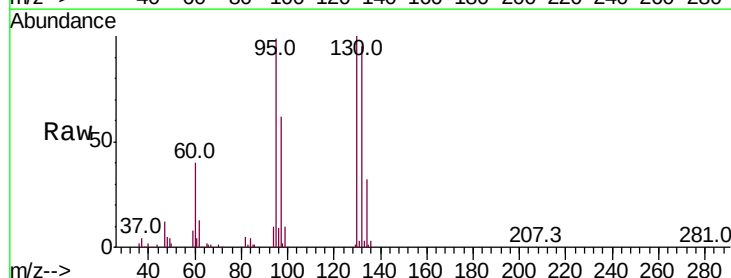
Acq: 29 Sep 2020 21:20

Tgt Ion:130 Resp: 267444

Ion Ratio Lower Upper

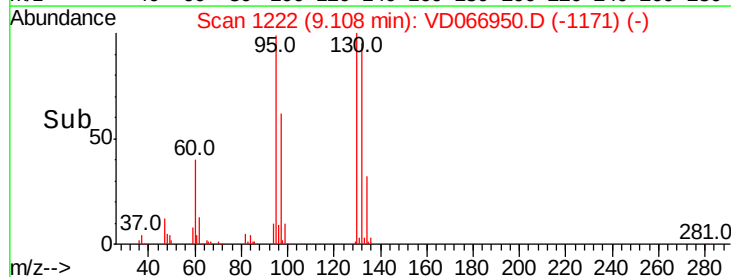
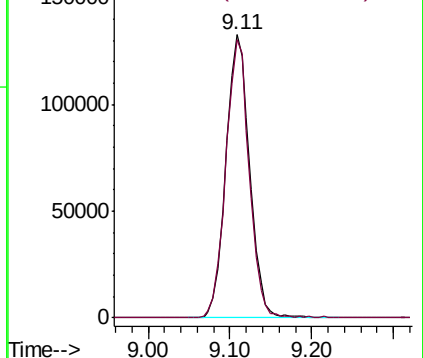
130 100

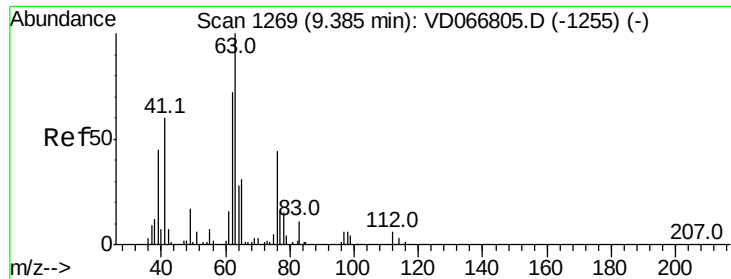
95 98.5 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.294 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

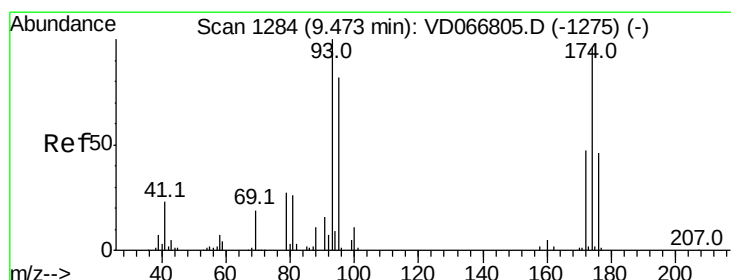
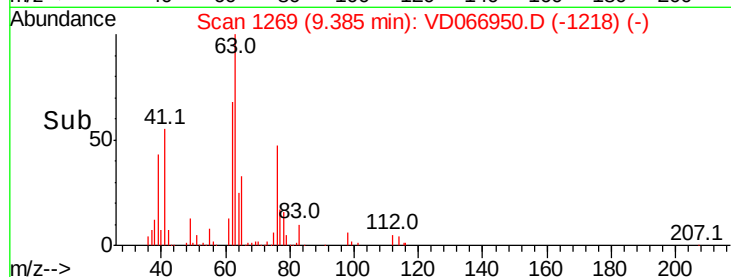
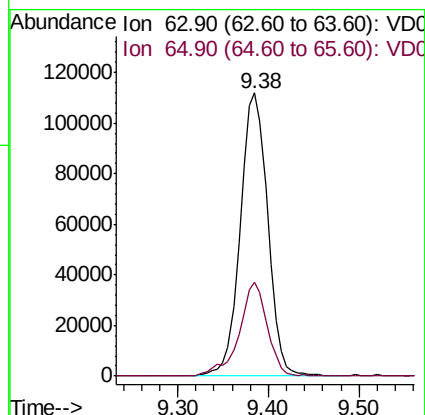
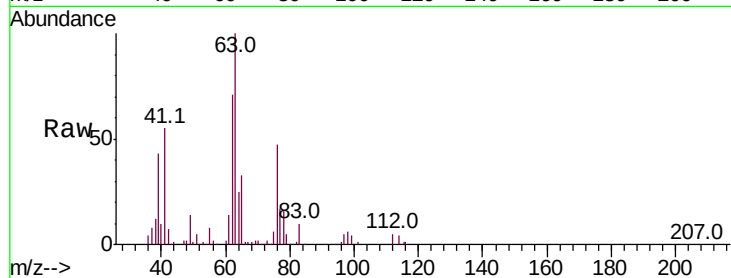
VSTDCCC050

Tot Ion: 63 Resp: 235678

Ion Ratio Lower Upper

63 100

65 33.4 24.7 37.1



#46

Dibromomethane

Concen: 55.765 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

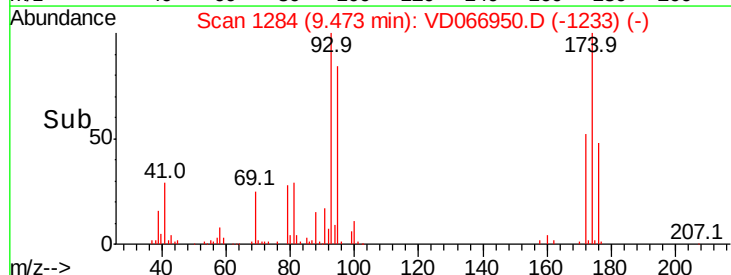
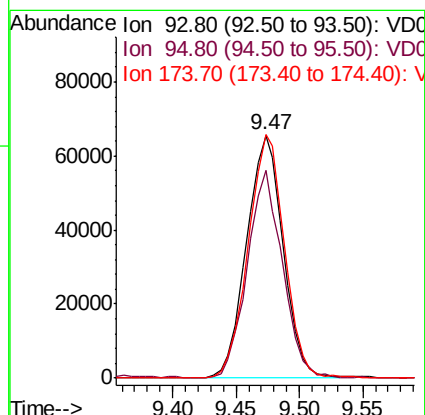
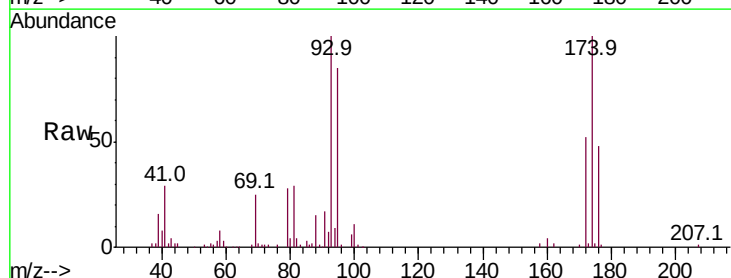
Tgt Ion: 93 Resp: 131518

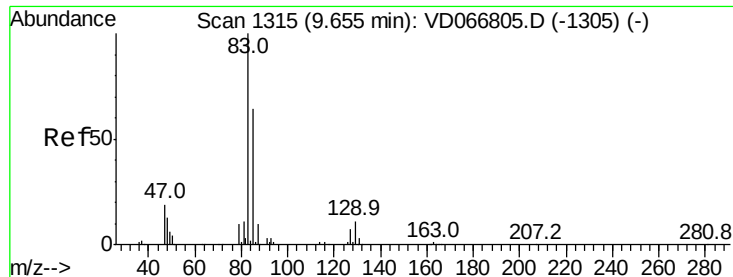
Ion Ratio Lower Upper

93 100

95 82.5 65.3 97.9

174 99.7 75.4 113.2





#47

Bromodichloromethane

Concen: 54.792 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

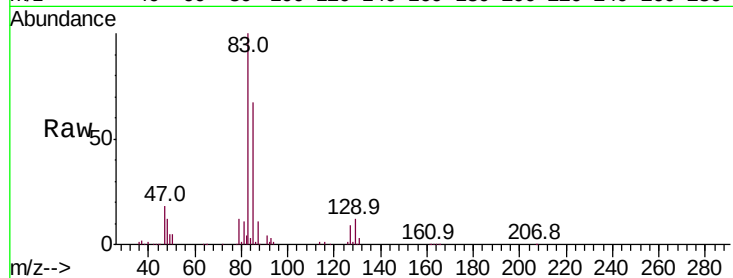
Tot Ion: 83 Resp: 347134

Ion Ratio Lower Upper

83 100

85 66.9 50.9 76.3

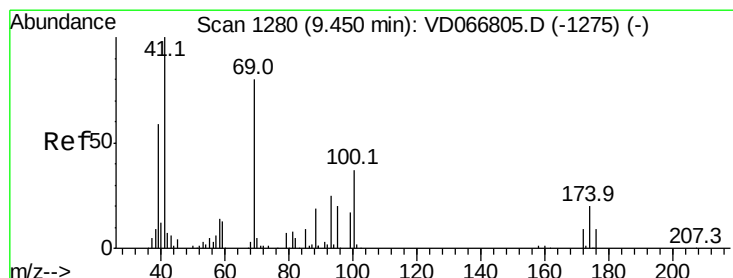
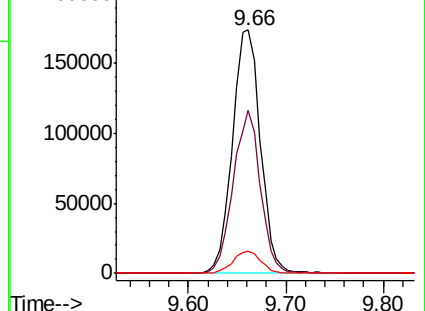
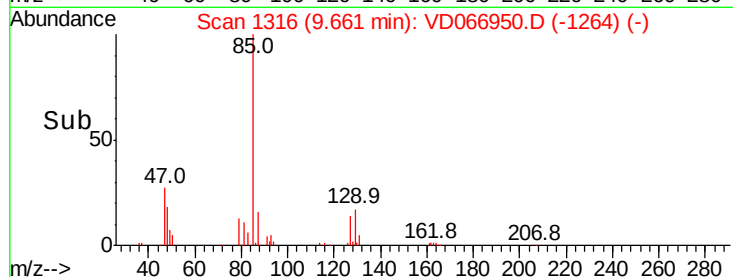
127 9.1 5.9 8.9#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 54.551 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

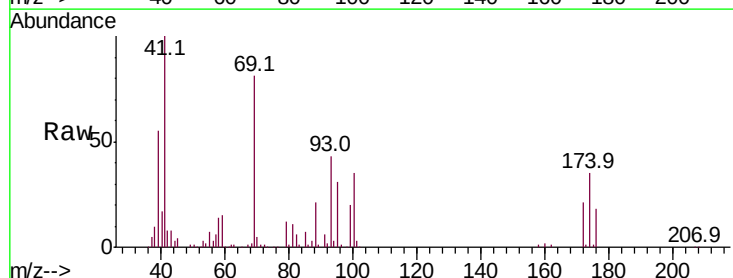
Tgt Ion: 41 Resp: 116043

Ion Ratio Lower Upper

41 100

69 97.0 74.5 111.7

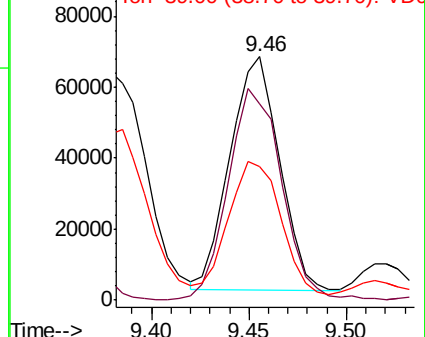
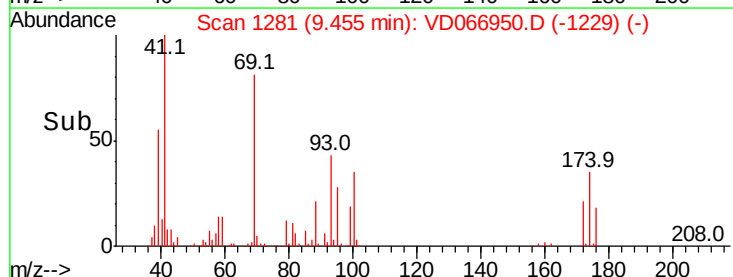
39 59.7 47.0 70.6

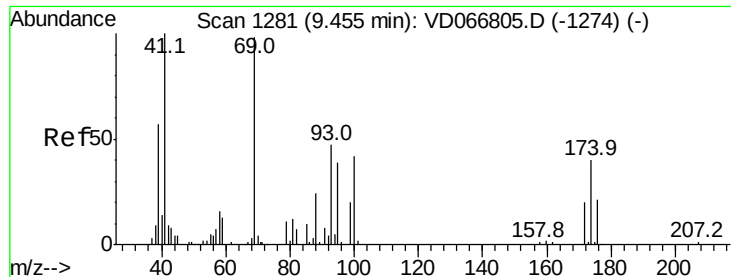


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1252.989 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

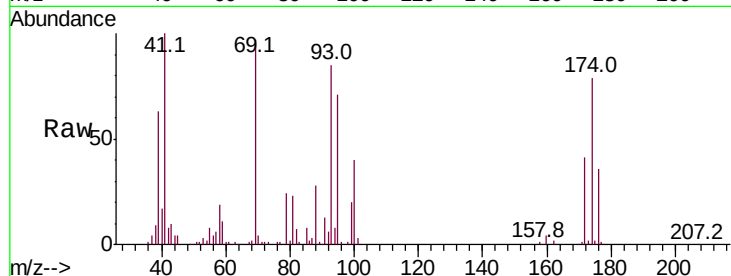
Tot Ion: 88 Resp: 32810

Ion Ratio Lower Upper

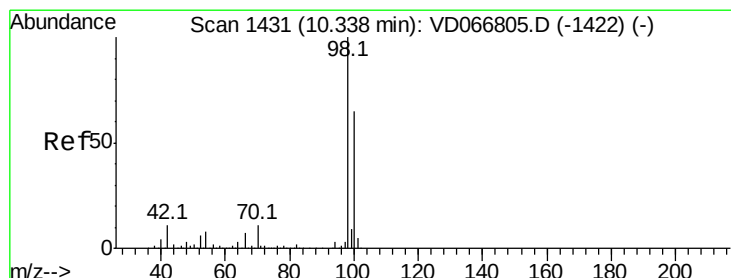
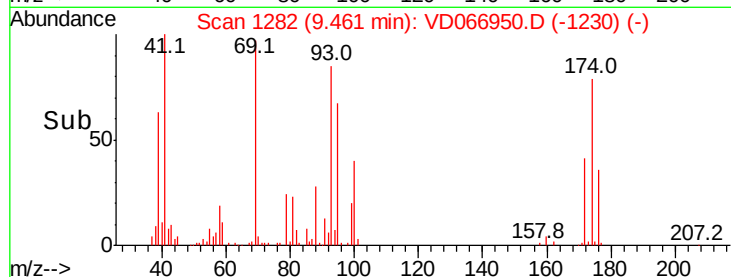
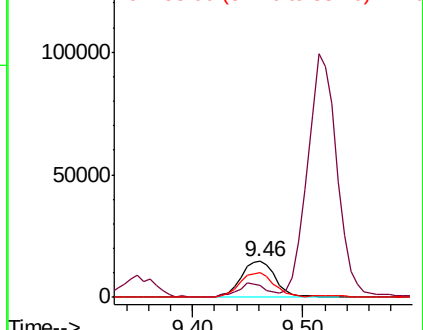
88 100

43 34.1 27.7 41.5

58 67.4 55.5 83.3



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



#50

Toluene-d8

Concen: 48.342 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066950.D

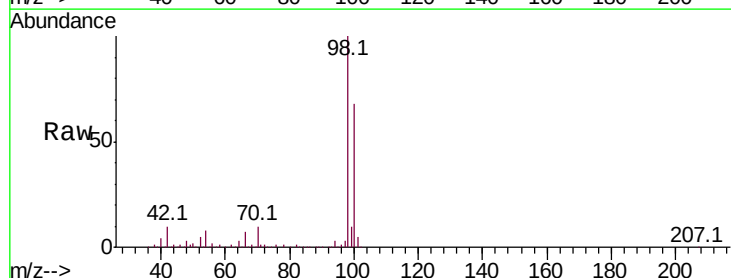
Acq: 29 Sep 2020 21:20

Tgt Ion: 98 Resp: 653866

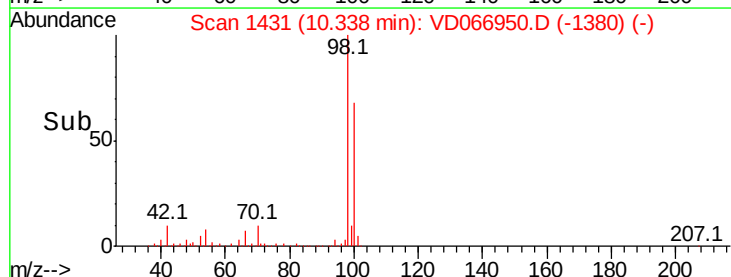
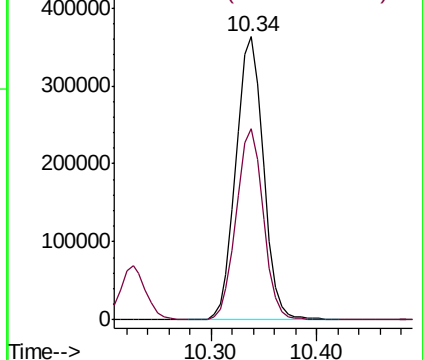
Ion Ratio Lower Upper

