

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066994.D
 Acq On : 01 Oct 2020 15:57
 Operator : VA/SY
 Sample : VD1001SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBSD01

Quant Time: Oct 02 00:40:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	753352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	695170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340504	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	230825	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
35) Dibromofluoromethane	7.91	113	244381	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.34	98	918166	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.63	95	311845	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	97890	22.644	ug/l	90
3) Chloromethane	2.21	50	84030	22.003	ug/l	94
4) Vinyl Chloride	2.35	62	82134	21.448	ug/l	90
5) Bromomethane	2.76	94	61452	22.515	ug/l	92
6) Chloroethane	2.92	64	47152	20.219	ug/l #	83
7) Trichlorofluoromethane	3.27	101	180228	21.183	ug/l	99
8) Diethyl Ether	3.71	74	44689	21.182	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	100248	20.847	ug/l	99
10) Methyl Iodide	4.30	142	89776	19.213	ug/l	99
11) Tert butyl alcohol	5.20	59	21693	39.155	ug/l	99
12) 1,1-Dichloroethene	4.07	96	93159	20.607	ug/l	96
13) Acrolein	3.92	56	31490	101.813	ug/l	99
14) Allyl chloride	4.71	41	125832	21.426	ug/l	99
15) Acrylonitrile	5.42	53	83897	108.045	ug/l	98
16) Acetone	4.16	43	74621	105.830	ug/l	100
17) Carbon Disulfide	4.41	76	293260	21.138	ug/l	100
18) Methyl Acetate	4.72	43	38121	21.511	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	177795	21.544	ug/l	98
20) Methylene Chloride	4.97	84	139455	24.103	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	108895	21.166	ug/l	96
22) Diisopropyl ether	6.36	45	242494	22.617	ug/l	99
23) Vinyl Acetate	6.31	43	663369	109.188	ug/l	100
24) 1,1-Dichloroethane	6.26	63	175768	21.243	ug/l	100
25) 2-Butanone	7.21	43	107989	108.024	ug/l	97
26) 2,2-Dichloropropane	7.21	77	159799	20.120	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	117053	21.304	ug/l	98
28) Bromochloromethane	7.54	49	65537	20.510	ug/l	100
29) Tetrahydrofuran	7.56	42	63086	109.752	ug/l	98
30) Chloroform	7.71	83	187976	20.942	ug/l	99
31) Cyclohexane	7.98	56	144729	20.864	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	174781	21.011	ug/l	99
36) 1,1-Dichloropropene	8.11	75	148221	21.108	ug/l	100
37) Ethyl Acetate	7.30	43	50170	20.624	ug/l	98
38) Carbon Tetrachloride	8.10	117	161523	21.259	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156364	21.062	ug/l	97
40) Benzene	8.35	78	419444	21.505	ug/l	97
41) Methacrylonitrile	7.54	41	43866	33.378	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	119827	21.986	ug/l	97
43) Isopropyl Acetate	8.45	43	99987	22.311	ug/l	98
44) Trichloroethene	9.11	130	120904	20.759	ug/l	98
45) 1,2-Dichloropropane	9.38	63	98807	21.561	ug/l	97
46) Dibromomethane	9.47	93	56667	21.514	ug/l	97
47) Bromodichloromethane	9.66	83	144964	21.173	ug/l	99
48) Methyl methacrylate	9.45	41	45080	19.635	ug/l #	82
49) 1,4-Dioxane	9.47	88	12849	467.408	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	244531	109.547	ug/l	99
52) Toluene	10.40	92	269381	21.441	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	131212	21.443	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	158348	21.192	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	77419	21.141	ug/l	89
56) Ethyl methacrylate	10.66	69	84328	22.305	ug/l	98
57) 1,3-Dichloropropane	10.94	76	129338	21.780	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	227719	108.216	ug/l	97
59) 2-Hexanone	10.98	43	167299	112.292	ug/l	100
60) Dibromochloromethane	11.14	129	104334	21.377	ug/l	98
61) 1,2-Dibromoethane	11.24	107	74524	21.183	ug/l	96
64) Tetrachloroethene	10.88	164	107051	21.182	ug/l	89
65) Chlorobenzene	11.67	112	291034	21.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	110704	21.049	ug/l	99
67) Ethyl Benzene	11.74	91	508543	21.467	ug/l	99
68) m/p-Xylenes	11.85	106	396741	42.974	ug/l	100
69) o-Xylene	12.18	106	178135	21.577	ug/l	99
70) Styrene	12.20	104	312231	22.024	ug/l	100
71) Bromoform	12.36	173	58097	21.281	ug/l #	100
73) Isopropylbenzene	12.48	105	482002	20.847	ug/l	100
74) N-amyl acetate	12.29	43	88305	21.246	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	80503	20.666	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	104580	35.261	ug/l #	100
77) Bromobenzene	12.76	156	118403	21.209	ug/l	98
78) n-propylbenzene	12.82	91	585848	21.440	ug/l	100
79) 2-Chlorotoluene	12.91	91	322802	20.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	417282	21.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23283	19.572	ug/l	98
82) 4-Chlorotoluene	13.01	91	353473	21.251	ug/l	99
83) tert-Butylbenzene	13.23	119	333478	20.273	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	414806	21.278	ug/l	99
85) sec-Butylbenzene	13.40	105	489979	21.151	ug/l	99
86) p-Isopropyltoluene	13.52	119	454284	21.152	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	228811	21.041	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	225143	20.706	ug/l	98
89) n-Butylbenzene	13.85	91	400953	20.428	ug/l	98
90) Hexachloroethane	14.12	117	74178	19.718	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	196633	20.705	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12925	20.583	ug/l	98

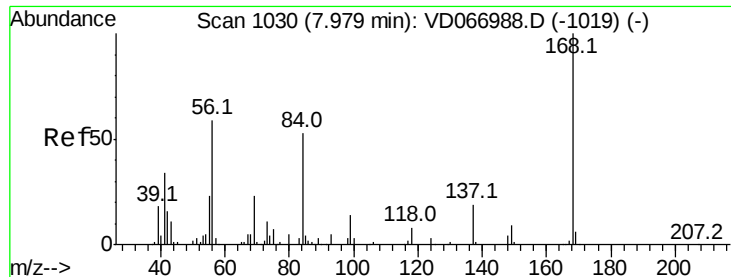
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
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Operator : VA/SY
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	125377	20.410	ug/l	99
94) Hexachlorobutadiene	15.28	225	73192	19.401	ug/l	99
95) Naphthalene	15.41	128	208749	20.373	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	111808	20.967	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

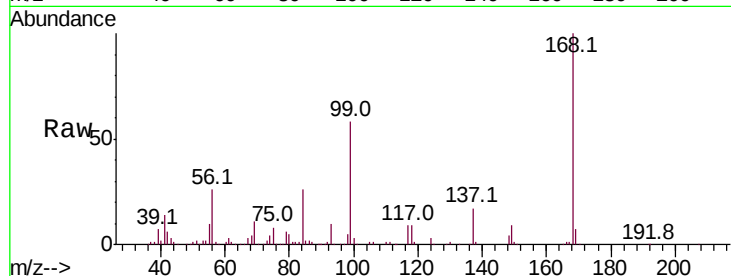
VD1001SBSD01

Tot Ion:168 Resp: 479558

Ion Ratio Lower Upper

168 100

99 57.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

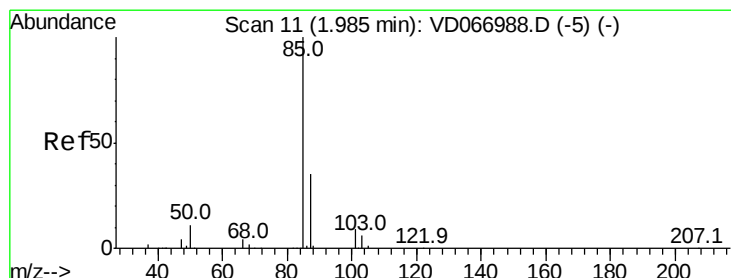
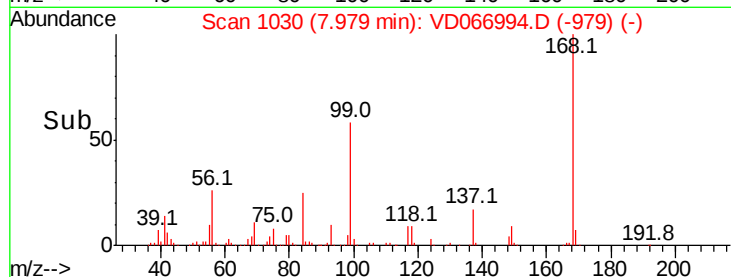
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.644 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066994.D

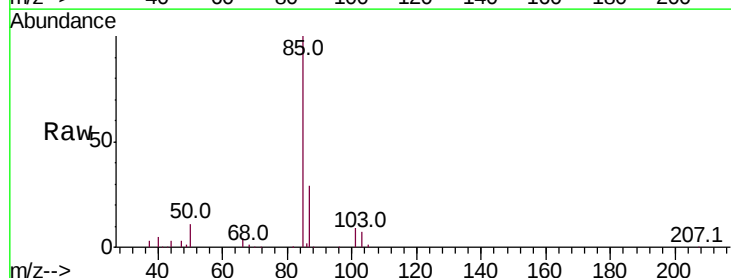
Acq: 01 Oct 2020 15:57

Tgt Ion: 85 Resp: 97890

Ion Ratio Lower Upper

85 100

87 28.9 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

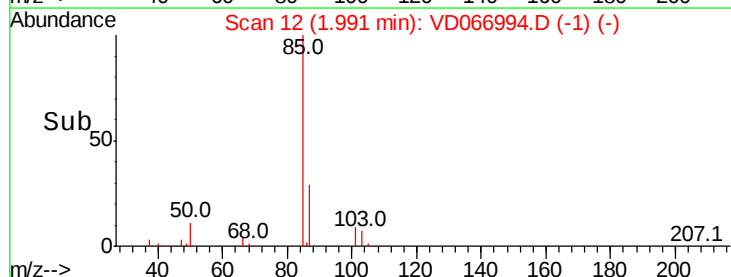
40000

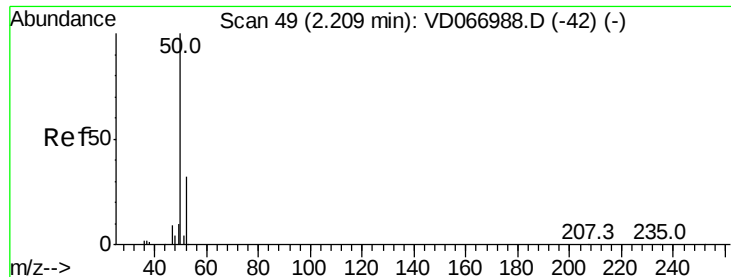
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.003 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

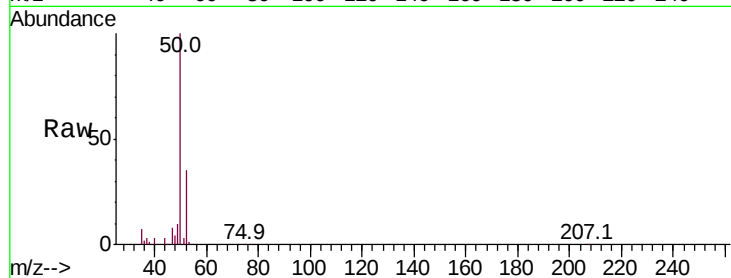
VD1001SBSD01

Tot Ion: 50 Resp: 84030

Ion Ratio Lower Upper

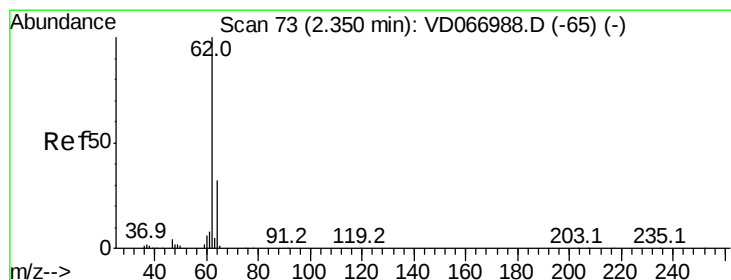
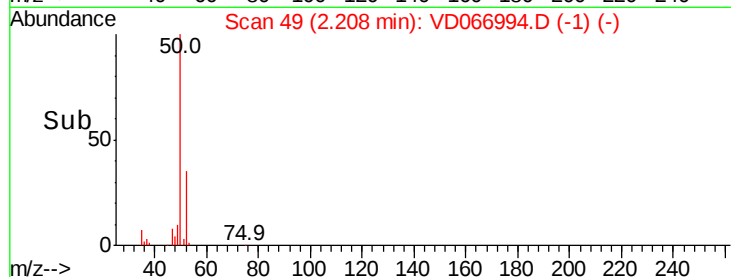
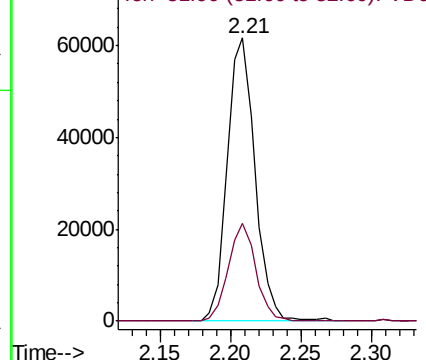
50 100

52 34.7 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.448 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066994.D

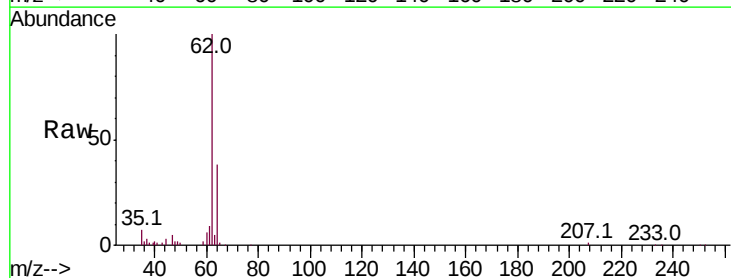
Acq: 01 Oct 2020 15:57

Tgt Ion: 62 Resp: 82134

Ion Ratio Lower Upper

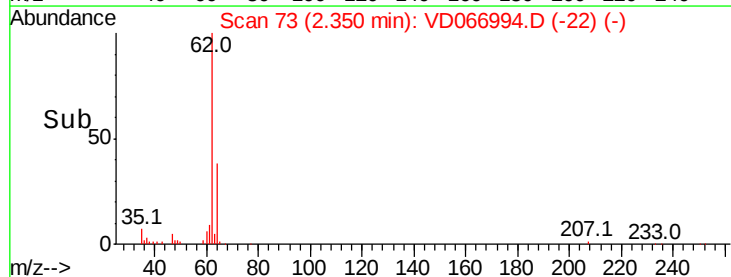
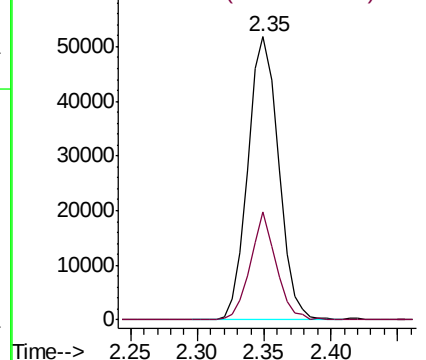
62 100

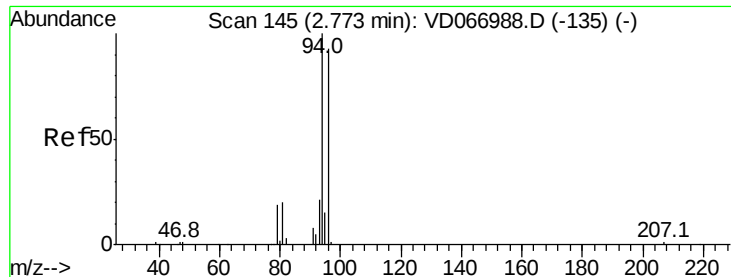
64 38.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.515 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

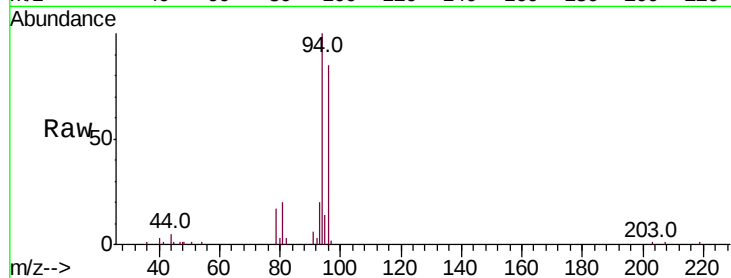
VD1001SBSD01

Tot Ion: 94 Resp: 61452

Ion Ratio Lower Upper

94 100

96 85.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

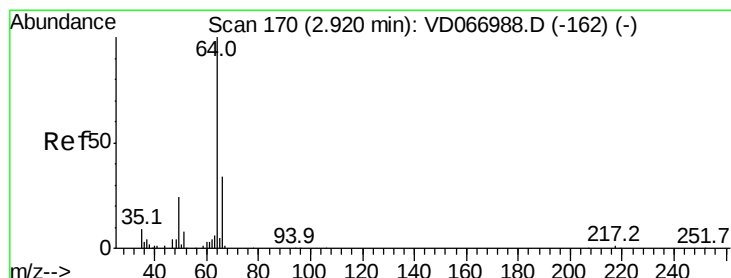
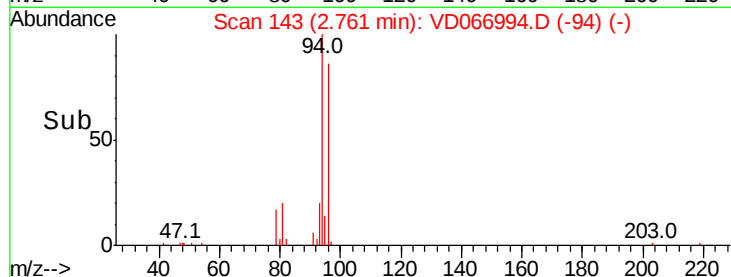
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 20.219 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066994.D

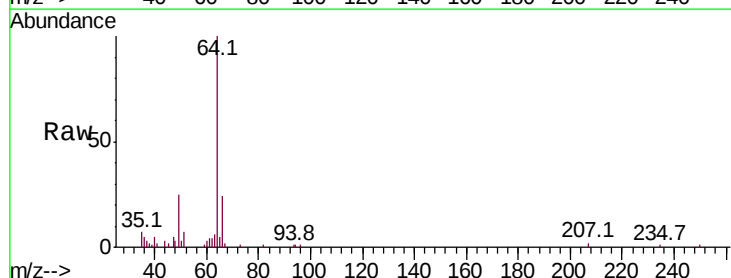
Acq: 01 Oct 2020 15:57

Tgt Ion: 64 Resp: 47152

Ion Ratio Lower Upper

64 100

66 24.1 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

25000

20000

15000

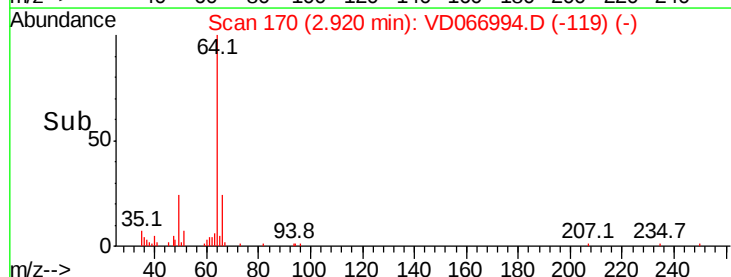
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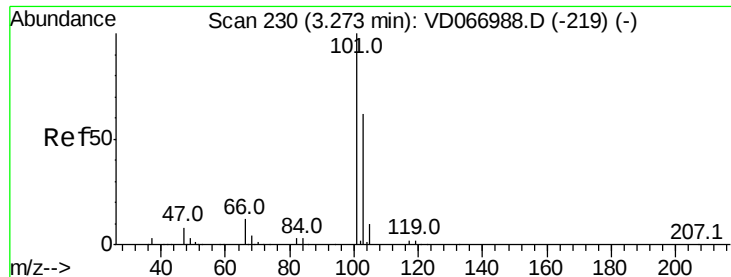
5000

0

Time-->

2.80 2.85 2.90 2.95 3.00



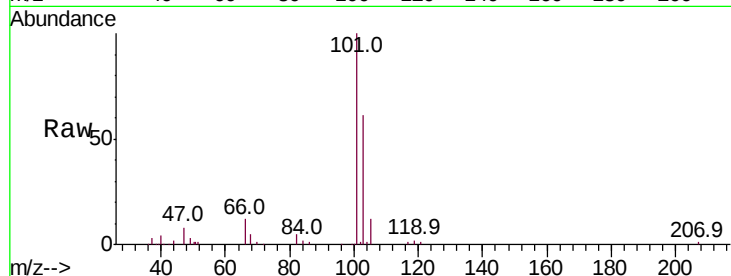


#7

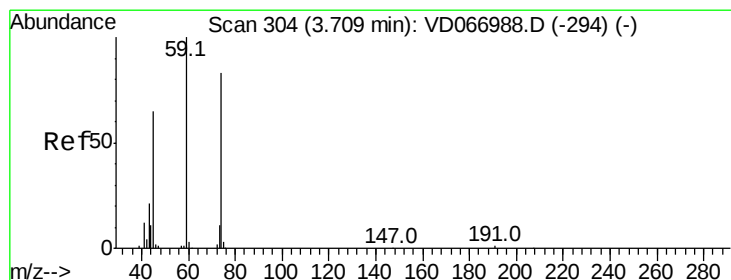
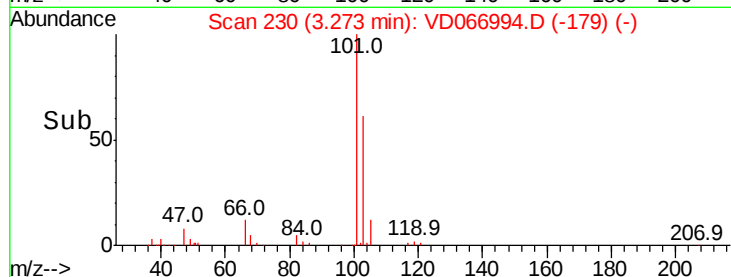
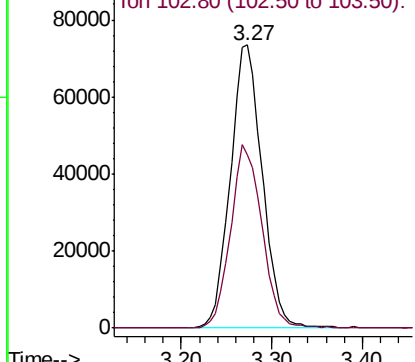
Trichlorofluoromethane
 Concen: 21.183 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBSD01

Tot Ion:101 Resp: 180228
 Ion Ratio Lower Upper
 101 100
 103 61.2 49.8 74.8



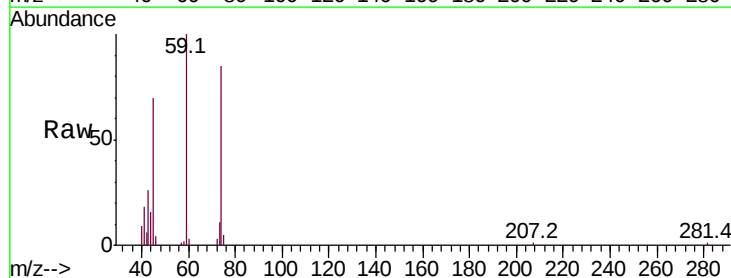
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



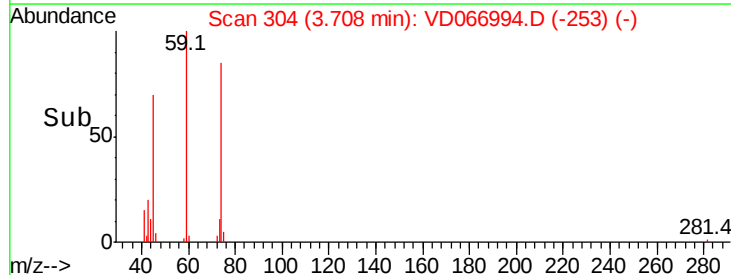
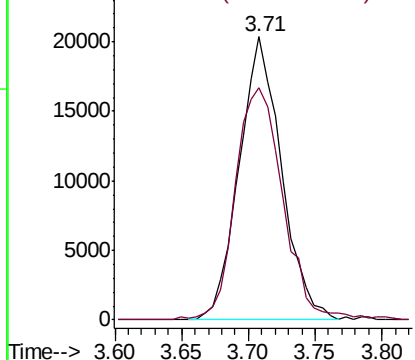
#8

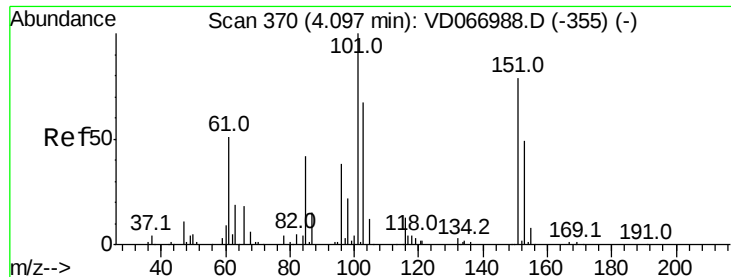
Diethyl Ether
 Concen: 21.182 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion: 74 Resp: 44689
 Ion Ratio Lower Upper
 74 100
 45 93.0 43.1 129.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.847 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

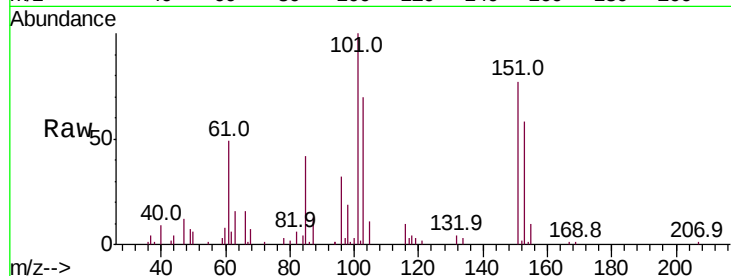
Tot Ion:101 Resp: 100248

Ion Ratio Lower Upper

101 100

85 44.1 33.8 50.8

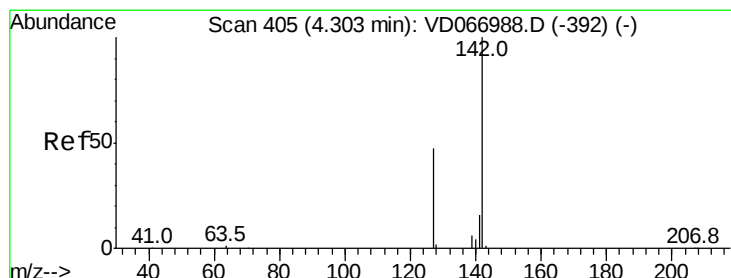
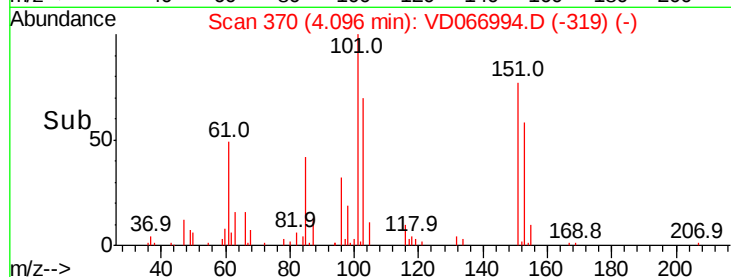
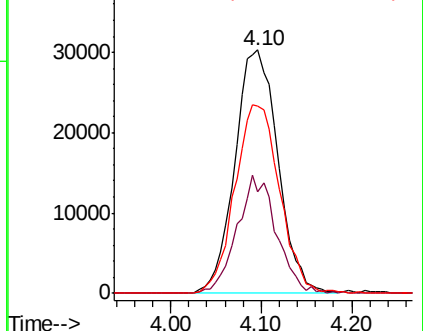
151 80.4 63.8 95.8



