

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067403.D
 Acq On : 27 Oct 2020 11:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 28 00:43:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	329364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	465900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	428144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215034	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	148424	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
35) Dibromofluoromethane	7.91	113	153593	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.34	98	560945	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.64	95	190357	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	116107	43.334	ug/l	94
3) Chloromethane	2.21	50	82739	39.916	ug/l	99
4) Vinyl Chloride	2.35	62	96469	42.416	ug/l	89
5) Bromomethane	2.77	94	72899	45.866	ug/l	97
6) Chloroethane	2.92	64	60330	42.593	ug/l	94
7) Trichlorofluoromethane	3.27	101	278280	48.591	ug/l	97
8) Diethyl Ether	3.71	74	59139	45.127	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	146852	48.263	ug/l	98
10) Methyl Iodide	4.30	142	139206	49.596	ug/l	99
11) Tert butyl alcohol	5.23	59	39926	228.877	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	130640	48.059	ug/l	99
13) Acrolein	3.92	56	38806	201.386	ug/l	100
14) Allyl chloride	4.71	41	145027	46.588	ug/l	99
15) Acrylonitrile	5.43	53	108361	247.809	ug/l	98
16) Acetone	4.16	43	122182	264.390	ug/l	93
17) Carbon Disulfide	4.41	76	327525	42.265	ug/l	99
18) Methyl Acetate	4.72	43	48524	46.036	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	264824	48.995	ug/l	97
20) Methylene Chloride	4.96	84	143364	48.276	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	150598	48.143	ug/l	96
22) Diisopropyl ether	6.36	45	280332	49.297	ug/l	100
23) Vinyl Acetate	6.31	43	825691	255.217	ug/l	100
24) 1,1-Dichloroethane	6.26	63	237832	48.858	ug/l	98
25) 2-Butanone	7.21	43	128755	244.419	ug/l	92
26) 2,2-Dichloropropane	7.21	77	258146	51.450	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	164840	48.081	ug/l	96
28) Bromochloromethane	7.55	49	79974	48.167	ug/l #	99
29) Tetrahydrofuran	7.57	42	69461	237.209	ug/l	95
30) Chloroform	7.71	83	290627	49.978	ug/l	93
31) Cyclohexane	7.98	56	172585	45.410	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	285654	50.066	ug/l	98
36) 1,1-Dichloropropene	8.11	75	204594	51.811	ug/l	100
37) Ethyl Acetate	7.29	43	59636	51.330	ug/l #	92
38) Carbon Tetrachloride	8.10	117	269618	53.422	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	217800	52.759	ug/l	98
40) Benzene	8.36	78	557219	51.436	ug/l	100
41) Methacrylonitrile	7.53	41	36735	58.511	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	174672	51.523	ug/l	99
43) Isopropyl Acetate	8.46	43	116337	50.464	ug/l	99
44) Trichloroethene	9.11	130	182599	52.645	ug/l	94
45) 1,2-Dichloropropane	9.39	63	127763	50.888	ug/l	100
46) Dibromomethane	9.48	93	77814	49.745	ug/l	99
47) Bromodichloromethane	9.67	83	218929	52.238	ug/l	99
48) Methyl methacrylate	9.46	41	55626	49.652	ug/l	99
49) 1,4-Dioxane	9.47	88	15749	1041.631	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	299123	260.145	ug/l	98
52) Toluene	10.41	92	393730	53.362	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	191289	51.958	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	227195	52.730	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	108264	50.754	ug/l	99
56) Ethyl methacrylate	10.67	69	115972	52.423	ug/l	98
57) 1,3-Dichloropropane	10.95	76	175340	51.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	309160	272.416	ug/l	98
59) 2-Hexanone	10.99	43	209757	266.963	ug/l	98
60) Dibromochloromethane	11.14	129	164501	52.880	ug/l	100
61) 1,2-Dibromoethane	11.25	107	105002	49.931	ug/l	97
64) Tetrachloroethene	10.88	164	158890	51.221	ug/l	90
65) Chlorobenzene	11.67	112	427769	52.103	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	175449	53.768	ug/l	97
67) Ethyl Benzene	11.75	91	759546	53.969	ug/l	97
68) m/p-Xylenes	11.85	106	586982	108.308	ug/l	99
69) o-Xylene	12.18	106	266272	53.057	ug/l	96
70) Styrene	12.20	104	469218	54.313	ug/l	100
71) Bromoform	12.37	173	93325	53.237	ug/l #	99
73) Isopropylbenzene	12.48	105	765847	56.116	ug/l	99
74) N-amyl acetate	12.29	43	108126	52.457	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	105875	50.631	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	148390	99.565	ug/l #	100
77) Bromobenzene	12.77	156	181630	53.382	ug/l	98
78) n-propylbenzene	12.83	91	885321	55.989	ug/l	100
79) 2-Chlorotoluene	12.91	91	497759	54.282	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	660395	55.684	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	35146	53.476	ug/l	94
82) 4-Chlorotoluene	13.01	91	527037	54.152	ug/l	99
83) tert-Butylbenzene	13.23	119	577907	57.687	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	657583	56.100	ug/l	100
85) sec-Butylbenzene	13.41	105	778869	56.661	ug/l	99
86) p-Isopropyltoluene	13.52	119	735463	56.685	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	352411	53.812	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	346291	53.371	ug/l	99
89) n-Butylbenzene	13.85	91	651264	57.057	ug/l	99
90) Hexachloroethane	14.11	117	123140	54.387	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	301923	52.774	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19603	51.601	ug/l	95

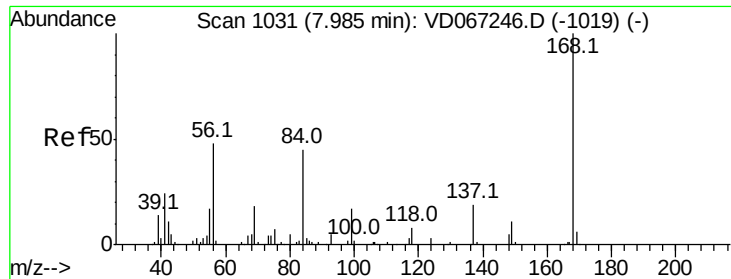
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	215807	55.948	ug/l	98
94) Hexachlorobutadiene	15.27	225	137042	57.212	ug/l	98
95) Naphthalene	15.41	128	348990	55.106	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	187954	56.402	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

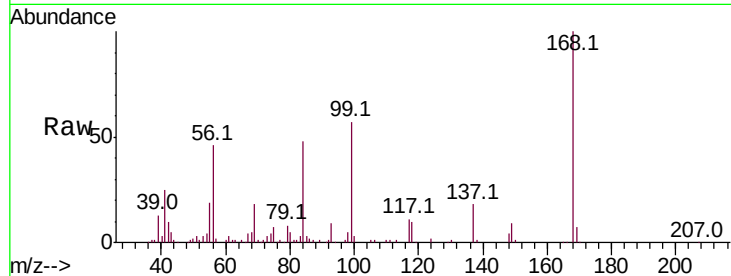
VSTDCCC050

Tot Ion:168 Resp: 329364

Ion Ratio Lower Upper

168 100

99 56.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

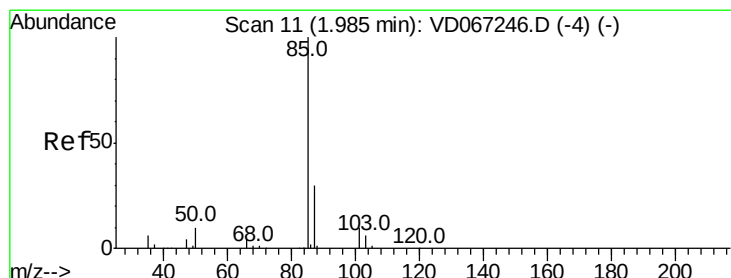
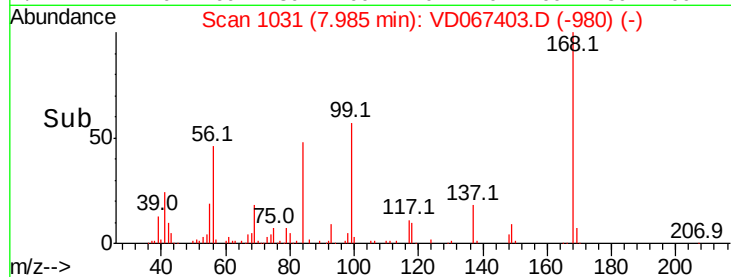
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.334 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067403.D

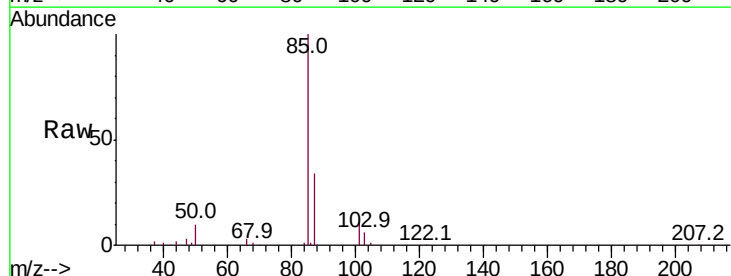
Acq: 27 Oct 2020 11:12

Tgt Ion: 85 Resp: 116107

Ion Ratio Lower Upper

85 100

87 33.7 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

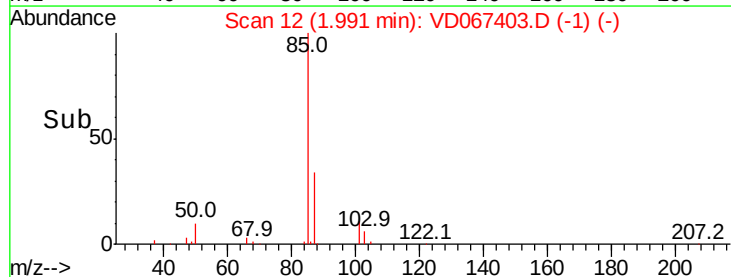
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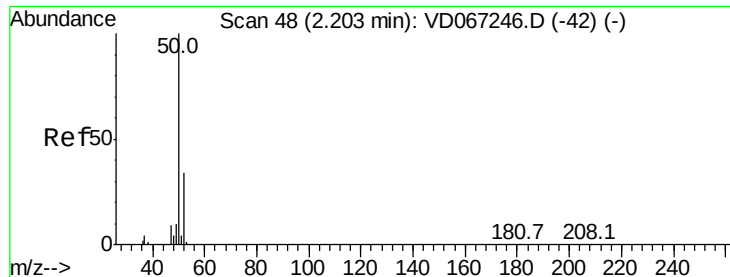
20000

0

1.95 2.00 2.05

Time-->

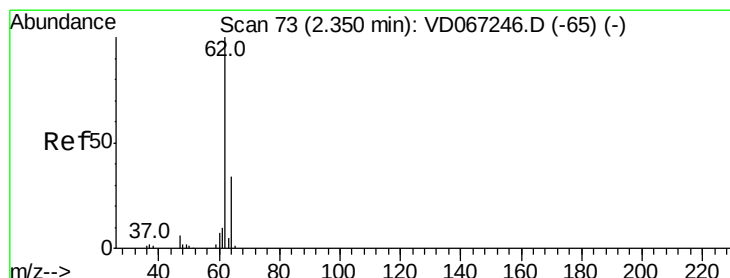
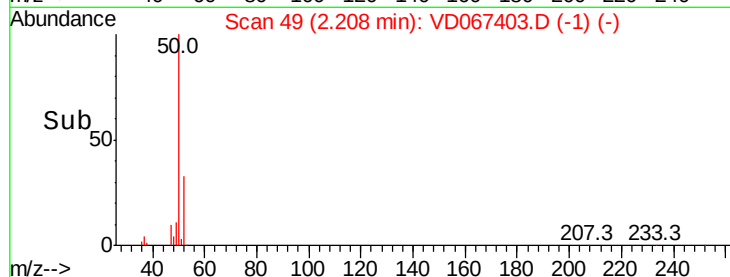
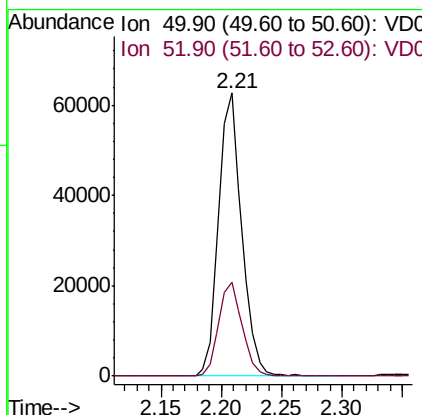
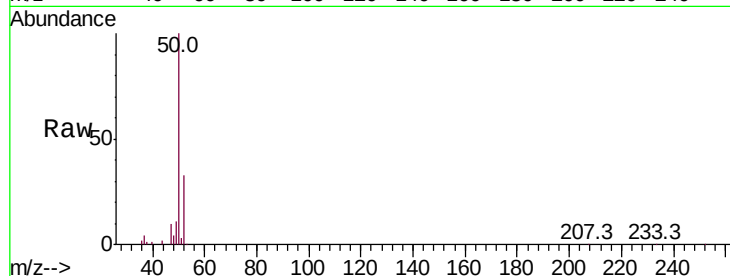




#3
Chloromethane
Concen: 39.916 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

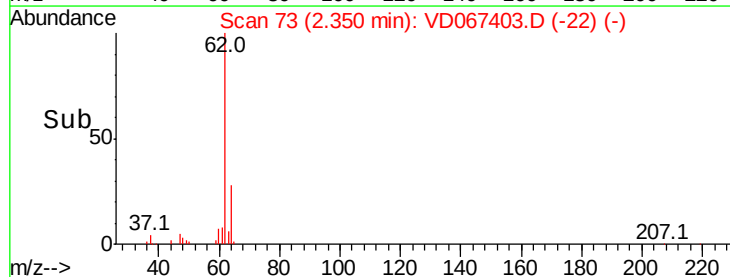
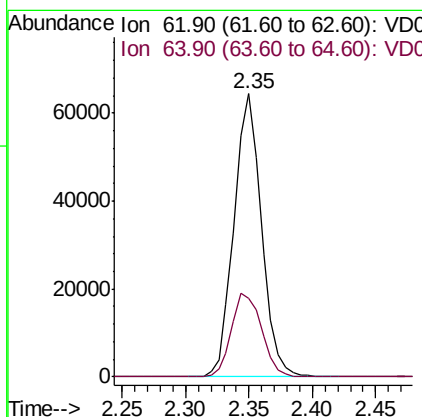
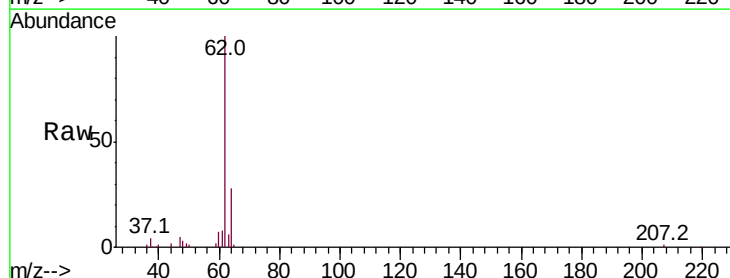
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

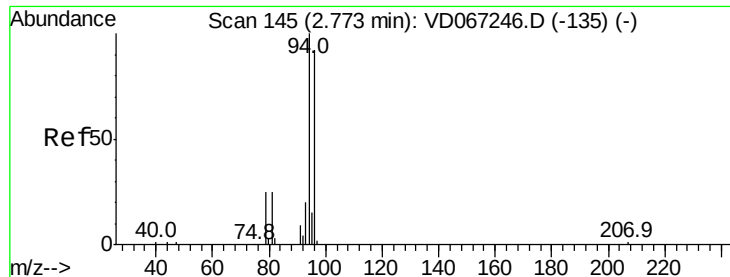
Tot Ion: 50 Resp: 82739
Ion Ratio Lower Upper
50 100
52 33.4 27.1 40.7



#4
Vinyl Chloride
Concen: 42.416 ug/l
RT: 2.35 min Scan# 73
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 62 Resp: 96469
Ion Ratio Lower Upper
62 100
64 27.7 27.4 41.0





#5

Bromomethane

Concen: 45.866 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

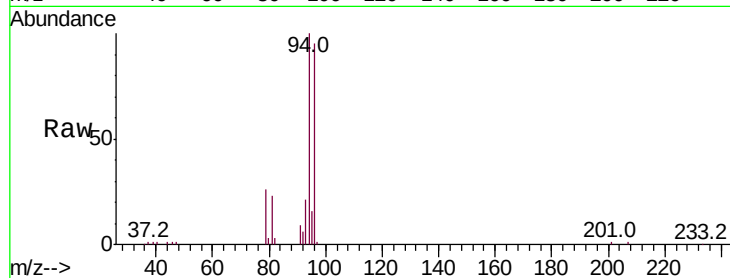
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 72899

Ion	Ratio	Lower	Upper
94	100		
96	94.9	73.8	110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

30000

20000

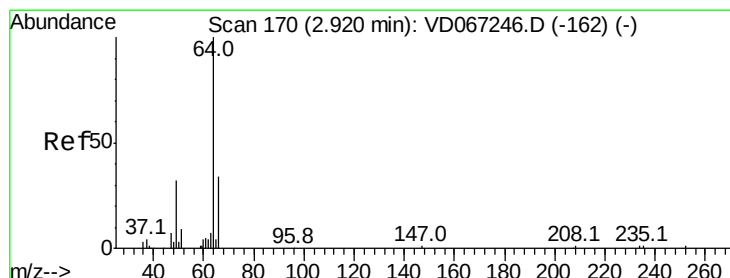
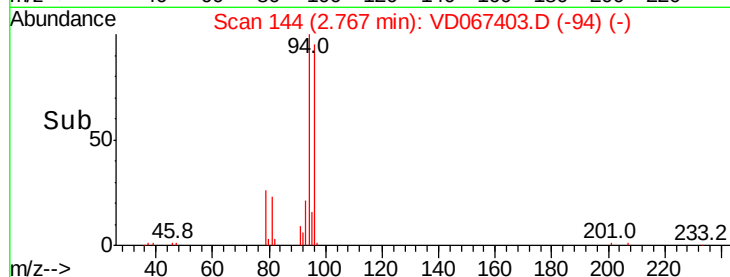
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0

Time-->

2.70

2.80



#6

Chloroethane

Concen: 42.593 ug/l

RT: 2.92 min Scan# 170

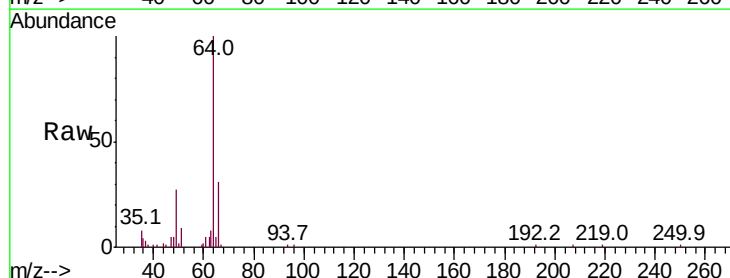
Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Tgt Ion: 64 Resp: 60330

Ion	Ratio	Lower	Upper
64	100		
66	30.6	27.4	41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

20000

10000

0

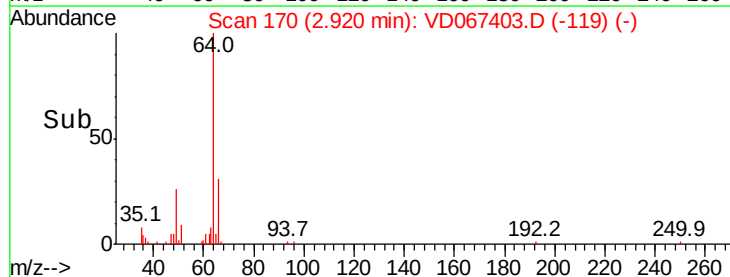
Time-->

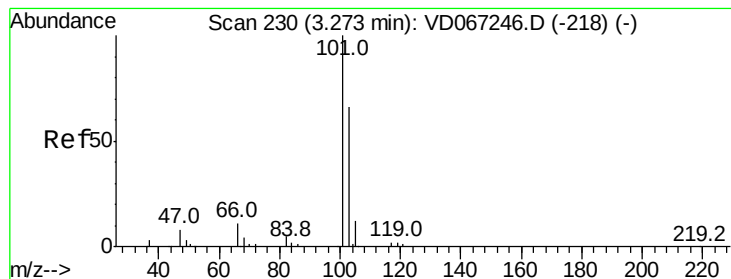
2.85

2.90

2.95

3.00



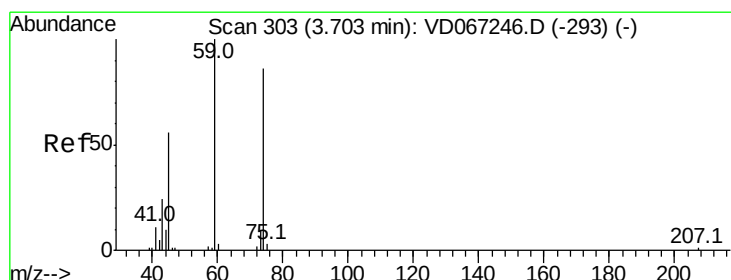
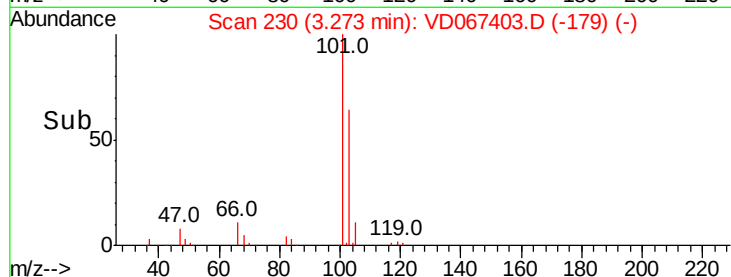
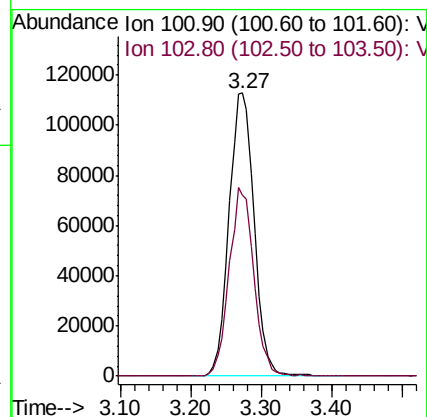
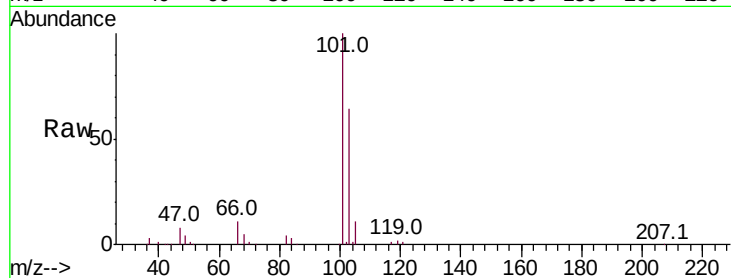


#7

Trichlorofluoromethane
 Concen: 48.591 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Instrument :
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 VSTDCCC050

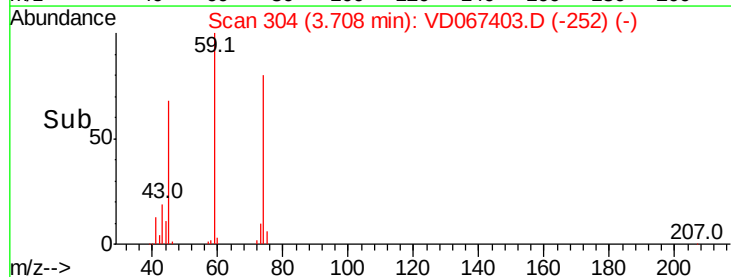
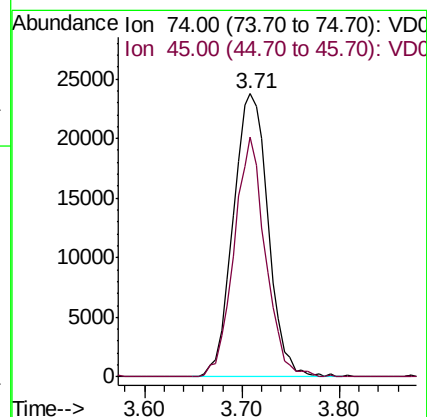
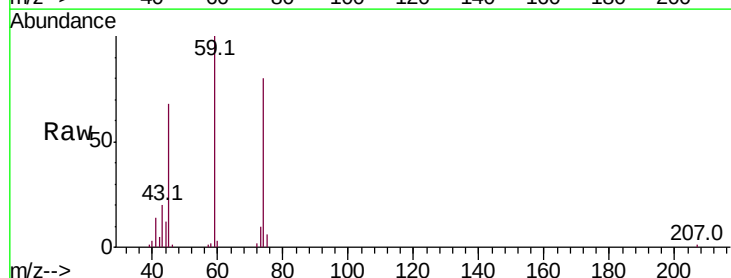
Tot Ion:101 Resp: 278280
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.1 79.7

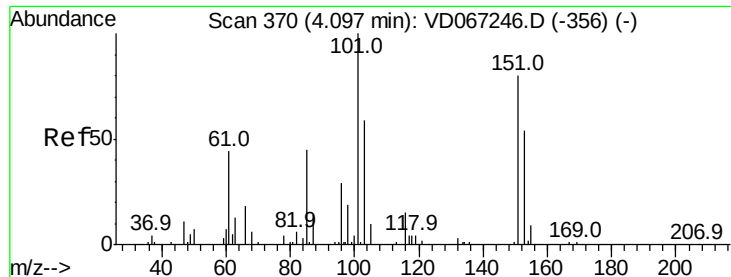


#8

Diethyl Ether
 Concen: 45.127 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion: 74 Resp: 59139
 Ion Ratio Lower Upper
 74 100
 45 76.2 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.263 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

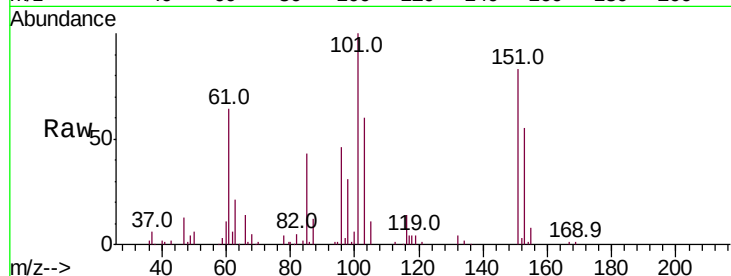
Tot Ion:101 Resp: 146852

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

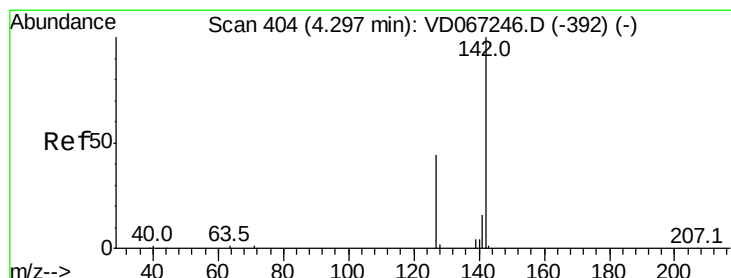
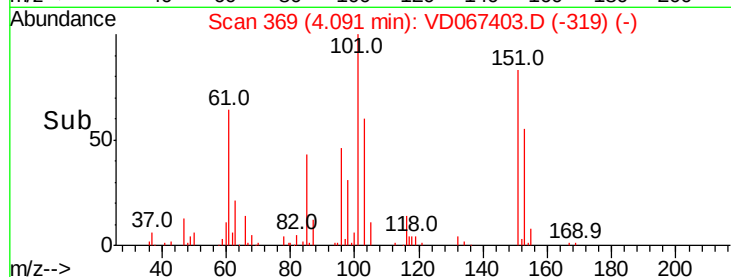
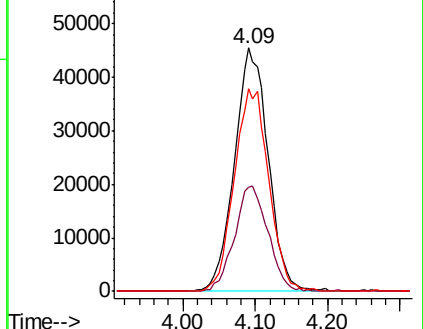
151 85.0 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.596 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

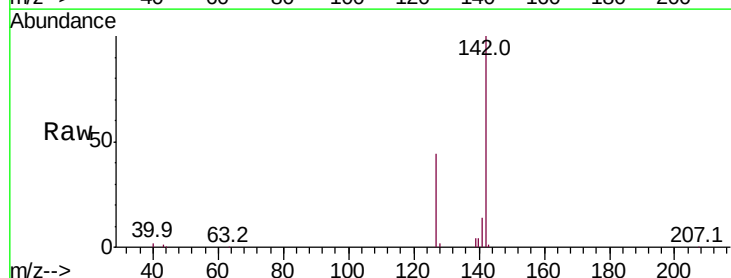
Tgt Ion:142 Resp: 139206

Ion Ratio Lower Upper

142 100

127 48.3 38.4 57.6

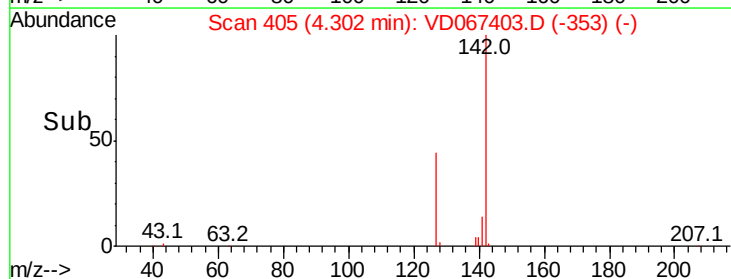
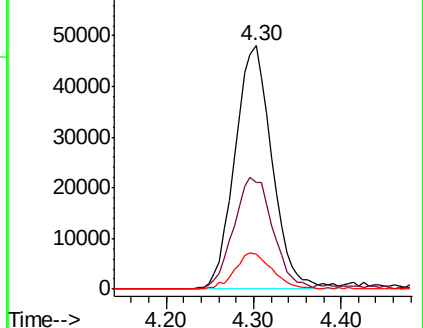
141 15.0 11.6 17.4

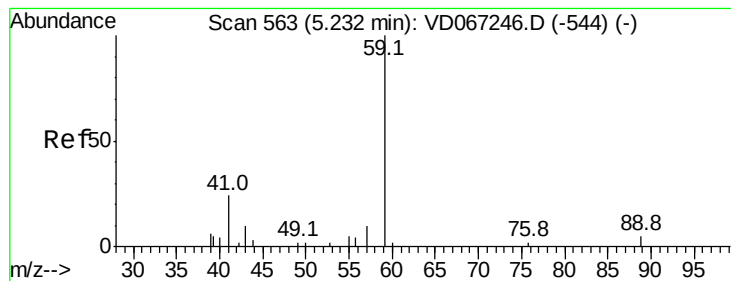


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 228.877 ug/l

RT: 5.23 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

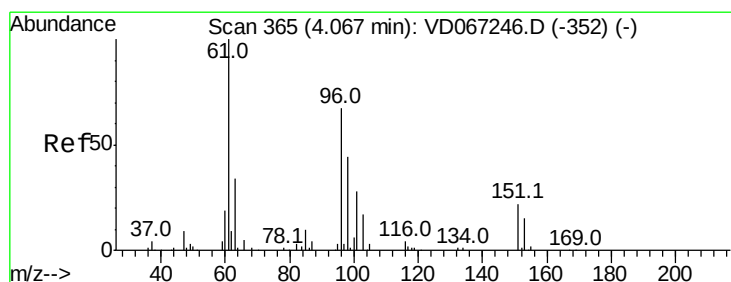
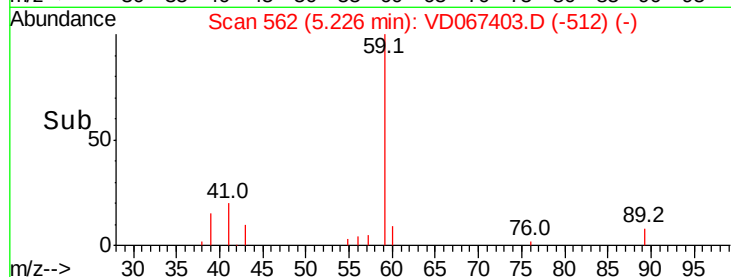
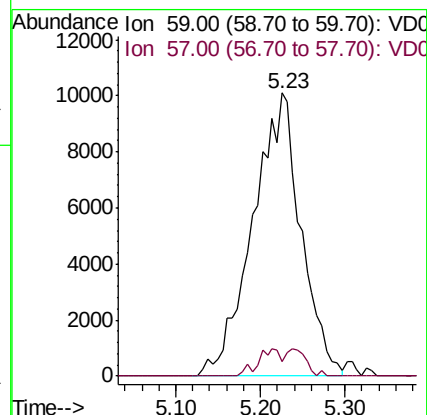
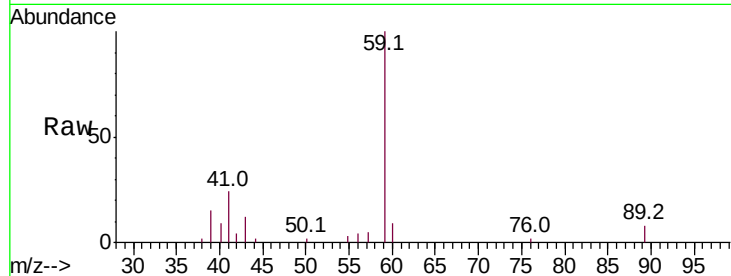
VSTDCCC050