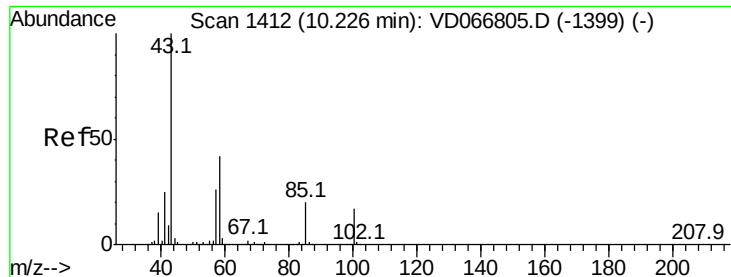
98 100

100 66.4 52.2 78.2



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

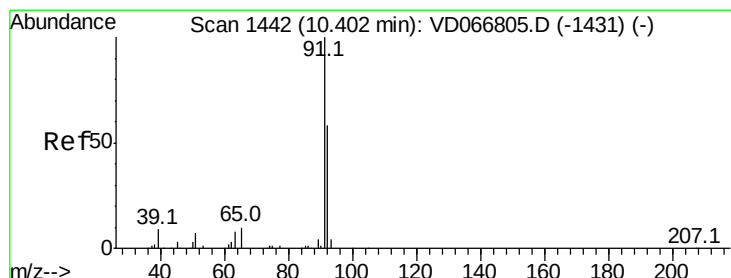
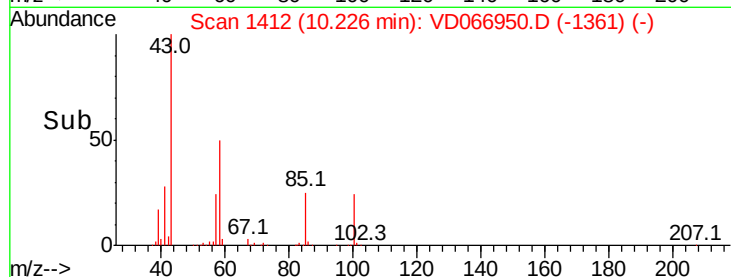
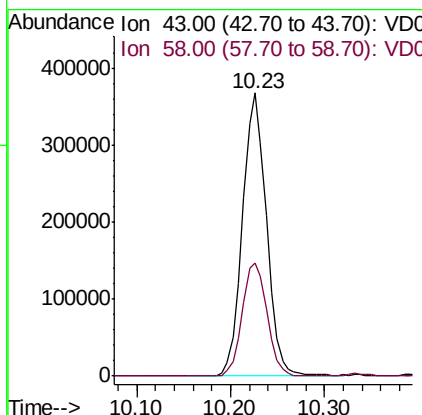
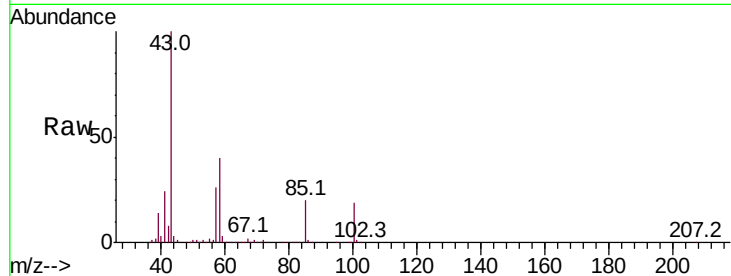




#51
 4-Methyl-2-Pentanone
 Concen: 297.545 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

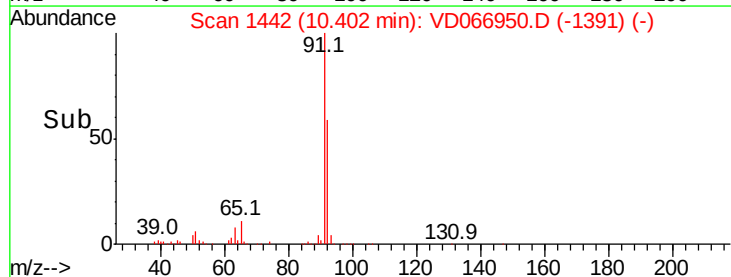
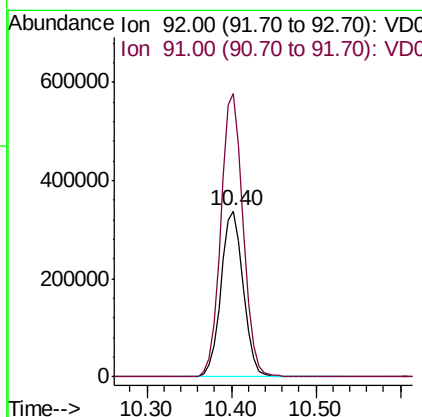
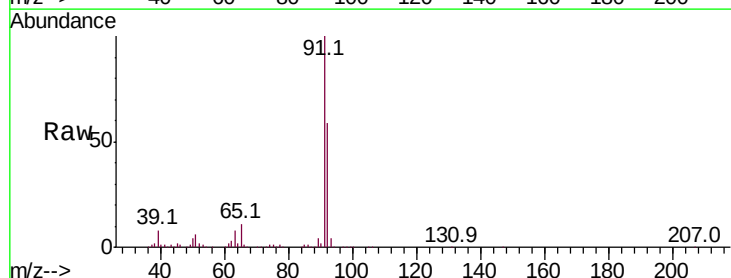
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

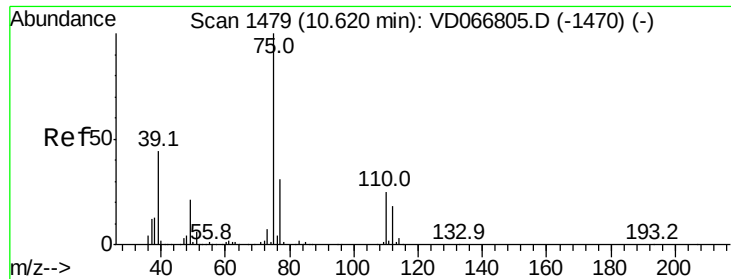
Tot Ion: 43 Resp: 650491
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.2 48.4



#52
 Toluene
 Concen: 55.507 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion: 92 Resp: 616847
 Ion Ratio Lower Upper
 92 100
 91 170.5 134.6 202.0





#53

t-1,3-Dichloropropene

Concen: 56.859 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

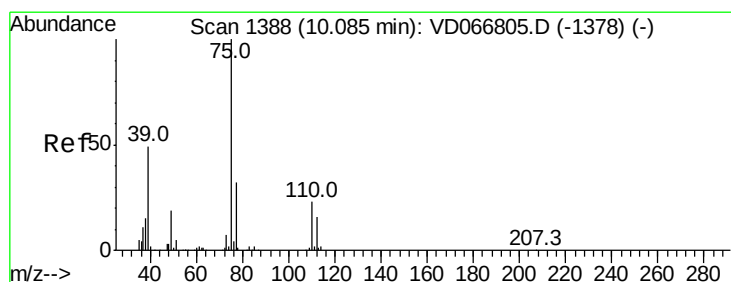
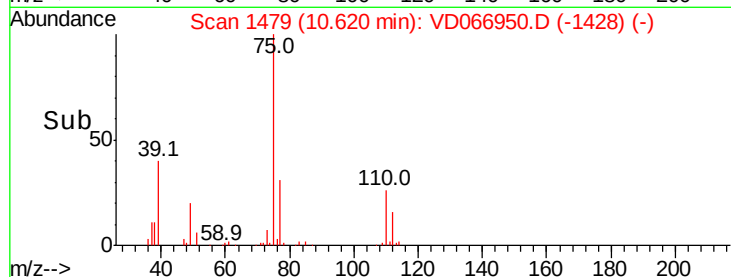
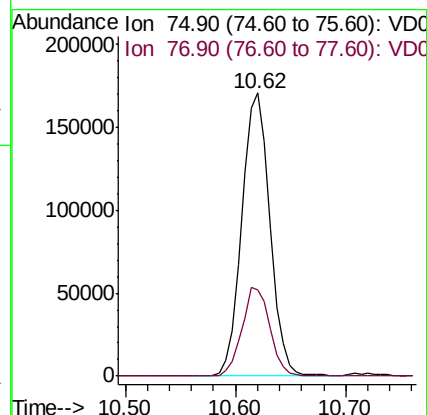
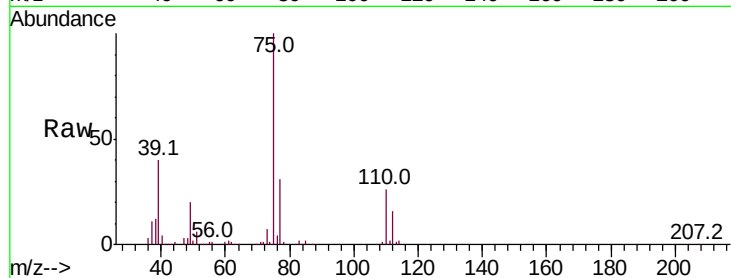
VSTDCCC050

Tot Ion: 75 Resp: 306606

Ion Ratio Lower Upper

75 100

77 30.5 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 55.866 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

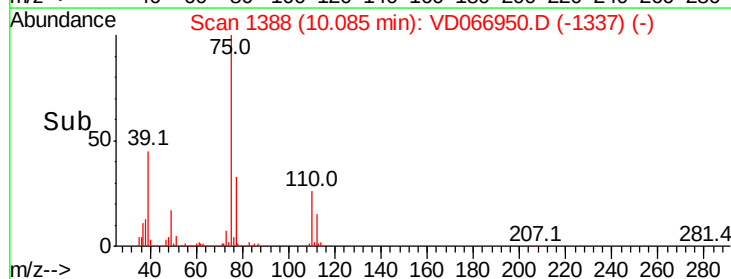
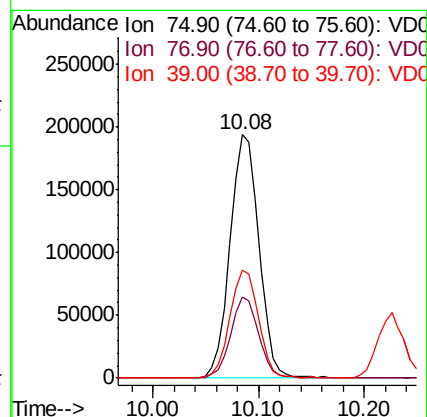
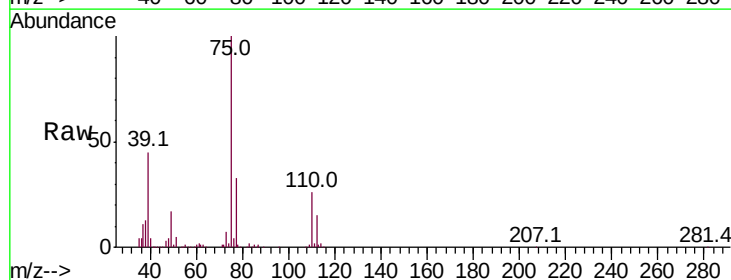
Tgt Ion: 75 Resp: 367331

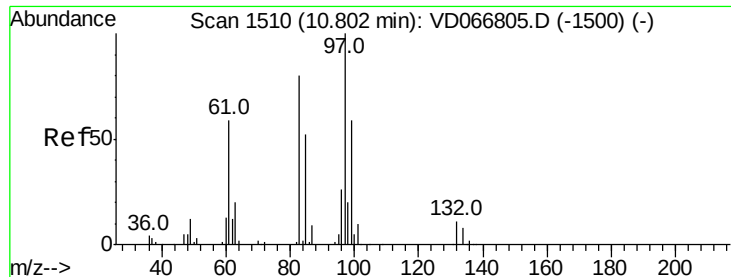
Ion Ratio Lower Upper

75 100

77 33.4 25.6 38.4

39 44.2 39.2 58.8

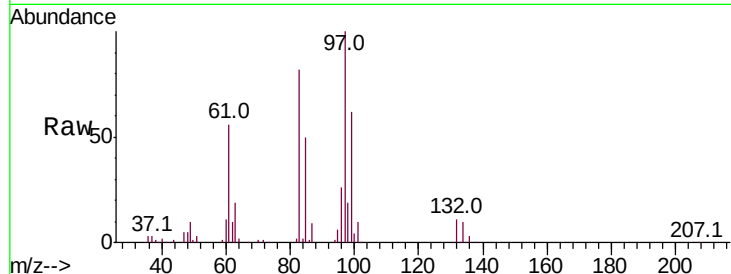




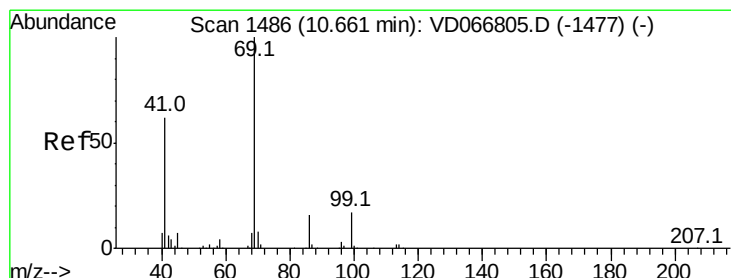
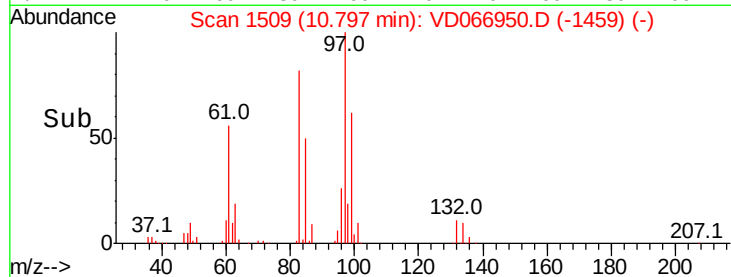
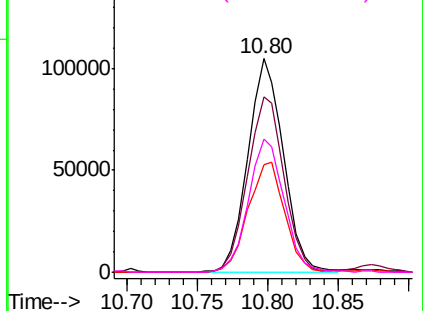
#55
 1,1,2-Trichloroethane
 Concen: 57.080 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	185064
Ion	Ratio	Lower	Upper
97	100		
83	82.1	64.2	96.2
85	50.5	41.9	62.9
99	62.3	47.5	71.3

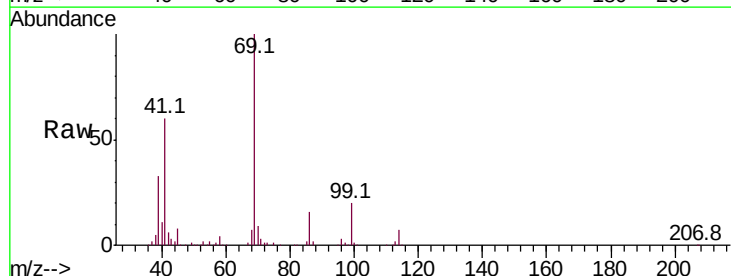


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

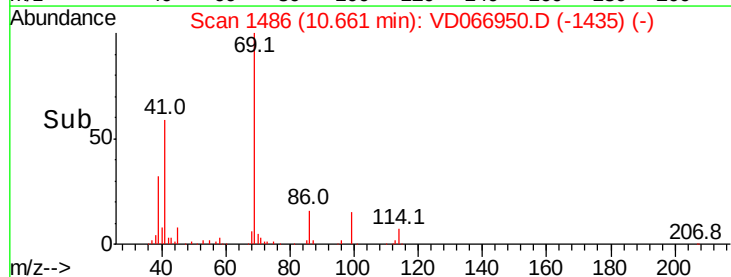
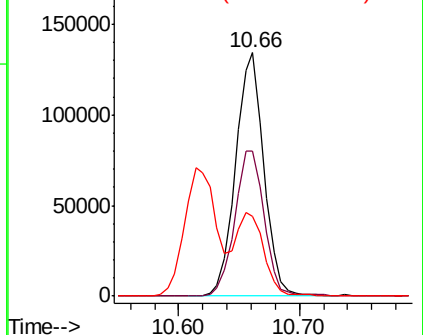


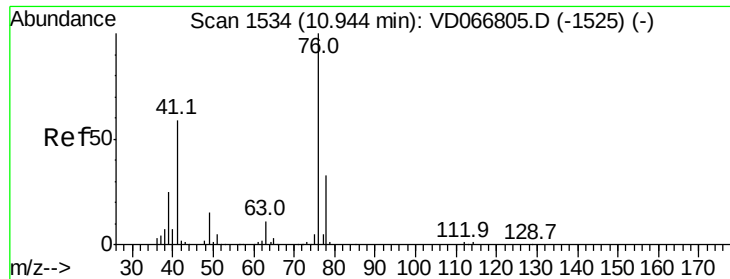
#56
 Ethyl methacrylate
 Concen: 63.122 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion:	69	Resp:	219240
Ion	Ratio	Lower	Upper
69	100		
41	63.0	52.2	78.2
39	35.9	26.6	40.0