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: 19.213 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

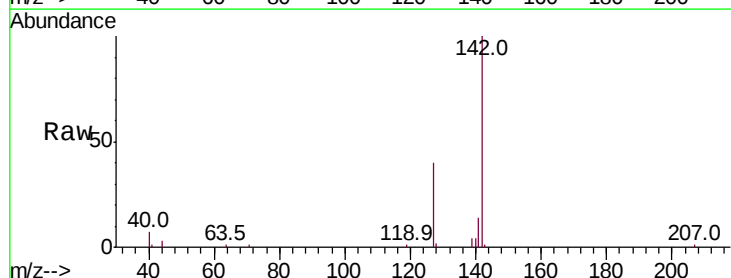
Tgt Ion:142 Resp: 89776

Ion Ratio Lower Upper

142 100

127 44.5 36.3 54.5

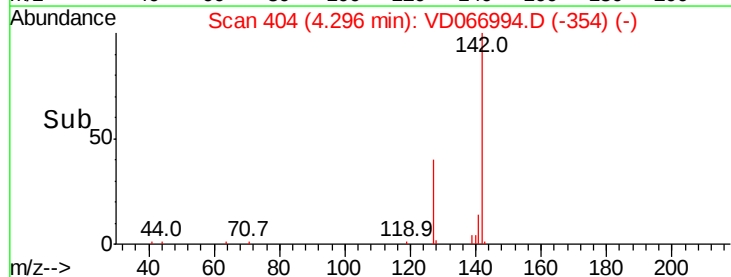
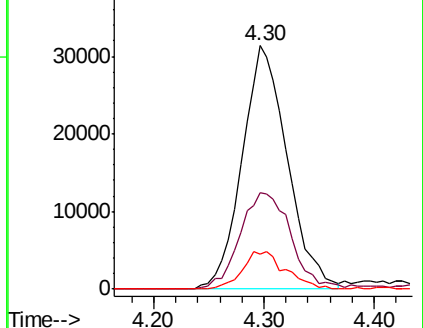
141 14.8 12.0 18.0

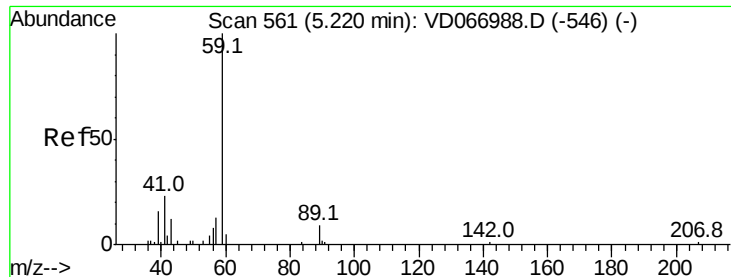


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

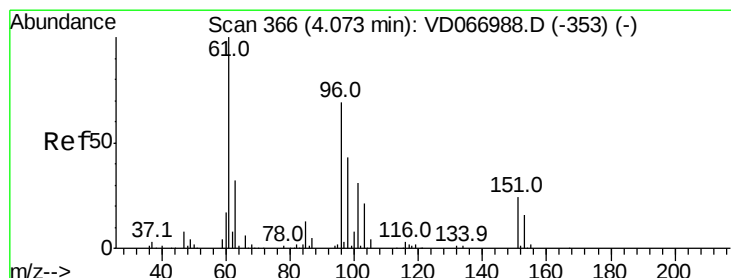
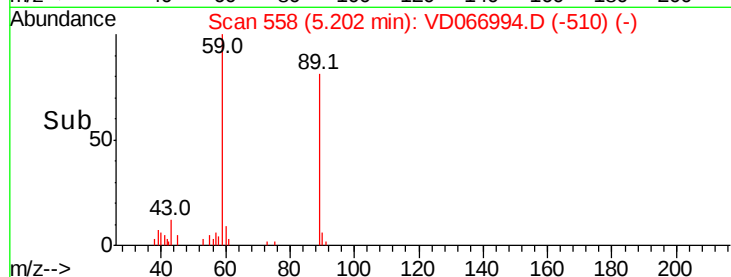
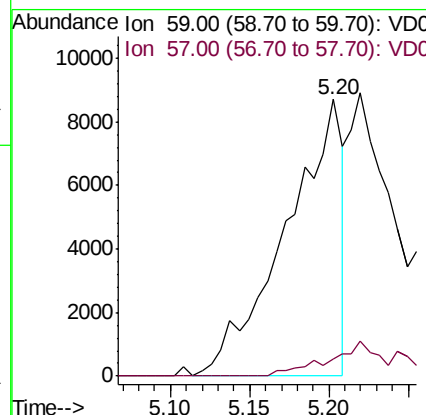
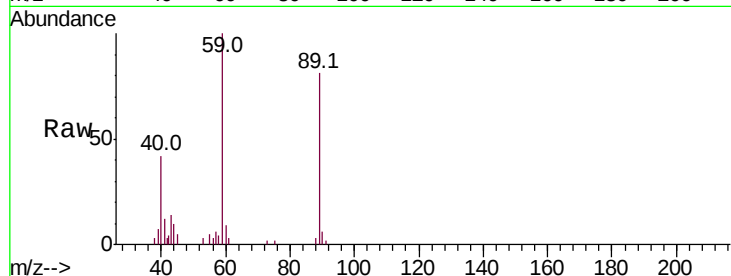




#11
Tert butyl alcohol
Concen: 39.155 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

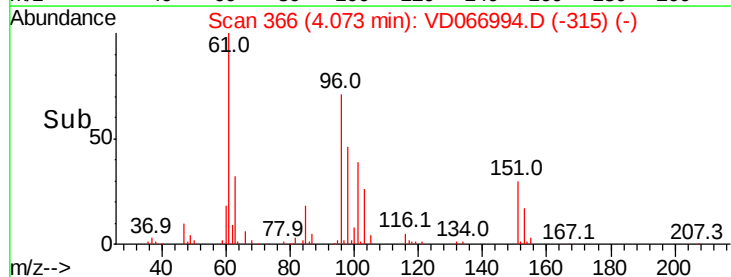
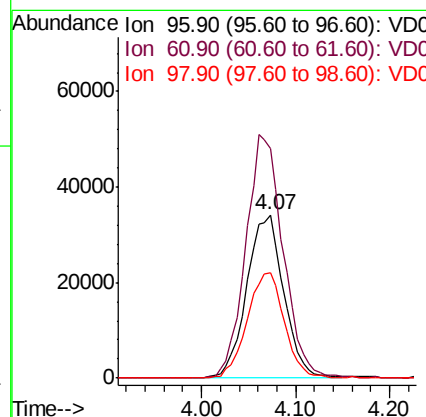
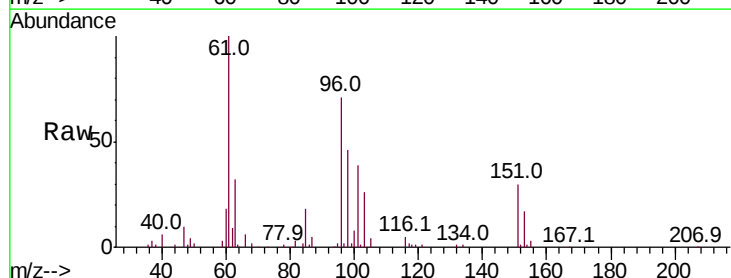
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

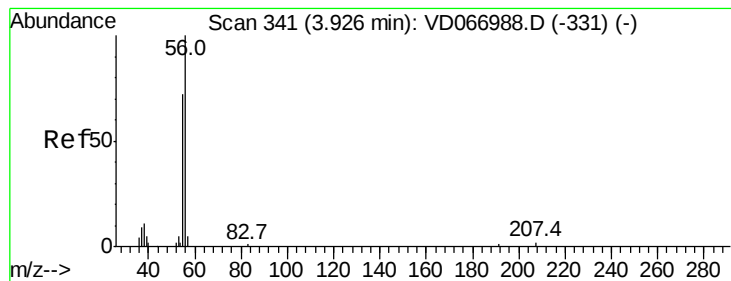
Tot Ion: 59 Resp: 21693
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4



#12
1,1-Dichloroethene
Concen: 20.607 ug/l
RT: 4.07 min Scan# 366
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion: 96 Resp: 93159
Ion Ratio Lower Upper
96 100
61 140.5 116.4 174.6
98 64.8 49.9 74.9





#13

Acrolein

Concen: 101.813 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

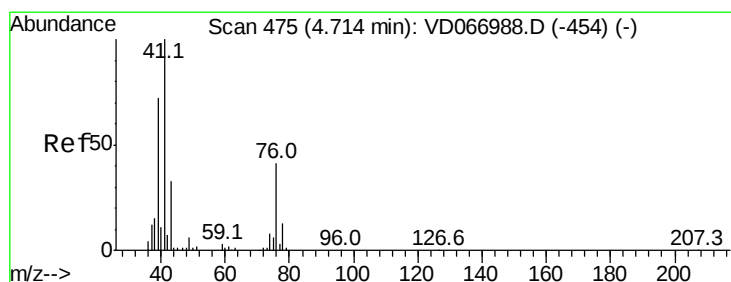
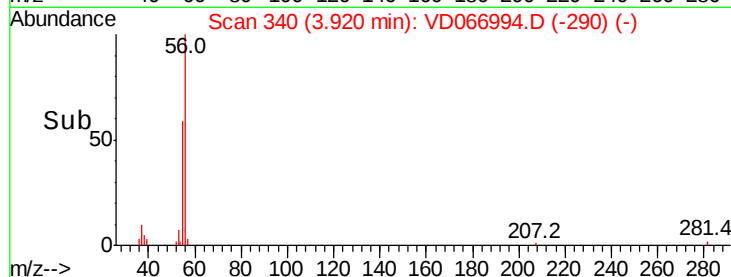
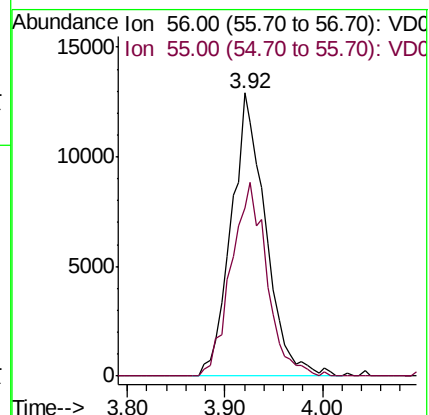
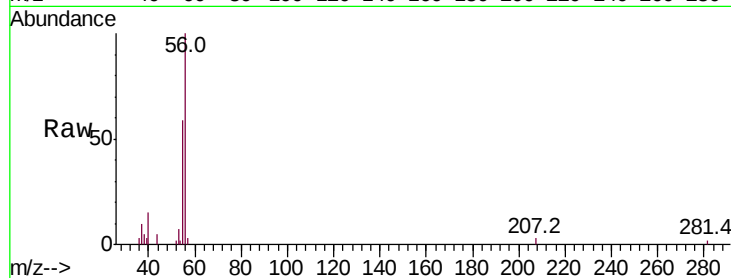
VD1001SBSD01

Tot Ion: 56 Resp: 31490

Ion Ratio Lower Upper

56 100

55 70.6 56.9 85.3



#14

Allyl chloride

Concen: 21.426 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

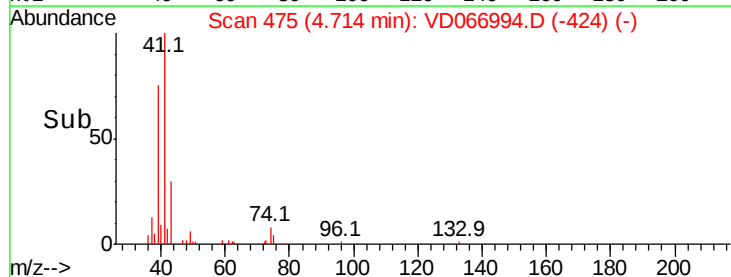
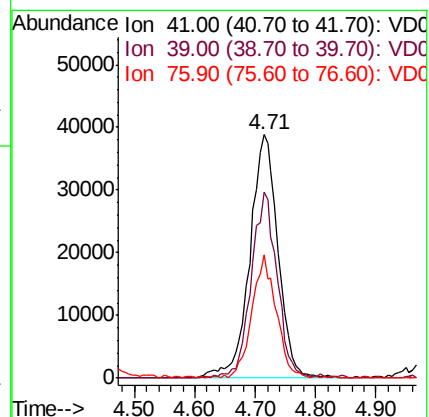
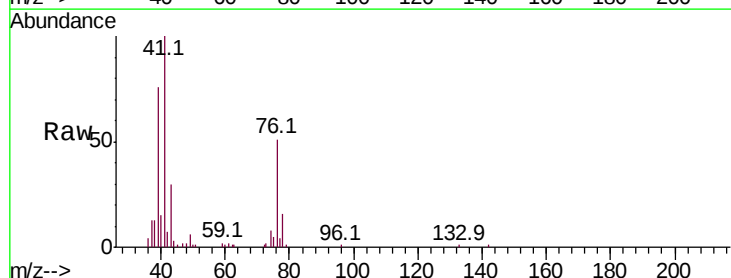
Tgt Ion: 41 Resp: 125832

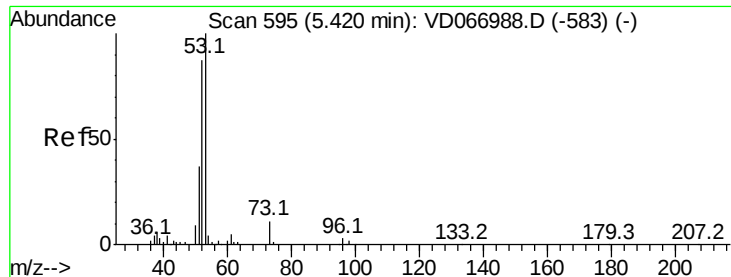
Ion Ratio Lower Upper

41 100

39 69.9 56.2 84.2

76 43.4 34.2 51.2





#15

Acrylonitrile

Concen: 108.045 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

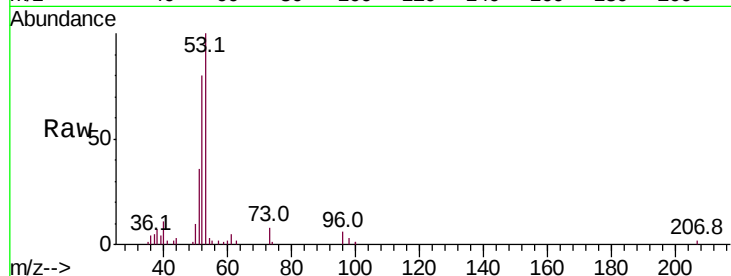
Tot Ion: 53 Resp: 83897

Ion Ratio Lower Upper

53 100

52 81.7 67.3 100.9

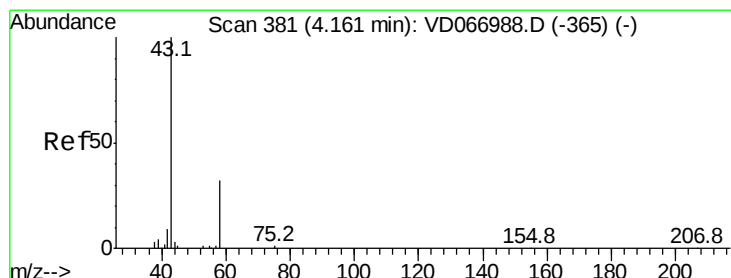
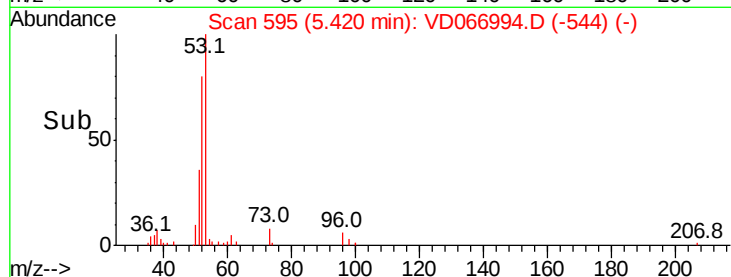
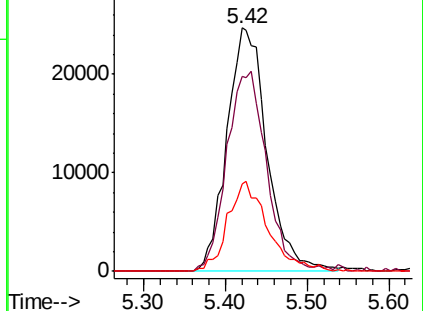
51 37.2 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 105.830 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD066994.D

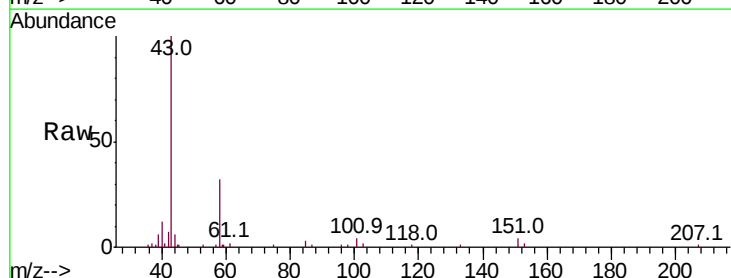
Acq: 01 Oct 2020 15:57

Tgt Ion: 43 Resp: 74621

Ion Ratio Lower Upper

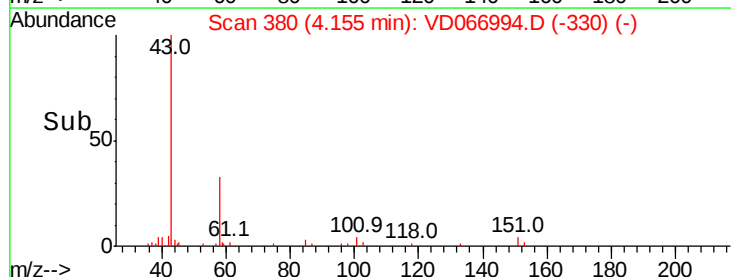
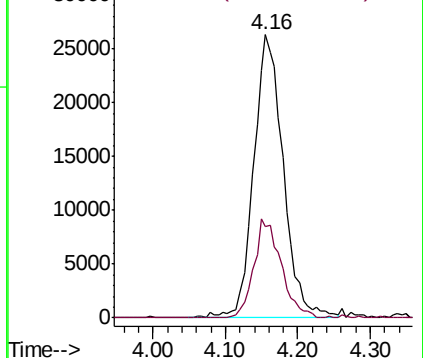
43 100

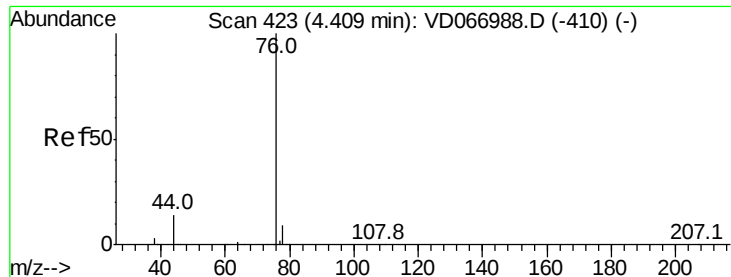
58 32.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

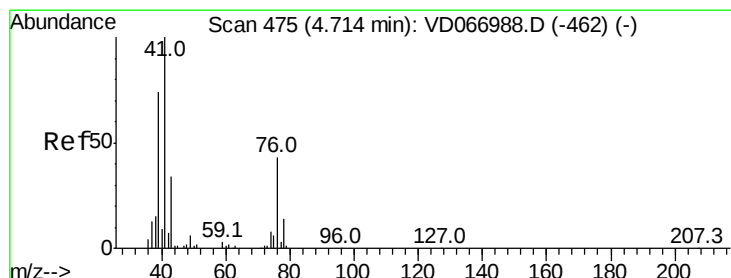
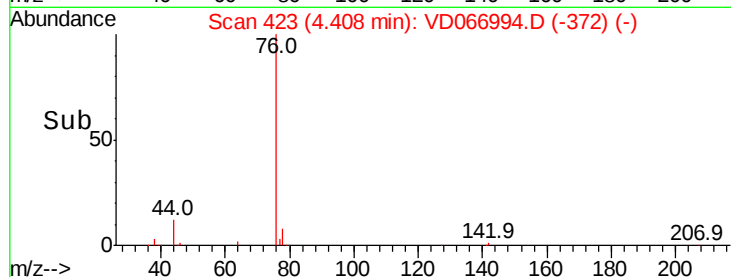
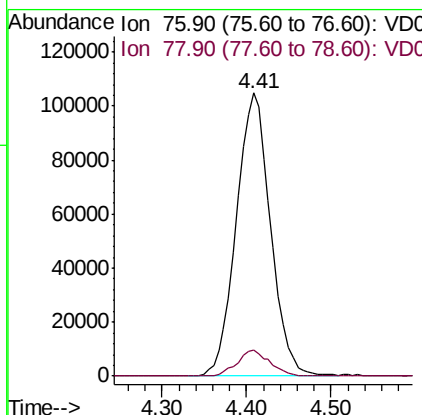
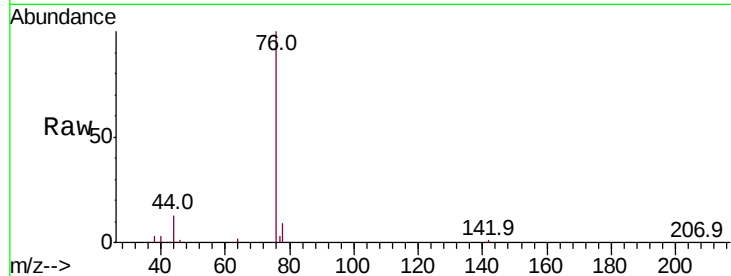




#17
Carbon Disulfide
Concen: 21.138 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

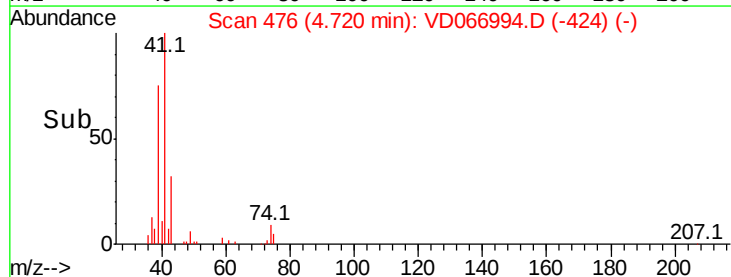
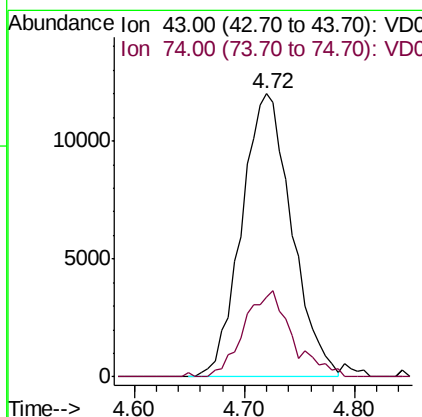
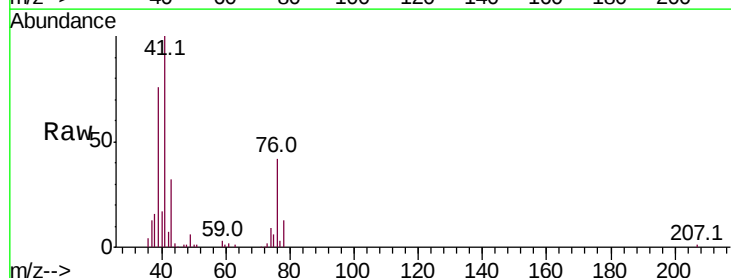
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

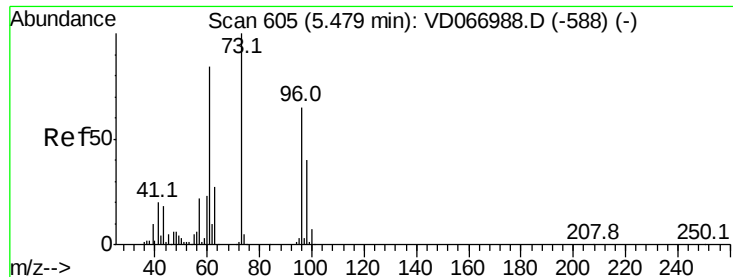
Tot Ion: 76 Resp: 293260
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 21.511 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion: 43 Resp: 38121
Ion Ratio Lower Upper
43 100
74 29.3 21.5 32.3



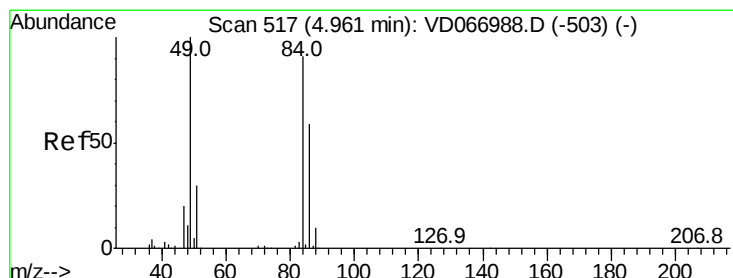
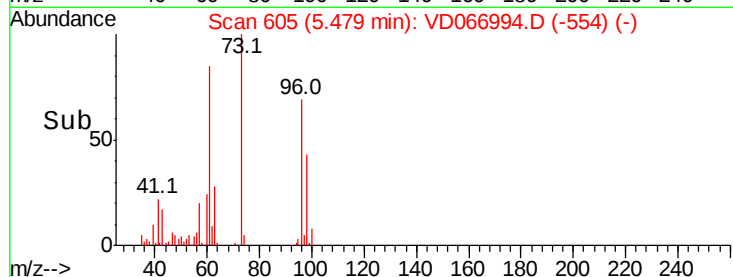
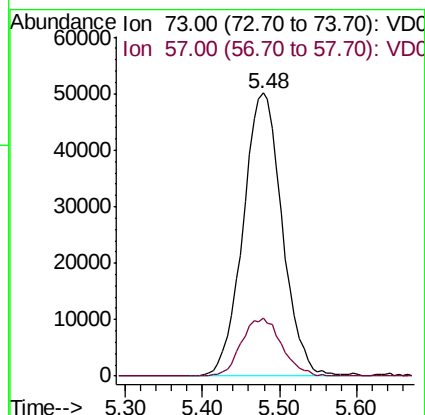
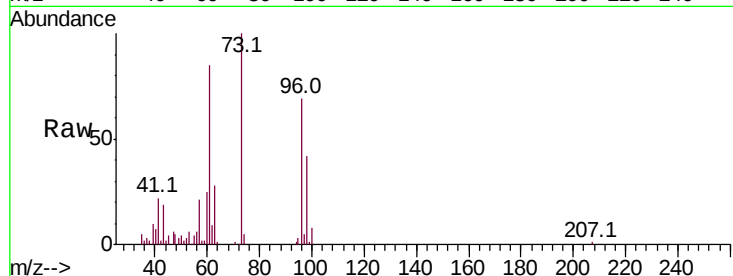


