

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066665.D
 Acq On : 14 Sep 2020 11:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 01:24:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	401920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	638840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	561739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224249	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.91	113	217224	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.34	98	802592	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.63	95	259446	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	166665	50.235	ug/l 91
3) Chloromethane	2.21	50	204799	40.292	ug/l 97
4) Vinyl Chloride	2.35	62	221105	39.220	ug/l 99
5) Bromomethane	2.77	94	153561	42.394	ug/l 89
6) Chloroethane	2.93	64	137608	38.430	ug/l 100
7) Trichlorofluoromethane	3.27	101	396464	47.606	ug/l 93
8) Diethyl Ether	3.71	74	100041	47.704	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	225149	49.953	ug/l 98
10) Methyl Iodide	4.30	142	214028	51.893	ug/l 98
11) Tert butyl alcohol	5.22	59	71678	232.473	ug/l 98
12) 1,1-Dichloroethene	4.06	96	202679	50.052	ug/l 92
13) Acrolein	3.92	56	48032	241.568	ug/l 96
14) Allyl chloride	4.71	41	328742	49.536	ug/l 98
15) Acrylonitrile	5.42	53	224564	249.273	ug/l 99
16) Acetone	4.16	43	265677	296.929	ug/l 98
17) Carbon Disulfide	4.41	76	618815	46.485	ug/l 98
18) Methyl Acetate	4.71	43	101895	47.773	ug/l 95
19) Methyl tert-butyl Ether	5.48	73	484042	50.974	ug/l 97
20) Methylene Chloride	4.97	84	236423	48.254	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	240873	50.092	ug/l 97
22) Diisopropyl ether	6.36	45	680729	49.880	ug/l 98
23) Vinyl Acetate	6.30	43	1967285	253.312	ug/l 98
24) 1,1-Dichloroethane	6.26	63	422610	49.243	ug/l 98
25) 2-Butanone	7.21	43	309977	258.077	ug/l 97
26) 2,2-Dichloropropane	7.20	77	397279	50.466	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	265184	51.282	ug/l 97
28) Bromochloromethane	7.55	49	156640	47.408	ug/l 96
29) Tetrahydrofuran	7.56	42	179773	240.326	ug/l 98
30) Chloroform	7.71	83	444846	48.995	ug/l 96
31) Cyclohexane	7.98	56	373088	47.028	ug/l 95
32) 1,1,1-Trichloroethane	7.90	97	418237	48.995	ug/l 98
36) 1,1-Dichloropropene	8.11	75	345219	51.925	ug/l 99
37) Ethyl Acetate	7.29	43	129120	48.773	ug/l 99
38) Carbon Tetrachloride	8.09	117	376926	53.638	ug/l 96

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	409229	55.123	ug/l	97
40) Benzene	8.35	78	926046	50.858	ug/l	99
41) Methacrylonitrile	7.56	41	181359	141.523	ug/l #	44
42) 1,2-Dichloroethane	8.42	62	283483	48.051	ug/l	99
43) Isopropyl Acetate	8.45	43	250890	49.452	ug/l	98
44) Trichloroethene	9.11	130	254548	53.295	ug/l	94
45) 1,2-Dichloropropane	9.38	63	230010	50.231	ug/l	94
46) Dibromomethane	9.47	93	124701	49.361	ug/l	97
47) Bromodichloromethane	9.66	83	343790	50.298	ug/l	97
48) Methyl methacrylate	9.45	41	133779	52.148	ug/l	98
49) 1,4-Dioxane	9.45	88	27179	980.630	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	660191	258.024	ug/l	100
52) Toluene	10.40	92	601490	52.185	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	317393	52.603	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	377439	52.090	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	168353	51.829	ug/l	94
56) Ethyl methacrylate	10.66	69	205113	54.233	ug/l	97
57) 1,3-Dichloropropane	10.94	76	289124	50.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	426214	246.382	ug/l	98
59) 2-Hexanone	10.98	43	468434	272.244	ug/l	98
60) Dibromochloromethane	11.14	129	221793	51.636	ug/l	98
61) 1,2-Dibromoethane	11.24	107	160810	50.887	ug/l	99
64) Tetrachloroethene	10.87	164	202527	53.547	ug/l	92
65) Chlorobenzene	11.67	112	611787	52.768	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	228604	51.664	ug/l	96
67) Ethyl Benzene	11.74	91	1151677	54.099	ug/l	98
68) m/p-Xylenes	11.85	106	883675	111.794	ug/l	98
69) o-Xylene	12.18	106	393997	55.618	ug/l	99
70) Styrene	12.20	104	684386	55.571	ug/l	100
71) Bromoform	12.36	173	116375	52.187	ug/l #	98
73) Isopropylbenzene	12.48	105	1099607	55.396	ug/l	98
74) N-amyl acetate	12.29	43	232741	51.769	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	176994	50.472	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	239780	92.995	ug/l #	100
77) Bromobenzene	12.76	156	239037	54.015	ug/l	97
78) n-propylbenzene	12.82	91	1330061	55.274	ug/l	99
79) 2-Chlorotoluene	12.91	91	720520	53.375	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	913752	54.693	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	59924	54.259	ug/l	94
82) 4-Chlorotoluene	13.00	91	781307	54.123	ug/l	100
83) tert-Butylbenzene	13.23	119	774722	56.785	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	909852	54.699	ug/l	99
85) sec-Butylbenzene	13.40	105	1104089	56.170	ug/l	100
86) p-Isopropyltoluene	13.52	119	1002730	56.678	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	459197	52.267	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	456439	51.762	ug/l	98
89) n-Butylbenzene	13.84	91	959608	55.661	ug/l	99
90) Hexachloroethane	14.11	117	195540	51.296	ug/l	92
91) 1,2-Dichlorobenzene	13.89	146	395074	51.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28440	47.741	ug/l	96

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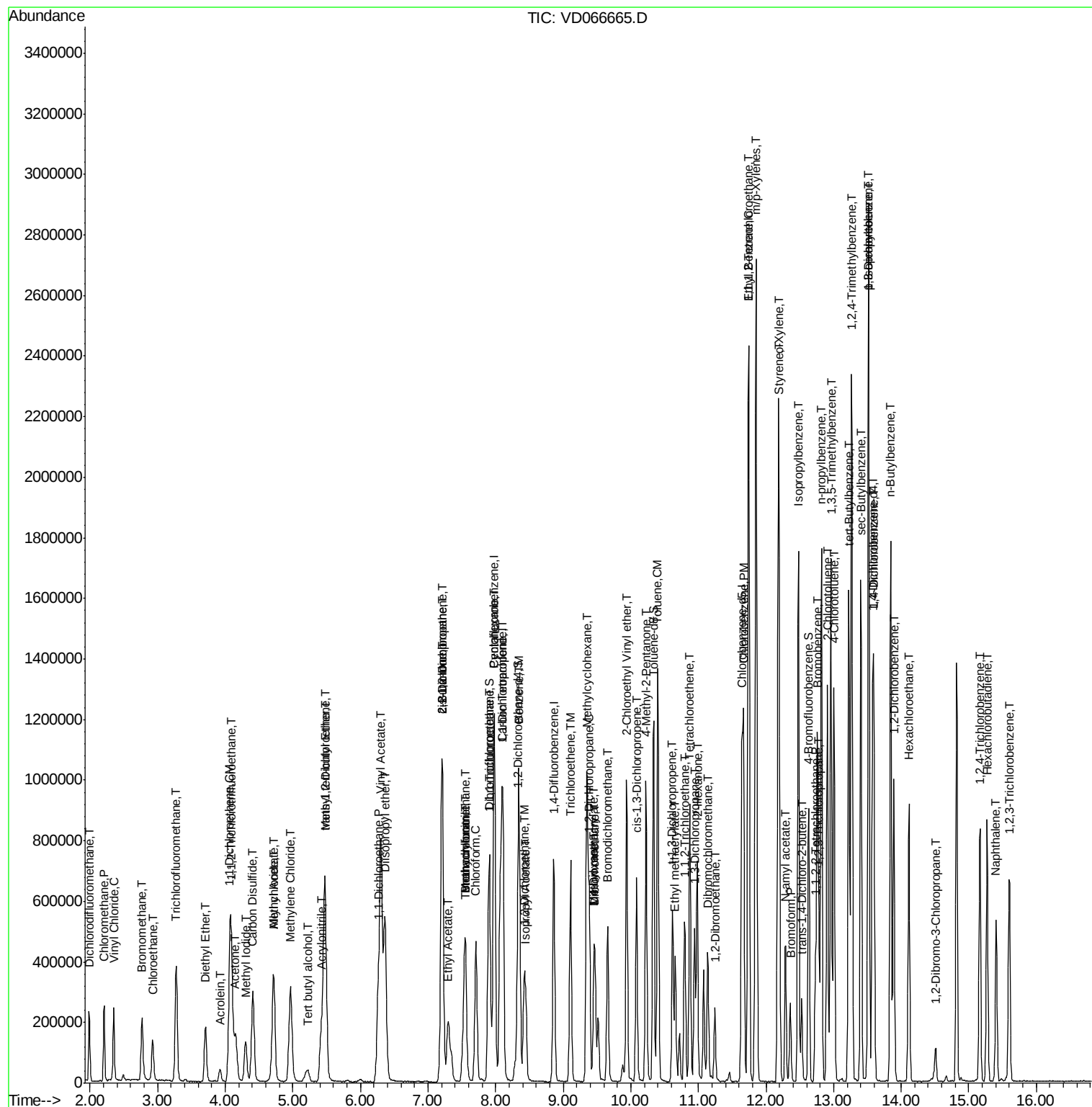
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	259105	56.222	ug/l	97
94) Hexachlorobutadiene	15.27	225	150229	54.259	ug/l	96
95) Naphthalene	15.41	128	460095	57.131	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	223881	56.980	ug/l	98

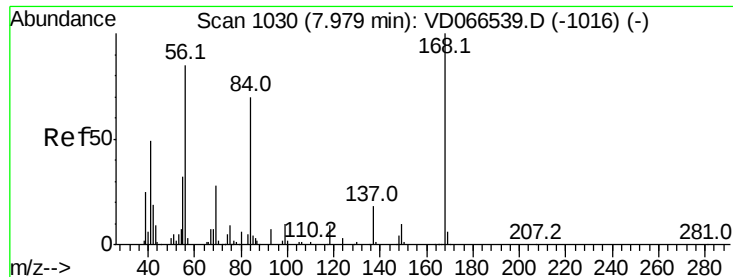
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

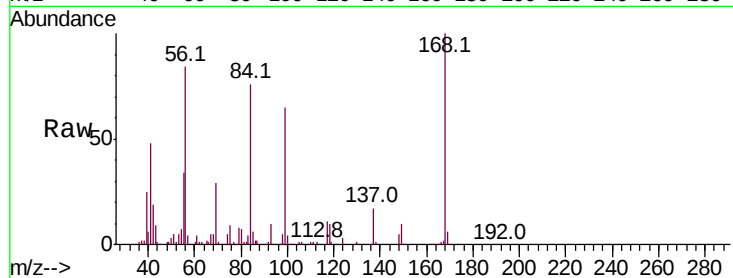
ClientSampleId :

Tot Ion:168 Resp: 401920

Ion Ratio Lower Upper

168 100

99 64.5 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

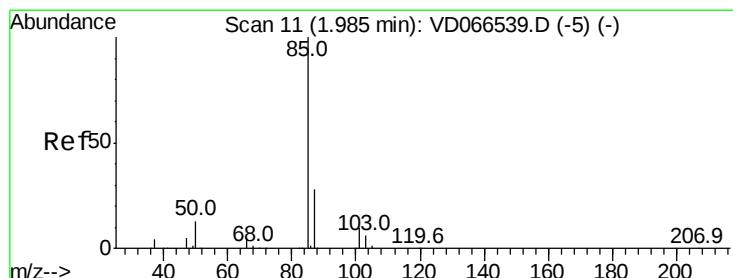
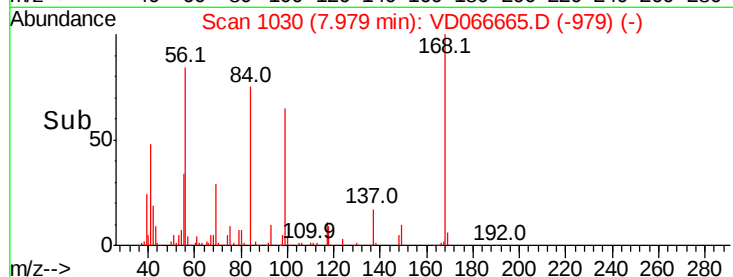
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 50.235 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066665.D

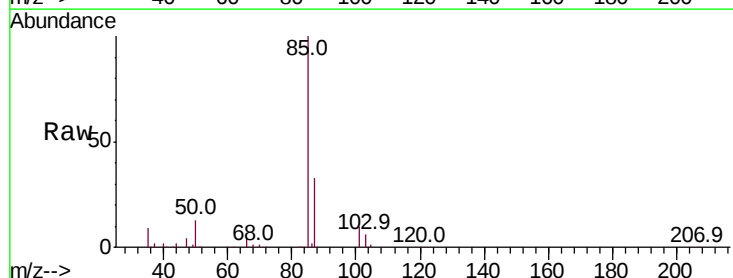
Acq: 14 Sep 2020 11:31

Tgt Ion: 85 Resp: 166665

Ion Ratio Lower Upper

85 100

87 33.3 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

50000

0

1.90

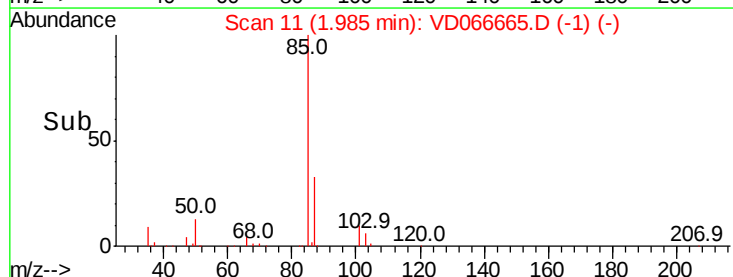
1.95

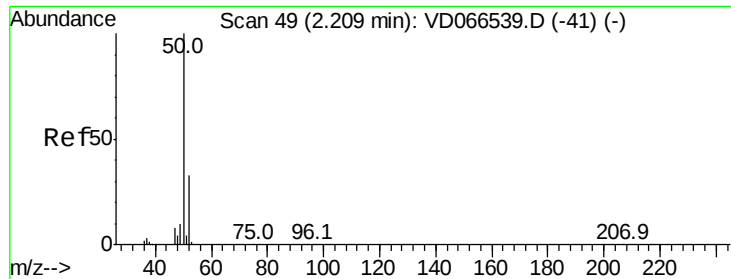
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 40.292 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

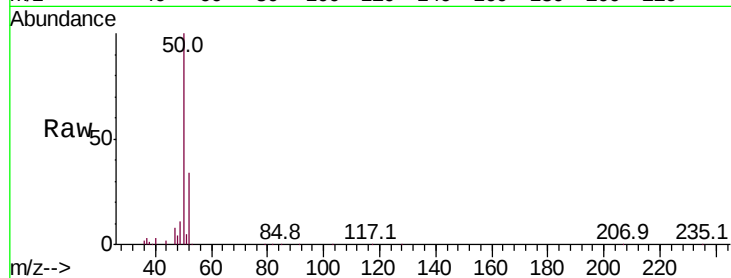
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 204799

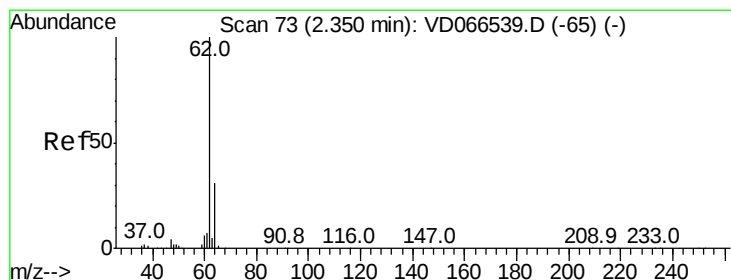
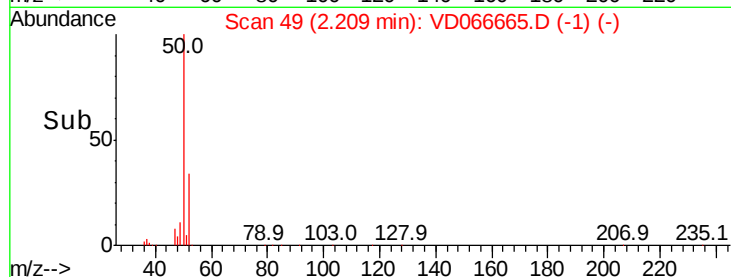
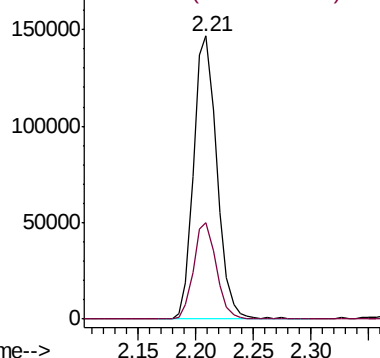
Ion Ratio Lower Upper

50 100

52 34.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 39.220 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066665.D

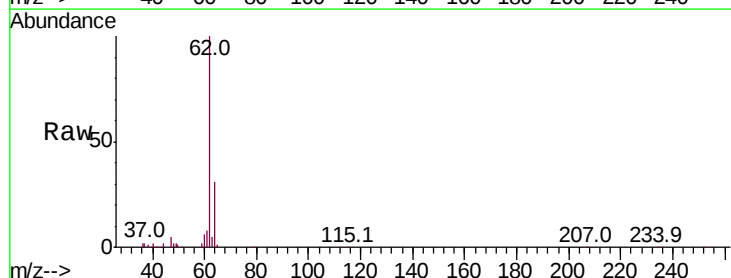
Acq: 14 Sep 2020 11:31

Tgt Ion: 62 Resp: 221105

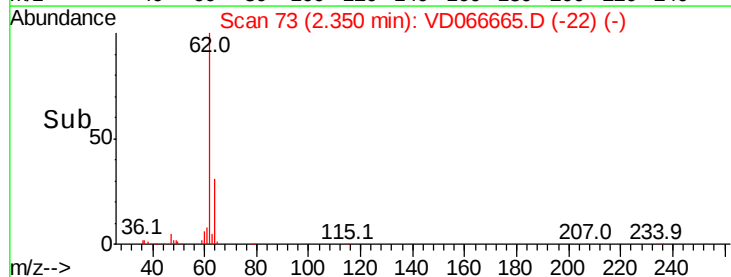
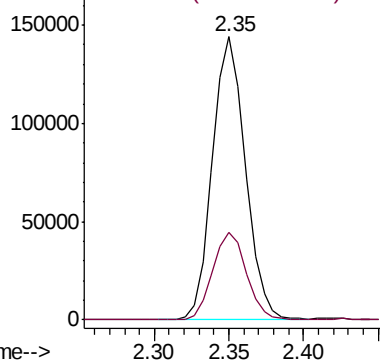
Ion Ratio Lower Upper

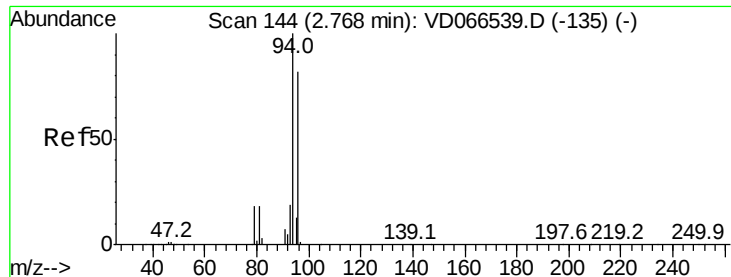
62 100

64 31.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 42.394 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

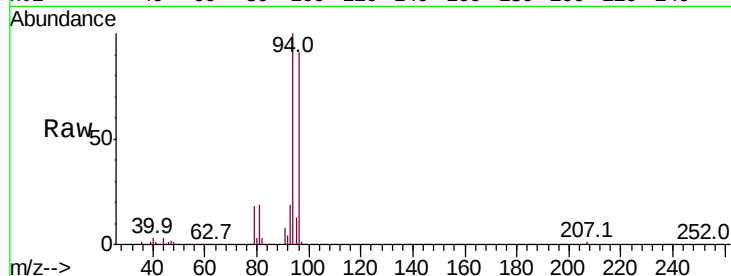
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 153561

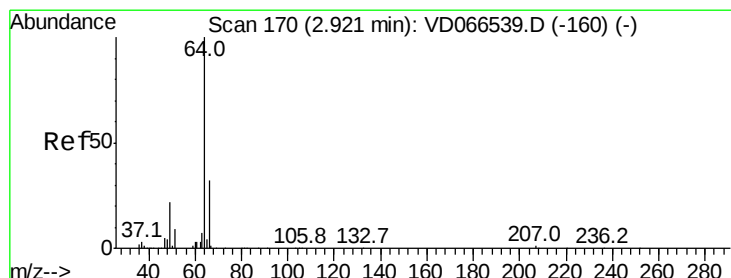
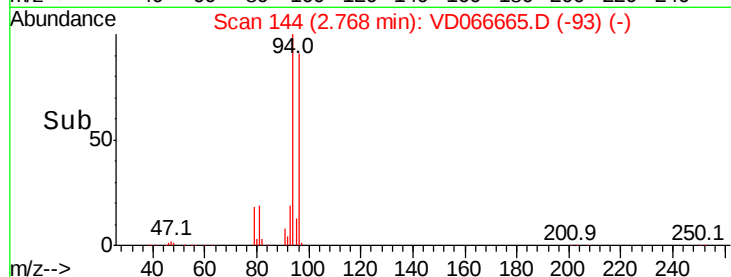
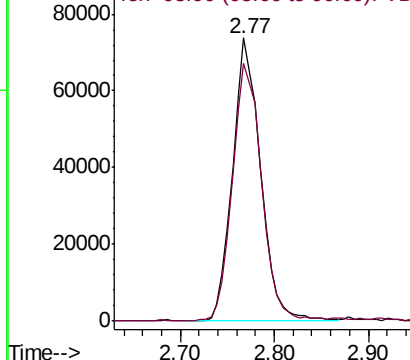
Ion Ratio Lower Upper

94 100

96 91.0 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 38.430 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066665.D

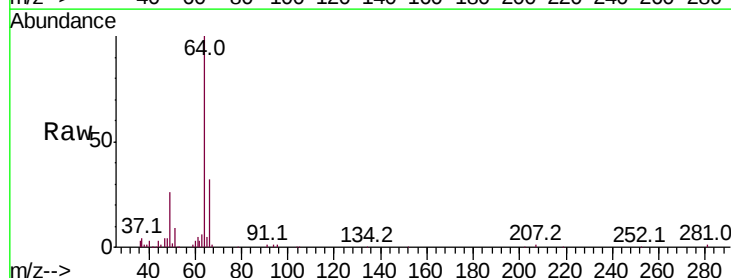
Acq: 14 Sep 2020 11:31

Tgt Ion: 64 Resp: 137608

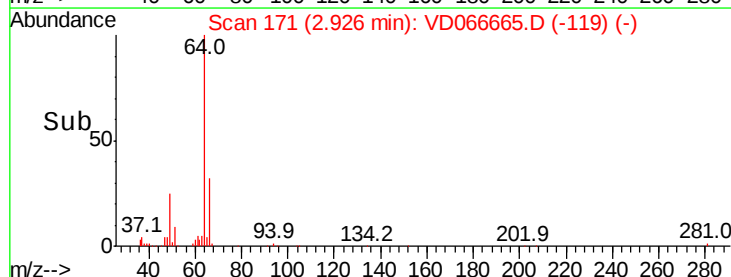
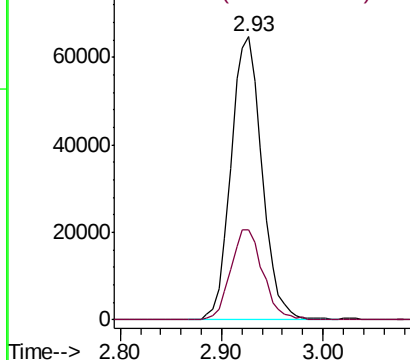
Ion Ratio Lower Upper

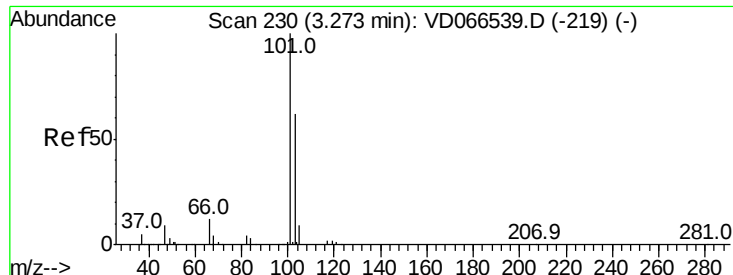
64 100

66 31.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



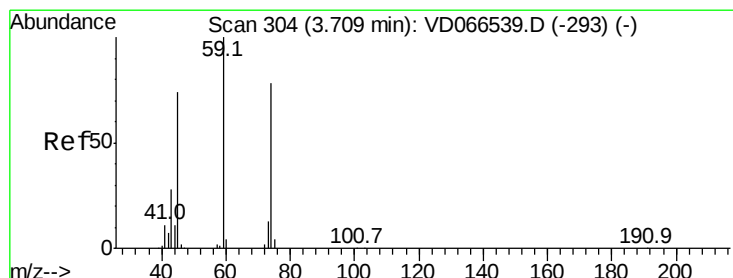
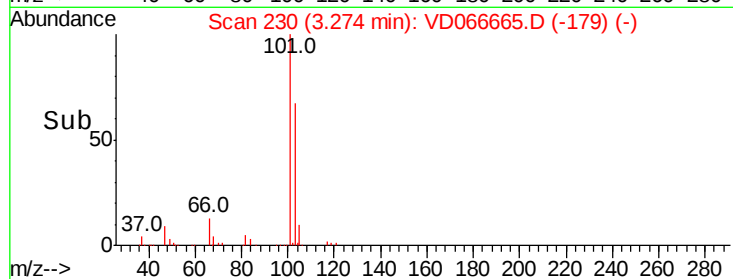
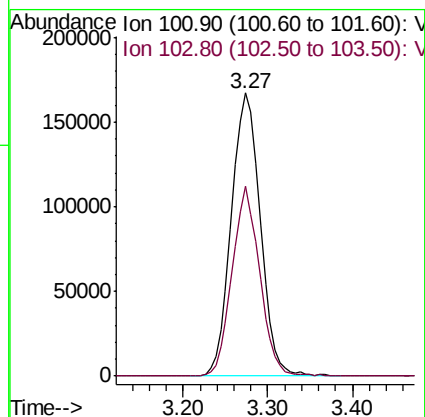
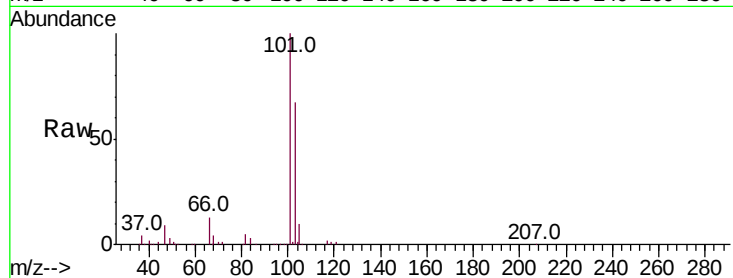


#7

Trichlorofluoromethane
 Concen: 47.606 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :

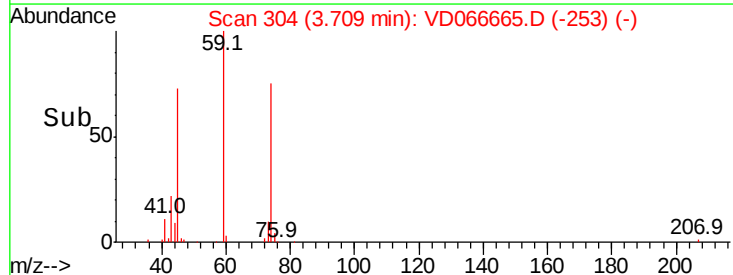
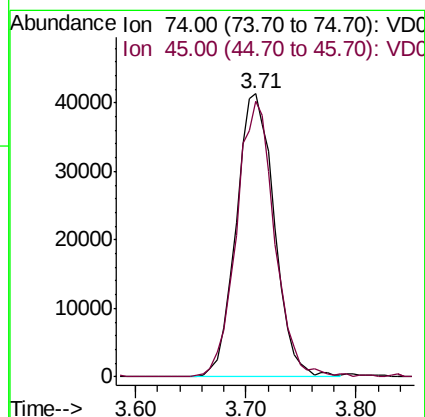
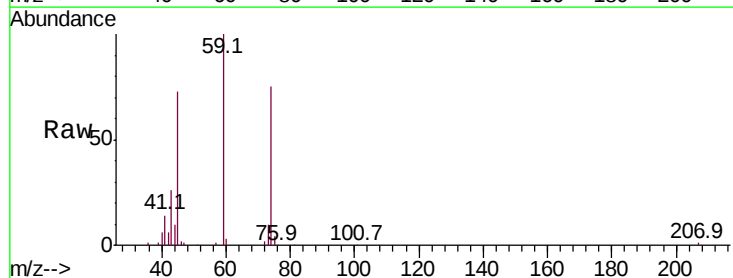
Tot Ion:101 Resp: 396464
 Ion Ratio Lower Upper
 101 100
 103 67.2 49.7 74.5

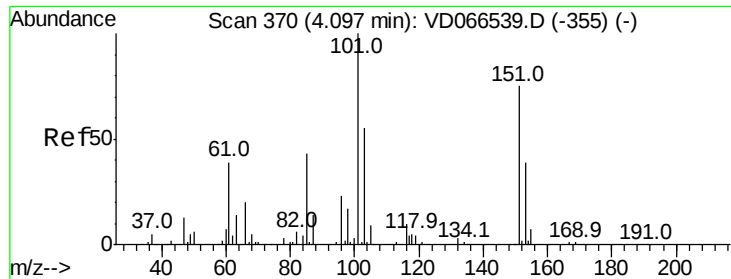


#8

Diethyl Ether
 Concen: 47.704 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

Tgt Ion: 74 Resp: 100041
 Ion Ratio Lower Upper
 74 100
 45 97.2 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.953 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

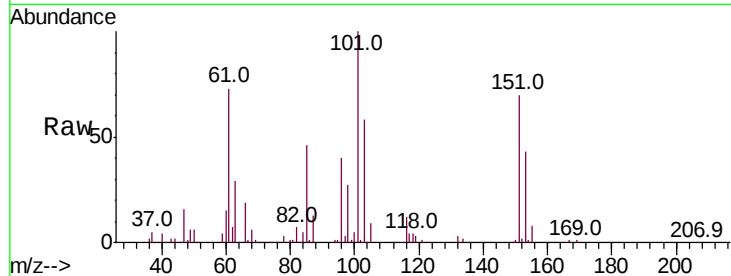
Tot Ion:101 Resp: 225149

Ion Ratio Lower Upper

101 100

85 45.2 37.0 55.6

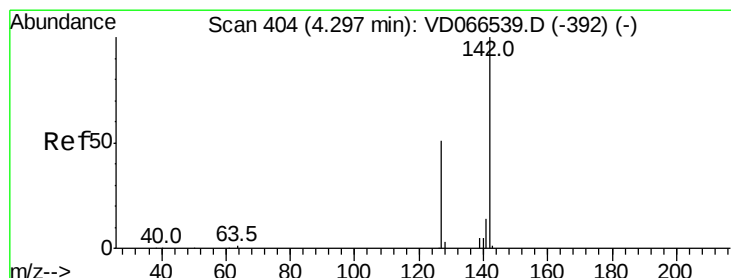
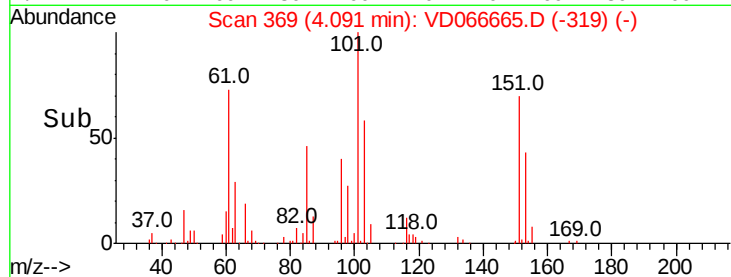
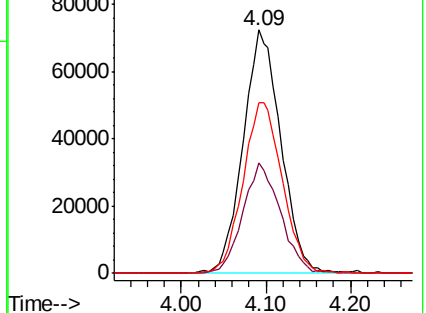
151 72.8 59.4 89.2