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





#57

1,3-Dichloropropane

Concen: 56.692 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

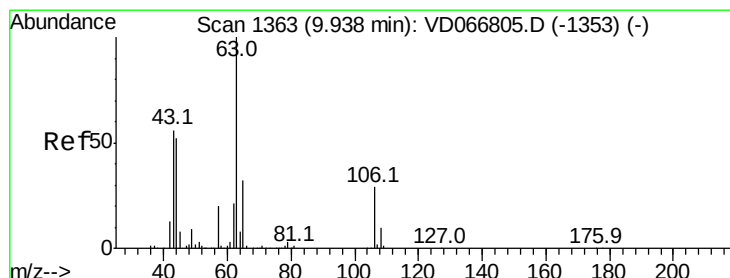
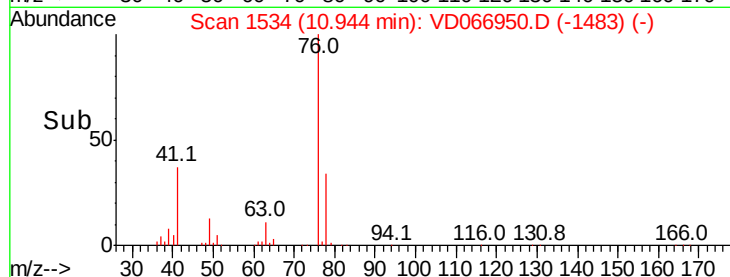
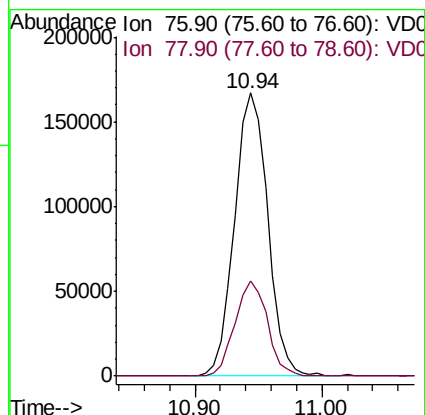
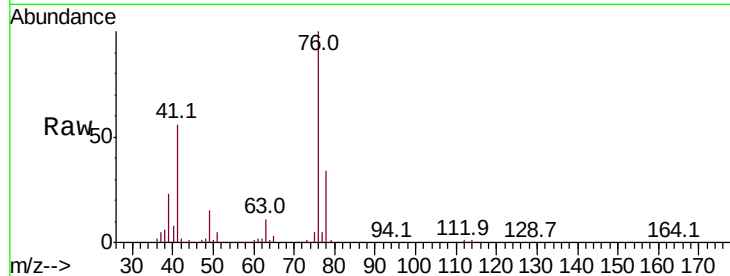
VSTDCCC050

Tot Ion: 76 Resp: 303508

Ion Ratio Lower Upper

76 100

78 32.9 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 259.030 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066950.D

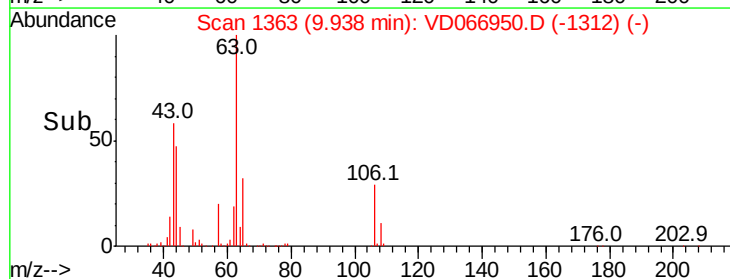
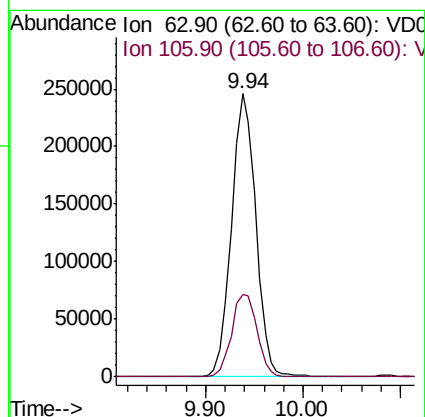
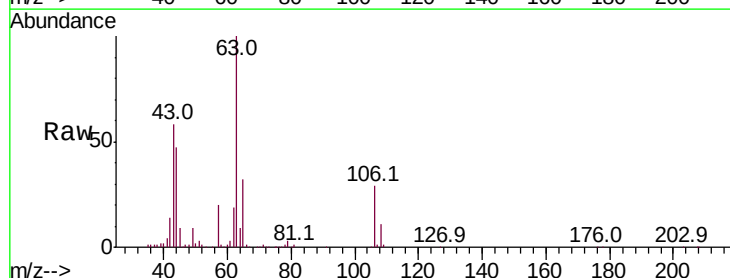
Acq: 29 Sep 2020 21:20

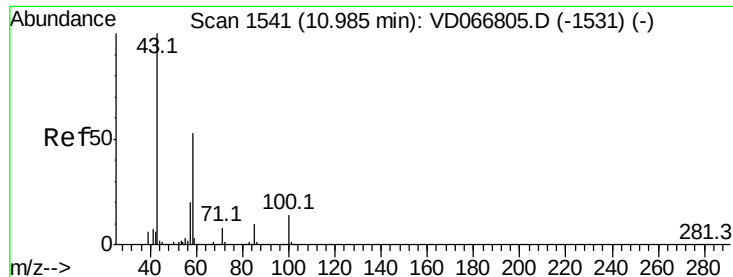
Tgt Ion: 63 Resp: 425995

Ion Ratio Lower Upper

63 100

106 30.8 23.8 35.6

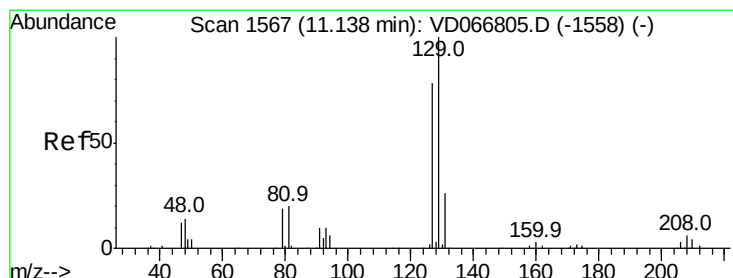
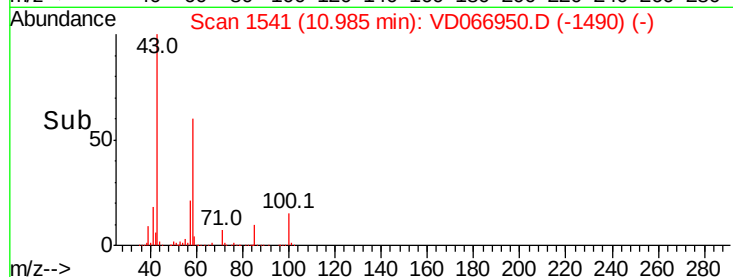
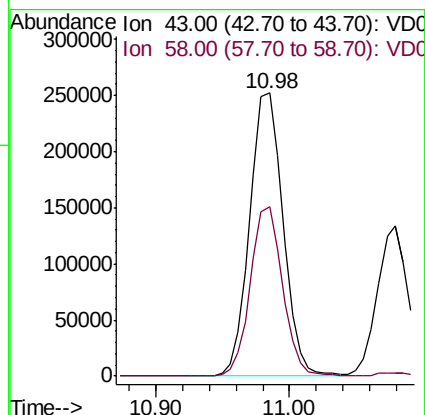
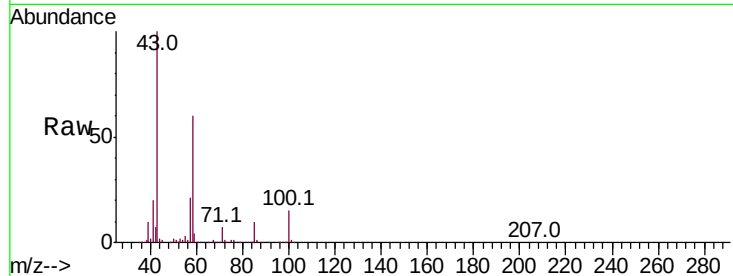




#59
2-Hexanone
Concen: 295.777 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

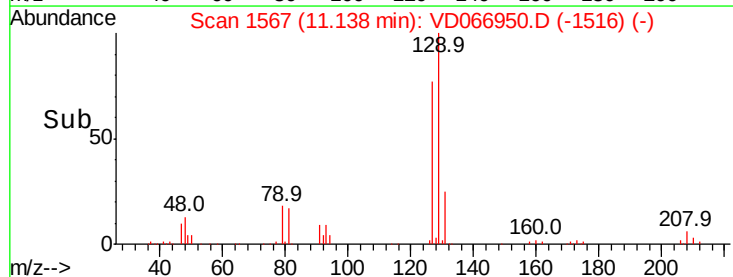
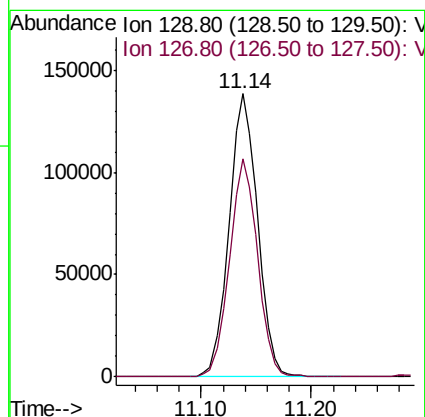
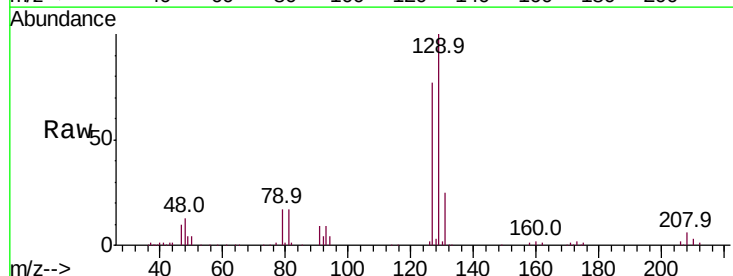
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

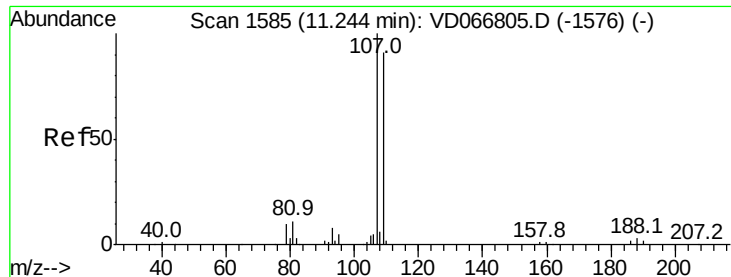
Tot Ion: 43 Resp: 436068
Ion Ratio Lower Upper
43 100
58 57.6 27.0 80.8



#60
Dibromochloromethane
Concen: 59.164 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 129 Resp: 250352
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 60.219 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

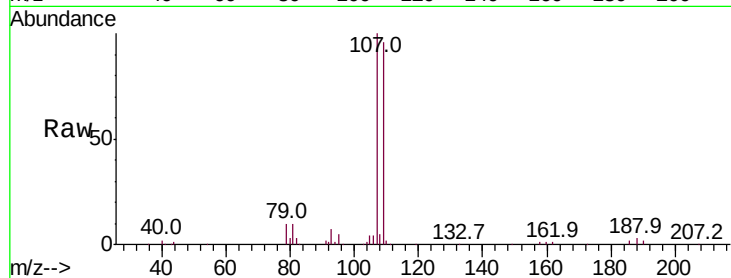
VSTDCCC050

Tot Ion:107 Resp: 181599

Ion Ratio Lower Upper

107 100

109 92.2 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

100000

80000

60000

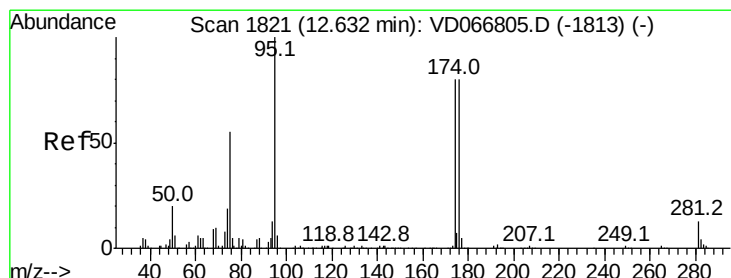
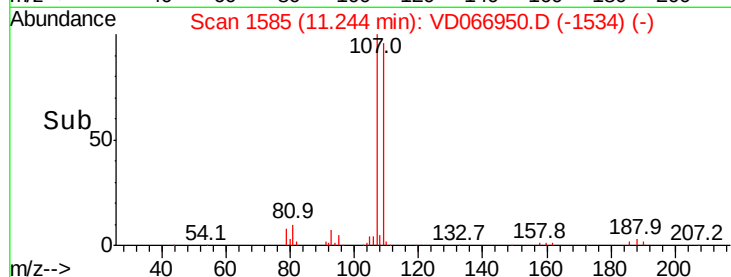
40000

20000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 50.139 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

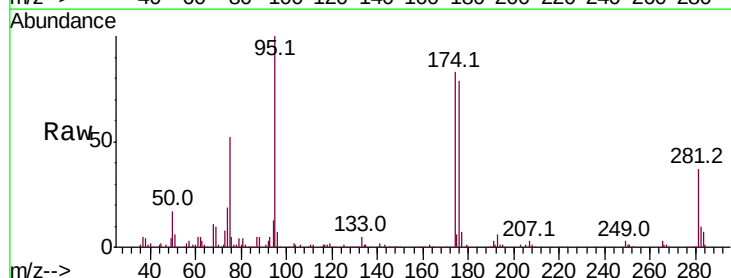
Tgt Ion: 95 Resp: 232158

Ion Ratio Lower Upper

95 100

174 82.1 0.0 159.8

176 78.7 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

150000

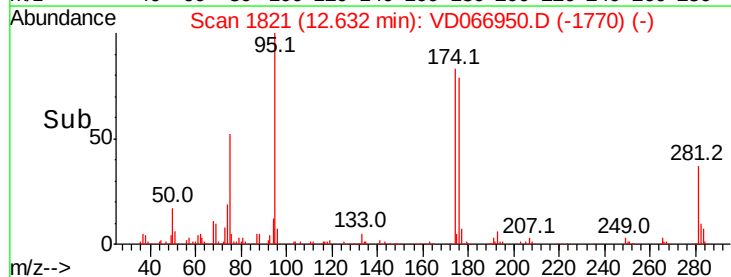
100000

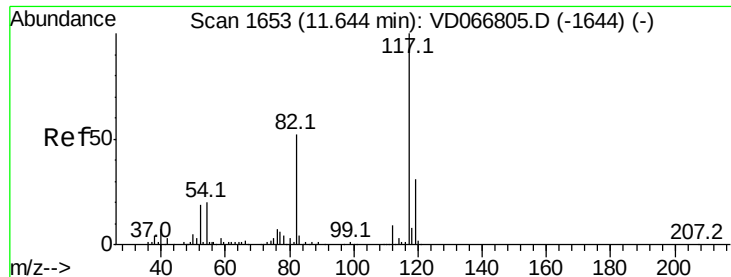
50000

0

Time-->

12.55 12.60 12.65 12.70

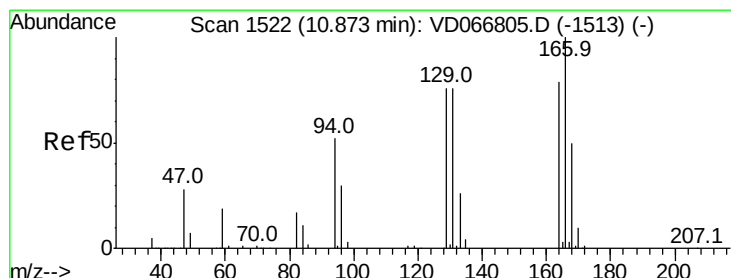
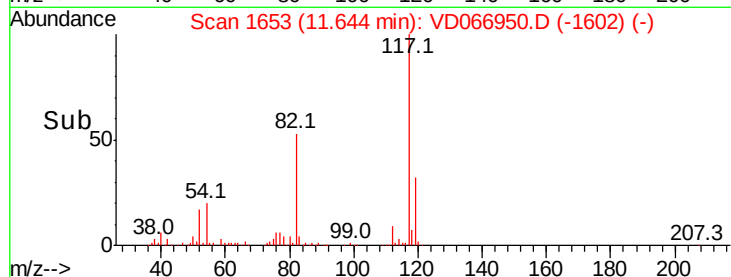
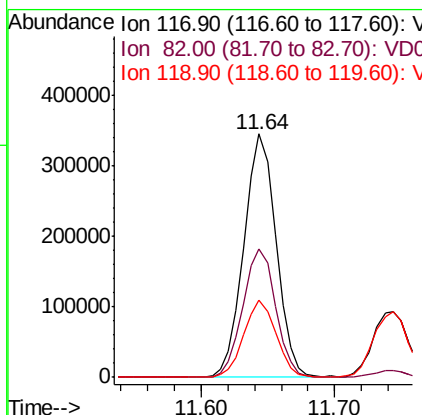
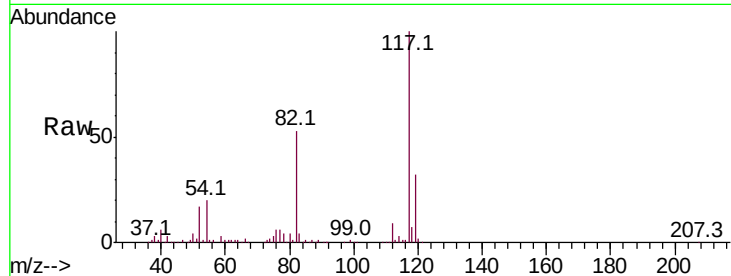