Tot Ion: 59 Resp: 39926

Ion Ratio Lower Upper

59 100

57 3.9 5.1 7.7#



#12

1,1-Dichloroethene

Concen: 48.059 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

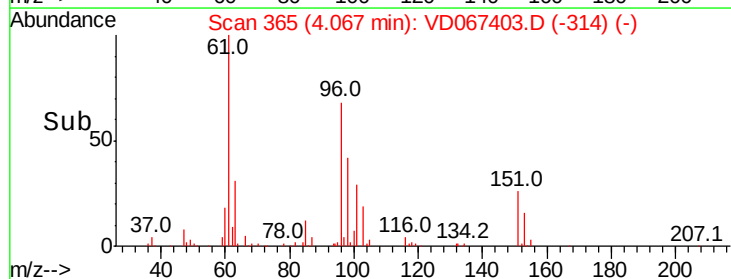
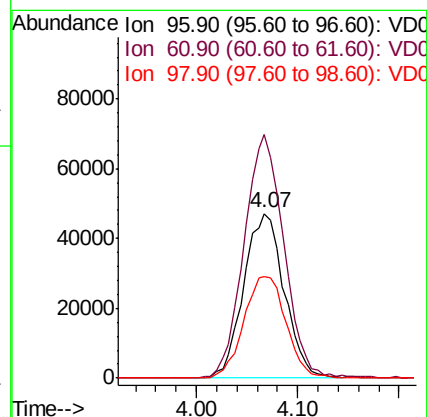
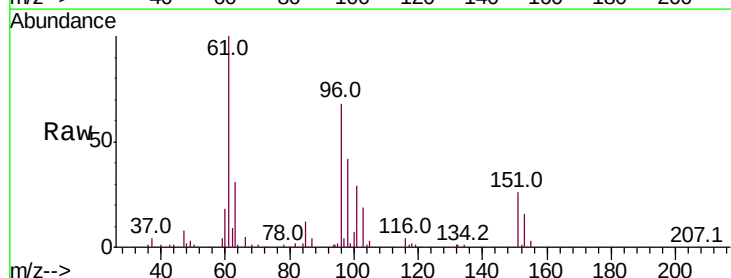
Tgt Ion: 96 Resp: 130640

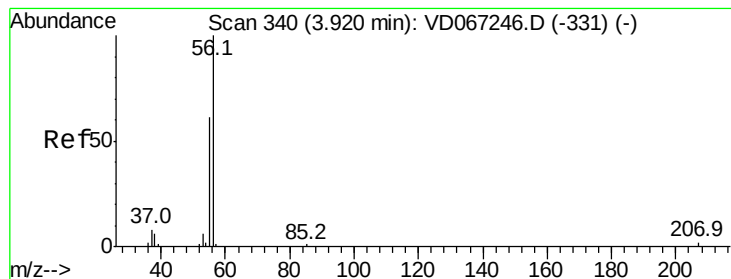
Ion Ratio Lower Upper

96 100

61 147.7 118.6 177.8

98 61.6 51.8 77.6





#13

Acrolein

Concen: 201.386 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

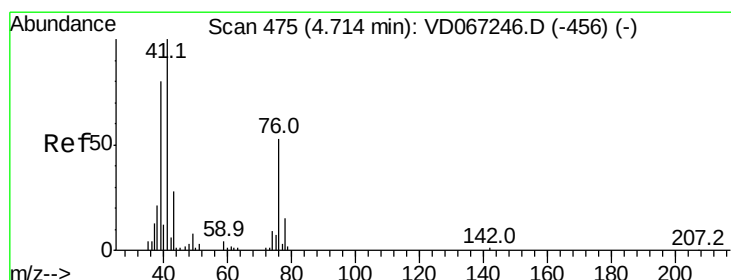
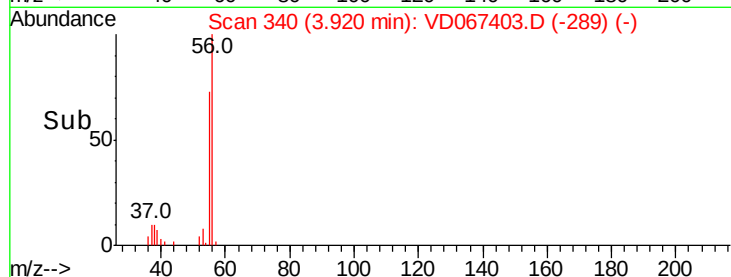
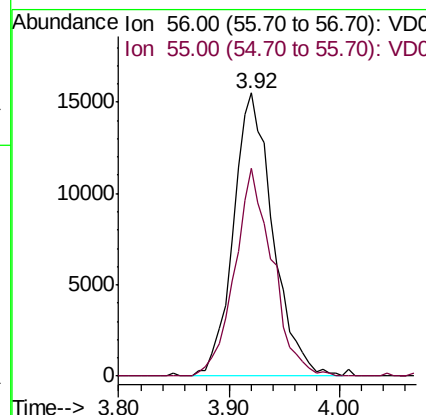
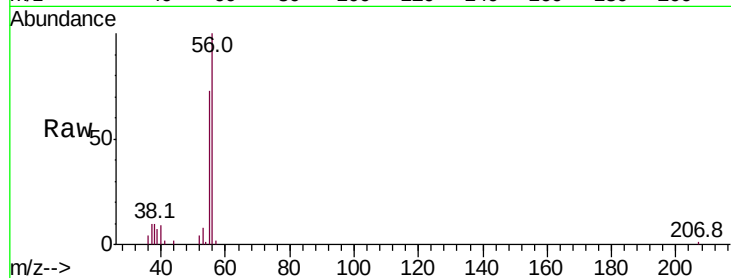
VSTDCCC050

Tot Ion: 56 Resp: 38806

Ion Ratio Lower Upper

56 100

55 70.4 56.0 84.0



#14

Allyl chloride

Concen: 46.588 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

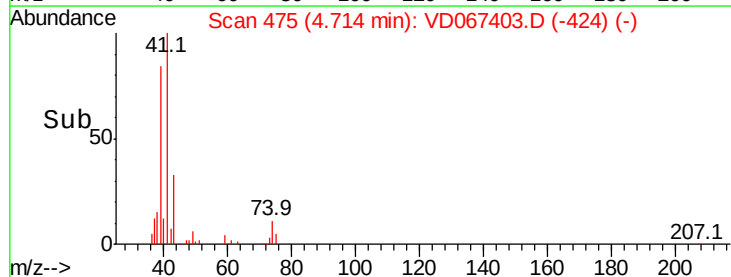
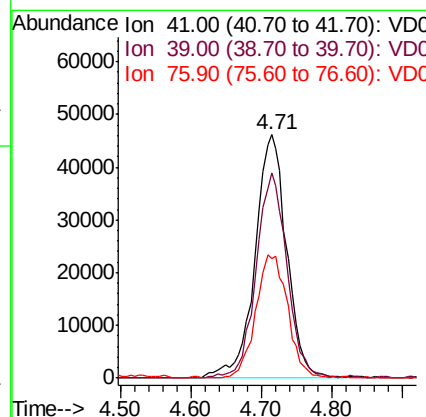
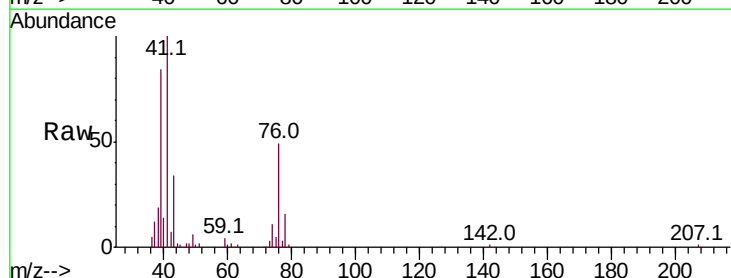
Tgt Ion: 41 Resp: 145027

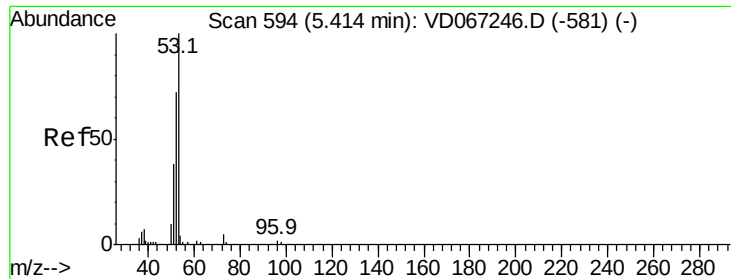
Ion Ratio Lower Upper

41 100

39 80.6 63.8 95.6

76 50.8 40.4 60.6





#15

Acrylonitrile

Concen: 247.809 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

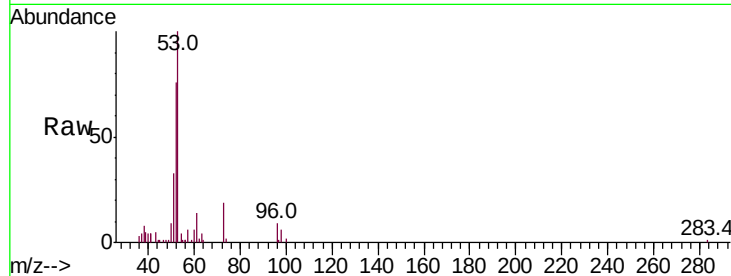
Tot Ion: 53 Resp: 108361

Ion Ratio Lower Upper

53 100

52 79.8 65.6 98.4

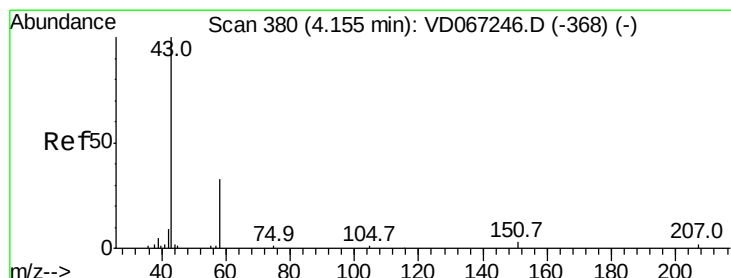
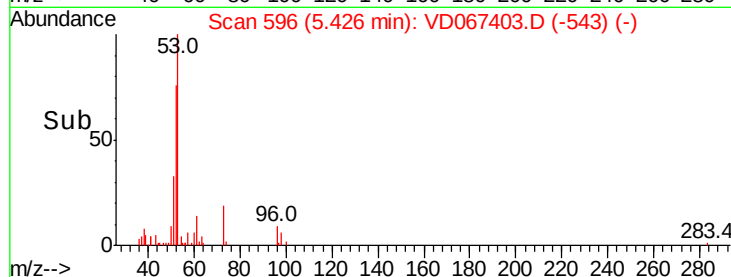
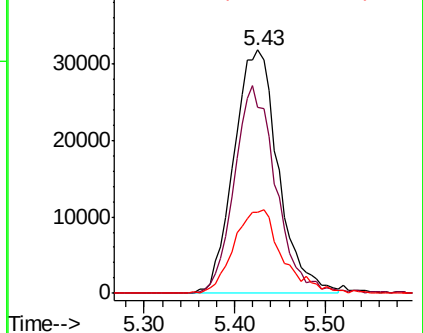
51 37.1 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 264.390 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067403.D

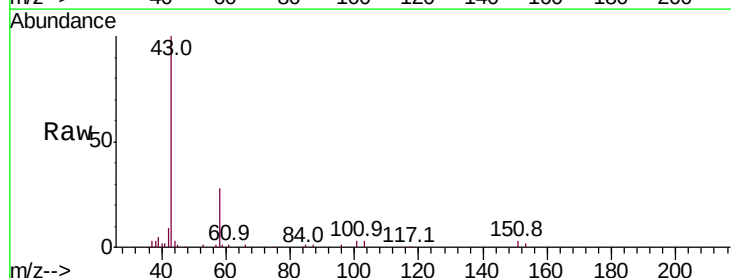
Acq: 27 Oct 2020 11:12

Tgt Ion: 43 Resp: 122182

Ion Ratio Lower Upper

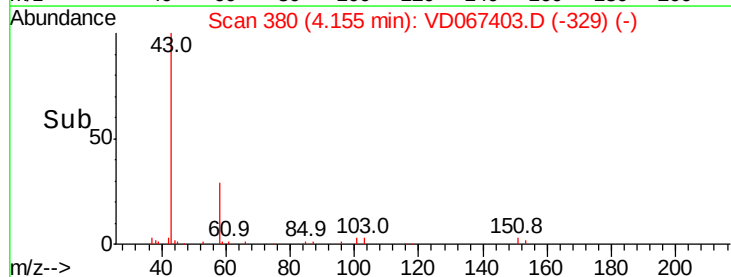
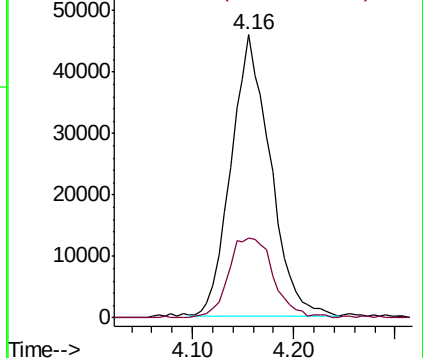
43 100

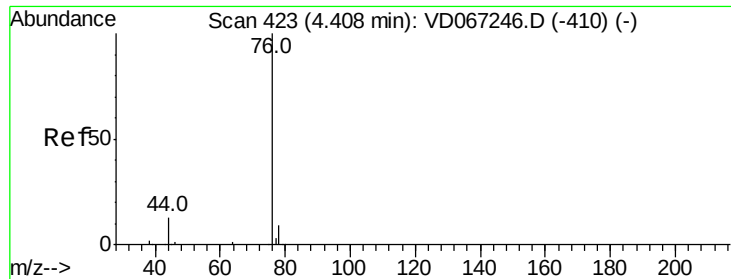
58 28.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

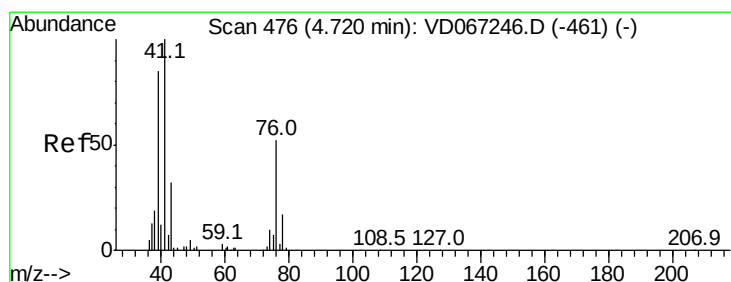
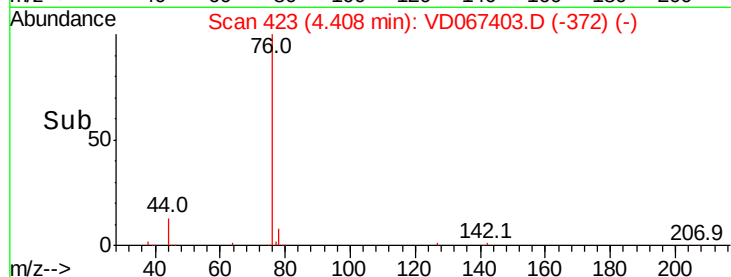
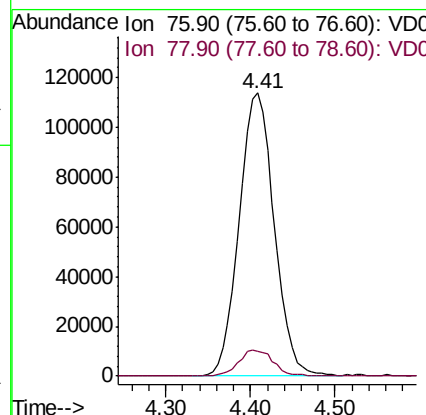
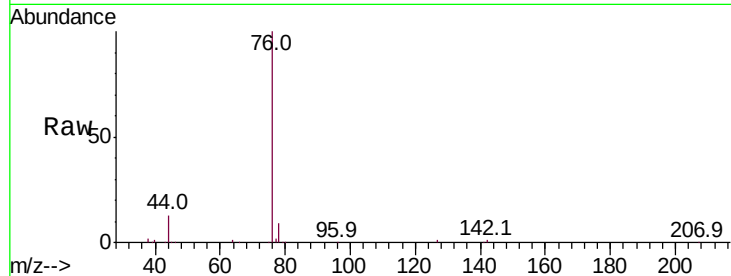




#17
Carbon Disulfide
Concen: 42.265 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

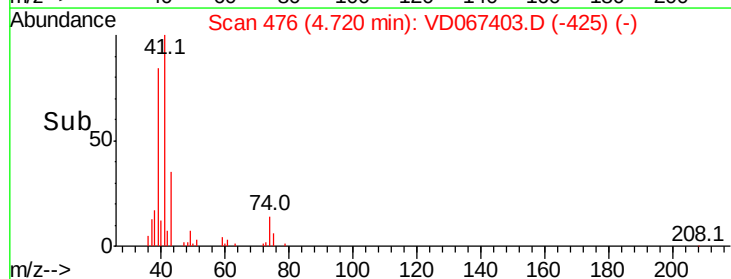
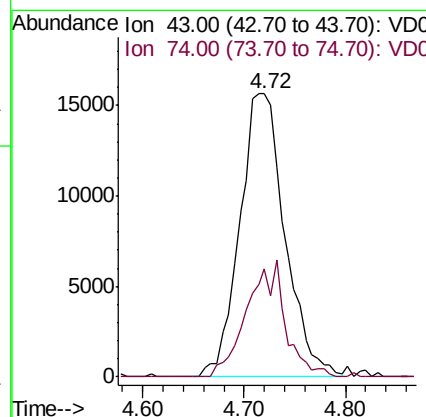
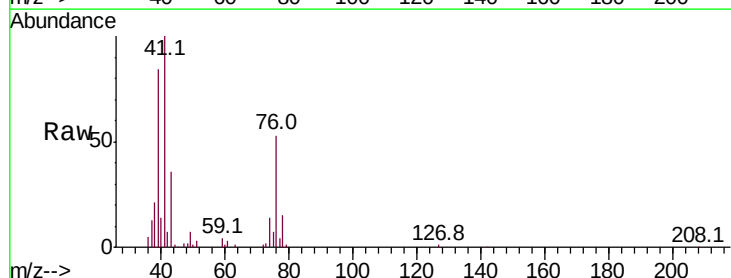
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

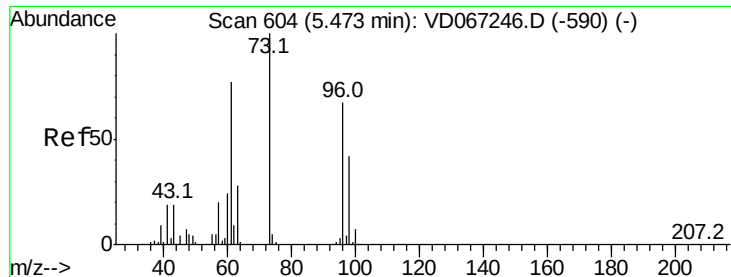
Tot Ion: 76 Resp: 327525
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 46.036 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 43 Resp: 48524
Ion Ratio Lower Upper
43 100
74 34.9 26.6 39.8

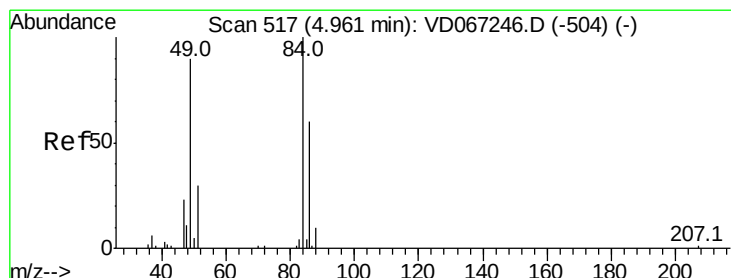
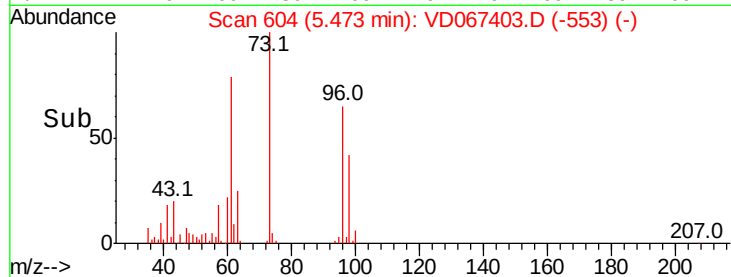
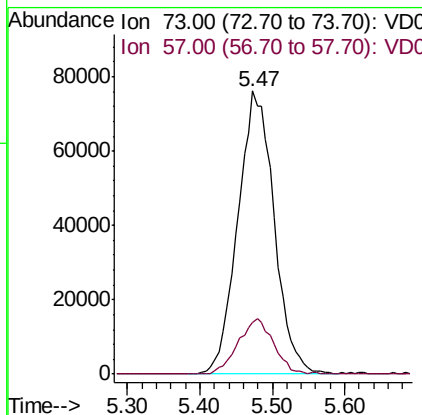
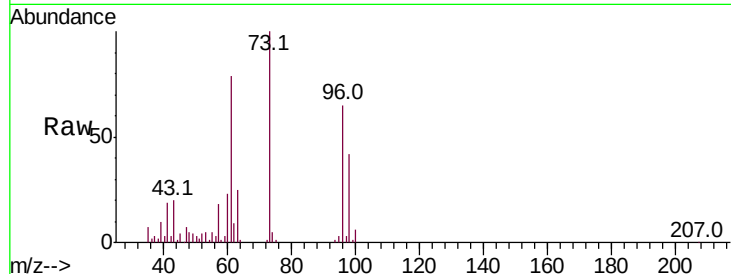




#19
Methyl tert-butyl Ether
Concen: 48.995 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

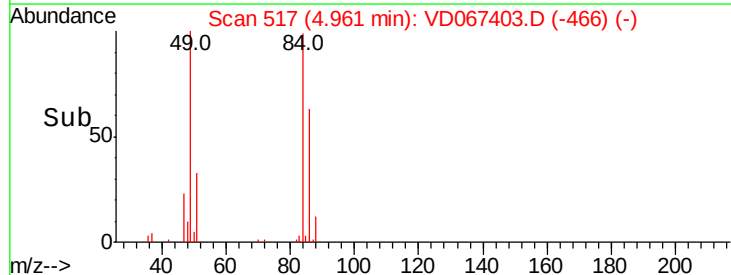
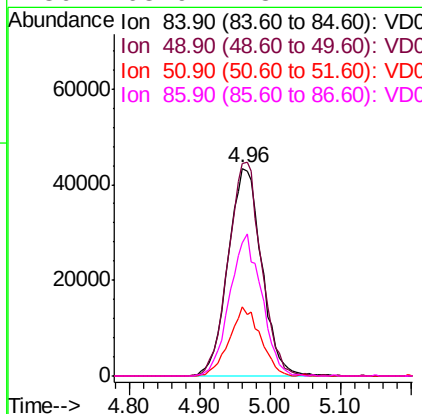
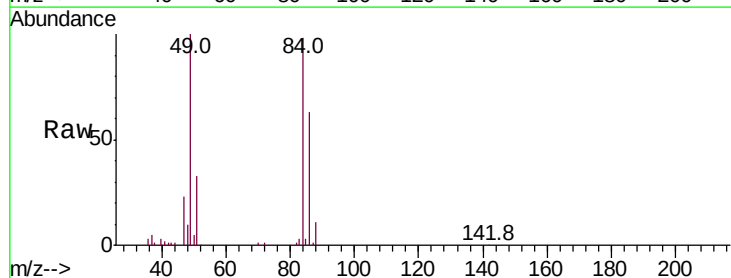
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

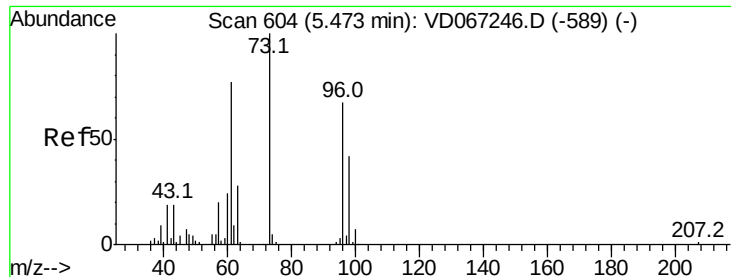
Tot Ion: 73 Resp: 264824
Ion Ratio Lower Upper
73 100
57 18.5 15.7 23.5



#20
Methylene Chloride
Concen: 48.276 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 84 Resp: 143364
Ion Ratio Lower Upper
84 100
49 102.2 72.2 108.2
51 33.4 23.8 35.8
86 63.9 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 48.143 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

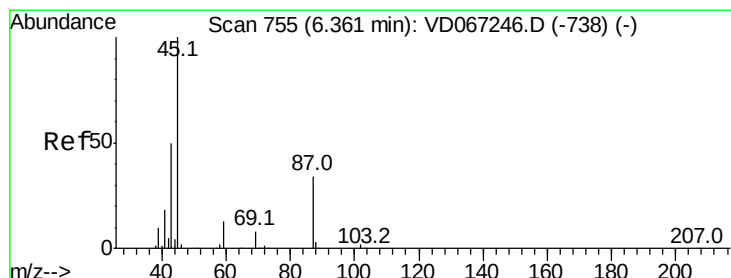
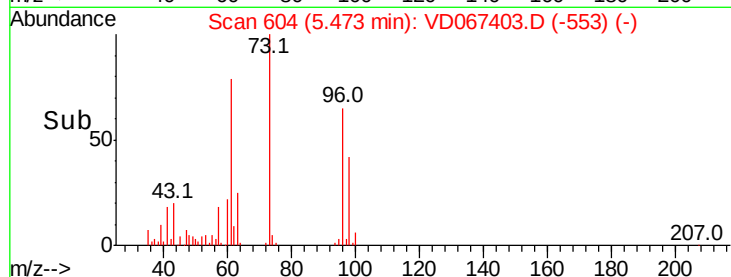
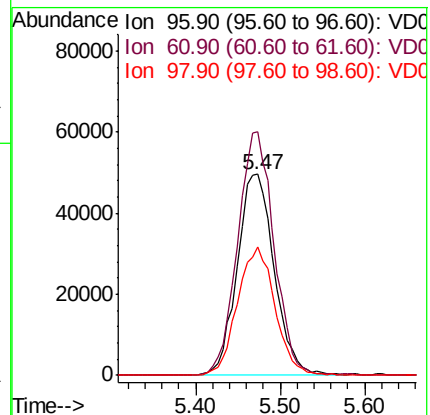
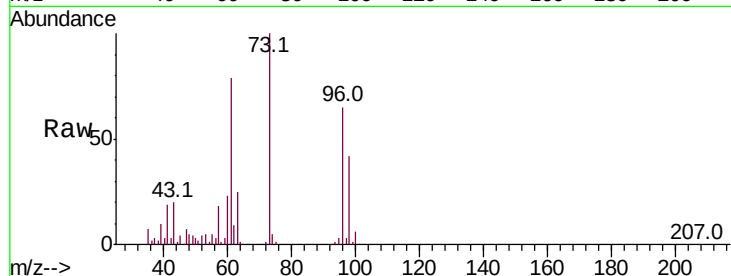
Tot Ion: 96 Resp: 150598

Ion Ratio Lower Upper

96 100

61 121.1 92.0 138.0

98 63.7 49.8 74.8



#22

Diisopropyl ether

Concen: 49.297 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Tgt Ion: 45 Resp: 280332

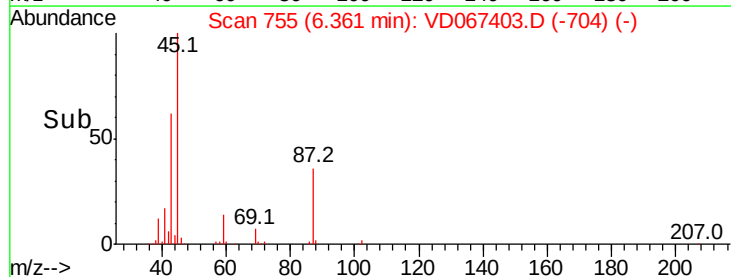
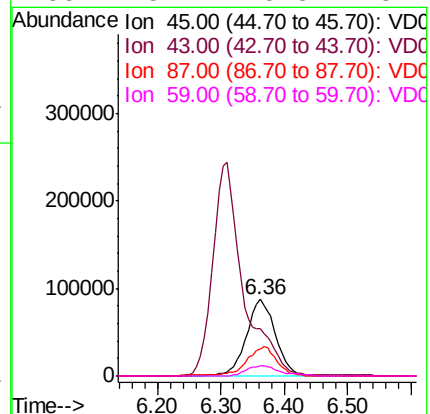
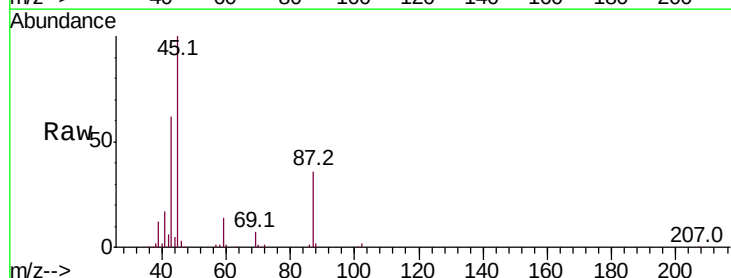
Ion Ratio Lower Upper