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: 51.893 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

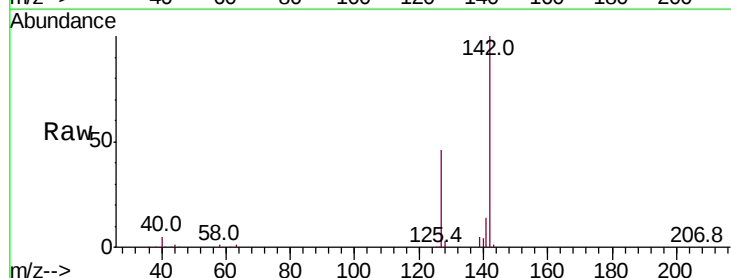
Tgt Ion:142 Resp: 214028

Ion Ratio Lower Upper

142 100

127 48.7 40.6 61.0

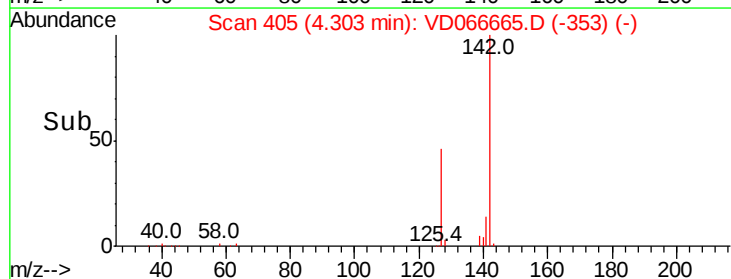
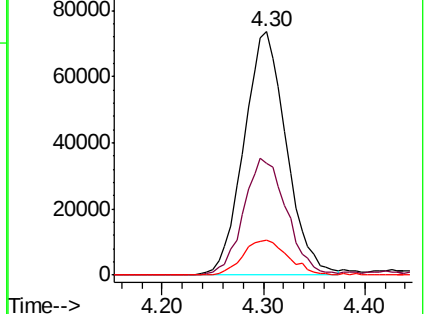
141 15.2 12.2 18.4

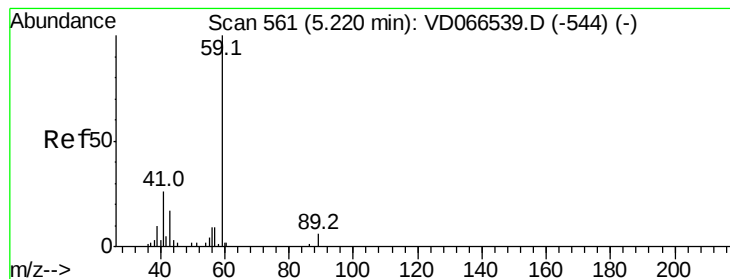


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 232.473 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

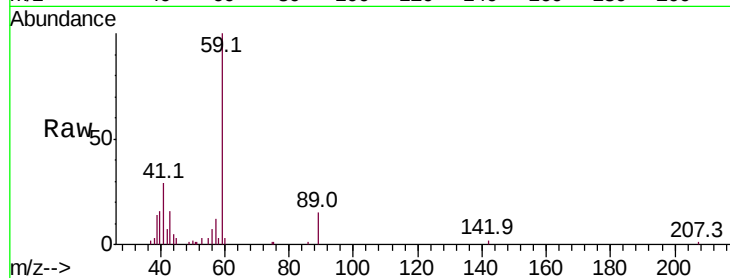
ClientSampleId :

Tot Ion: 59 Resp: 71678

Ion Ratio Lower Upper

59 100

57 8.8 7.6 11.4



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

20000

15000

10000

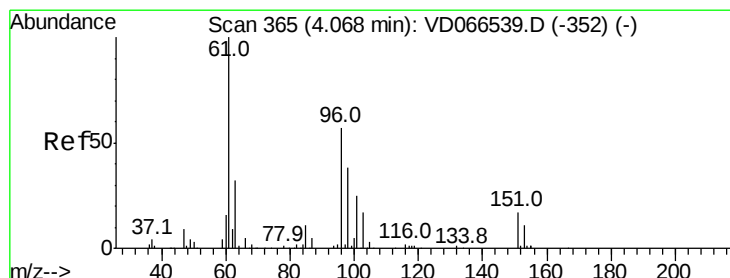
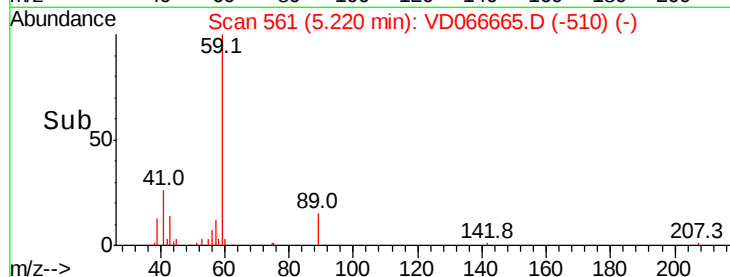
5000

0

Time-->

5.10 5.20 5.30

5.22



#12

1,1-Dichloroethene

Concen: 50.052 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

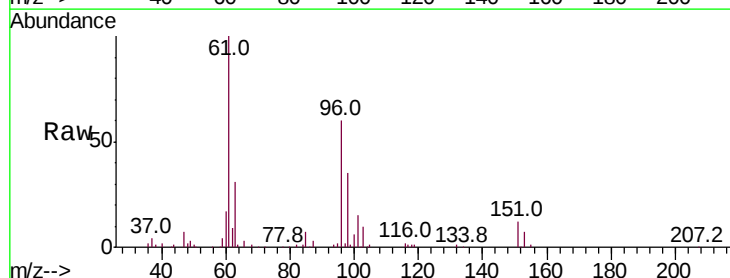
Tgt Ion: 96 Resp: 202679

Ion Ratio Lower Upper

96 100

61 166.0 140.9 211.3

98 58.2 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

150000

100000

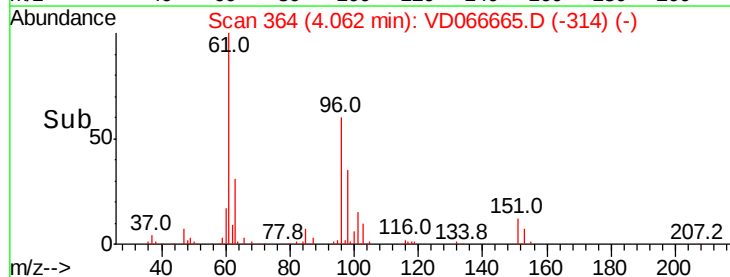
50000

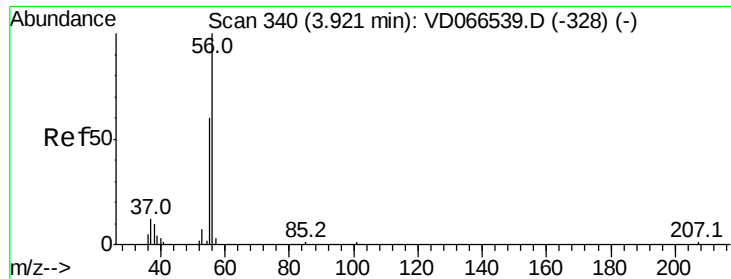
0

Time-->

3.90 4.00 4.10 4.20

4.06

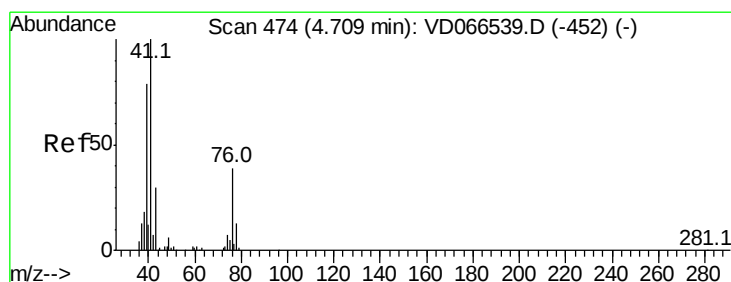
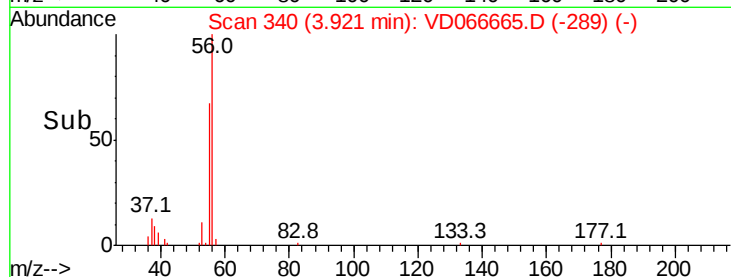
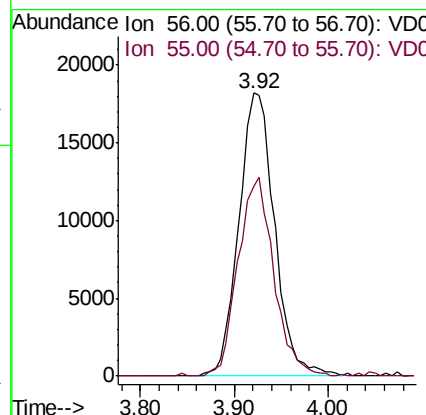
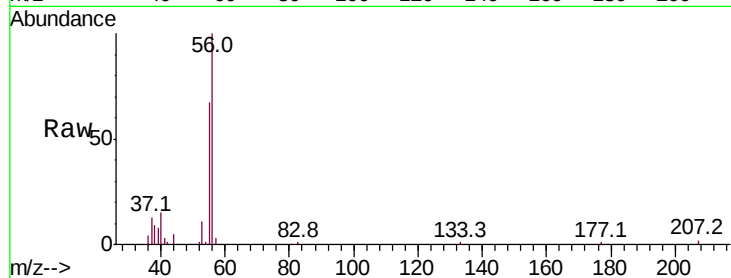




#13
Acrolein
Concen: 241.568 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

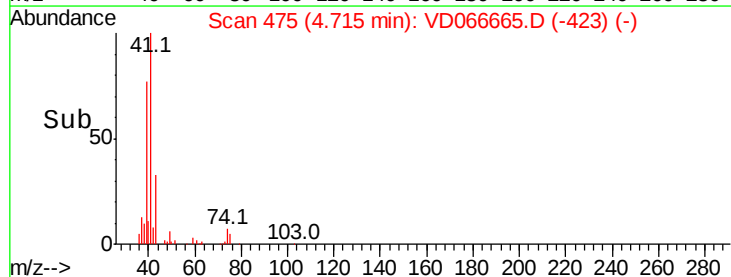
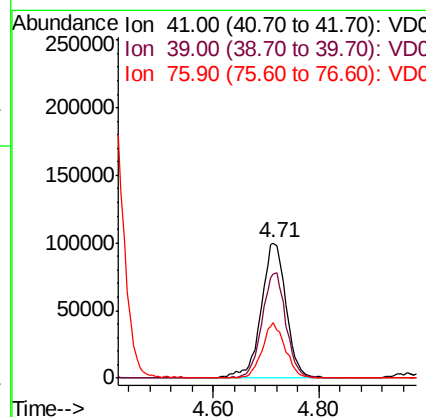
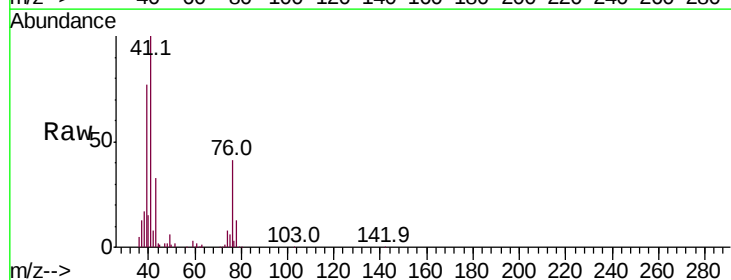
Instrument :
MSVOA_D
ClientSampleId :

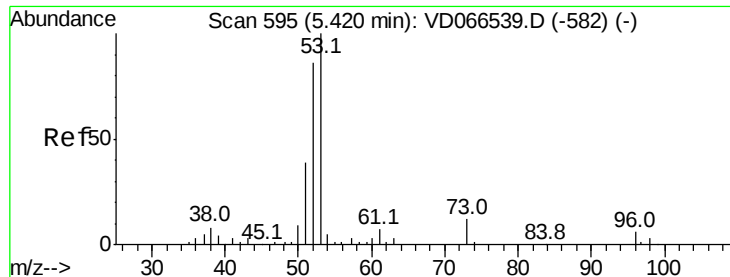
Tot Ion: 56 Resp: 48032
Ion Ratio Lower Upper
56 100
55 70.2 53.6 80.4



#14
Allyl chloride
Concen: 49.536 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion: 41 Resp: 328742
Ion Ratio Lower Upper
41 100
39 74.6 61.9 92.9
76 36.6 29.0 43.6





#15

Acrylonitrile

Concen: 249.273 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

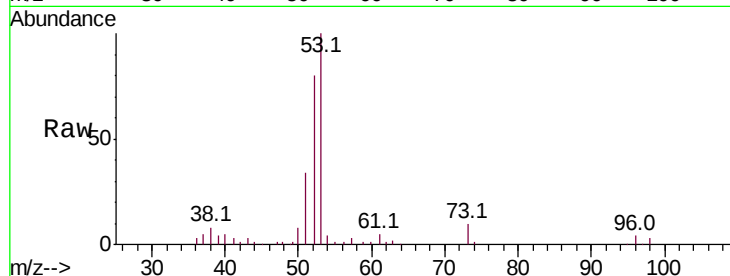
Tot Ion: 53 Resp: 224564

Ion Ratio Lower Upper

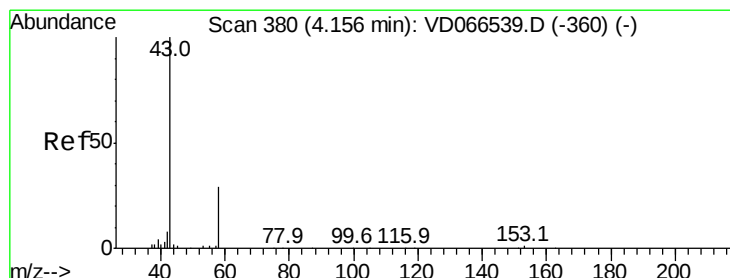
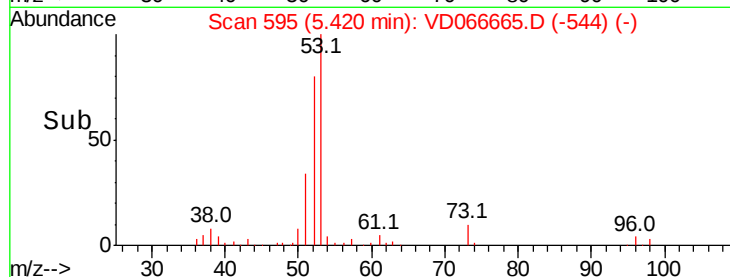
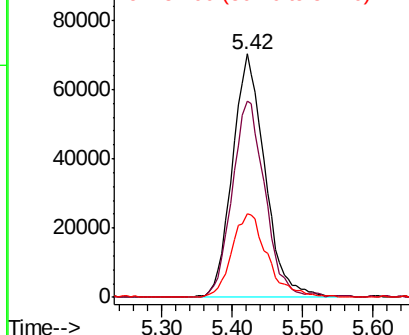
53 100

52 80.8 65.4 98.2

51 37.7 31.2 46.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 296.929 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066665.D

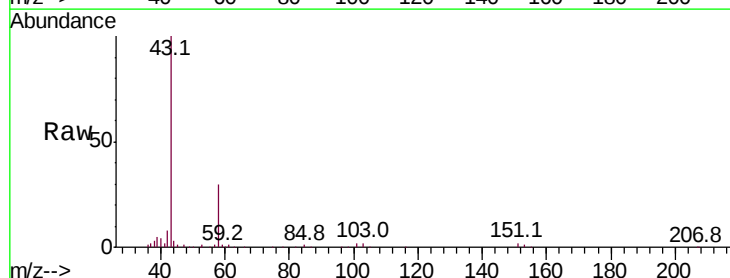
Acq: 14 Sep 2020 11:31

Tgt Ion: 43 Resp: 265677

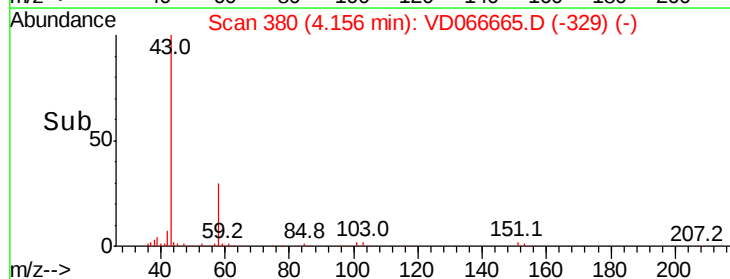
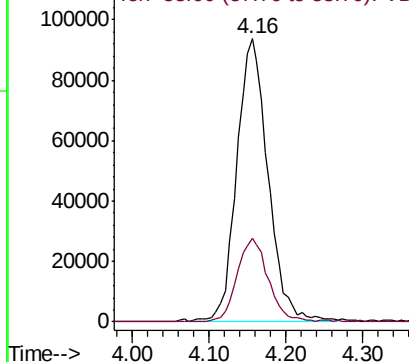
Ion Ratio Lower Upper

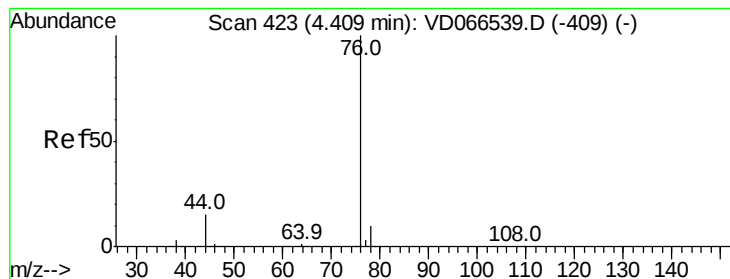
43 100

58 29.6 22.9 34.3



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





#17

Carbon Disulfide

Concen: 46.485 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

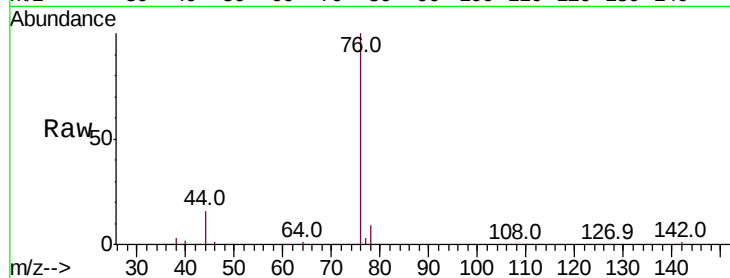
ClientSampleId :

Tot Ion: 76 Resp: 618815

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

250000

200000

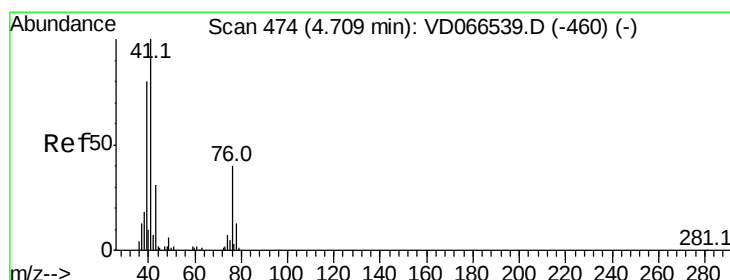
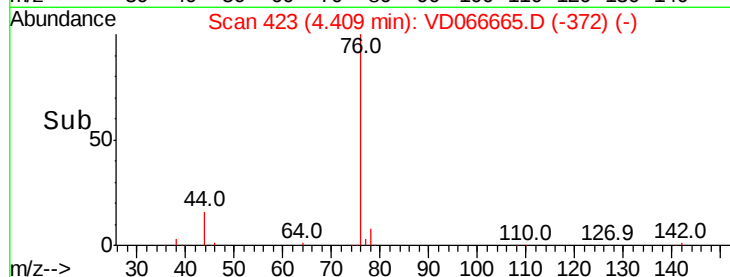
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.773 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066665.D

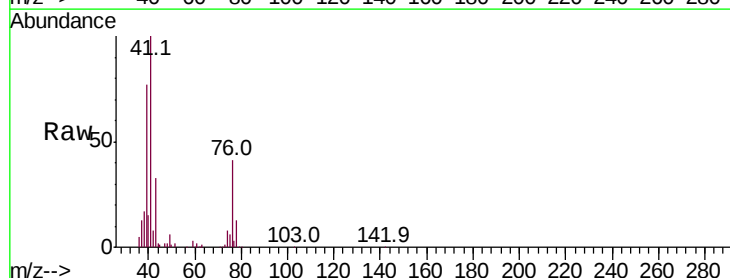
Acq: 14 Sep 2020 11:31

Tgt Ion: 43 Resp: 101895

Ion Ratio Lower Upper

43 100

74 24.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

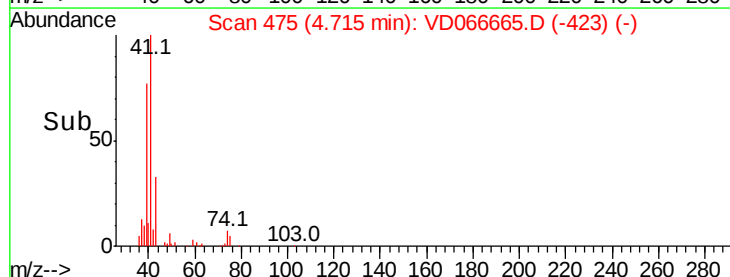
30000

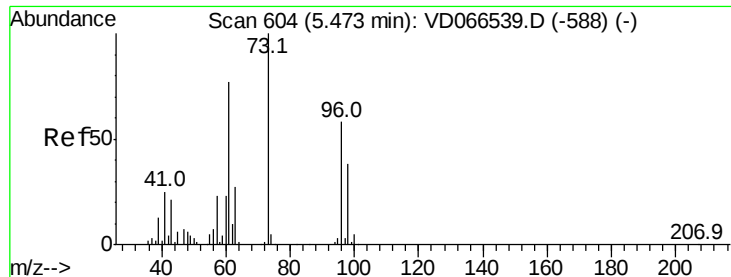
20000

10000

0

Time-->

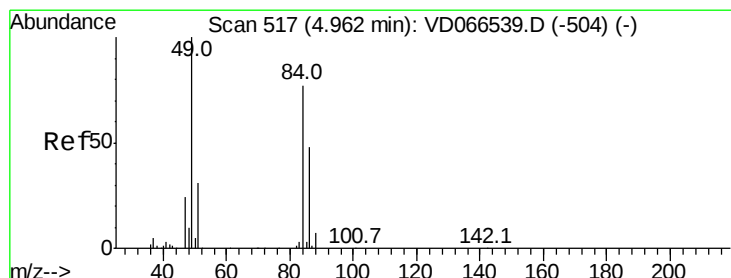
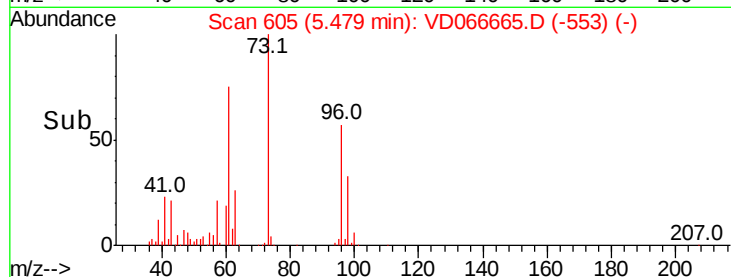
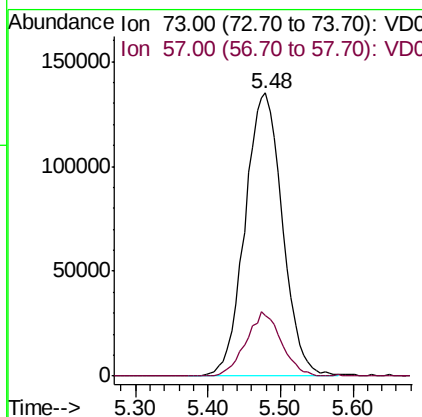
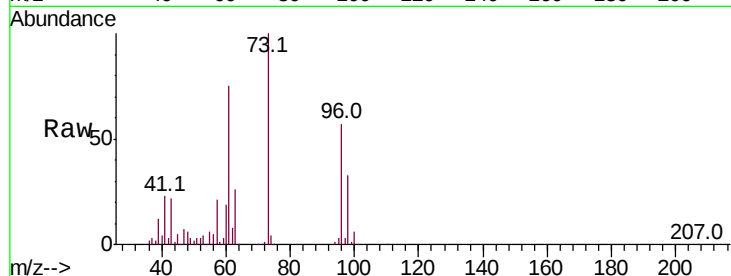




#19
Methvl tert-butvl Ether
Concen: 50.974 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

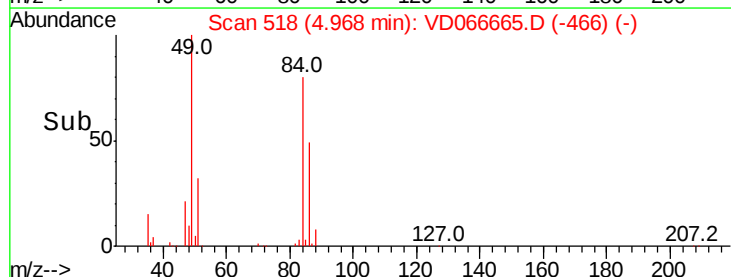
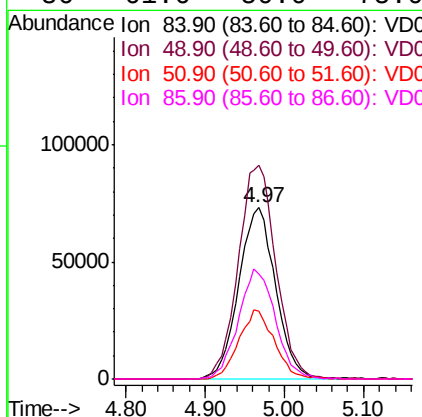
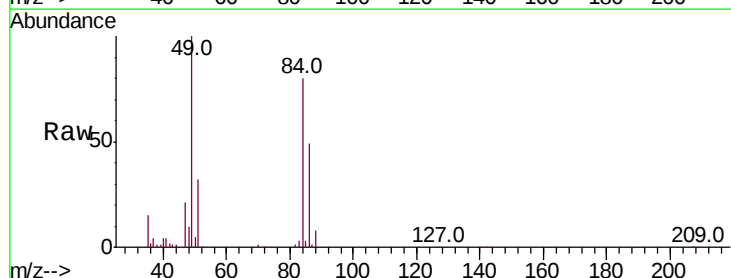
Instrument :
MSVOA_D
ClientSampleId :

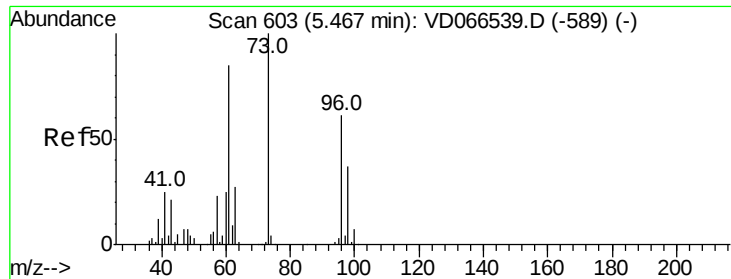
Tot Ion: 73 Resp: 484042
Ion Ratio Lower Upper
73 100
57 21.2 18.3 27.5



#20
Methylene Chloride
Concen: 48.254 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion: 84 Resp: 236423
Ion Ratio Lower Upper
84 100
49 124.9 104.3 156.5
51 39.6 32.2 48.4
86 61.6 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 50.092 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampled :

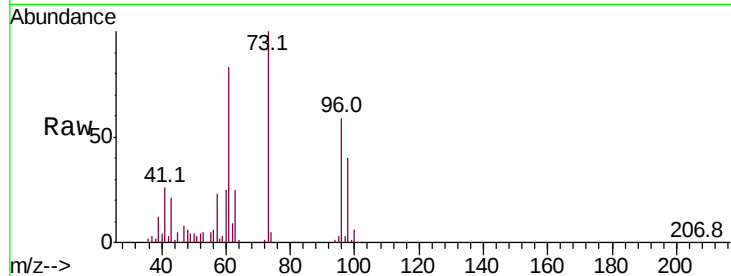
Tot Ion: 96 Resp: 240873

Ion Ratio Lower Upper

96 100

61 140.5 112.1 168.1

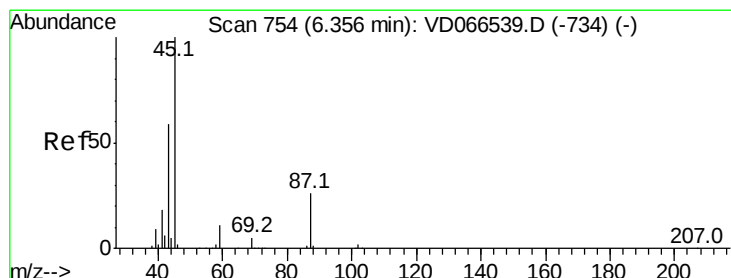
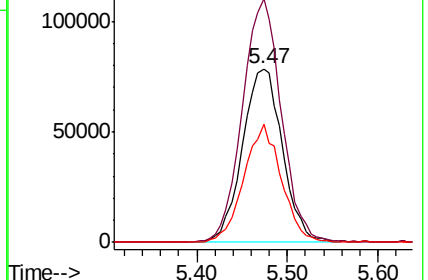
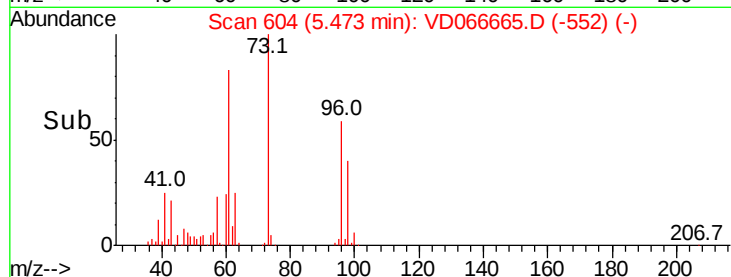
98 68.2 48.6 72.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 49.880 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Tgt Ion: 45 Resp: 680729

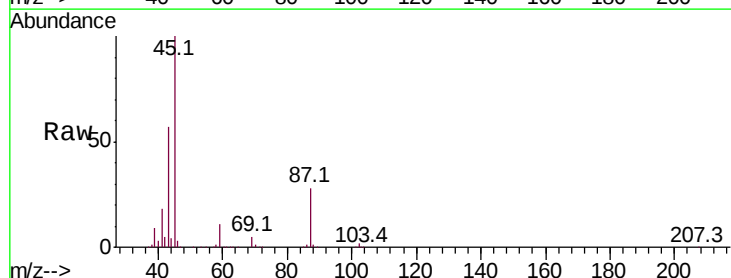
Ion Ratio Lower Upper

45 100

43 57.0 47.0 70.4

87 27.7 21.3 31.9

59 11.0 8.7 13.1

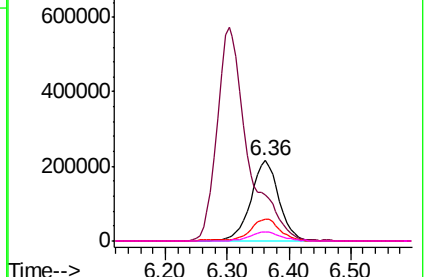
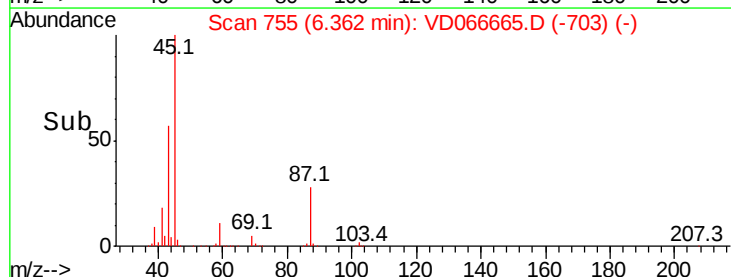


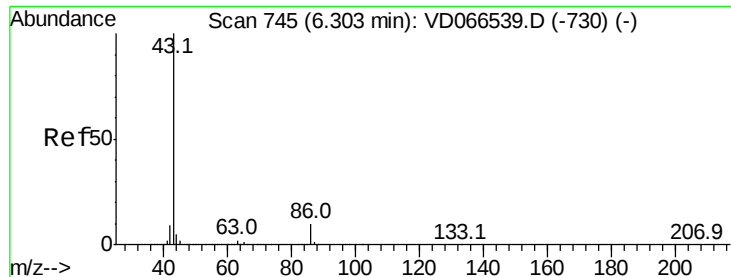
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 253.312 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