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

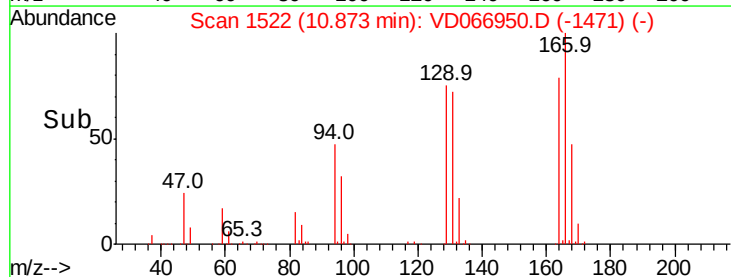
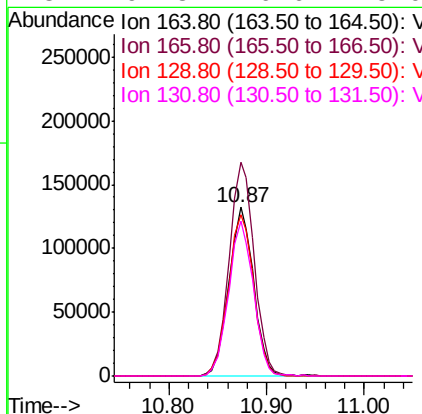
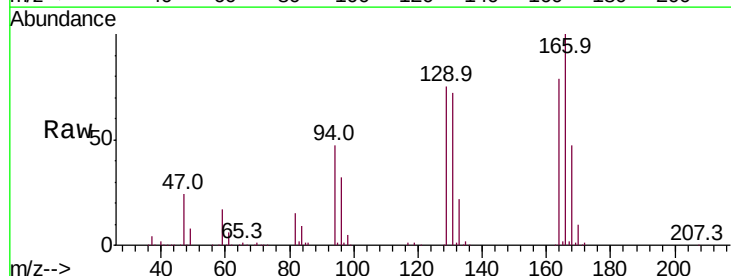
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

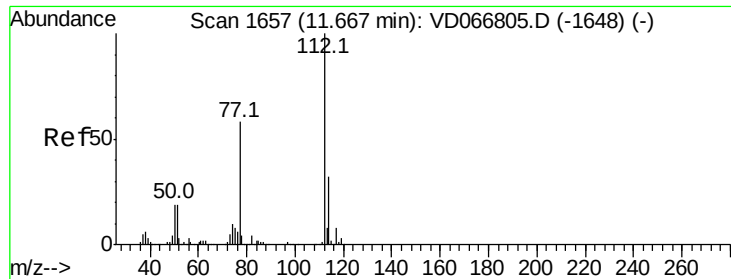
Tot Ion:117 Resp: 578721
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.6
119 32.0 24.6 37.0



#64
Tetrachloroethene
Concen: 55.861 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion:164 Resp: 232539
Ion Ratio Lower Upper
164 100
166 126.7 101.1 151.7
129 95.5 77.0 115.4
131 91.8 76.6 115.0

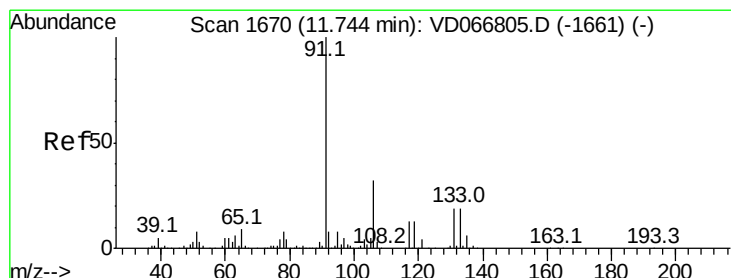
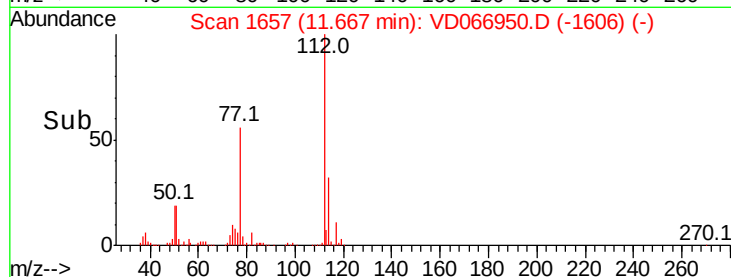
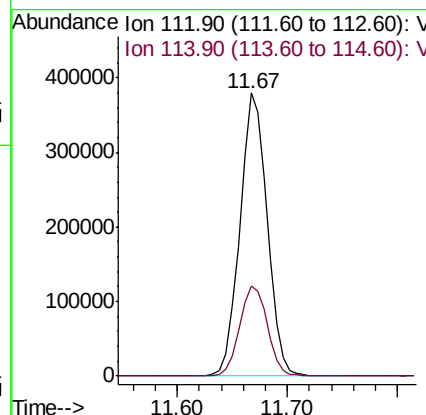
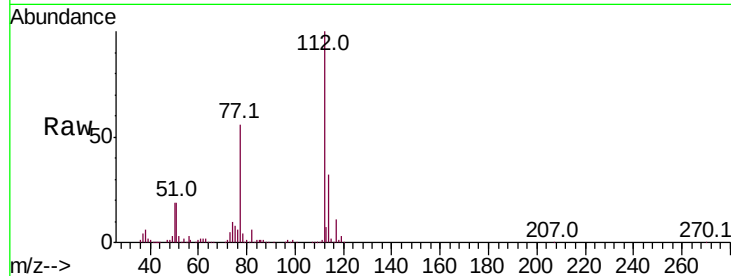




#65
Chlorobenzene
Concen: 54.727 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

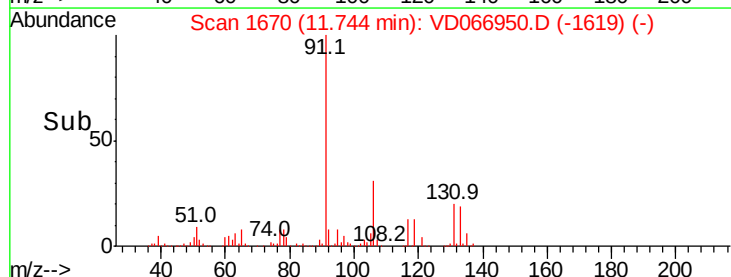
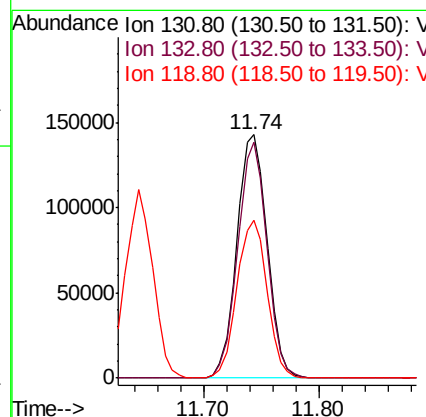
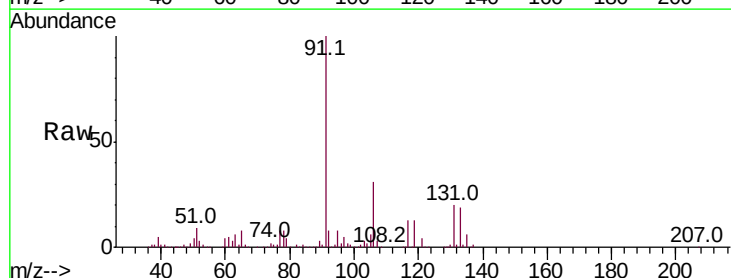
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

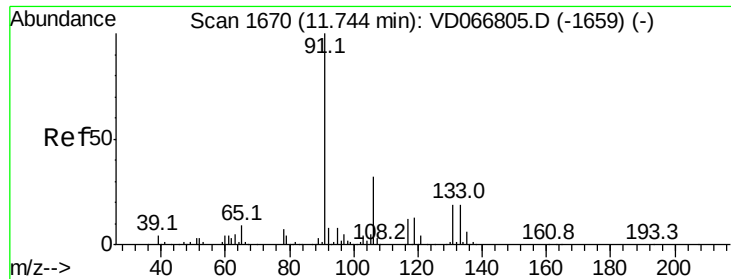
Tot Ion:112 Resp: 659263
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 56.872 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion:131 Resp: 259297
Ion Ratio Lower Upper
131 100
133 94.0 46.7 140.1
119 64.9 32.3 96.9

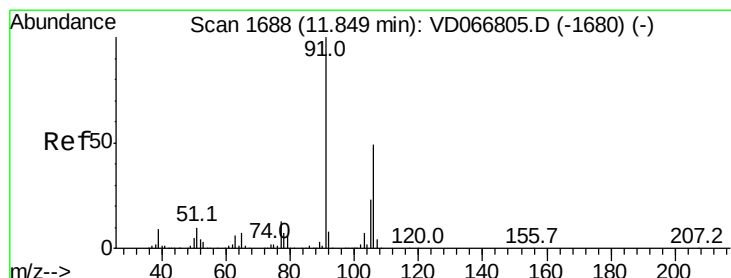
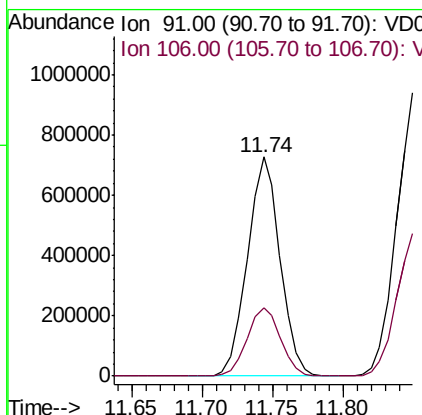
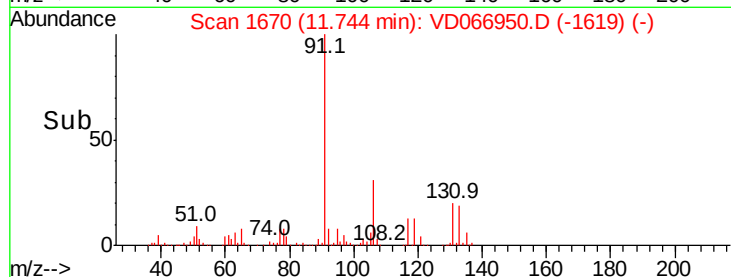
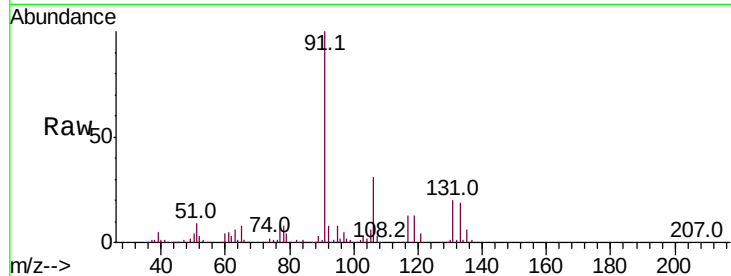




#67
Ethyl Benzene
Concen: 55.860 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

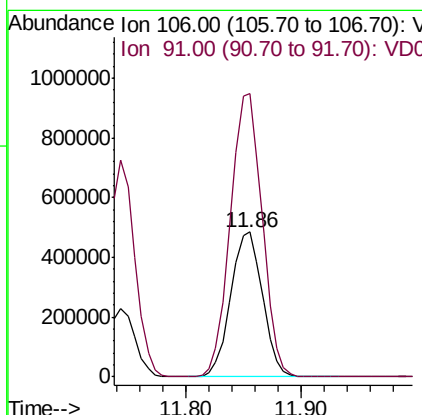
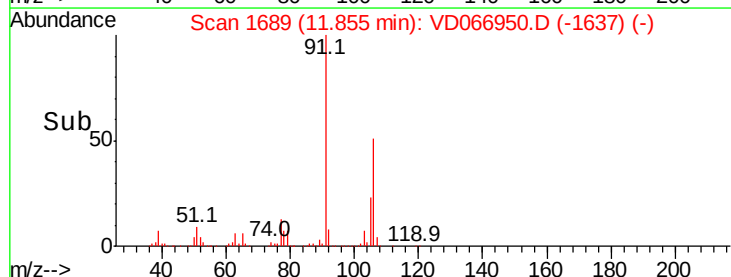
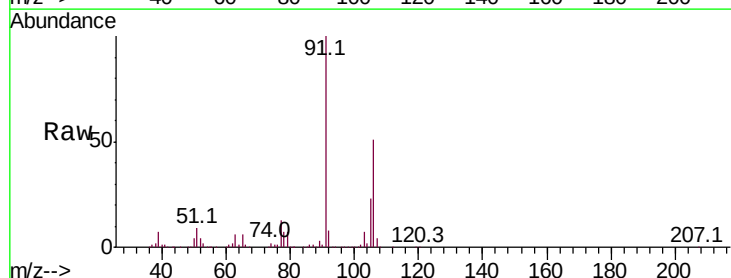
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

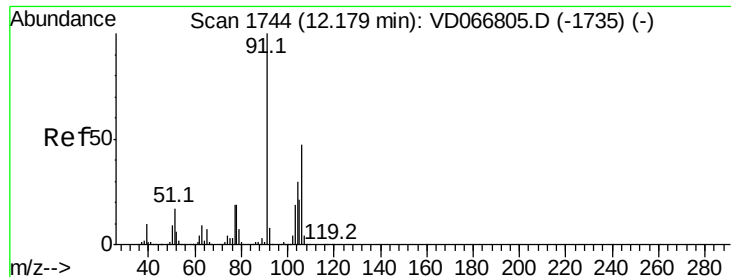
Tot Ion: 91 Resp: 1181843
Ion Ratio Lower Upper
91 100
106 31.3 25.6 38.4



#68
m/p-Xylenes
Concen: 115.412 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 106 Resp: 924501
Ion Ratio Lower Upper
106 100
91 195.7 160.7 241.1

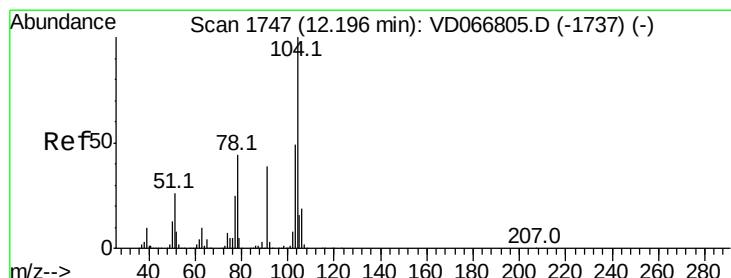
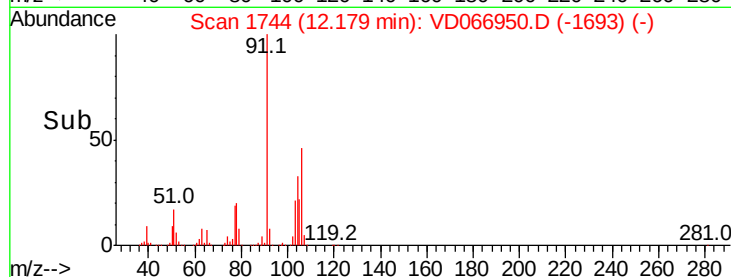
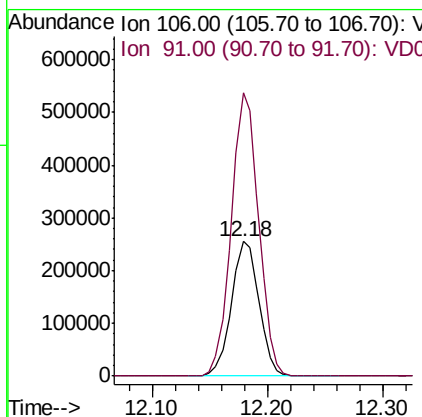
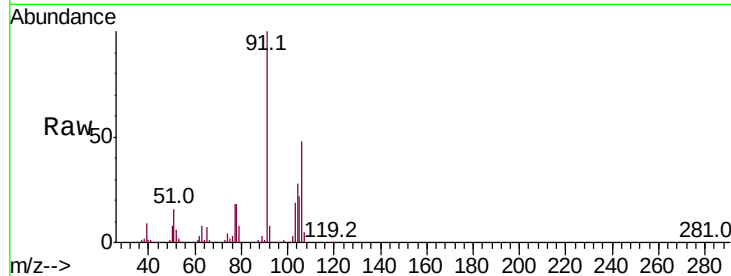




#69
o-Xylene
Concen: 58.135 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