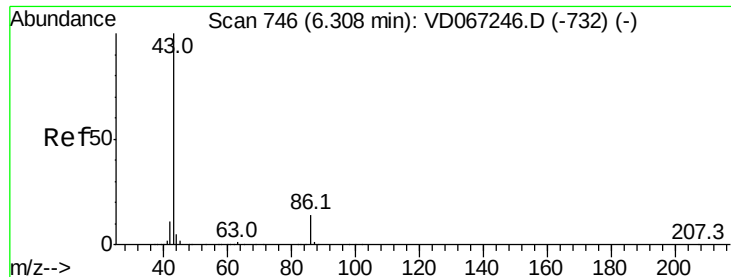
45 100

43 60.4 48.0 72.0

87 35.8 28.5 42.7

59 13.2 10.5 15.7





#23

Vinyl Acetate

Concen: 255.217 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

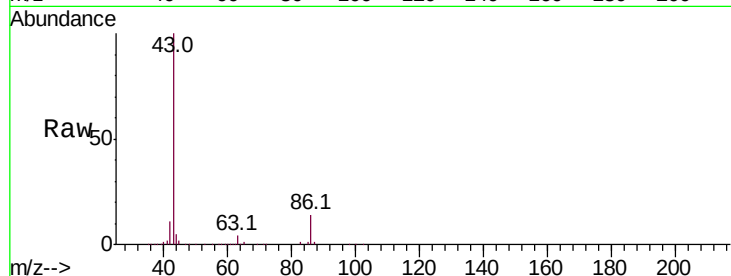
VSTDCCC050

Tot Ion: 43 Resp: 825691

Ion Ratio Lower Upper

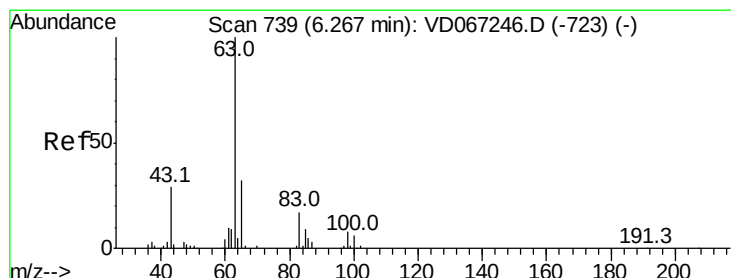
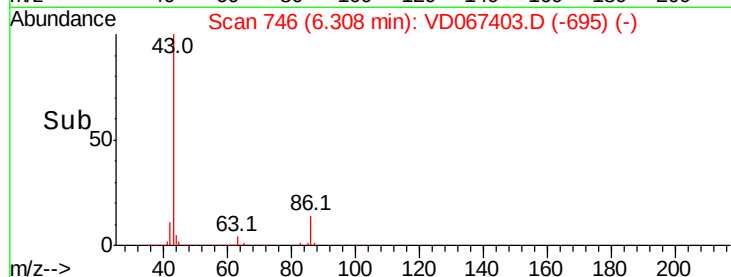
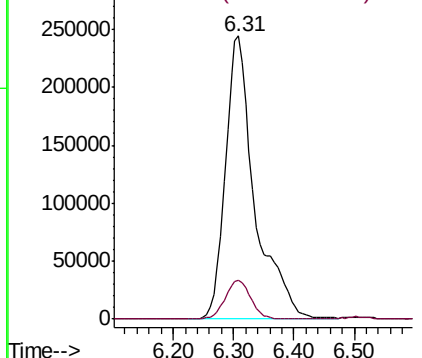
43 100

86 13.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.858 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

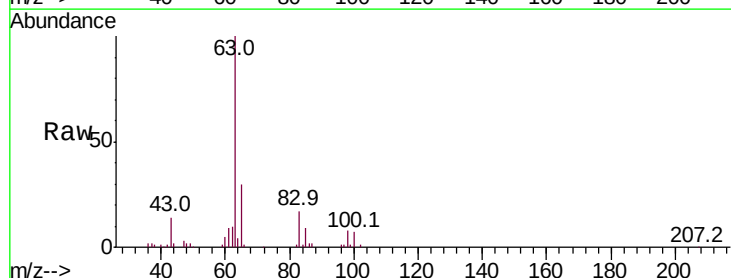
Tgt Ion: 63 Resp: 237832

Ion Ratio Lower Upper

63 100

98 7.5 4.0 12.2

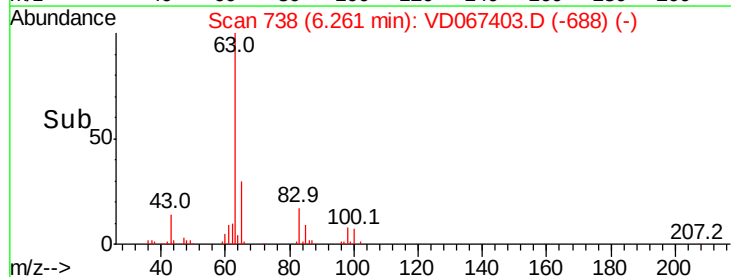
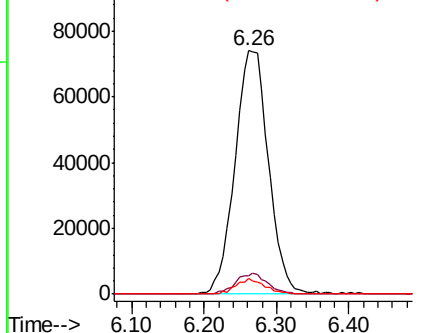
100 6.5 2.8 8.4

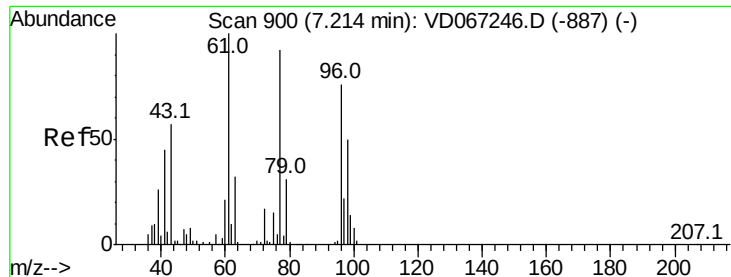


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

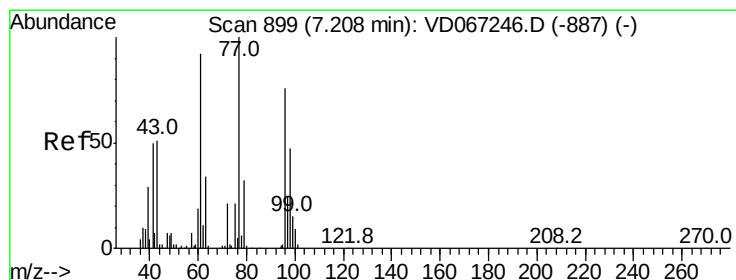
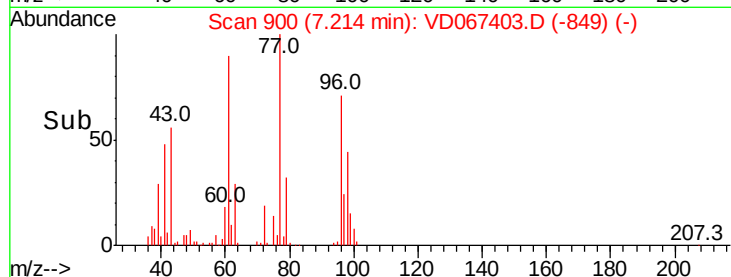
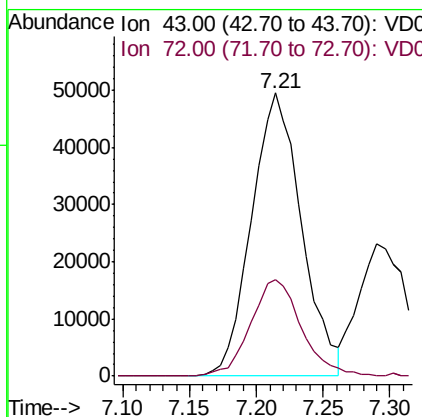
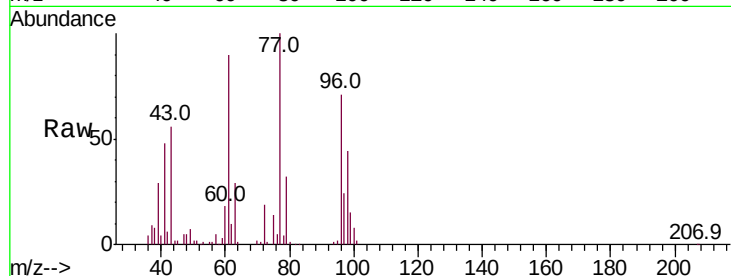




#25
2-Butanone
Concen: 244.419 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

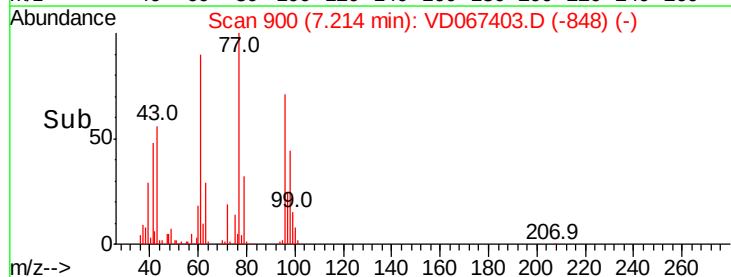
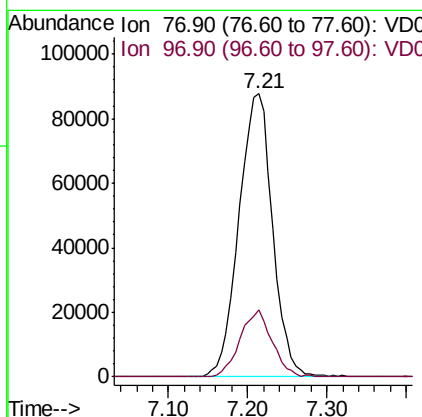
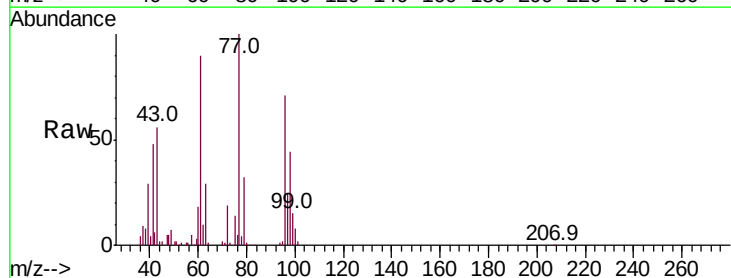
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

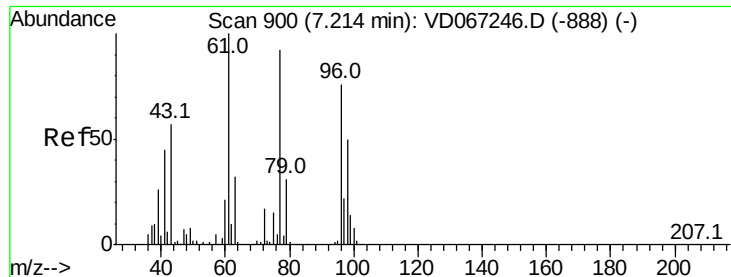
Tot Ion: 43 Resp: 128755
Ion Ratio Lower Upper
43 100
72 34.1 23.7 35.5



#26
2,2-Dichloropropane
Concen: 51.450 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 77 Resp: 258146
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.2



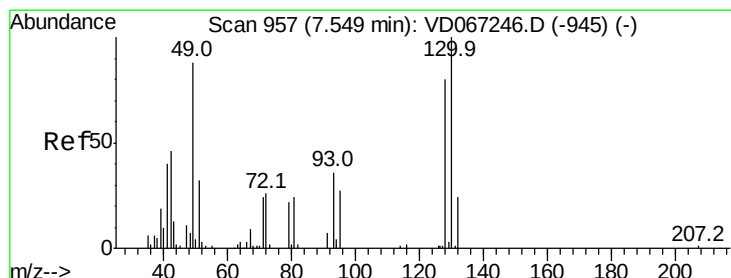
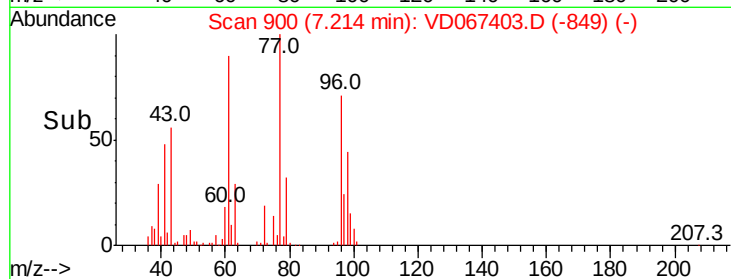
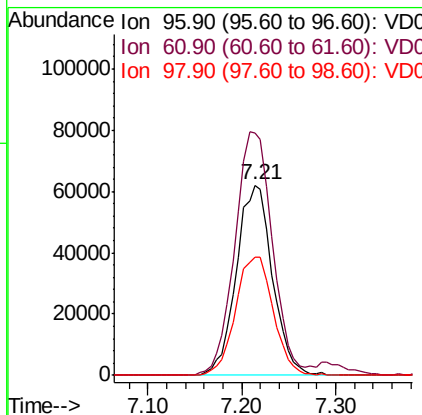
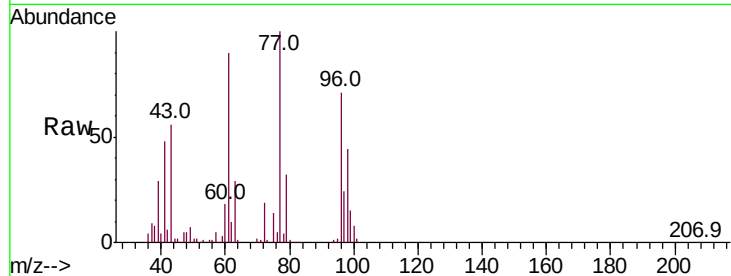


#27

cis-1,2-Dichloroethene
 Concen: 48.081 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

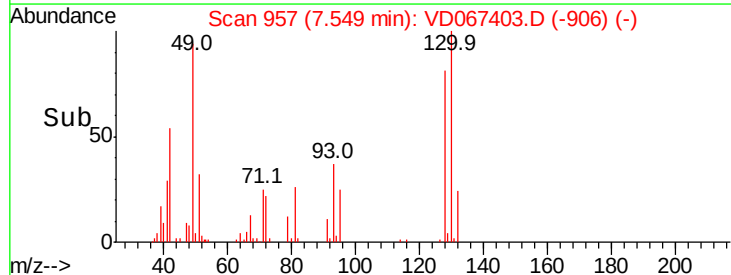
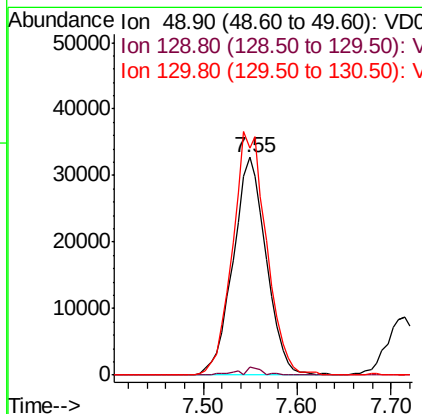
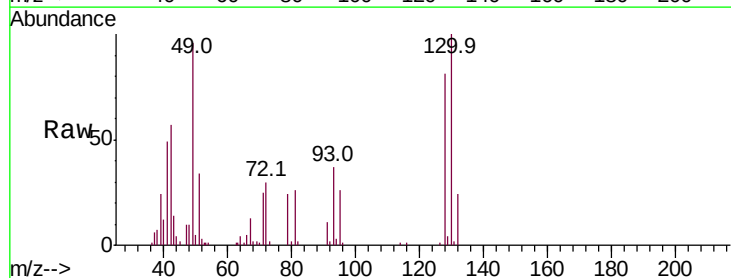
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	255.4
98	65.1	0.0	128.0

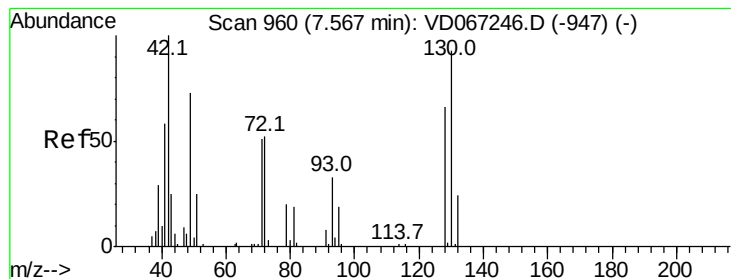


#28

Bromochloromethane
 Concen: 48.167 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	1.6#
130	114.3	91.0	136.6





#29

Tetrahydrofuran

Concen: 237.209 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

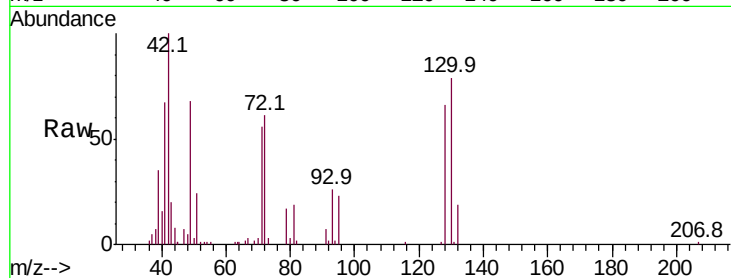
Tot Ion: 42 Resp: 69461

Ion Ratio Lower Upper

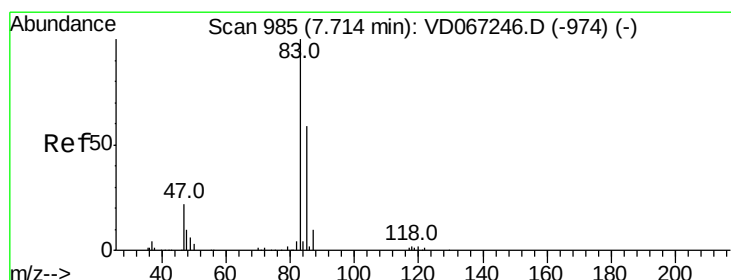
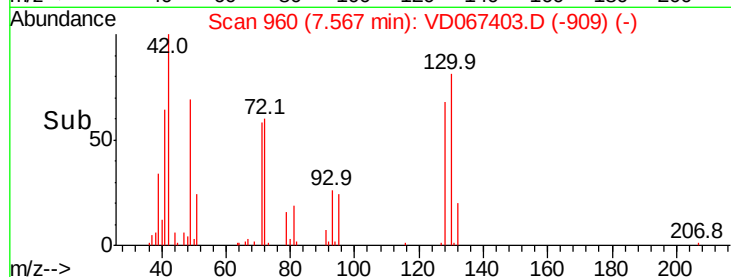
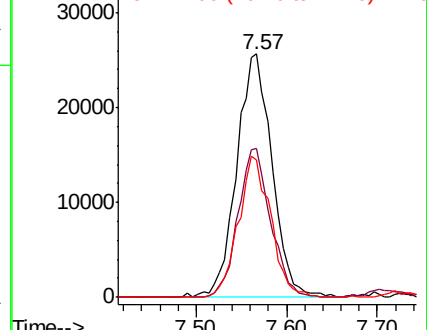
42 100

72 56.7 43.2 64.8

71 53.3 39.4 59.0



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: 49.978 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD067403.D

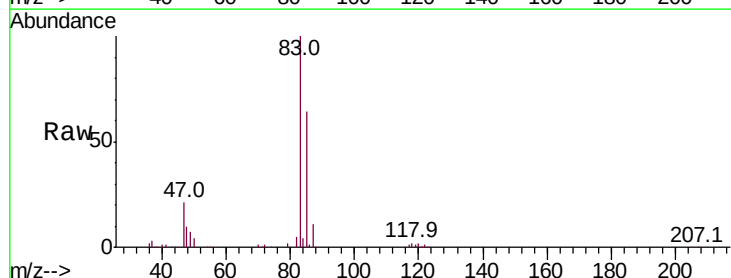
Acq: 27 Oct 2020 11:12

Tgt Ion: 83 Resp: 290627

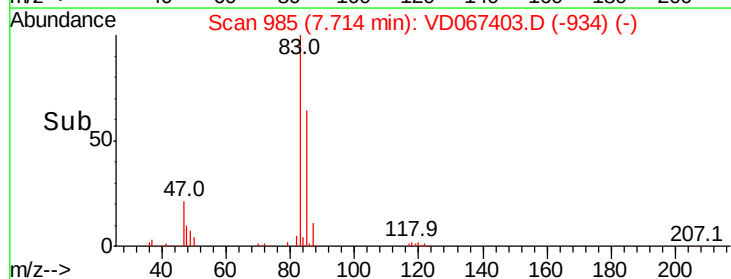
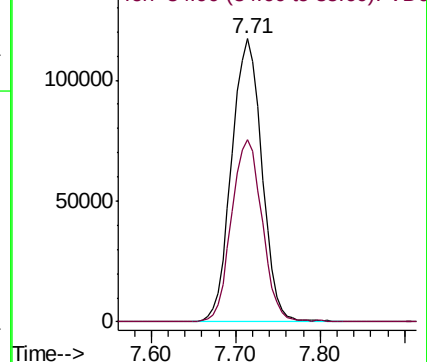
Ion Ratio Lower Upper

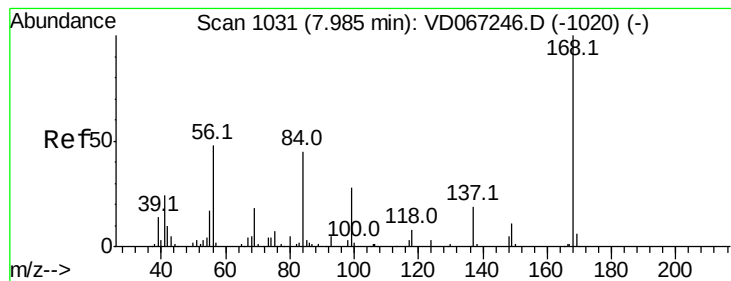
83 100

85 64.2 47.3 70.9



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





#31

Cyclohexane

Concen: 45.410 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

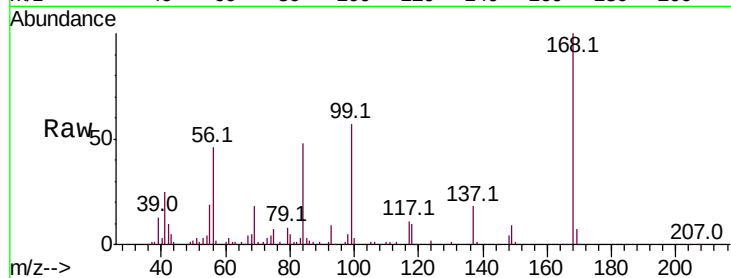
Tot Ion: 56 Resp: 172585

Ion Ratio Lower Upper

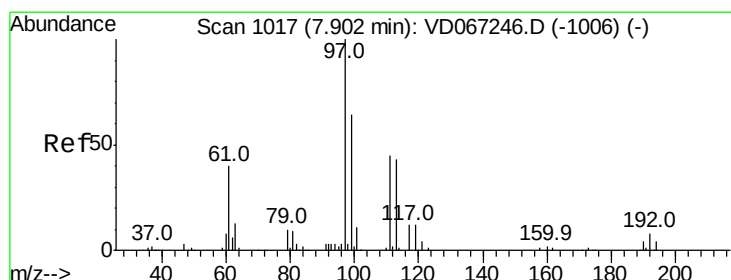
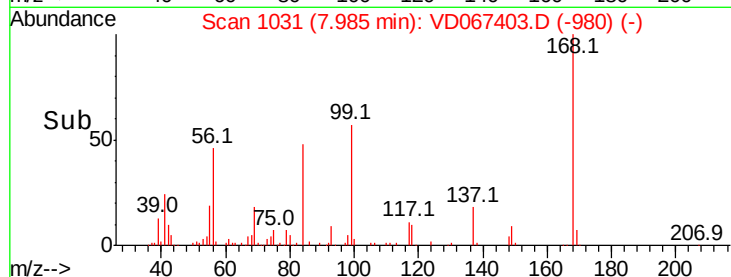
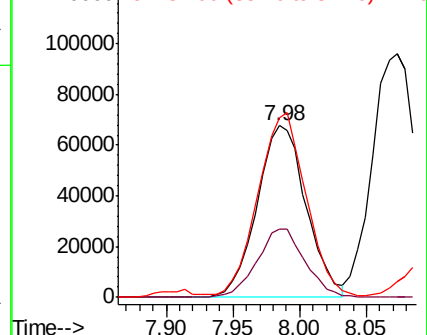
56 100

69 39.6 29.8 44.6

84 103.3 76.6 114.8



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



#32

1,1,1-Trichloroethane

Concen: 50.066 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

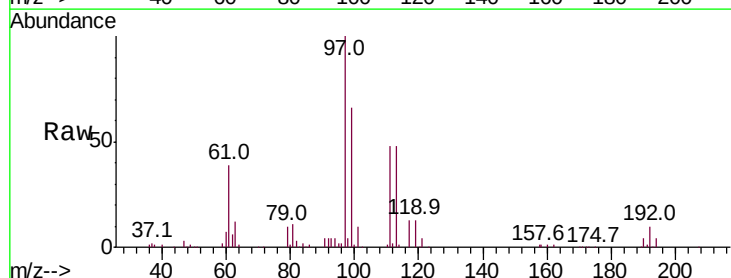
Tgt Ion: 97 Resp: 285654

Ion Ratio Lower Upper

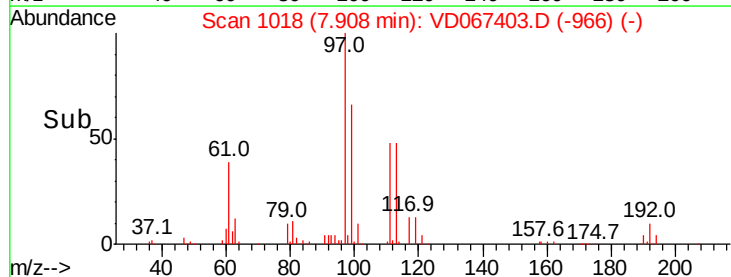
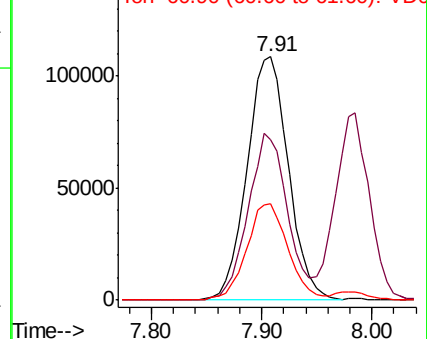
97 100

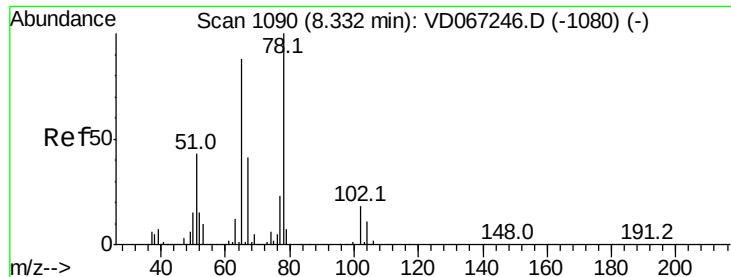
99 64.9 50.2 75.4

61 39.4 30.5 45.7



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

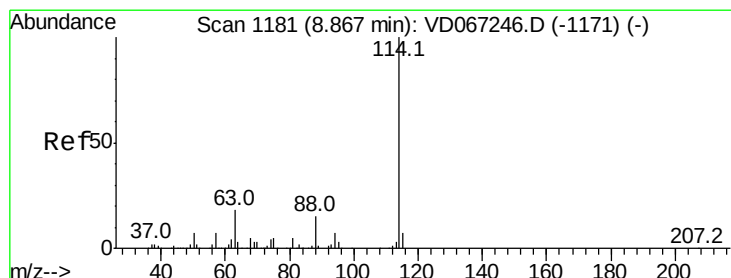
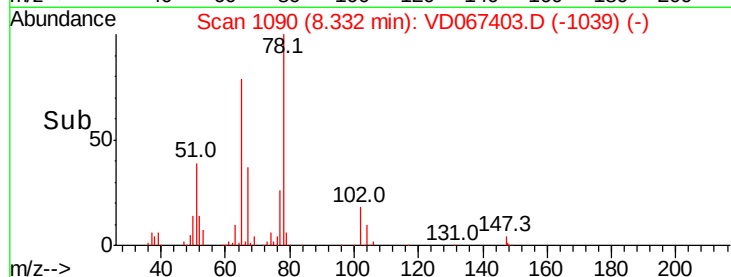
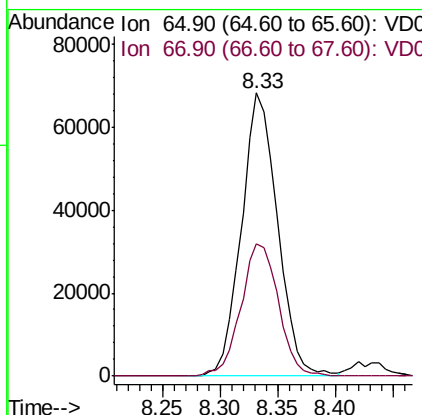
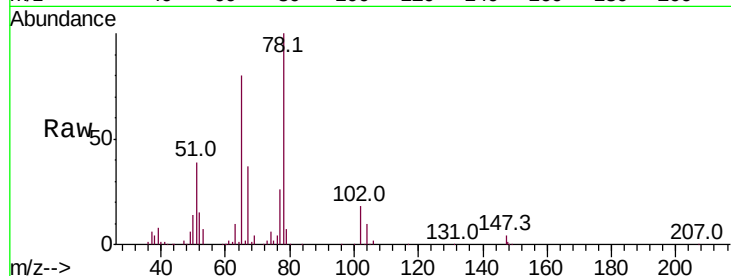




#33
 1,2-Dichloroethane-d4
 Concen: 44.981 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

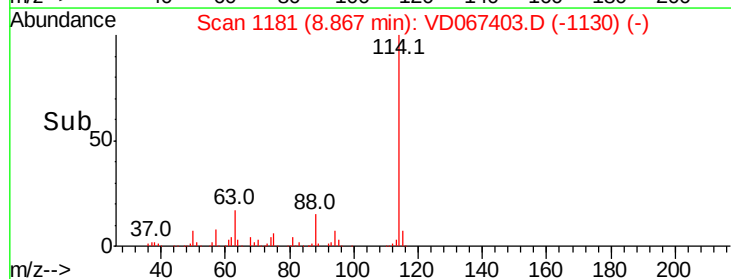
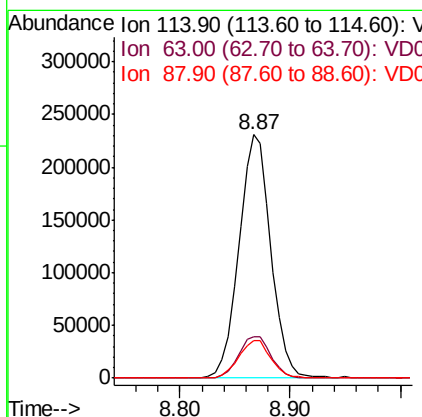
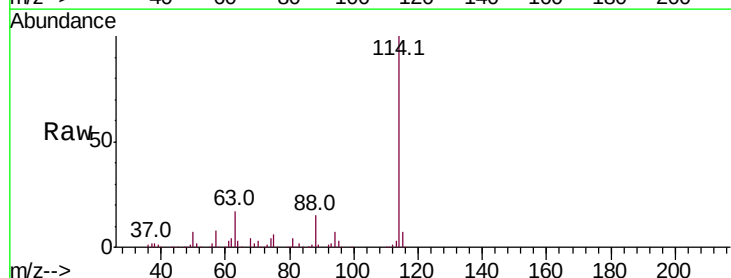
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

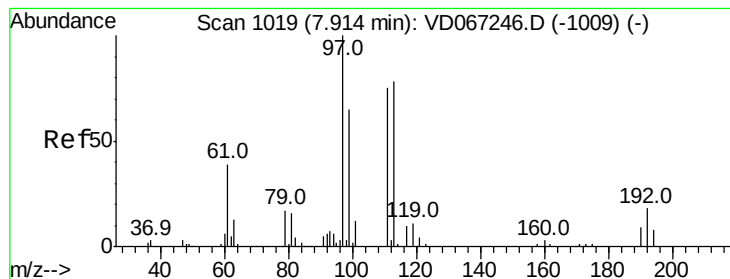
Tot Ion: 65 Resp: 148424
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion: 114 Resp: 465900
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 35.0
 88 15.4 0.0 30.6