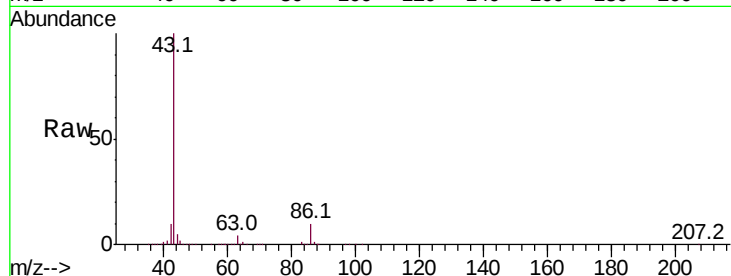
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1967285

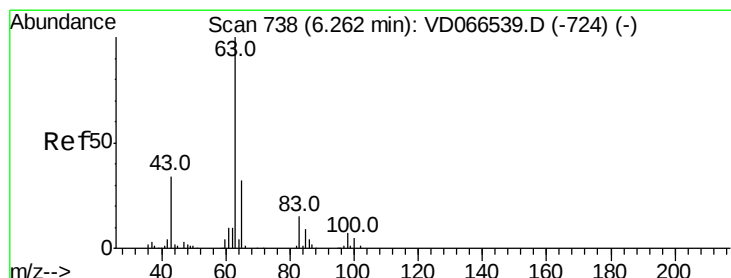
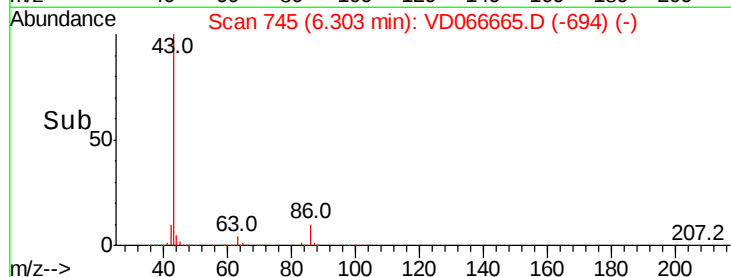
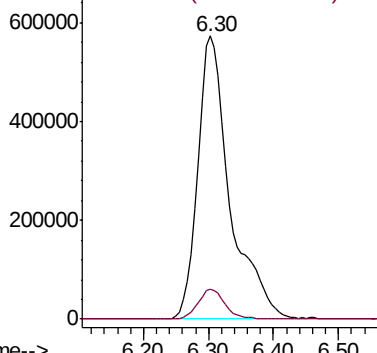
Ion Ratio Lower Upper

43 100

86 10.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.243 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

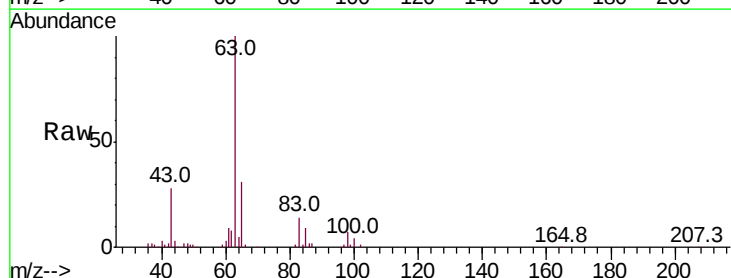
Tgt Ion: 63 Resp: 422610

Ion Ratio Lower Upper

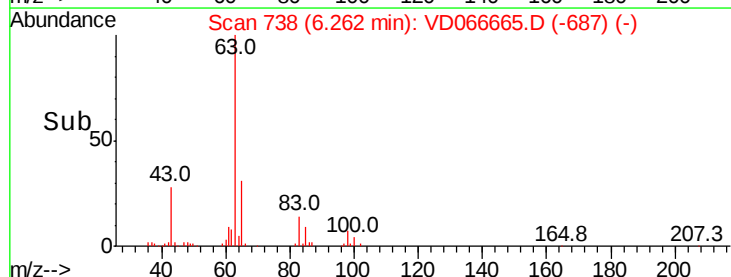
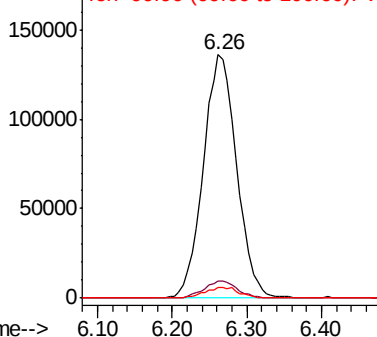
63 100

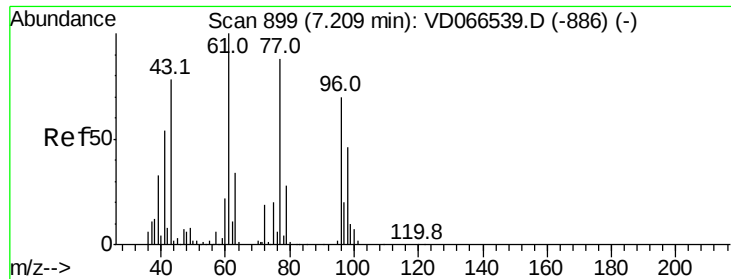
98 7.2 3.4 10.1

100 4.3 2.5 7.4



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

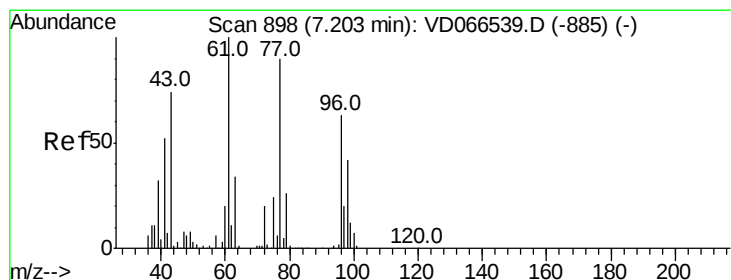
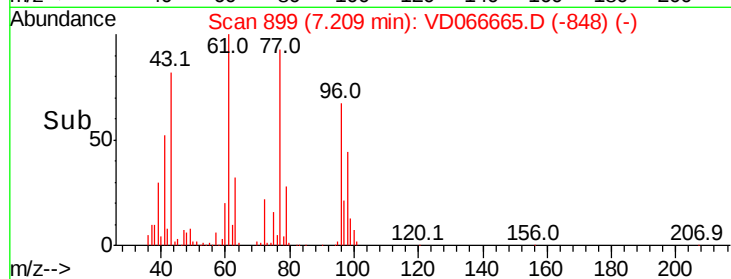
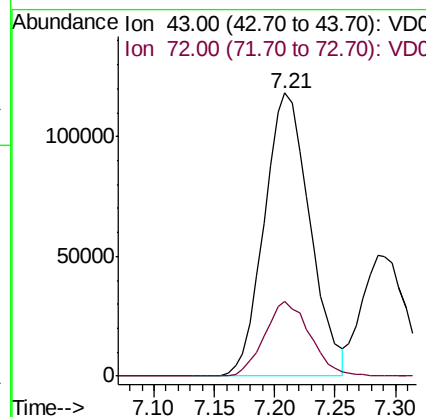
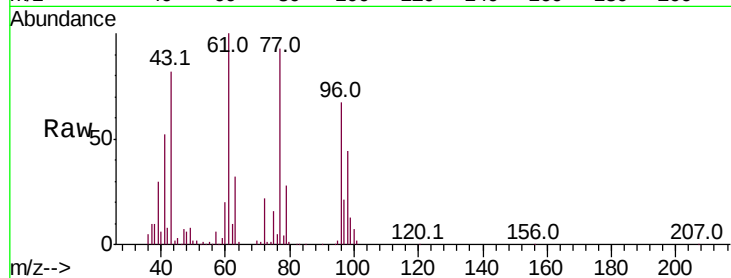




#25
2-Butanone
Concen: 258.077 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

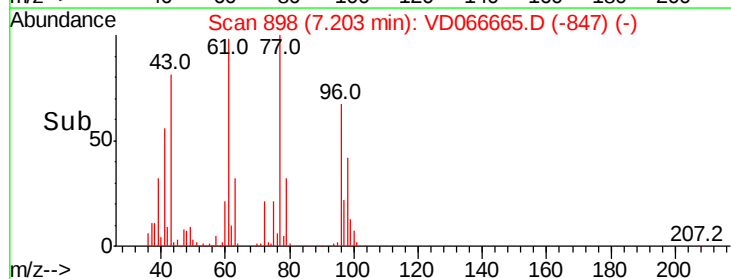
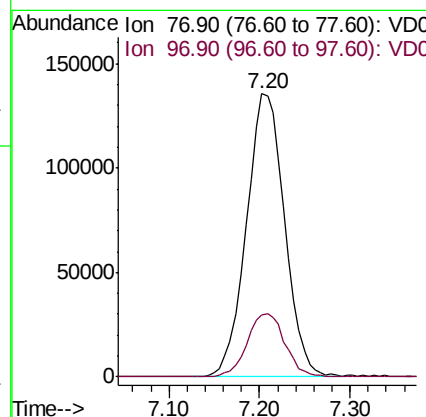
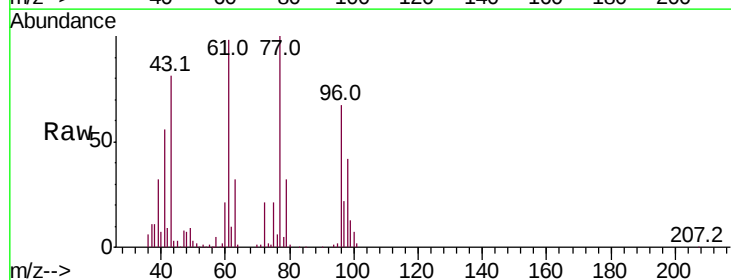
Instrument :
MSVOA_D
ClientSampleId :

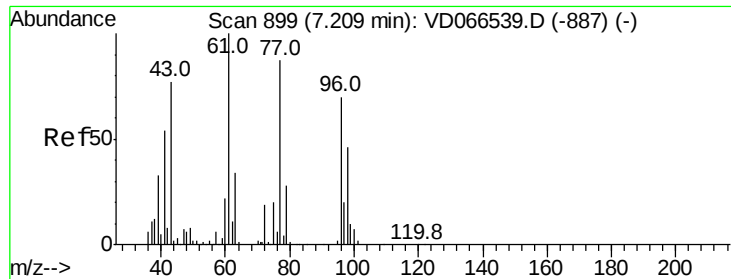
Tot Ion: 43 Resp: 309977
Ion Ratio Lower Upper
43 100
72 26.3 19.8 29.6



#26
2,2-Dichloropropane
Concen: 50.466 ug/l
RT: 7.20 min Scan# 898
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion: 77 Resp: 397279
Ion Ratio Lower Upper
77 100
97 22.1 10.8 32.3

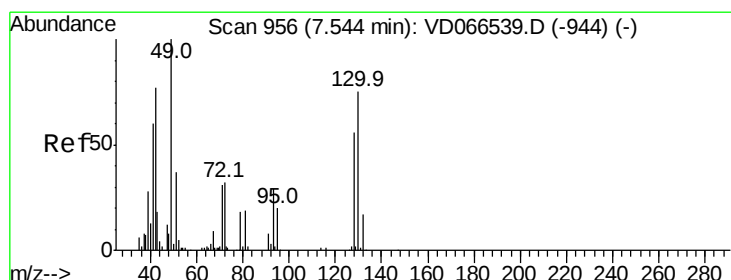
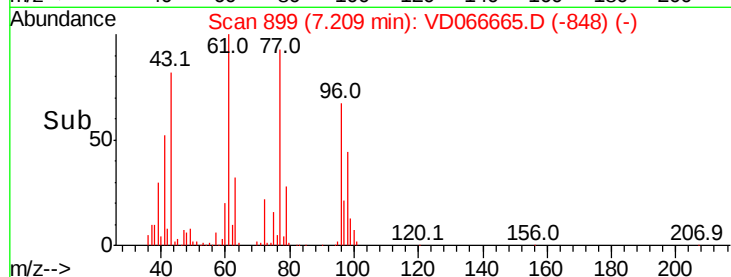
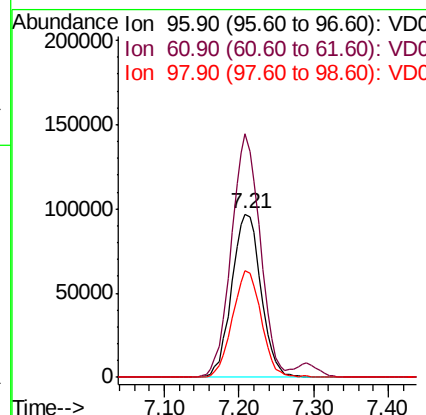
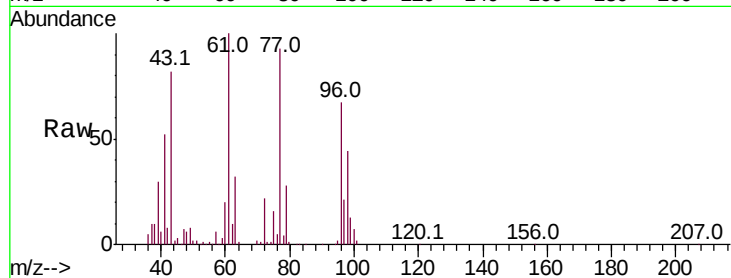




#27
 cis-1,2-Dichloroethene
 Concen: 51.282 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

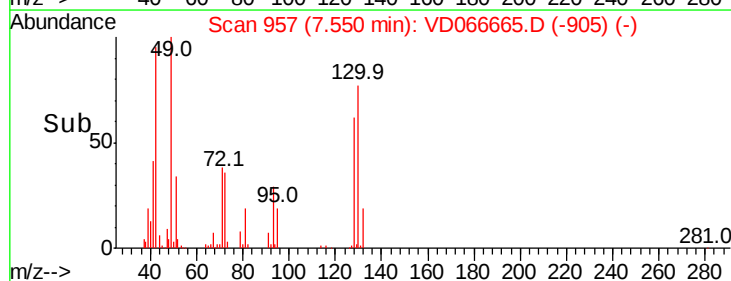
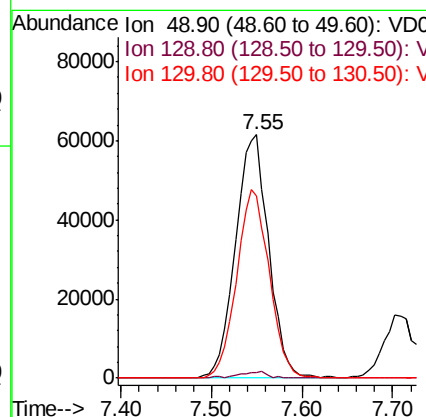
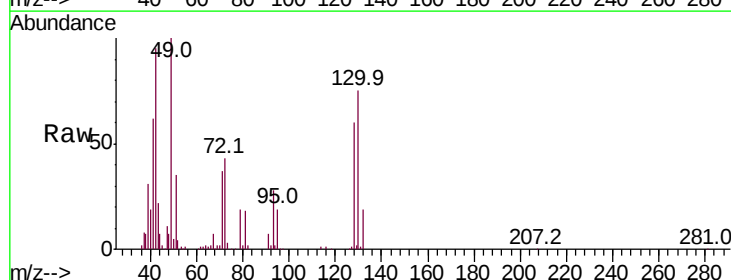
Instrument :
 MSVOA_D
 ClientSampled :

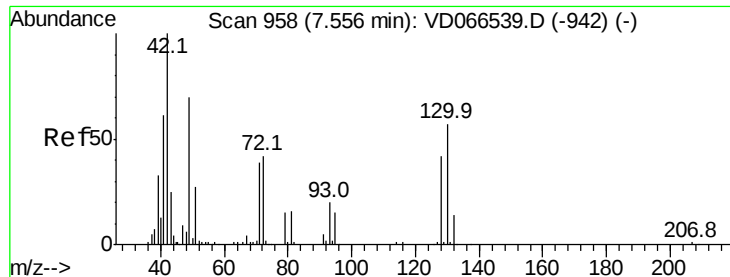
Tot Ion	96	Resp	265184
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	301.0
98	63.8	0.0	129.8



#28
 Bromochloromethane
 Concen: 47.408 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

Tgt Ion	49	Resp	156640
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.6
130	76.4	58.2	87.2

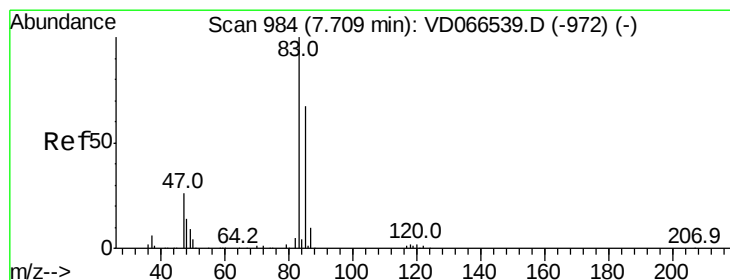
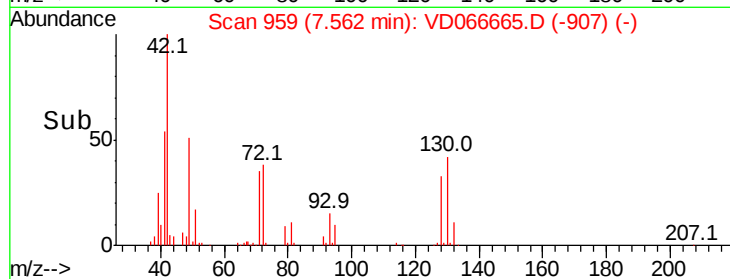
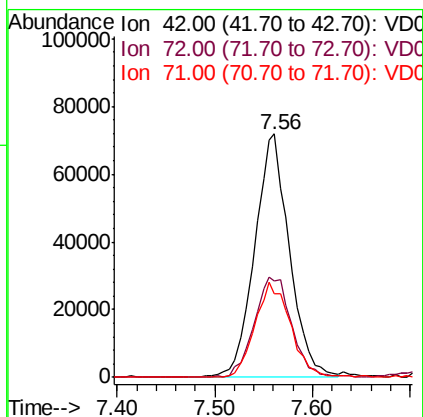
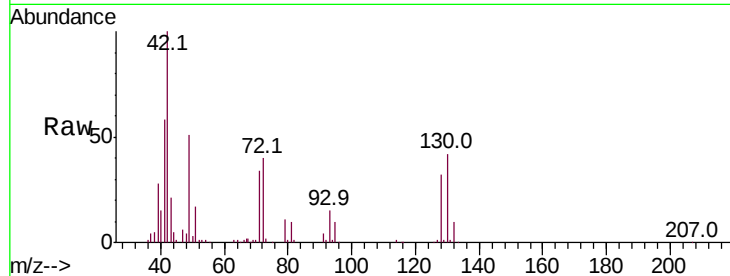




#29
Tetrahydrofuran
Concen: 240.326 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

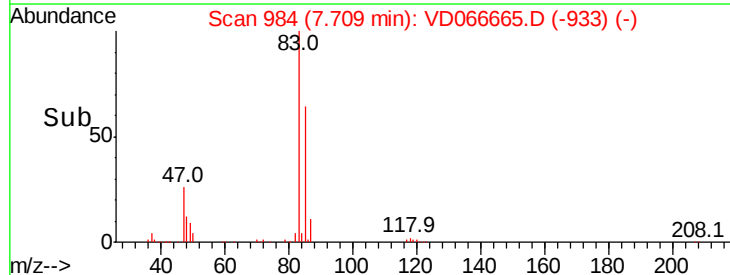
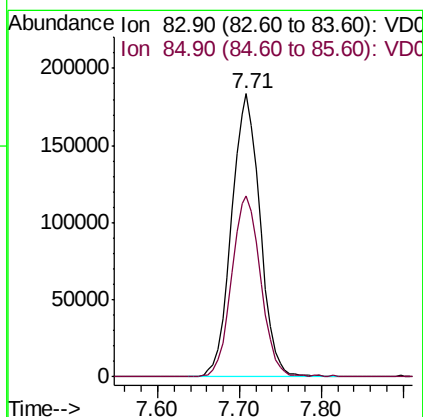
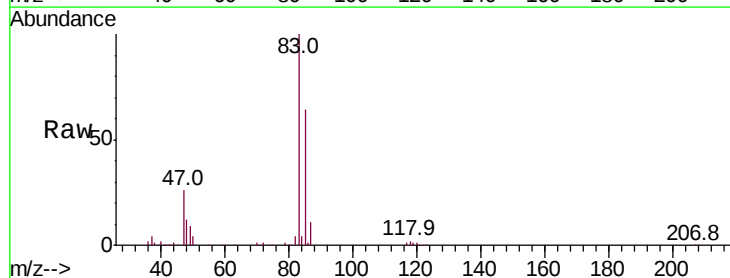
Instrument :
MSVOA_D
ClientSampleId :

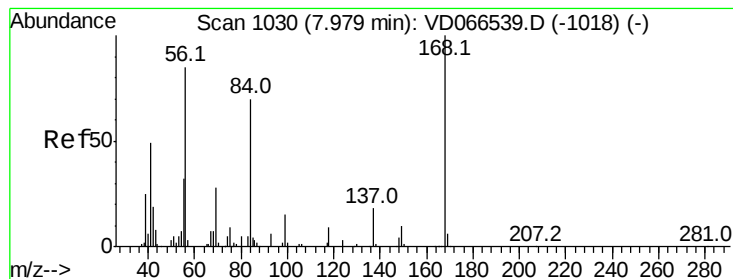
Tot Ion: 42 Resp: 179773
Ion Ratio Lower Upper
42 100
72 44.3 33.4 50.0
71 40.2 31.9 47.9



#30
Chloroform
Concen: 48.995 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion: 83 Resp: 444846
Ion Ratio Lower Upper
83 100
85 63.8 53.6 80.4





#31

Cyclohexane

Concen: 47.028 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

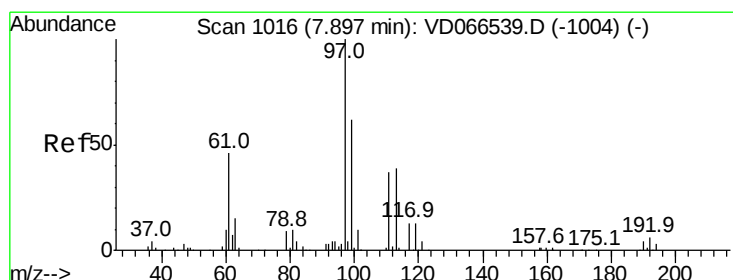
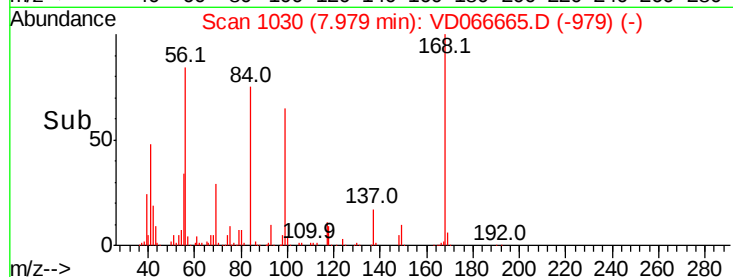
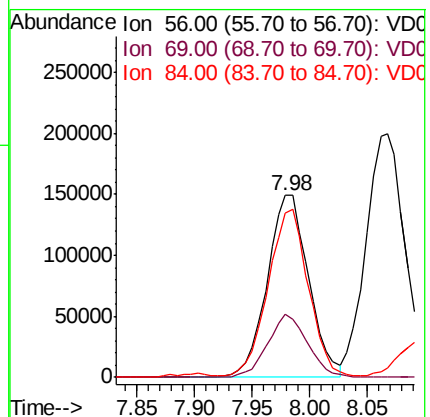
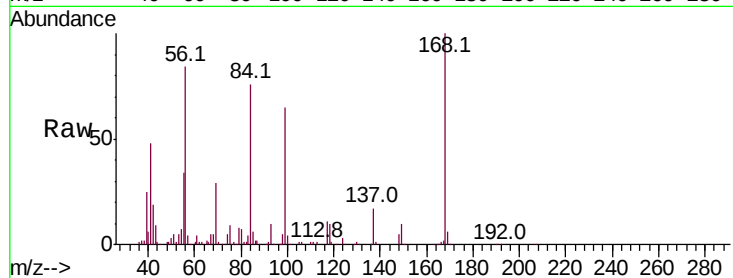
Tot Ion: 56 Resp: 373088

Ion Ratio Lower Upper

56 100

69 34.5 26.3 39.5

84 88.4 66.1 99.1



#32

1,1,1-Trichloroethane

Concen: 48.995 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

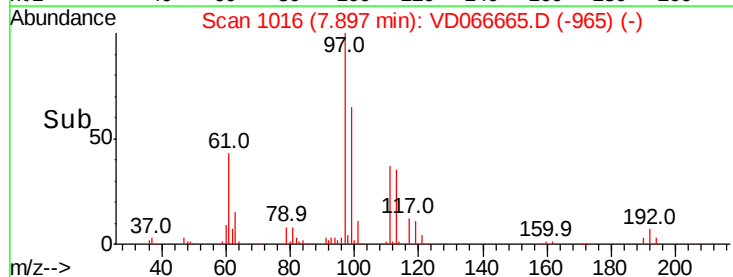
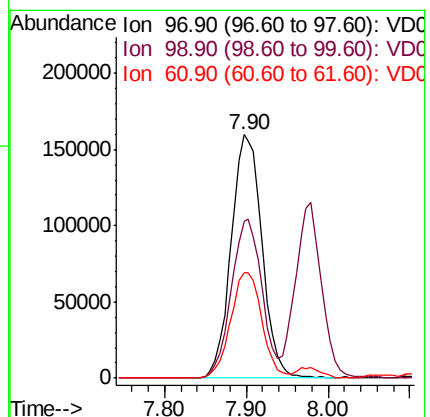
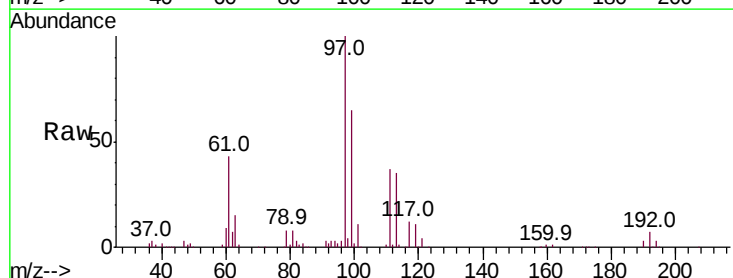
Tgt Ion: 97 Resp: 418237

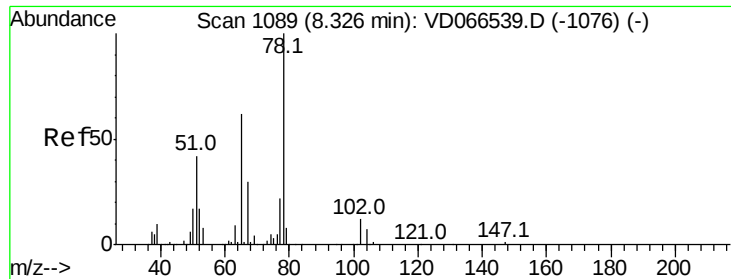
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 43.9 37.4 56.0





#33

1,2-Dichloroethane-d4

Concen: 46.115 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

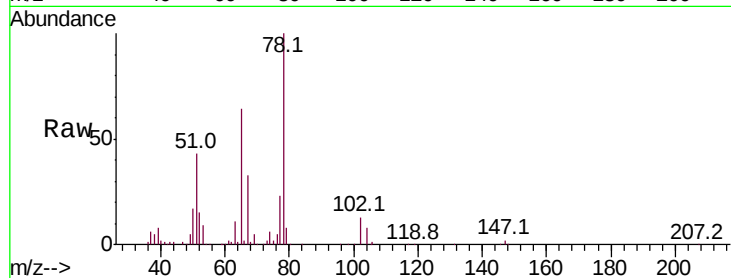
ClientSampleId :

Tot Ion: 65 Resp: 224249

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

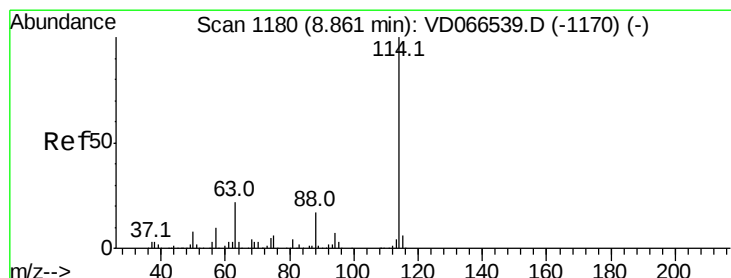
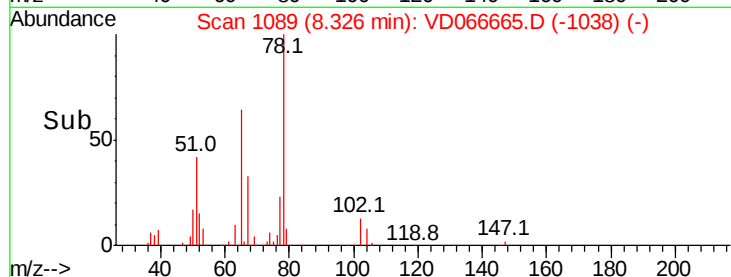
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

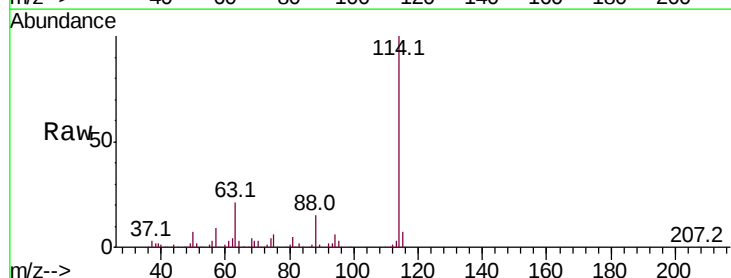
Tgt Ion:114 Resp: 638840

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 14.9 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

300000

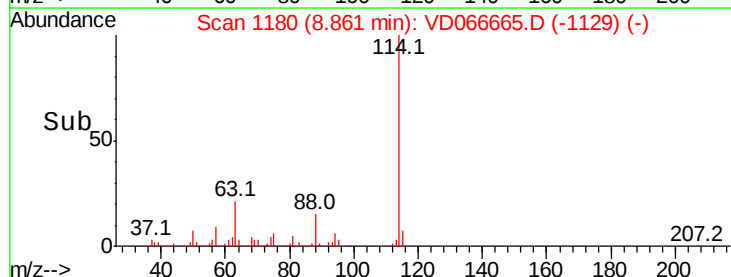
200000

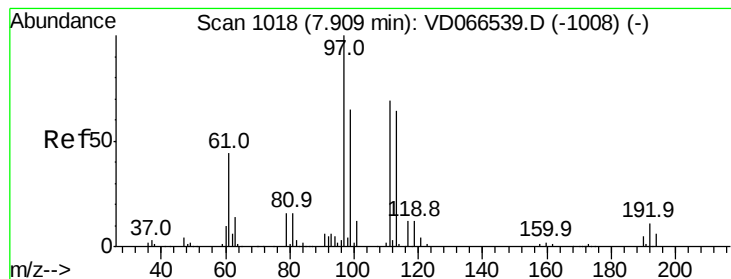
100000

0

8.70 8.80 8.90 9.00 9.10

Time-->





#35

Dibromofluoromethane

Concen: 50.404 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

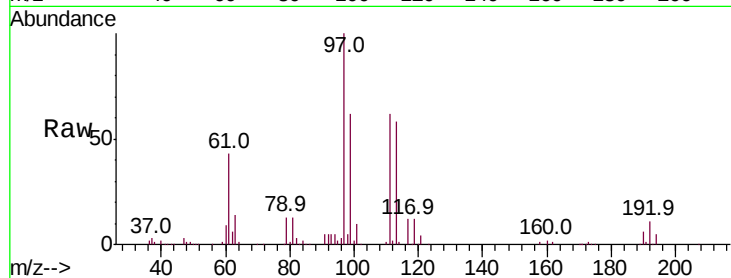
Tot Ion:113 Resp: 217224

Ion Ratio Lower Upper

113 100

111 105.5 83.2 124.8

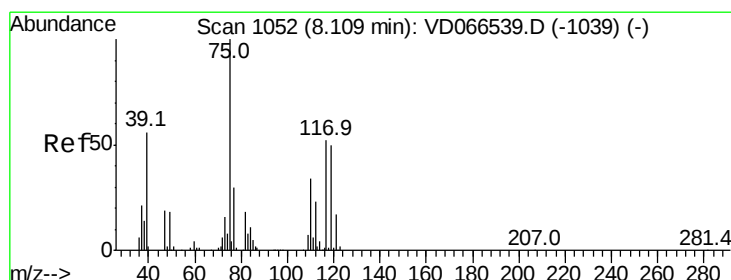
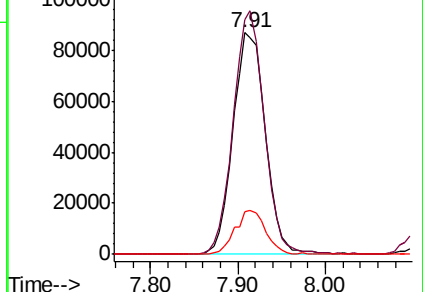
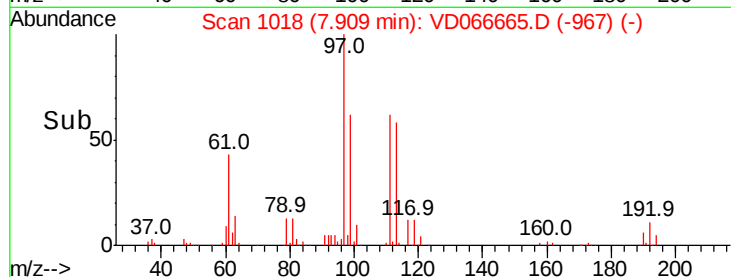
192 18.9 13.7 20.5