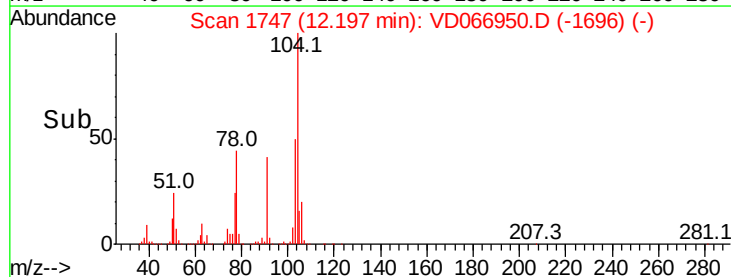
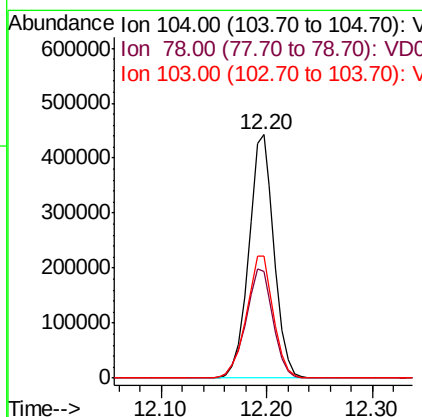
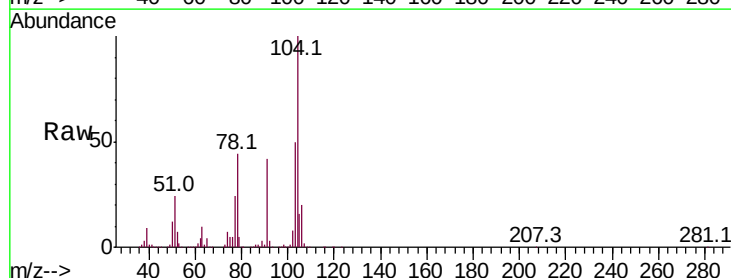
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

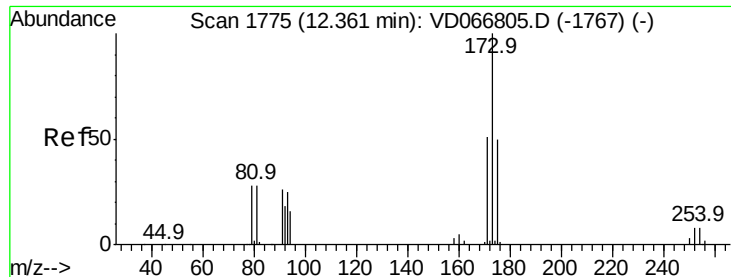
Tot Ion:106 Resp: 421090
Ion Ratio Lower Upper
106 100
91 209.5 106.3 318.8



#70
Styrene
Concen: 58.339 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion:104 Resp: 733833
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 53.5 43.2 64.8





#71

Bromoform

Concen: 59.426 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

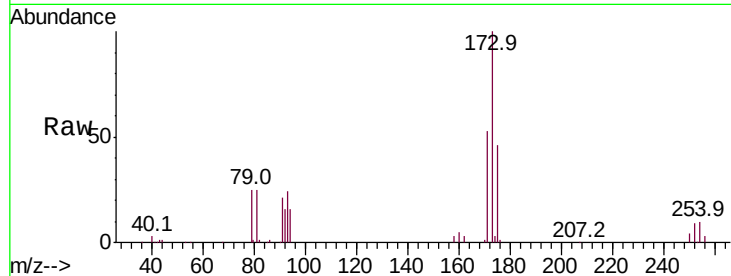
Tot Ion:173 Resp: 137182

Ion Ratio Lower Upper

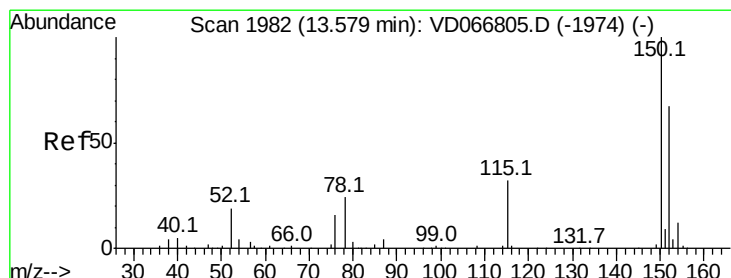
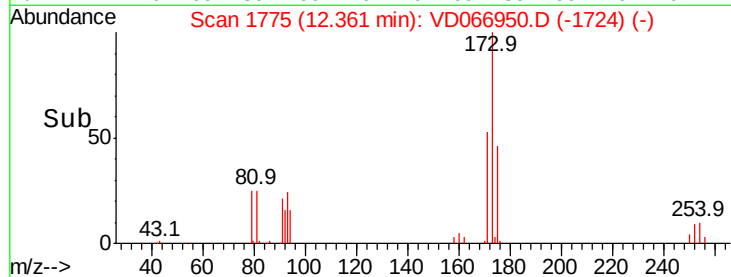
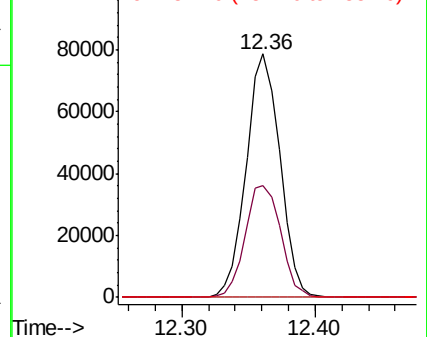
173 100

175 48.4 24.9 74.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

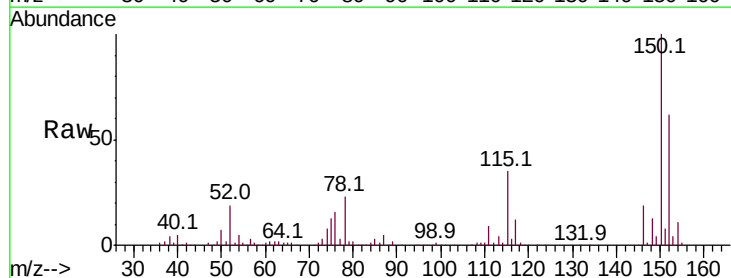
Tgt Ion:152 Resp: 279899

Ion Ratio Lower Upper

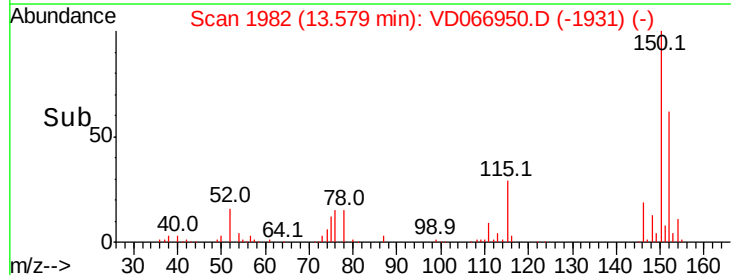
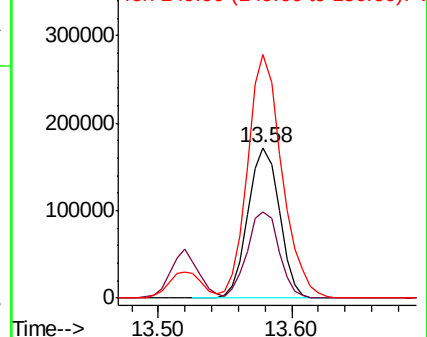
152 100

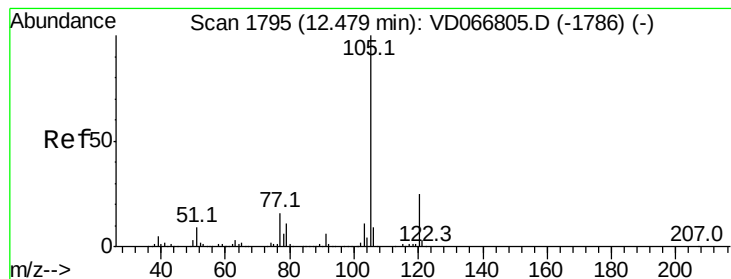
115 58.0 30.3 91.0

150 176.7 0.0 346.2



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: 56.451 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

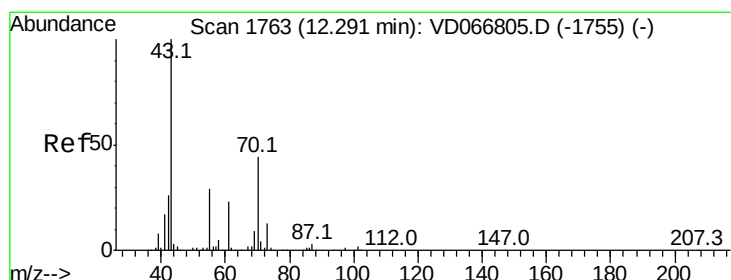
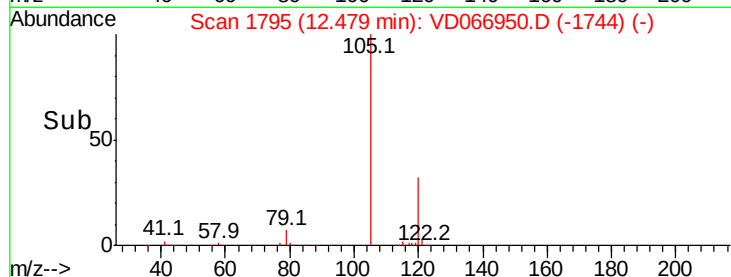
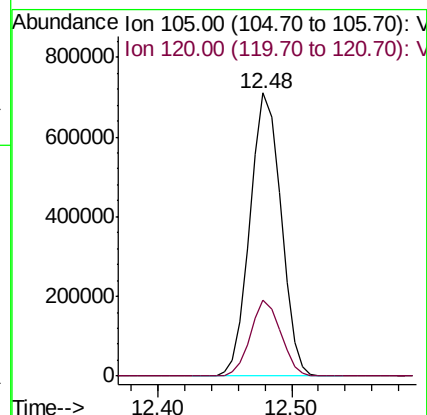
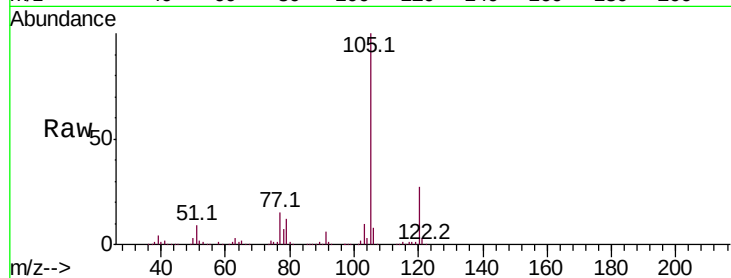
VSTDCCC050

Tot Ion:105 Resp: 1141427

Ion Ratio Lower Upper

105 100

120 26.2 12.9 38.6



#74

N-ethyl acetate

Concen: 57.296 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion: 43 Resp: 226242

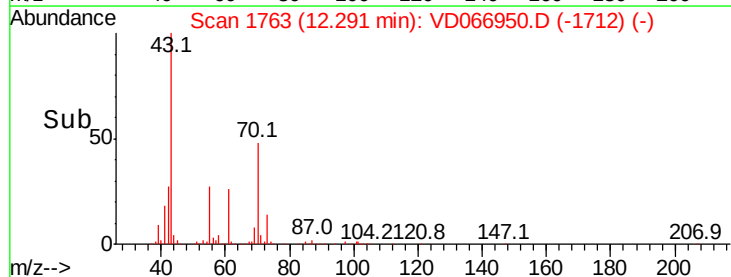
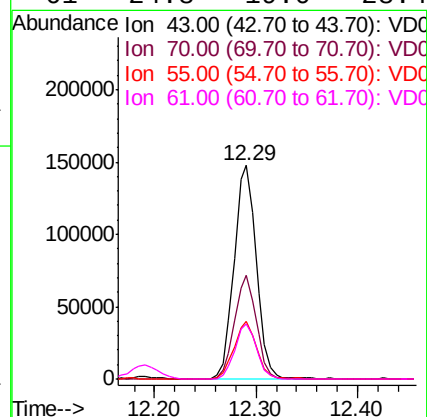
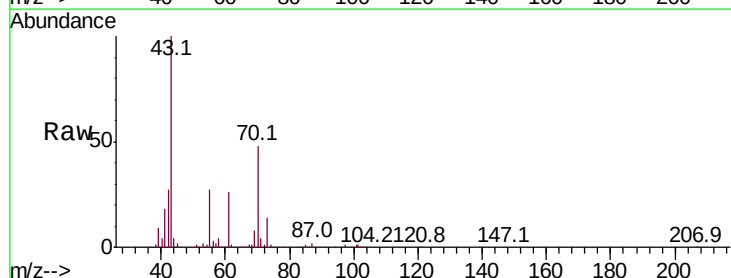
Ion Ratio Lower Upper

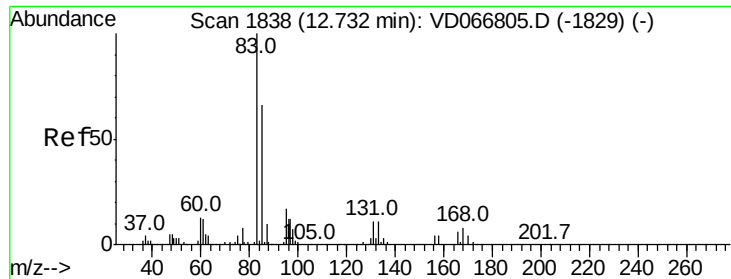
43 100

70 47.5 36.1 54.1

55 27.5 21.8 32.8

61 24.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.940 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

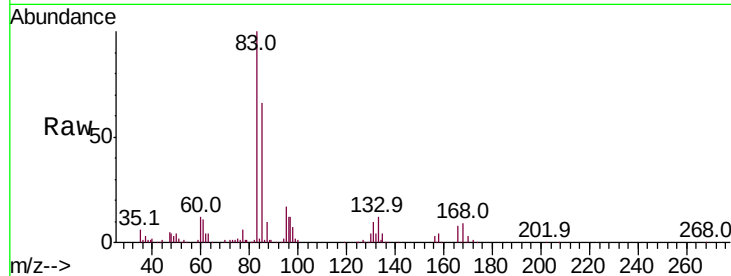
Tot Ion: 83 Resp: 191687

Ion Ratio Lower Upper

83 100

131 11.9 5.5 16.7

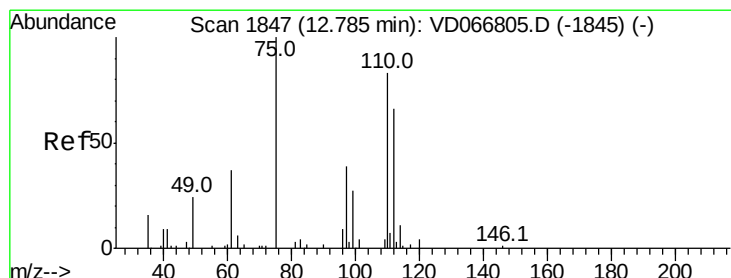
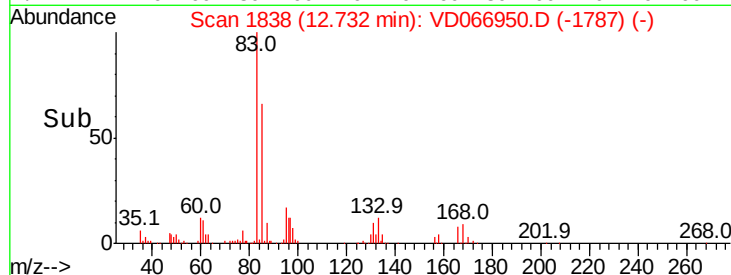
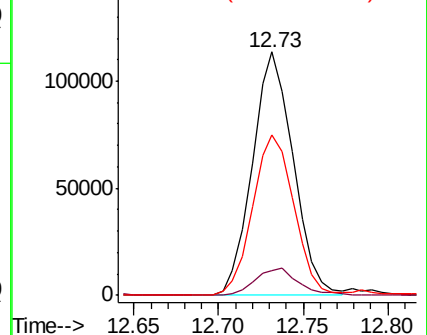
85 66.5 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 109.499 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066950.D

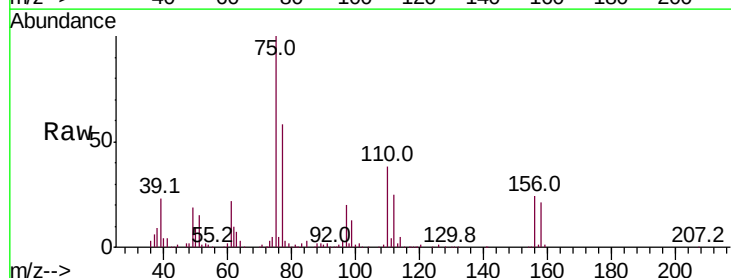
Acq: 29 Sep 2020 21:20

Tgt Ion: 75 Resp: 253992

Ion Ratio Lower Upper

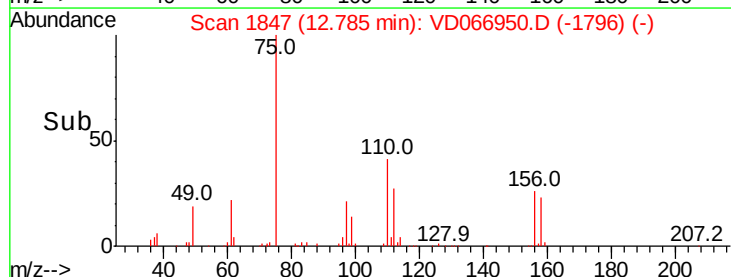
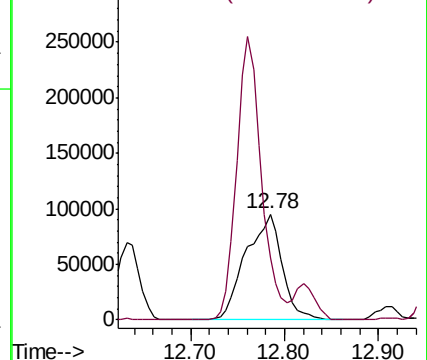
75 100