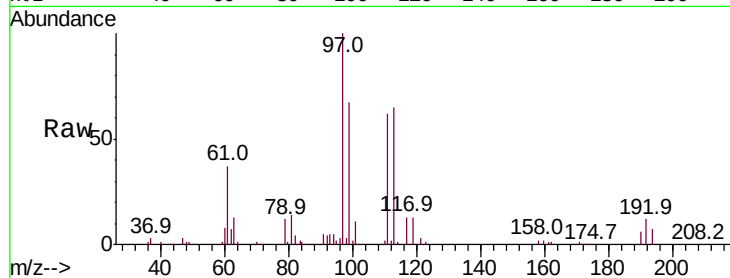




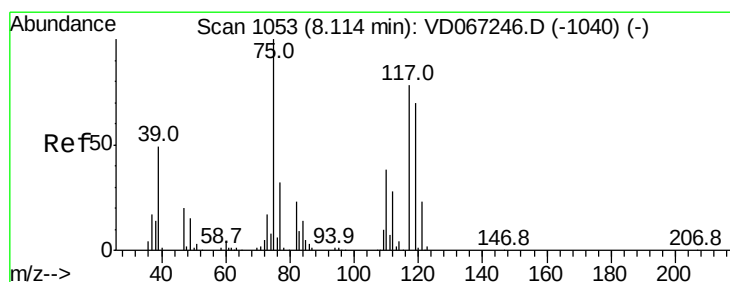
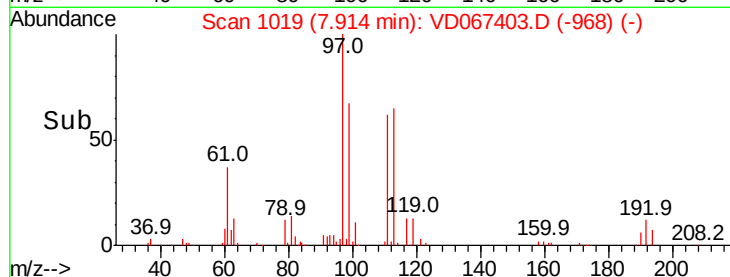
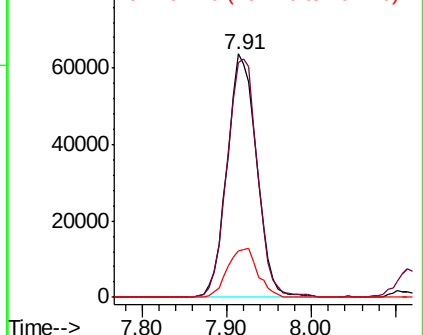
#35
 Dibromofluoromethane
 Concen: 49.537 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 153593
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.6 122.4
 192 20.7 17.0 25.4

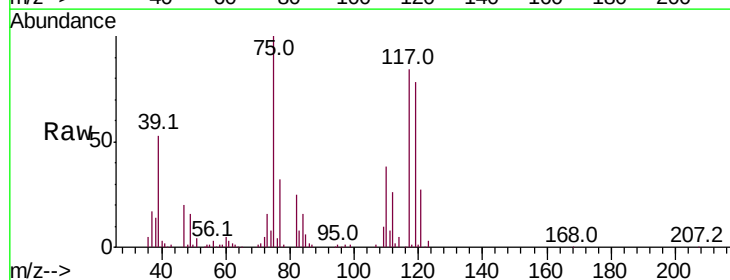


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

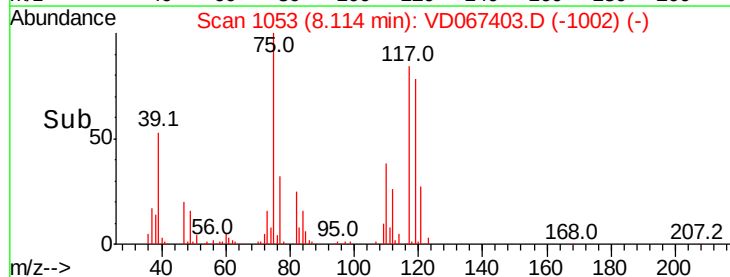
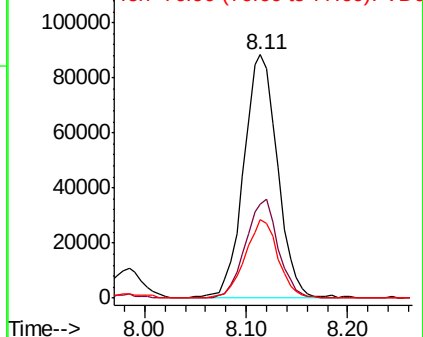


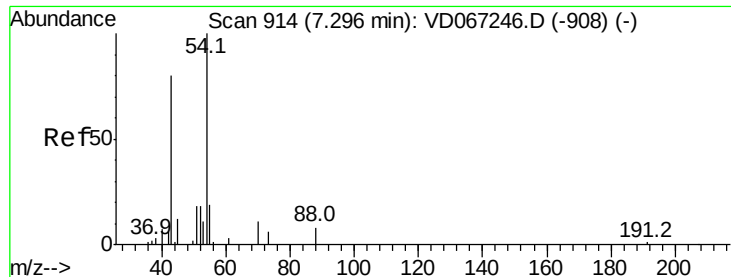
#36
 1,1-Dichloropropene
 Concen: 51.811 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion: 75 Resp: 204594
 Ion Ratio Lower Upper
 75 100
 110 39.1 19.6 58.7
 77 31.3 24.6 37.0



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





#37

Ethyl Acetate

Concen: 51.330 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

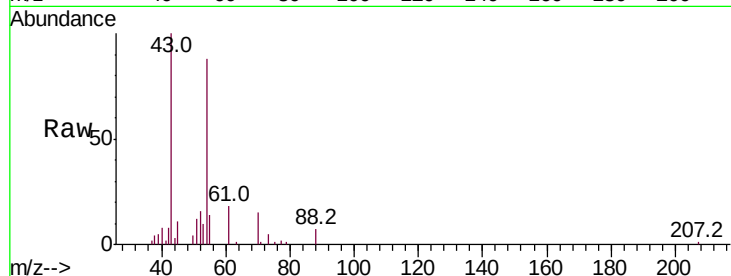
Tot Ion: 43 Resp: 59636

Ion Ratio Lower Upper

43 100

61 15.2 15.6 23.4#

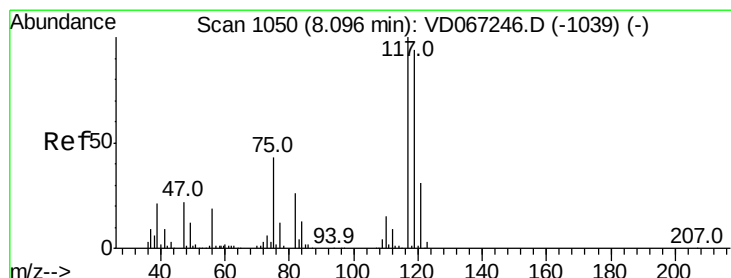
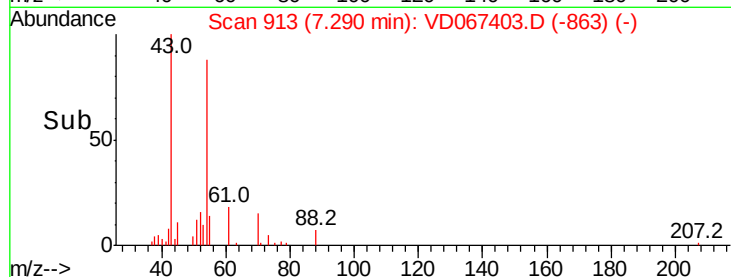
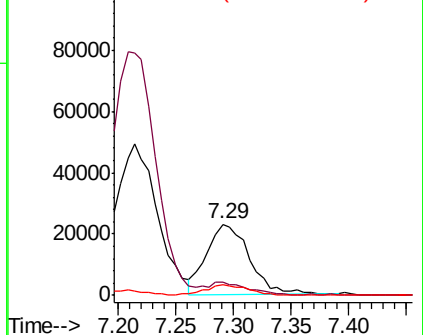
70 15.0 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 53.422 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

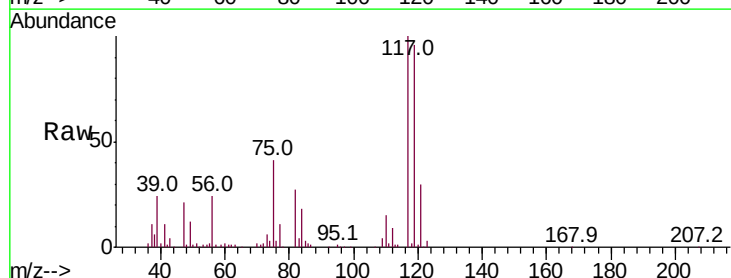
Tgt Ion: 117 Resp: 269618

Ion Ratio Lower Upper

117 100

119 96.1 75.0 112.4

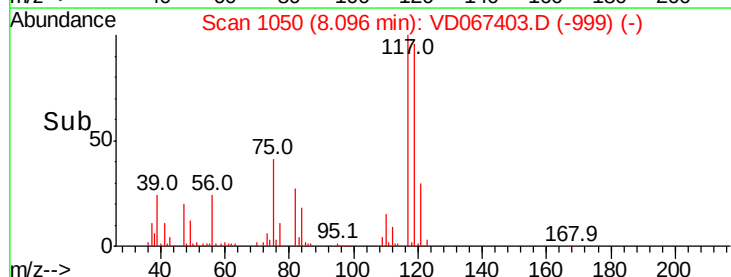
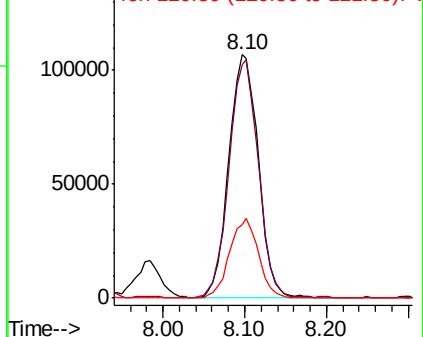
121 29.9 24.9 37.3

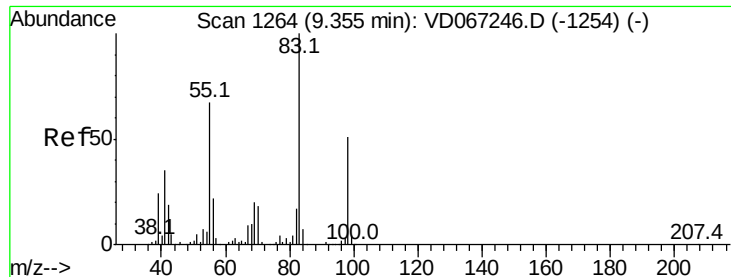


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

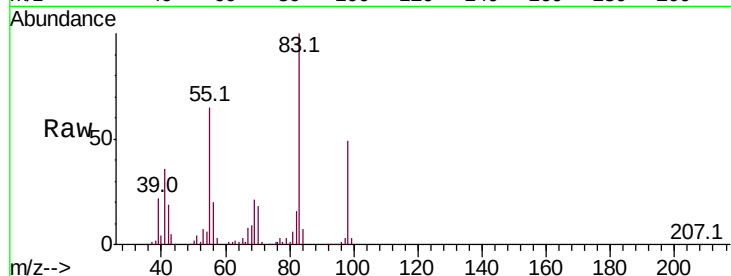




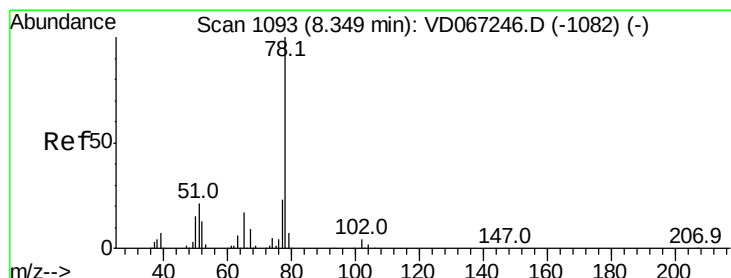
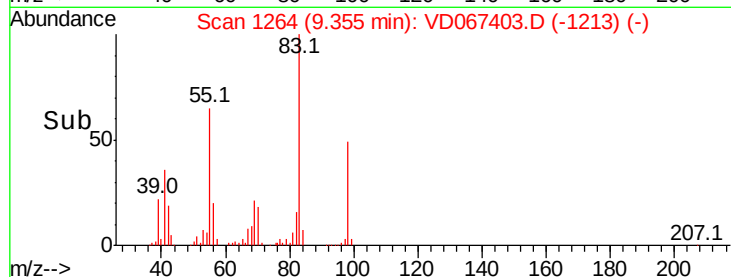
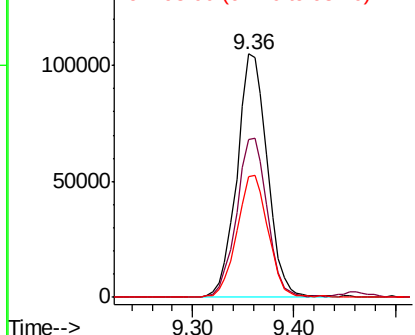
#39
Methylvlcyclohexane
Concen: 52.759 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 217800
Ion Ratio Lower Upper
83 100
55 64.8 53.3 79.9
98 49.5 41.0 61.4

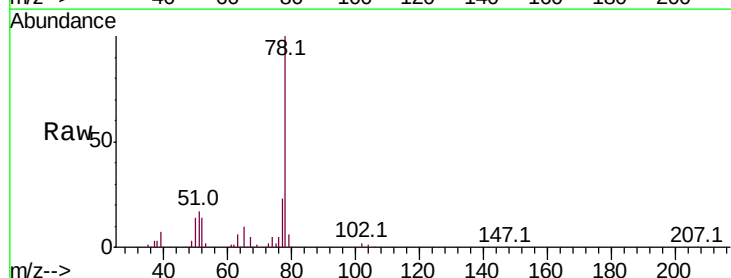


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

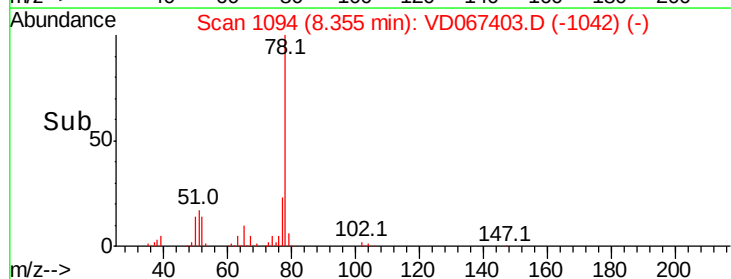
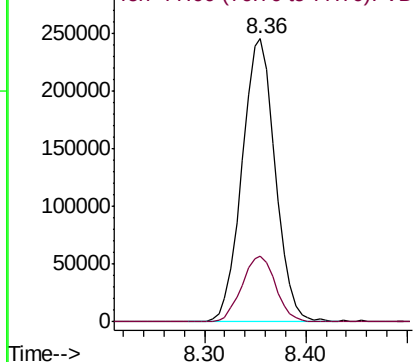


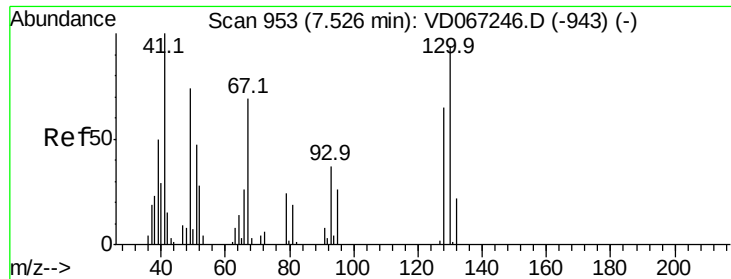
#40
Benzene
Concen: 51.436 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 78 Resp: 557219
Ion Ratio Lower Upper
78 100
77 23.1 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

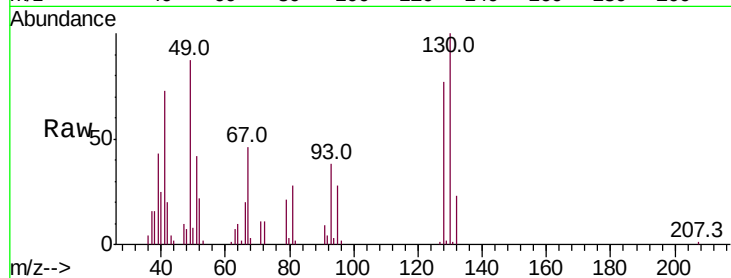




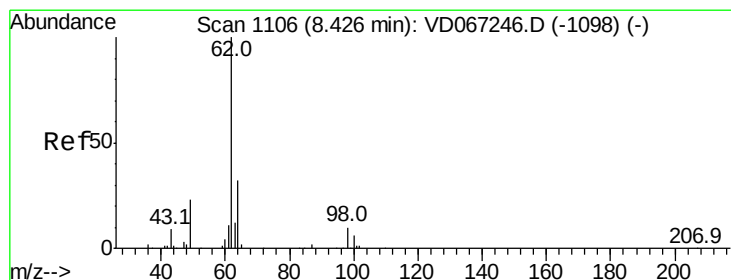
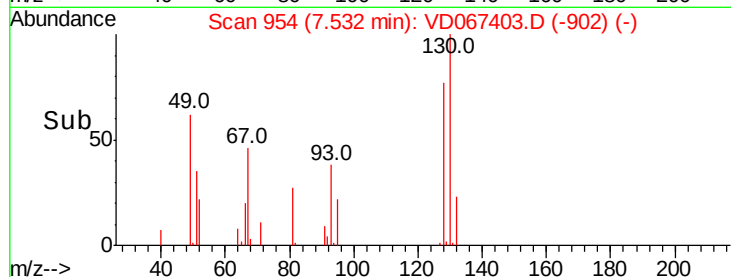
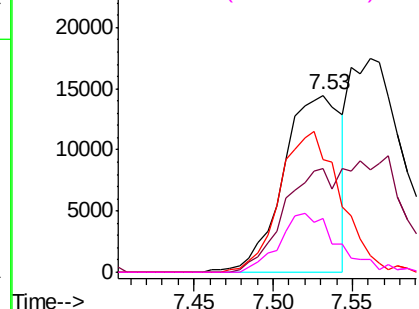
#41
Methacrylonitrile
Concen: 58.511 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 36735
Ion Ratio Lower Upper
41 100
39 49.8 60.0 90.0#
67 84.0 88.9 133.3#
52 33.9 36.9 55.3#

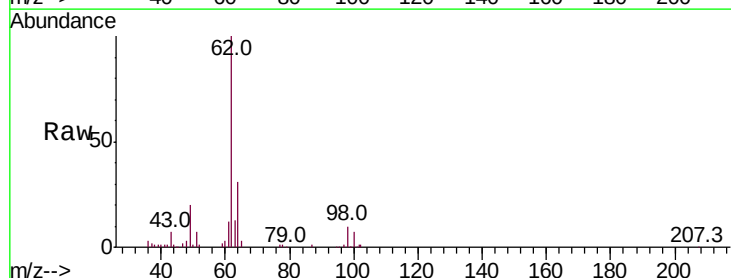


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

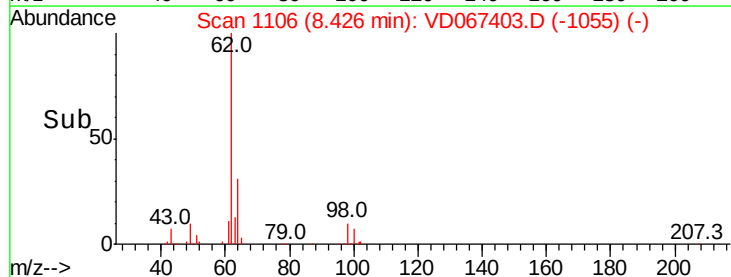
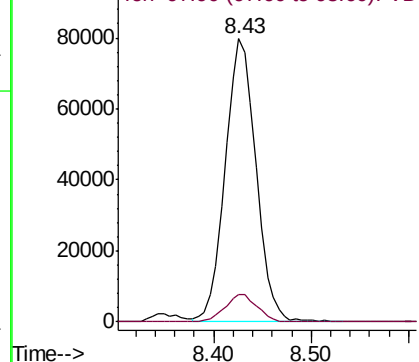


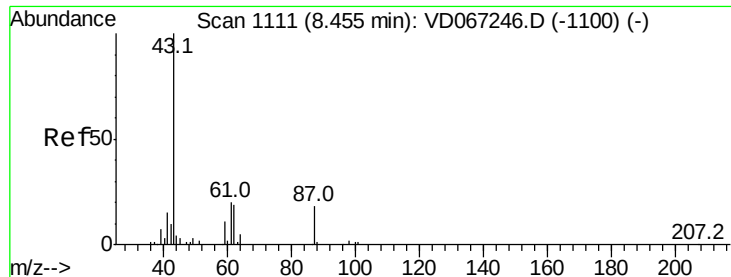
#42
1,2-Dichloroethane
Concen: 51.523 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 62 Resp: 174672
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 50.464 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

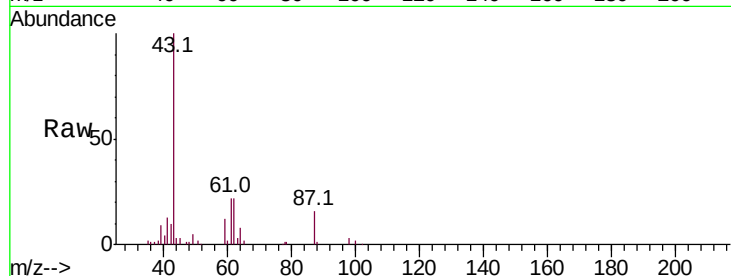
Tot Ion: 43 Resp: 116337

Ion Ratio Lower Upper

43 100

61 36.6 29.5 44.3

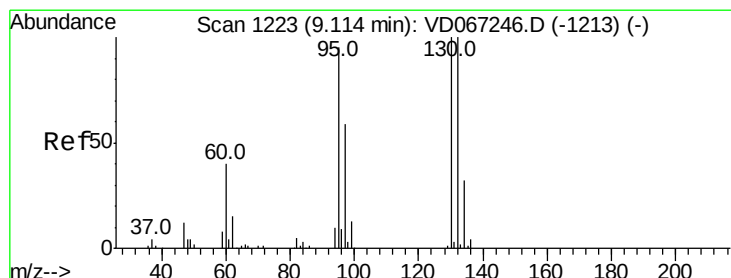
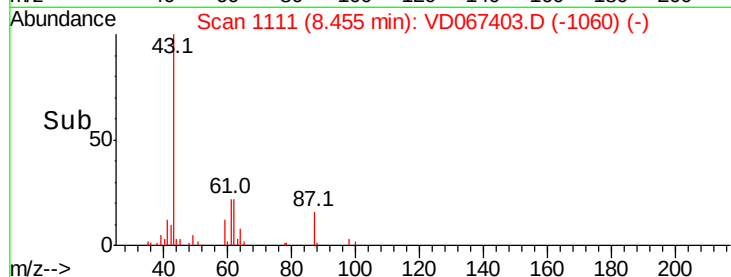
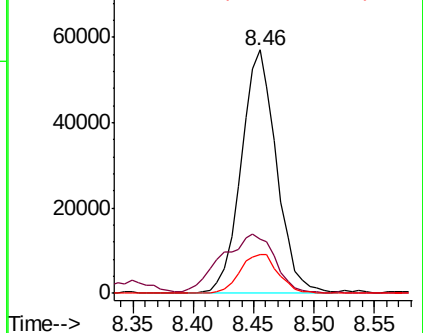
87 17.2 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.645 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD067403.D

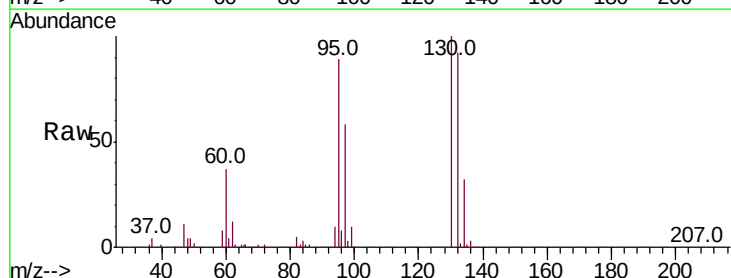
Acq: 27 Oct 2020 11:12

Tgt Ion:130 Resp: 182599

Ion Ratio Lower Upper

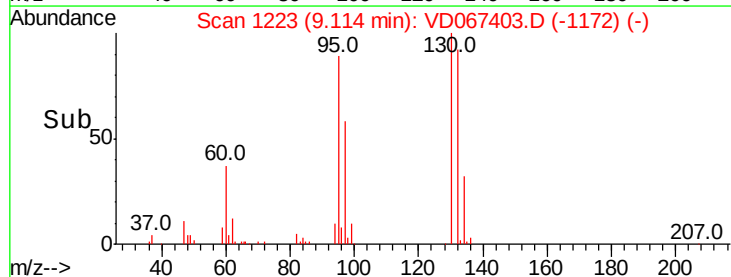
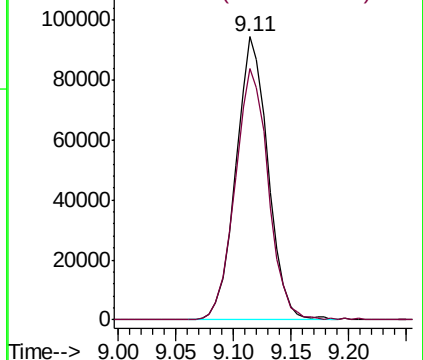
130 100

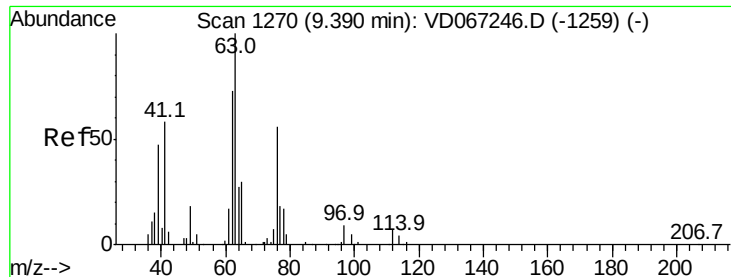
95 89.0 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

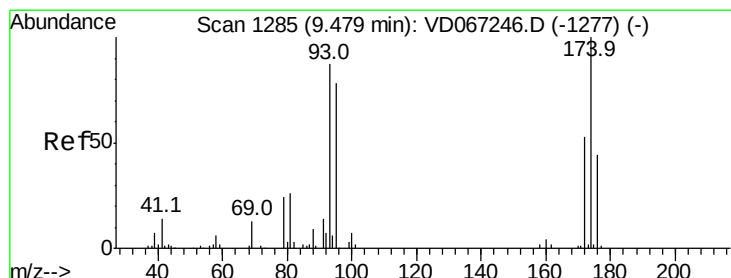
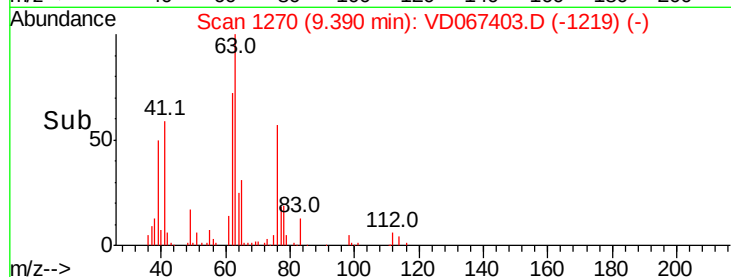
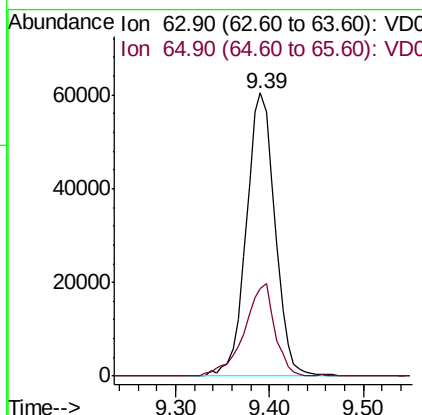
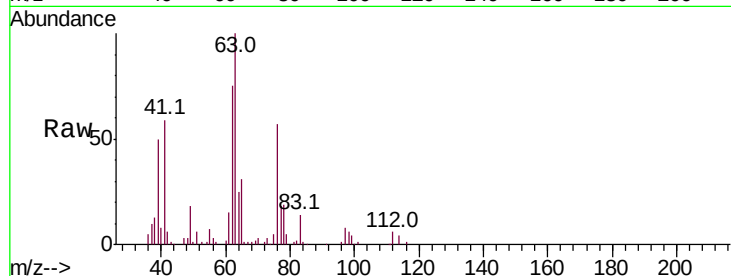




#45
 1,2-Dichloropropane
 Concen: 50.888 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

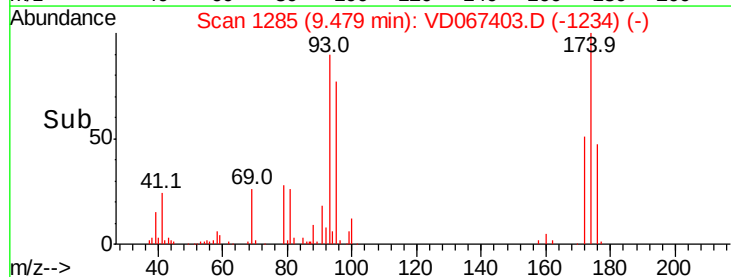
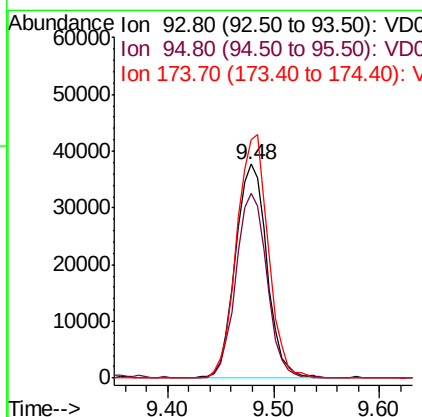
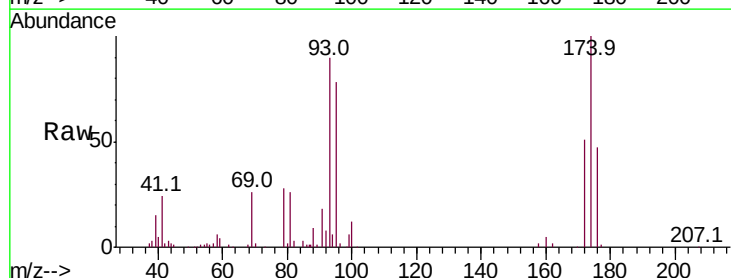
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

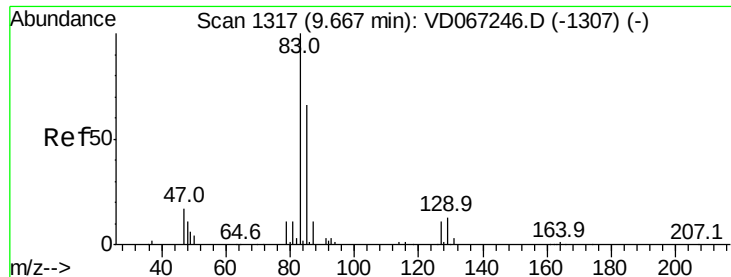
Tot Ion: 63 Resp: 127763
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 36.8



#46
 Dibromomethane
 Concen: 49.745 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion: 93 Resp: 77814
 Ion Ratio Lower Upper
 93 100
 95 85.2 68.0 102.0
 174 113.7 91.8 137.6





#47

Bromodichloromethane

Concen: 52.238 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

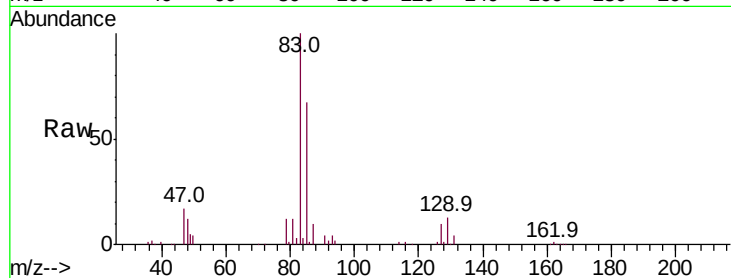
Tot Ion: 83 Resp: 218929

Ion Ratio Lower Upper

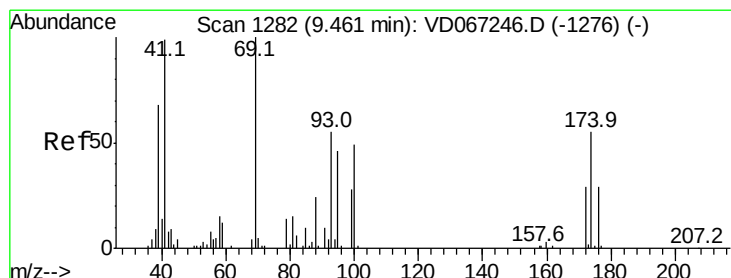
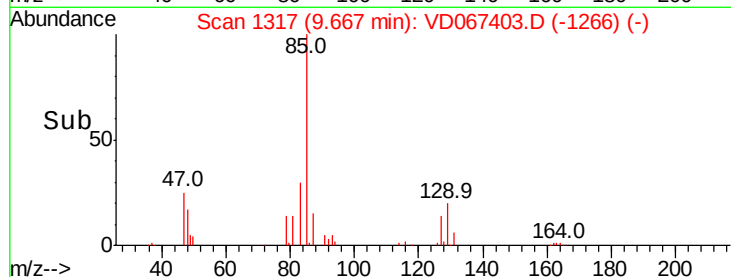
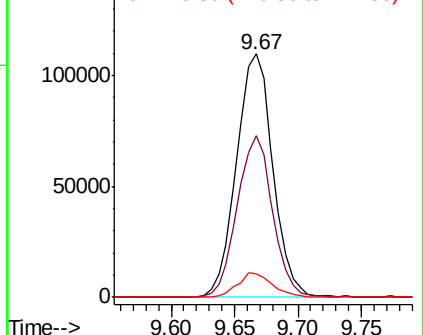
83 100