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: 51.925 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

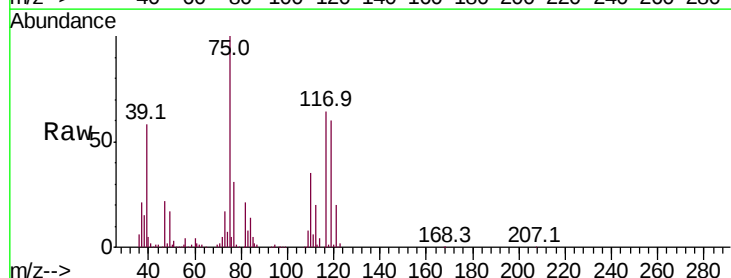
Tgt Ion: 75 Resp: 345219

Ion Ratio Lower Upper

75 100

110 34.8 17.3 52.0

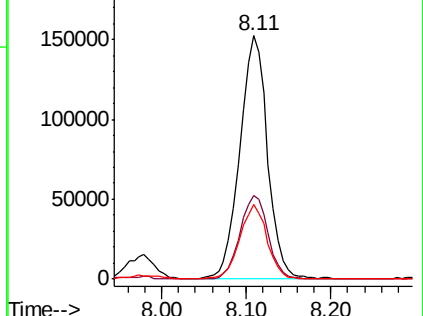
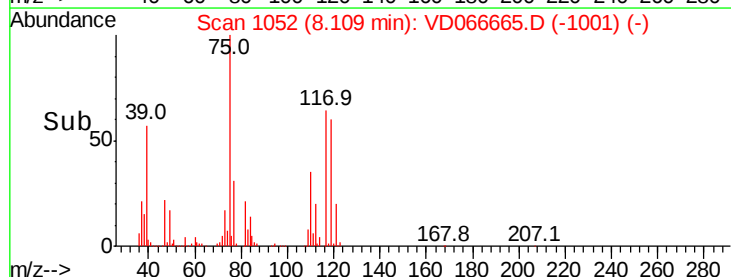
77 30.5 25.1 37.7

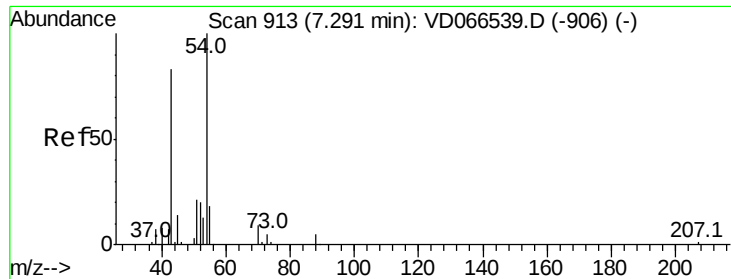


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

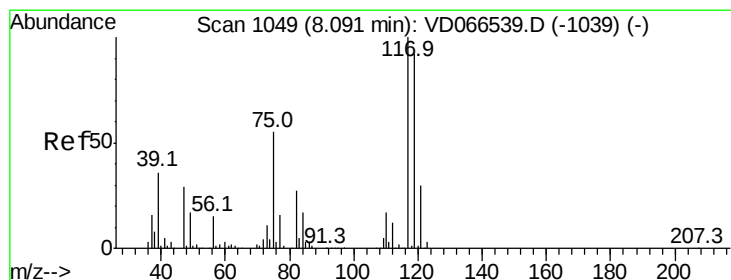
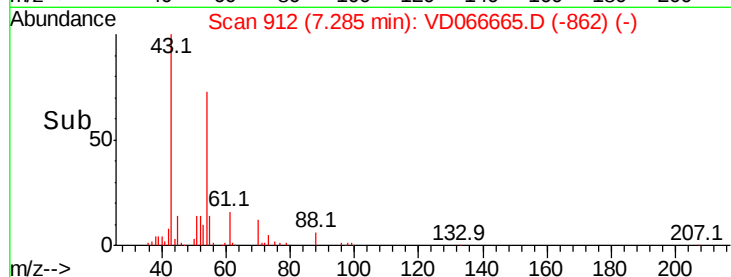
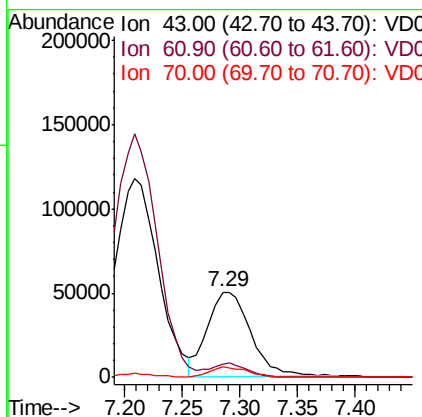
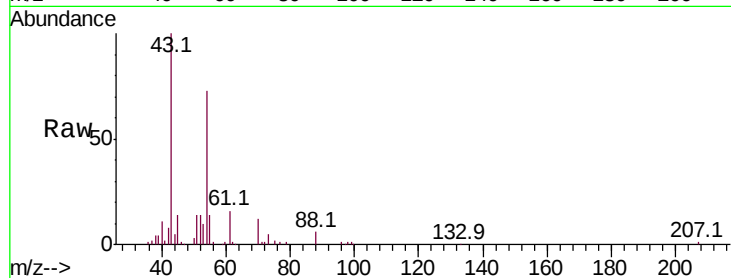




#37
Ethyl Acetate
Concen: 48.773 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

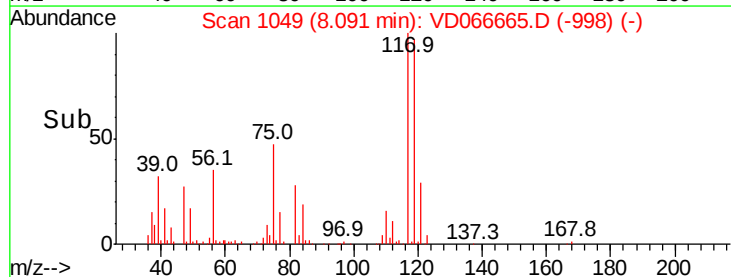
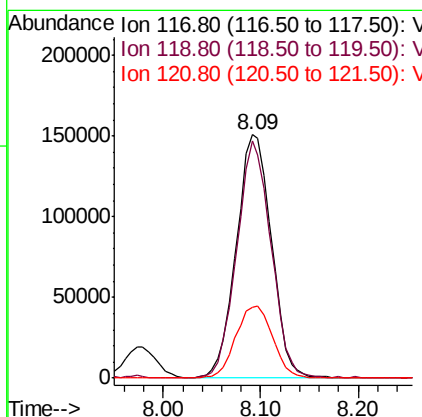
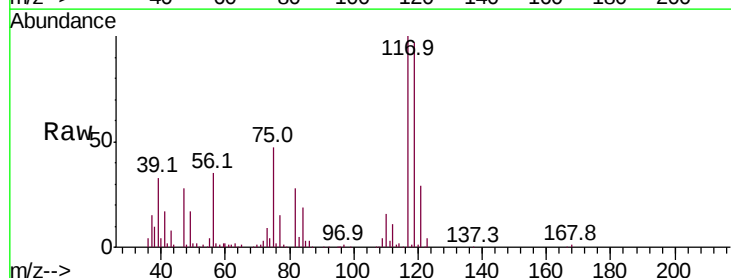
Instrument :
MSVOA_D
ClientSampleId :

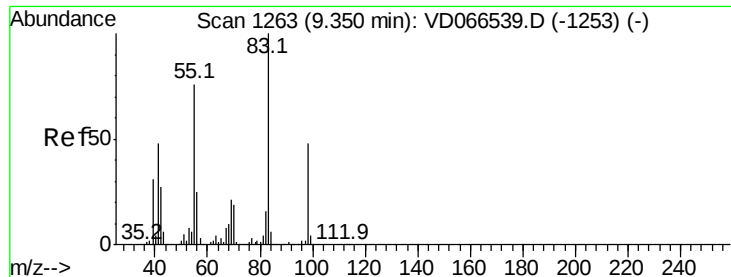
Tot Ion: 43 Resp: 129120
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.8
70 11.1 7.9 11.9



#38
Carbon Tetrachloride
Concen: 53.638 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion: 117 Resp: 376926
Ion Ratio Lower Upper
117 100
119 97.6 73.9 110.9
121 29.4 24.1 36.1

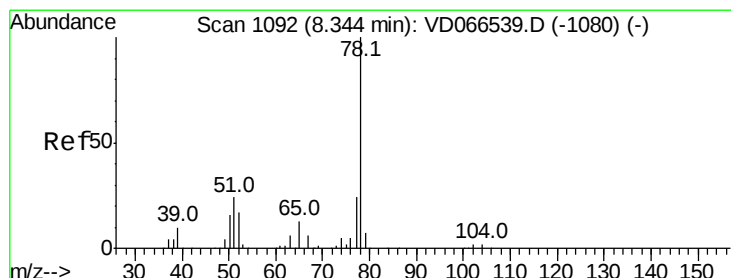
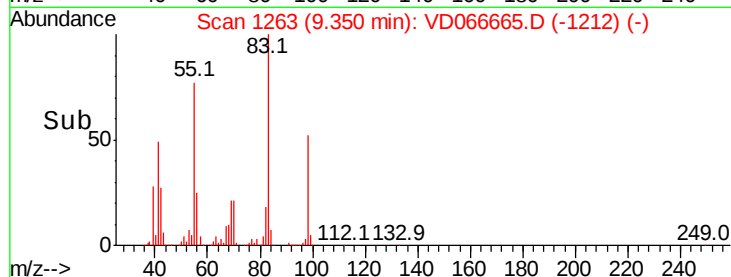
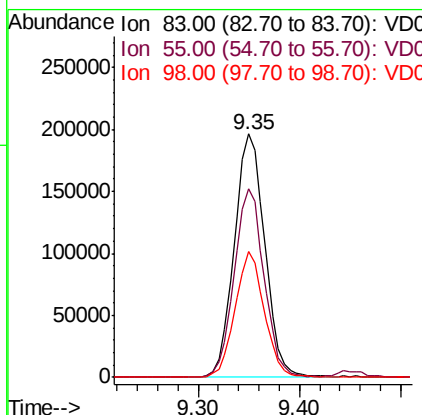
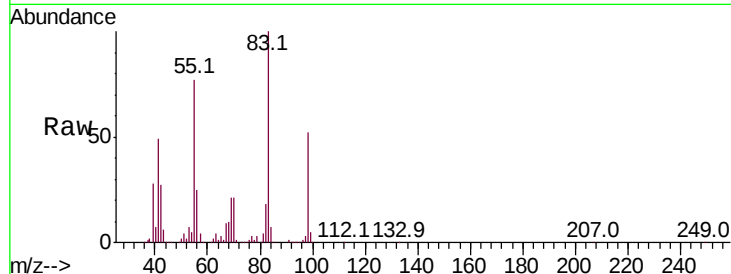




#39
Methvlcvclohexane
Concen: 55.123 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

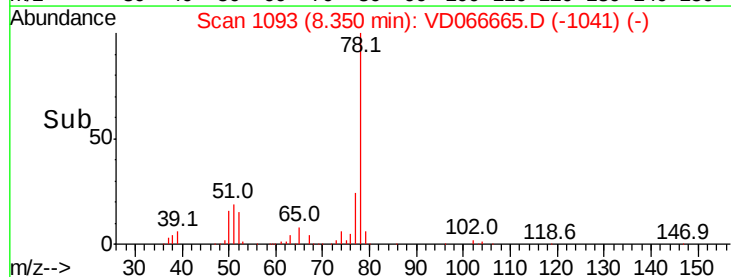
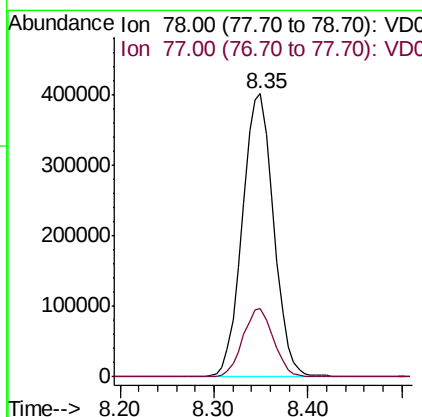
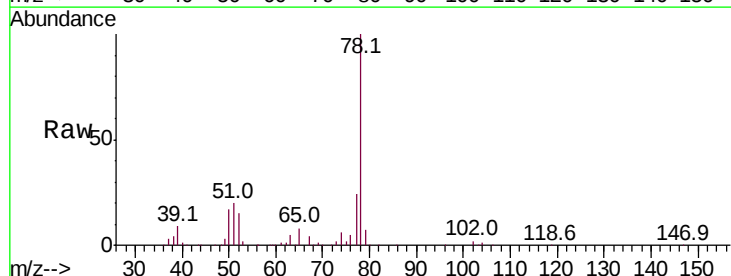
Instrument :
MSVOA_D
ClientSampleId :

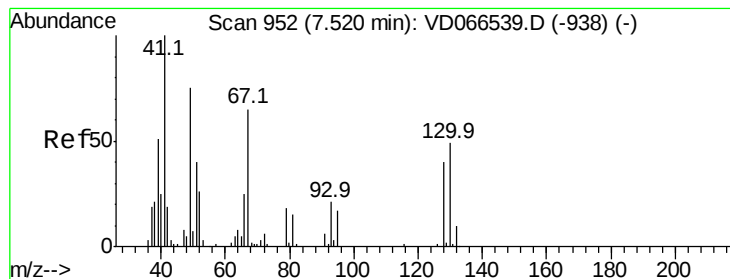
Tot Ion: 83 Resp: 409229
Ion Ratio Lower Upper
83 100
55 77.3 60.8 91.2
98 51.7 38.6 58.0



#40
Benzene
Concen: 50.858 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion: 78 Resp: 926046
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7





#41

Methacrylonitrile

Concen: 141.523 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.04 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 181359

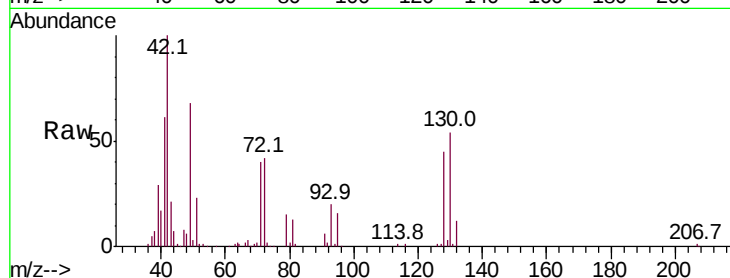
Ion Ratio Lower Upper

41 100

39 51.6 53.6 80.4#

67 0.0 59.2 88.8#

52 0.0 26.8 40.2#

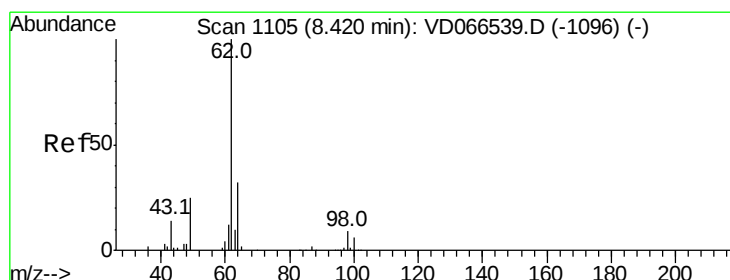
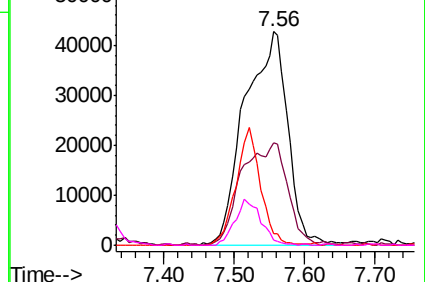
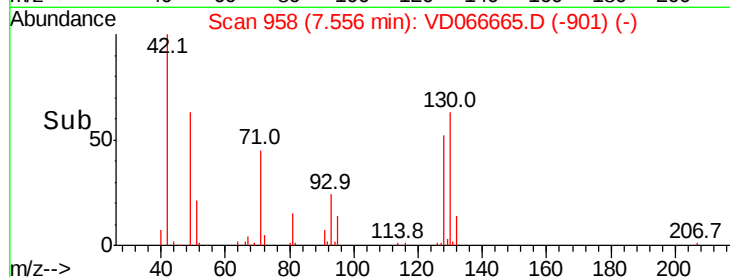


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 48.051 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066665.D

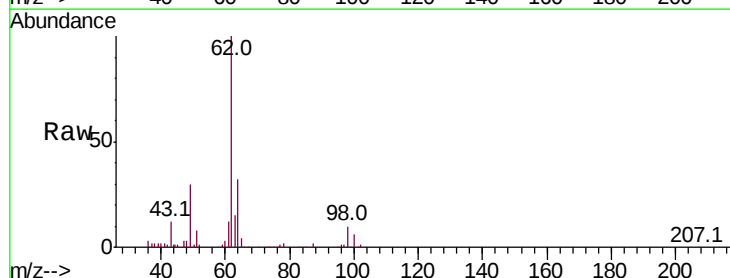
Acq: 14 Sep 2020 11:31

Tgt Ion: 62 Resp: 283483

Ion Ratio Lower Upper

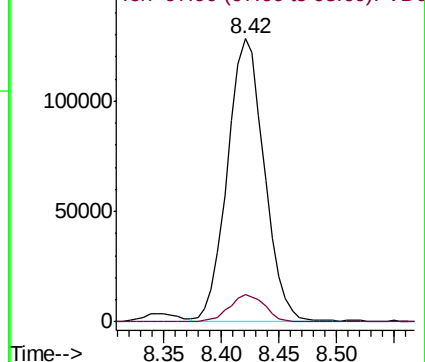
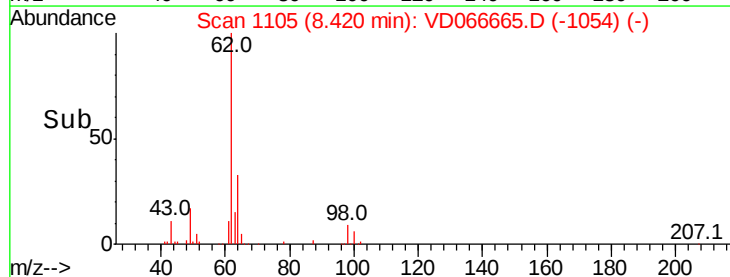
62 100

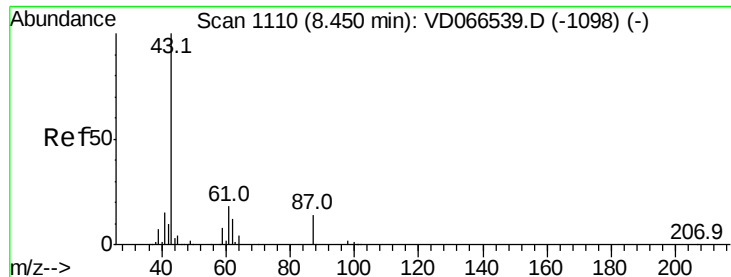
98 9.2 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.452 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

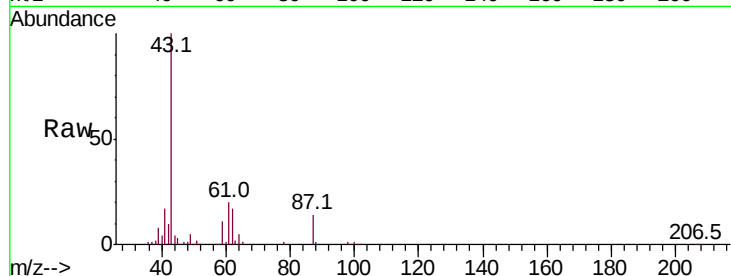
Tot Ion: 43 Resp: 250890

Ion Ratio Lower Upper

43 100

61 31.0 23.8 35.8

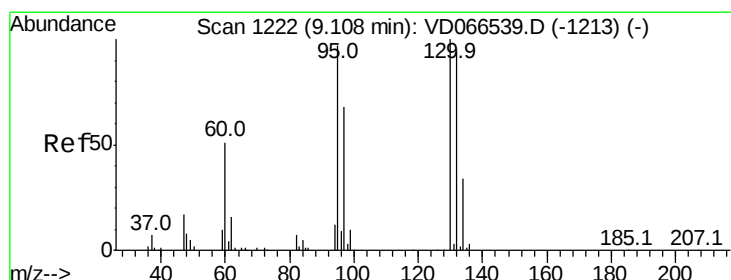
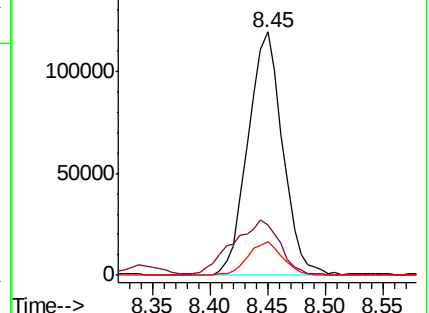
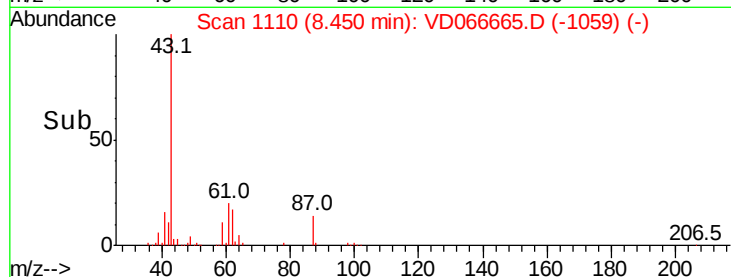
87 13.7 10.7 16.1



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: 53.295 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066665.D

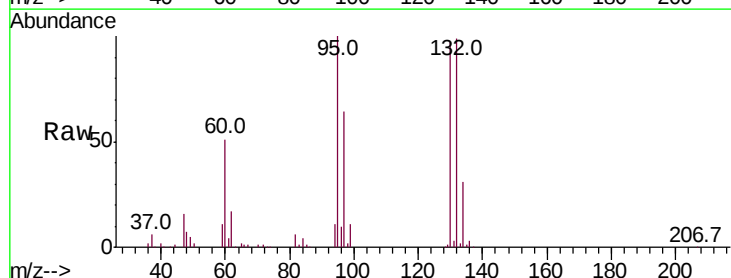
Acq: 14 Sep 2020 11:31

Tgt Ion:130 Resp: 254548

Ion Ratio Lower Upper

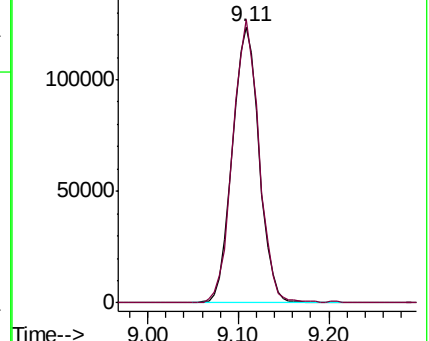
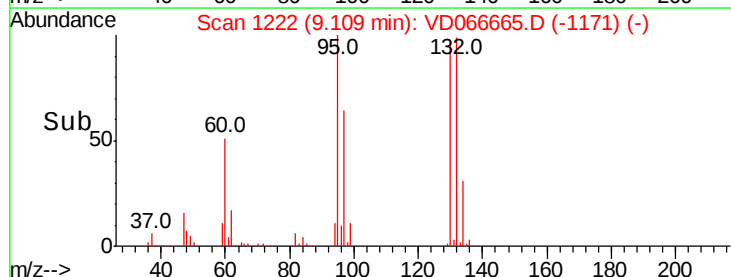
130 100

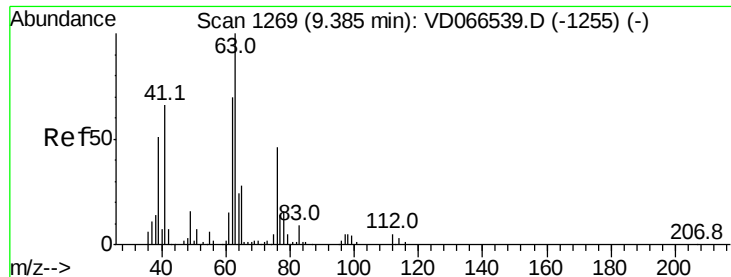
95 102.7 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

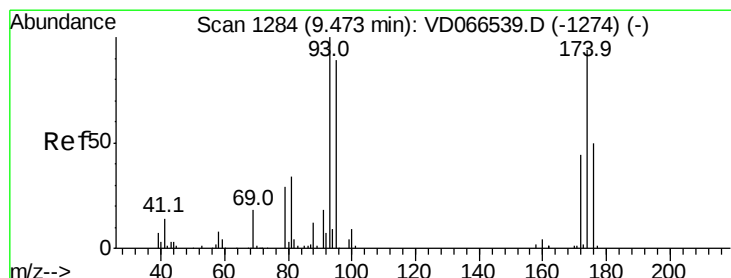
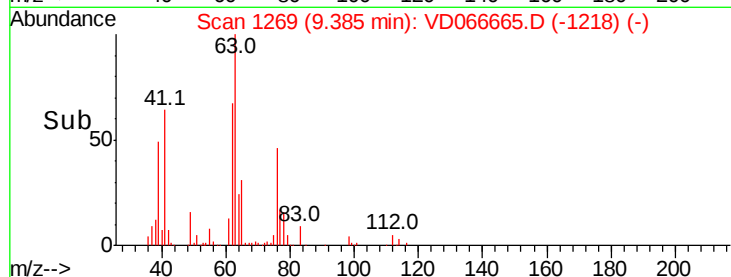
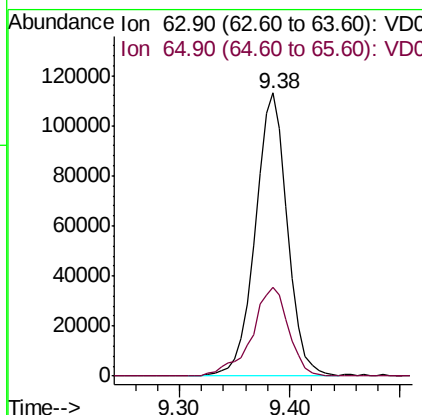
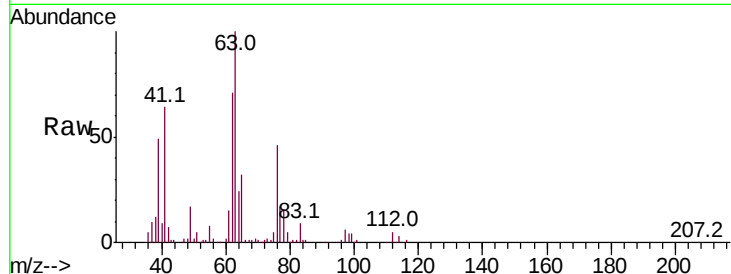




#45
 1,2-Dichloropropane
 Concen: 50.231 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

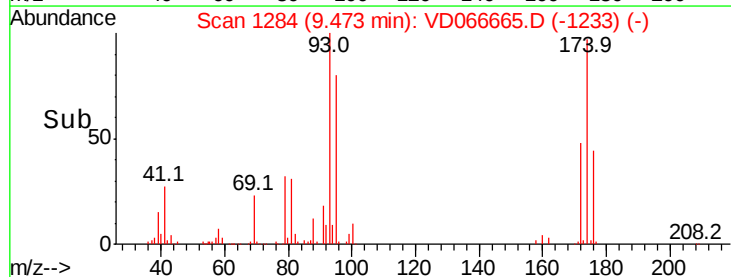
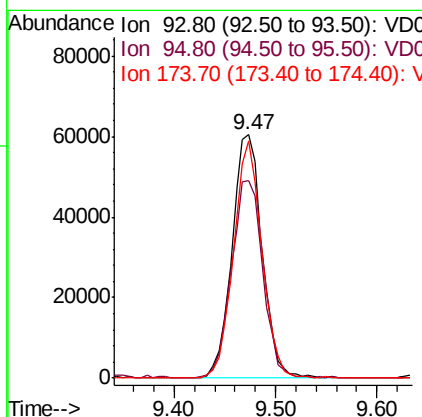
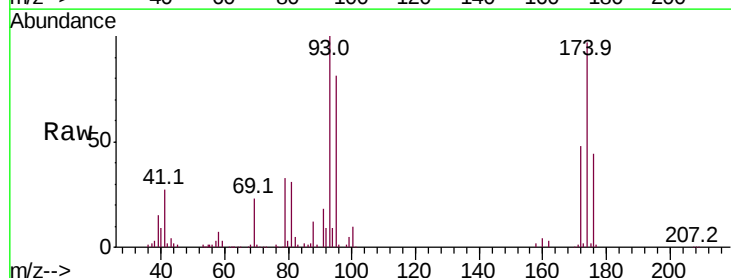
Instrument :
 MSVOA_D
 ClientSampleId :

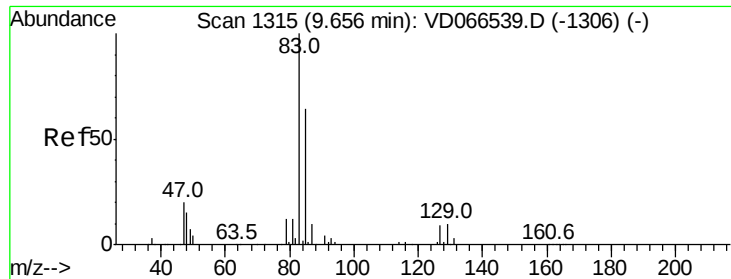
Tot Ion: 63 Resp: 230010
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.6 34.0



#46
 Dibromomethane
 Concen: 49.361 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

Tgt Ion: 93 Resp: 124701
 Ion Ratio Lower Upper
 93 100
 95 85.0 68.7 103.1
 174 91.6 70.0 105.0

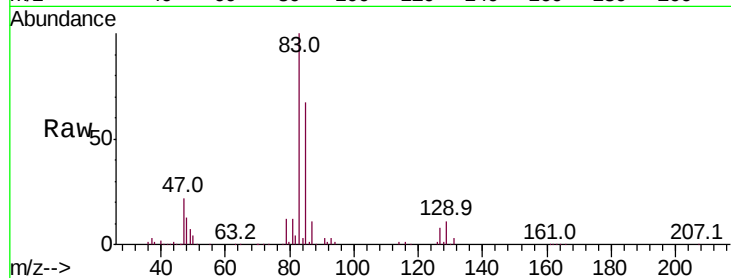




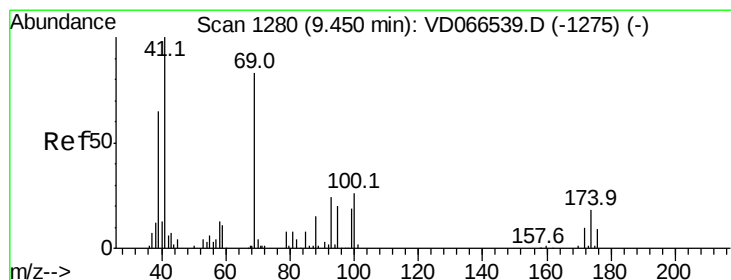
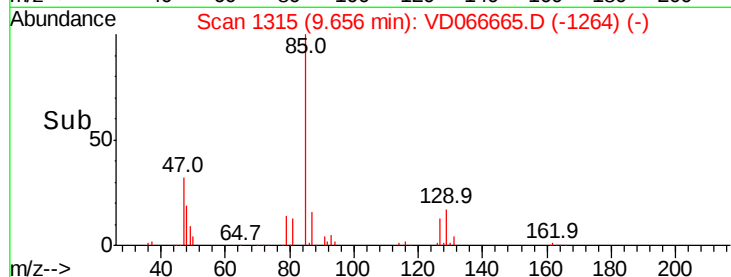
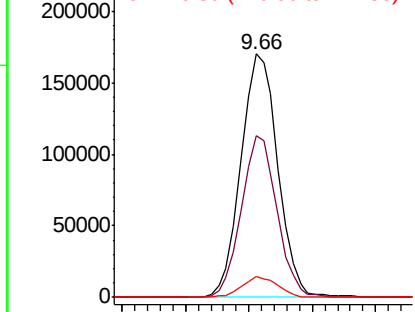
#47
Bromodichloromethane
Concen: 50.298 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 343790
Ion Ratio Lower Upper
83 100
85 66.6 51.1 76.7
127 8.5 6.9 10.3