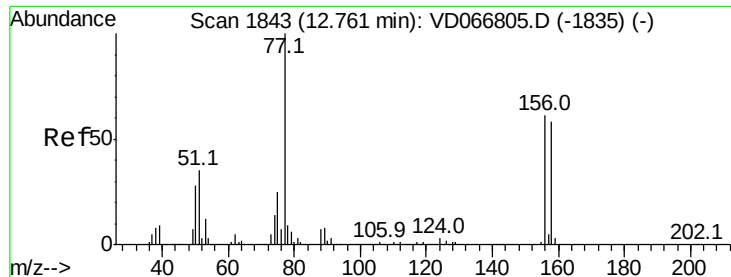
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 56.869 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

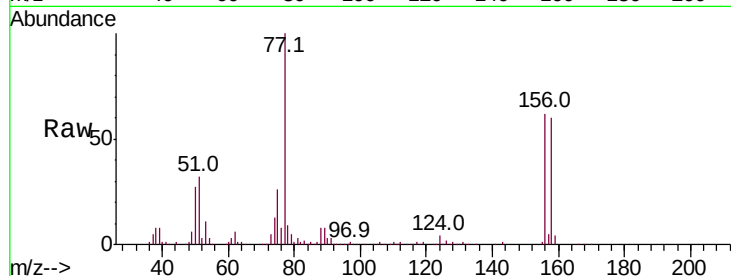
Tot Ion:156 Resp: 268935

Ion Ratio Lower Upper

156 100

77 174.0 92.3 276.9

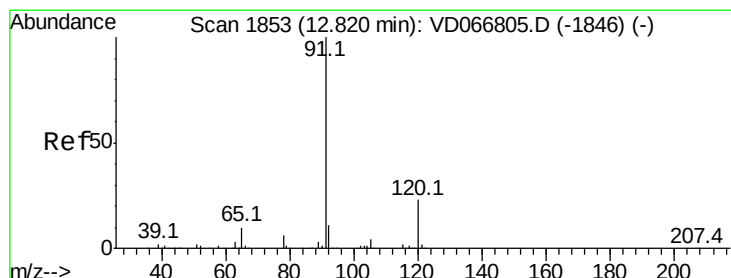
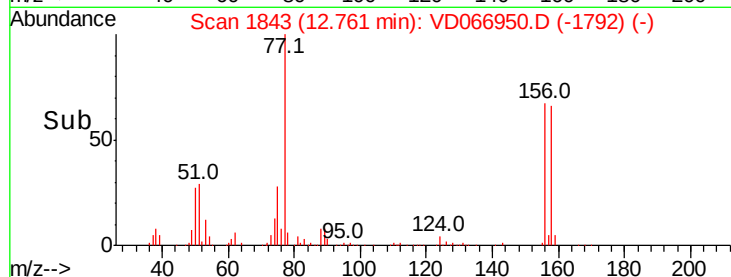
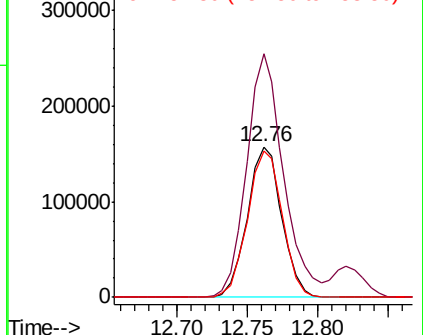
158 98.5 47.6 142.9



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: 54.514 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066950.D

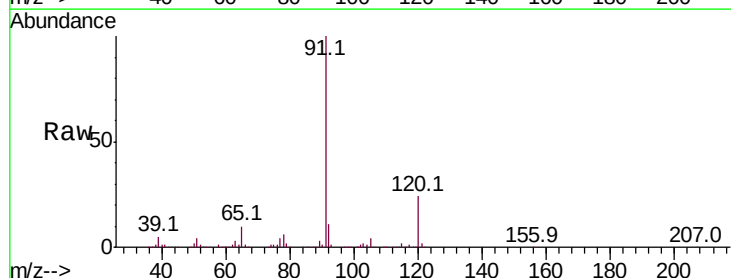
Acq: 29 Sep 2020 21:20

Tgt Ion: 91 Resp: 1326089

Ion Ratio Lower Upper

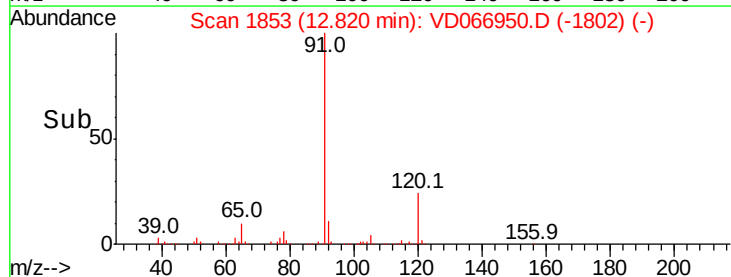
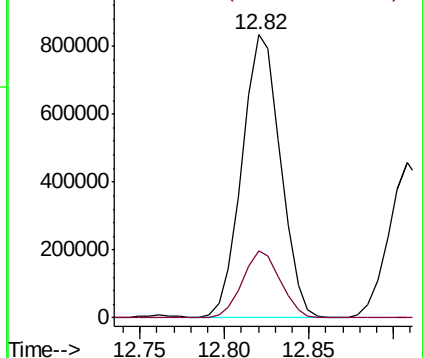
91 100

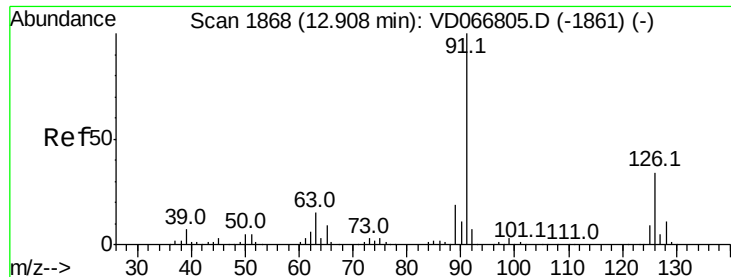
120 23.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

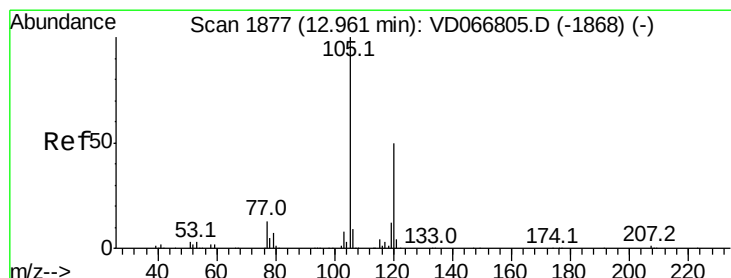
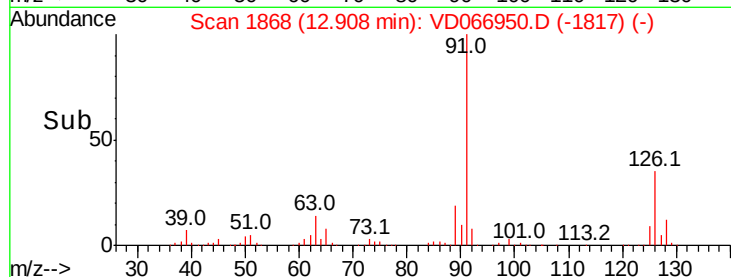
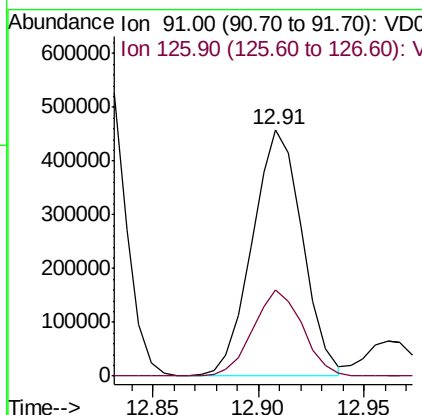
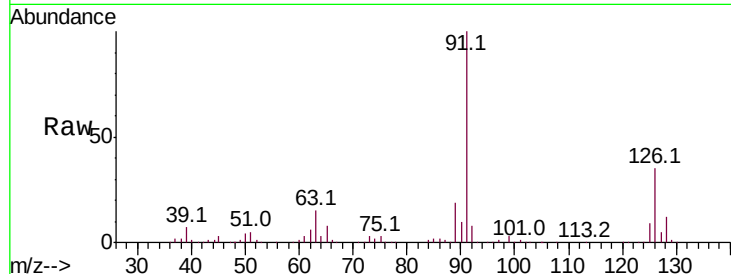




#79
 2-Chlorotoluene
 Concen: 54.367 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

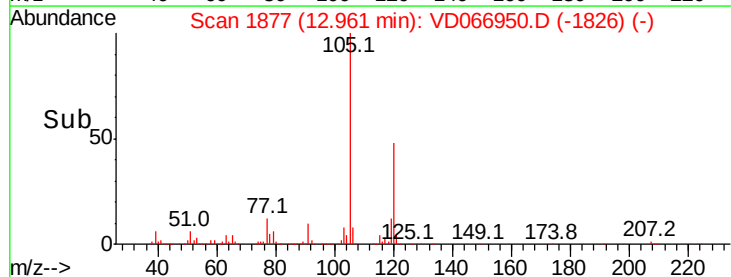
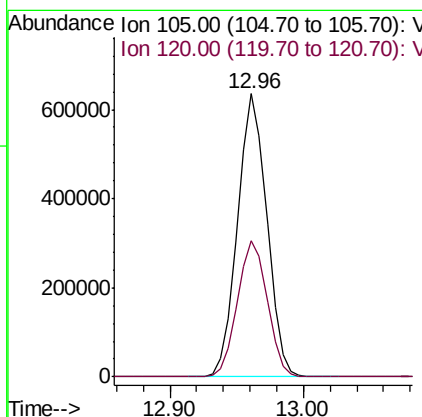
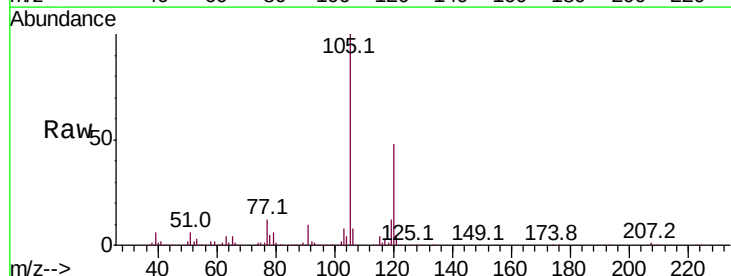
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

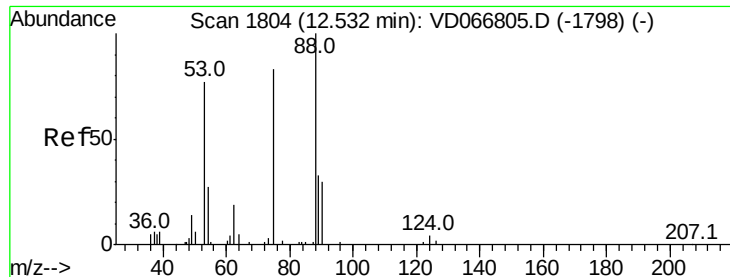
Tot Ion: 91 Resp: 753628
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 56.225 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion:105 Resp: 964639
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 61.086 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

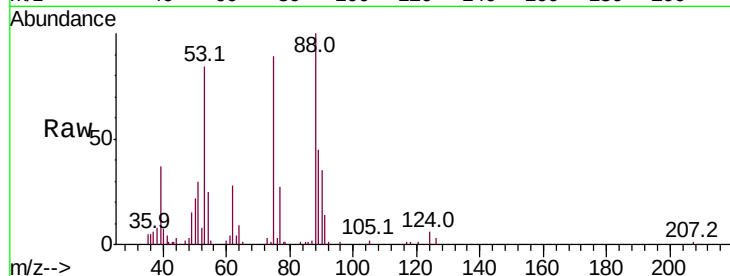
Tot Ion: 75 Resp: 56634

Ion Ratio Lower Upper

75 100

53 91.6 78.5 117.7

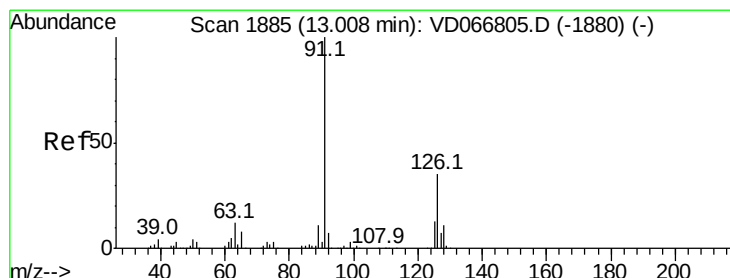
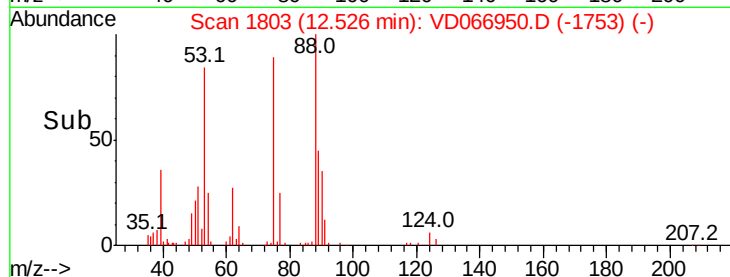
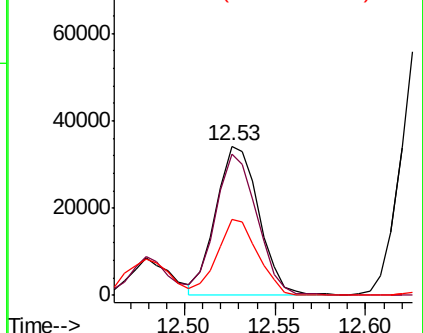
89 47.9 38.1 57.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 54.611 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066950.D

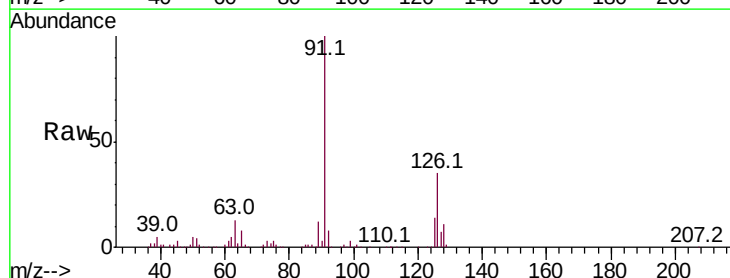
Acq: 29 Sep 2020 21:20

Tgt Ion: 91 Resp: 797997

Ion Ratio Lower Upper

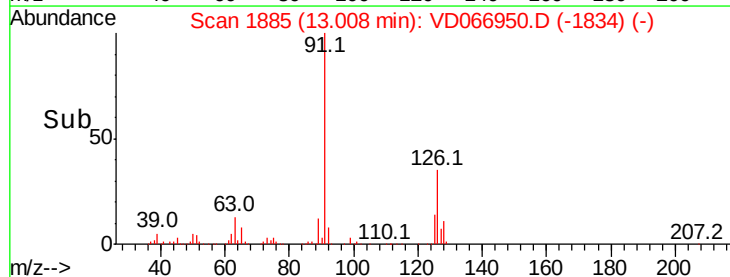
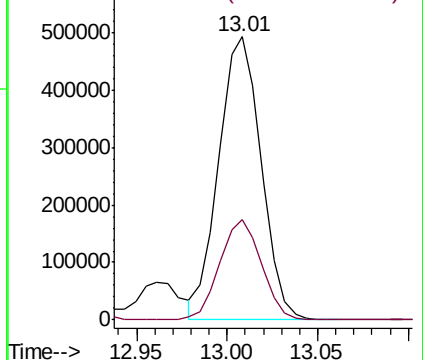
91 100

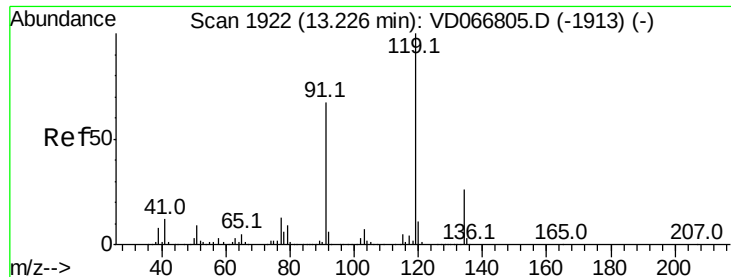
126 35.0 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