85 66.6 53.1 79.7

127 9.6 8.6 13.0



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



#48

Methyl methacrylate

Concen: 49.652 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

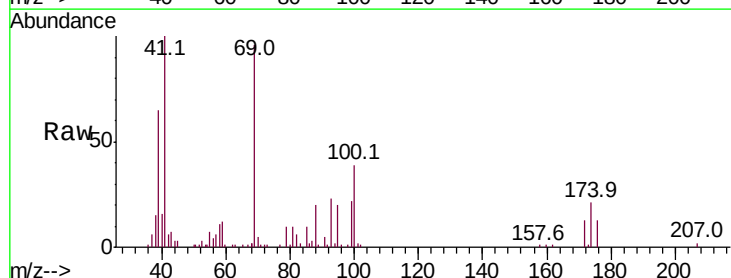
Tgt Ion: 41 Resp: 55626

Ion Ratio Lower Upper

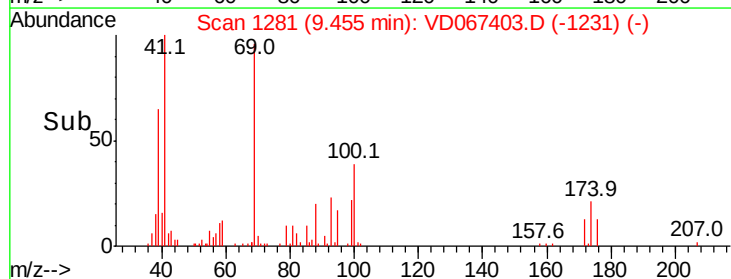
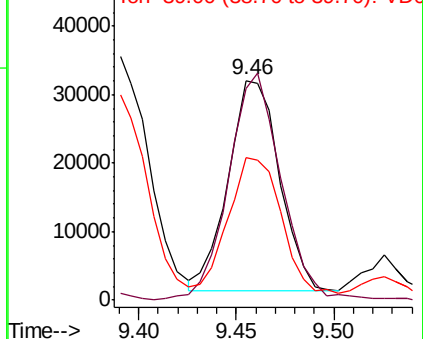
41 100

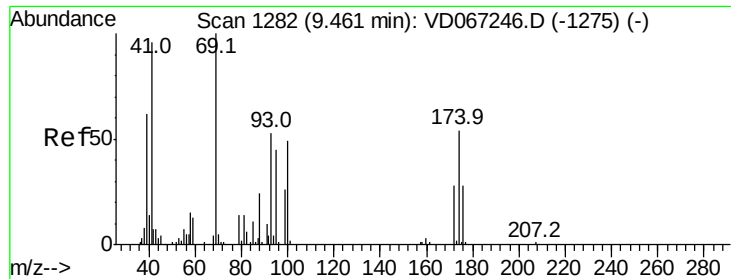
69 112.0 89.0 133.6

39 74.8 60.2 90.2



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





#49

1,4-Dioxane

Concen: 1041.631 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

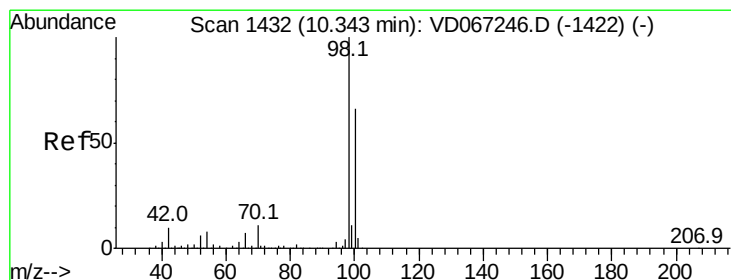
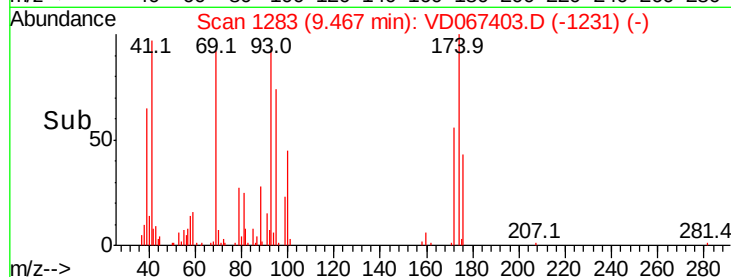
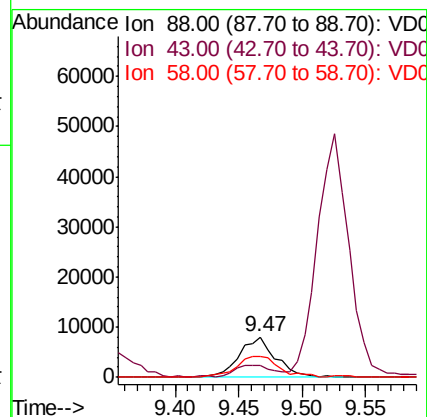
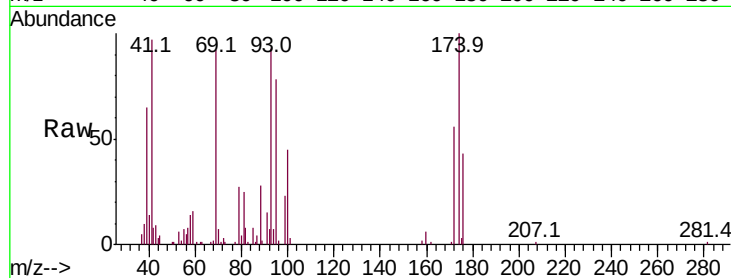
Tot Ion: 88 Resp: 15749

Ion Ratio Lower Upper

88 100

43 34.9 23.9 35.9

58 62.7 51.0 76.6



#50

Toluene-d8

Concen: 49.992 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067403.D

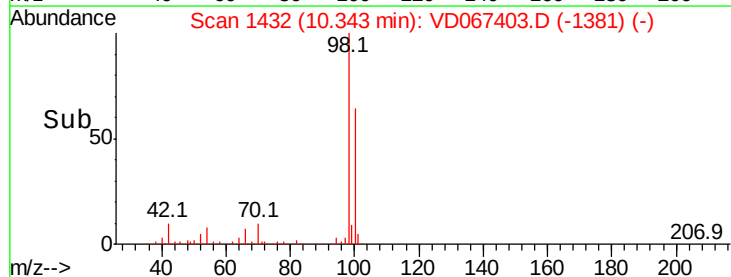
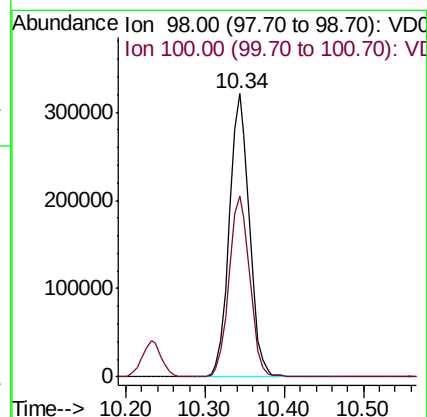
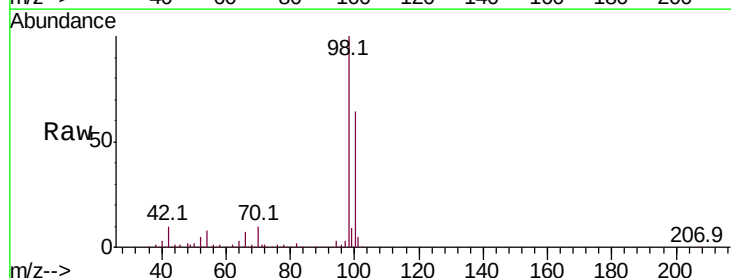
Acq: 27 Oct 2020 11:12

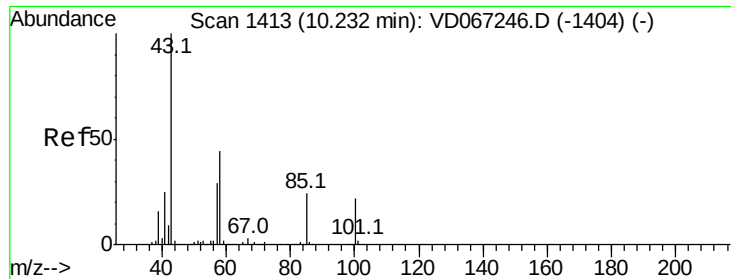
Tgt Ion: 98 Resp: 560945

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7

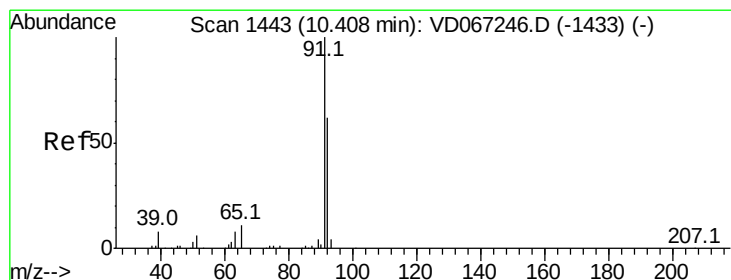
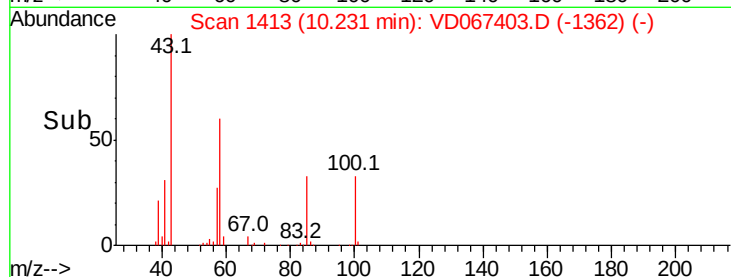
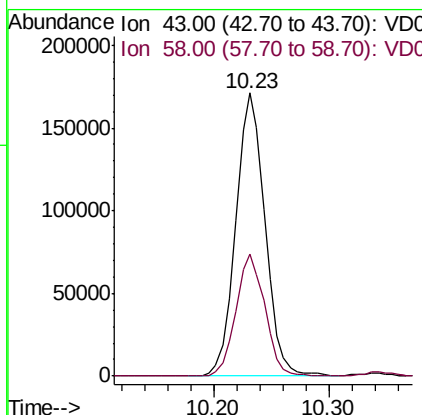
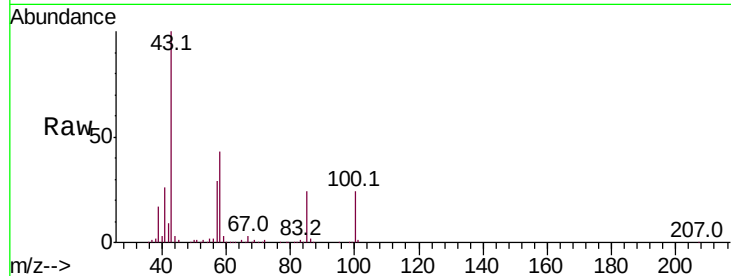




#51
4-Methyl-2-Pentanone
Concen: 260.145 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

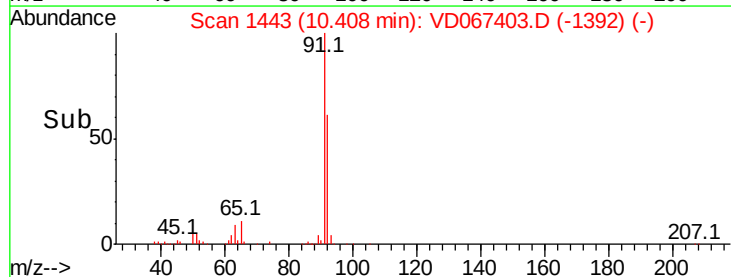
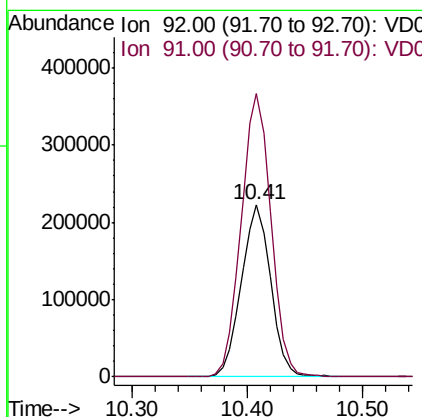
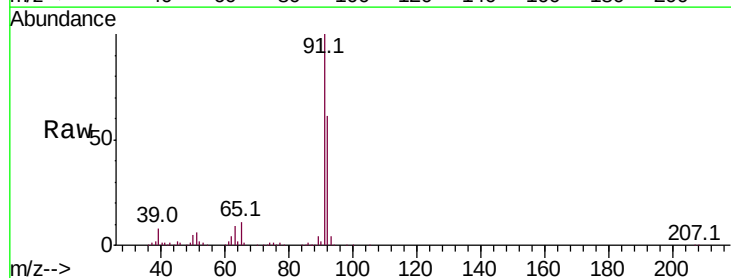
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

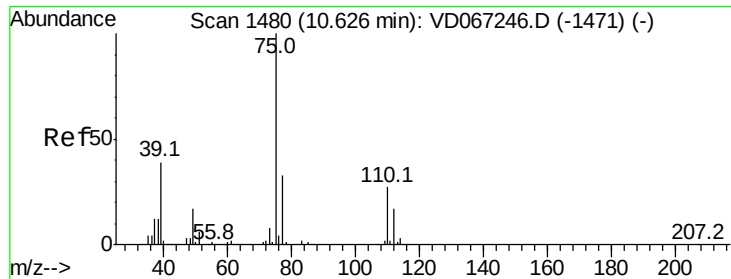
Tot Ion: 43 Resp: 299123
Ion Ratio Lower Upper
43 100
58 43.0 35.7 53.5



#52
Toluene
Concen: 53.362 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 92 Resp: 393730
Ion Ratio Lower Upper
92 100
91 167.5 133.8 200.8

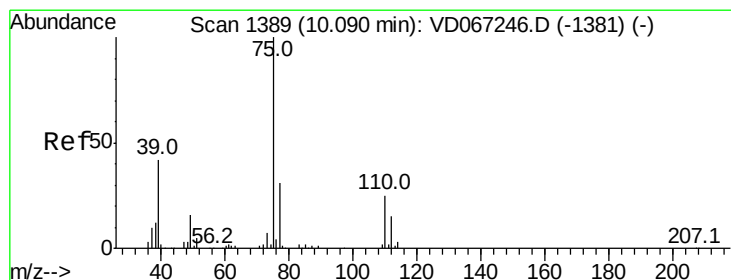
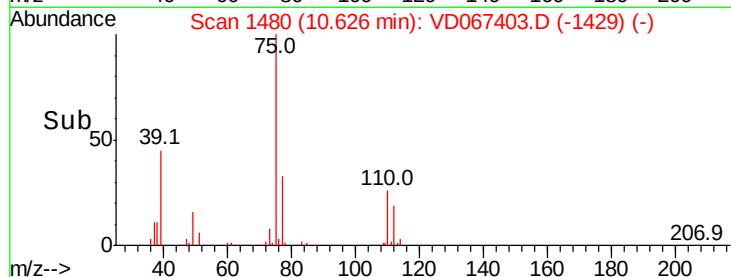
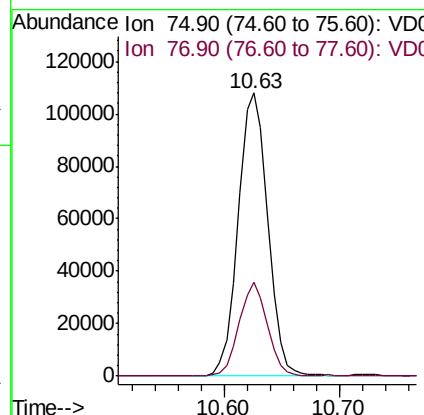
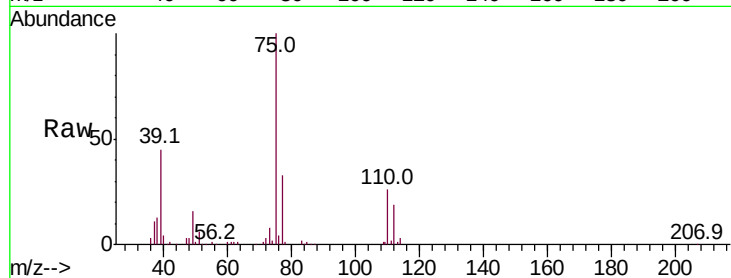




#53
t-1,3-Dichloropropene
Concen: 51.958 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

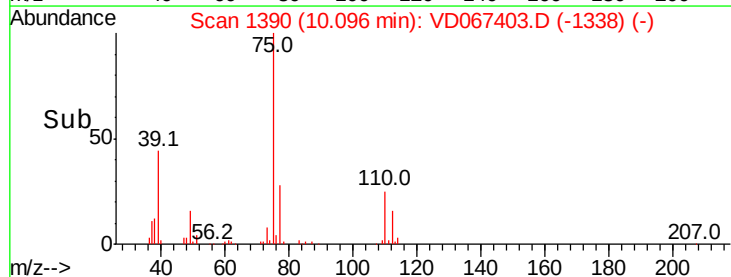
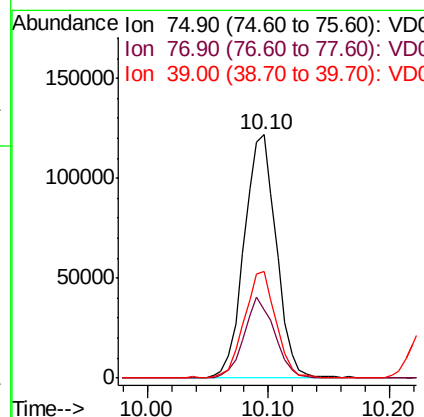
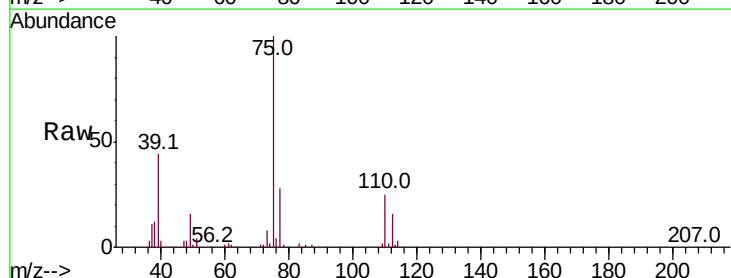
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

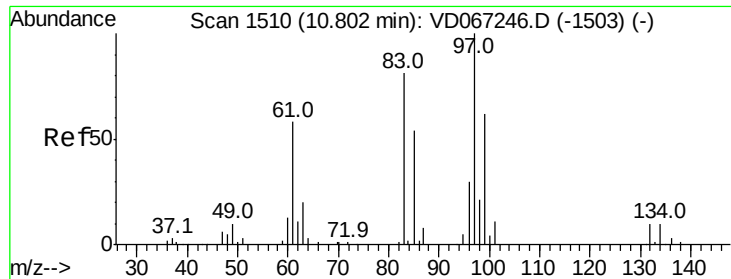
Tot Ion: 75 Resp: 191289
Ion Ratio Lower Upper
75 100
77 33.2 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 52.730 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 75 Resp: 227195
Ion Ratio Lower Upper
75 100
77 28.2 24.5 36.7
39 43.5 33.7 50.5

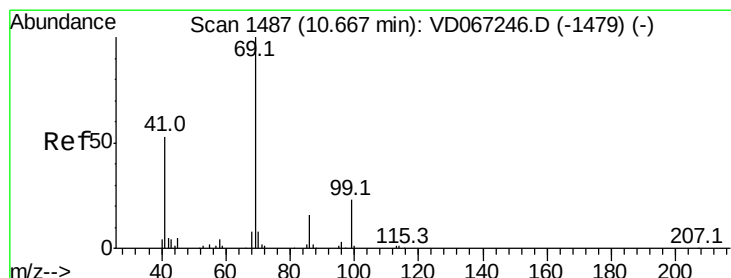
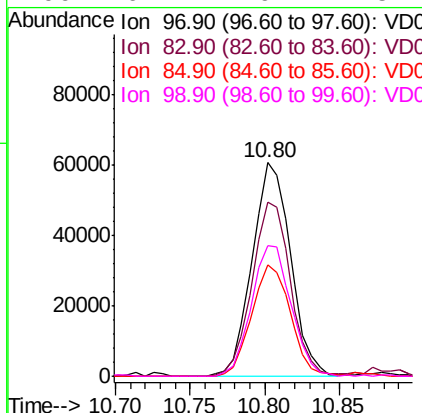
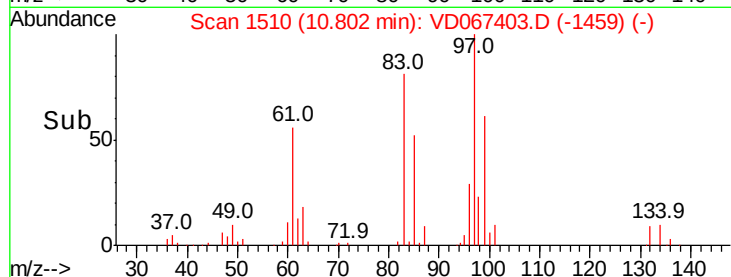
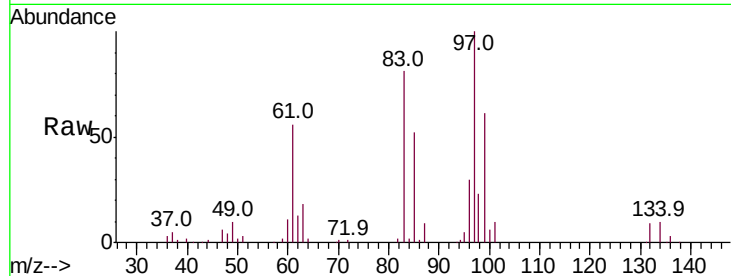




#55
 1,1,2-Trichloroethane
 Concen: 50.754 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

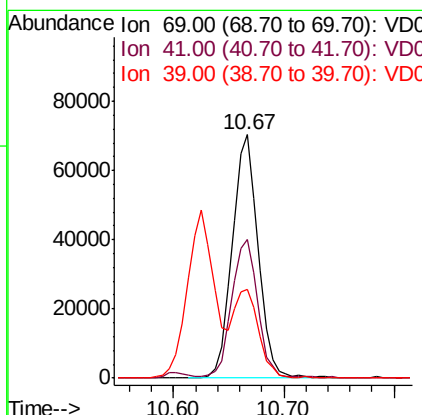
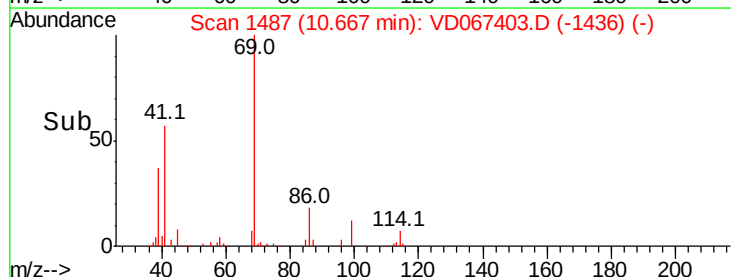
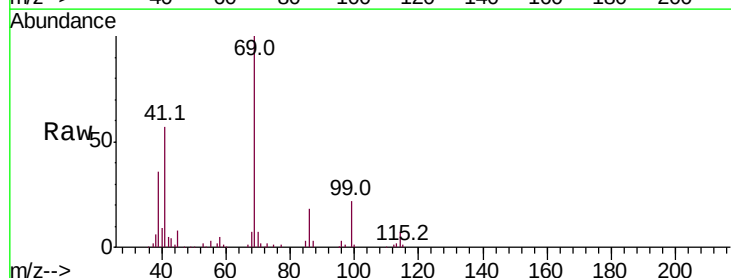
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

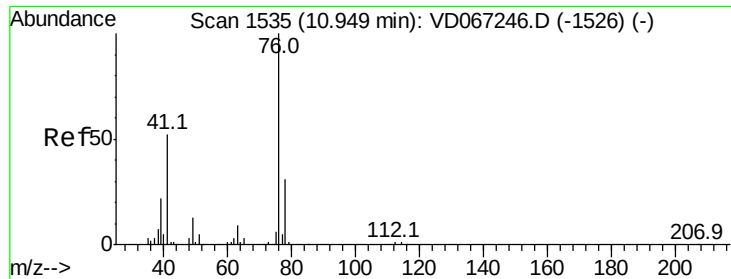
Tot Ion:	97	Resp:	108264
Ion	Ratio	Lower	Upper
97	100		
83	81.5	64.9	97.3
85	51.9	43.3	64.9
99	61.1	49.1	73.7



#56
 Ethyl methacrylate
 Concen: 52.423 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion:	69	Resp:	115972
Ion	Ratio	Lower	Upper
69	100		
41	56.9	44.7	67.1
39	33.7	26.2	39.2





#57

1,3-Dichloropropane

Concen: 51.652 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

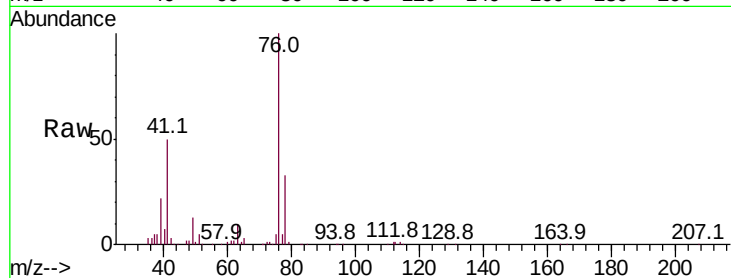
VSTDCCC050

Tot Ion: 76 Resp: 175340

Ion Ratio Lower Upper

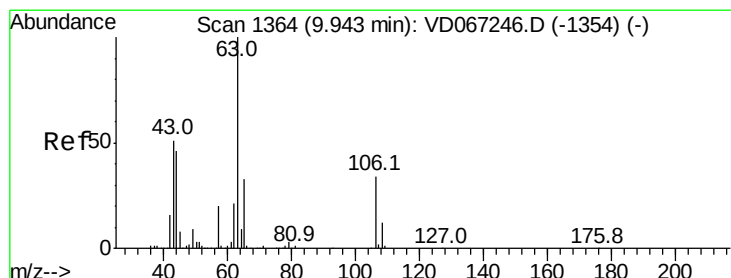
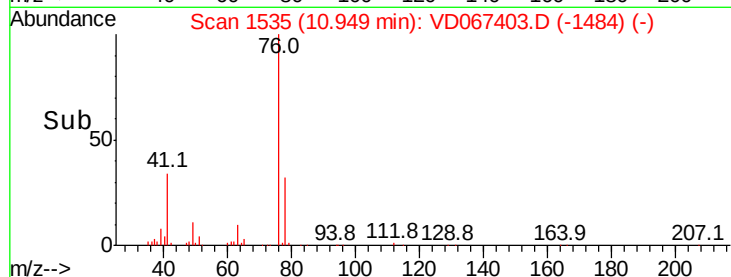
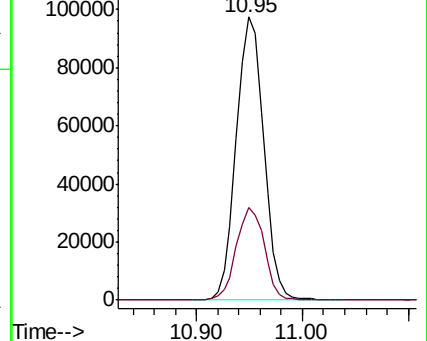
76 100

78 33.4 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 272.416 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067403.D

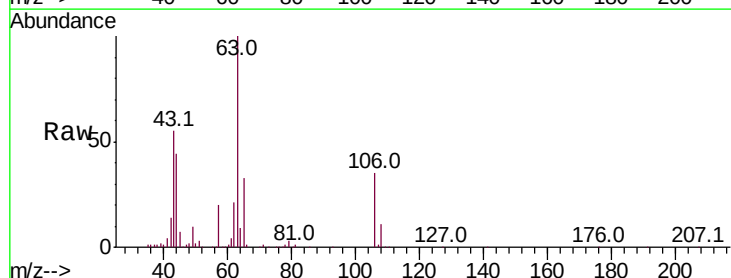
Acq: 27 Oct 2020 11:12

Tgt Ion: 63 Resp: 309160

Ion Ratio Lower Upper

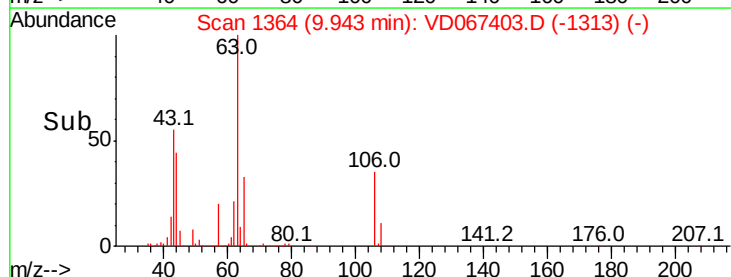
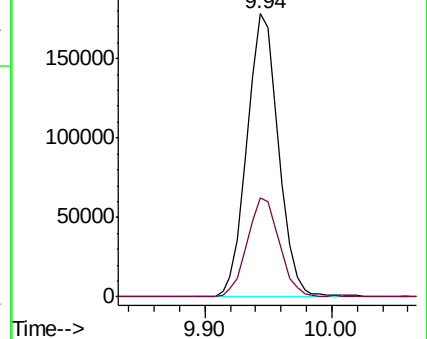
63 100

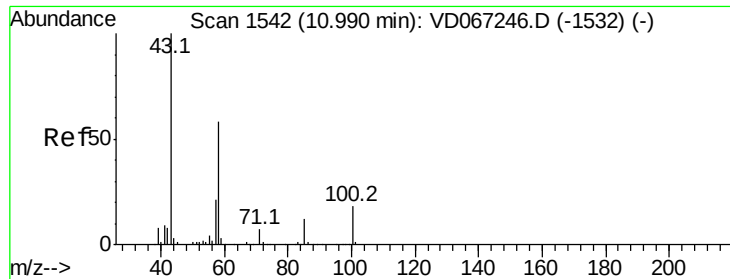
106 35.7 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

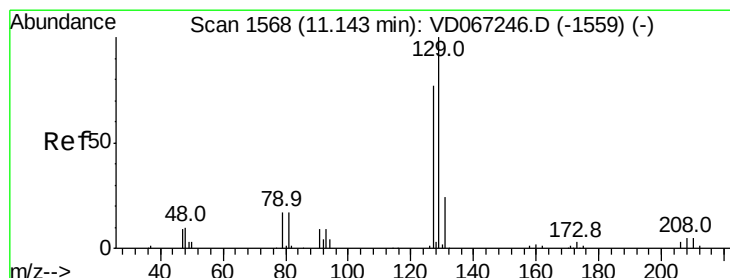
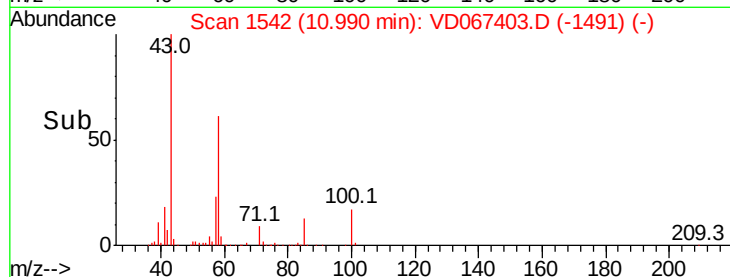
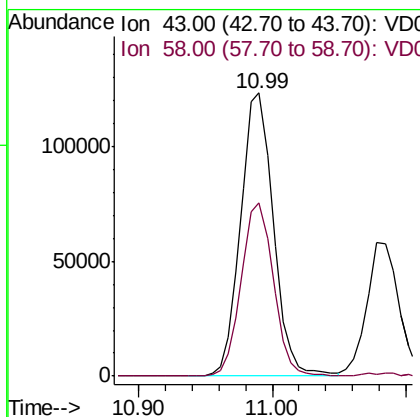
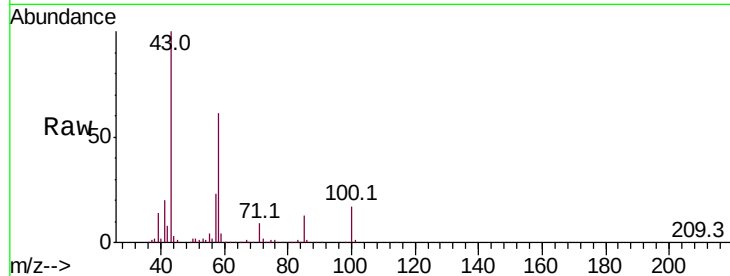