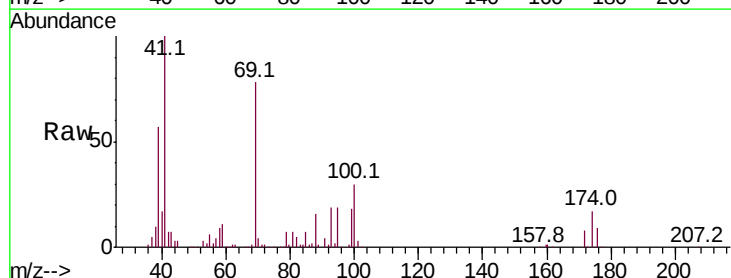


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

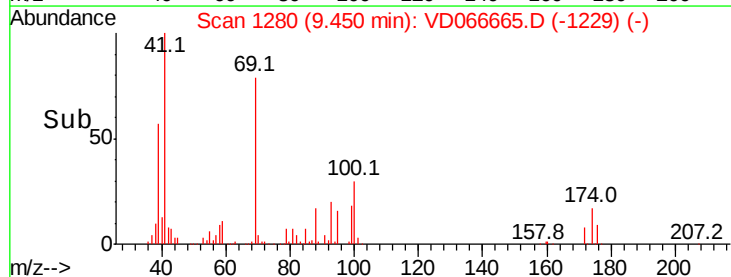
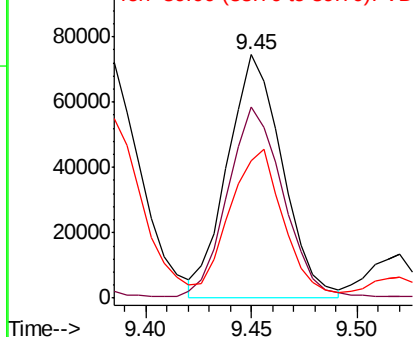


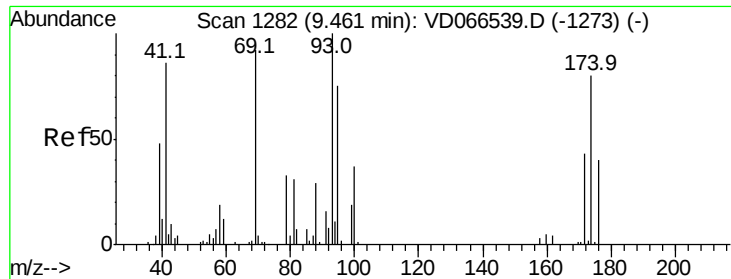
#48
Methyl methacrylate
Concen: 52.148 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion: 41 Resp: 133779
Ion Ratio Lower Upper
41 100
69 79.2 64.5 96.7
39 56.0 46.6 69.8



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: 980.630 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

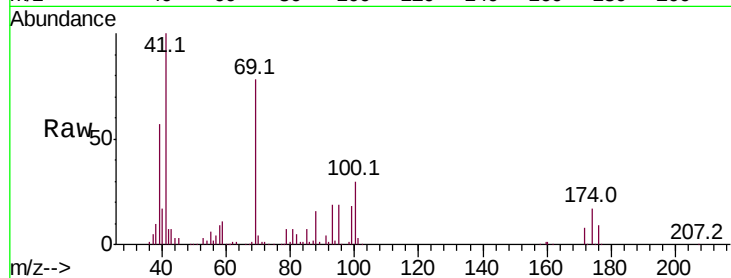
Tot Ion: 88 Resp: 27179

Ion Ratio Lower Upper

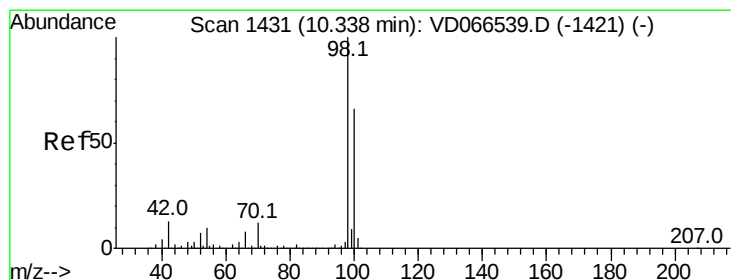
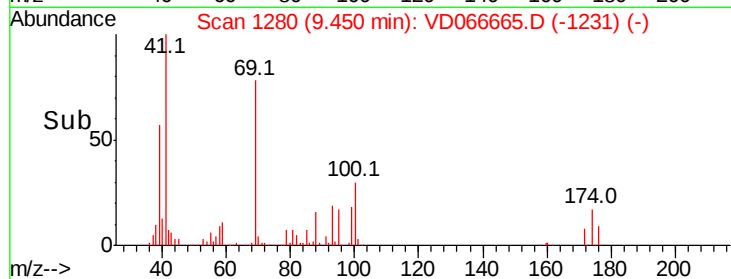
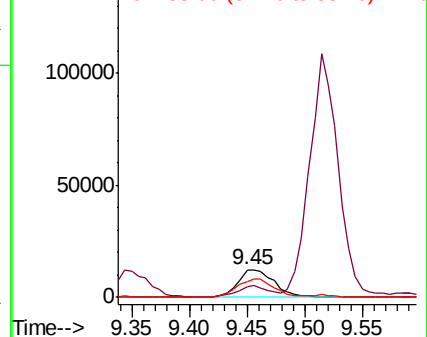
88 100

43 36.5 28.3 42.5

58 67.9 56.1 84.1



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



#50

Toluene-d8

Concen: 52.105 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066665.D

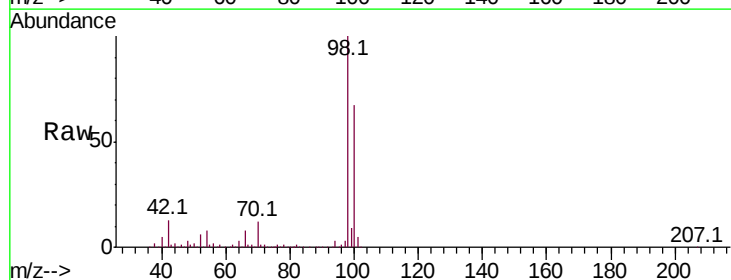
Acq: 14 Sep 2020 11:31

Tgt Ion: 98 Resp: 802592

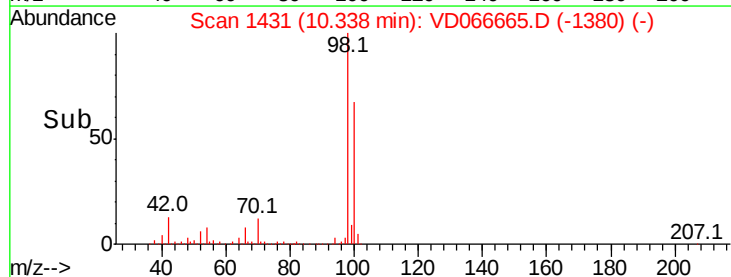
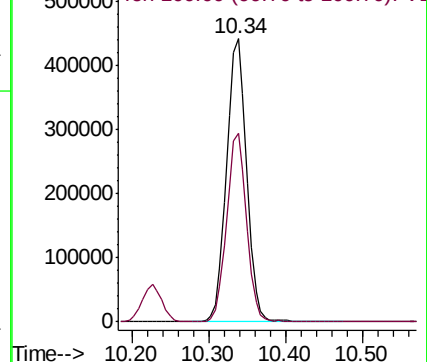
Ion Ratio Lower Upper

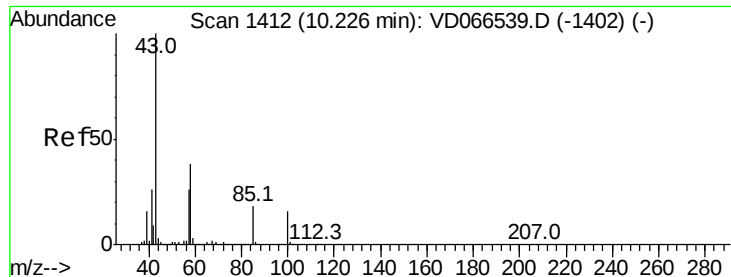
98 100

100 65.6 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 258.024 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

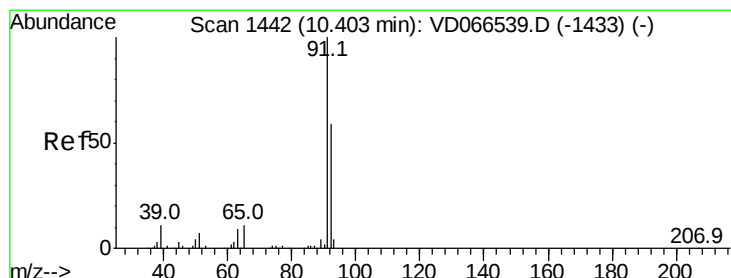
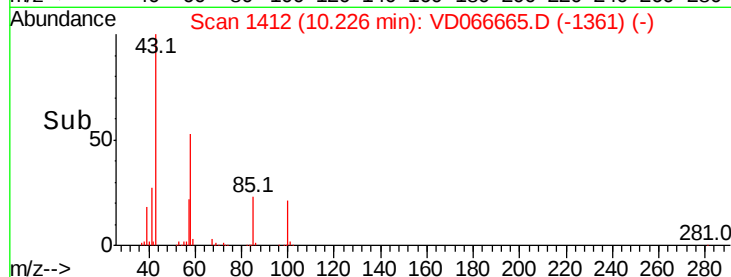
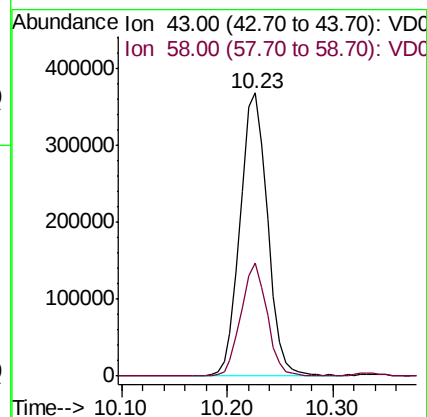
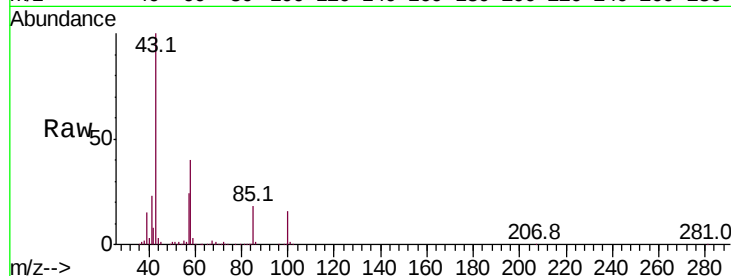
ClientSampled :

Tot Ion: 43 Resp: 660191

Ion Ratio Lower Upper

43 100

58 38.1 30.5 45.7



#52

Toluene

Concen: 52.185 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066665.D

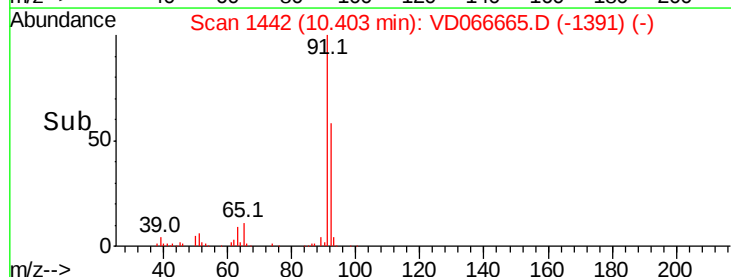
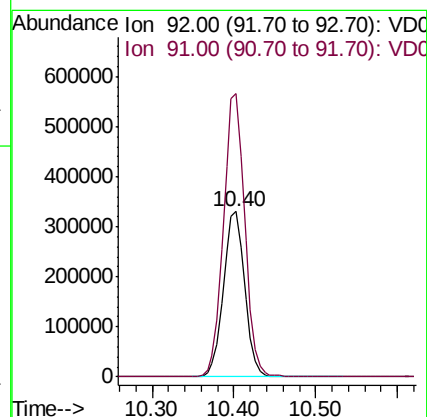
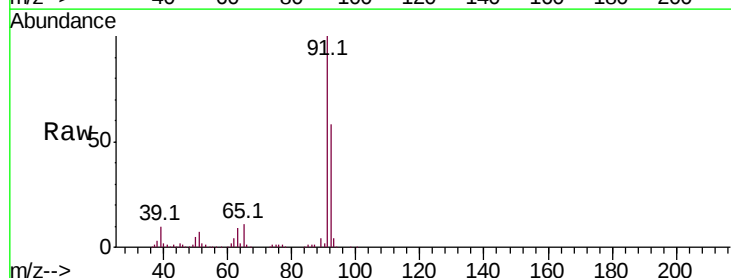
Acq: 14 Sep 2020 11:31

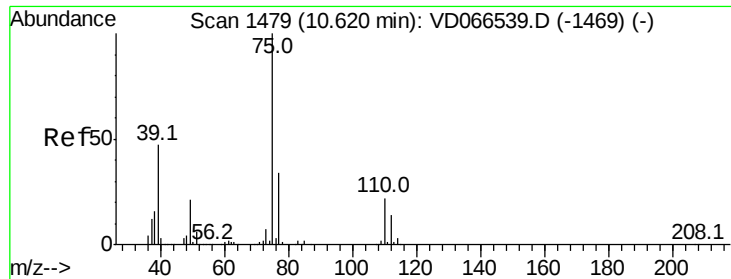
Tgt Ion: 92 Resp: 601490

Ion Ratio Lower Upper

92 100

91 171.7 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 52.603 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

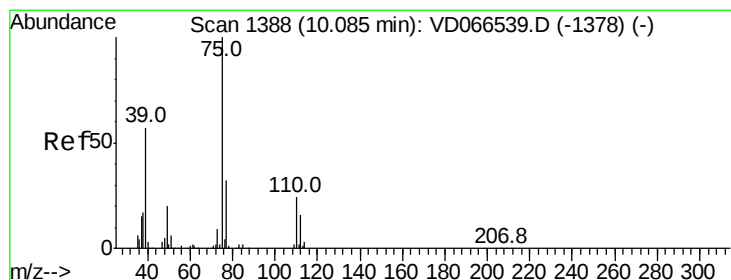
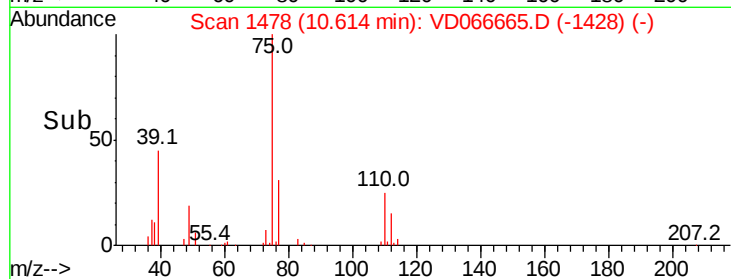
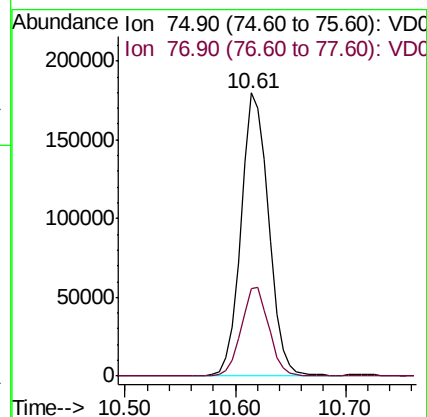
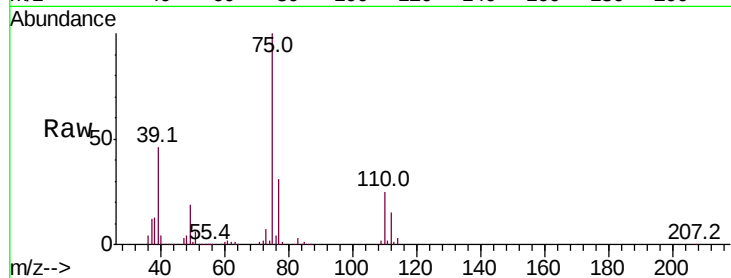
ClientSampleId :

Tot Ion: 75 Resp: 317393

Ion Ratio Lower Upper

75 100

77 30.8 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 52.090 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

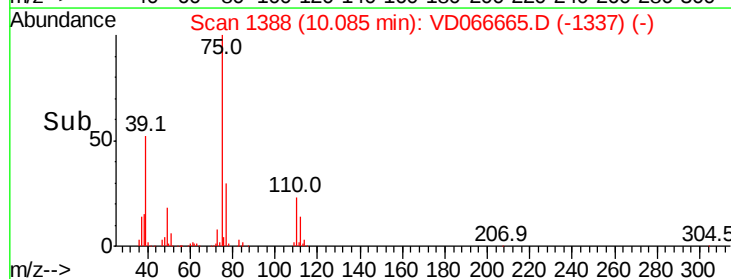
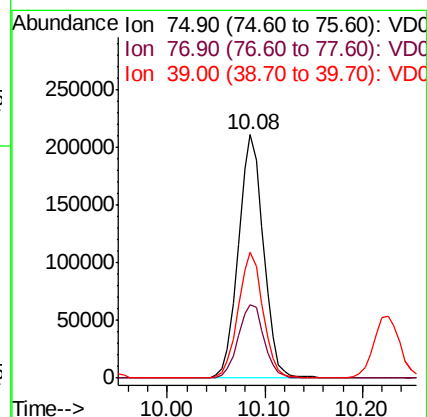
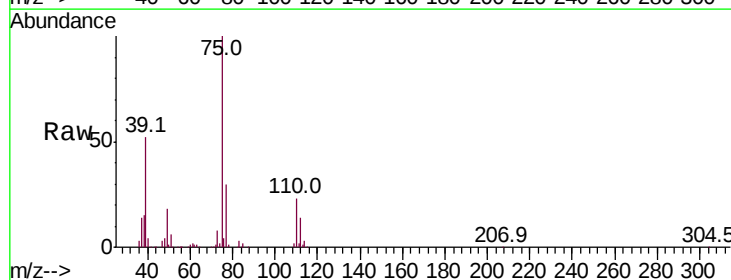
Tgt Ion: 75 Resp: 377439

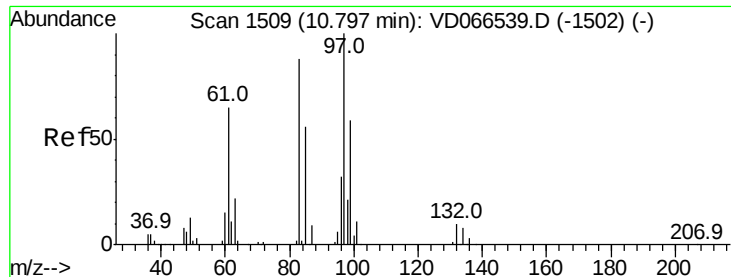
Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0

39 51.7 45.4 68.0

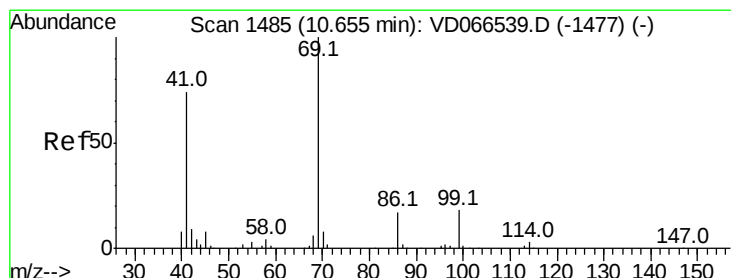
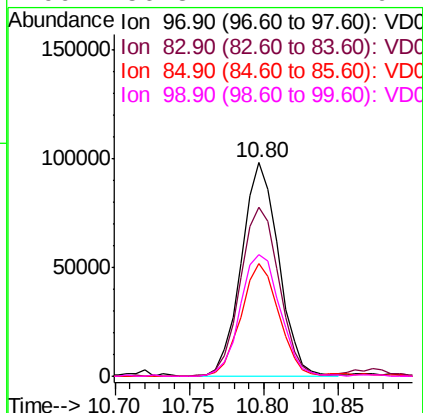
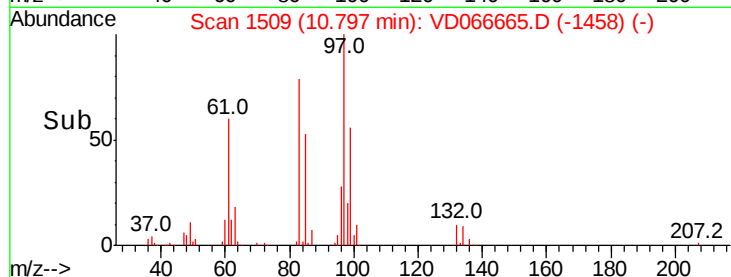
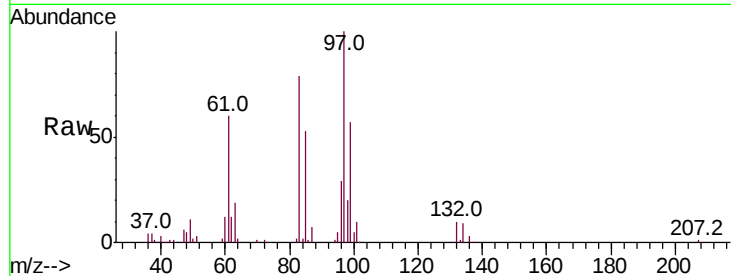




#55
 1,1,2-Trichloroethane
 Concen: 51.829 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

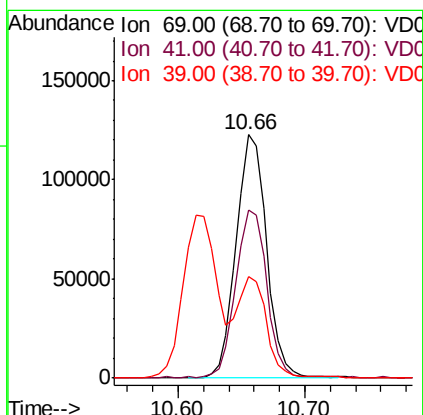
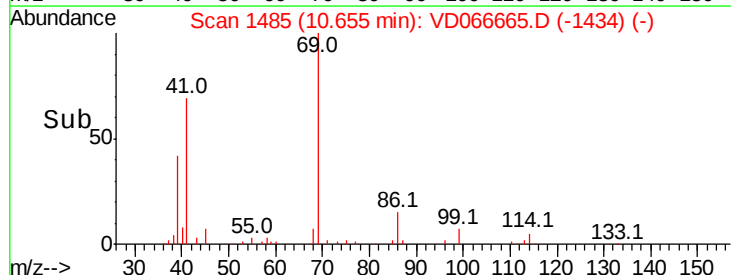
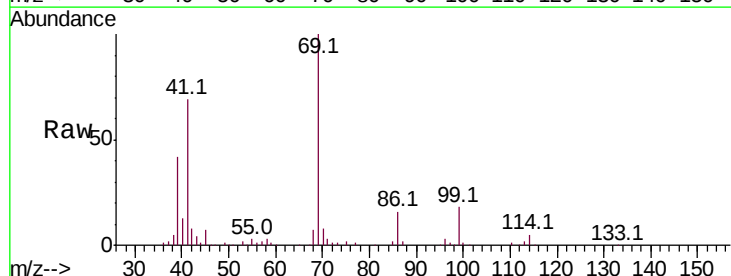
Instrument :
 MSVOA_D
 ClientSampled :

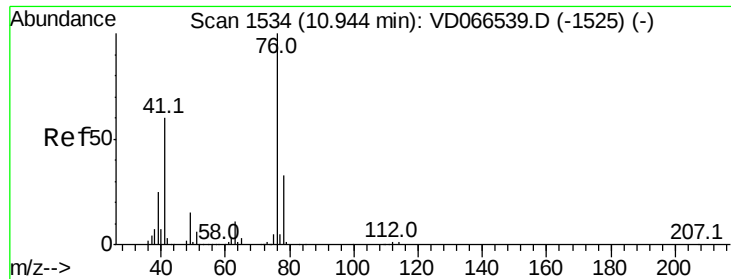
Tot Ion: 97 Resp: 168353
 Ion Ratio Lower Upper
 97 100
 83 79.3 70.1 105.1
 85 52.8 44.5 66.7
 99 56.8 47.1 70.7



#56
 Ethyl methacrylate
 Concen: 54.233 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

Tgt Ion: 69 Resp: 205113
 Ion Ratio Lower Upper
 69 100
 41 69.7 56.8 85.2
 39 41.4 30.6 46.0





#57

1,3-Dichloropropane

Concen: 50.817 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

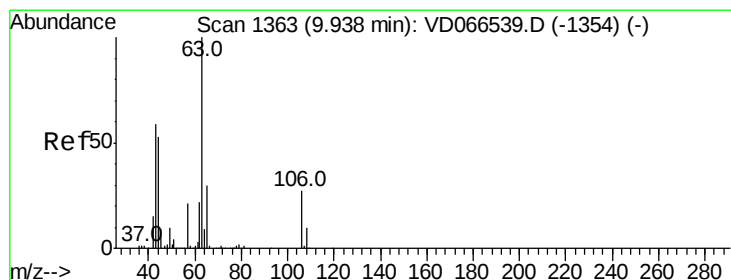
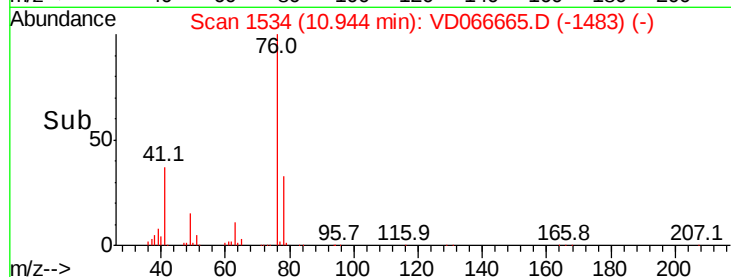
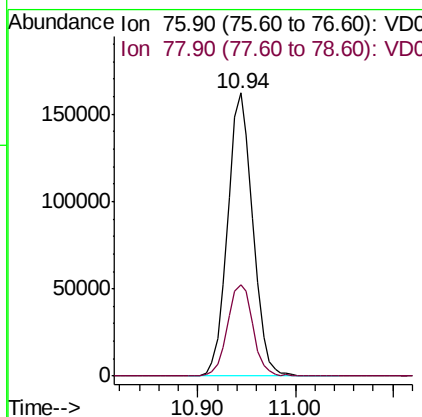
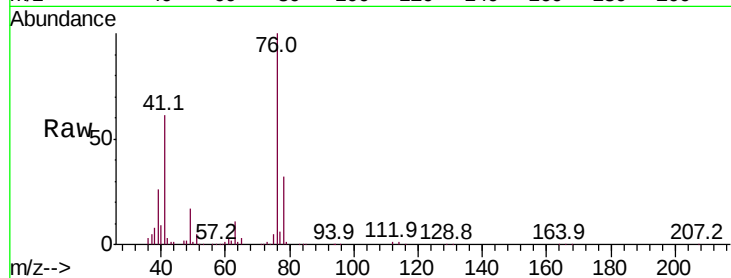
Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 289124

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8



#58

2-Chloroethyl Vinyl ether

Concen: 246.382 ug/l

RT: 9.94 min Scan# 1363

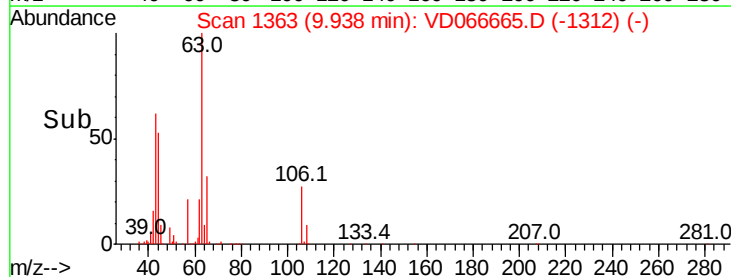
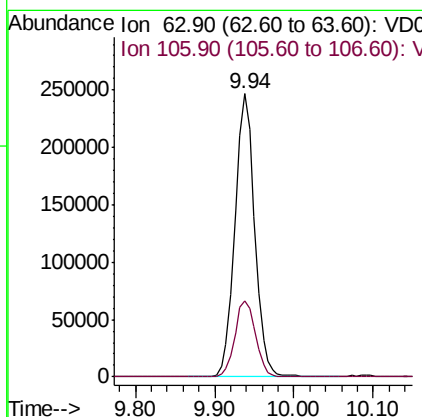
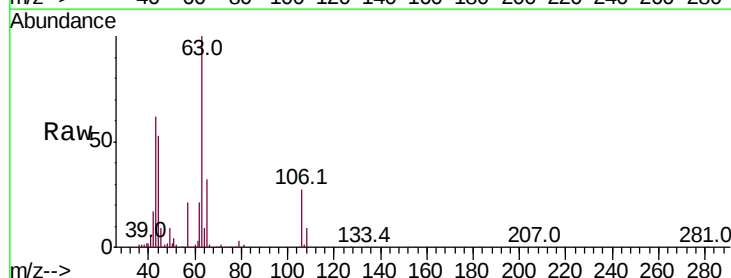
Delta R.T. 0.00 min

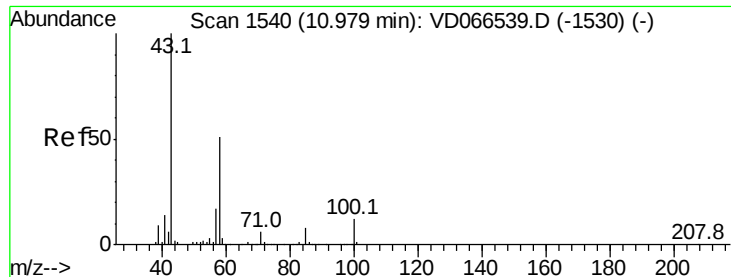
Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Tgt Ion: 63 Resp: 426214

Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.0	33.0

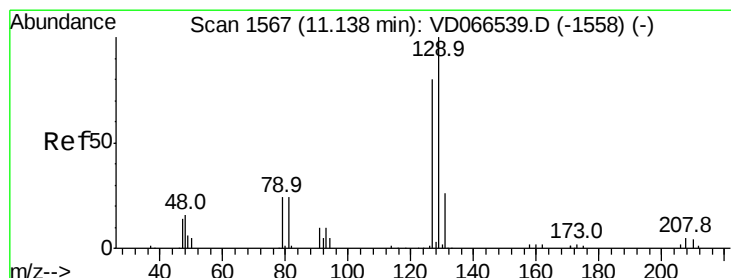
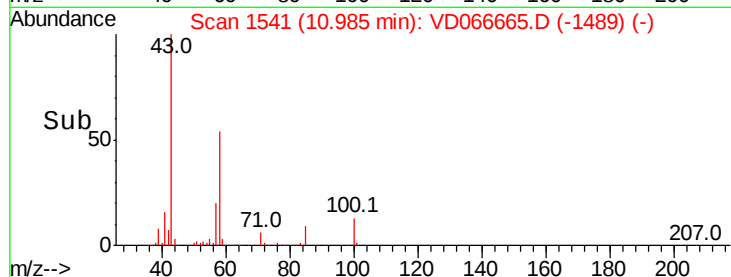
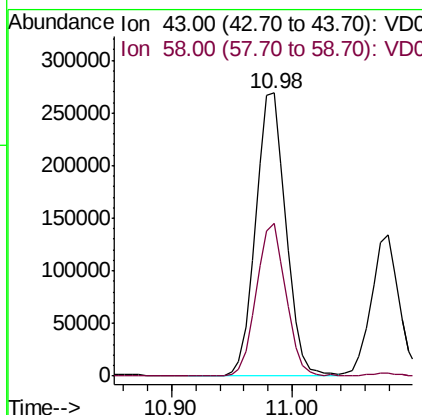
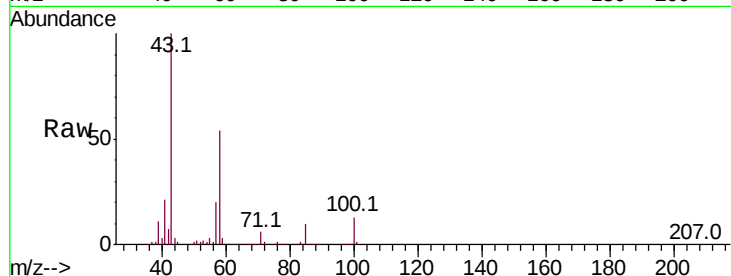