#19

Methyl tert-butyl Ether
 Concen: 21.544 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

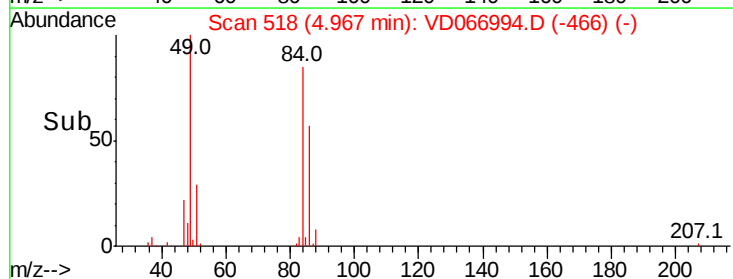
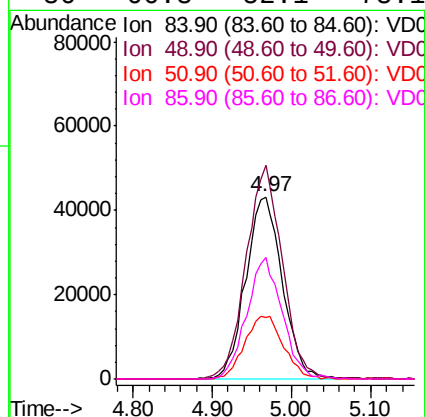
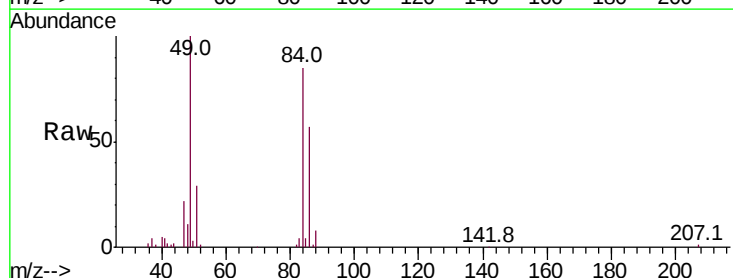
Tot Ion: 73 Resp: 177795
 Ion Ratio Lower Upper
 73 100
 57 20.7 17.4 26.0

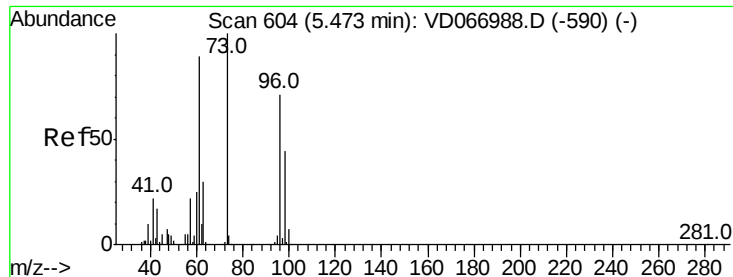


#20

Methylene Chloride
 Concen: 24.103 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion: 84 Resp: 139455
 Ion Ratio Lower Upper
 84 100
 49 117.5 88.2 132.2
 51 33.9 26.6 39.8
 86 66.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 21.166 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

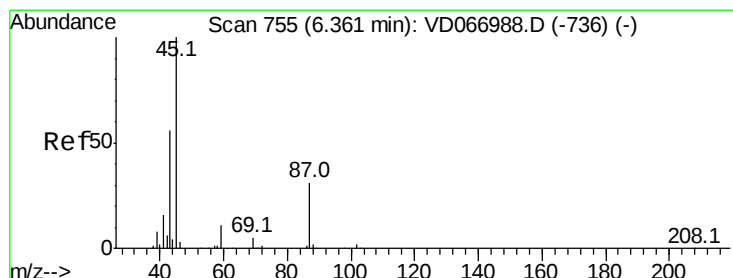
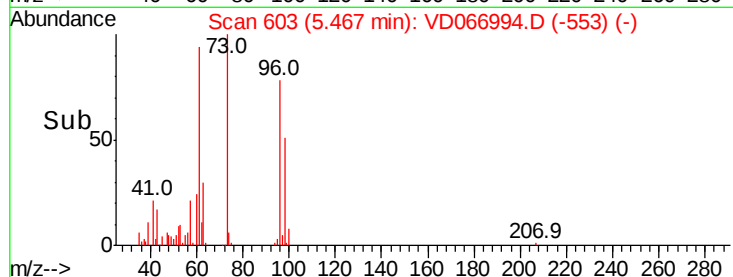
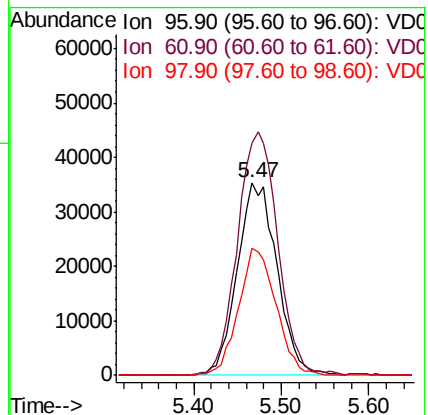
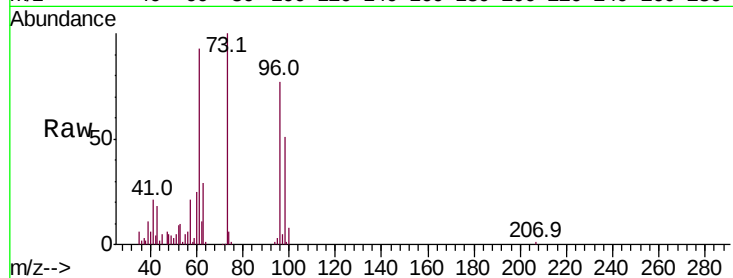
Tot Ion: 96 Resp: 108895

Ion Ratio Lower Upper

96 100

61 120.8 99.6 149.4

98 65.9 49.4 74.2



#22

Diisopropyl ether

Concen: 22.617 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Tgt Ion: 45 Resp: 242494

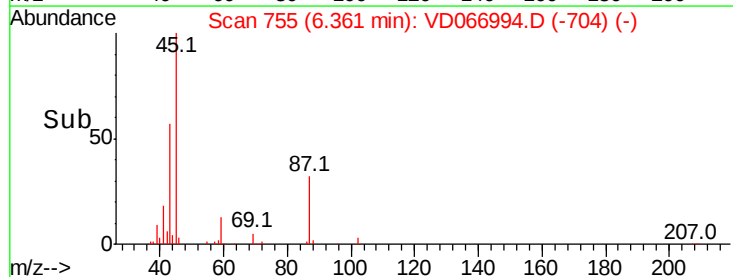
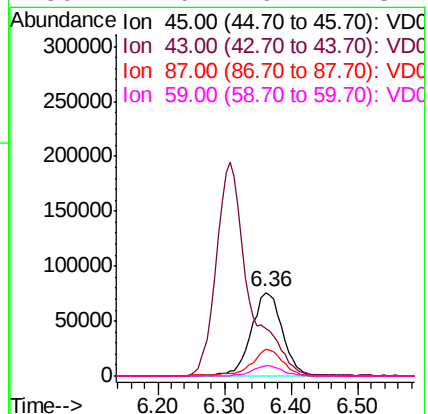
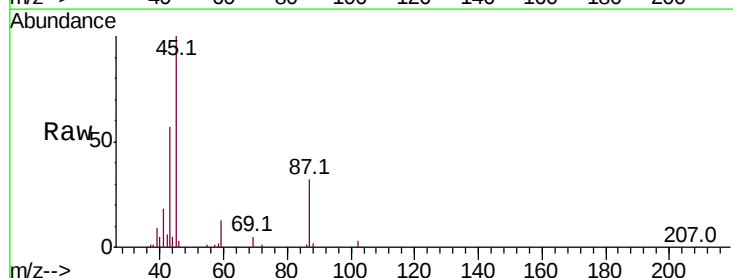
Ion Ratio Lower Upper

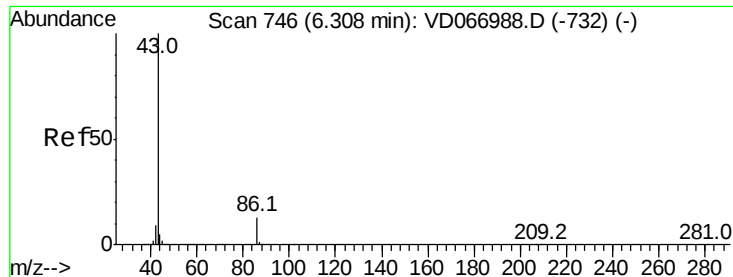
45 100

43 55.8 45.2 67.8

87 32.0 25.6 38.4

59 12.6 9.1 13.7





#23

Vinyl Acetate

Concen: 109.188 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

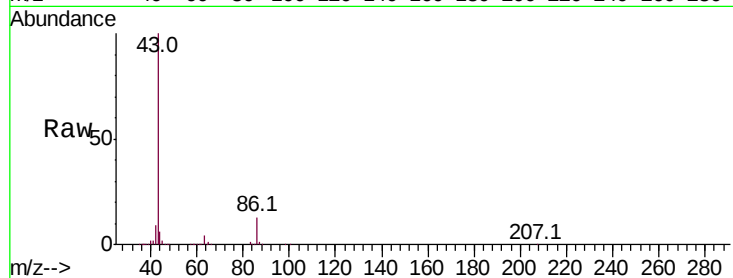
VD1001SBS01

Tot Ion: 43 Resp: 663369

Ion Ratio Lower Upper

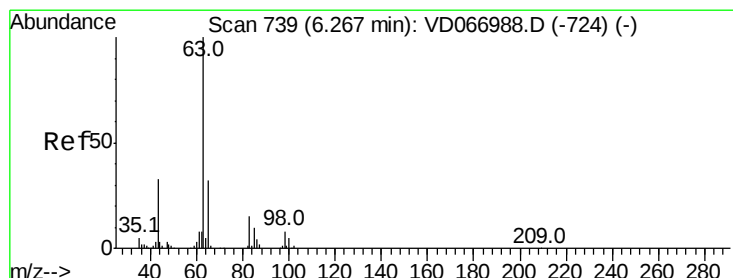
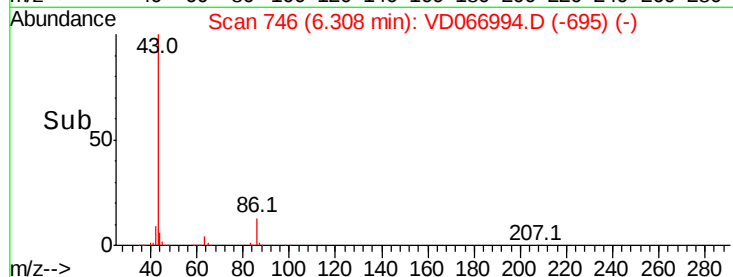
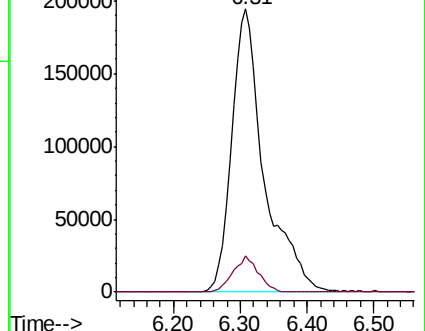
43 100

86 12.7 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.243 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

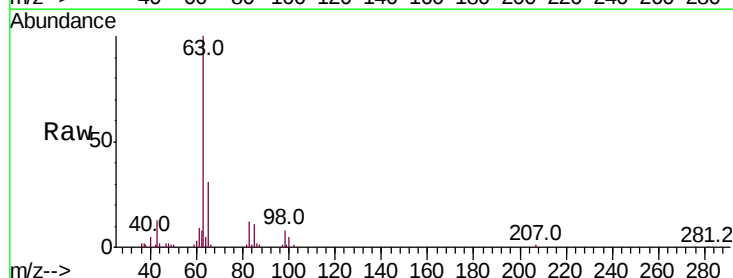
Tgt Ion: 63 Resp: 175768

Ion Ratio Lower Upper

63 100

98 8.2 4.2 12.6

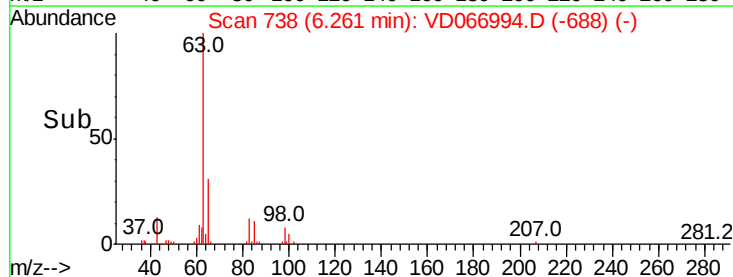
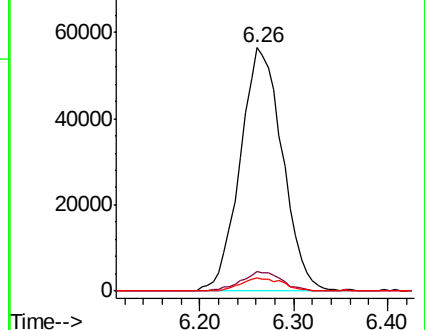
100 5.3 2.6 7.8

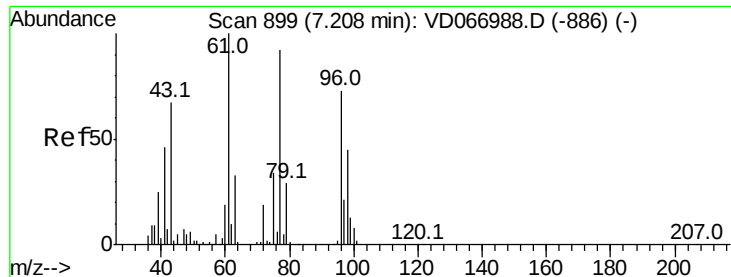


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 108.024 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

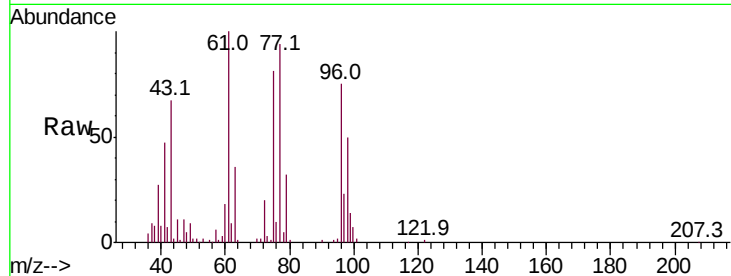
VD1001SBSD01

Tot Ion: 43 Resp: 107989

Ion Ratio Lower Upper

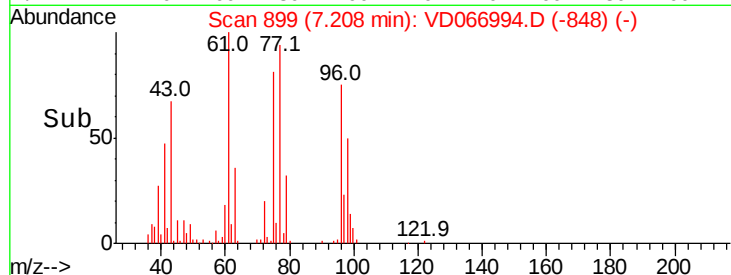
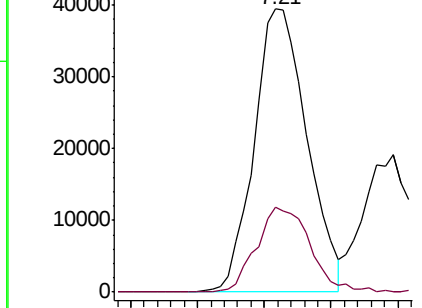
43 100

72 30.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.120 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066994.D

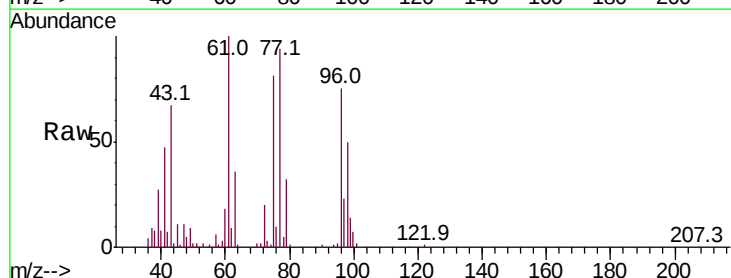
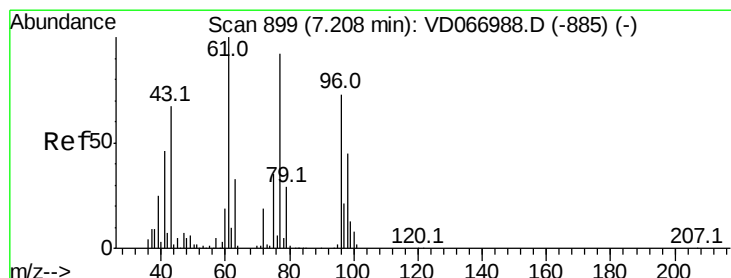
Acq: 01 Oct 2020 15:57

Tgt Ion: 77 Resp: 159799

Ion Ratio Lower Upper

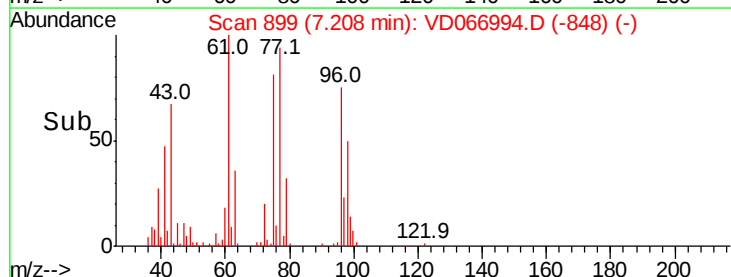
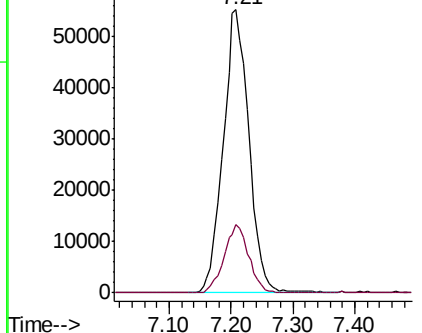
77 100

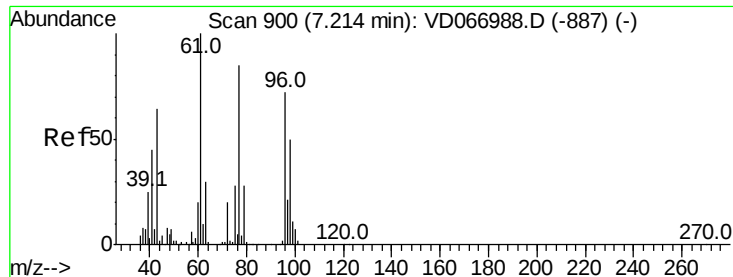
97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



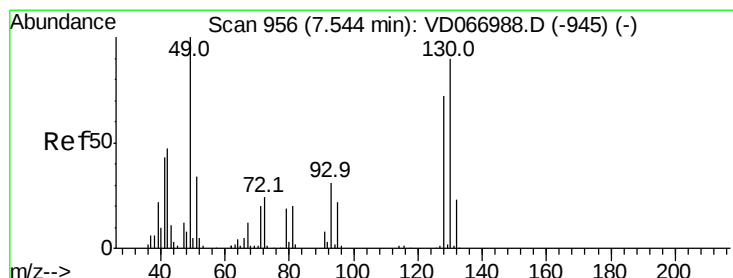
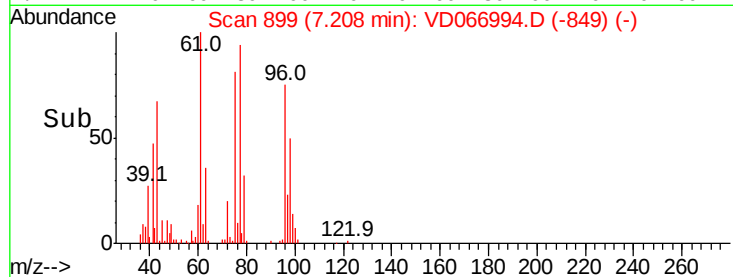
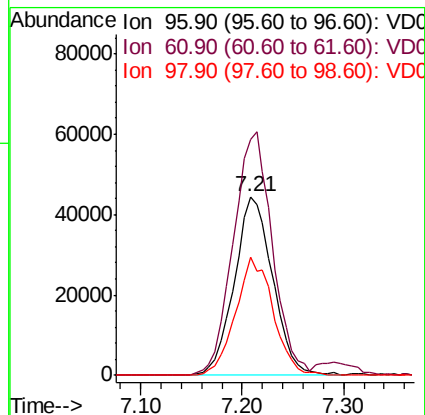
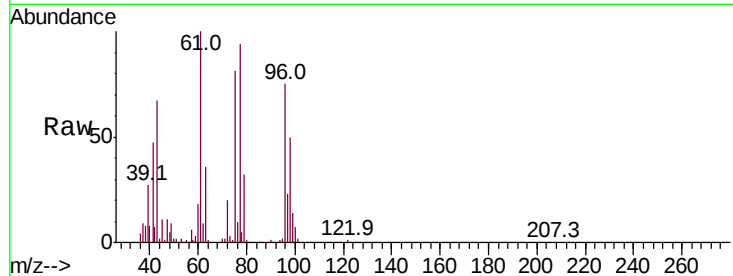


#27

cis-1,2-Dichloroethene
Concen: 21.304 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

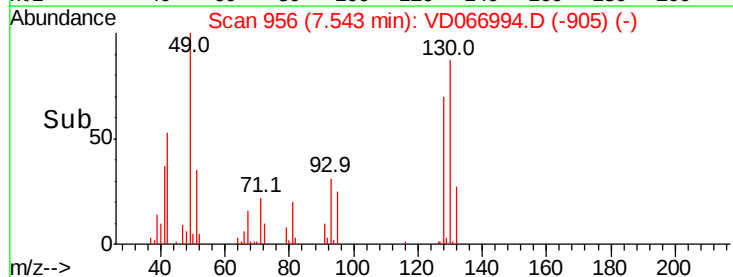
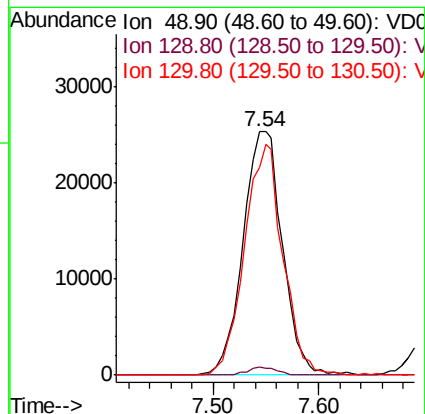
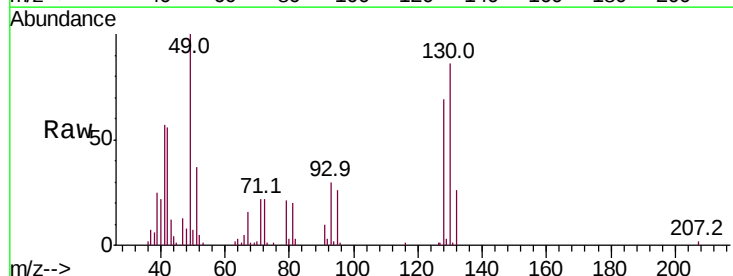
Tot Ion: 96 Resp: 117053
Ion Ratio Lower Upper
96 100
61 138.4 0.0 269.2
98 64.8 0.0 129.4

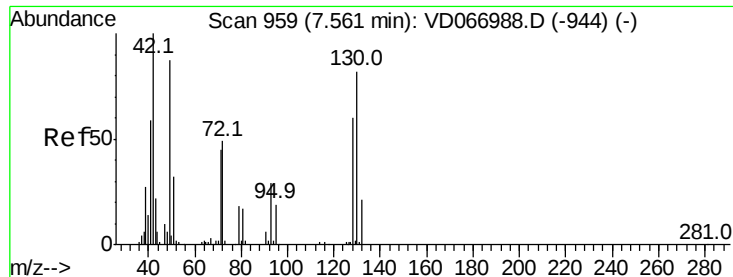


#28

Bromochloromethane
Concen: 20.510 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion: 49 Resp: 65537
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 92.2 74.1 111.1





#29

Tetrahydrofuran

Concen: 109.752 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS001

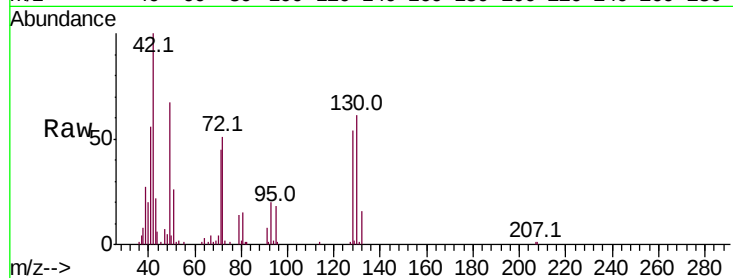
Tot Ion: 42 Resp: 63086

Ion Ratio Lower Upper

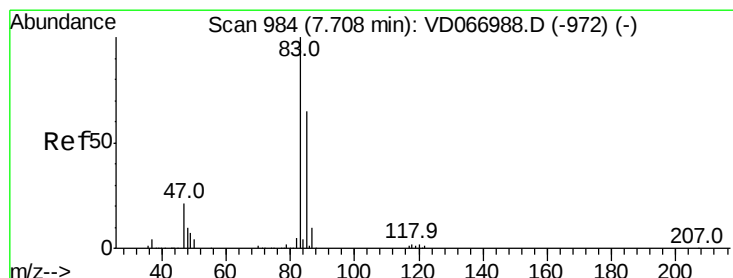
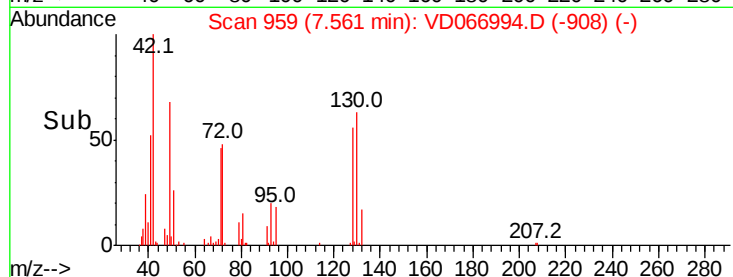
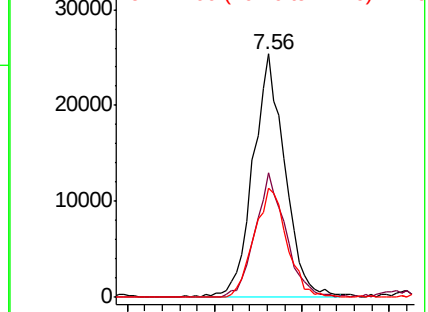
42 100