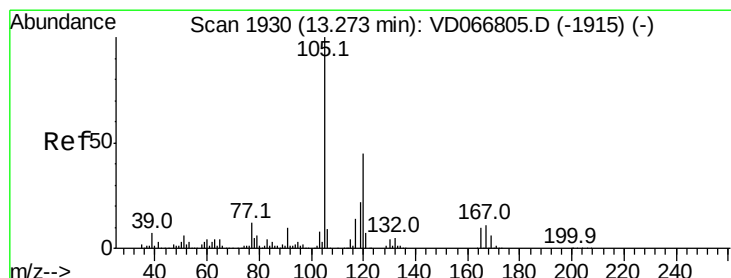
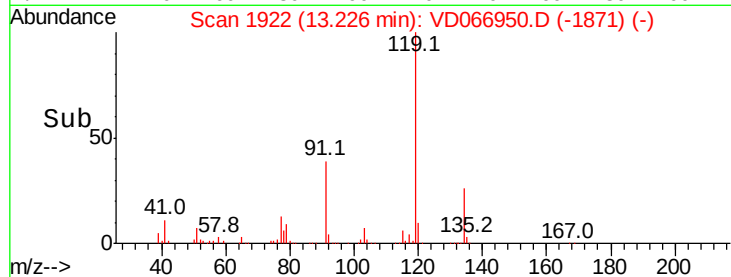
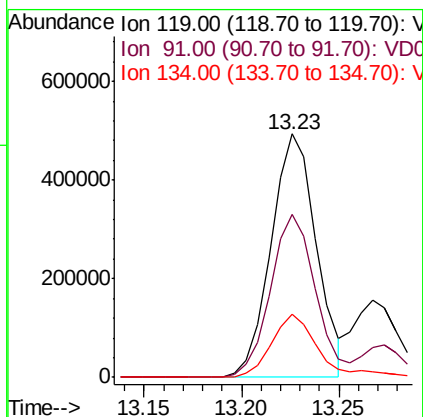
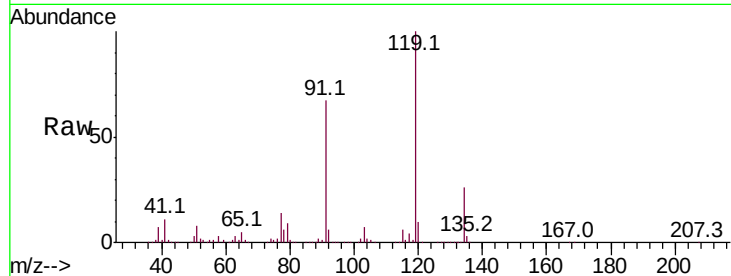




#83
 tert-Butylbenzene
 Concen: 56.275 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

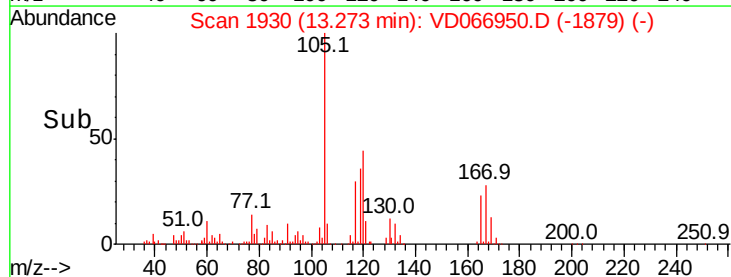
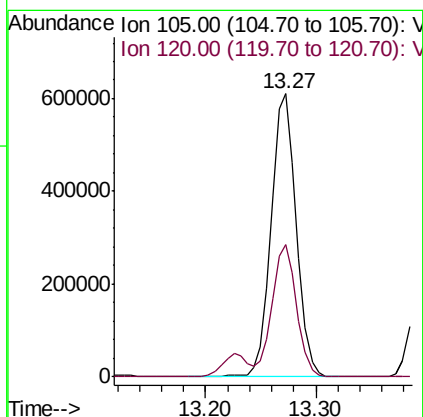
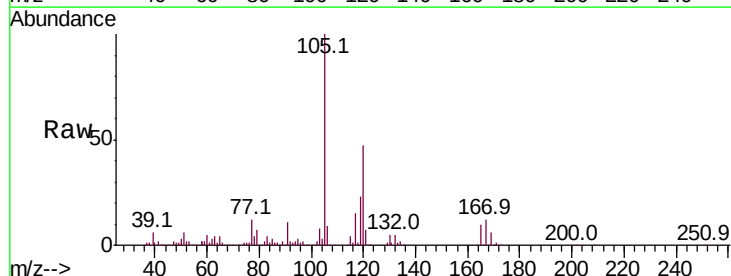
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

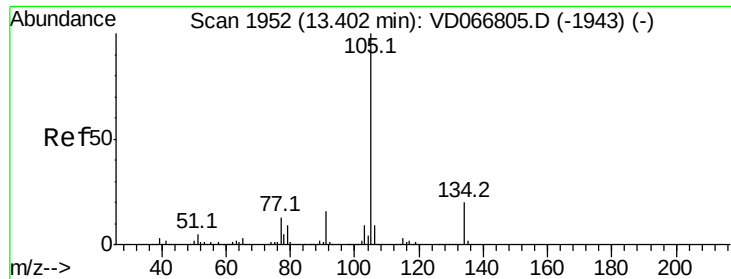
Tot Ion:119 Resp: 793381
 Ion Ratio Lower Upper
 119 100
 91 66.8 33.6 100.8
 134 26.8 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 56.880 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion:105 Resp: 967690
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 55.409 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

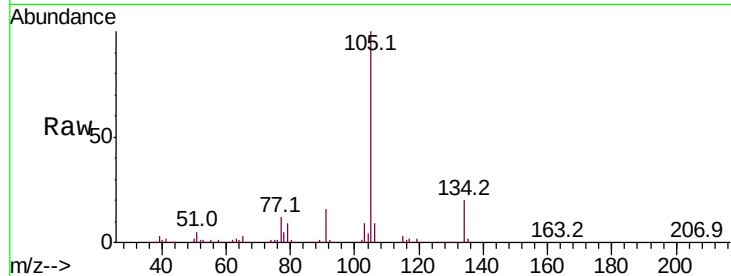
VSTDCCC050

Tot Ion:105 Resp: 1123318

Ion Ratio Lower Upper

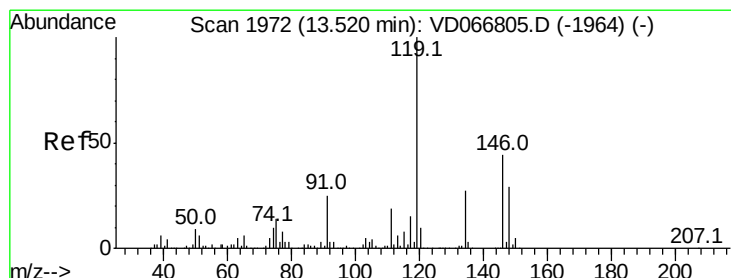
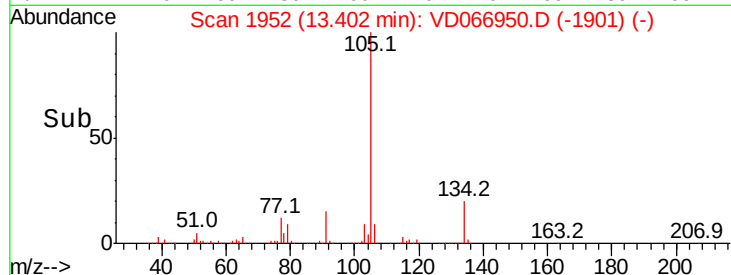
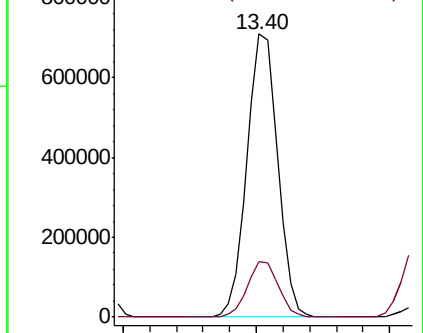
105 100

134 19.8 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.457 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

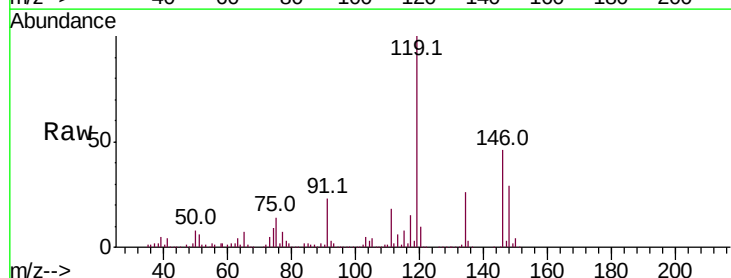
Tgt Ion:119 Resp: 1049972

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

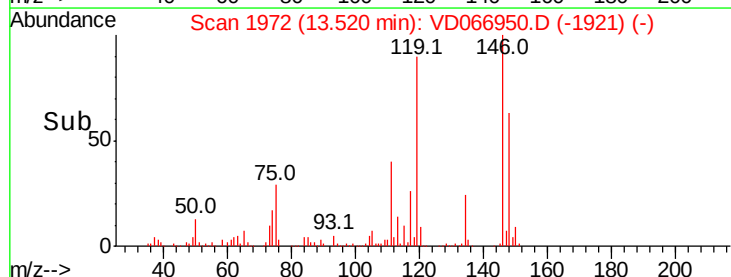
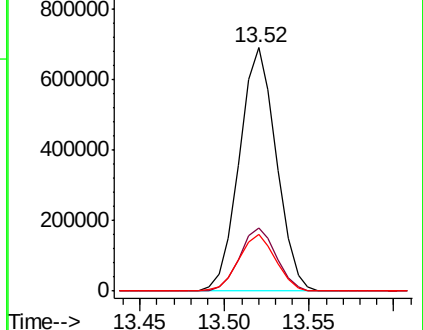
91 23.2 12.0 36.1

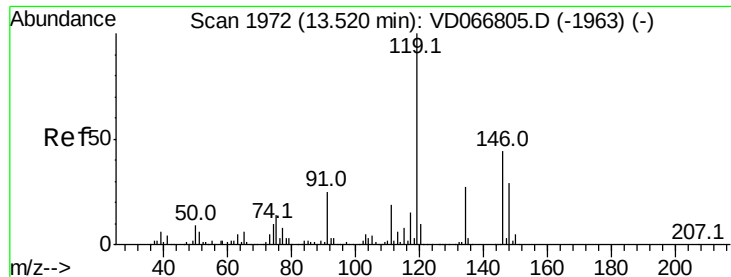


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 55.657 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

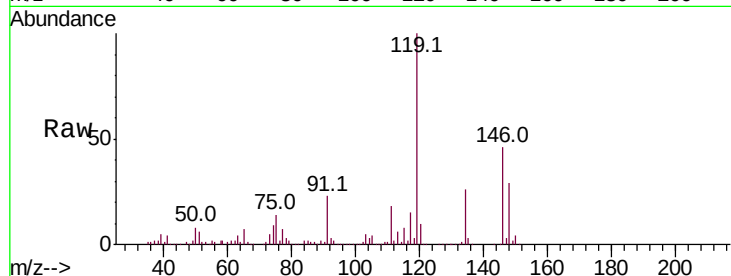
Tot Ion:146 Resp: 519995

Ion Ratio Lower Upper

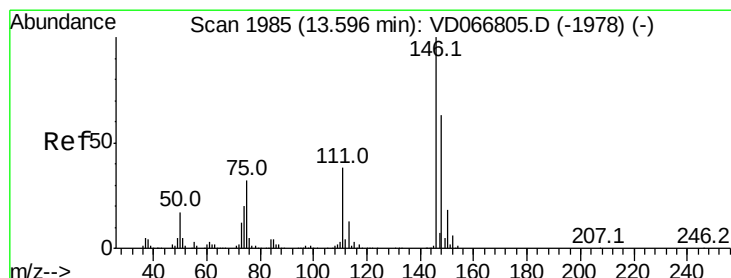
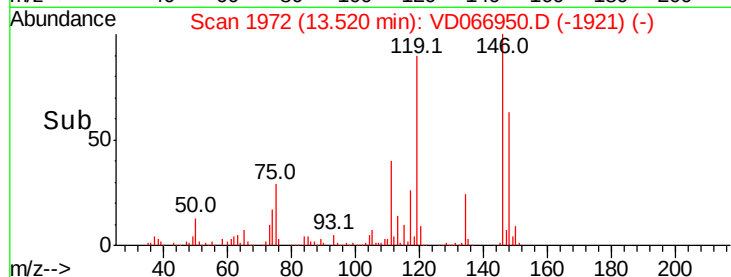
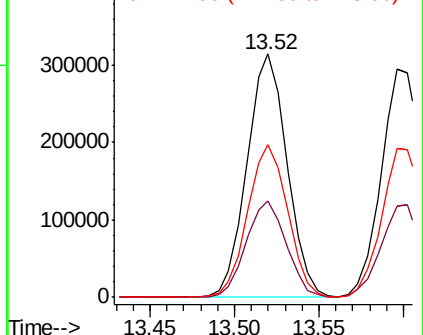
146 100

111 39.6 20.3 60.9

148 62.8 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 54.252 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

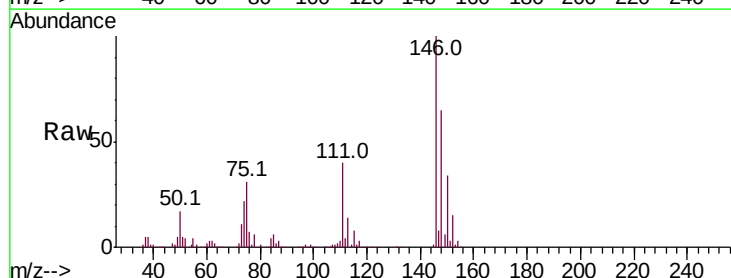
Tgt Ion:146 Resp: 503417

Ion Ratio Lower Upper

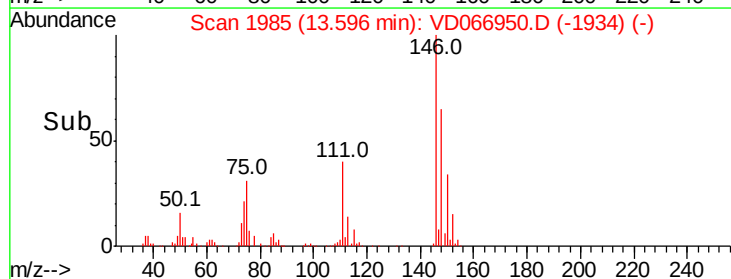
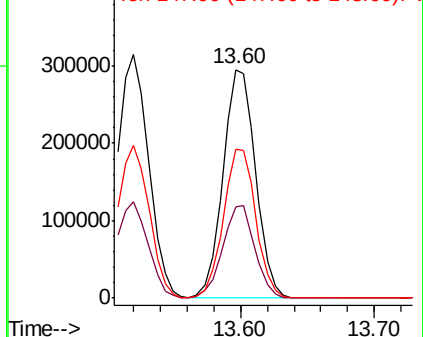
146 100

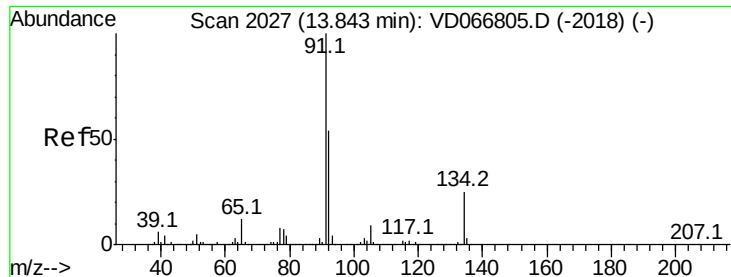
111 40.3 20.2 60.5

148 64.8 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

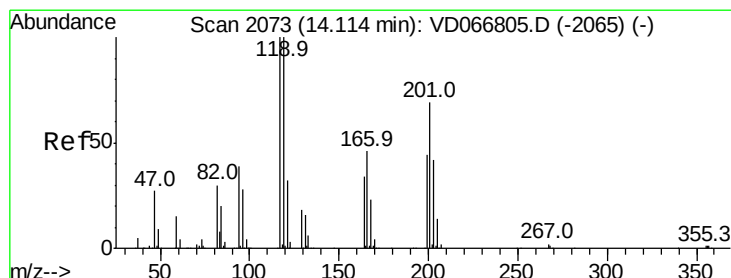
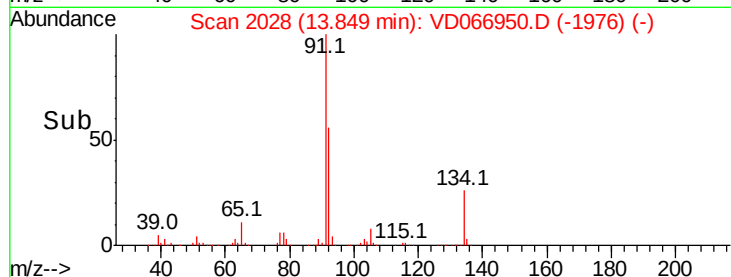
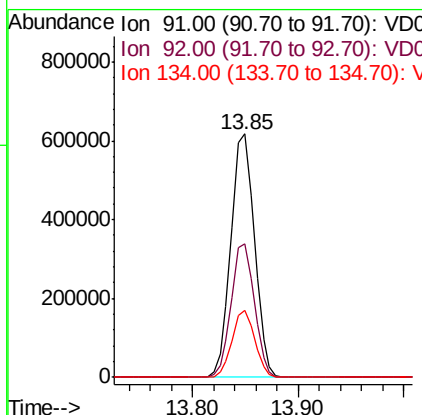
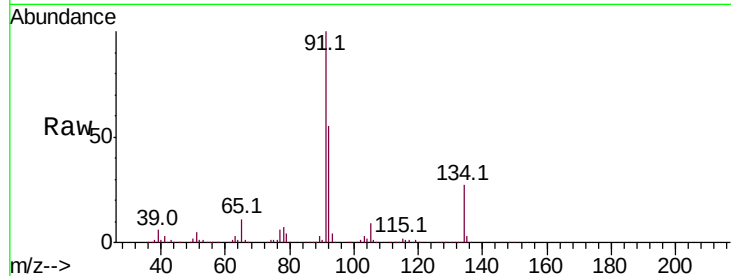