#59
2-Hexanone
Concen: 266.963 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

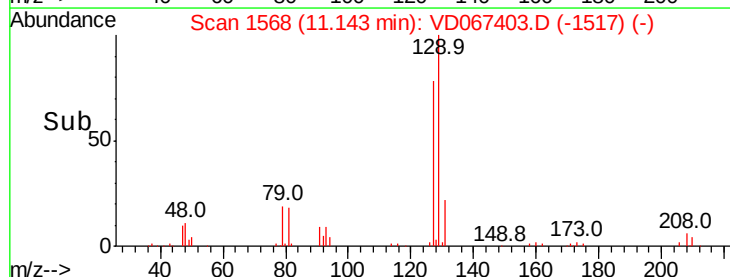
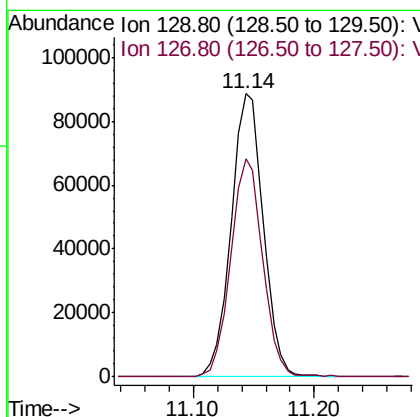
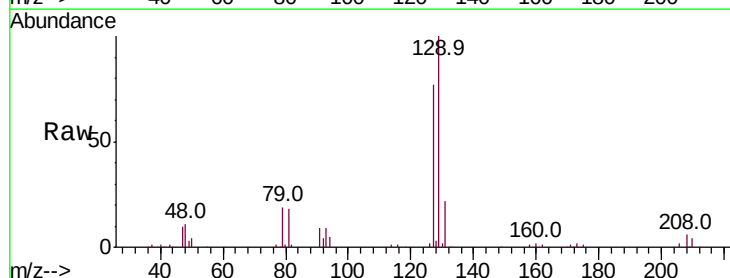
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

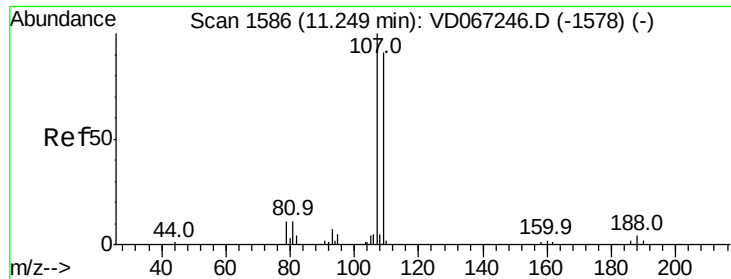
Tot Ion: 43 Resp: 209757
Ion Ratio Lower Upper
43 100
58 60.2 29.3 87.9



#60
Dibromochloromethane
Concen: 52.880 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 129 Resp: 164501
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.8

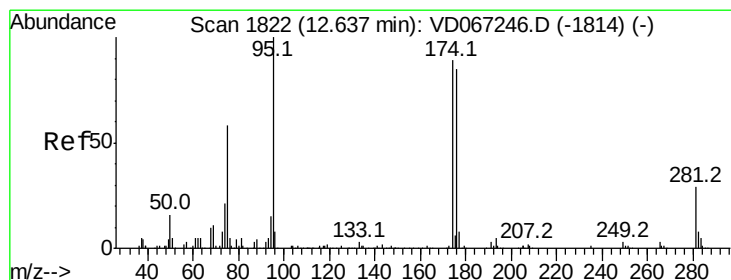
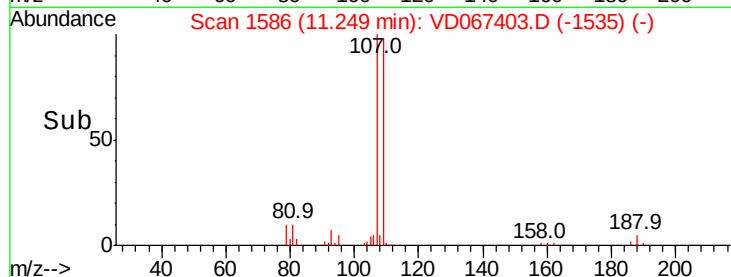
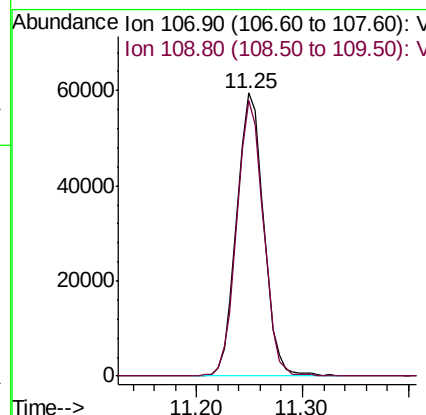
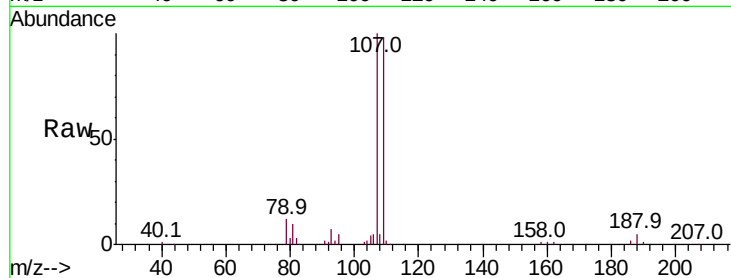




#61
 1,2-Dibromoethane
 Concen: 49.931 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

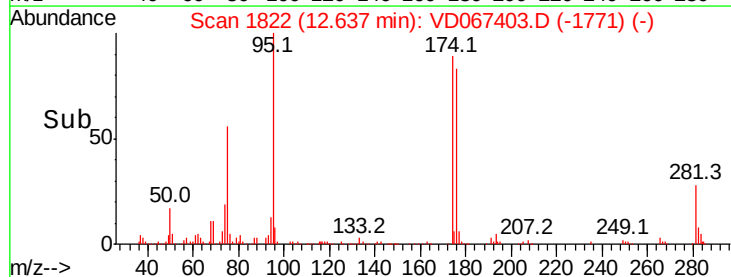
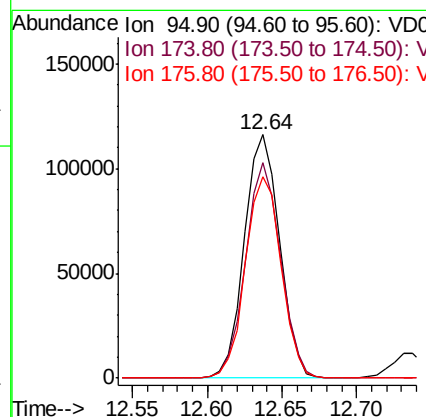
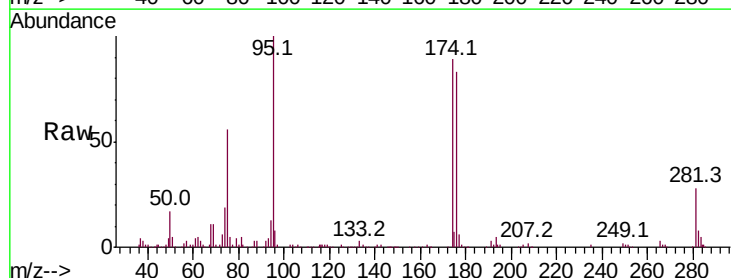
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

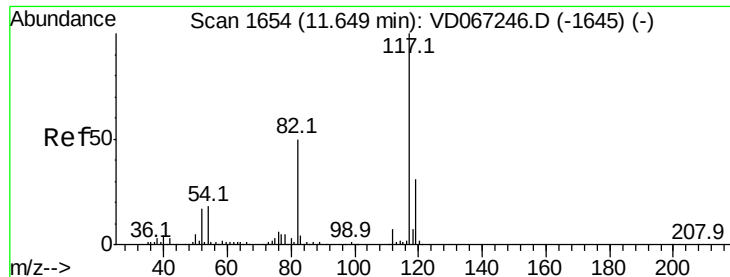
Tot Ion:107 Resp: 105002
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.789 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion: 95 Resp: 190357
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 175.2
 176 83.9 0.0 168.6

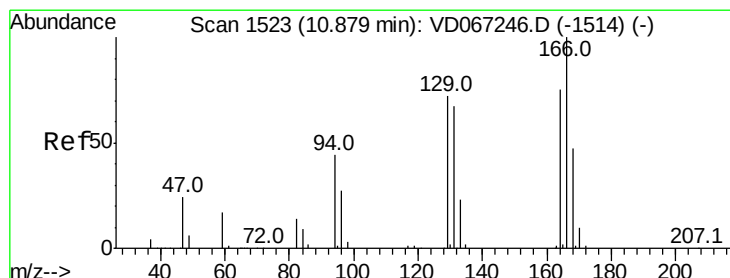
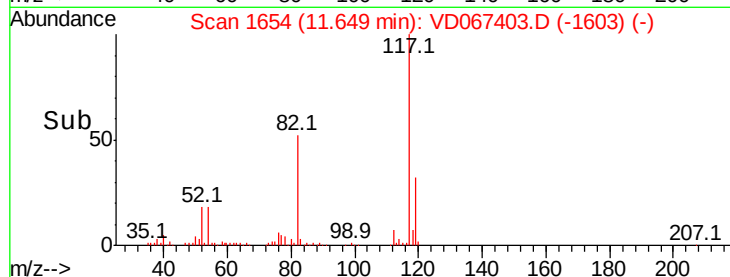
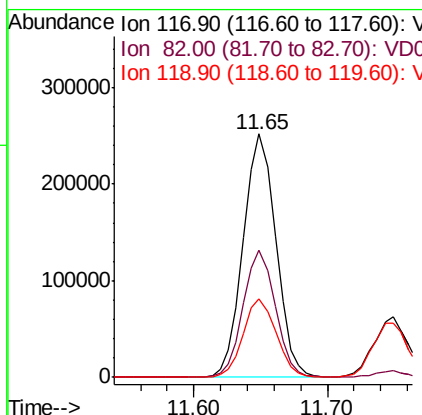
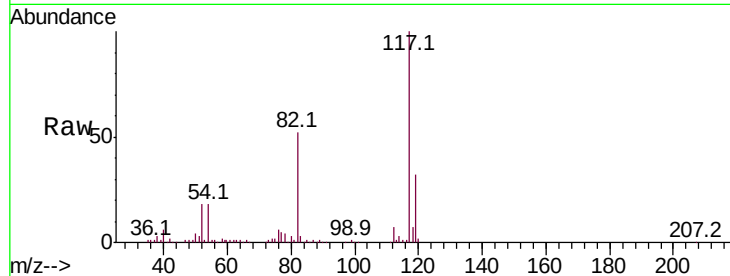




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

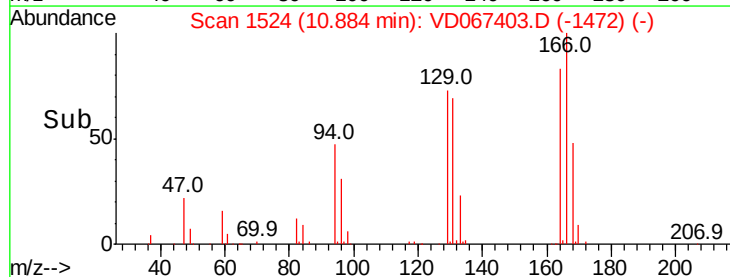
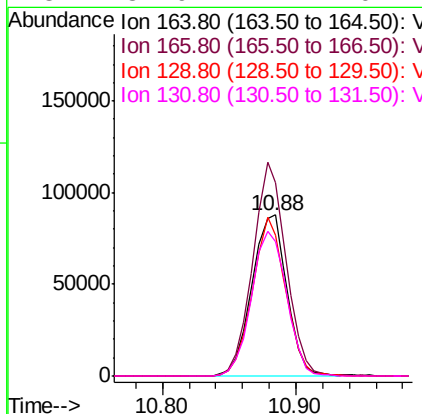
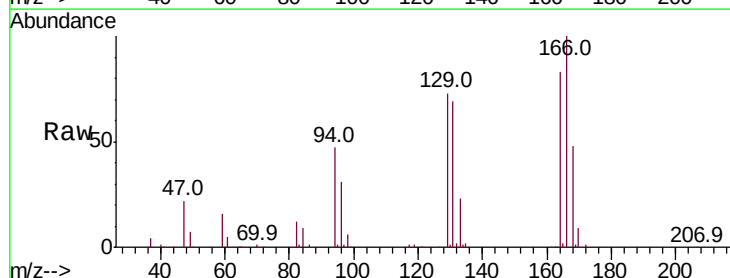
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

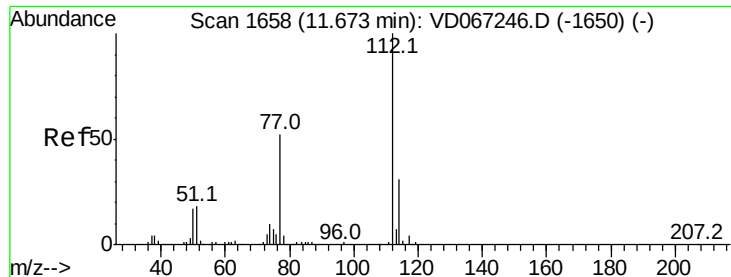
Tot Ion:117 Resp: 428144
Ion Ratio Lower Upper
117 100
82 52.5 39.9 59.9
119 32.4 24.9 37.3



#64
Tetrachloroethene
Concen: 51.221 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion:164 Resp: 158890
Ion Ratio Lower Upper
164 100
166 119.9 107.3 160.9
129 87.7 77.3 115.9
131 82.9 71.4 107.2





#65

Chlorobenzene

Concen: 52.103 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

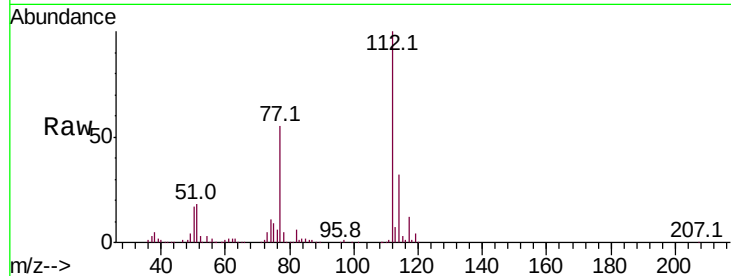
VSTDCCC050

Tot Ion:112 Resp: 427769

Ion Ratio Lower Upper

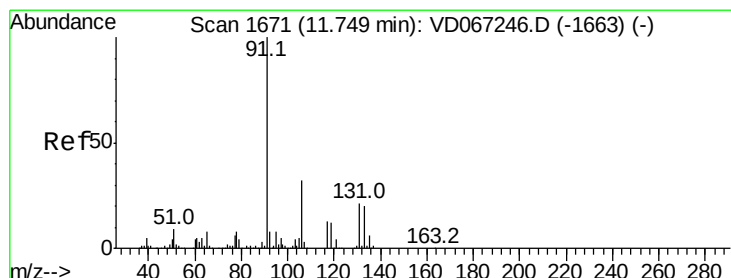
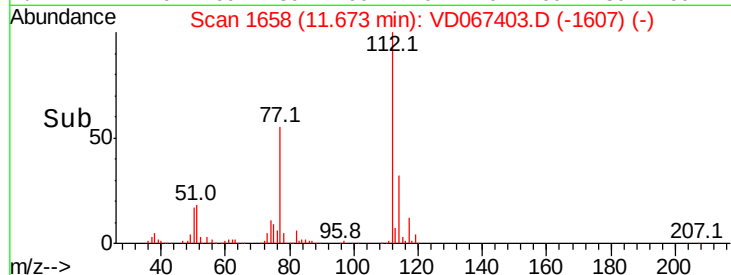
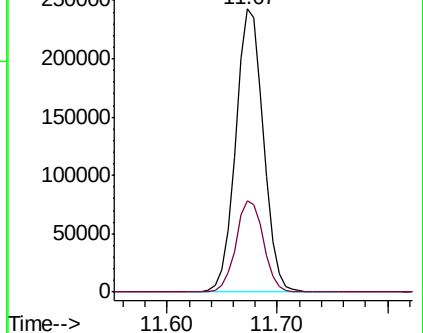
112 100

114 32.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.768 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

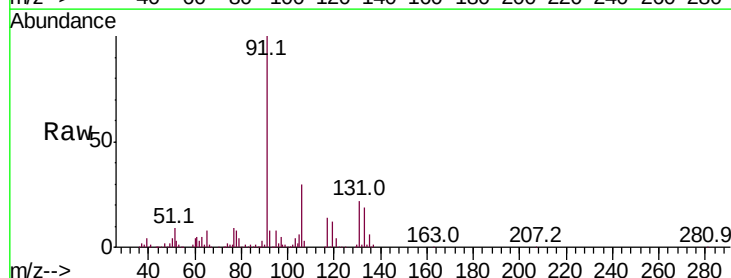
Tgt Ion:131 Resp: 175449

Ion Ratio Lower Upper

131 100

133 93.5 48.1 144.3

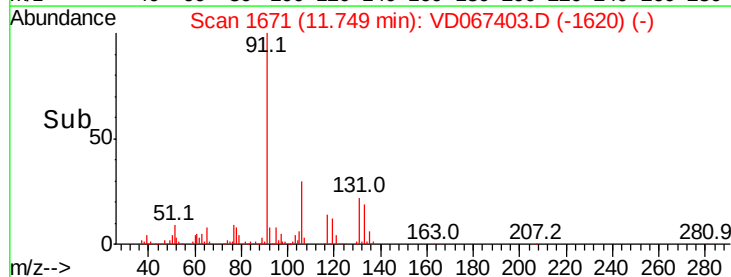
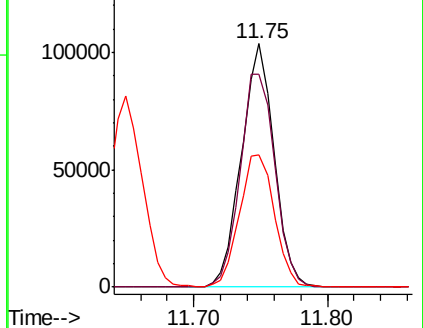
119 58.3 30.0 90.0

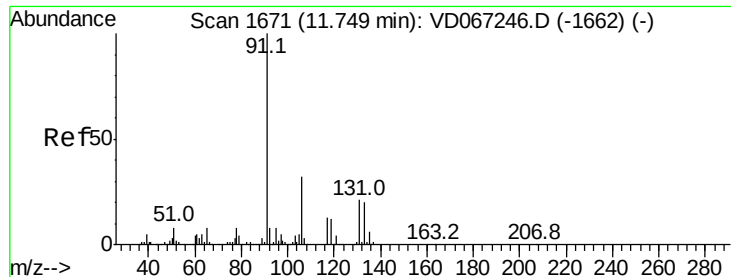


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.969 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

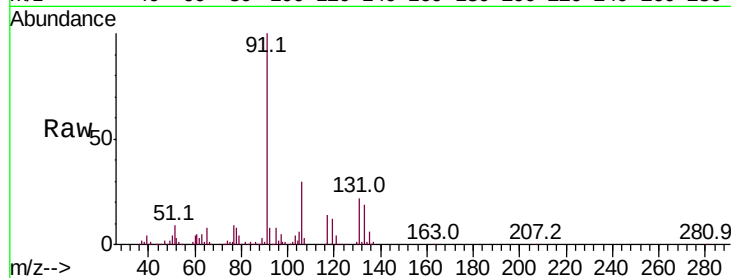
VSTDCCC050

Tot Ion: 91 Resp: 759546

Ion Ratio Lower Upper

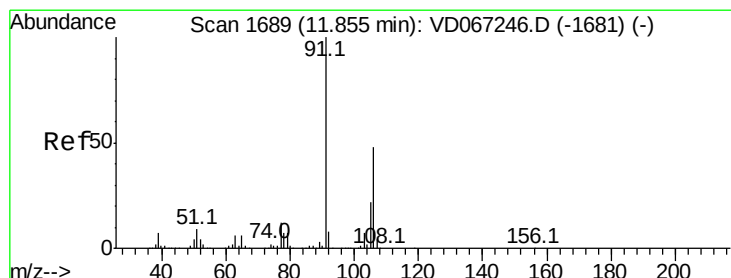
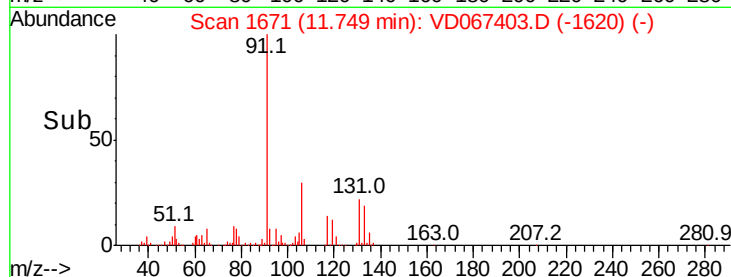
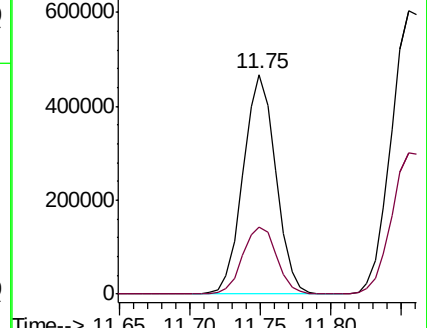
91 100

106 30.3 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 108.308 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067403.D

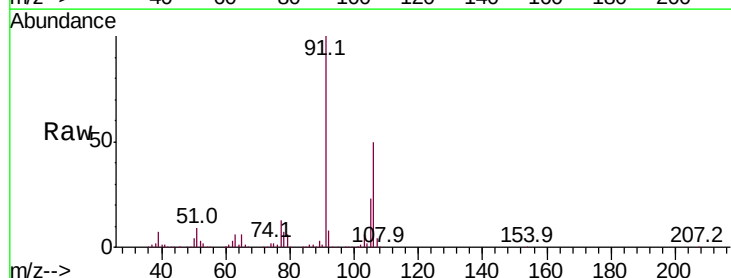
Acq: 27 Oct 2020 11:12

Tgt Ion: 106 Resp: 586982

Ion Ratio Lower Upper

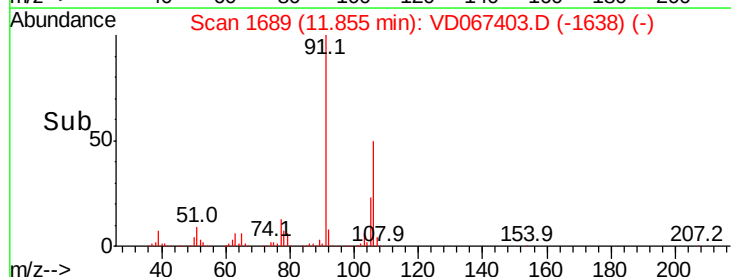
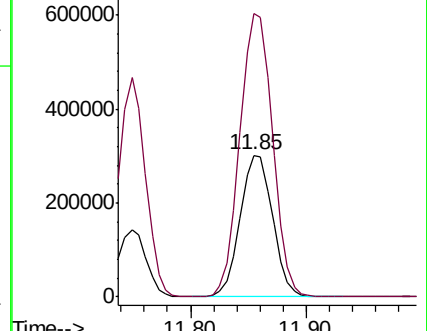
106 100

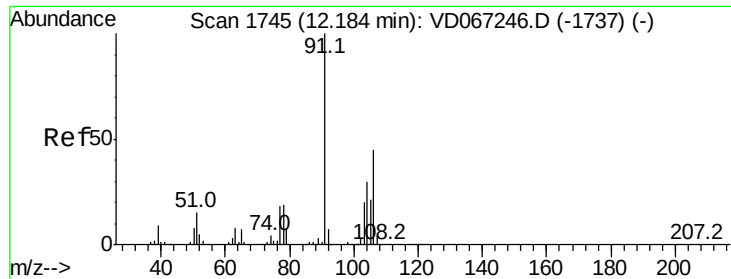
91 202.9 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

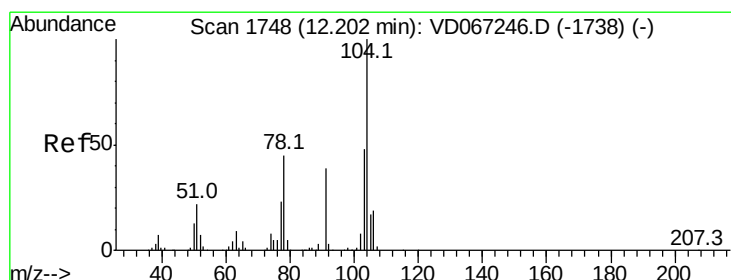
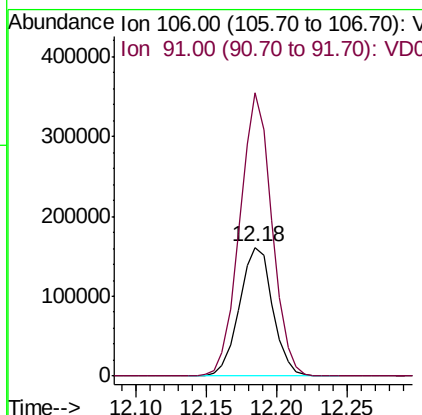
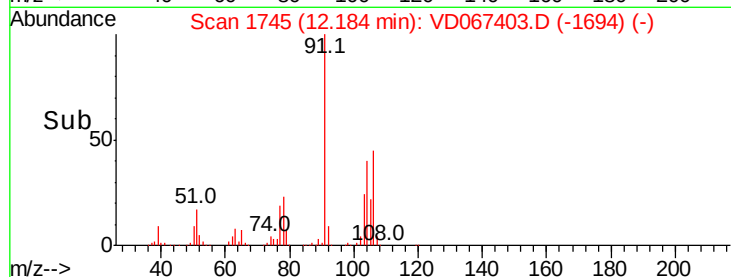
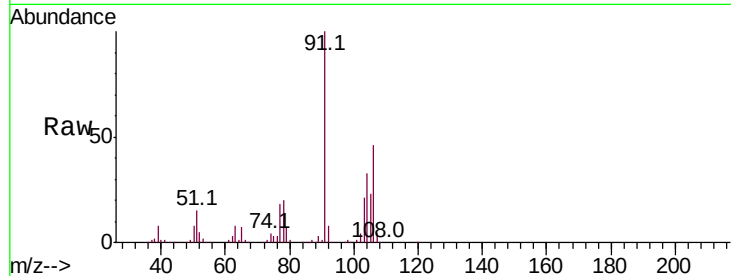




#69
o-Xylene
Concen: 53.057 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

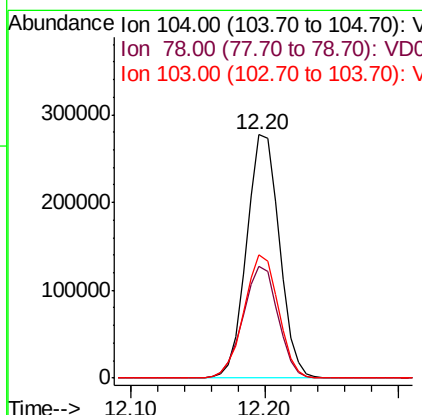
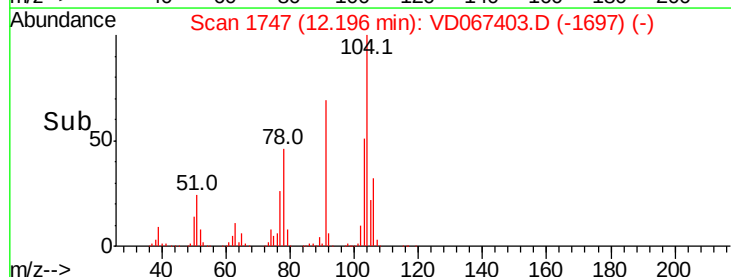
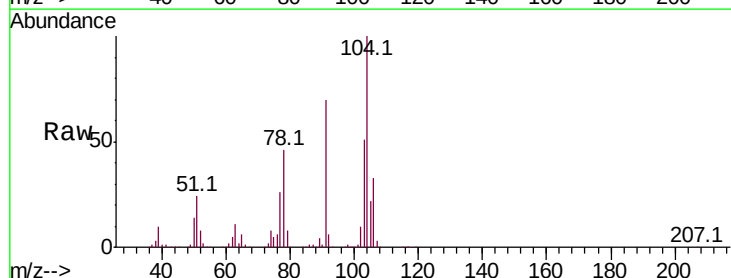
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

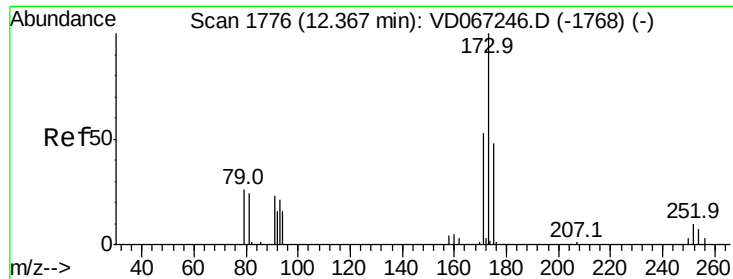
Tot Ion:106 Resp: 266272
Ion Ratio Lower Upper
106 100
91 212.3 109.1 327.3



#70
Styrene
Concen: 54.313 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion:104 Resp: 469218
Ion Ratio Lower Upper
104 100
78 49.3 39.8 59.6
103 53.5 42.6 64.0





#71

Bromoform

Concen: 53.237 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

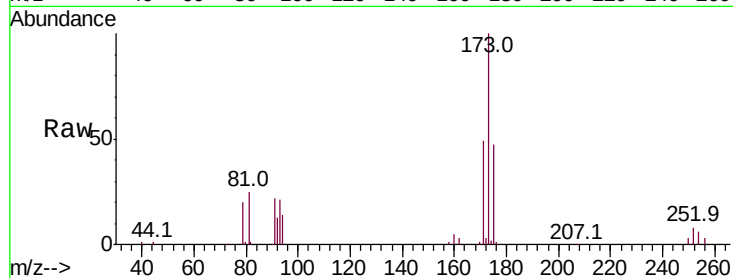
Tot Ion:173 Resp: 93325

Ion Ratio Lower Upper

173 100

175 47.9 24.2 72.6

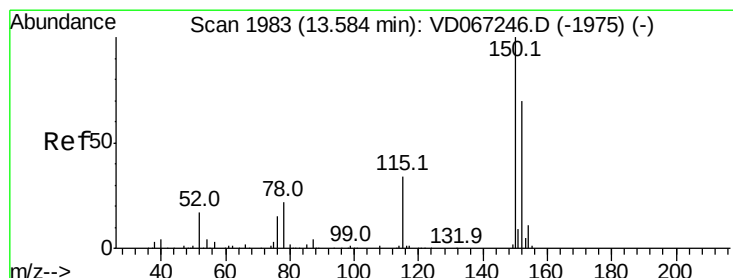
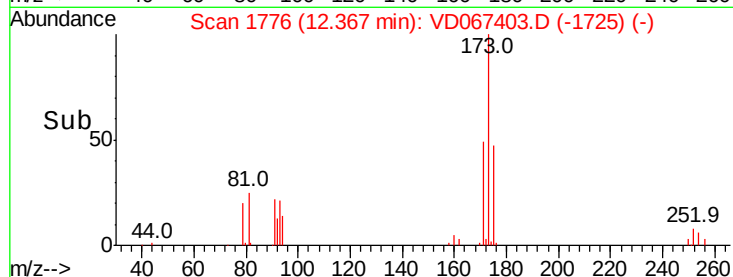
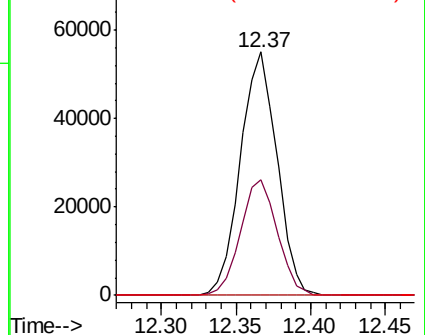
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