72 49.0 39.1 58.7

71 46.0 34.2 51.4



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



#30

Chloroform

Concen: 20.942 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD066994.D

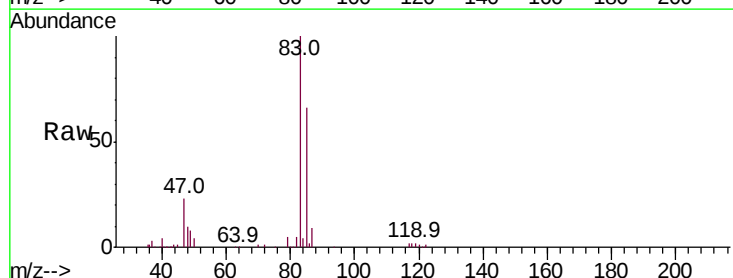
Acq: 01 Oct 2020 15:57

Tgt Ion: 83 Resp: 187976

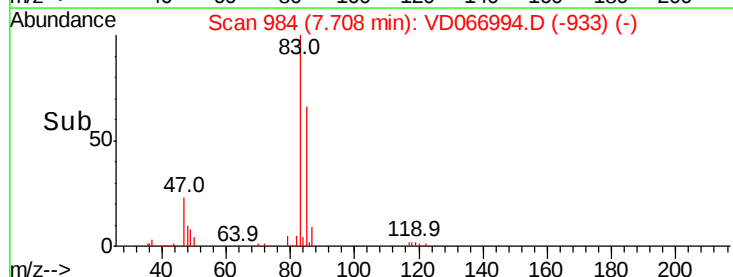
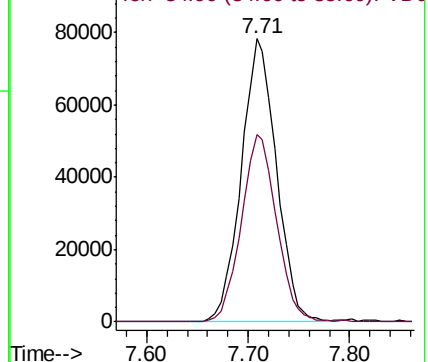
Ion Ratio Lower Upper

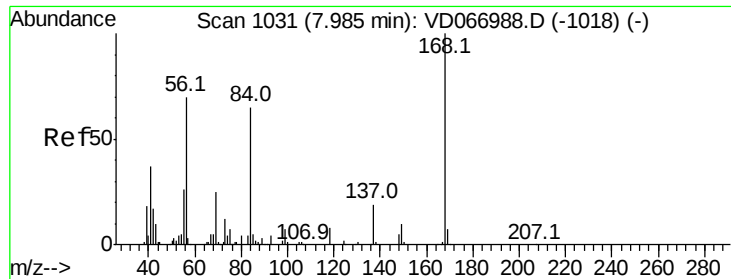
83 100

85 66.3 52.3 78.5



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





#31

Cyclohexane

Concen: 20.864 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

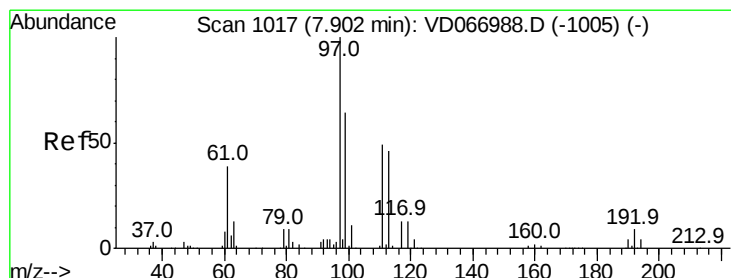
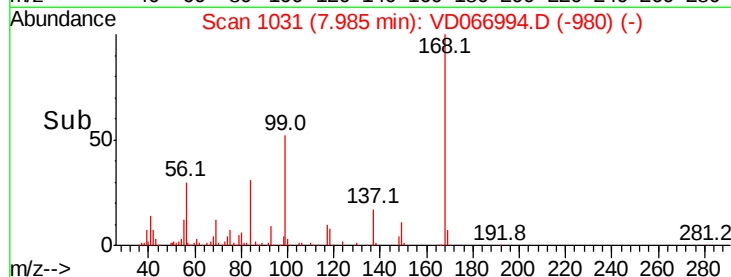
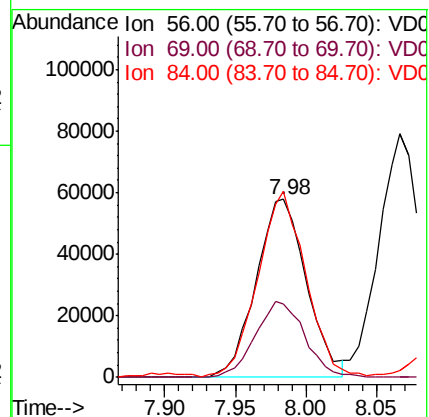
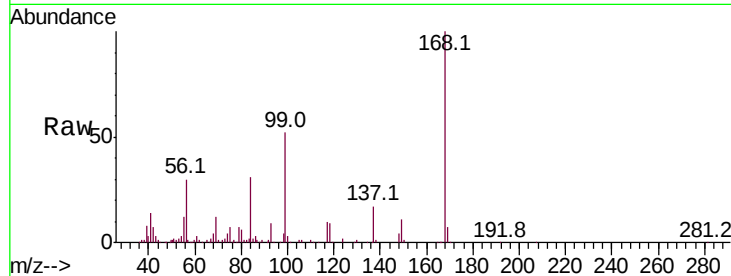
Tot Ion: 56 Resp: 144729

Ion Ratio Lower Upper

56 100

69 41.1 29.0 43.6

84 103.3 74.2 111.2



#32

1,1,1-Trichloroethane

Concen: 21.011 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

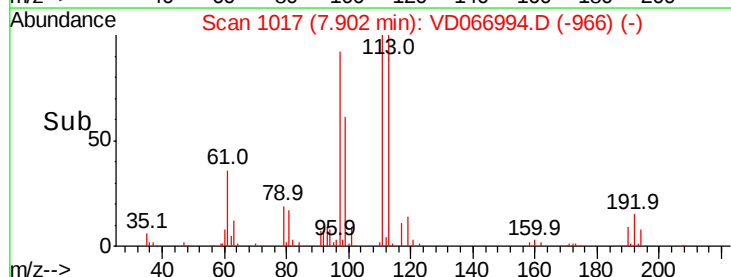
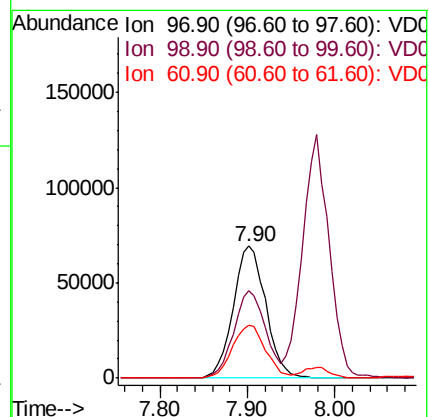
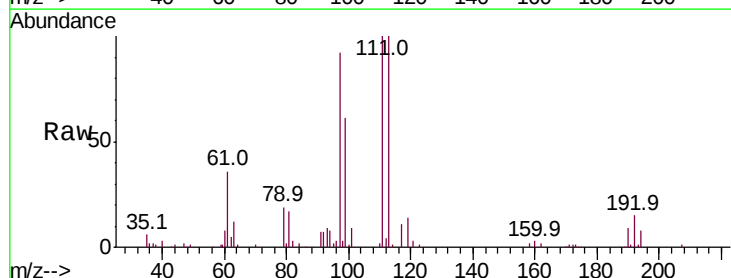
Tgt Ion: 97 Resp: 174781

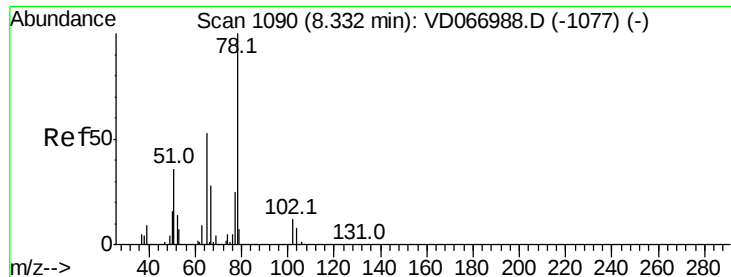
Ion Ratio Lower Upper

97 100

99 64.5 52.6 78.8

61 41.0 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 49.972 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

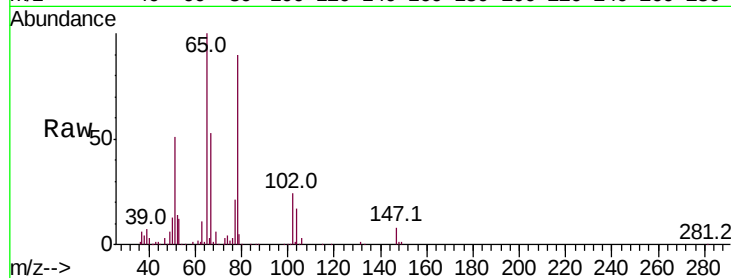
VD1001SBSD01

Tot Ion: 65 Resp: 230825

Ion Ratio Lower Upper

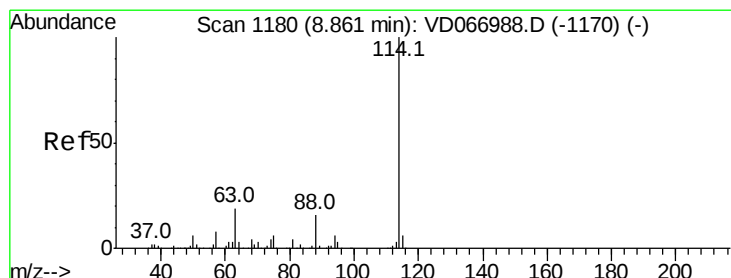
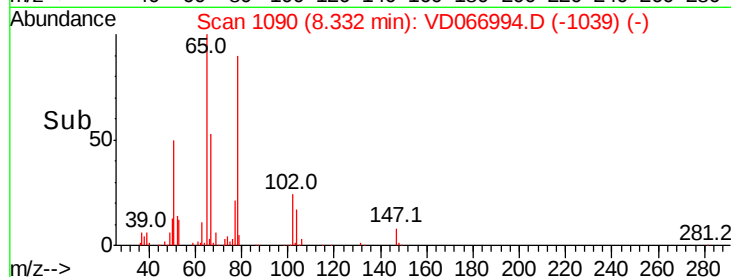
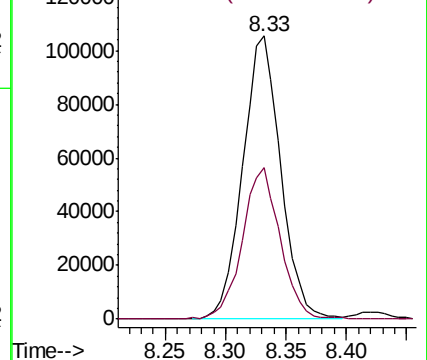
65 100

67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

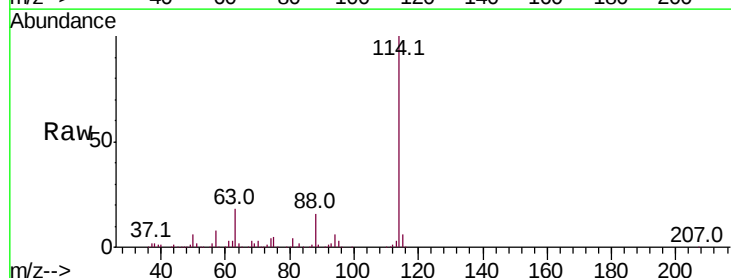
Tgt Ion: 114 Resp: 753352

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

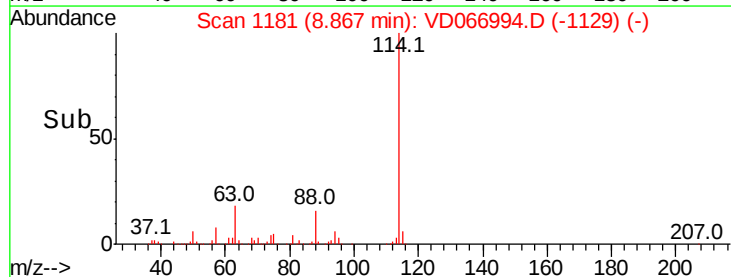
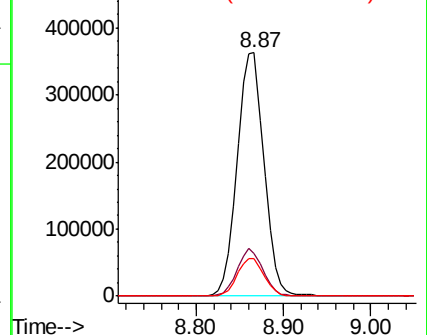
88 15.6 0.0 31.2

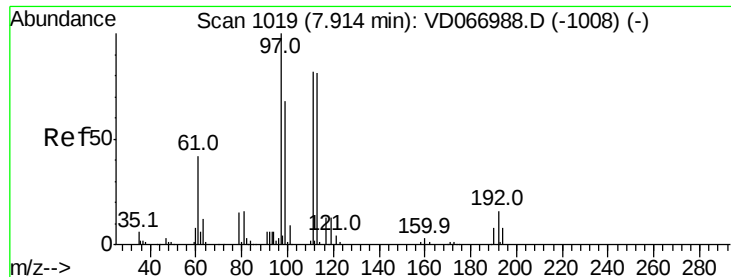


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

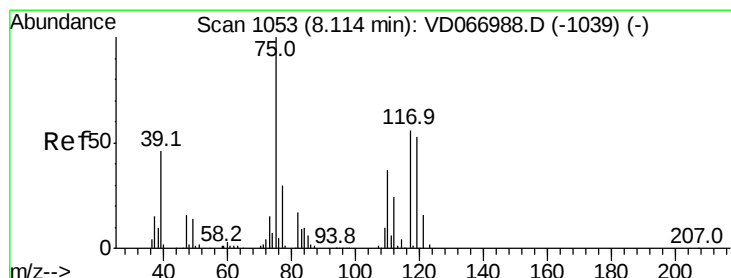
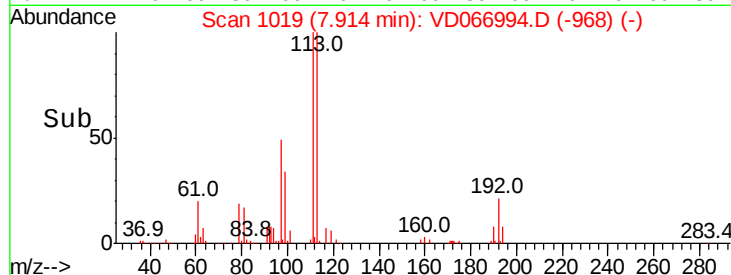
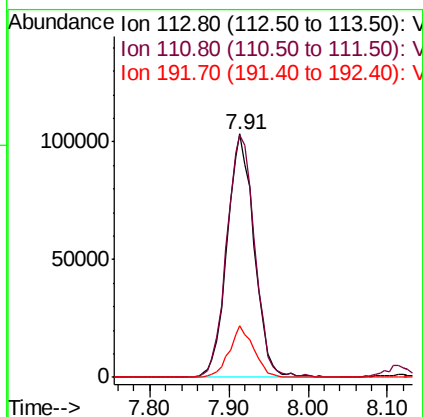
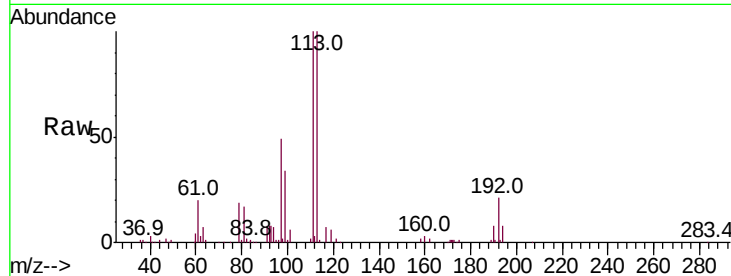




#35
 Dibromofluoromethane
 Concen: 49.550 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

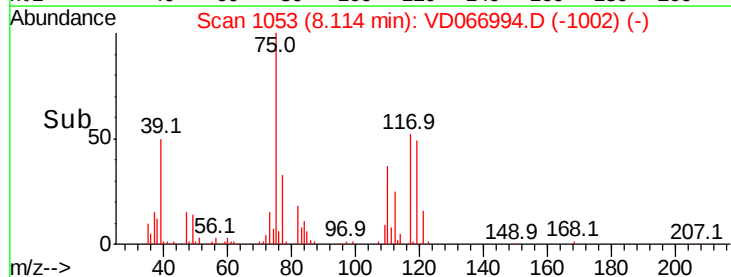
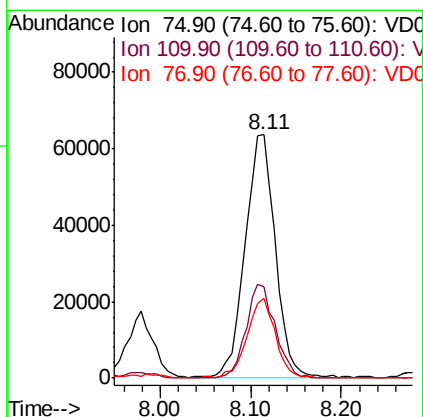
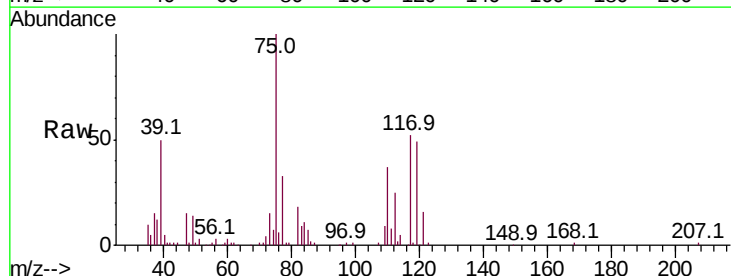
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBSD01

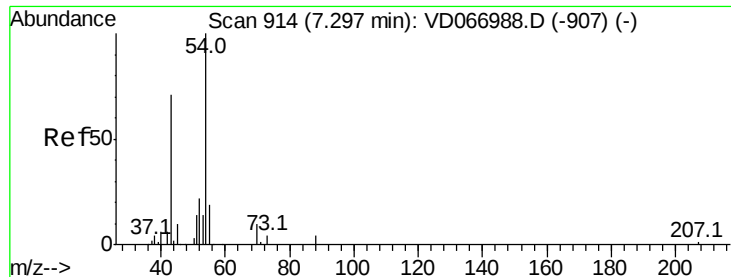
Tot Ion:113 Resp: 244381
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.0 124.4
 192 19.3 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 21.108 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion: 75 Resp: 148221
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.4 55.0
 77 30.8 24.8 37.2

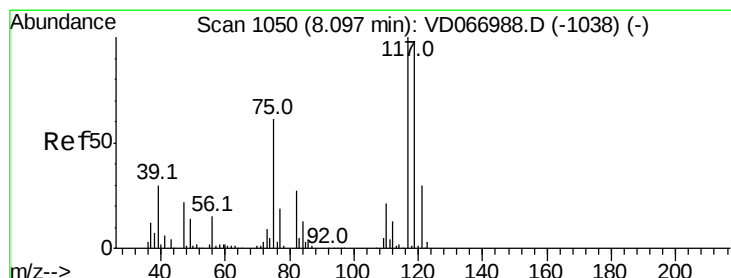
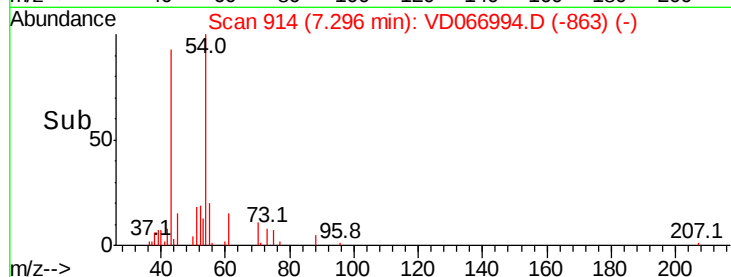
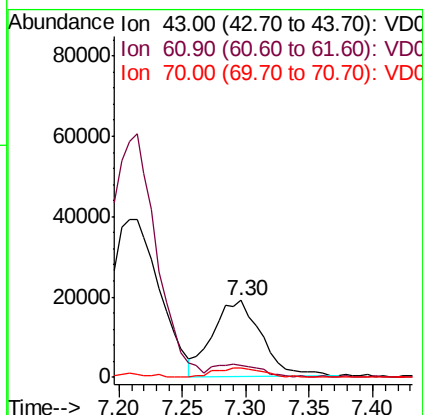
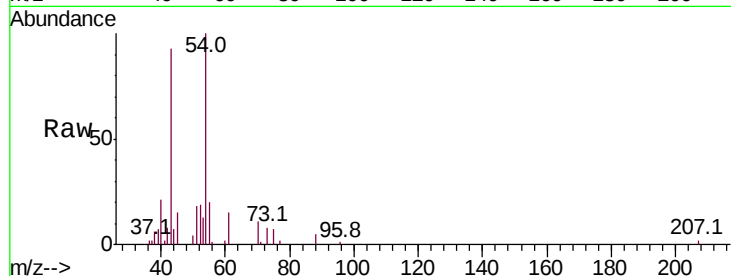




#37
Ethyl Acetate
Concen: 20.624 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

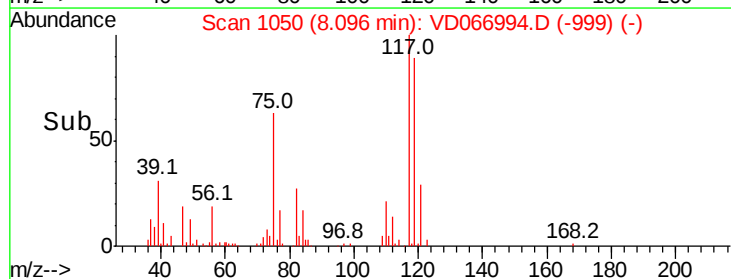
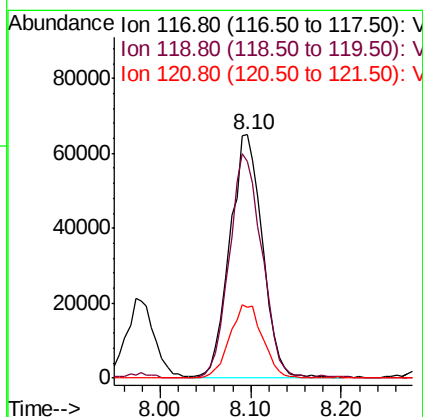
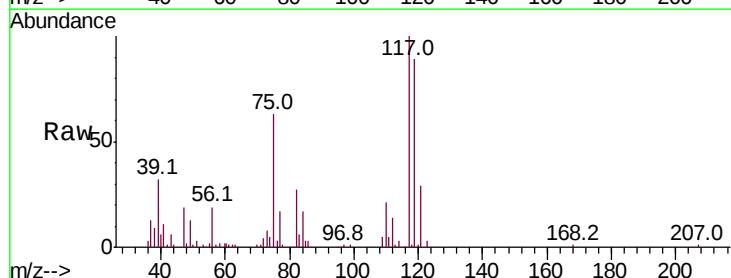
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

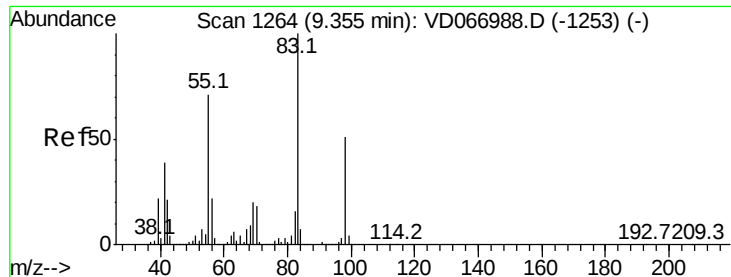
Tot Ion: 43 Resp: 50170
Ion Ratio Lower Upper
43 100
61 16.2 12.5 18.7
70 12.7 9.4 14.0



#38
Carbon Tetrachloride
Concen: 21.259 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion: 117 Resp: 161523
Ion Ratio Lower Upper
117 100
119 89.4 78.7 118.1
121 29.4 24.2 36.2

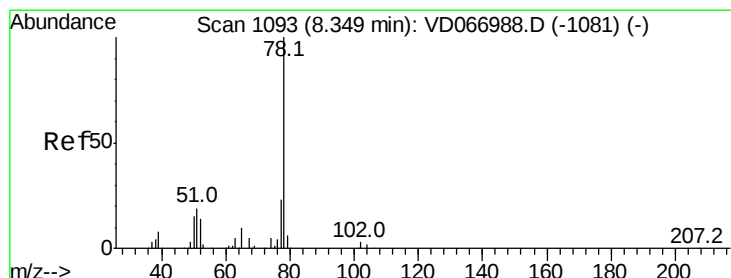
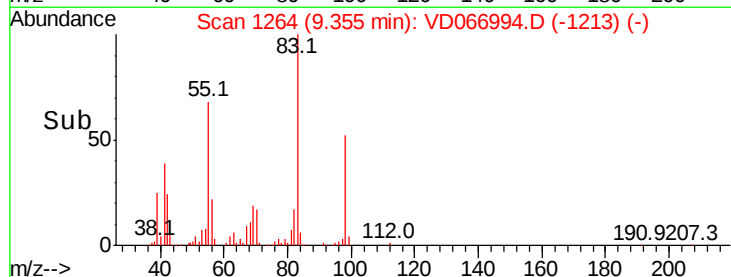
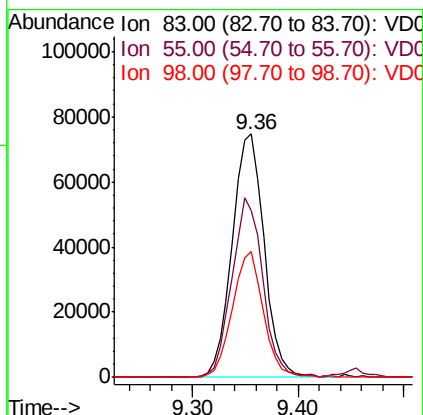
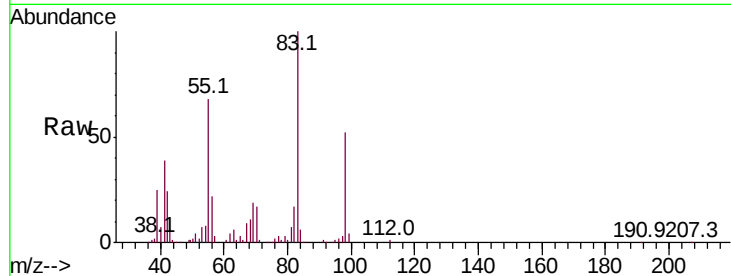




#39
Methvlcvclohexane
Concen: 21.062 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