#89
n-Butylbenzene
Concen: 54.727 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

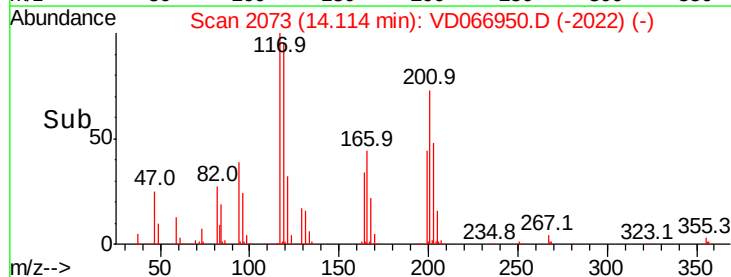
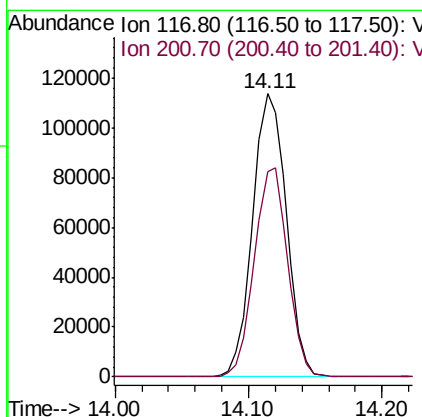
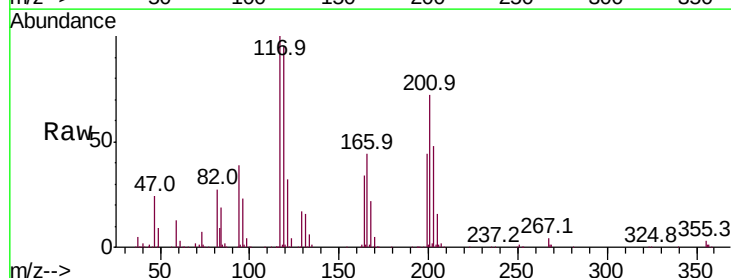
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

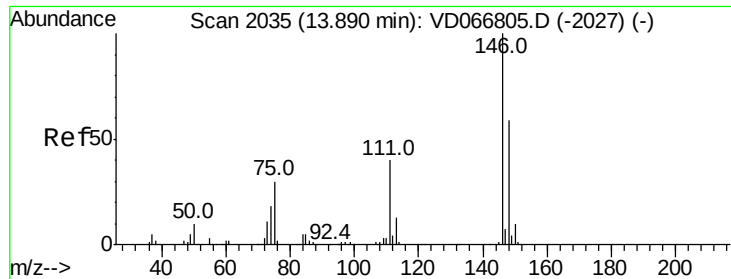
Tot Ion: 91 Resp: 950573
Ion Ratio Lower Upper
91 100
92 54.1 26.7 80.0
134 26.5 13.1 39.1



#90
Hexachloroethane
Concen: 53.385 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 117 Resp: 198057
Ion Ratio Lower Upper
117 100
201 72.9 33.7 101.0

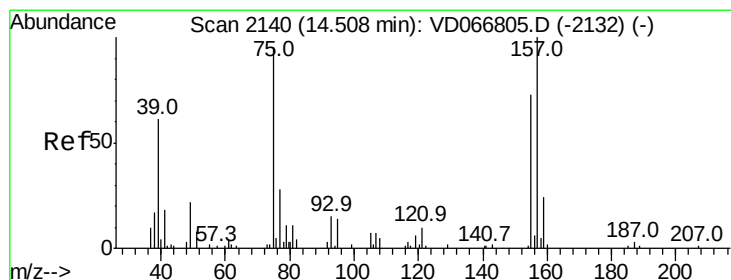
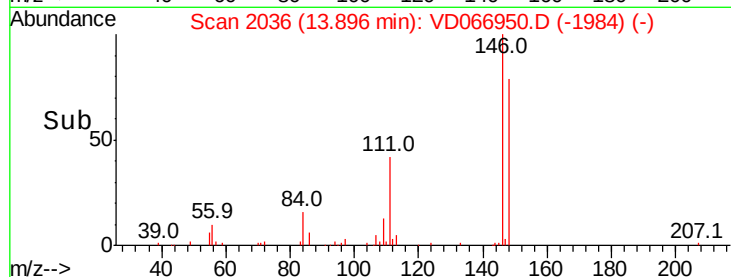
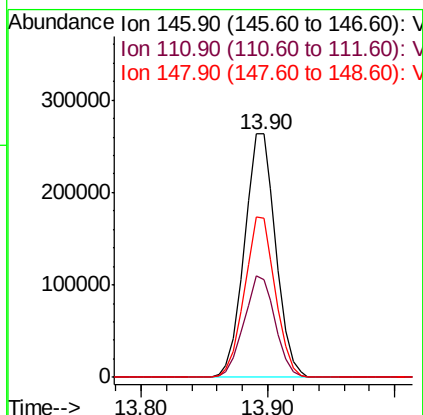
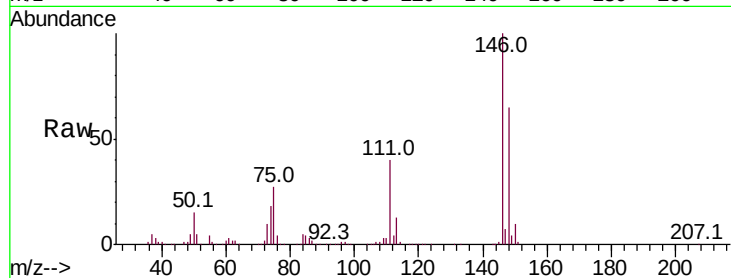




#91
 1,2-Dichlorobenzene
 Concen: 56.334 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

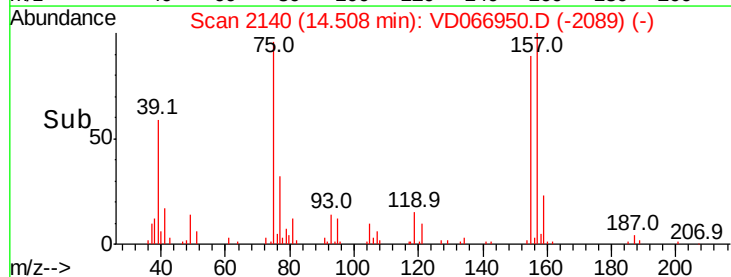
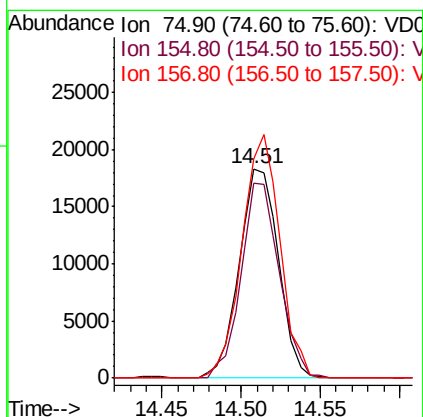
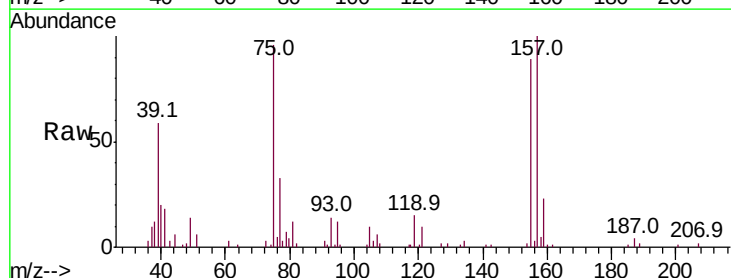
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

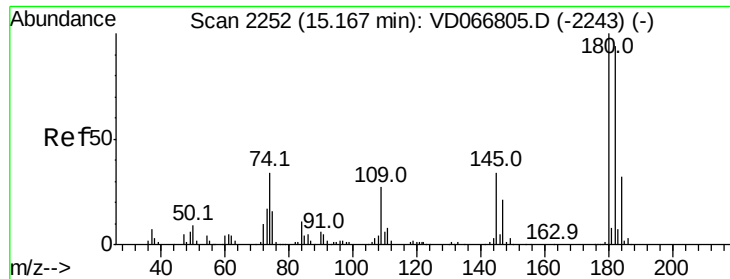
Tot Ion:146 Resp: 450286
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.9 62.7
 148 64.7 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.111 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion: 75 Resp: 31493
 Ion Ratio Lower Upper
 75 100
 155 91.0 40.4 121.2
 157 112.3 51.3 153.9

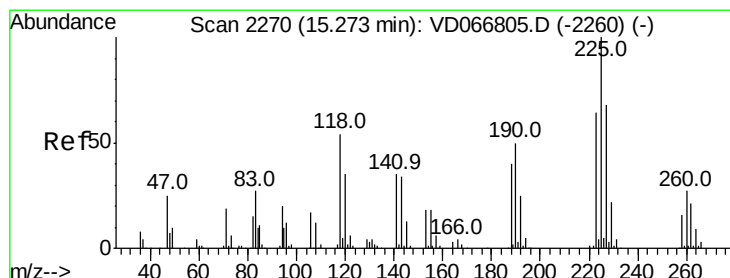
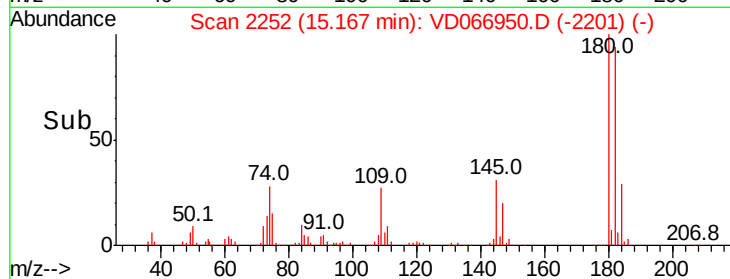
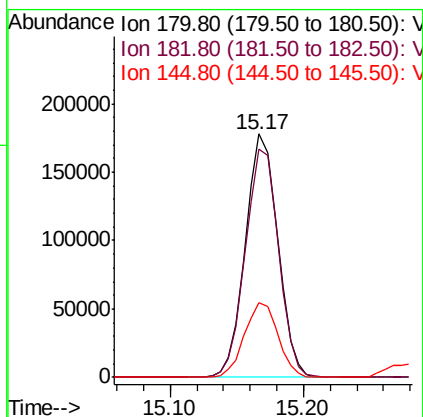
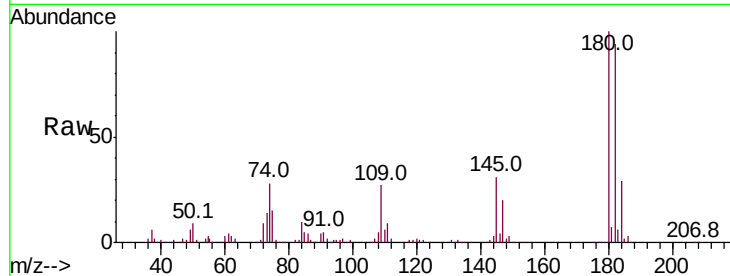




#93
 1,2,4-Trichlorobenzene
 Concen: 59.393 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

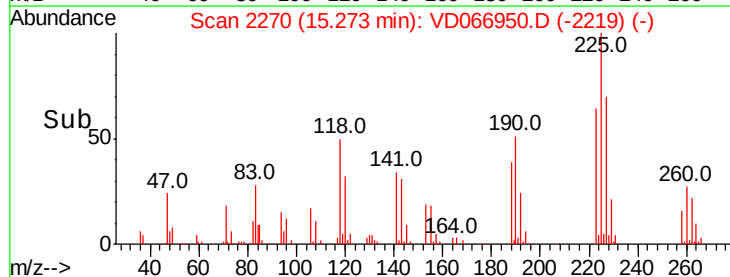
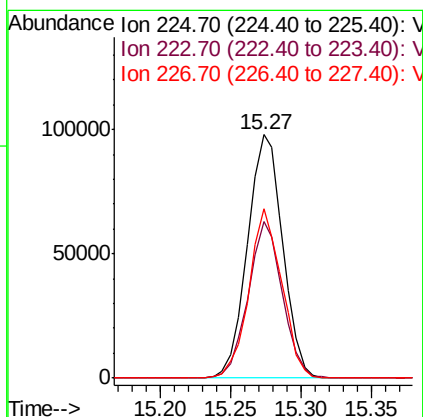
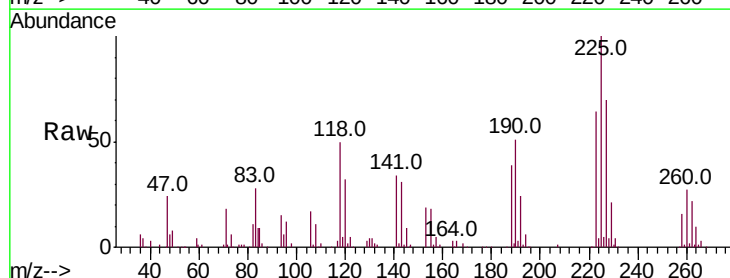
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

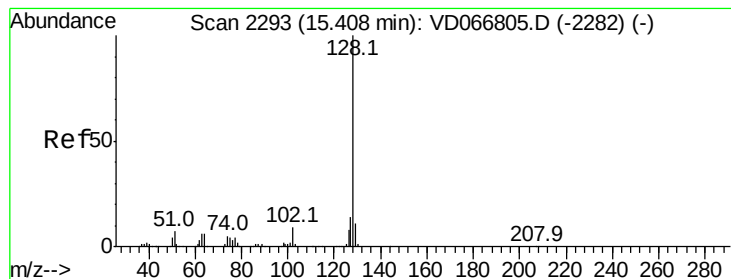
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.8	146.3
145	31.7	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 56.799 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.3
227	65.0	31.7	95.1





#95

Naphthalene

Concen: 64.872 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

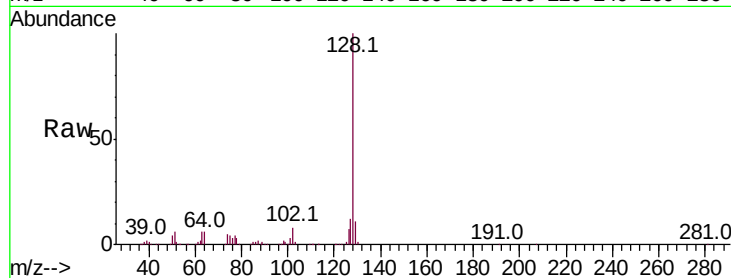
Tot Ion:128 Resp: 554183

Ion Ratio Lower Upper

128 100

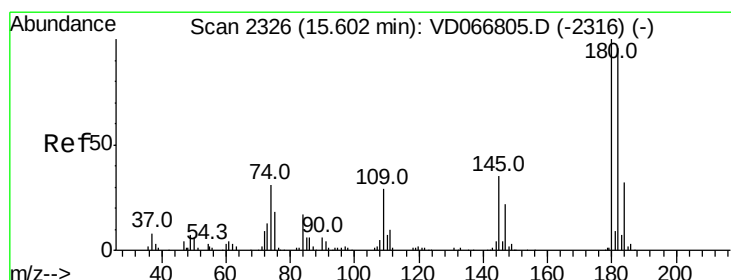
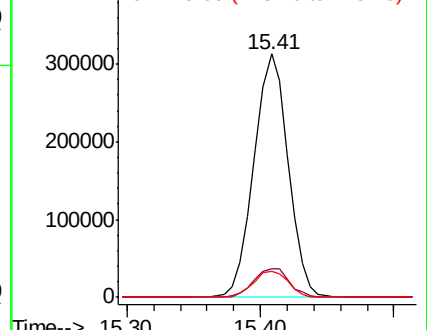
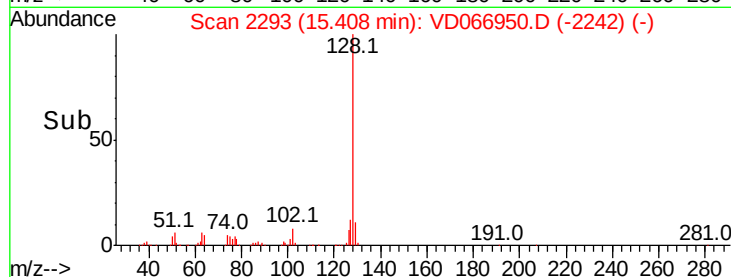
127 12.5 10.6 16.0

129 11.1 8.9 13.3



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

15.41



#96

1,2,3-Trichlorobenzene

Concen: 61.178 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

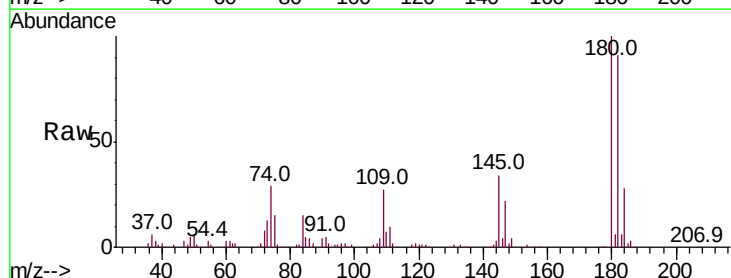
Tgt Ion:180 Resp: 265696

Ion Ratio Lower Upper

180 100

182 95.4 46.8 140.3

145 34.1 17.0 51.0



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

15.60