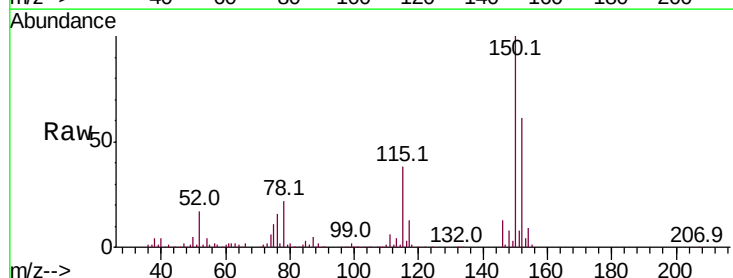
Tgt Ion:152 Resp: 215034

Ion Ratio Lower Upper

152 100

115 59.1 29.3 87.9

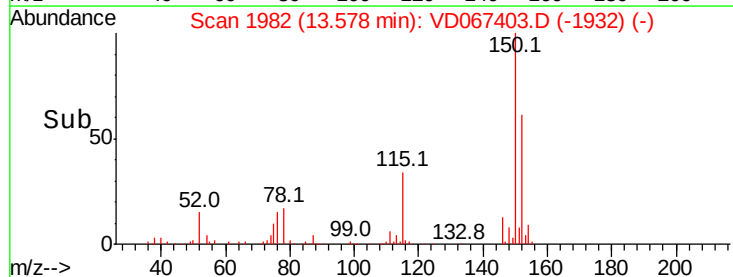
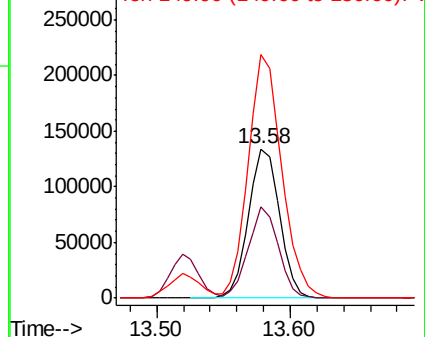
150 176.3 0.0 339.0

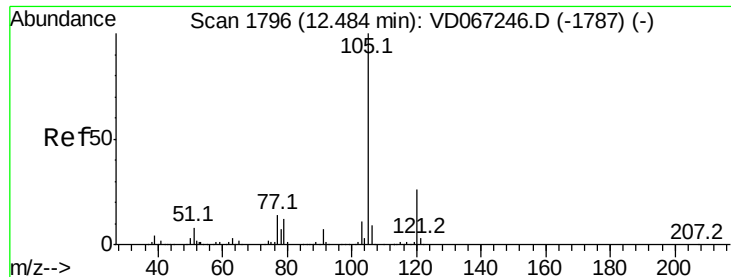


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.116 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

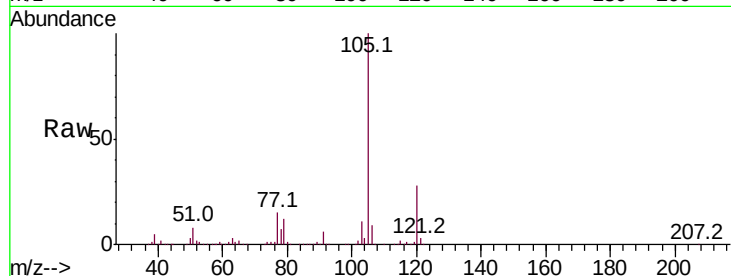
VSTDCCC050

Tot Ion:105 Resp: 765847

Ion Ratio Lower Upper

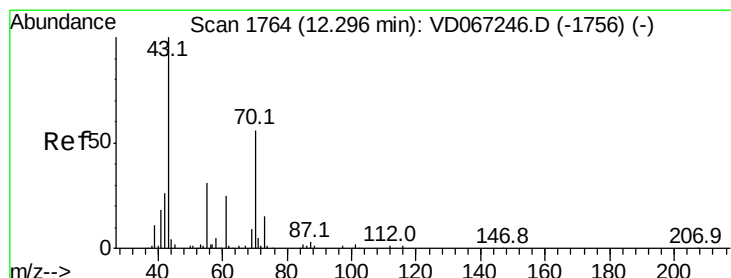
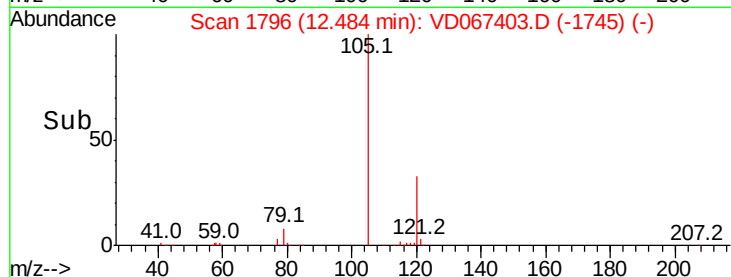
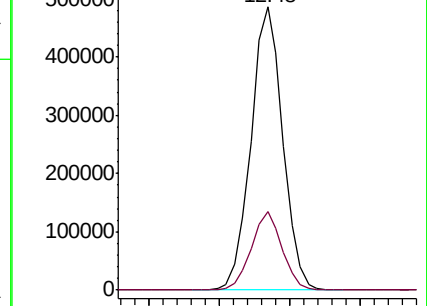
105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.457 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Tgt Ion: 43 Resp: 108126

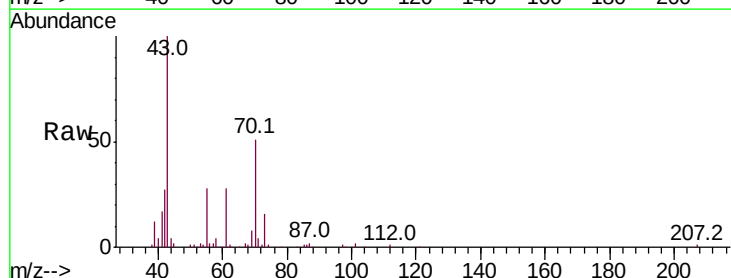
Ion Ratio Lower Upper

43 100

70 52.0 42.7 64.1

55 28.9 24.0 36.0

61 27.6 22.2 33.4

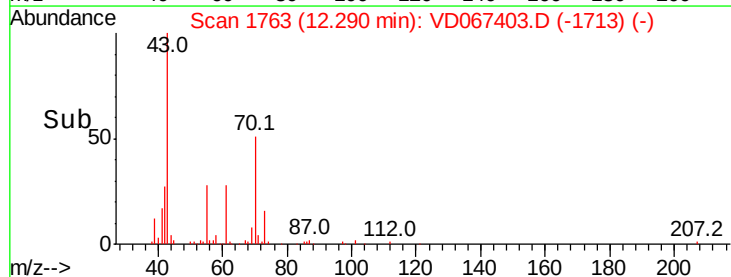
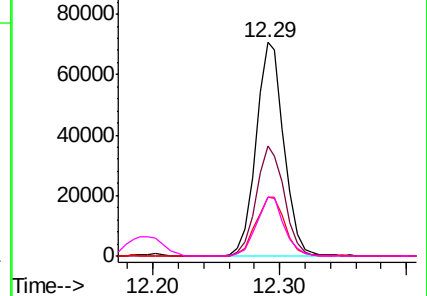


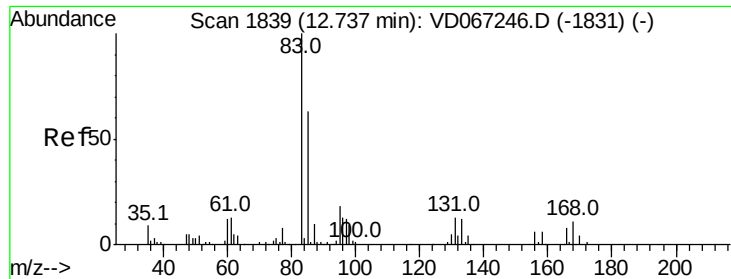
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.631 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

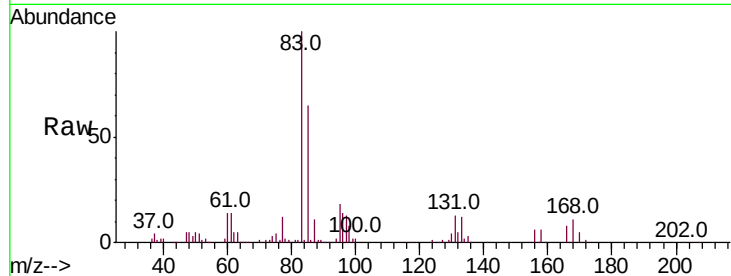
Tot Ion: 83 Resp: 105875

Ion Ratio Lower Upper

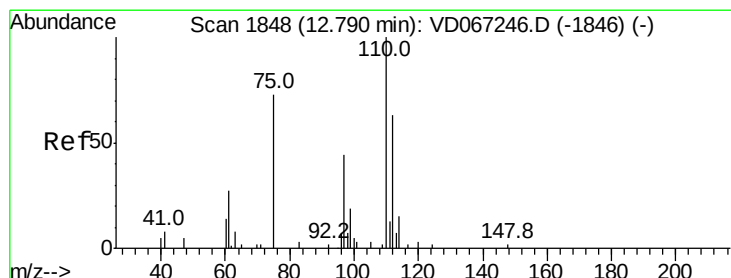
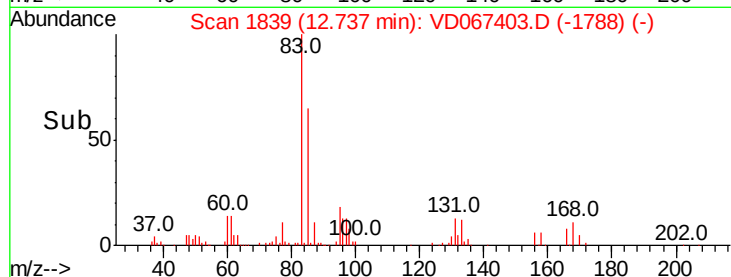
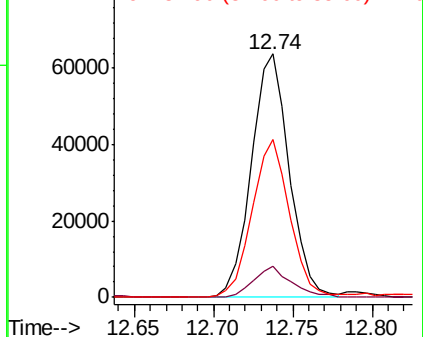
83 100

131 12.9 6.5 19.5

85 64.2 32.6 97.7



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: 99.565 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD067403.D

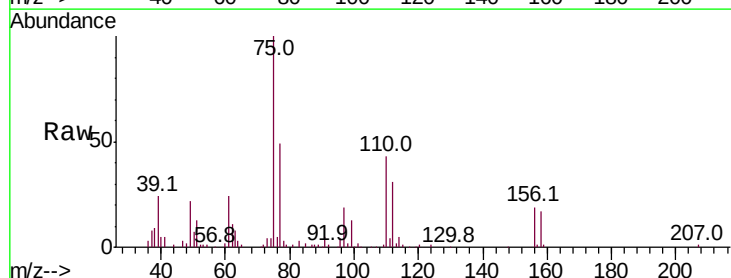
Acq: 27 Oct 2020 11:12

Tgt Ion: 75 Resp: 148390

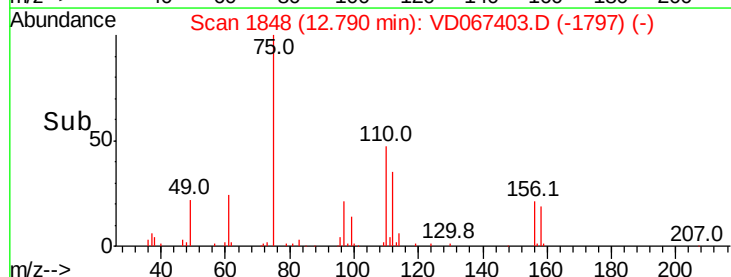
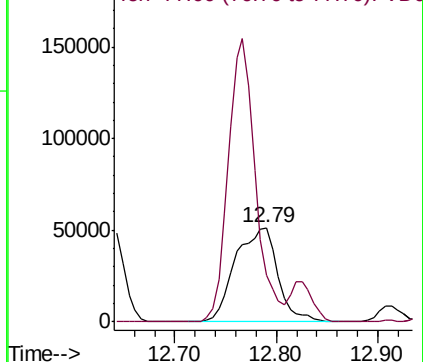
Ion Ratio Lower Upper

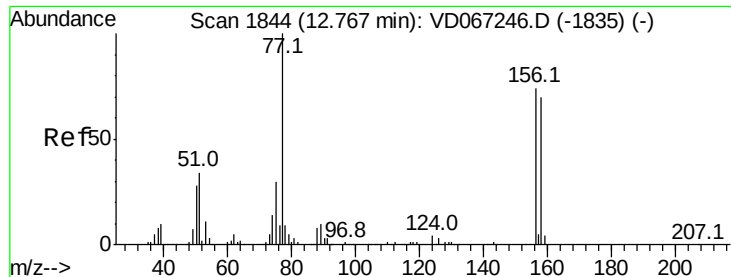
75 100

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: 53.382 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

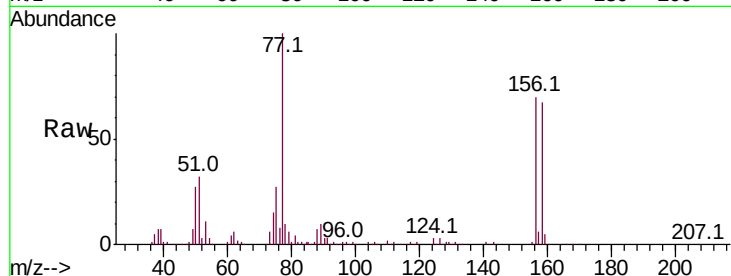
Tot Ion:156 Resp: 181630

Ion Ratio Lower Upper

156 100

77 158.9 78.0 233.8

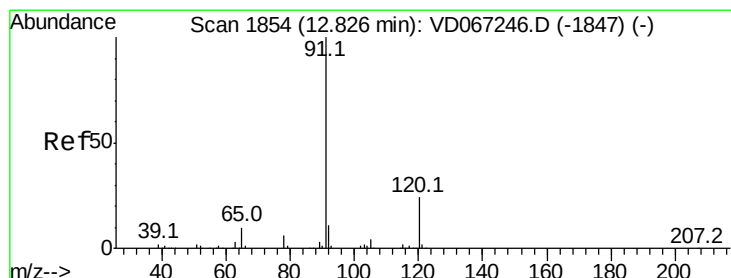
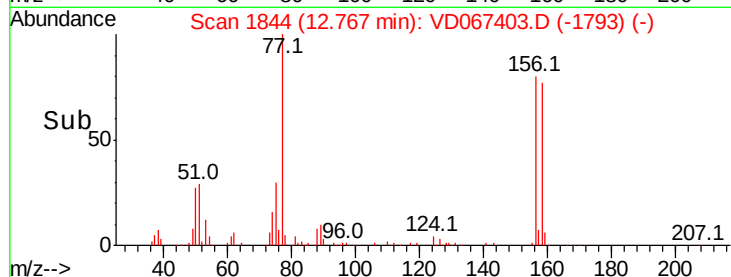
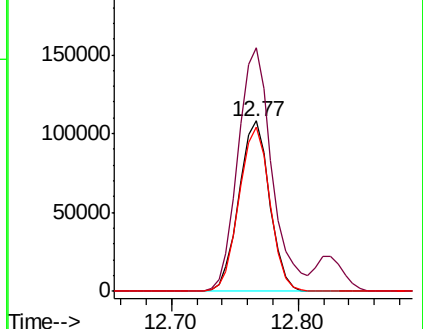
158 96.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.989 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067403.D

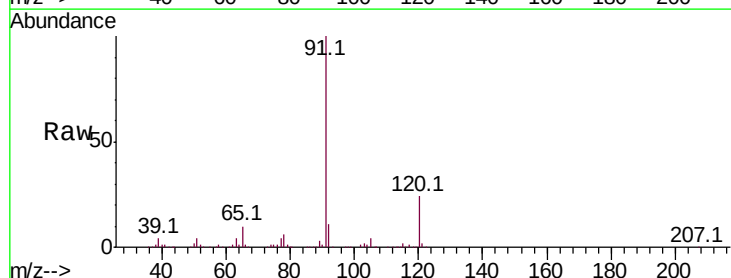
Acq: 27 Oct 2020 11:12

Tgt Ion: 91 Resp: 885321

Ion Ratio Lower Upper

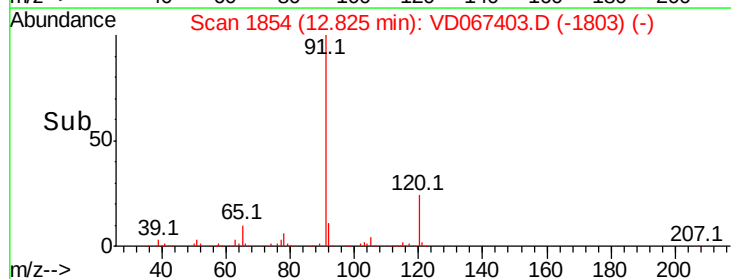
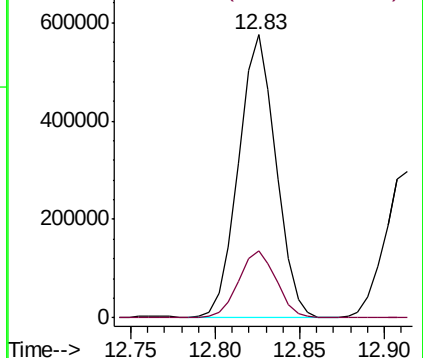
91 100

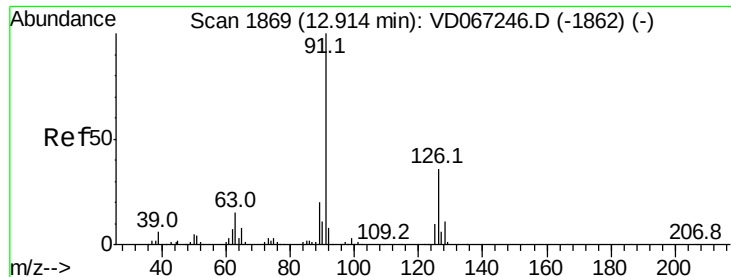
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.282 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

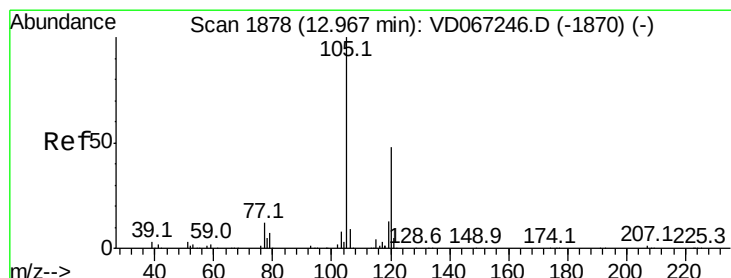
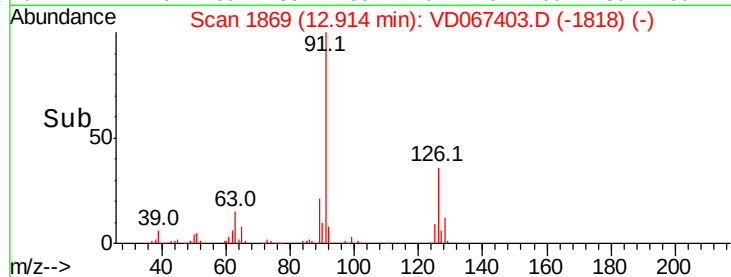
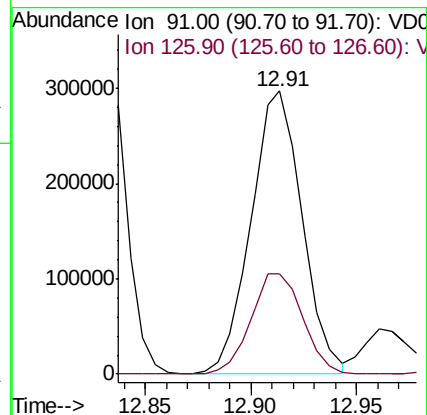
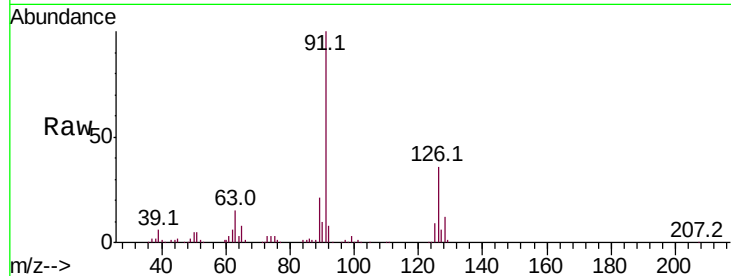
VSTDCCC050

Tot Ion: 91 Resp: 497759

Ion Ratio Lower Upper

91 100

126 36.1 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 55.684 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067403.D

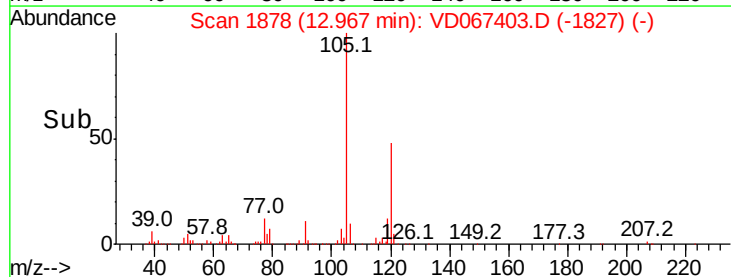
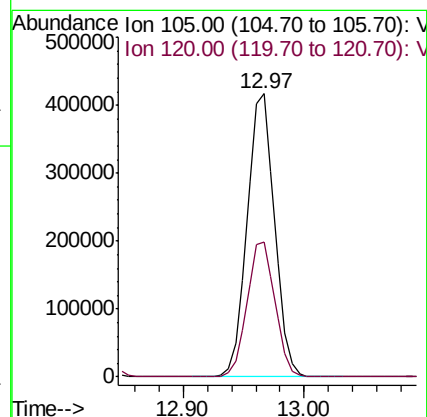
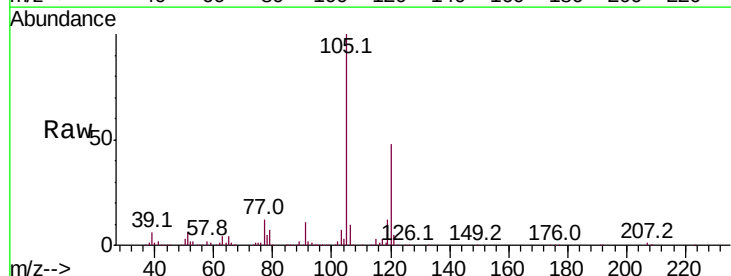
Acq: 27 Oct 2020 11:12

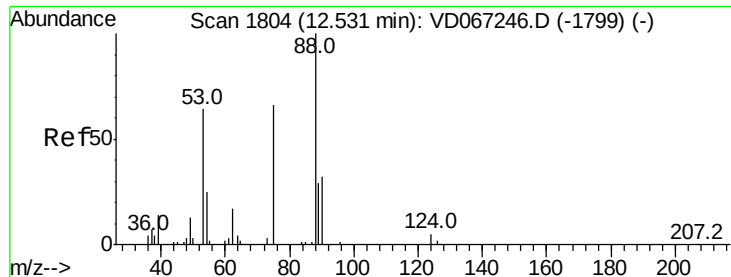
Tgt Ion:105 Resp: 660395

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8

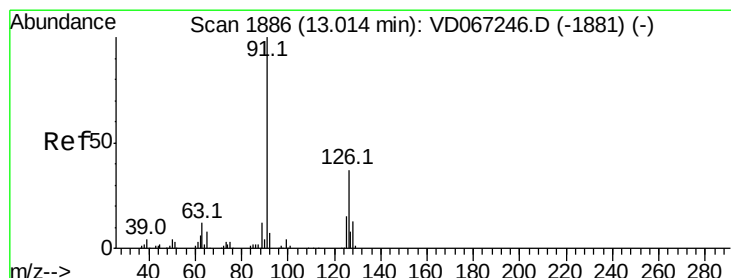
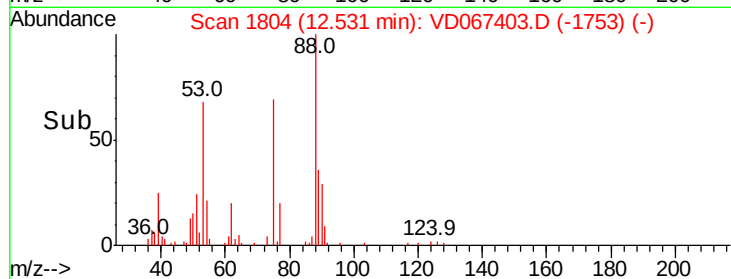
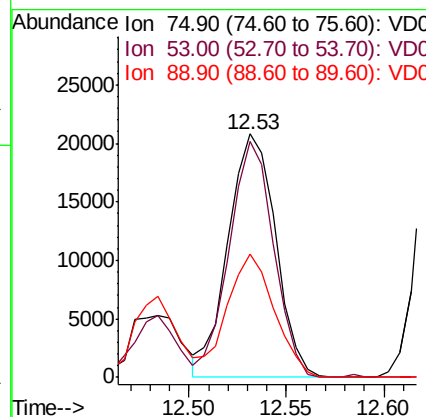
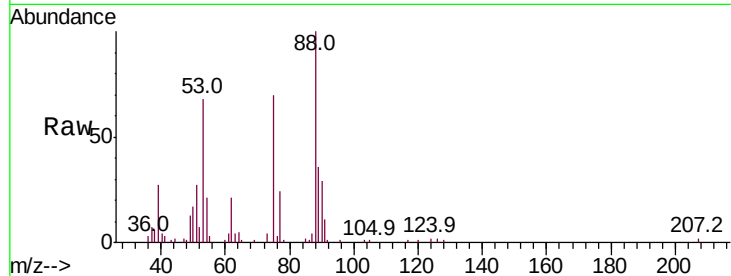




#81
trans-1,4-Dichloro-2-butene
Concen: 53.476 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

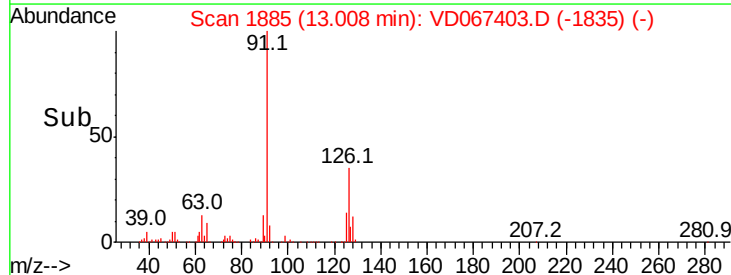
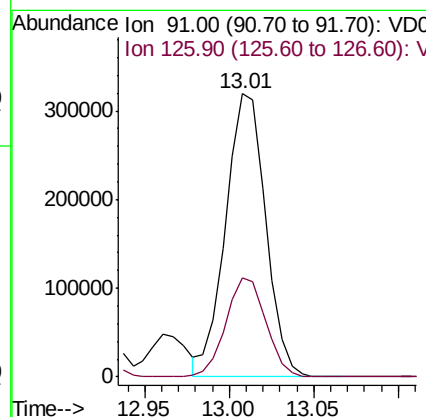
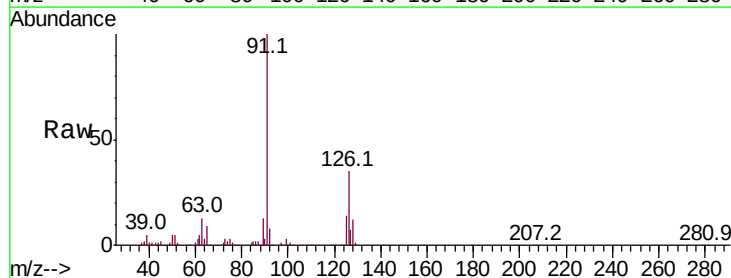
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

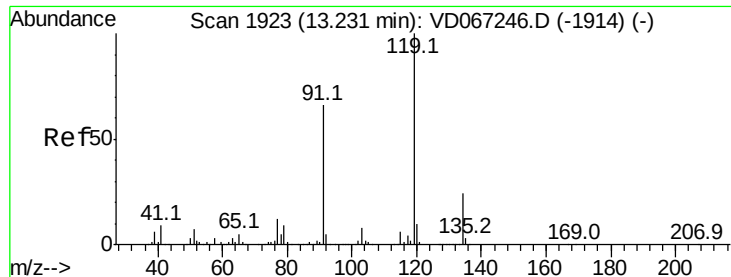
Tot Ion: 75 Resp: 35146
Ion Ratio Lower Upper
75 100
53 90.6 78.5 117.7
89 50.9 39.9 59.9



#82
4-Chlorotoluene
Concen: 54.152 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 91 Resp: 527037
Ion Ratio Lower Upper
91 100
126 34.9 17.8 53.5

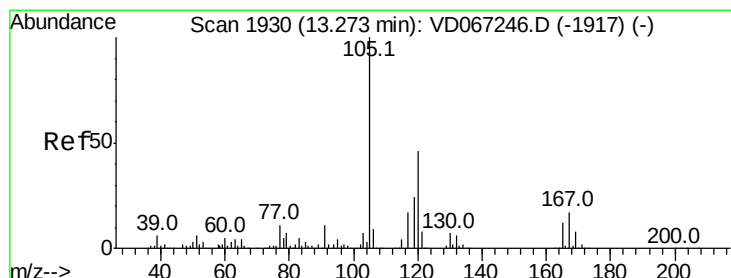
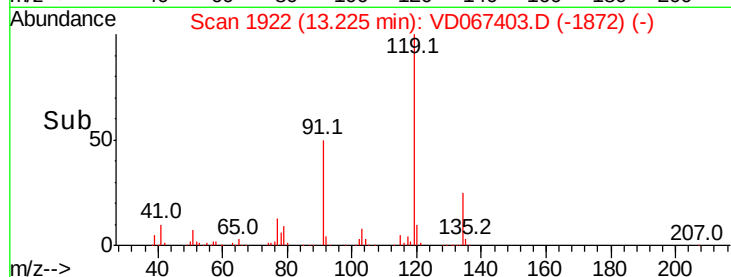
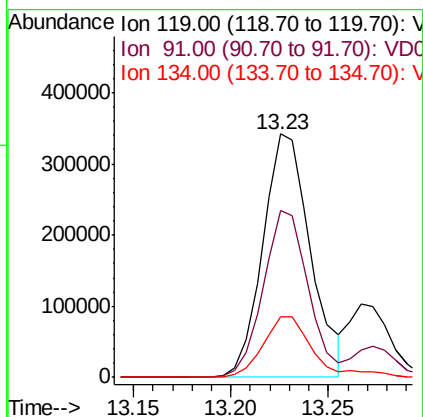
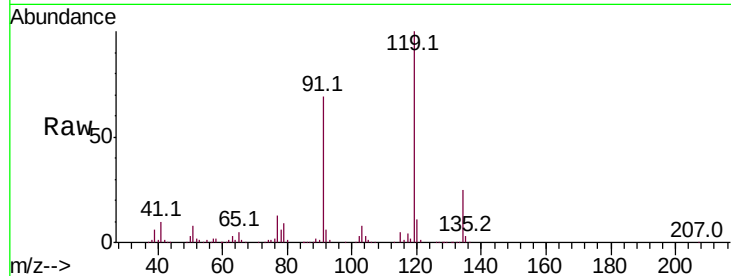




#83
 tert-Butylbenzene
 Concen: 57.687 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