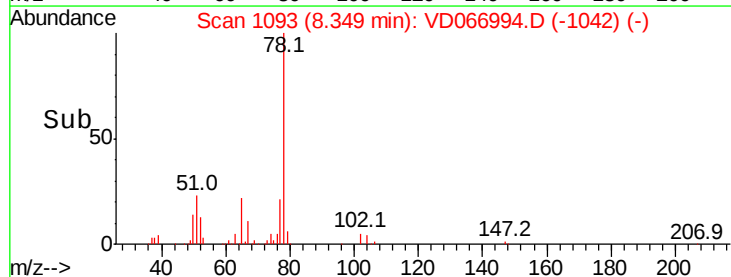
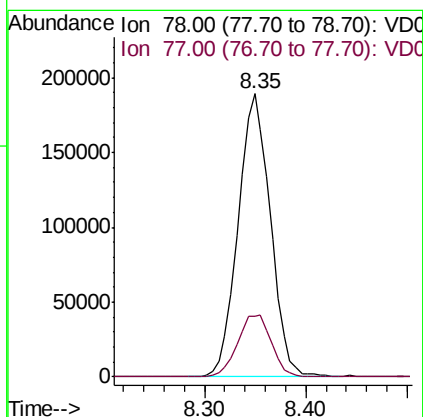
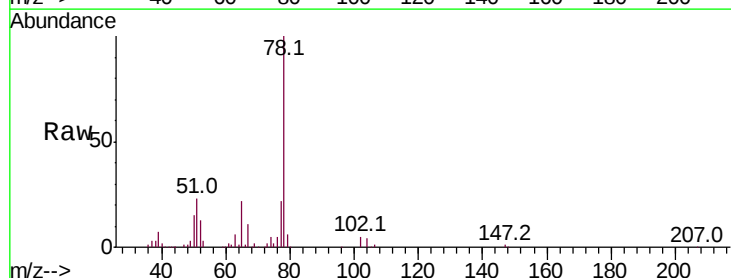
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

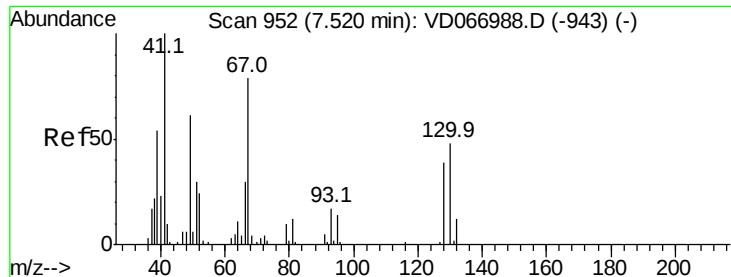
Tot Ion: 83 Resp: 156364
Ion Ratio Lower Upper
83 100
55 68.4 57.1 85.7
98 51.9 40.9 61.3



#40
Benzene
Concen: 21.505 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion: 78 Resp: 419444
Ion Ratio Lower Upper
78 100
77 21.5 18.4 27.6





#41

Methacrylonitrile

Concen: 33.378 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.02 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

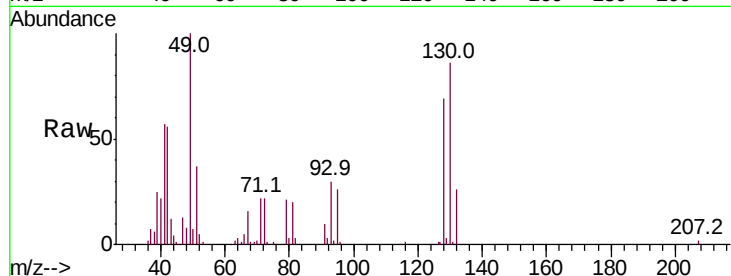
ClientSampleId :

VD1001SBS01

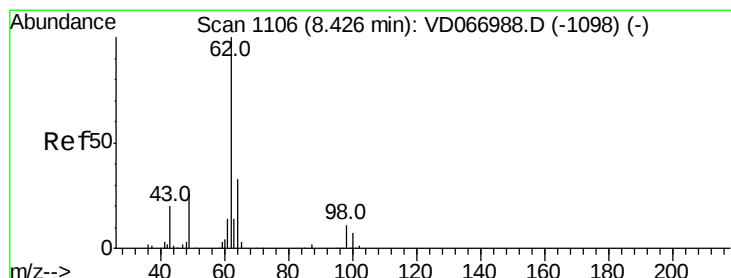
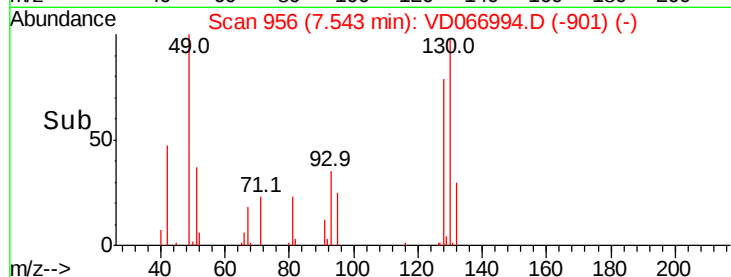
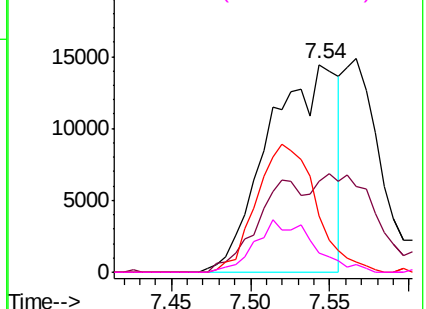
Tot Ion: 41 Resp: 43866

Ion Ratio Lower Upper

41	100		
39	38.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



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



#42

1,2-Dichloroethane

Concen: 21.986 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

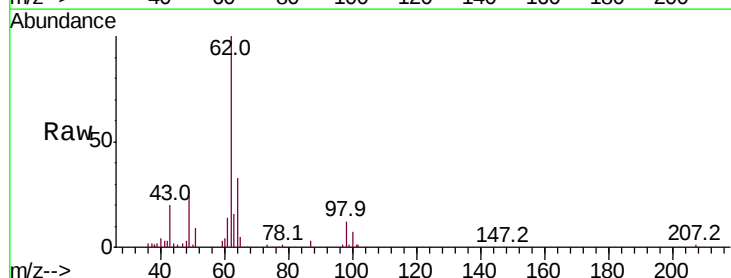
Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

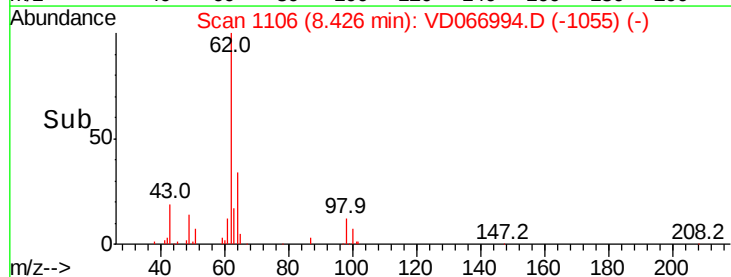
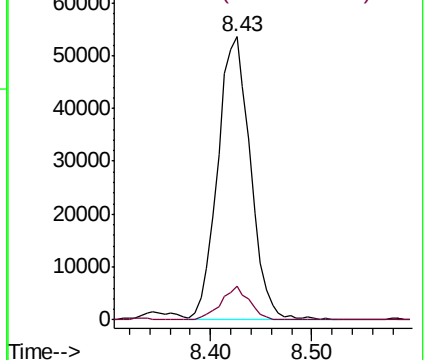
Tgt Ion: 62 Resp: 119827

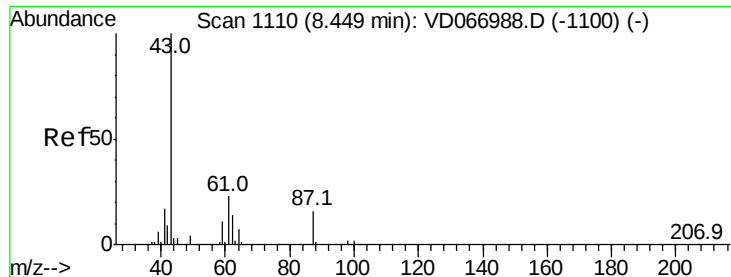
Ion Ratio Lower Upper

62	100		
98	10.2	0.0	22.6



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





#43

Isopropyl Acetate

Concen: 22.311 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

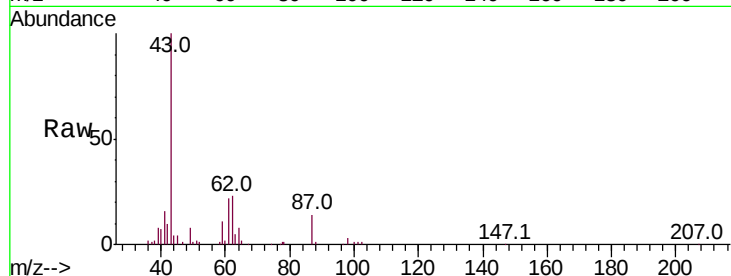
Tot Ion: 43 Resp: 99987

Ion Ratio Lower Upper

43 100

61 33.0 27.1 40.7

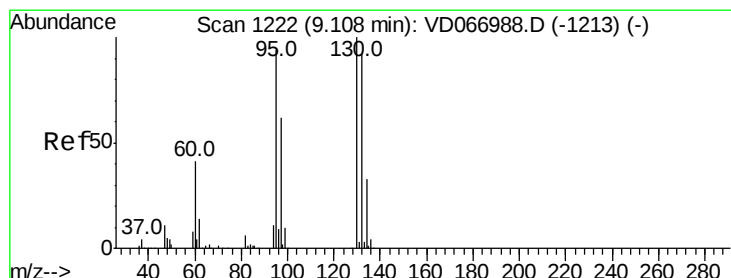
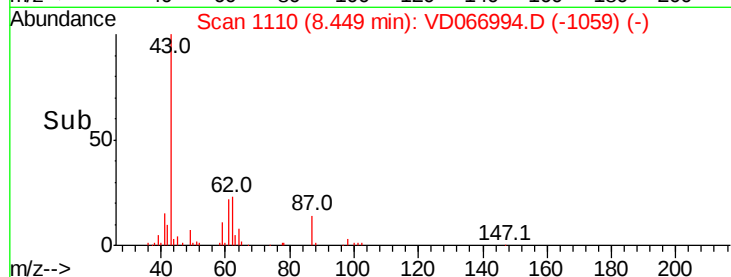
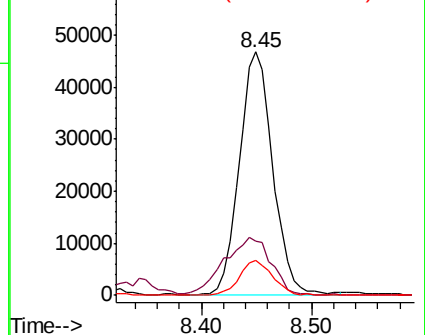
87 14.3 12.3 18.5



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: 20.759 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066994.D

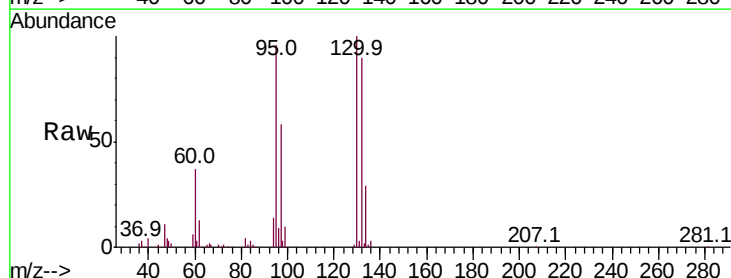
Acq: 01 Oct 2020 15:57

Tgt Ion:130 Resp: 120904

Ion Ratio Lower Upper

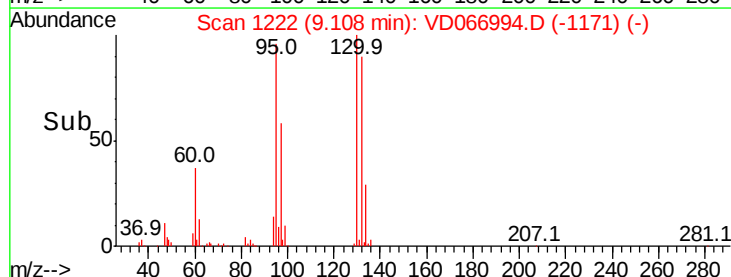
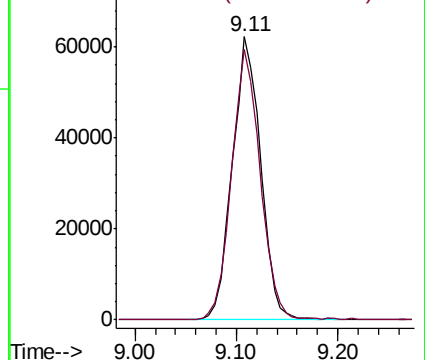
130 100

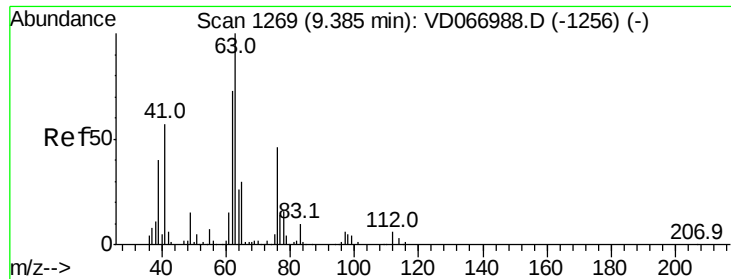
95 95.8 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

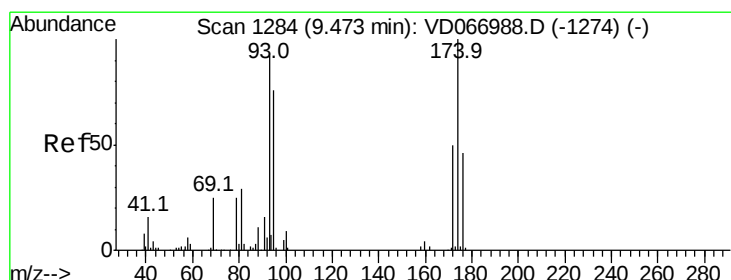
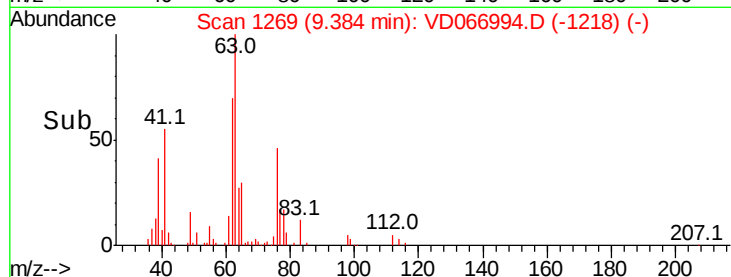
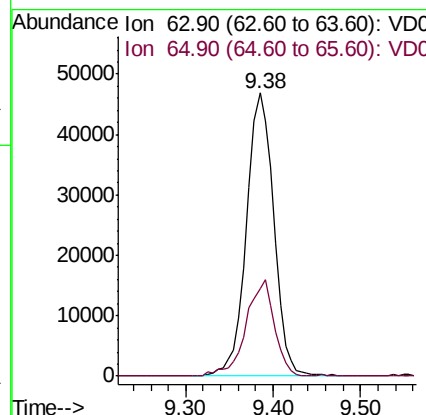
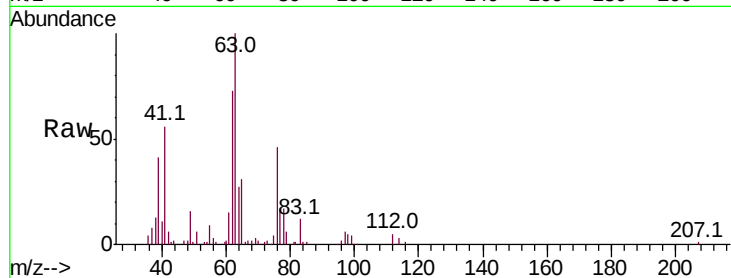




#45
 1,2-Dichloropropane
 Concen: 21.561 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

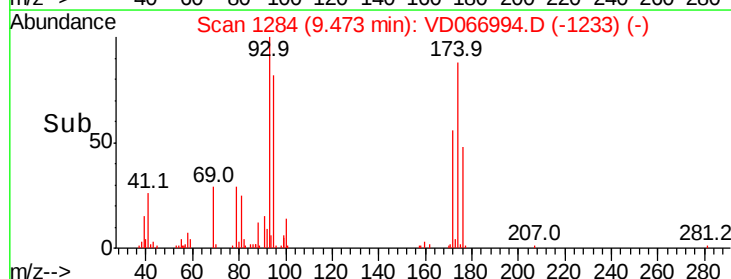
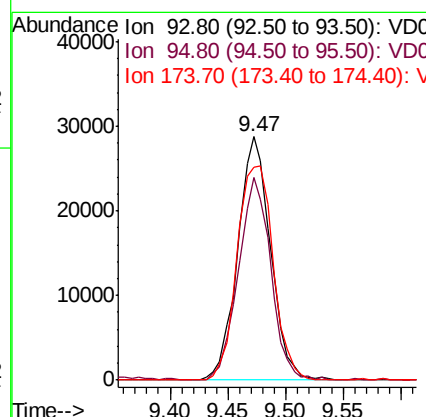
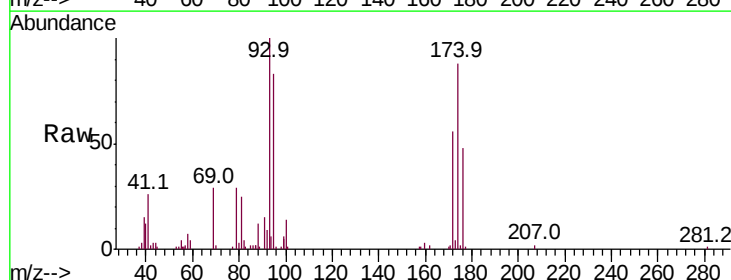
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

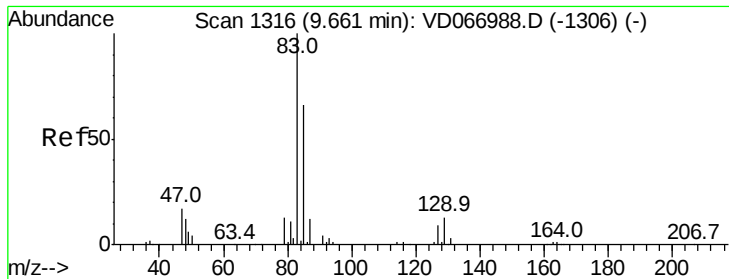
Tot Ion: 63 Resp: 98807
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.7 35.5



#46
 Dibromomethane
 Concen: 21.514 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion: 93 Resp: 56667
 Ion Ratio Lower Upper
 93 100
 95 81.9 64.7 97.1
 174 97.0 81.4 122.2





#47

Bromodichloromethane

Concen: 21.173 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

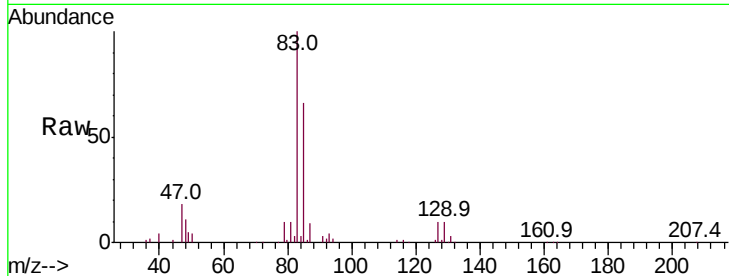
Tot Ion: 83 Resp: 144964

Ion Ratio Lower Upper

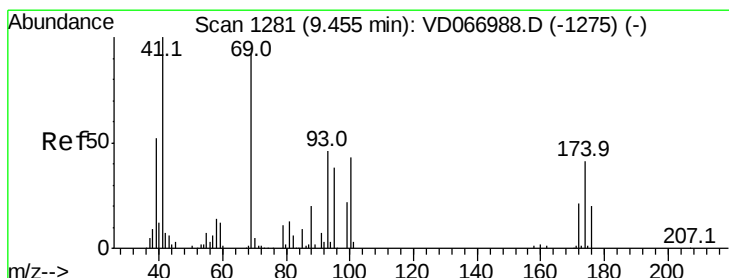
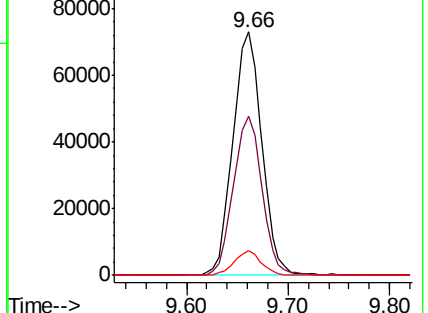
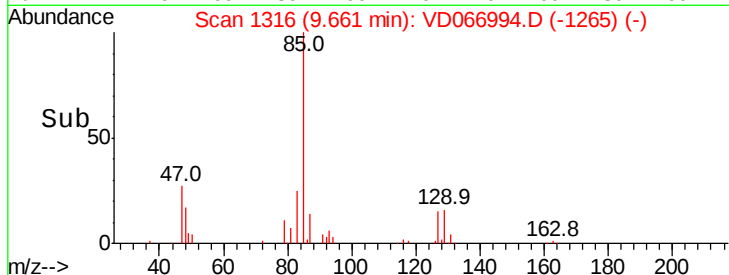
83 100

85 65.5 52.9 79.3

127 10.0 7.3 10.9



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



#48

Methyl methacrylate

Concen: 19.635 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

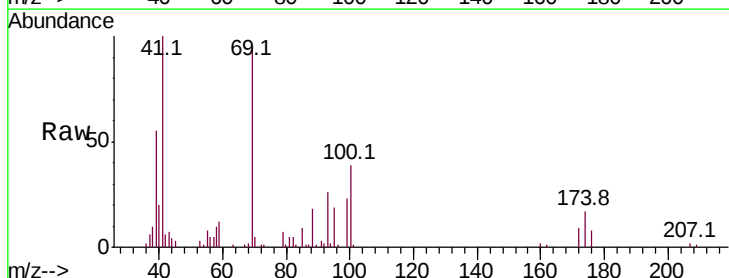
Tgt Ion: 41 Resp: 45080

Ion Ratio Lower Upper

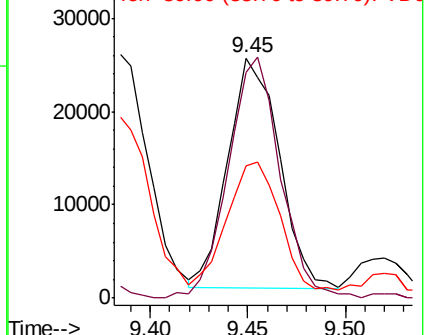
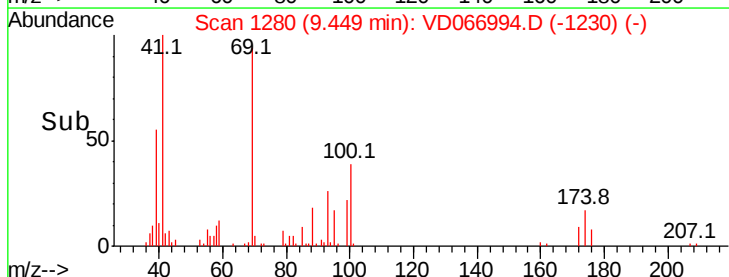
41 100

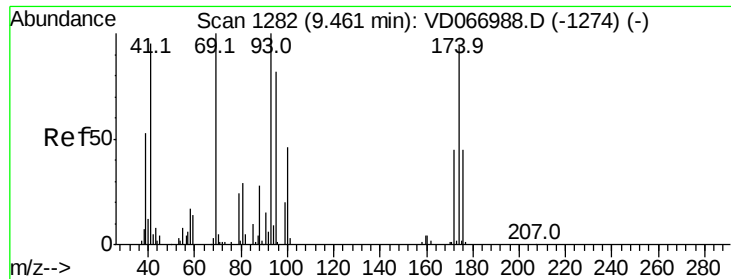
69 105.7 68.5 102.7#

39 57.2 40.2 60.2



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





#49

1,4-Dioxane

Concen: 467.408 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

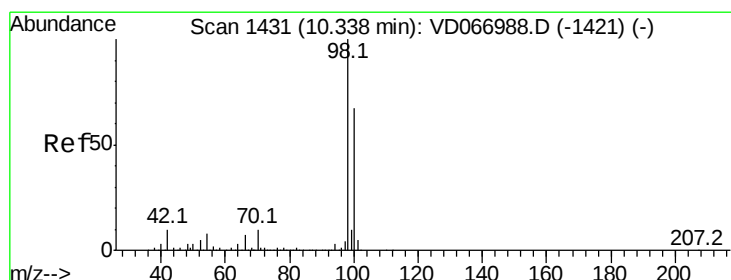
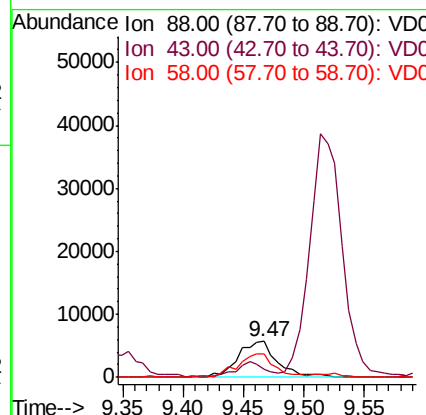
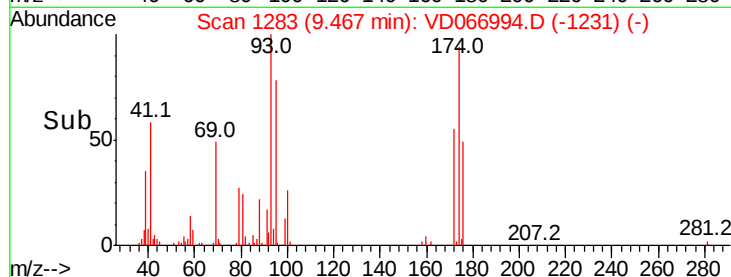
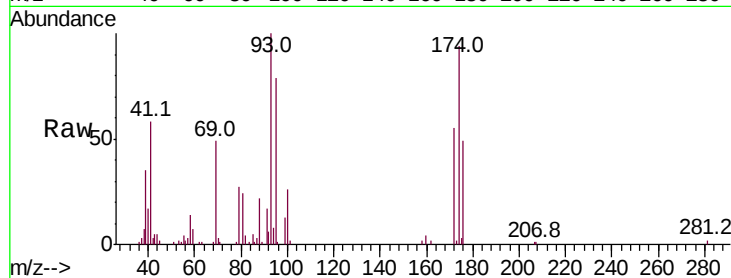
Tot Ion: 88 Resp: 12849

Ion Ratio Lower Upper

88 100

43 33.3 25.6 38.4

58 63.0 53.5 80.3



#50

Toluene-d8

Concen: 51.089 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066994.D

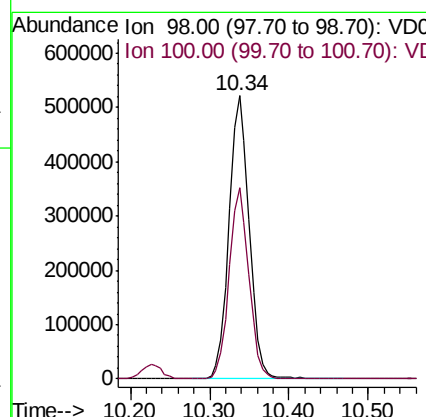
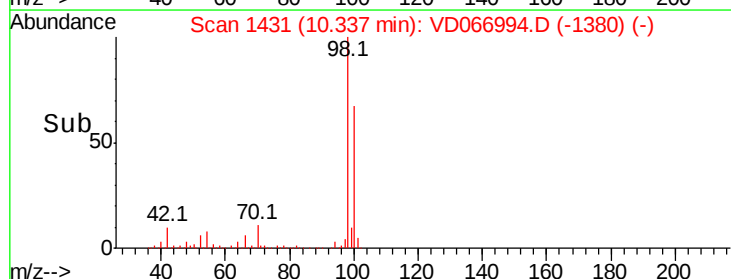
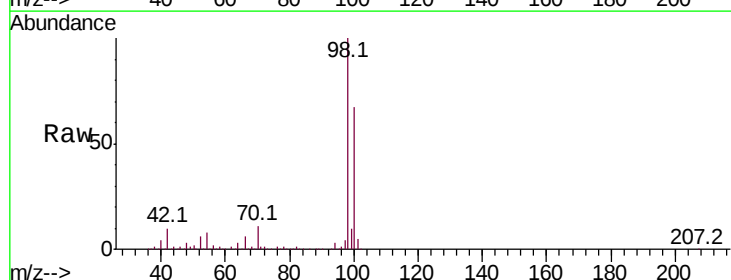
Acq: 01 Oct 2020 15:57