#59
2-Hexanone
Concen: 272.244 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

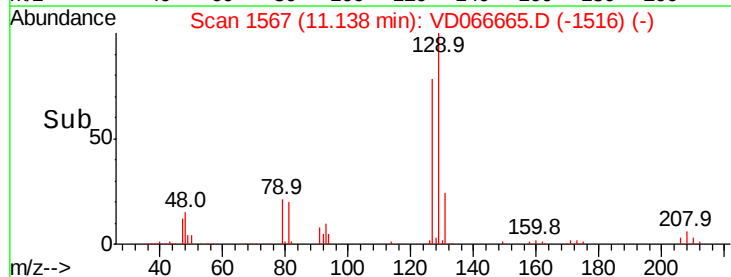
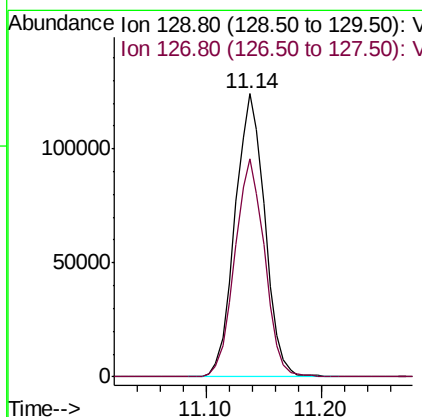
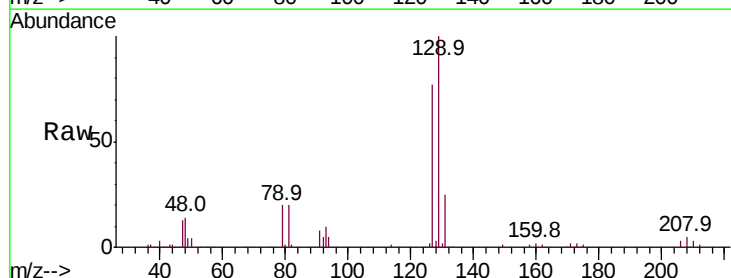
Instrument :
MSVOA_D
ClientSampleId :

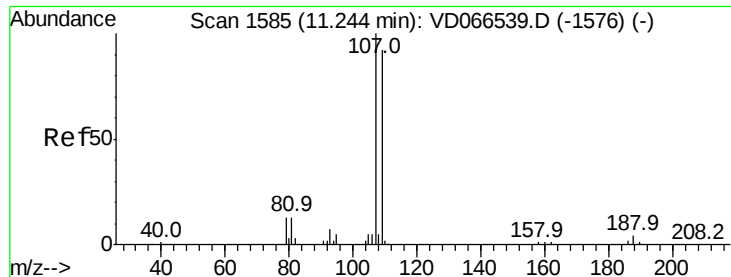
Tot Ion: 43 Resp: 468434
Ion Ratio Lower Upper
43 100
58 52.9 25.6 76.8



#60
Dibromochloromethane
Concen: 51.636 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion: 129 Resp: 221793
Ion Ratio Lower Upper
129 100
127 77.0 39.5 118.3

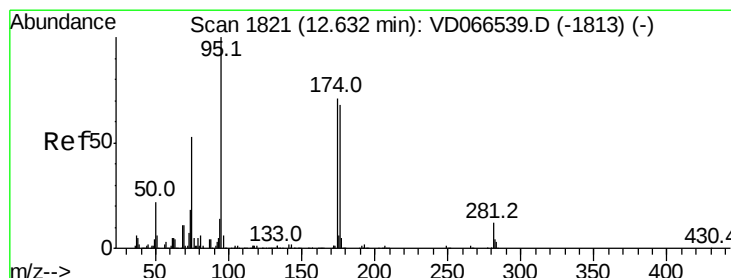
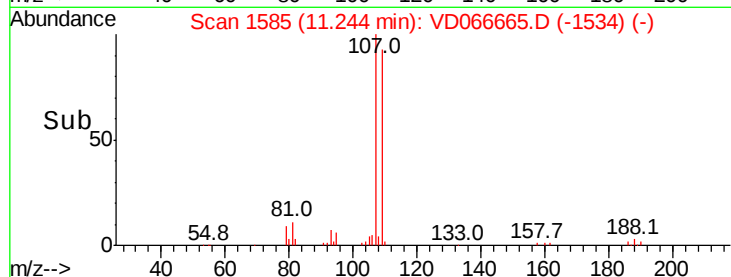
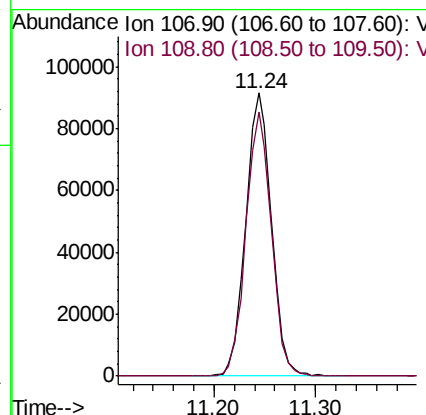
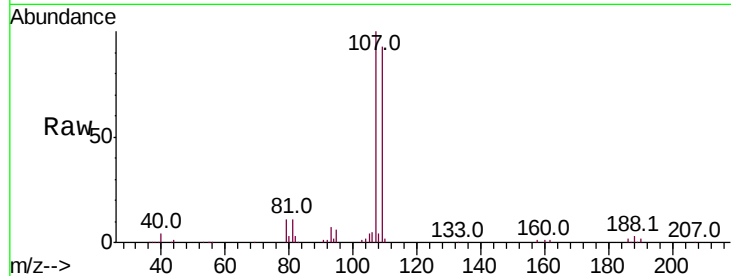




#61
 1,2-Dibromoethane
 Concen: 50.887 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

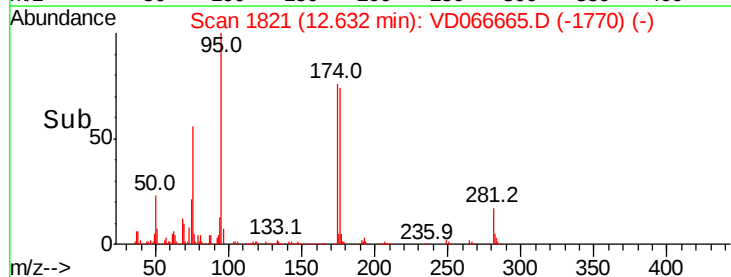
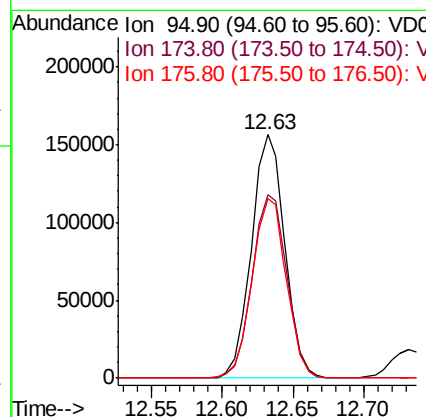
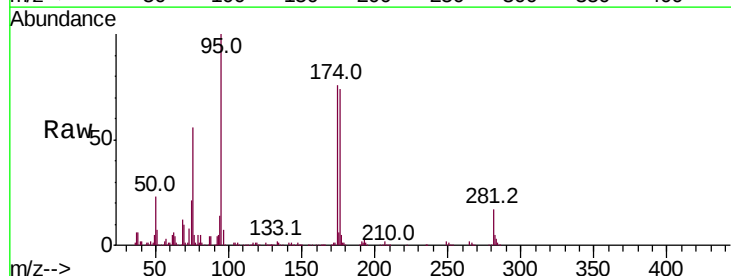
Instrument :
 MSVOA_D
 ClientSampled :

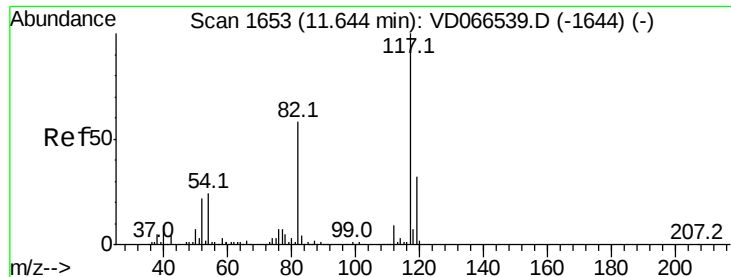
Tot Ion:107 Resp: 160810
 Ion Ratio Lower Upper
 107 100
 109 92.5 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 50.796 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

Tgt Ion: 95 Resp: 259446
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 155.8
 176 75.9 0.0 148.6

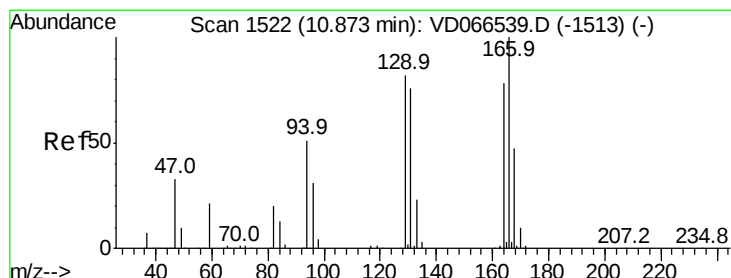
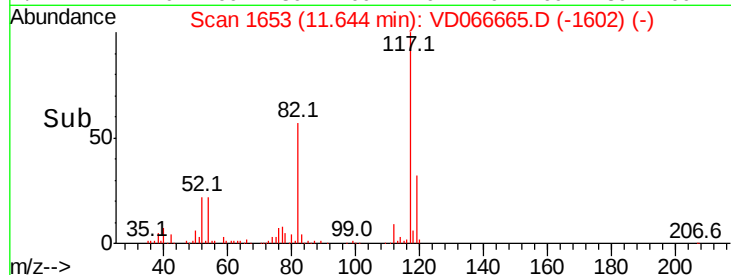
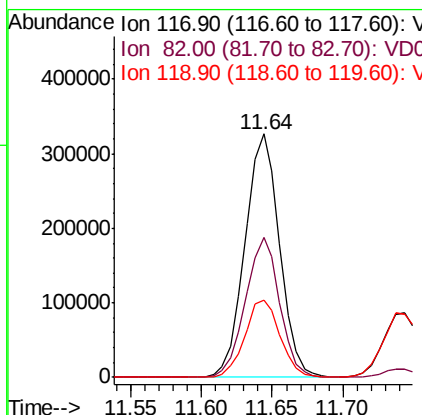
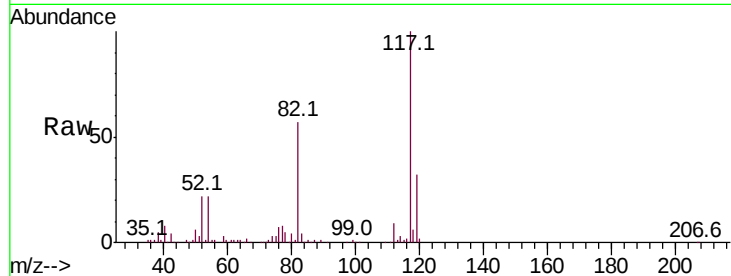




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

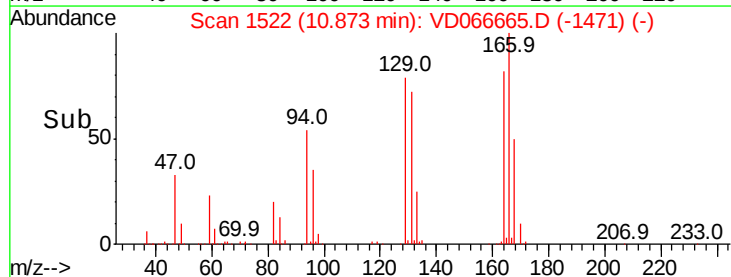
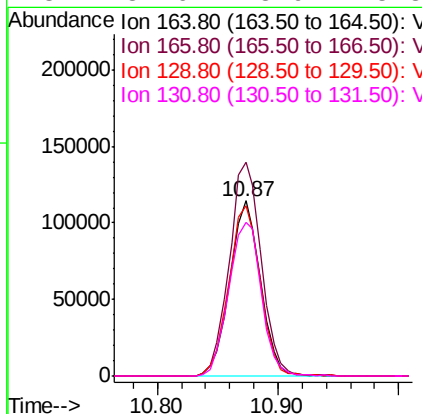
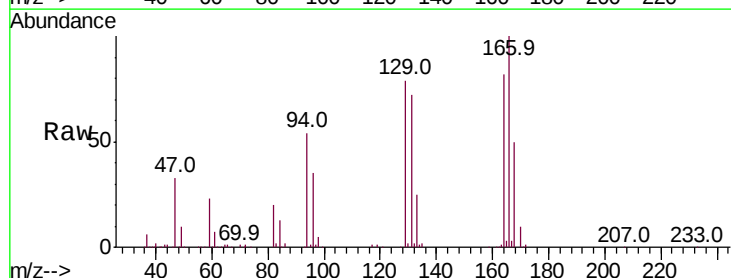
Instrument :
MSVOA_D
ClientSampleId :

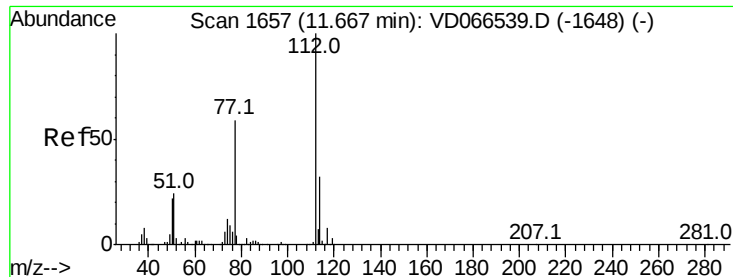
Tot Ion:117 Resp: 561739
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.2
119 31.7 25.8 38.8



#64
Tetrachloroethene
Concen: 53.547 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion:164 Resp: 202527
Ion Ratio Lower Upper
164 100
166 122.2 103.2 154.8
129 97.1 84.5 126.7
131 87.6 78.9 118.3

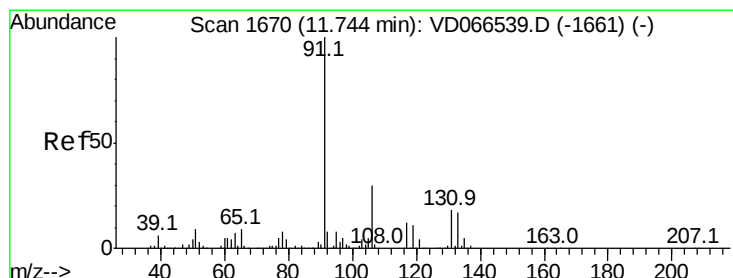
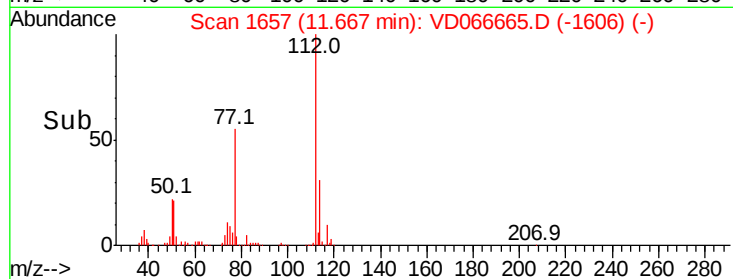
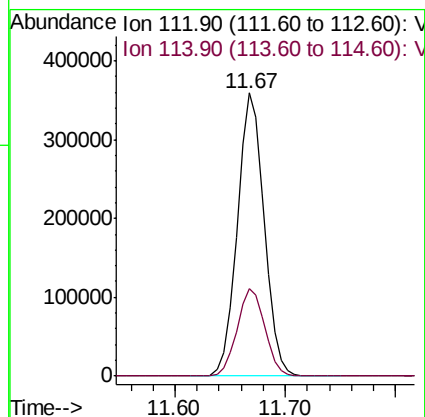
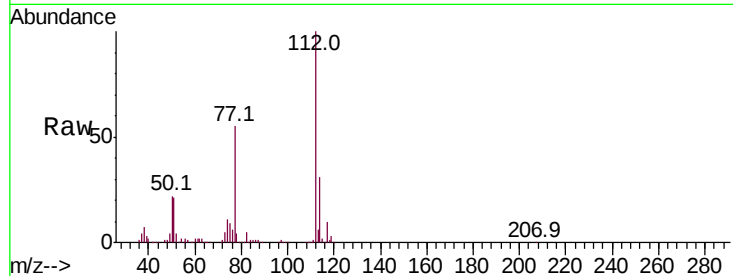




#65
Chlorobenzene
Concen: 52.768 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

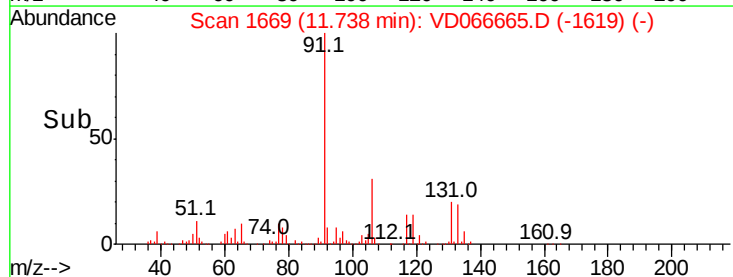
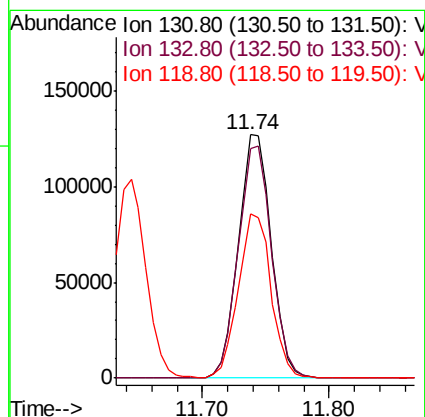
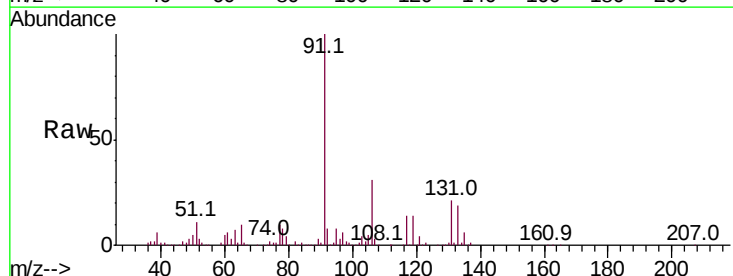
Instrument :
MSVOA_D
ClientSampleId :

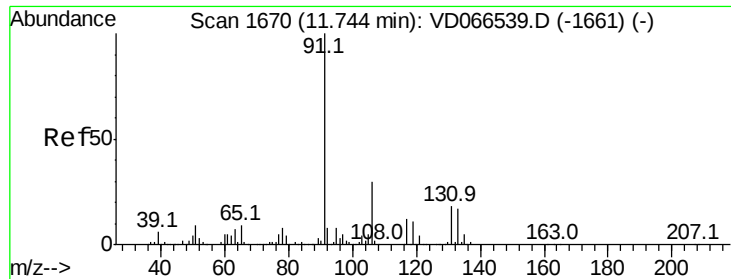
Tot Ion:112 Resp: 611787
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.664 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion:131 Resp: 228604
Ion Ratio Lower Upper
131 100
133 96.3 46.7 140.0
119 67.4 31.9 95.7

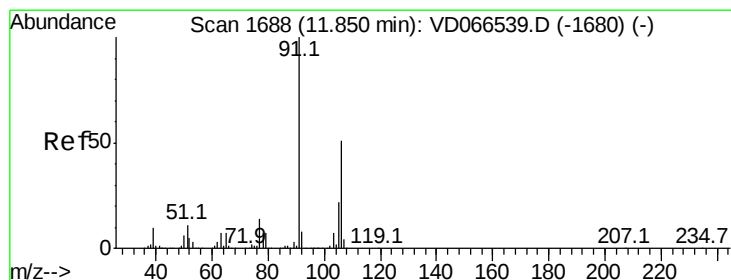
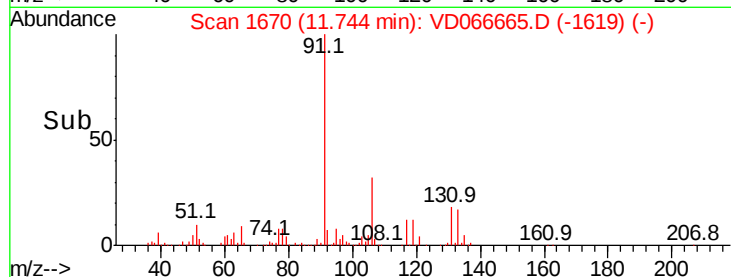
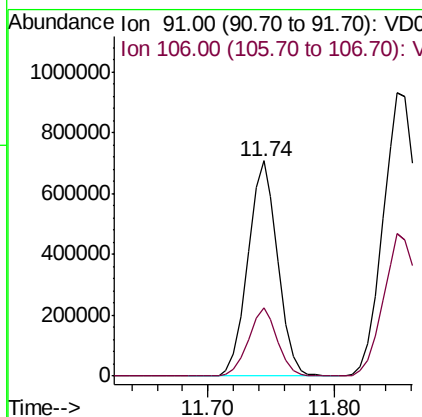
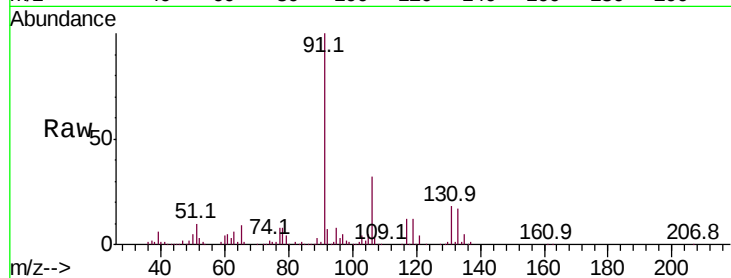




#67
Ethyl Benzene
Concen: 54.099 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

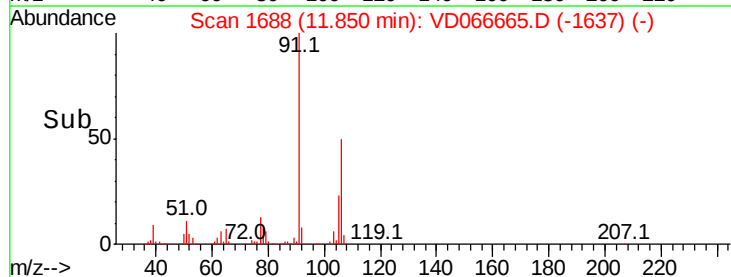
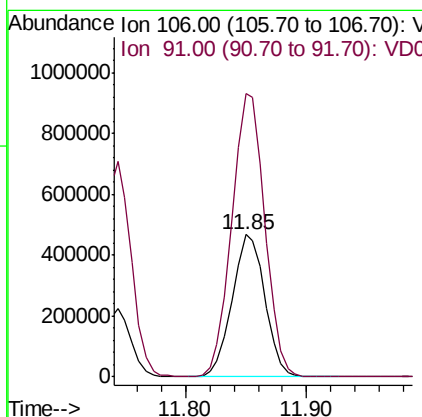
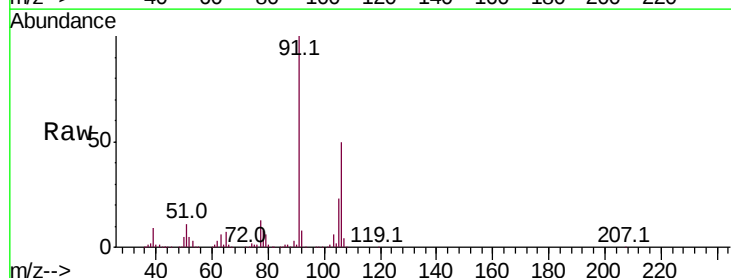
Instrument :
MSVOA_D
ClientSampleId :

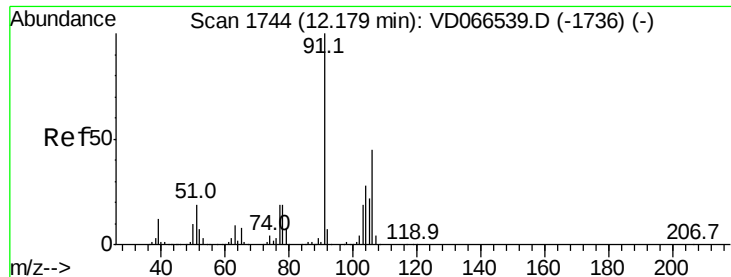
Tot Ion: 91 Resp: 1151677
Ion Ratio Lower Upper
91 100
106 31.6 24.3 36.5



#68
m/p-Xylenes
Concen: 111.794 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion:106 Resp: 883675
Ion Ratio Lower Upper
106 100
91 200.5 162.4 243.6

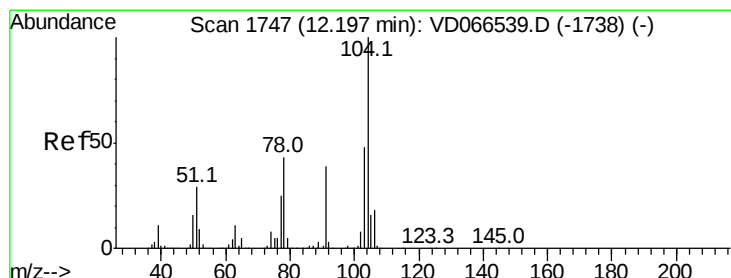
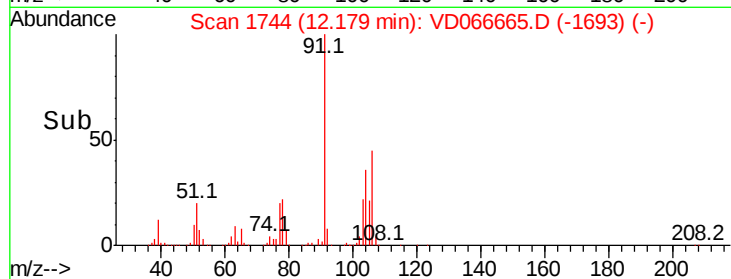
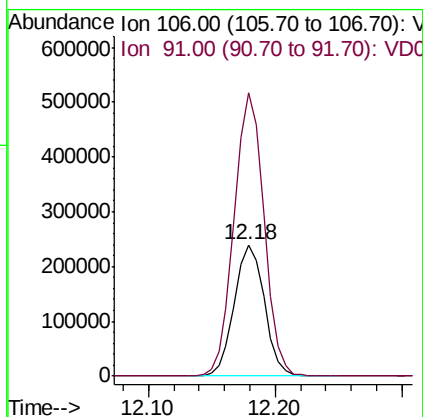
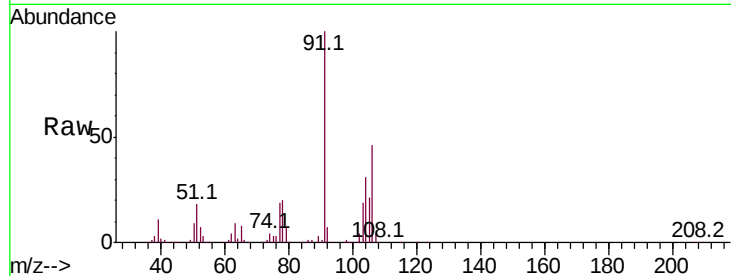




#69
o-Xylene
Concen: 55.618 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

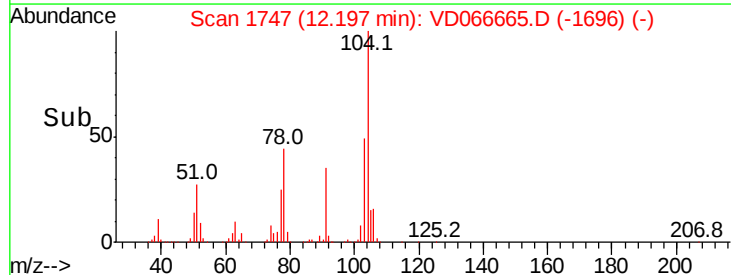
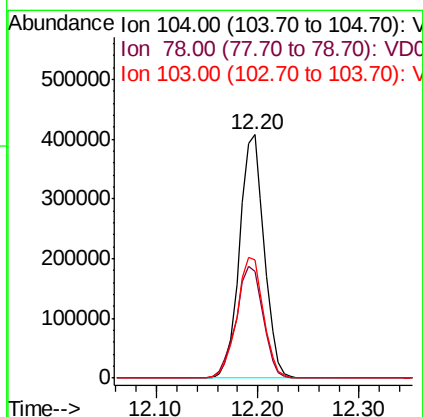
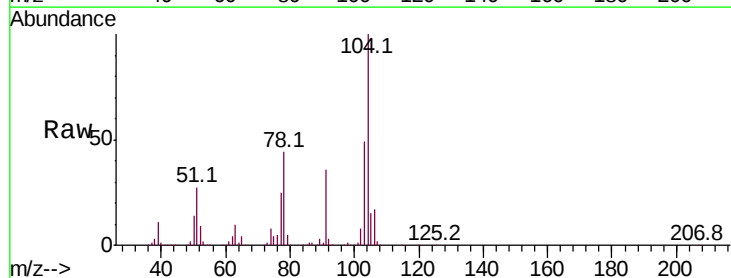
Instrument :
MSVOA_D
ClientSampleId :

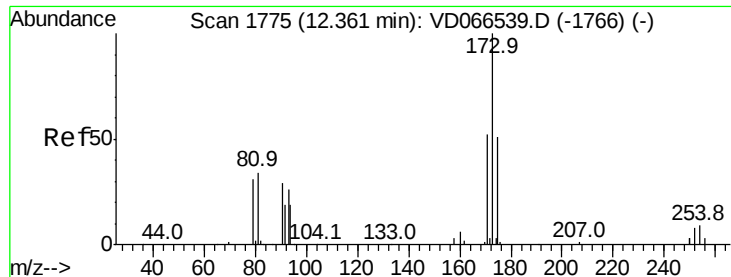
Tot Ion:106 Resp: 393997
Ion Ratio Lower Upper
106 100
91 214.1 107.9 323.8



#70
Styrene
Concen: 55.571 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion:104 Resp: 684386
Ion Ratio Lower Upper
104 100
78 50.7 40.7 61.1
103 53.5 42.9 64.3





#71

Bromoform

Concen: 52.187 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampled :

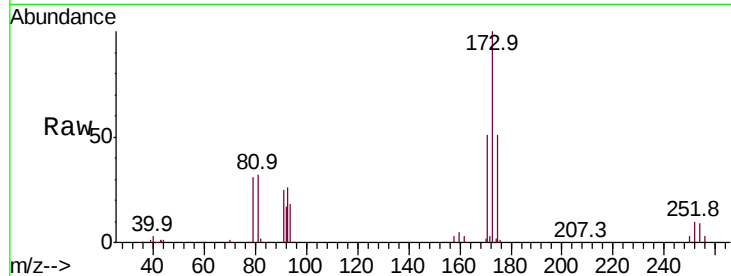
Tot Ion:173 Resp: 116375

Ion Ratio Lower Upper

173 100

175 50.0 24.2 72.6

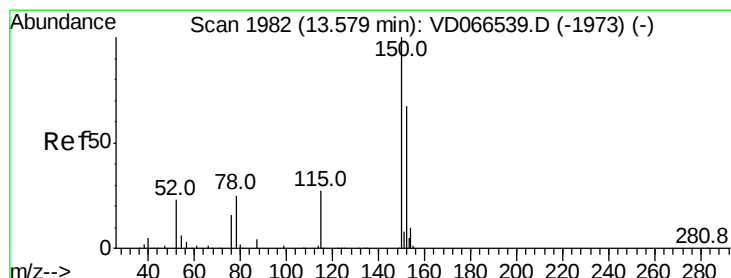
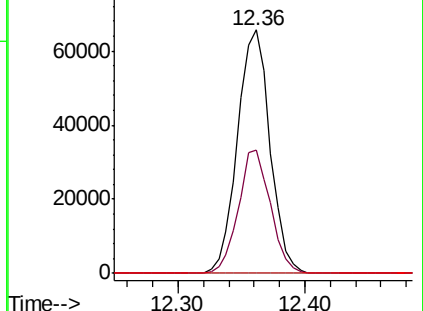
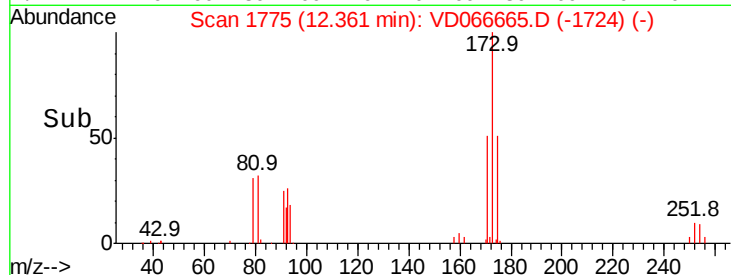
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