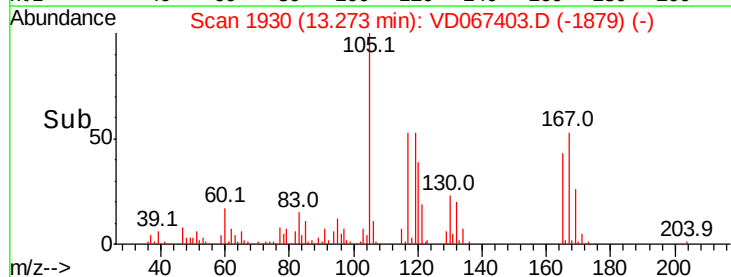
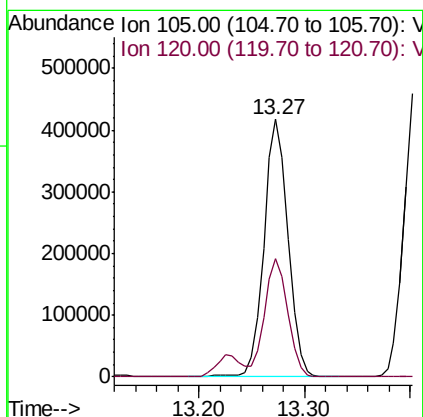
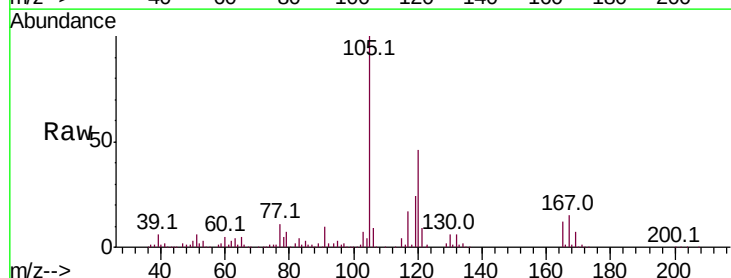
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

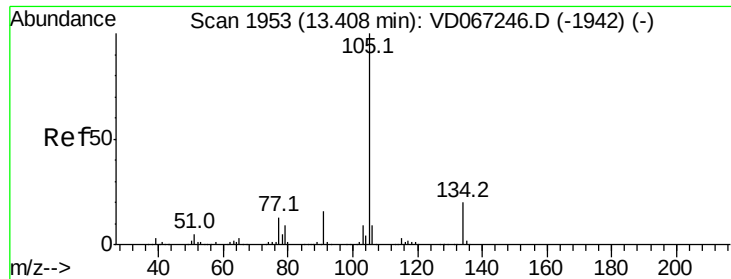
Tot Ion:119 Resp: 577907
 Ion Ratio Lower Upper
 119 100
 91 64.7 33.1 99.2
 134 26.3 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 56.100 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion:105 Resp: 657583
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 56.661 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

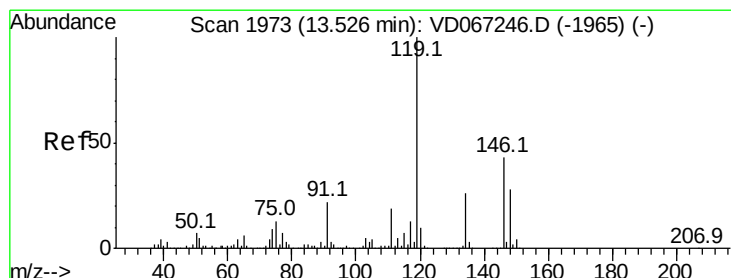
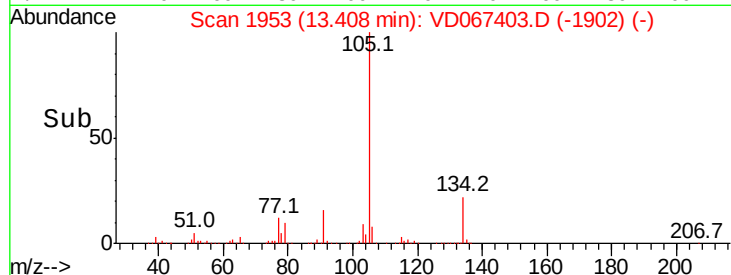
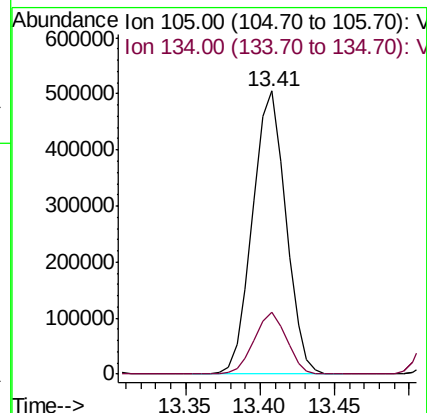
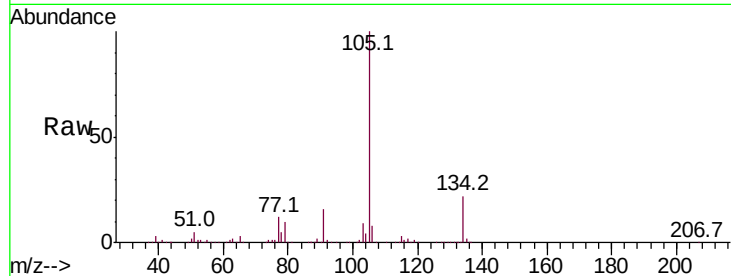
VSTDCCC050

Tot Ion:105 Resp: 778869

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.5



#86

p-Isopropyltoluene

Concen: 56.685 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

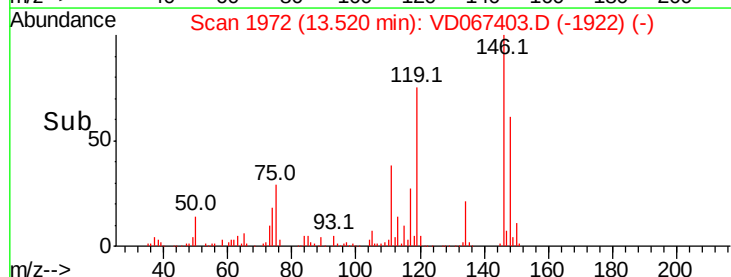
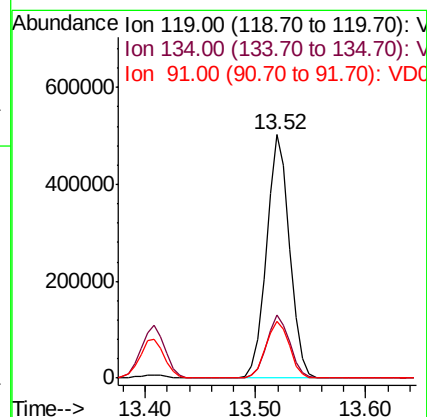
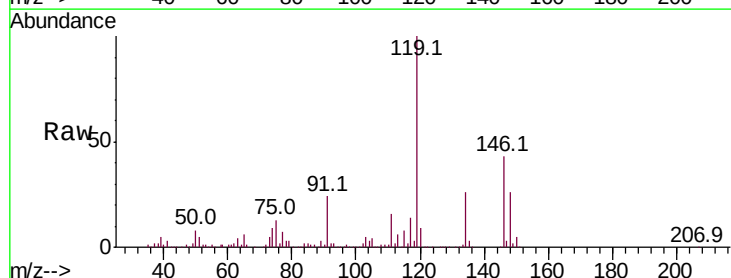
Tgt Ion:119 Resp: 735463

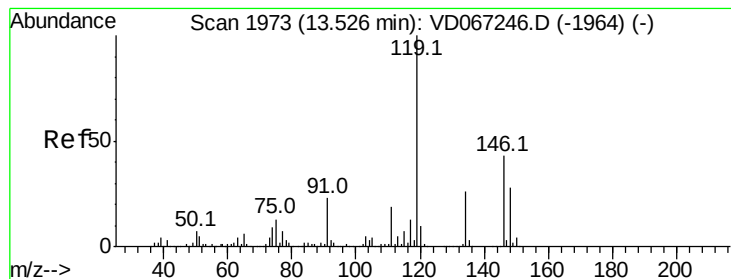
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 23.7 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 53.812 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

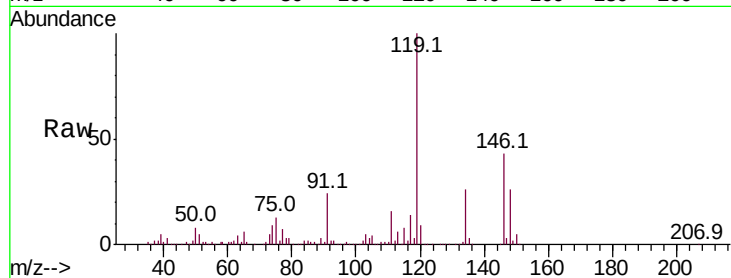
Tot Ion:146 Resp: 352411

Ion Ratio Lower Upper

146 100

111 40.4 21.1 63.3

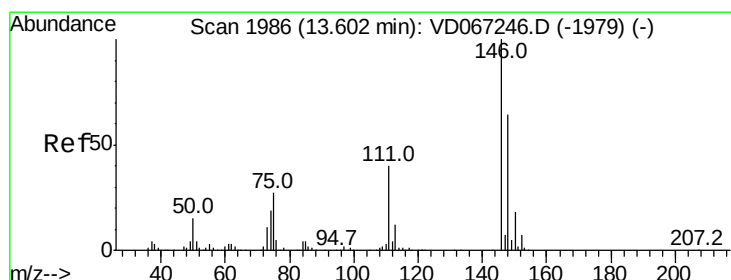
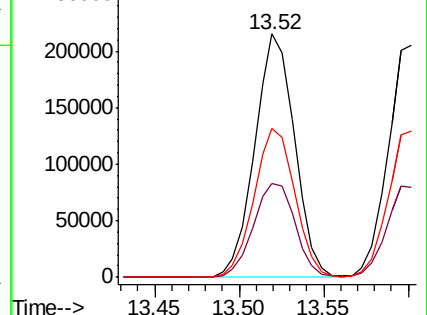
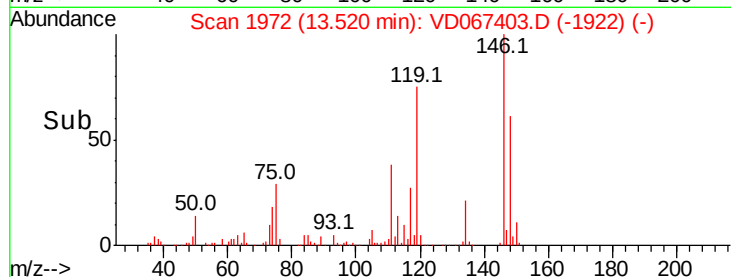
148 62.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.371 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD067403.D

Acq: 27 Oct 2020 11:12

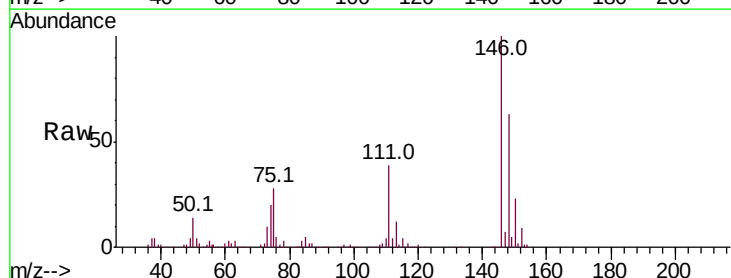
Tgt Ion:146 Resp: 346291

Ion Ratio Lower Upper

146 100

111 40.0 19.9 59.7

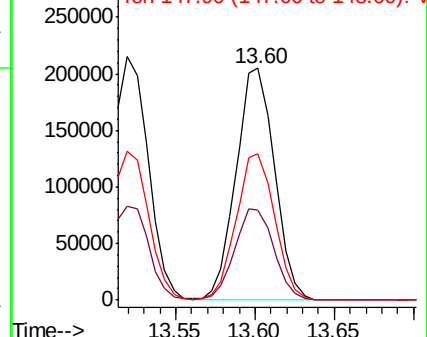
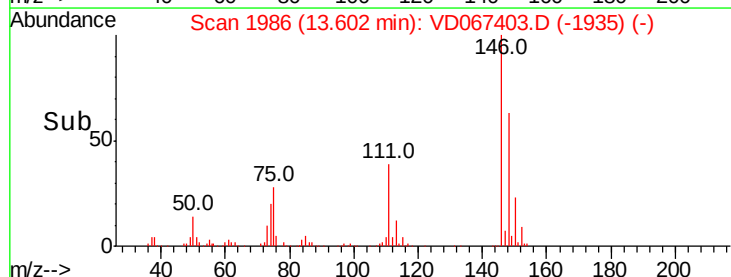
148 63.1 31.9 95.9

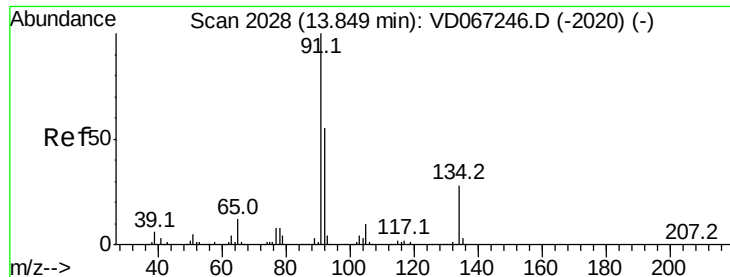


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

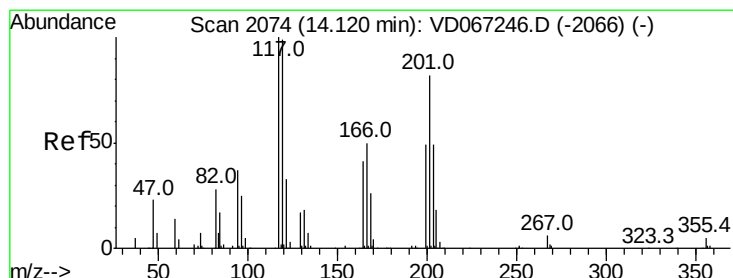
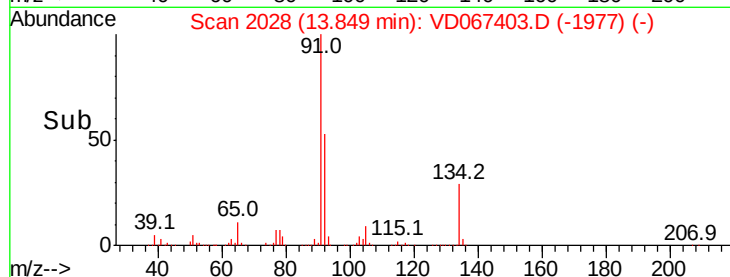
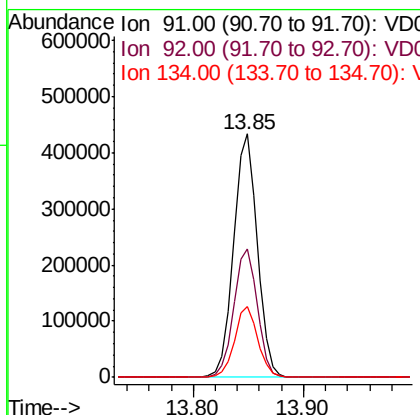
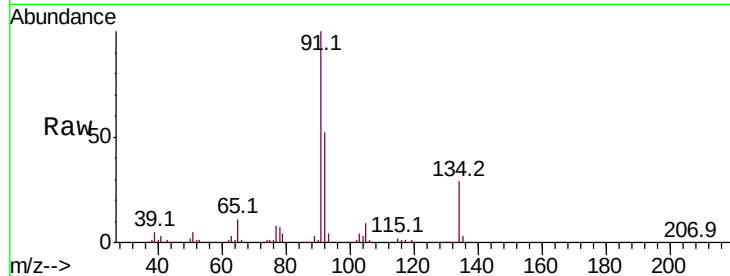




#89
n-Butylbenzene
Concen: 57.057 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

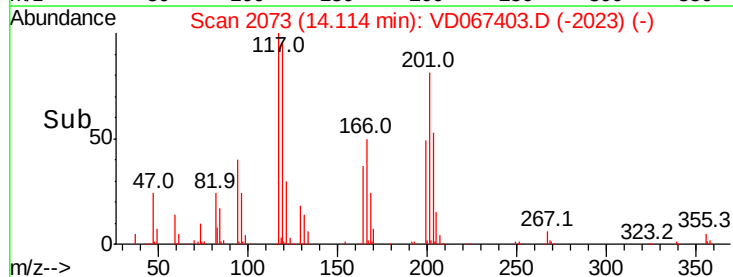
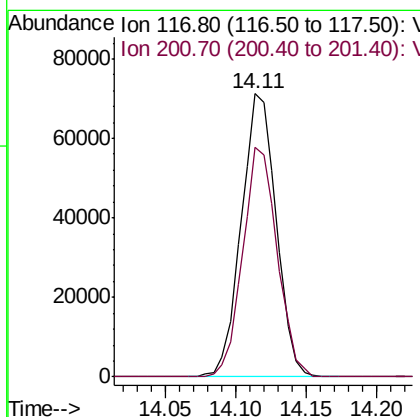
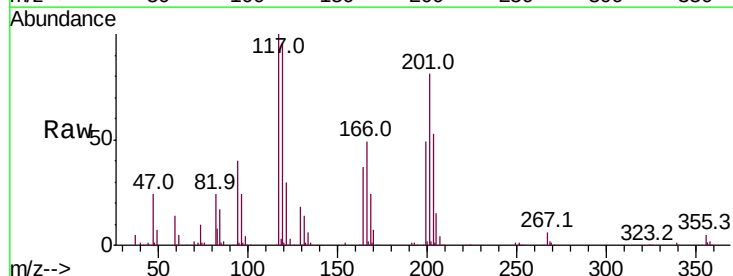
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

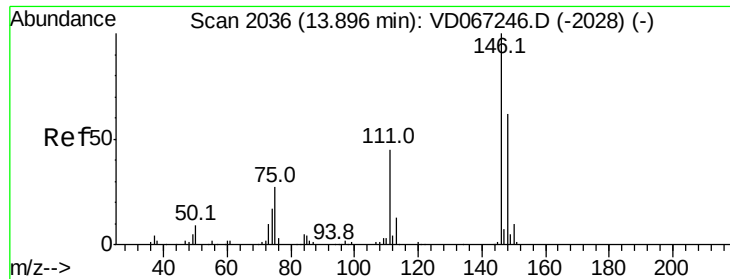
Tot Ion: 91 Resp: 651264
Ion Ratio Lower Upper
91 100
92 52.7 26.7 80.0
134 28.5 14.2 42.6



#90
Hexachloroethane
Concen: 54.387 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion: 117 Resp: 123140
Ion Ratio Lower Upper
117 100
201 80.4 40.8 122.2

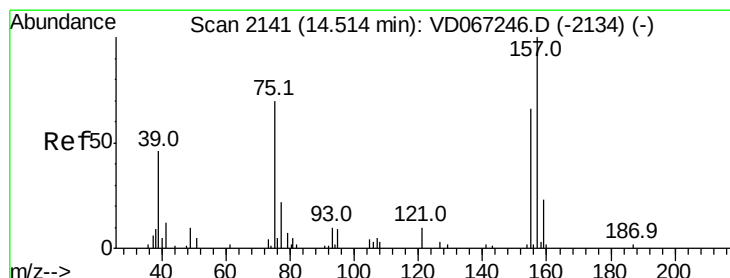
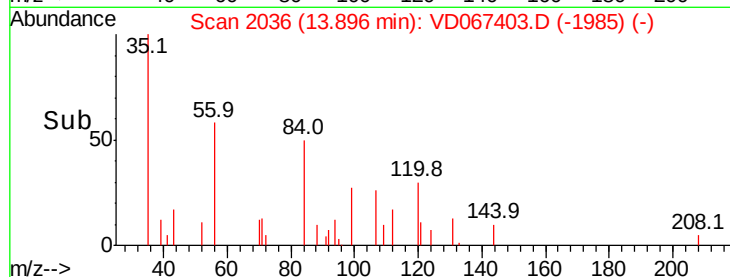
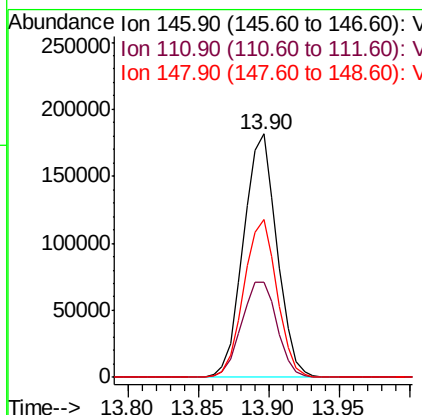
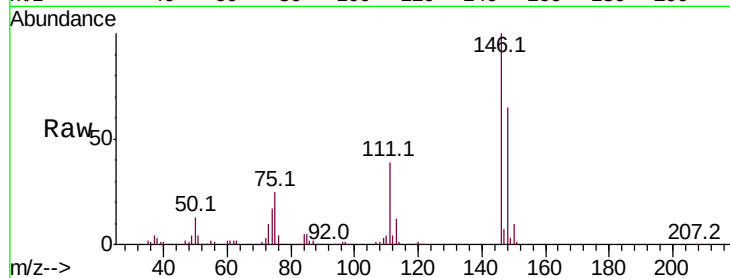




#91
 1,2-Dichlorobenzene
 Concen: 52.774 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

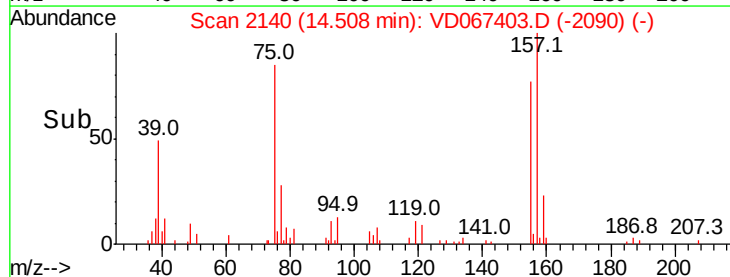
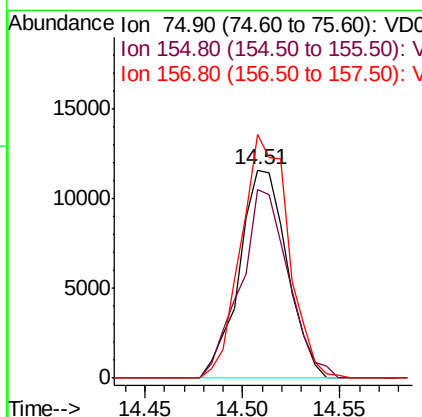
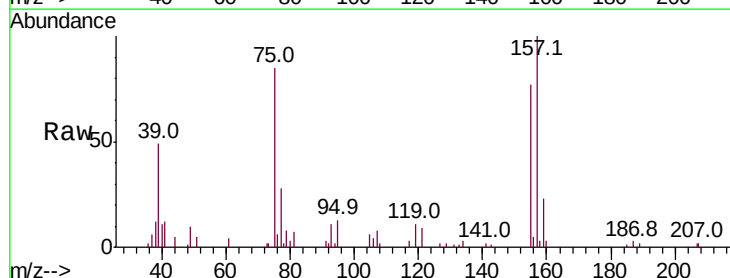
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

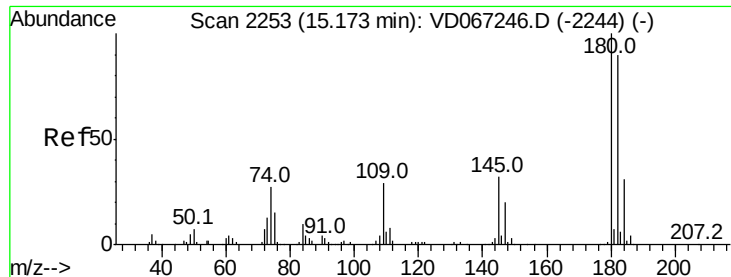
Tot Ion:146 Resp: 301923
 Ion Ratio Lower Upper
 146 100
 111 41.7 22.0 66.0
 148 64.3 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.601 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion: 75 Resp: 19603
 Ion Ratio Lower Upper
 75 100
 155 91.1 44.8 134.4
 157 115.9 62.5 187.4

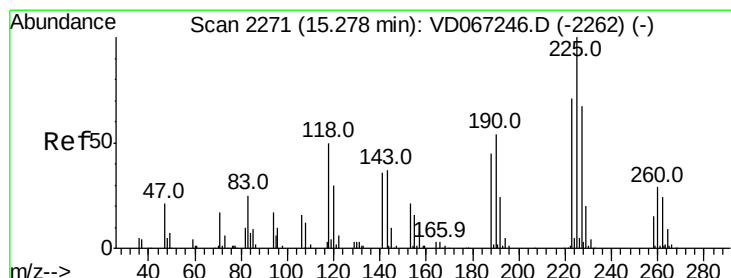
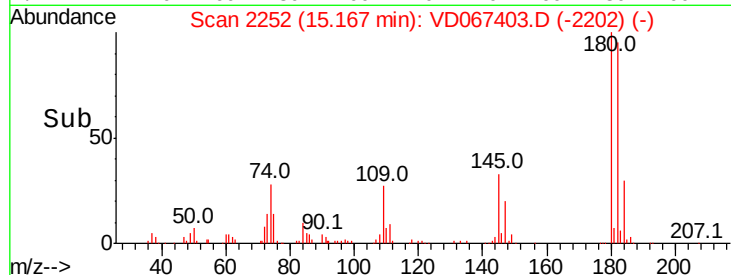
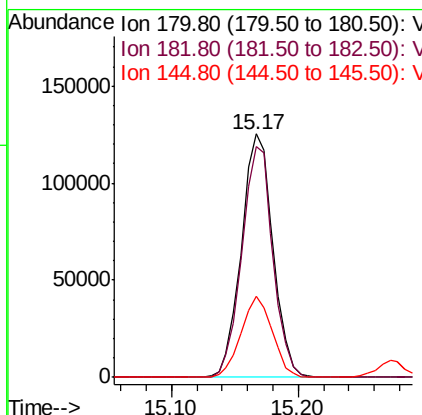
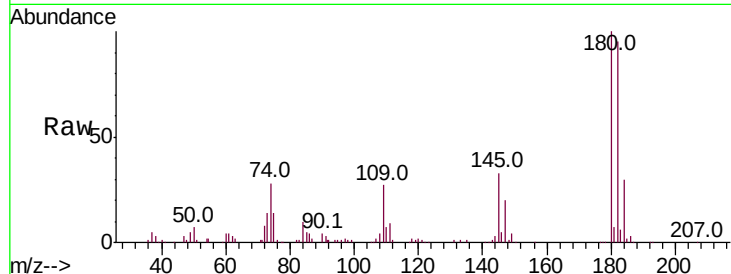




#93
 1,2,4-Trichlorobenzene
 Concen: 55.948 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

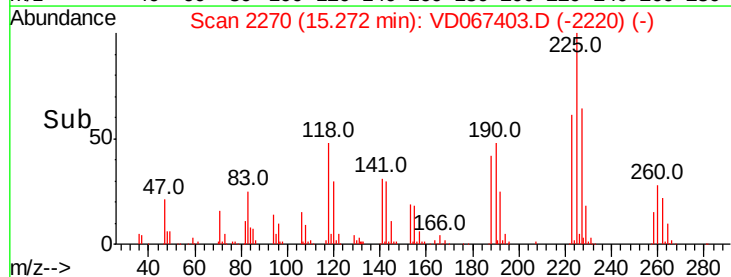
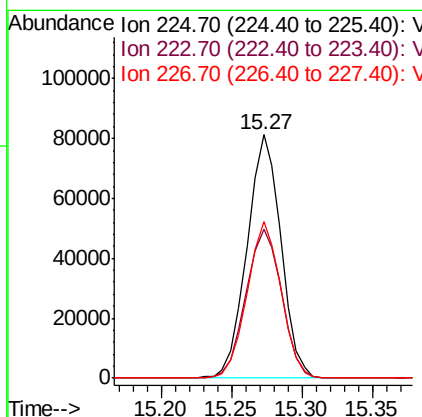
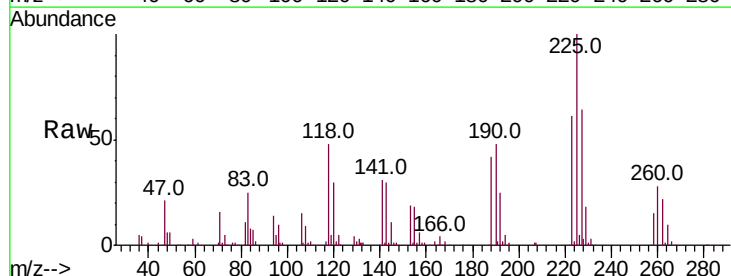
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

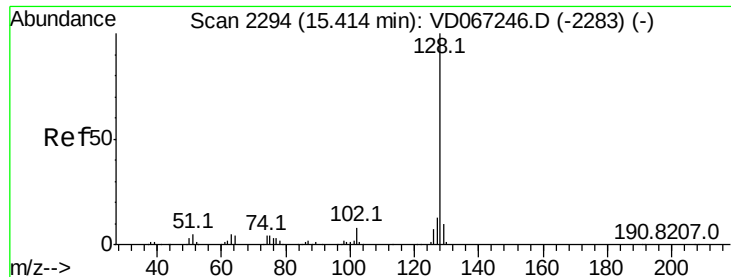
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.1	144.4
145	33.1	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 57.212 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067403.D
 Acq: 27 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.9	95.7
227	64.4	31.2	93.6

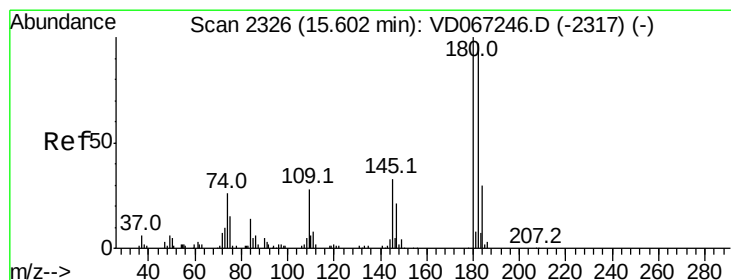
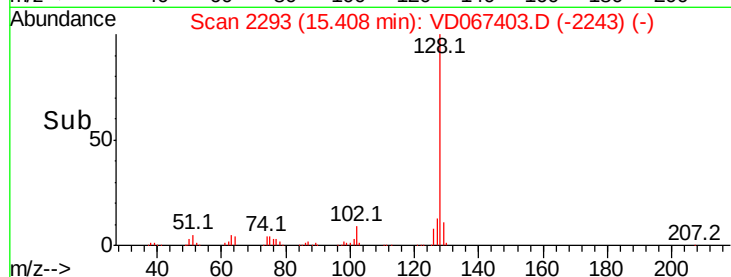
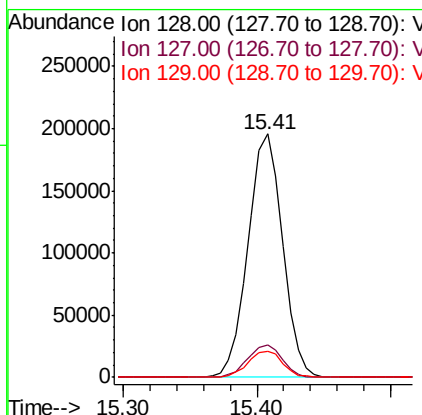
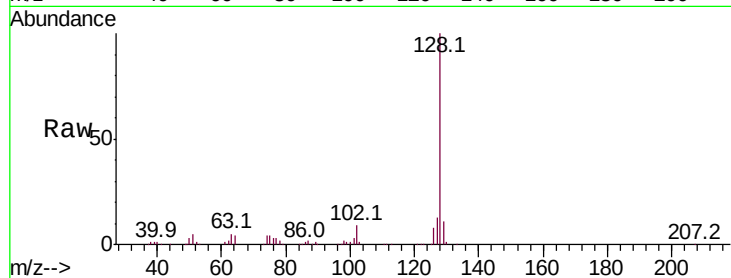




#95
Naphthalene
Concen: 55.106 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 348990
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 56.402 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067403.D
Acq: 27 Oct 2020 11:12

Tgt Ion:180 Resp: 187954
Ion Ratio Lower Upper
180 100
182 92.1 48.1 144.3
145 33.6 17.3 51.9