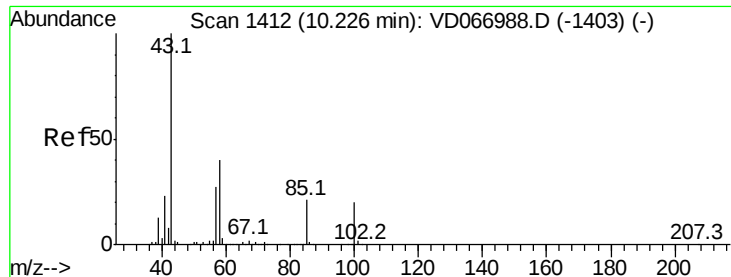
Tgt Ion: 98 Resp: 918166

Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 109.547 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

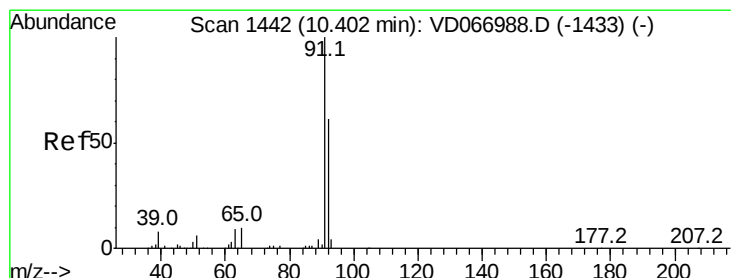
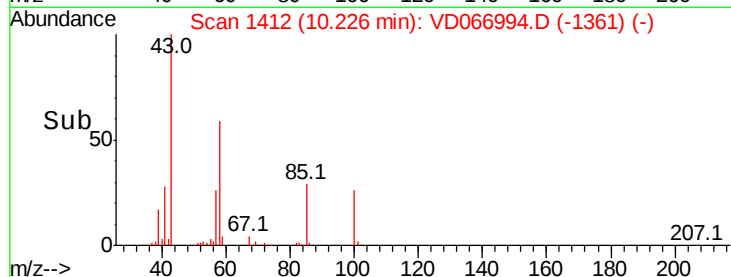
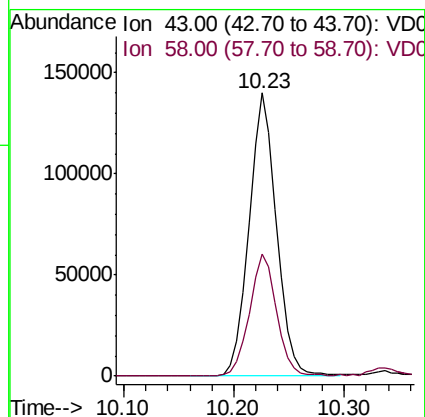
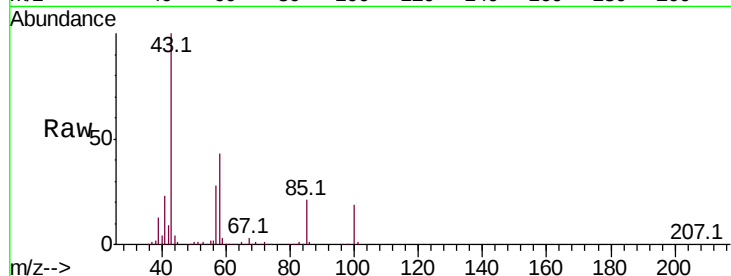
VD1001SBS01

Tot Ion: 43 Resp: 244531

Ion Ratio Lower Upper

43 100

58 43.0 33.8 50.8



#52

Toluene

Concen: 21.441 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066994.D

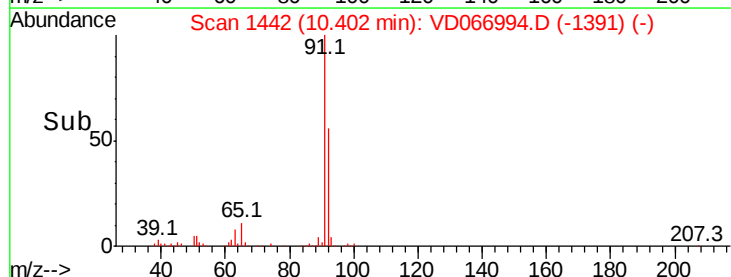
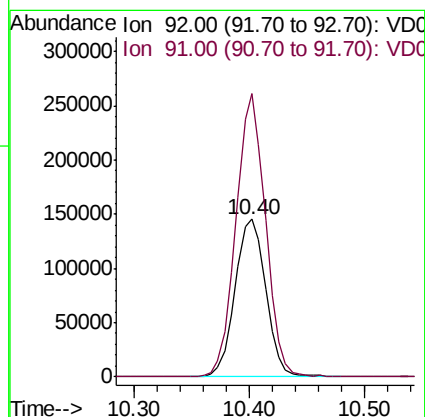
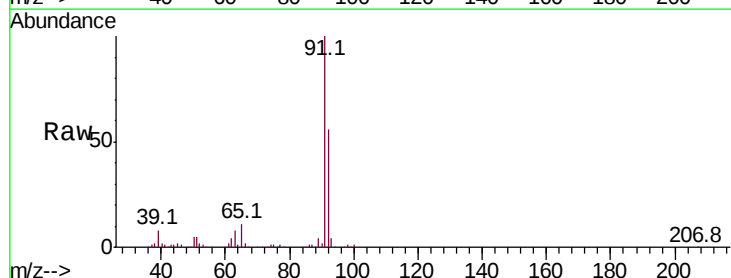
Acq: 01 Oct 2020 15:57

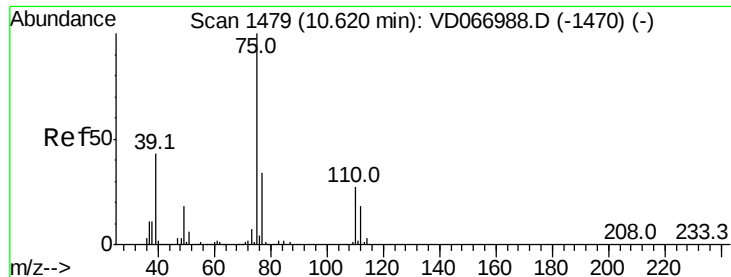
Tgt Ion: 92 Resp: 269381

Ion Ratio Lower Upper

92 100

91 172.1 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 21.443 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

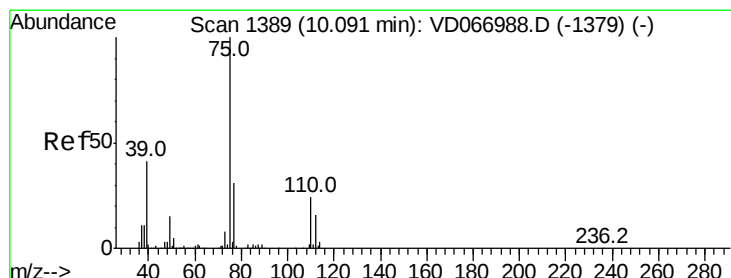
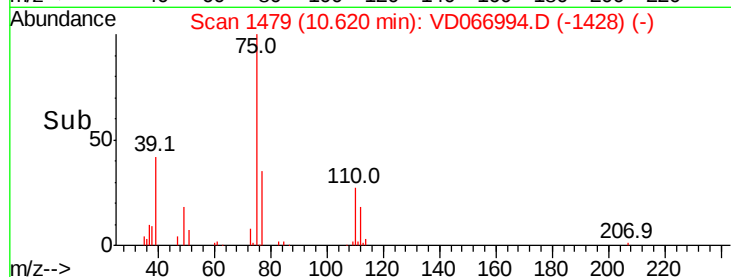
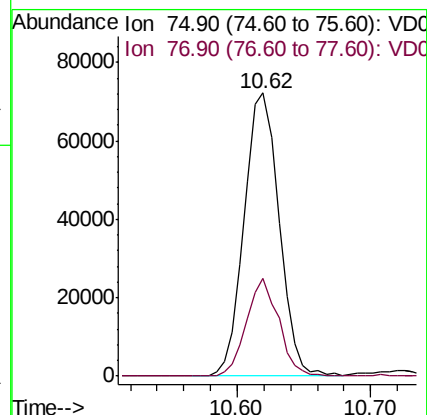
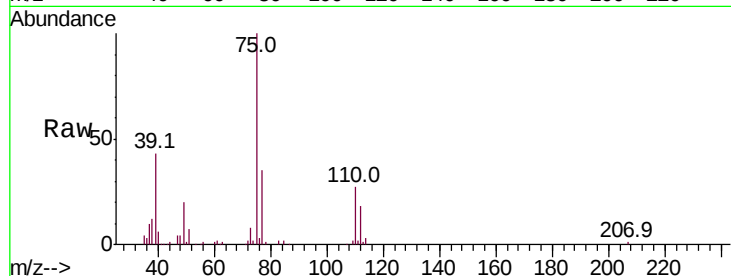
VD1001SBSD01

Tot Ion: 75 Resp: 131212

Ion Ratio Lower Upper

75 100

77 34.8 27.1 40.7



#54

cis-1,3-Dichloropropene

Concen: 21.192 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

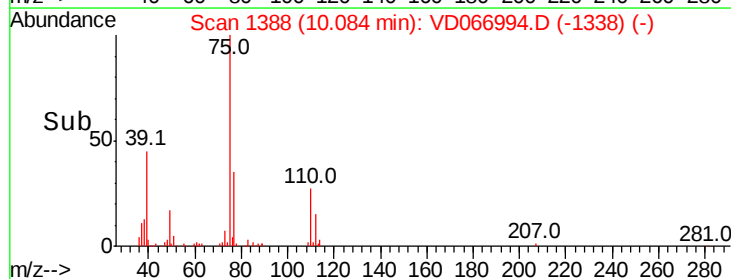
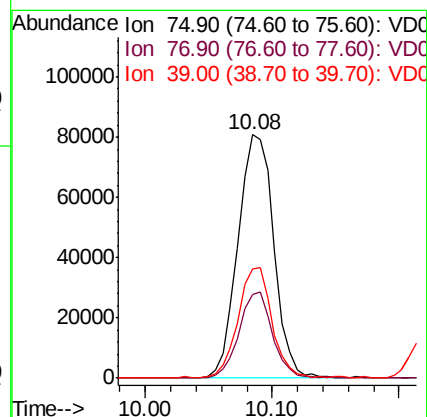
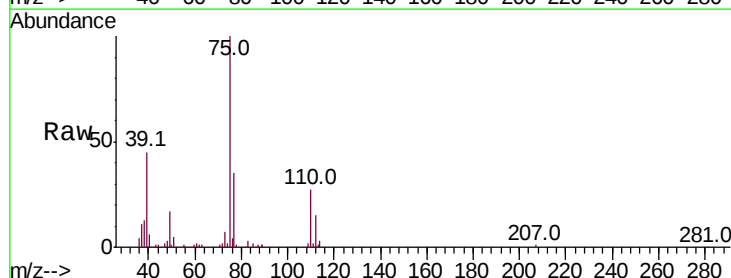
Tgt Ion: 75 Resp: 158348

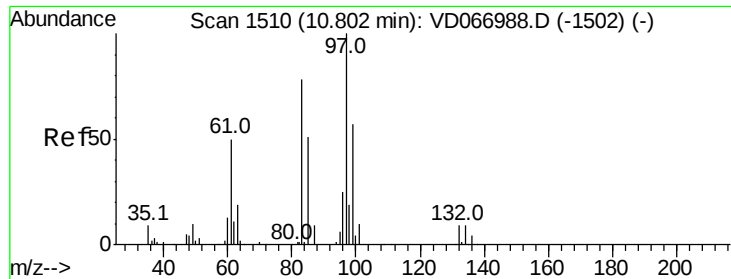
Ion Ratio Lower Upper

75 100

77 34.5 24.6 37.0

39 44.7 33.0 49.4

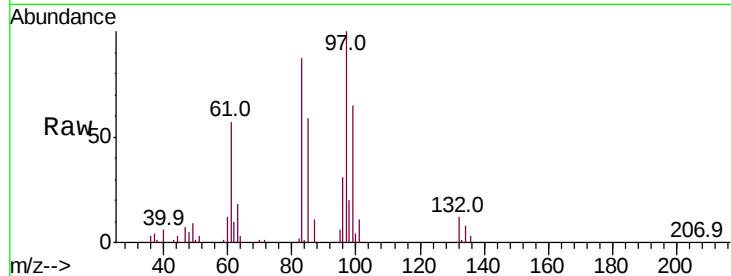




#55
 1,1,2-Trichloroethane
 Concen: 21.141 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBSD01

Tot Ion:	97	Resp:	77419
Ion	Ratio	Lower	Upper
97	100		
83	86.5	62.4	93.6
85	59.6	41.0	61.4
99	65.3	45.9	68.9



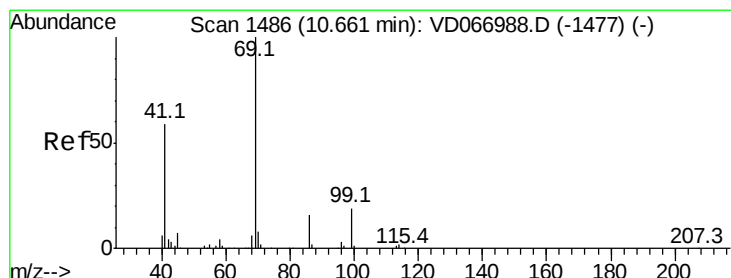
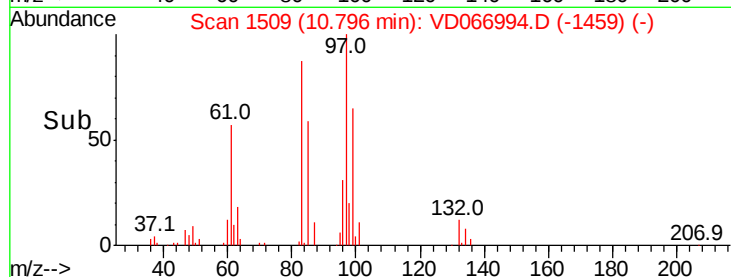
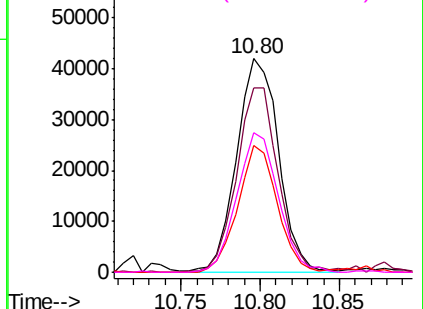
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

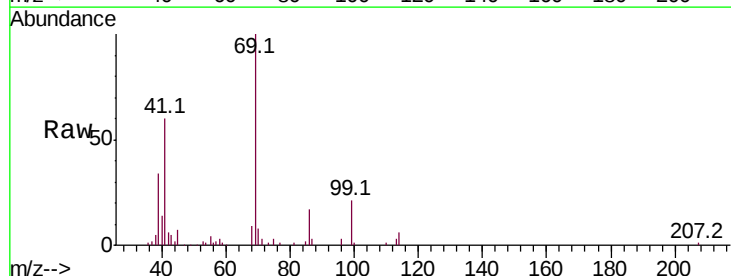
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 22.305 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion:	69	Resp:	84328
Ion	Ratio	Lower	Upper
69	100		
41	60.1	46.4	69.6
39	30.0	23.8	35.6

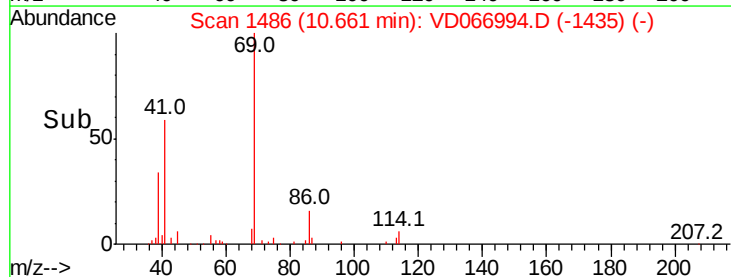
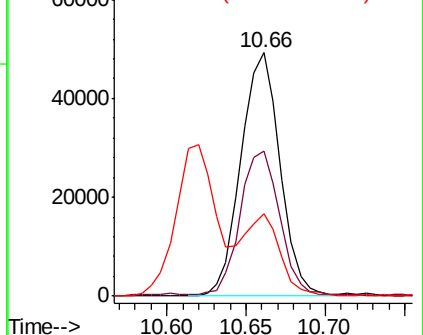


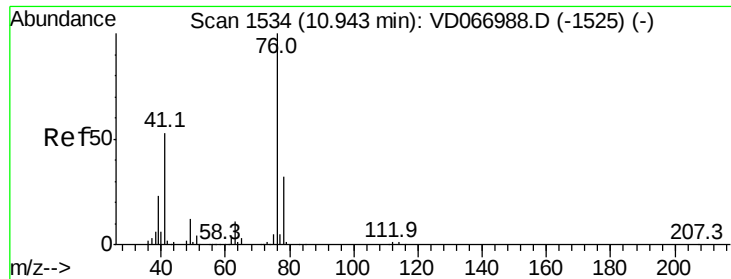
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

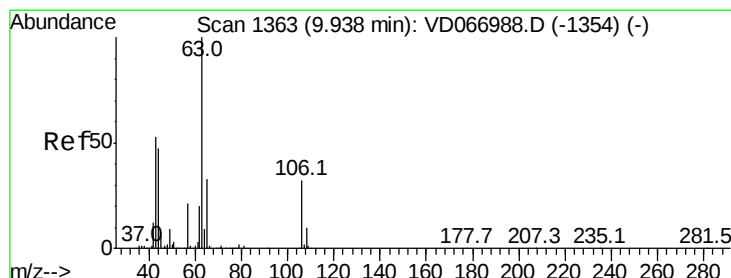
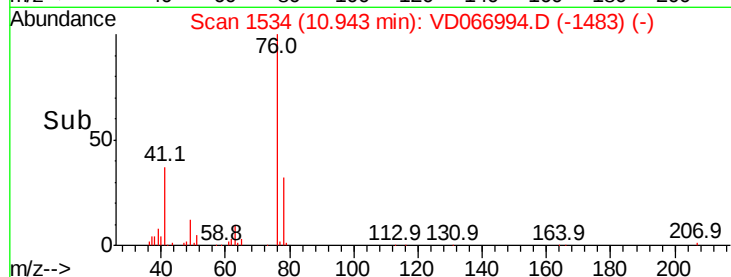
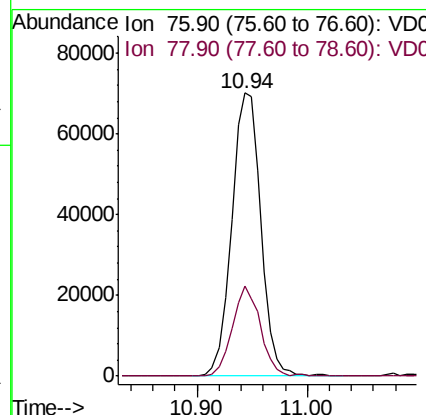
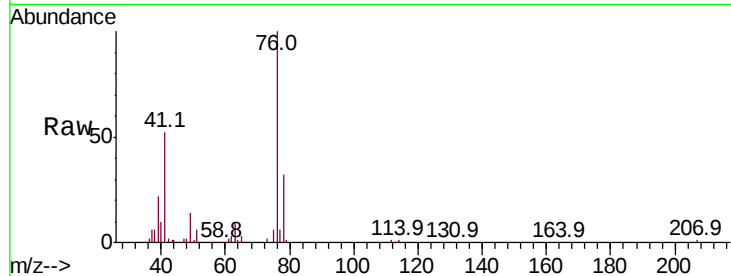




#57
 1,3-Dichloropropane
 Concen: 21.780 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

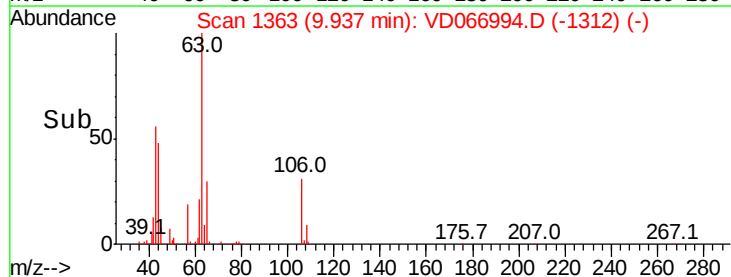
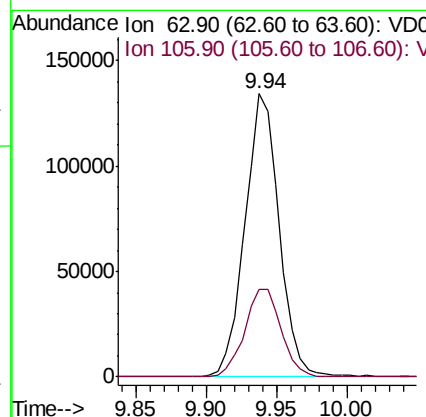
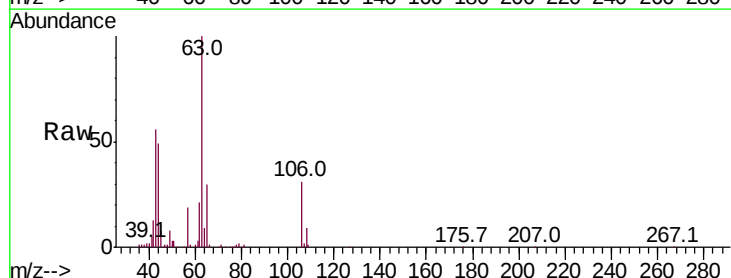
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

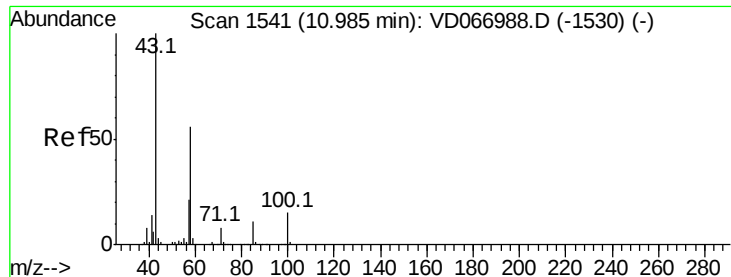
Tot Ion: 76 Resp: 129338
 Ion Ratio Lower Upper
 76 100
 78 30.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.216 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion: 63 Resp: 227719
 Ion Ratio Lower Upper
 63 100
 106 33.3 25.3 37.9

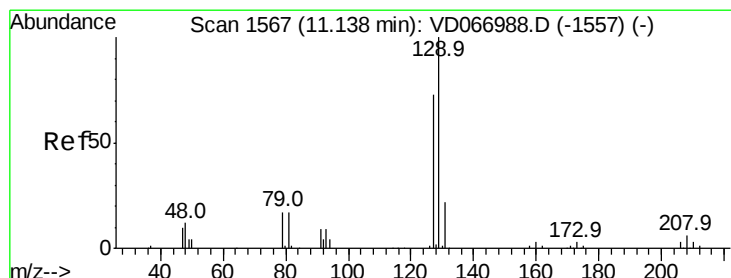
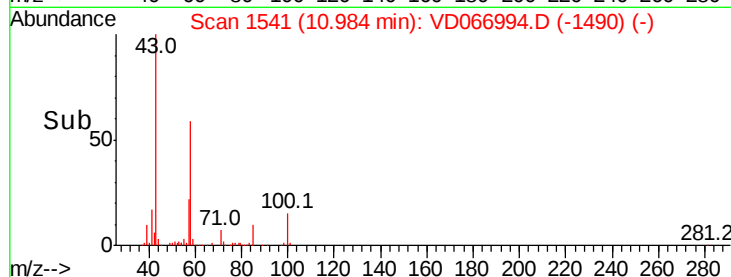
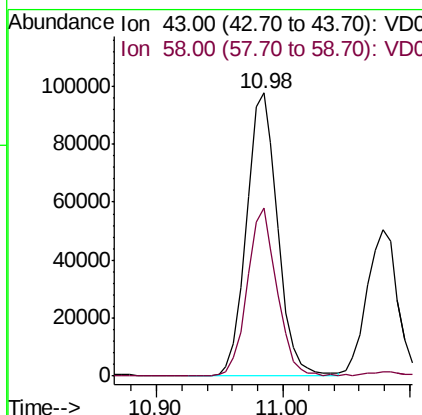
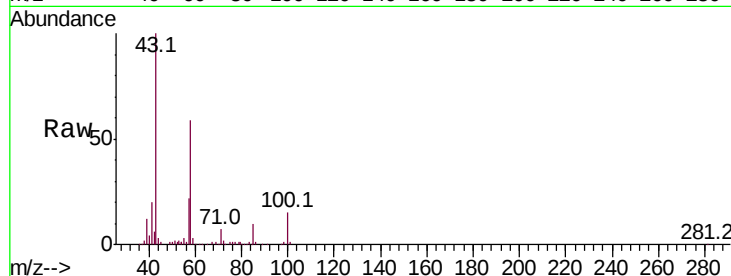




#59
2-Hexanone
Concen: 112.292 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

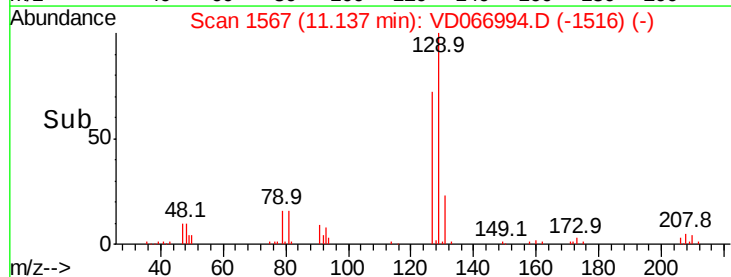
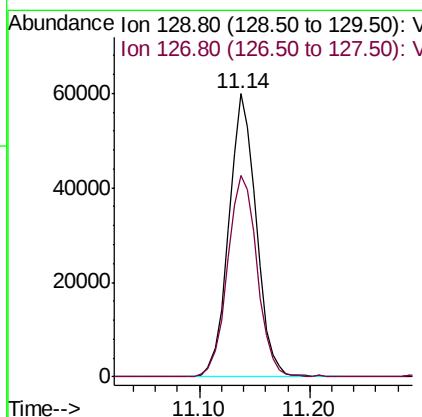
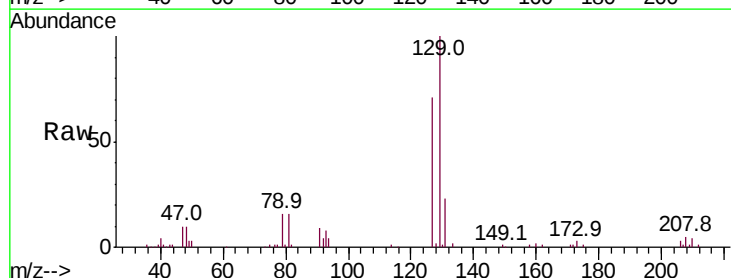
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