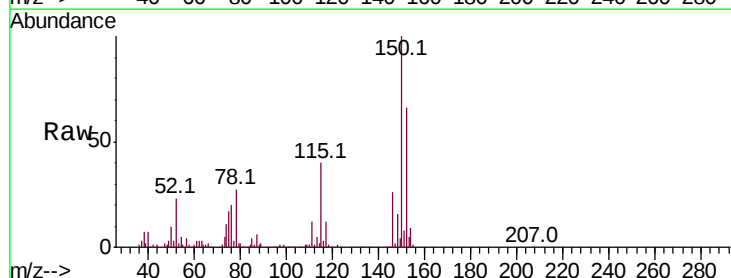
Tgt Ion:152 Resp: 268100

Ion Ratio Lower Upper

152 100

115 60.7 30.4 91.2

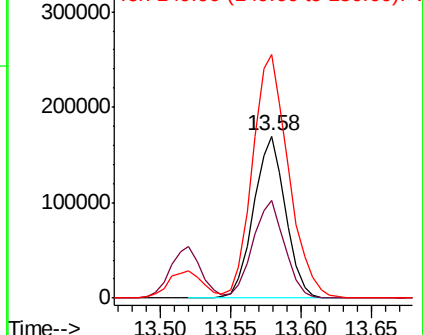
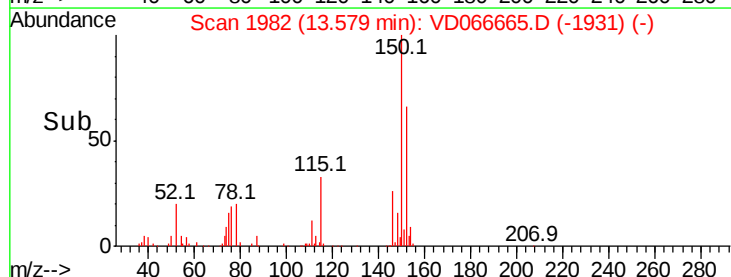
150 170.1 0.0 345.8

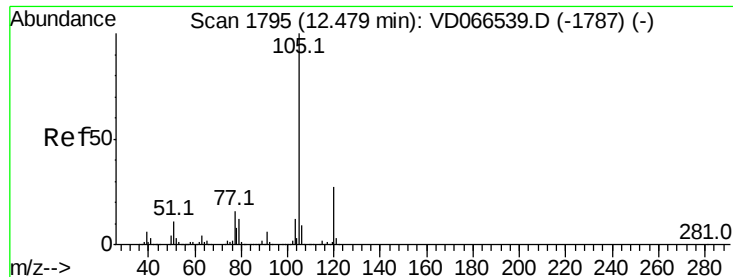


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.396 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

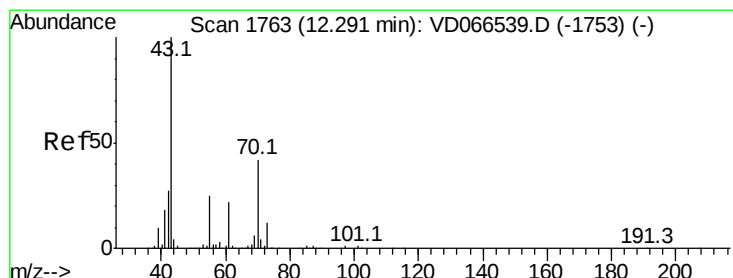
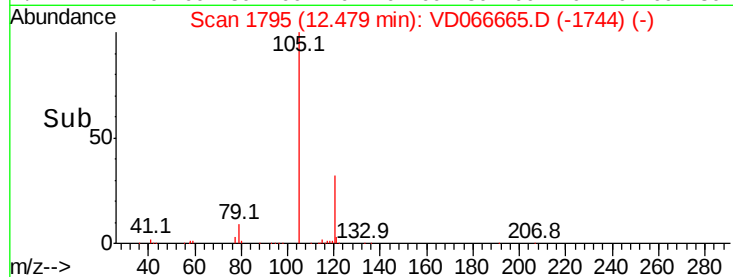
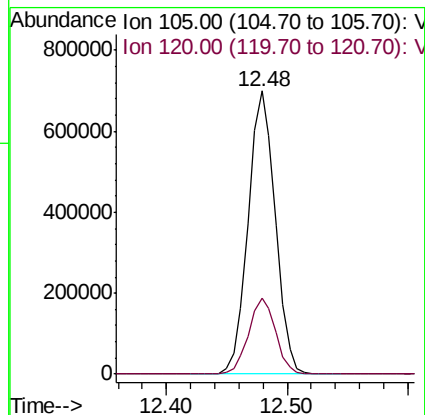
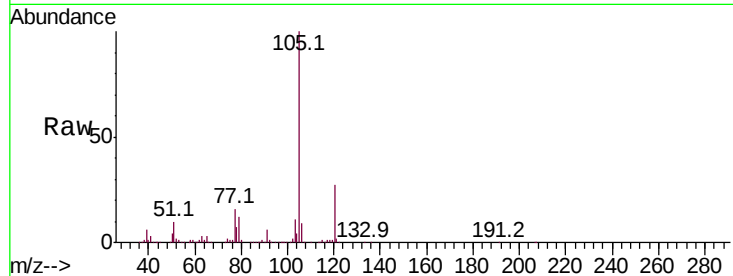
ClientSampleId :

Tot Ion:105 Resp: 1099607

Ion Ratio Lower Upper

105 100

120 26.8 13.0 39.0



#74

N-ethyl acetate

Concen: 51.769 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Tgt Ion: 43 Resp: 232741

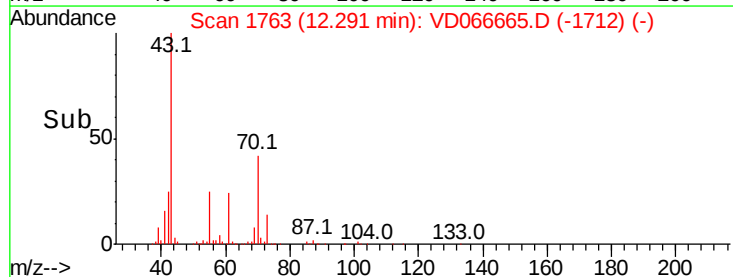
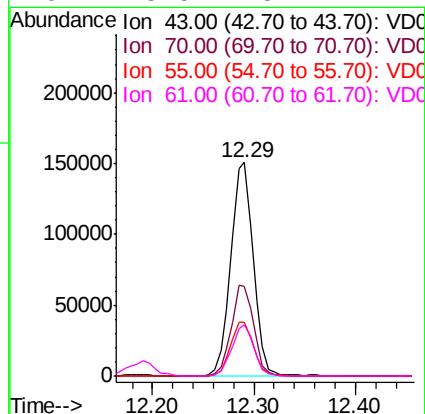
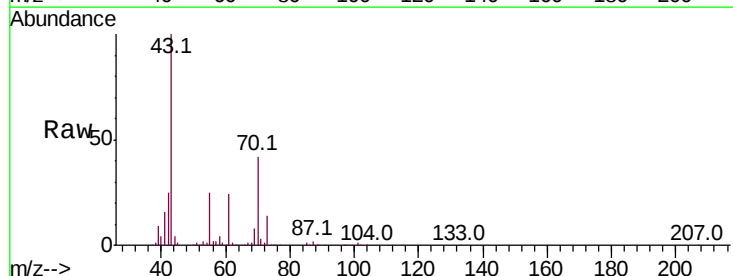
Ion Ratio Lower Upper

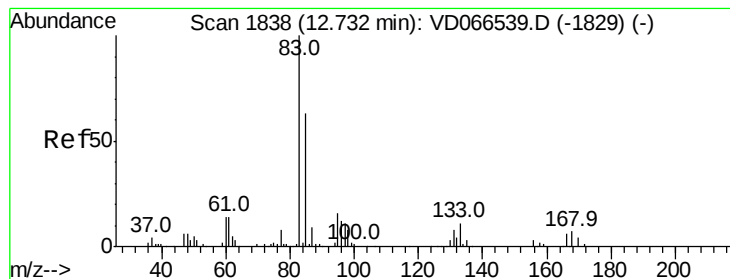
43 100

70 42.4 33.4 50.2

55 25.6 20.1 30.1

61 23.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.472 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampled :

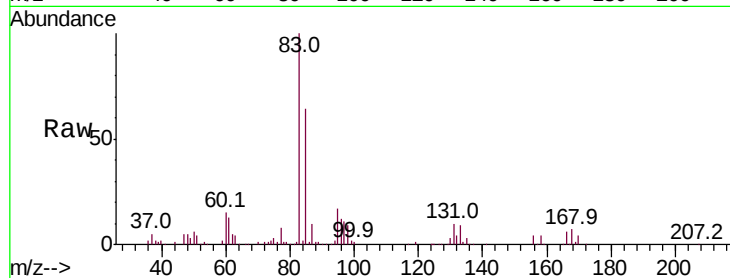
Tot Ion: 83 Resp: 176994

Ion Ratio Lower Upper

83 100

131 11.8 5.0 15.0

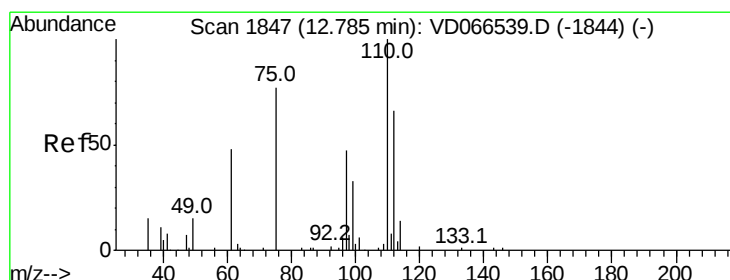
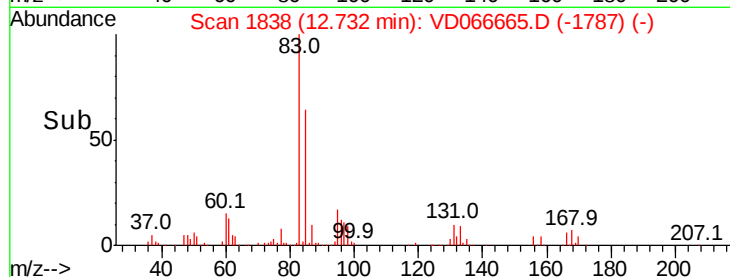
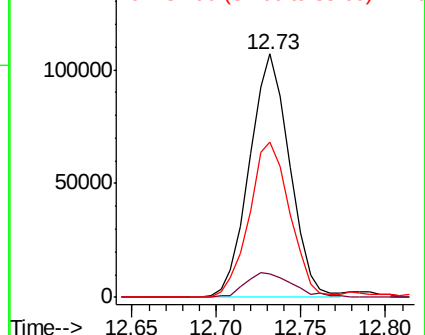
85 64.9 32.1 96.3



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: 92.995 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066665.D

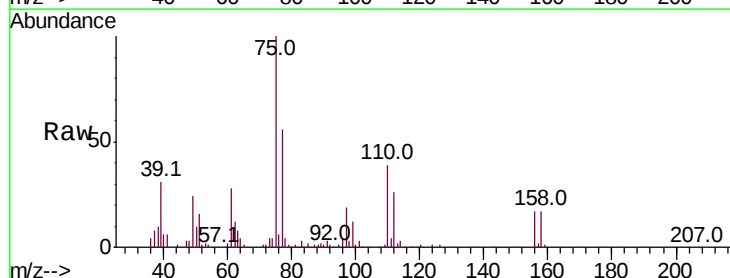
Acq: 14 Sep 2020 11:31

Tgt Ion: 75 Resp: 239780

Ion Ratio Lower Upper

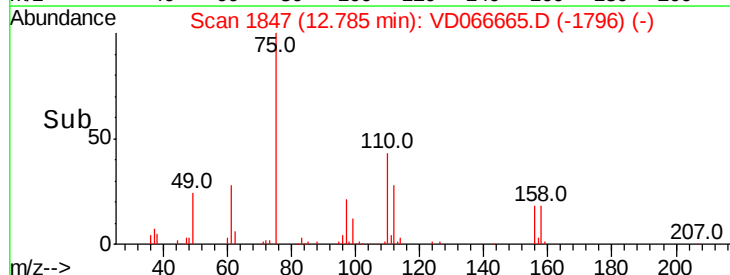
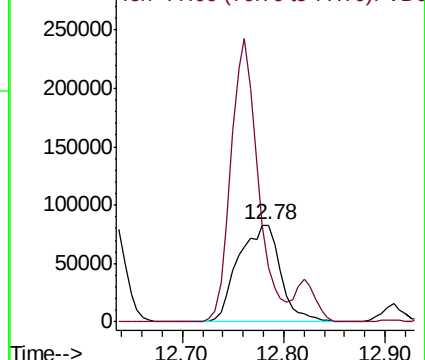
75 100

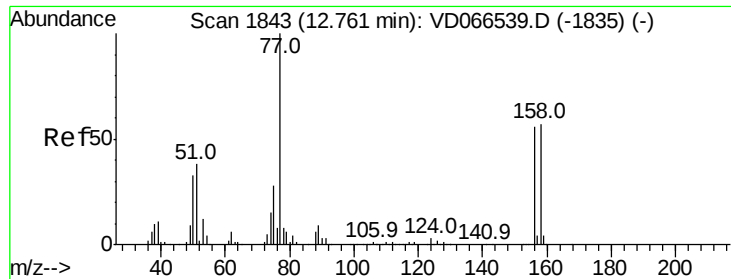
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 54.015 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampled :

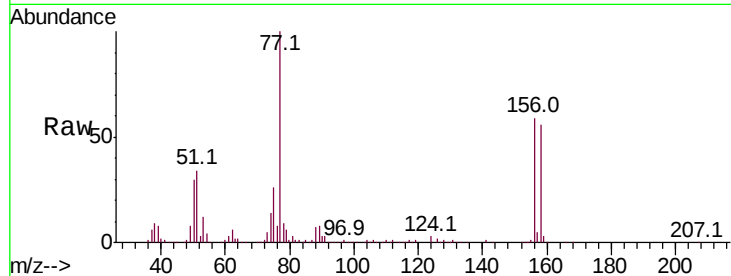
Tot Ion:156 Resp: 239037

Ion Ratio Lower Upper

156 100

77 189.4 98.0 294.1

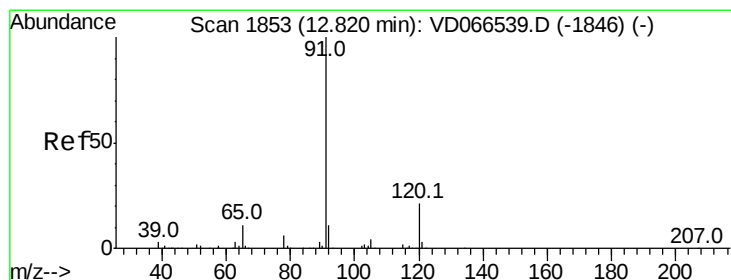
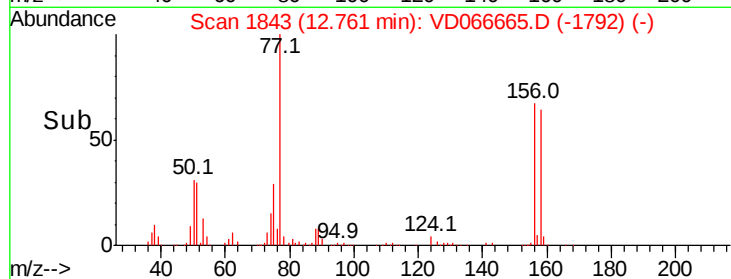
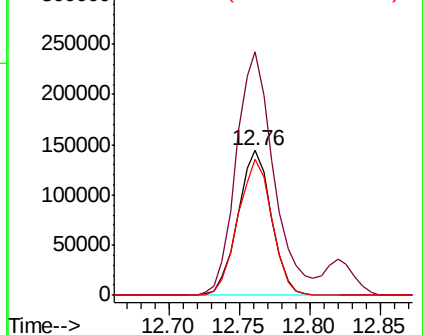
158 96.2 48.1 144.3



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: 55.274 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066665.D

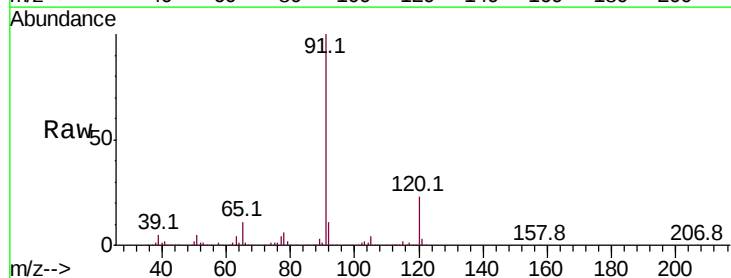
Acq: 14 Sep 2020 11:31

Tgt Ion: 91 Resp: 1330061

Ion Ratio Lower Upper

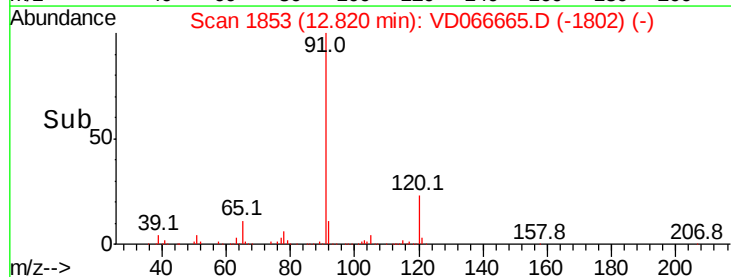
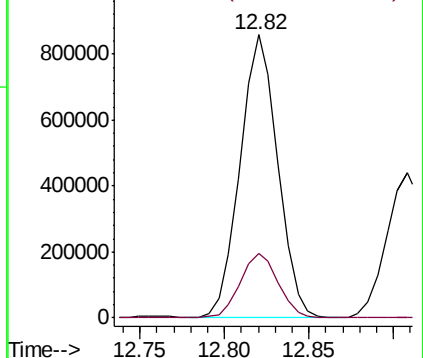
91 100

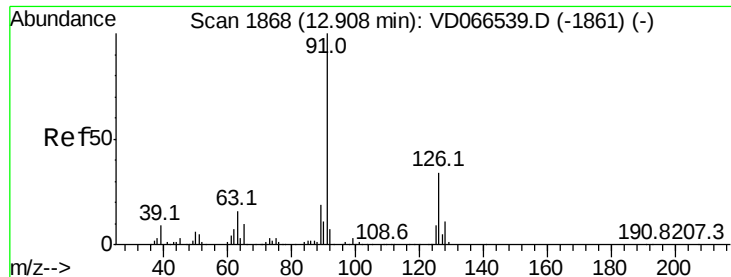
120 22.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.375 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

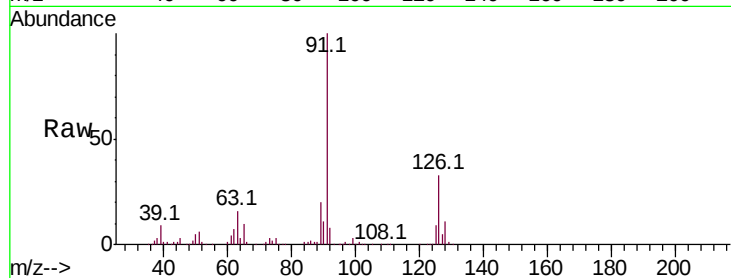
ClientSampleId :

Tot Ion: 91 Resp: 720520

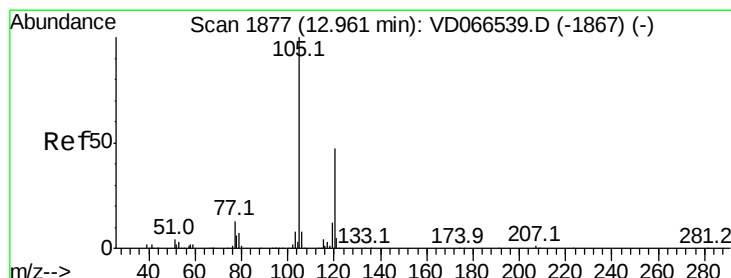
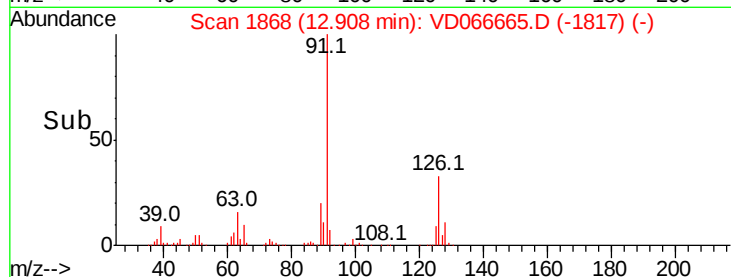
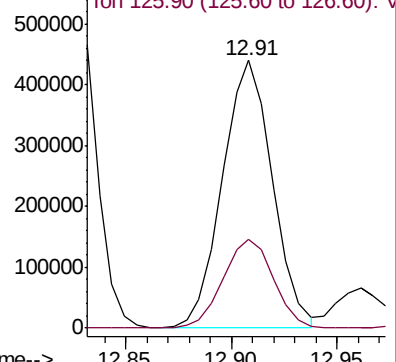
Ion Ratio Lower Upper

91 100

126 33.7 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 54.693 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066665.D

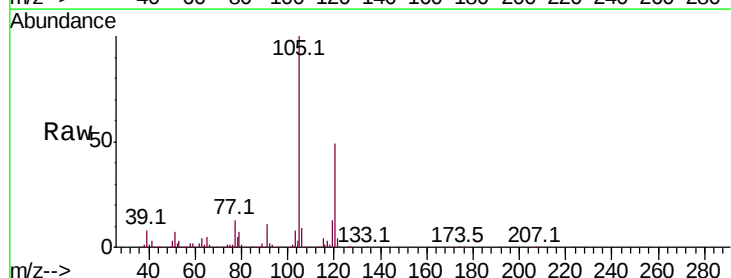
Acq: 14 Sep 2020 11:31

Tgt Ion:105 Resp: 913752

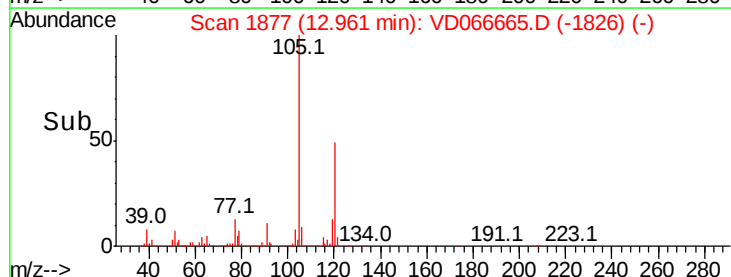
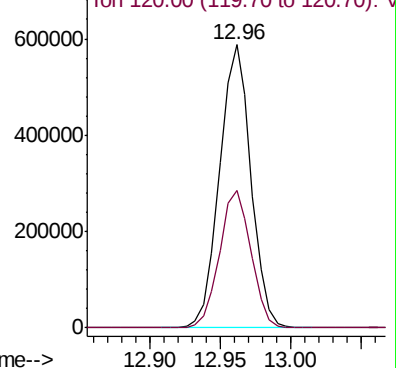
Ion Ratio Lower Upper

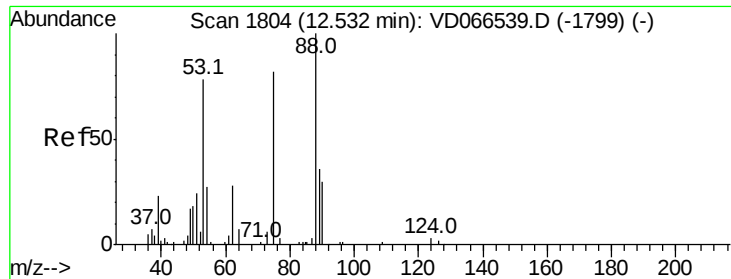
105 100

120 49.0 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.259 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

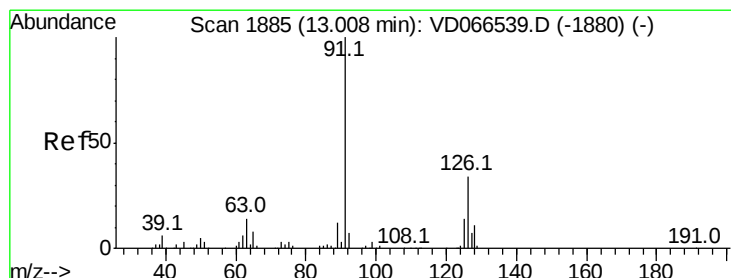
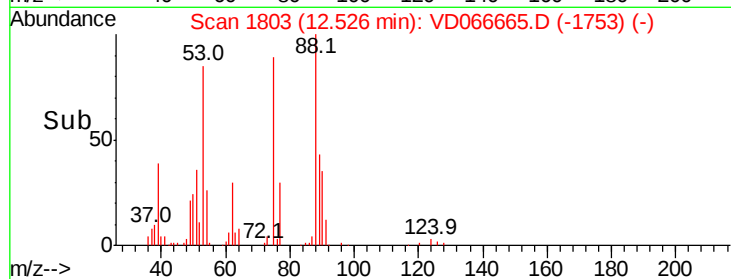
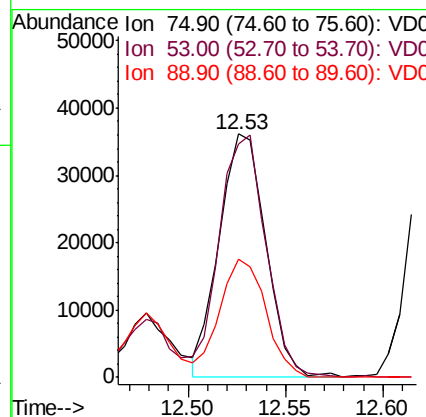
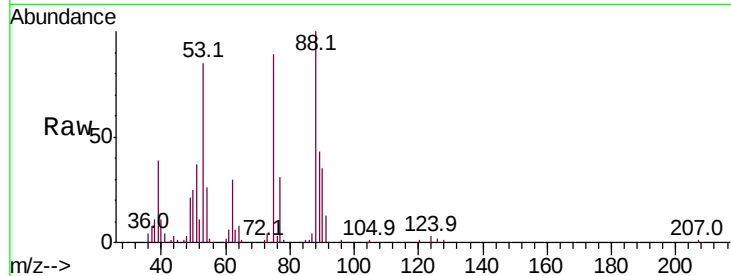
Tot Ion: 75 Resp: 59924

Ion Ratio Lower Upper

75 100

53 100.7 87.0 130.4

89 48.3 37.1 55.7



#82

4-Chlorotoluene

Concen: 54.123 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066665.D

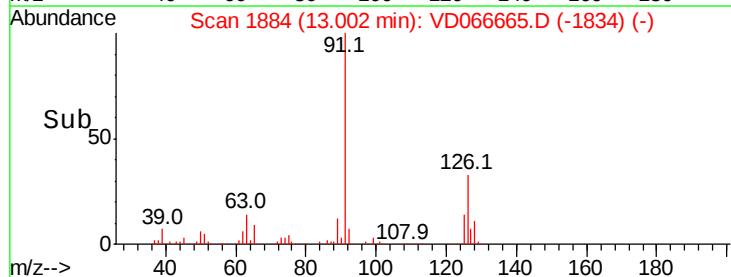
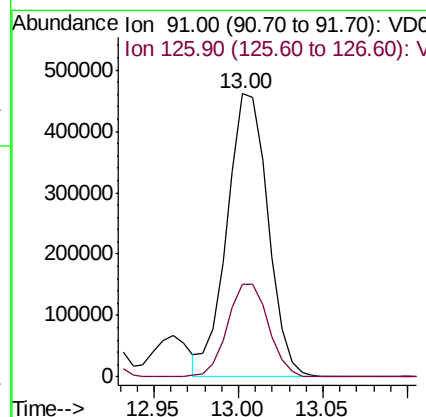
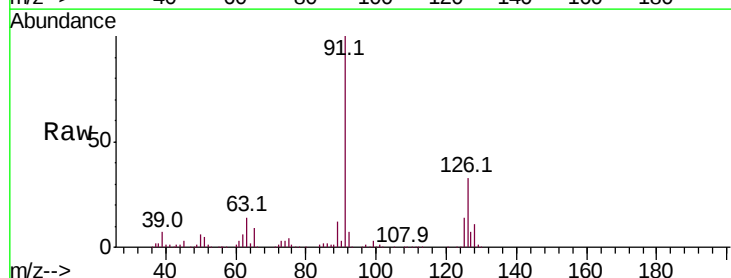
Acq: 14 Sep 2020 11:31

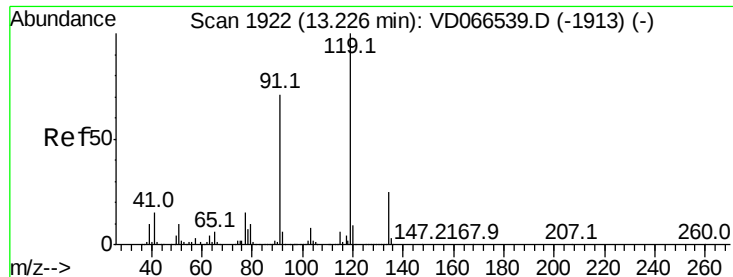
Tgt Ion: 91 Resp: 781307

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1

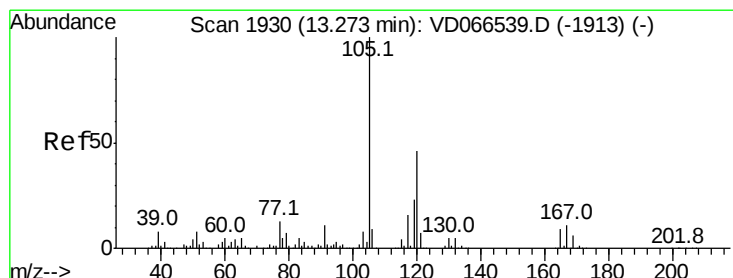
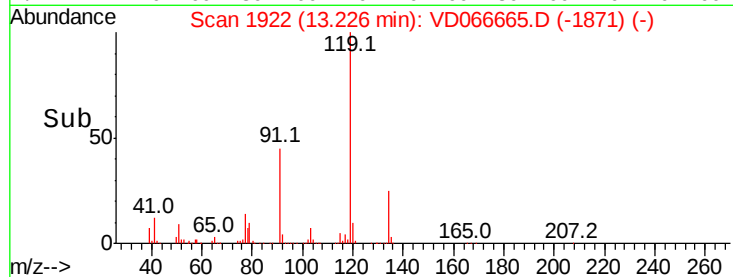
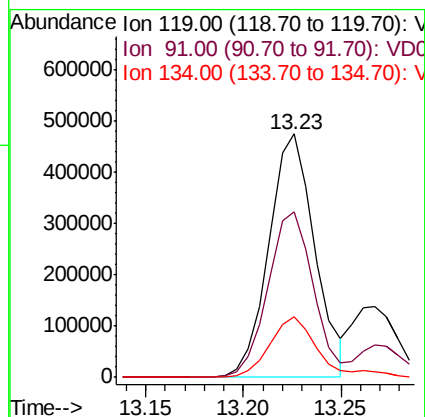
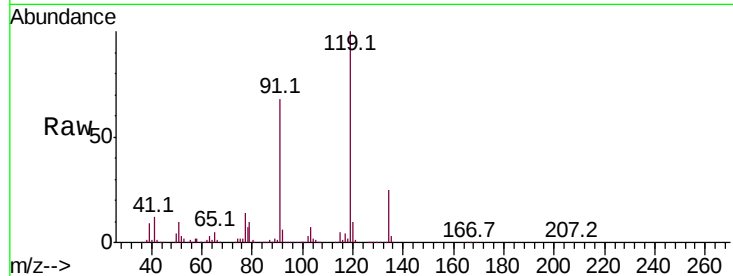