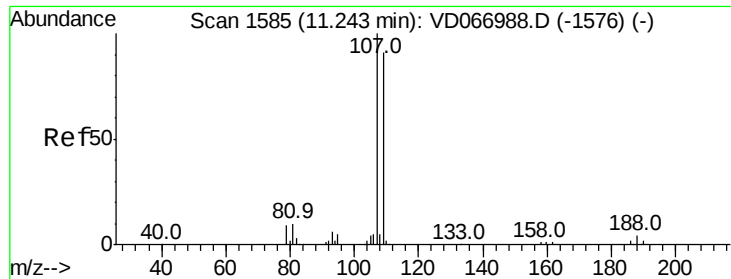
Tot Ion: 43 Resp: 167299
Ion Ratio Lower Upper
43 100
58 56.6 28.3 84.9



#60
Dibromochloromethane
Concen: 21.377 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion:129 Resp: 104334
Ion Ratio Lower Upper
129 100
127 76.7 37.4 112.1





#61

1,2-Dibromoethane

Concen: 21.183 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

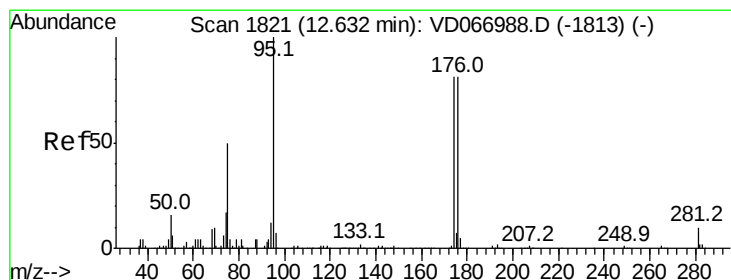
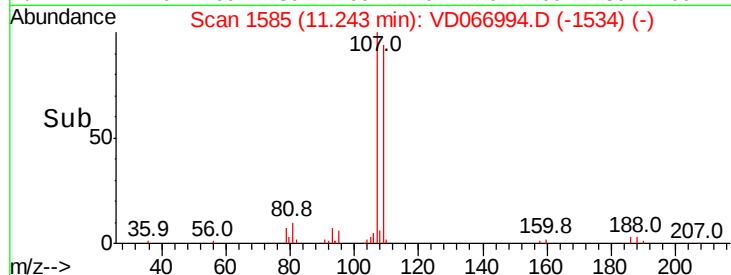
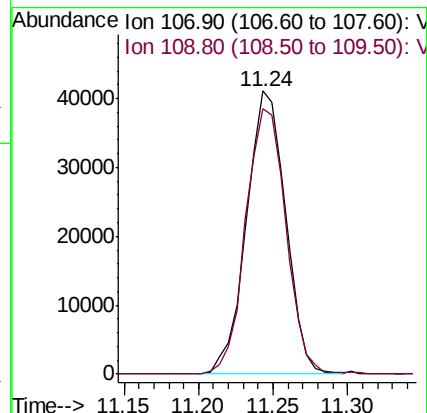
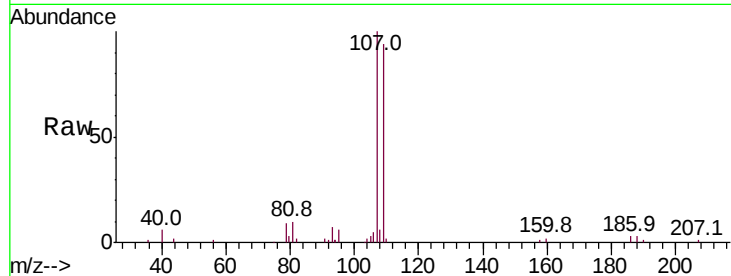
VD1001SBSD01

Tot Ion:107 Resp: 74524

Ion Ratio Lower Upper

107 100

109 96.6 74.0 111.0



#62

4-Bromofluorobenzene

Concen: 51.114 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

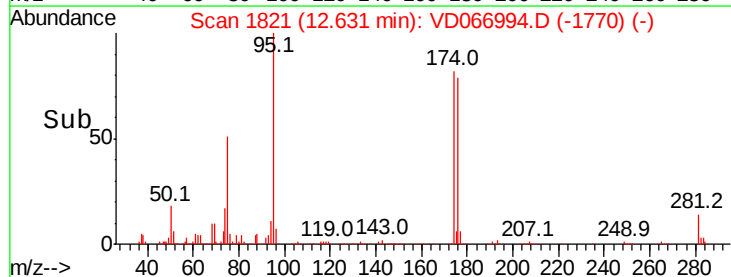
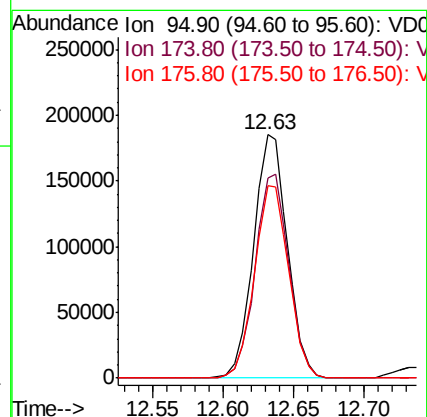
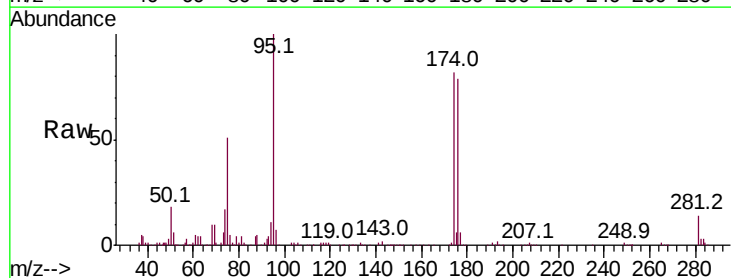
Tgt Ion: 95 Resp: 311845

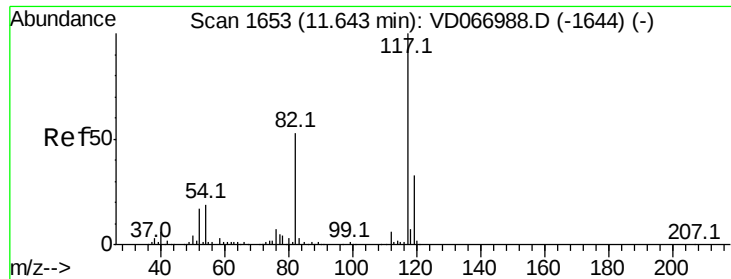
Ion Ratio Lower Upper

95 100

174 83.4 0.0 167.6

176 80.1 0.0 162.4

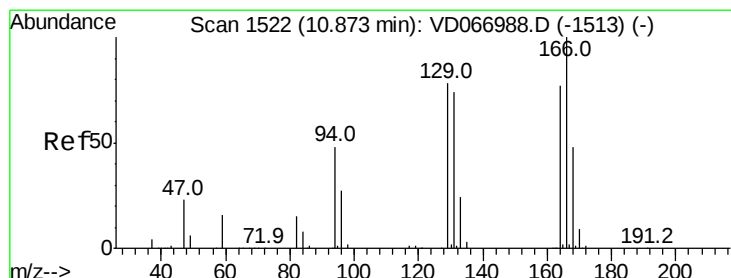
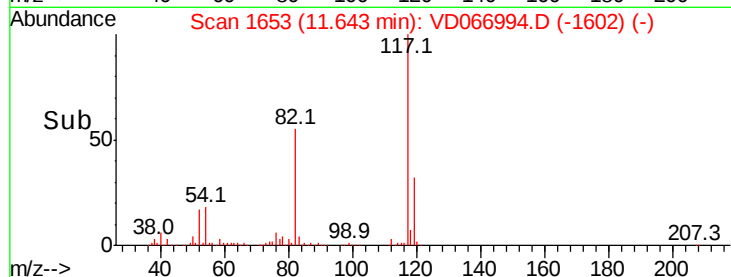
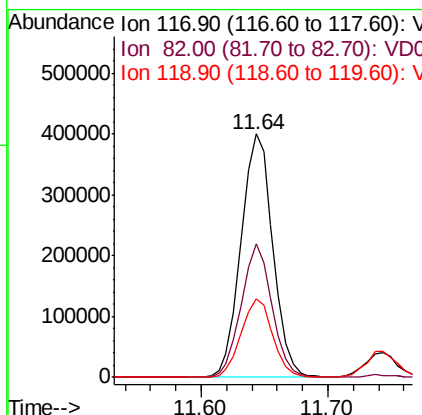
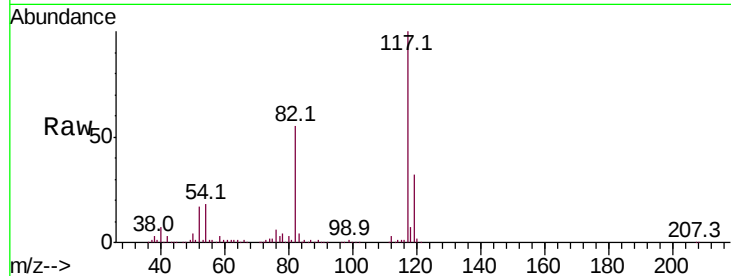




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

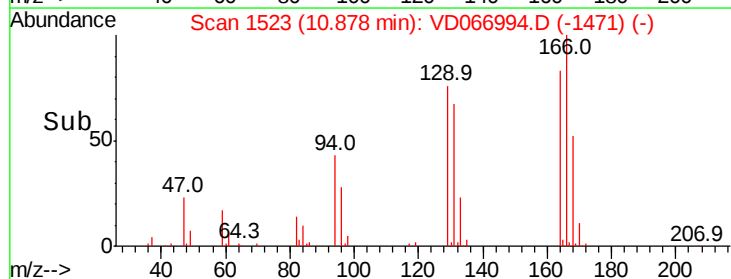
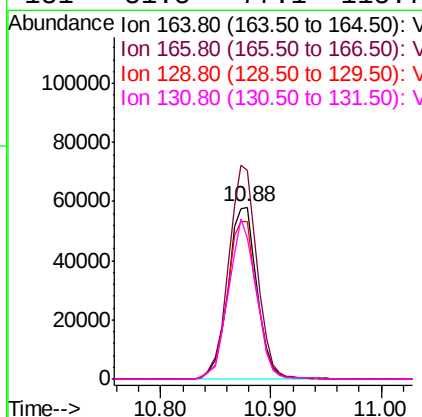
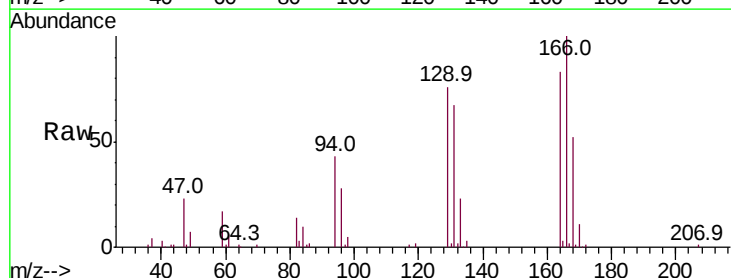
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

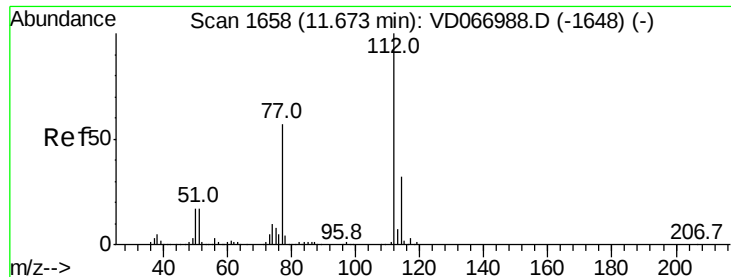
Tot Ion:117 Resp: 695170
Ion Ratio Lower Upper
117 100
82 54.8 42.6 63.8
119 32.4 26.3 39.5



#64
Tetrachloroethene
Concen: 21.182 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion:164 Resp: 107051
Ion Ratio Lower Upper
164 100
166 121.1 104.4 156.6
129 91.5 81.3 121.9
131 81.5 77.1 115.7

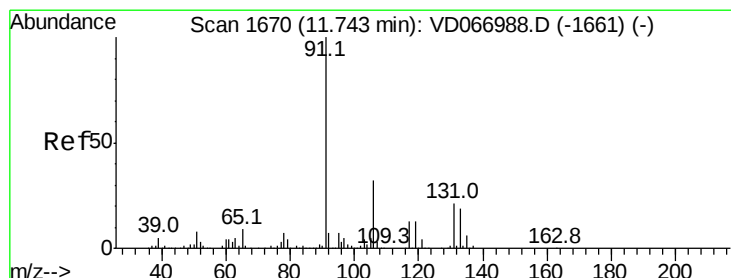
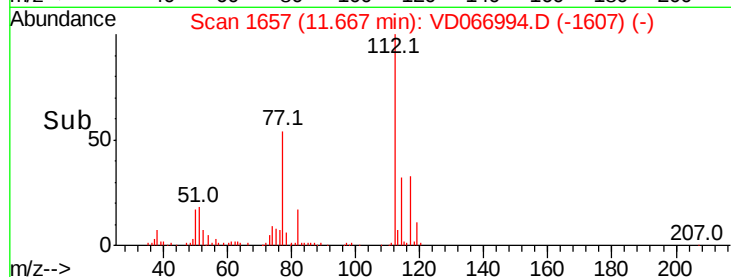
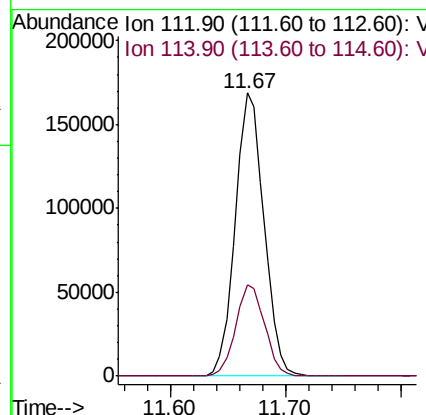
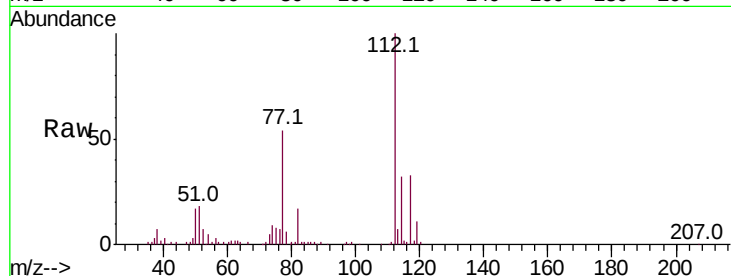




#65
Chlorobenzene
Concen: 21.050 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

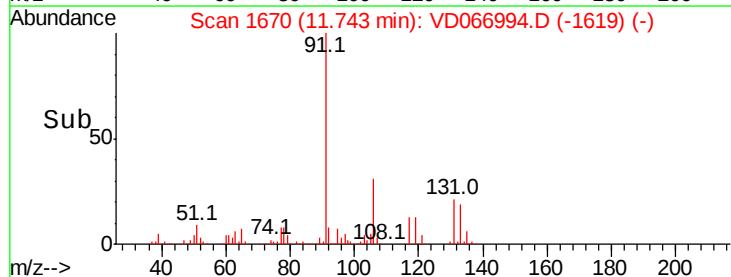
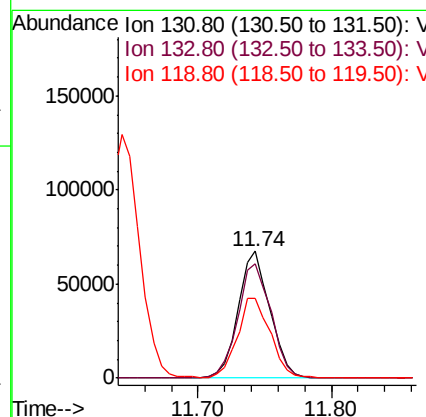
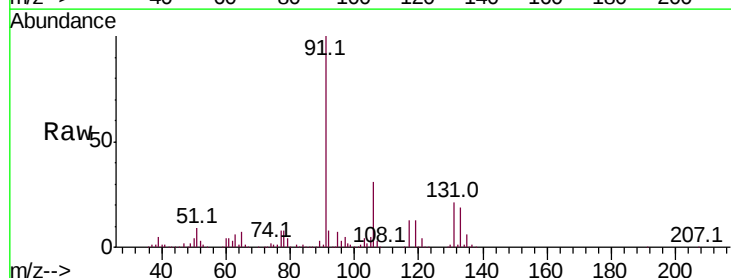
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

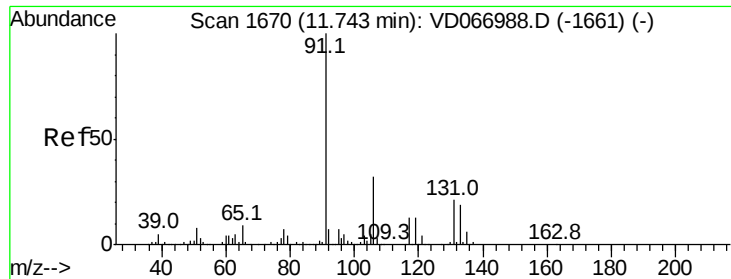
Tot Ion:112 Resp: 291034
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.049 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion:131 Resp: 110704
Ion Ratio Lower Upper
131 100
133 94.3 47.8 143.3
119 65.8 32.3 96.8





#67

Ethyl Benzene

Concen: 21.467 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

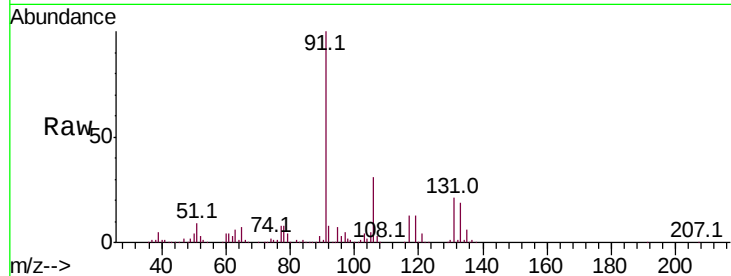
VD1001SBSD01

Tot Ion: 91 Resp: 508543

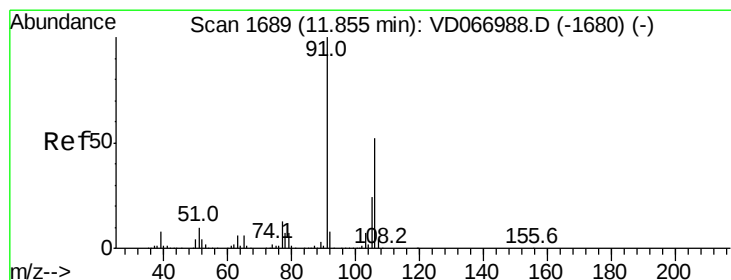
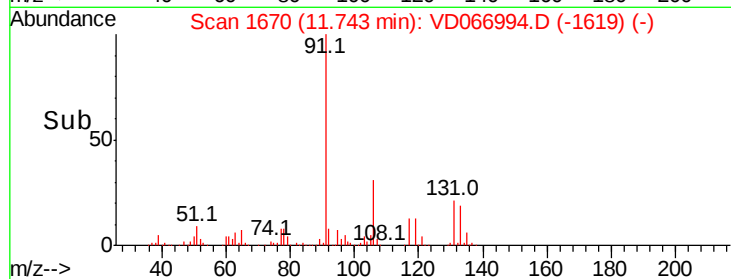
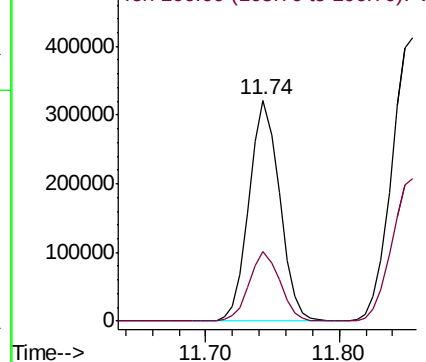
Ion Ratio Lower Upper

91 100

106 31.5 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.974 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066994.D

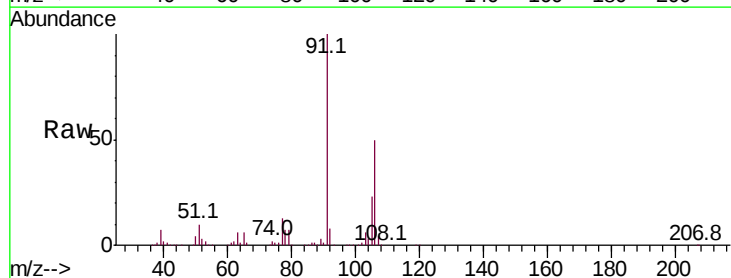
Acq: 01 Oct 2020 15:57

Tgt Ion: 106 Resp: 396741

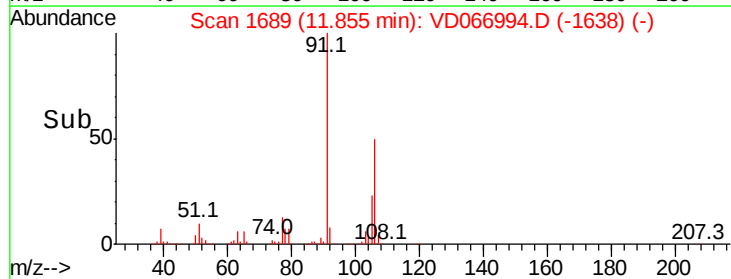
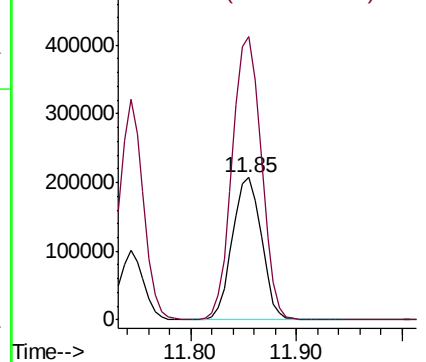
Ion Ratio Lower Upper

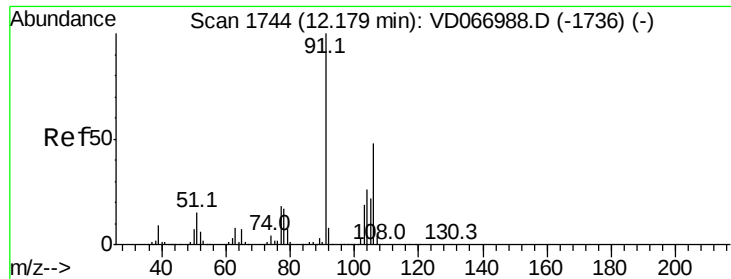
106 100

91 198.6 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): V

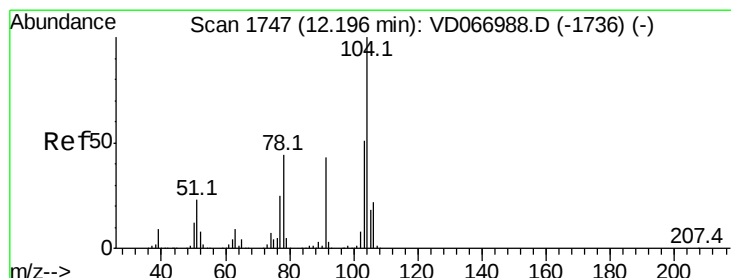
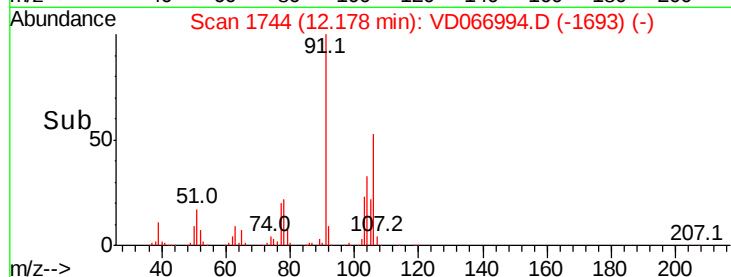
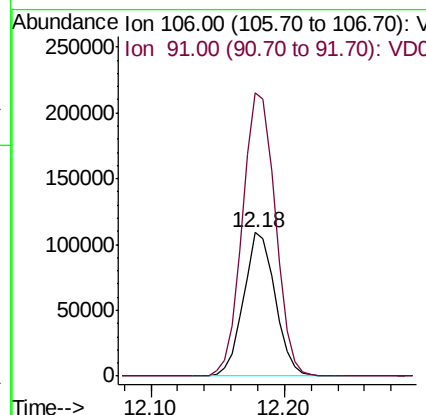
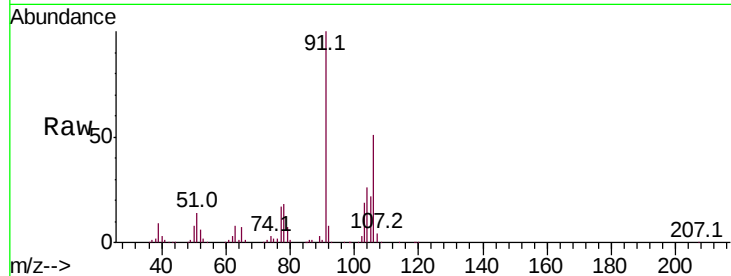




#69
o-Xylene
Concen: 21.577 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

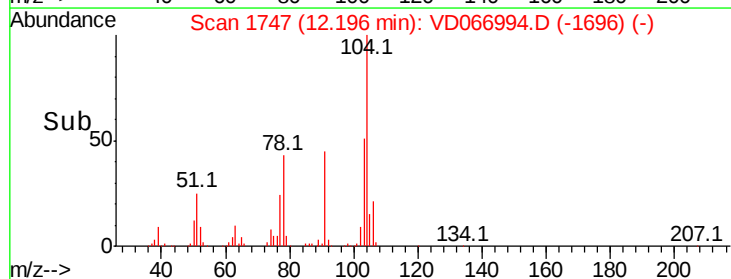
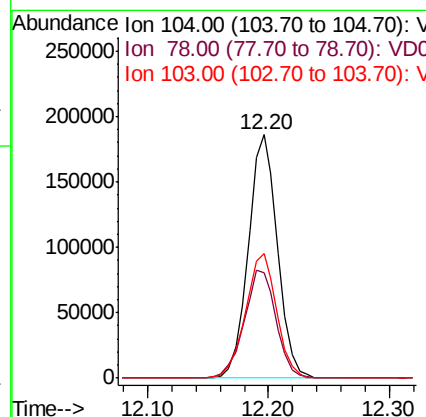
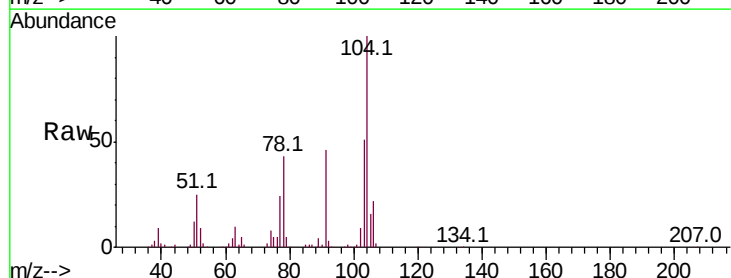
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