#83
tert-Butylbenzene
Concen: 56.785 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

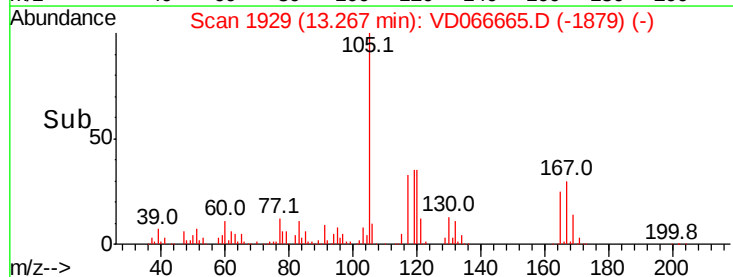
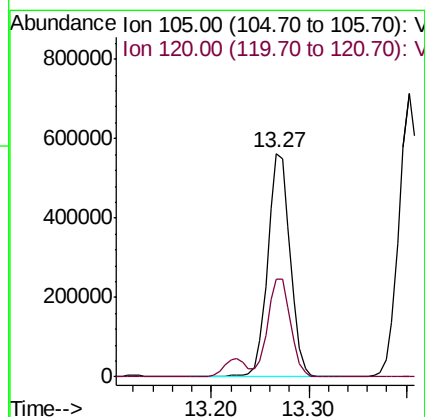
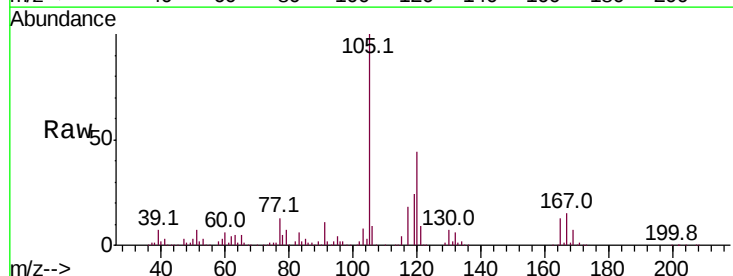
Instrument :
MSVOA_D
ClientSampleId :

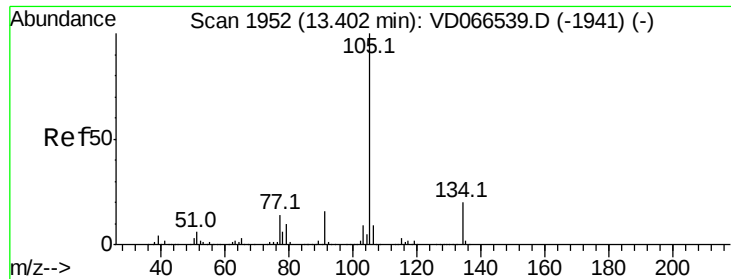
Tot Ion:119 Resp: 774722
Ion Ratio Lower Upper
119 100
91 67.1 35.2 105.6
134 26.4 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 54.699 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion:105 Resp: 909852
Ion Ratio Lower Upper
105 100
120 44.4 22.6 67.7





#85

sec-Butylbenzene

Concen: 56.170 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

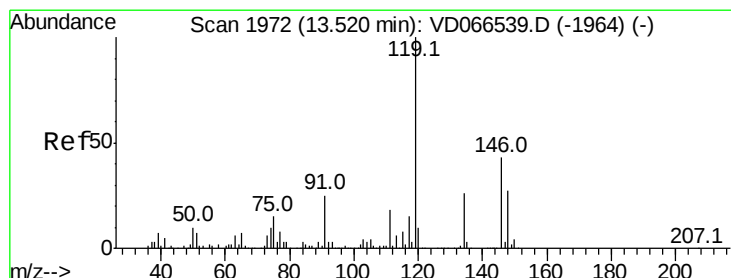
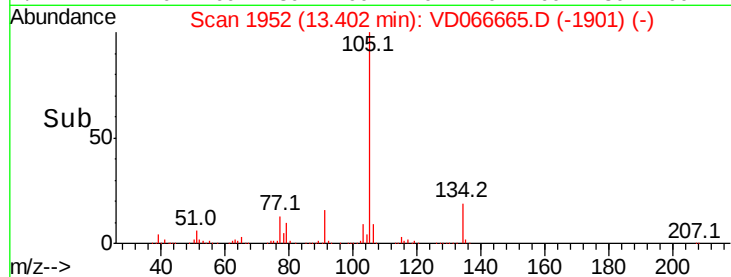
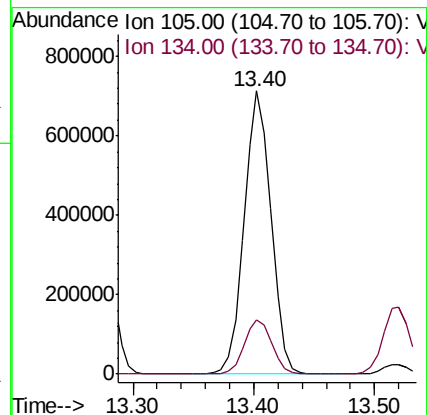
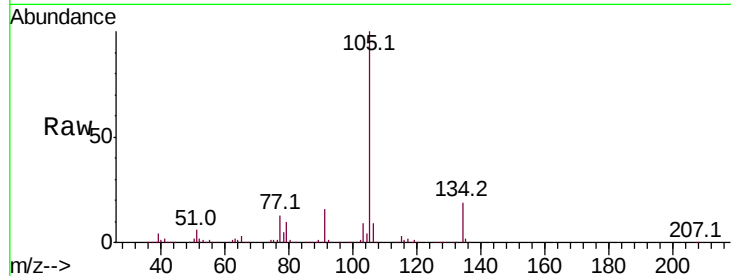
ClientSampleId :

Tot Ion:105 Resp: 1104089

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.5



#86

p-Isopropyltoluene

Concen: 56.678 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

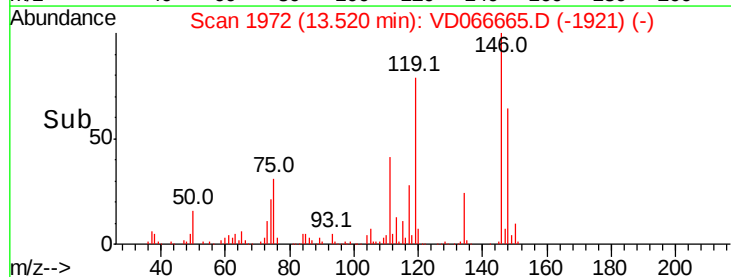
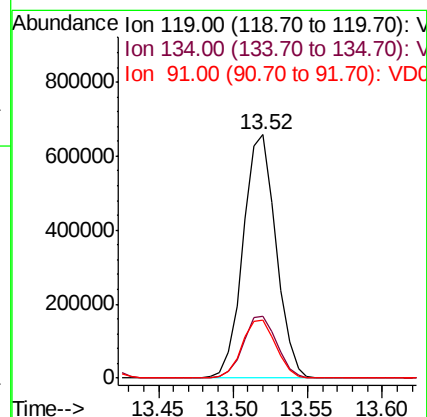
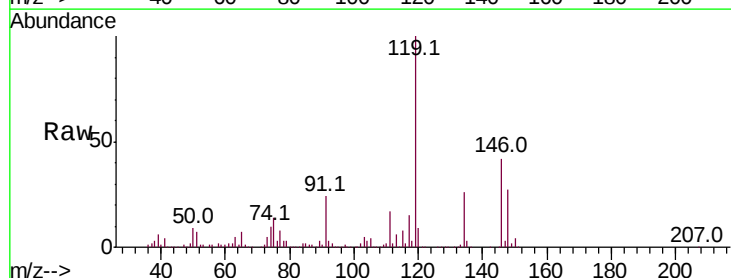
Tgt Ion:119 Resp: 1002730

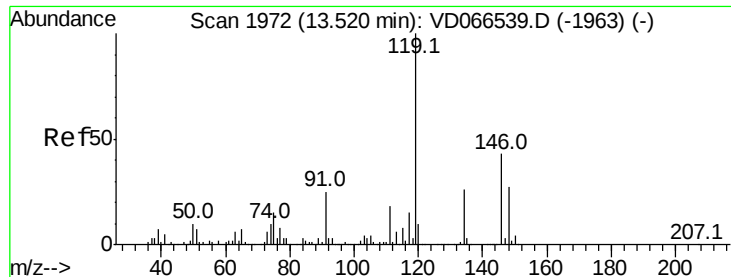
Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.0

91 24.7 12.5 37.5

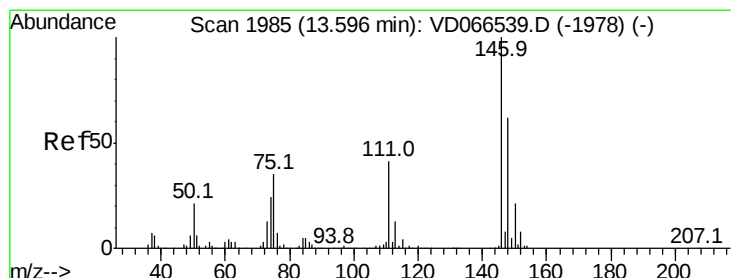
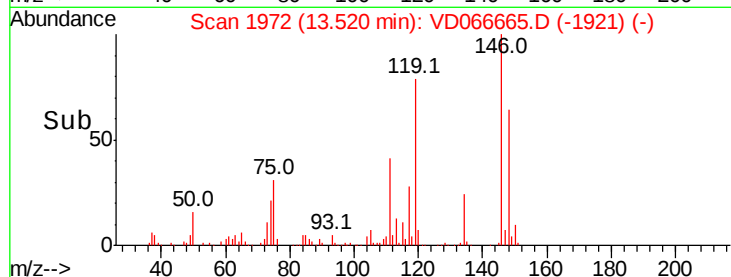
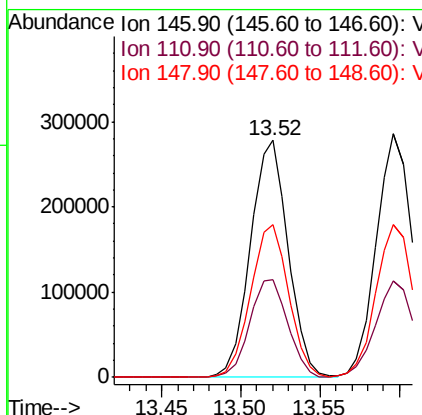
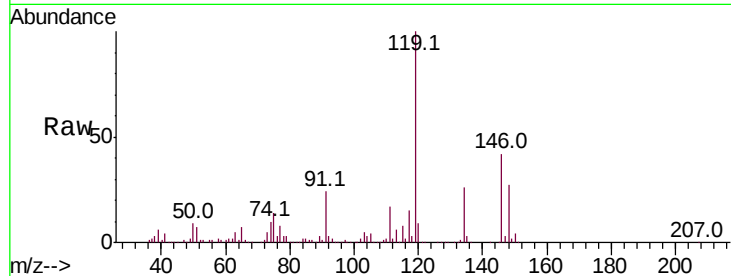




#87
 1,3-Dichlorobenzene
 Concen: 52.267 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

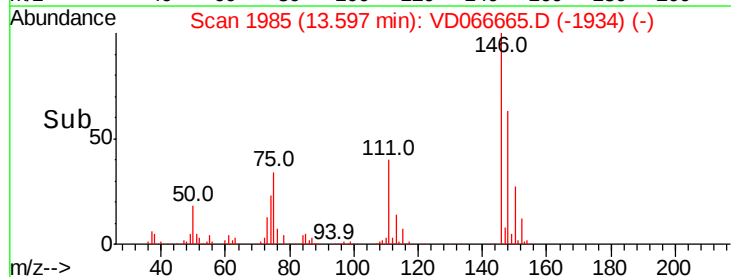
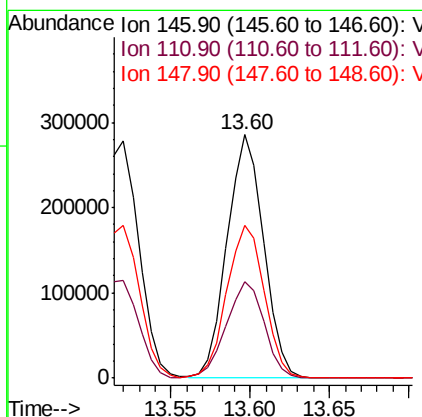
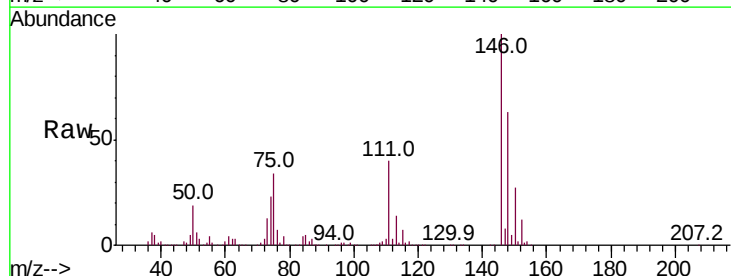
Instrument :
 MSVOA_D
 ClientSampleId :

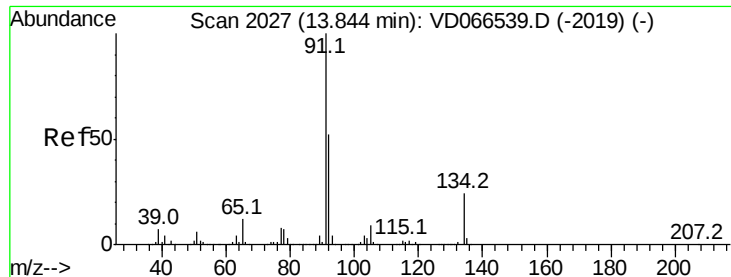
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.9
148	65.0	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 51.762 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.1	60.2
148	64.5	31.6	94.8

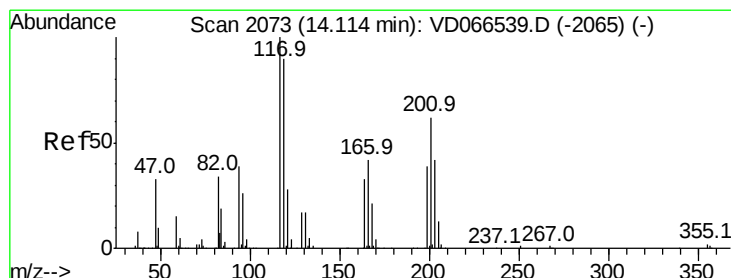
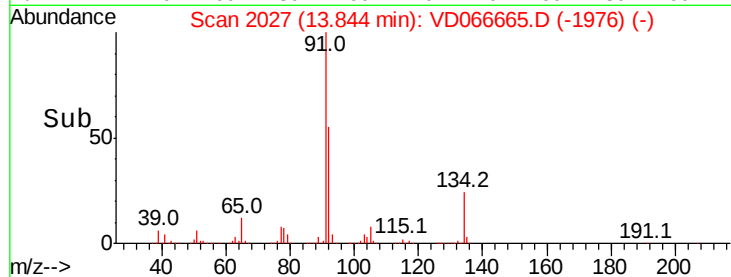
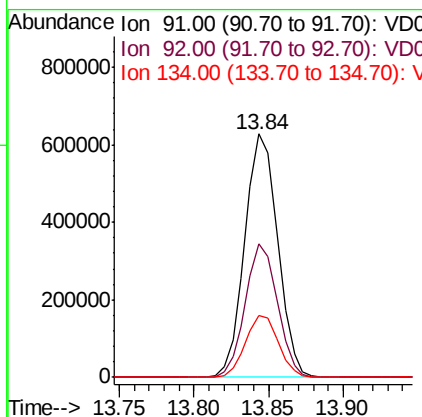
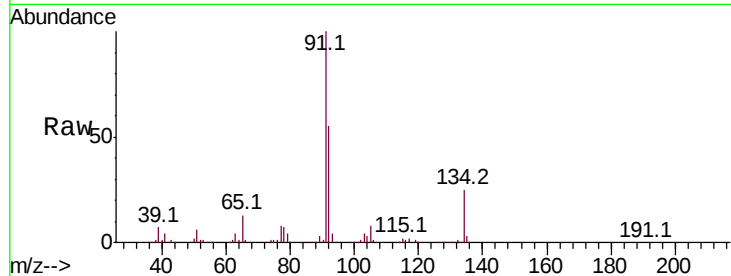




#89
n-Butylbenzene
Concen: 55.661 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

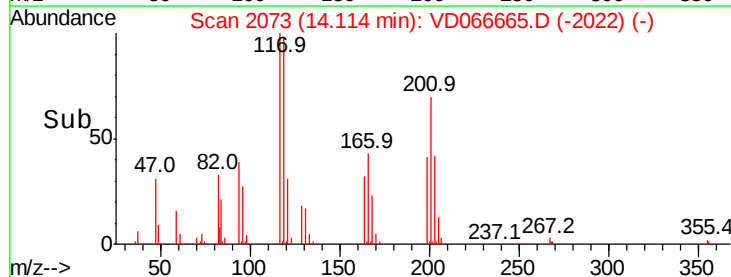
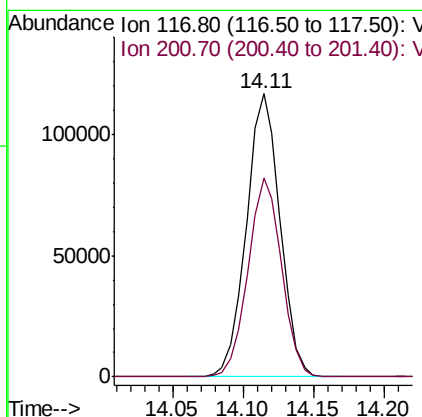
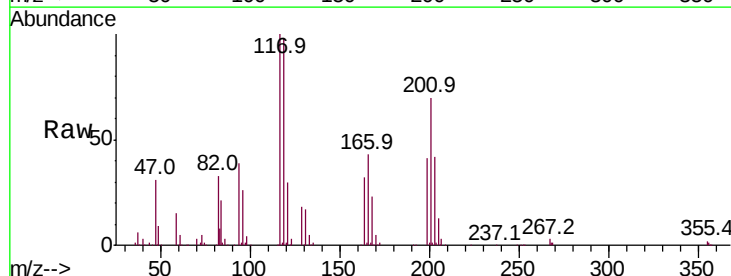
Instrument :
MSVOA_D
ClientSampled :

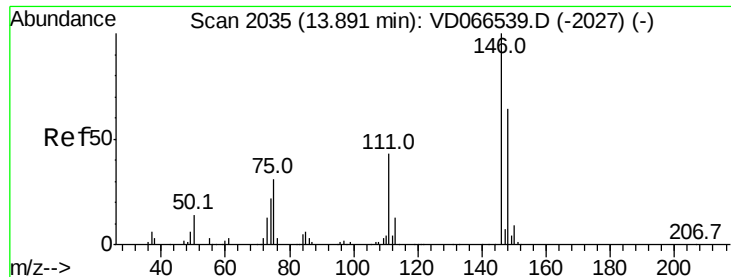
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.5	79.5
134	25.4	12.1	36.3



#90
Hexachloroethane
Concen: 51.296 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066665.D
Acq: 14 Sep 2020 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 51.448 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

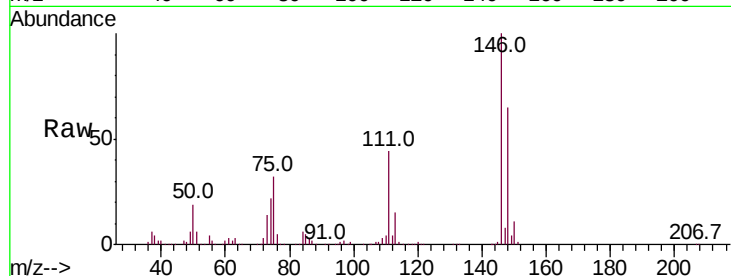
Tot Ion:146 Resp: 395074

Ion Ratio Lower Upper

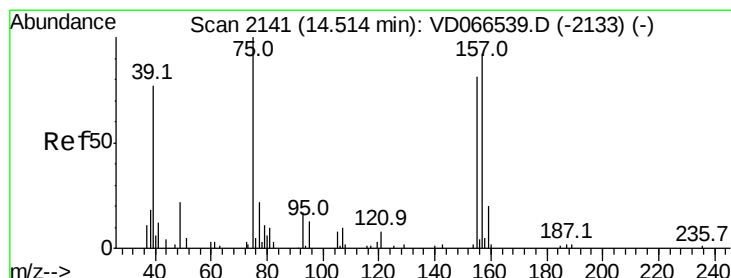
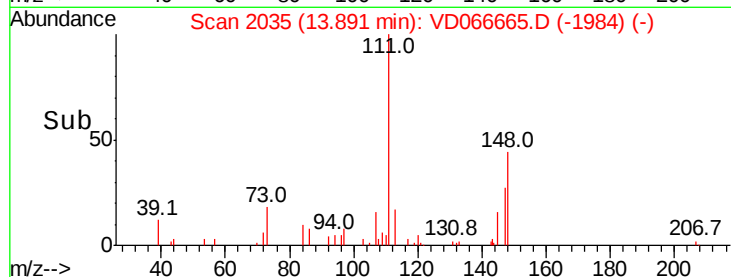
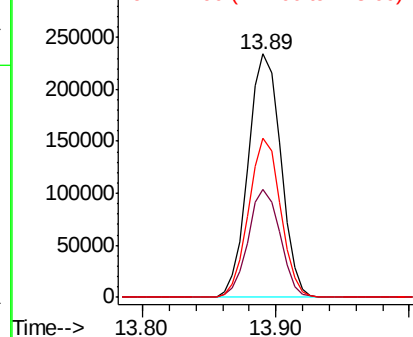
146 100

111 43.2 21.1 63.4

148 63.7 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.741 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

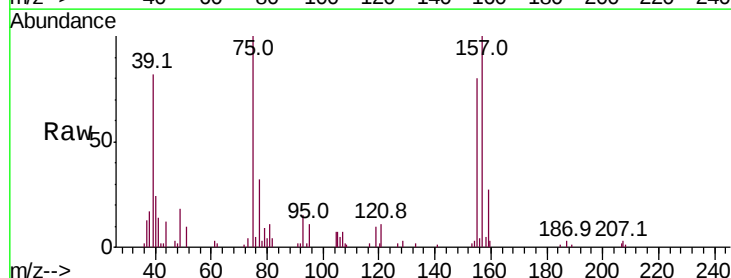
Tgt Ion: 75 Resp: 28440

Ion Ratio Lower Upper

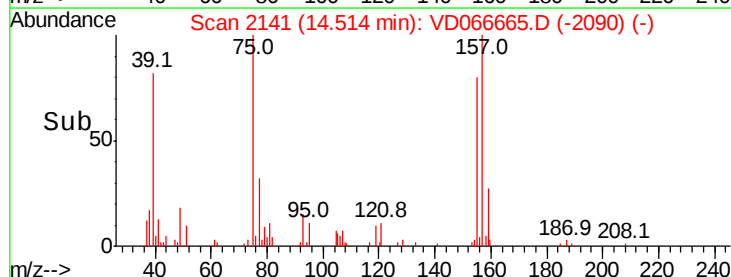
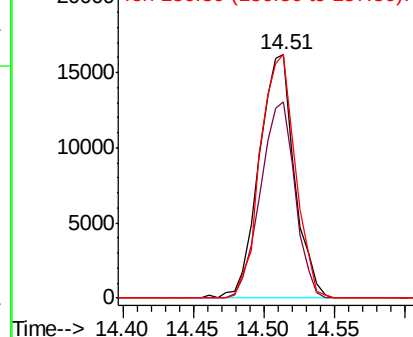
75 100

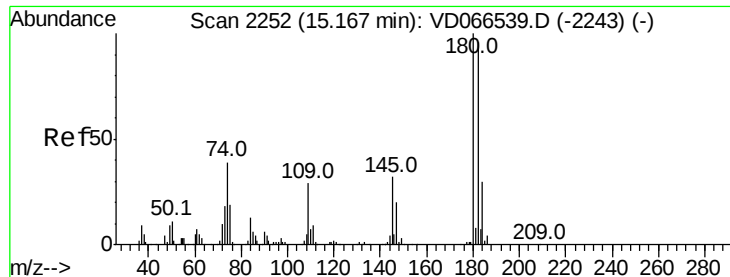
155 78.4 39.3 117.8

157 98.9 46.0 137.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

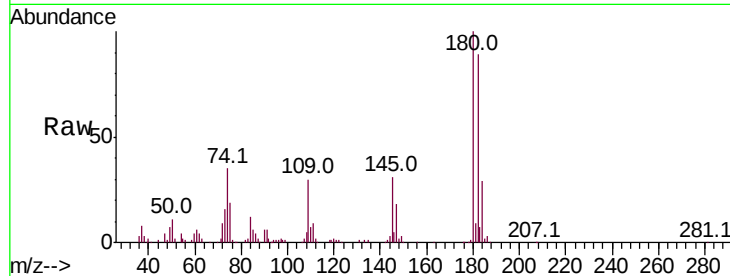




#93
 1,2,4-Trichlorobenzene
 Concen: 56.222 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.4	145.0
145	32.4	16.7	50.0

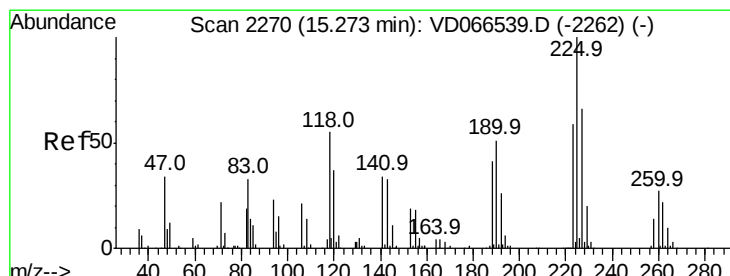
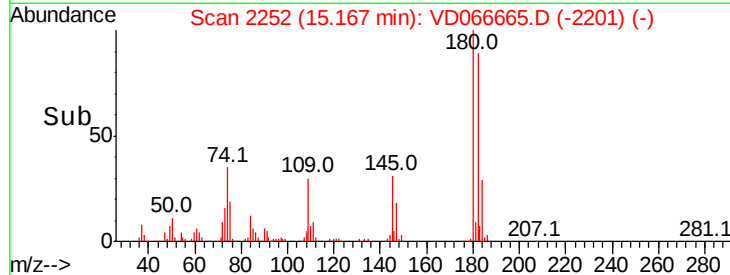
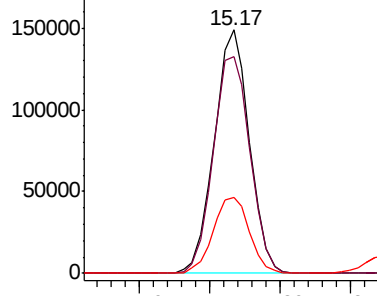


Abundance

Ion 179.80 (179.50 to 180.50): V

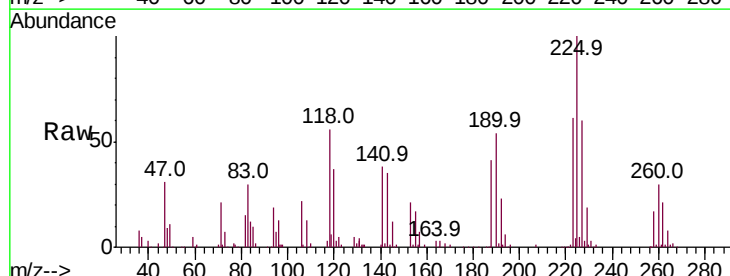
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 54.259 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066665.D
 Acq: 14 Sep 2020 11:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	30.5	91.5
227	61.8	32.4	97.2

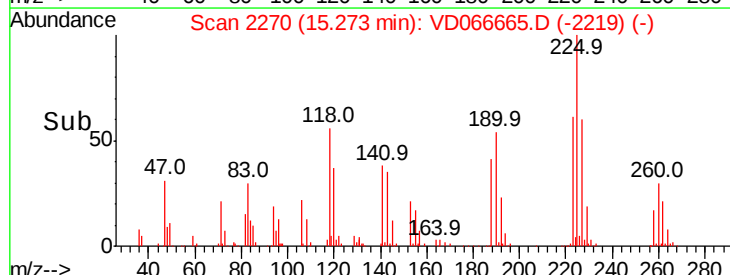
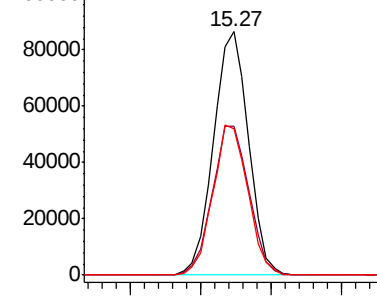


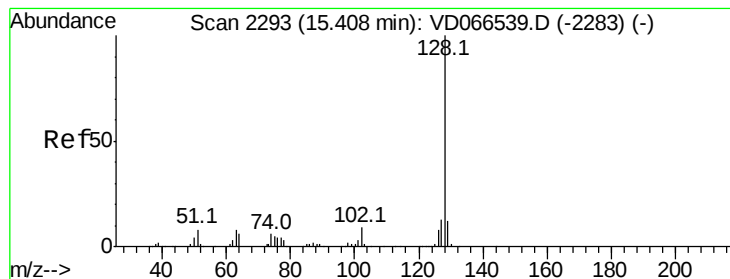
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 57.131 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

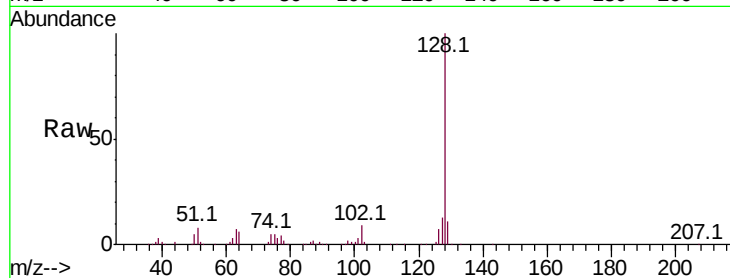
Tot Ion:128 Resp: 460095

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

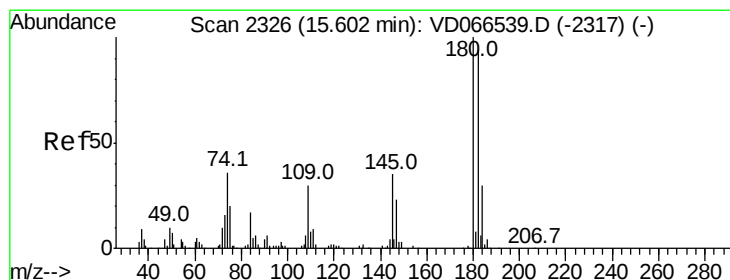
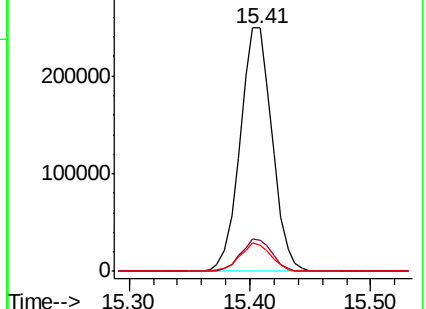
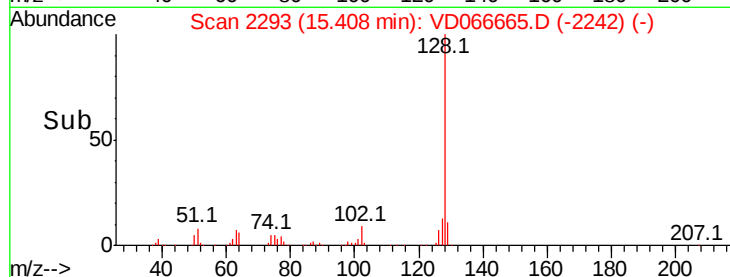
129 11.2 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 56.980 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066665.D

Acq: 14 Sep 2020 11:31

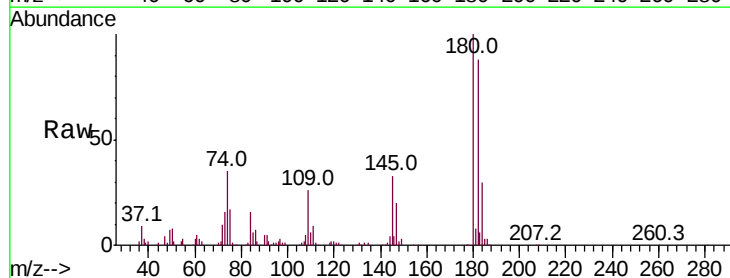
Tgt Ion:180 Resp: 223881

Ion Ratio Lower Upper

180 100

182 93.0 47.9 143.6

145 34.1 17.3 51.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