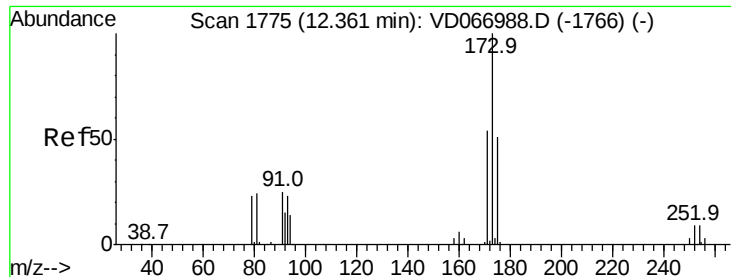
Tot Ion:106 Resp: 178135
Ion Ratio Lower Upper
106 100
91 206.0 102.4 307.2



#70
Styrene
Concen: 22.024 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion:104 Resp: 312231
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 54.5 43.4 65.0

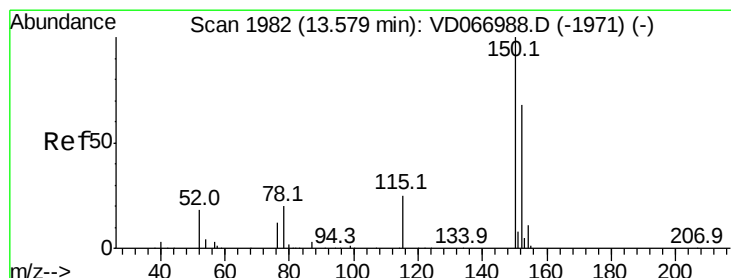
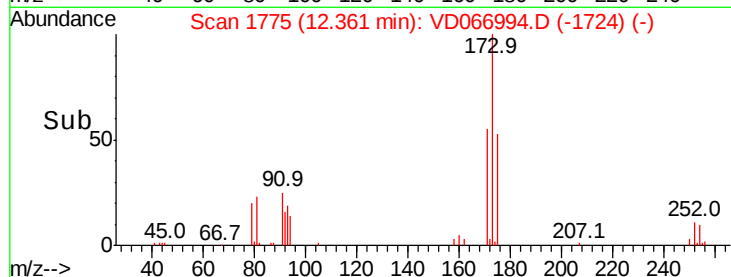
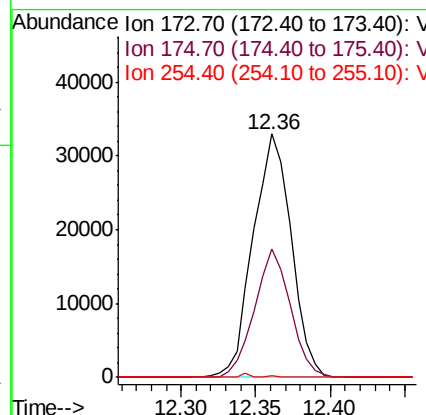
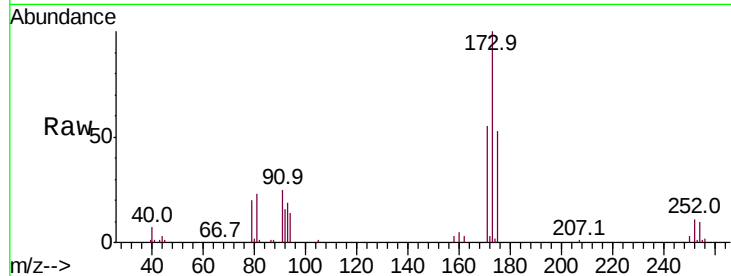




#71
Bromoform
Concen: 21.281 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

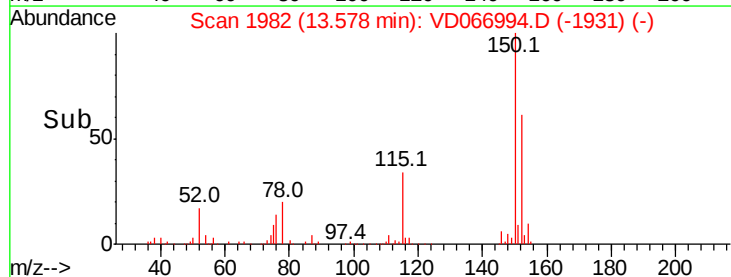
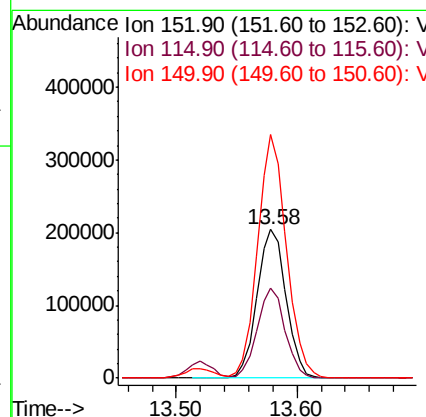
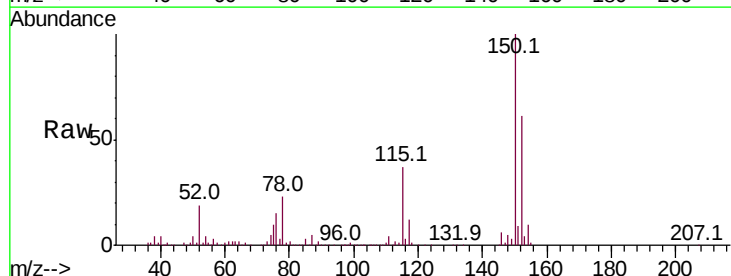
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

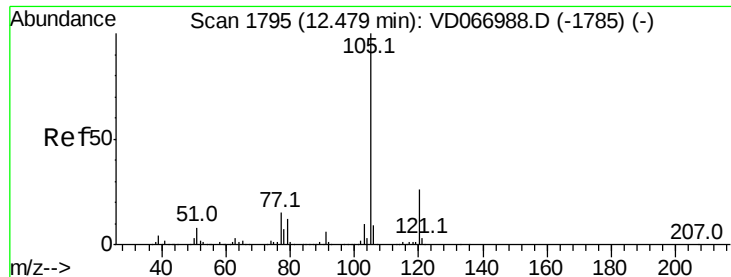
Tot Ion:173 Resp: 58097
Ion Ratio Lower Upper
173 100
175 49.5 24.9 74.7
254 0.1 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion:152 Resp: 340504
Ion Ratio Lower Upper
152 100
115 58.3 29.6 88.8
150 163.1 0.0 344.8





#73

Isopropylbenzene

Concen: 20.847 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

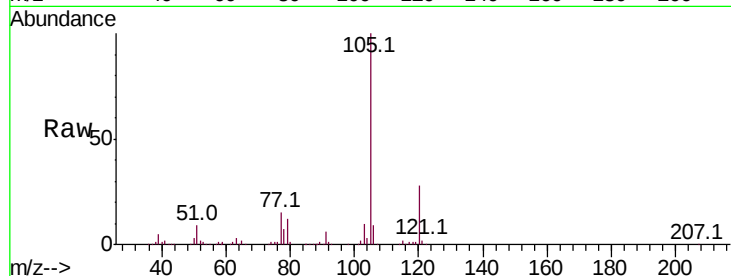
VD1001SBS01

Tot Ion:105 Resp: 482002

Ion Ratio Lower Upper

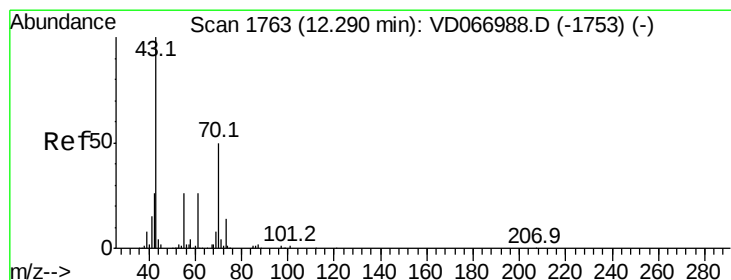
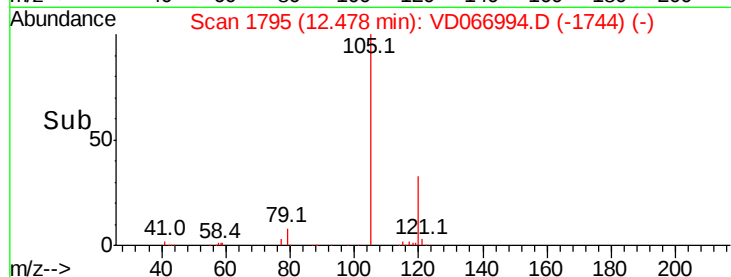
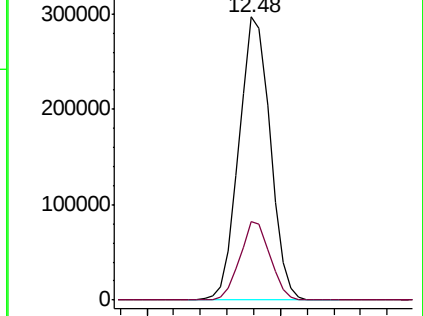
105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.246 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Tgt Ion: 43 Resp: 88305

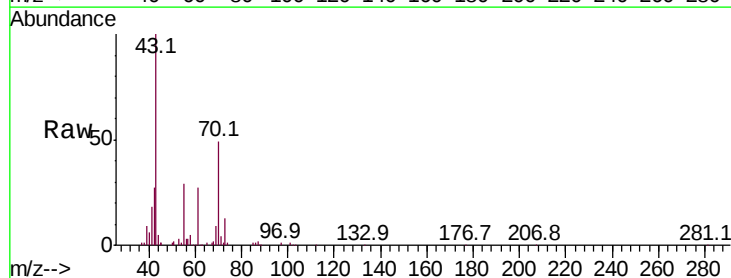
Ion Ratio Lower Upper

43 100

70 47.8 38.2 57.2

55 28.8 22.4 33.6

61 25.2 20.6 31.0

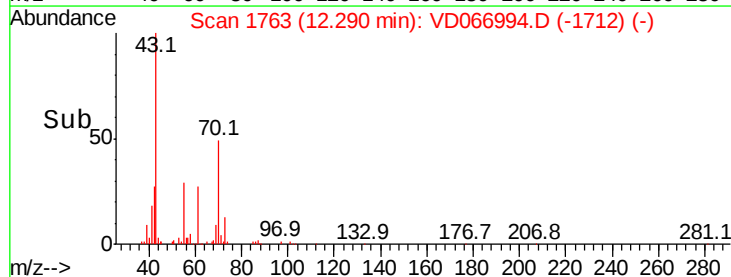
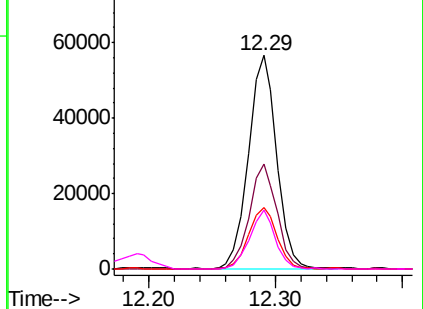


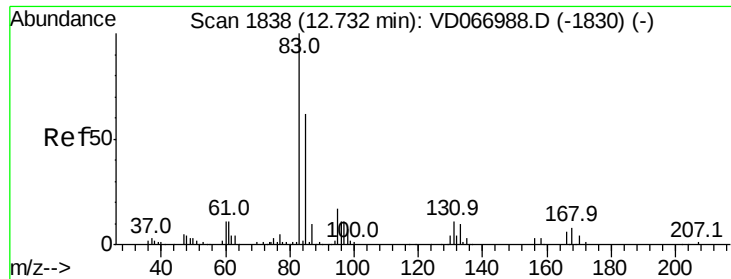
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.666 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

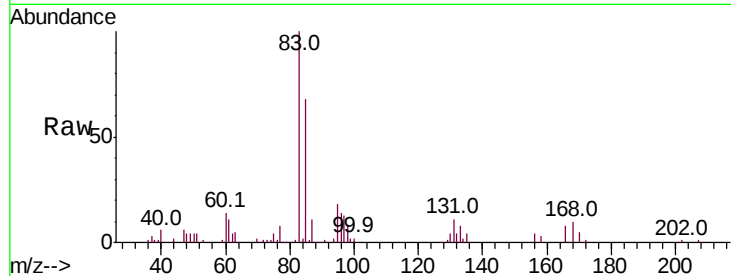
Tot Ion: 83 Resp: 80503

Ion Ratio Lower Upper

83 100

131 11.7 5.7 17.0

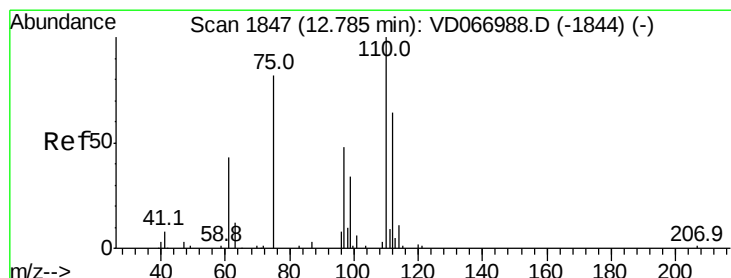
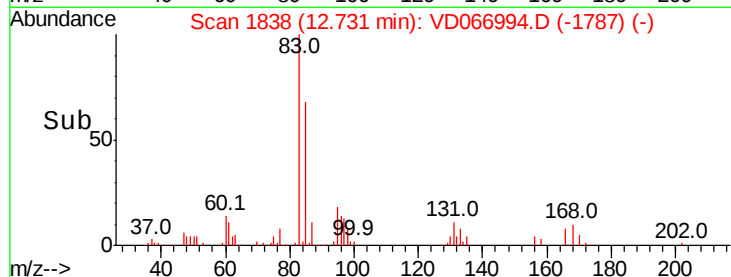
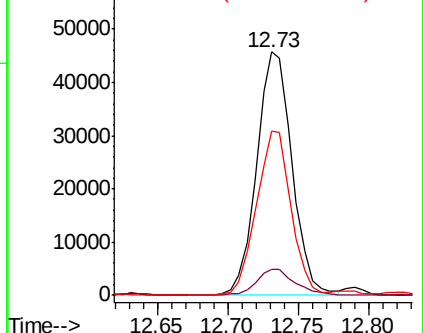
85 66.3 32.0 96.2



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: 35.261 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066994.D

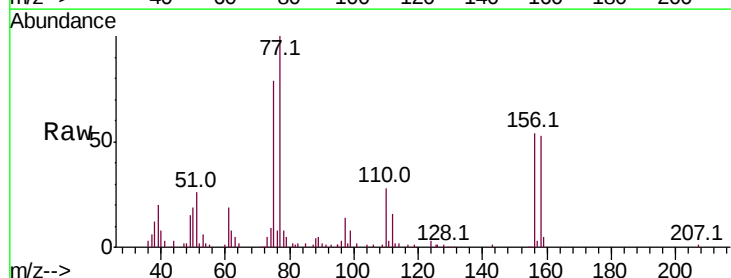
Acq: 01 Oct 2020 15:57

Tgt Ion: 75 Resp: 104580

Ion Ratio Lower Upper

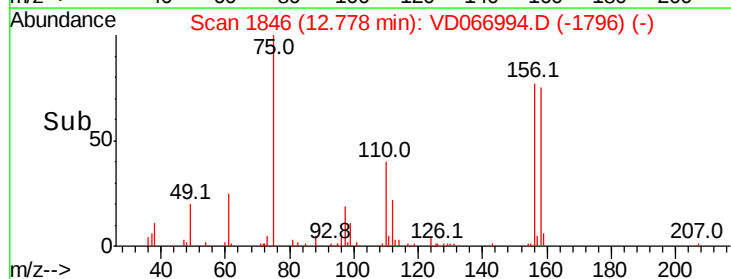
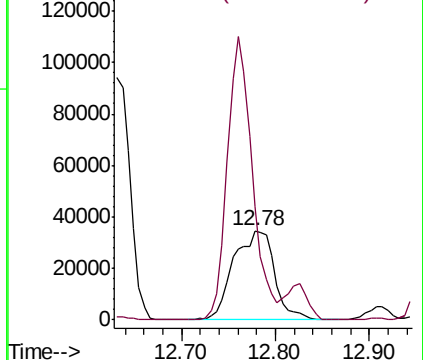
75 100

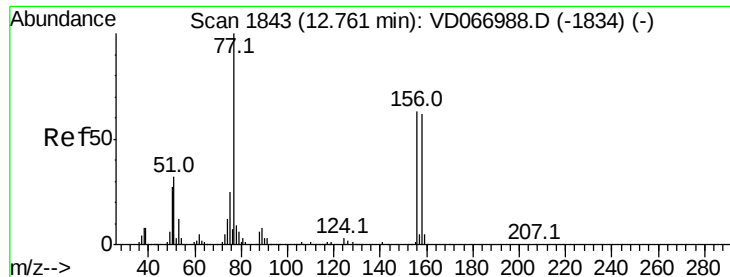
77 194.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.209 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

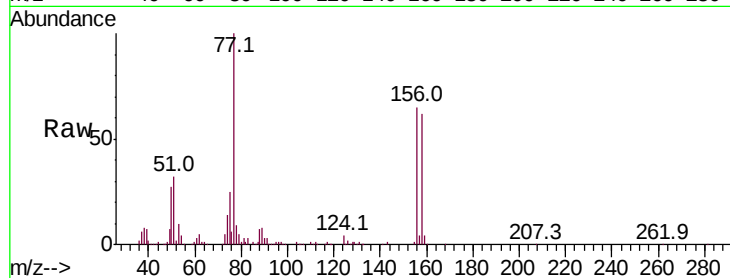
Tot Ion:156 Resp: 118403

Ion Ratio Lower Upper

156 100

77 172.2 86.3 258.8

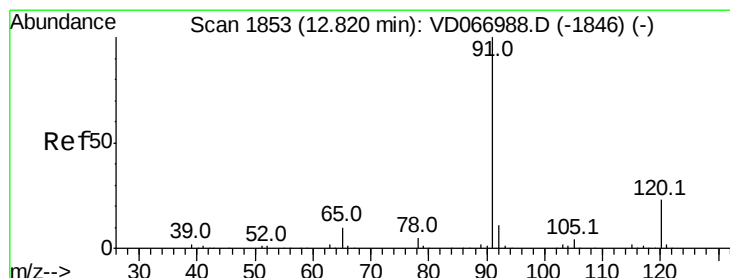
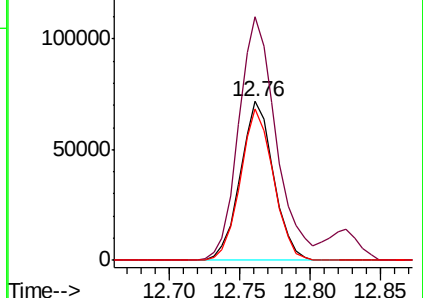
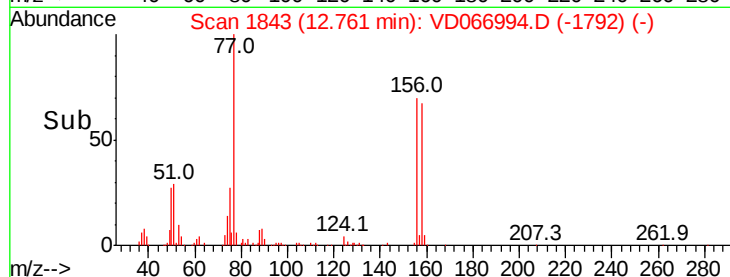
158 94.5 49.5 148.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.440 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066994.D

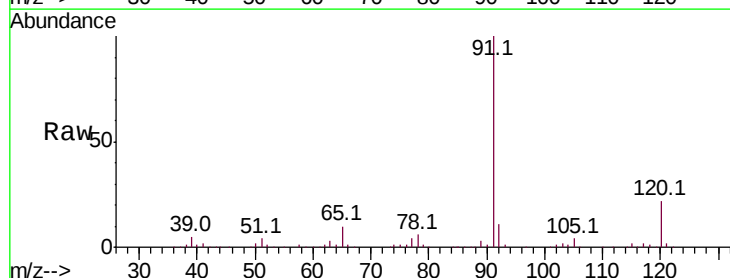
Acq: 01 Oct 2020 15:57

Tgt Ion: 91 Resp: 585848

Ion Ratio Lower Upper

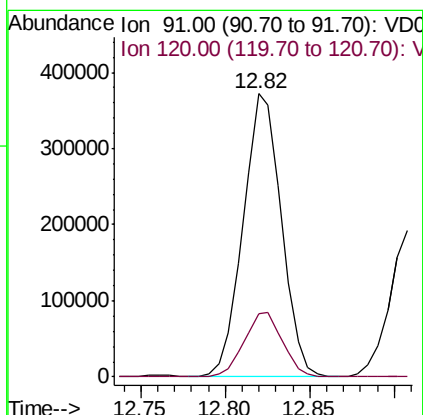
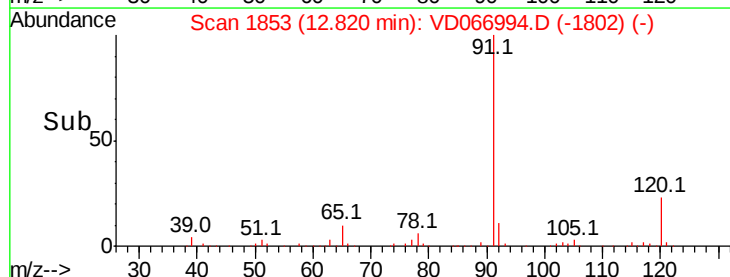
91 100

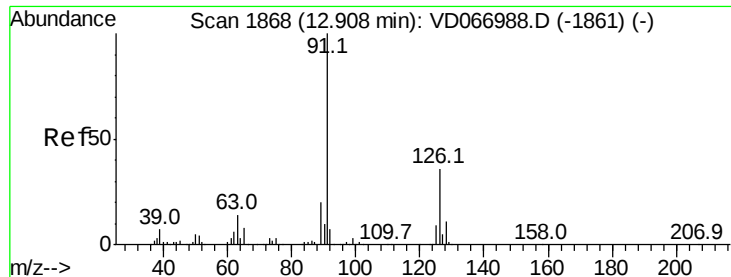
120 23.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.648 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

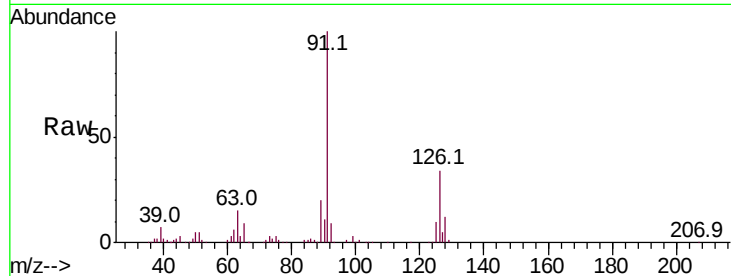
VD1001SBSD01

Tot Ion: 91 Resp: 322802

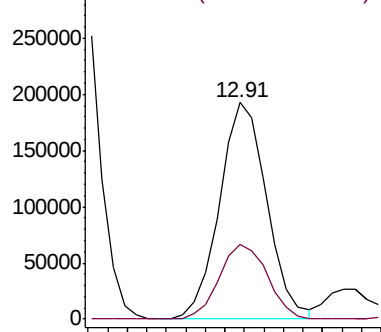
Ion Ratio Lower Upper

91 100

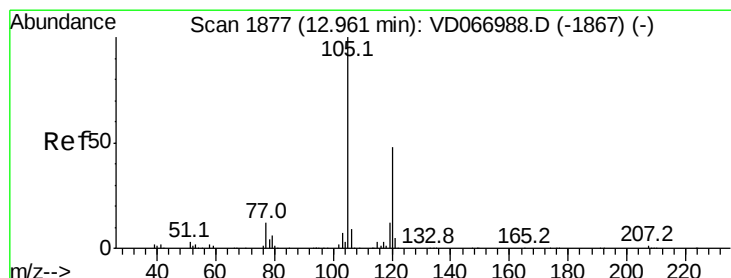
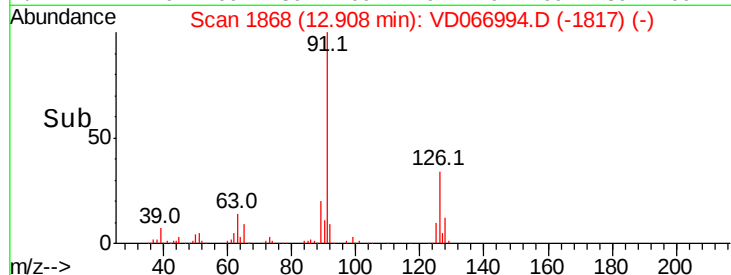
126 35.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.362 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066994.D

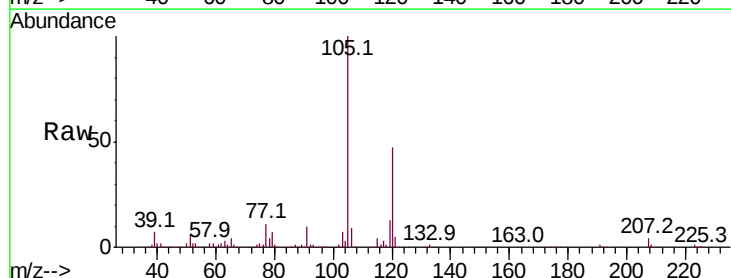
Acq: 01 Oct 2020 15:57

Tgt Ion:105 Resp: 417282

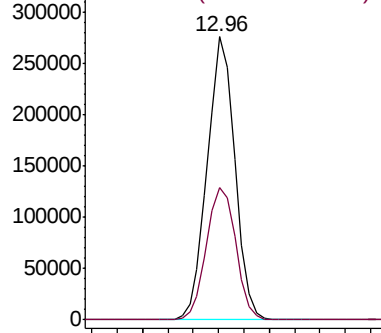
Ion Ratio Lower Upper

105 100

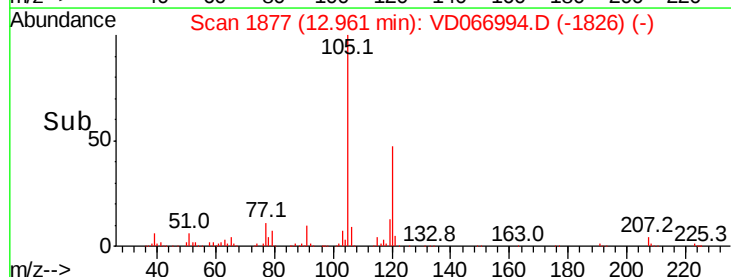
120 49.7 24.6 74.0

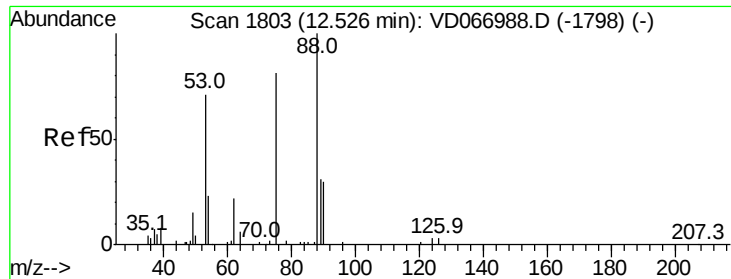


Abundance Ion 105.00 (104.70 to 105.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.572 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

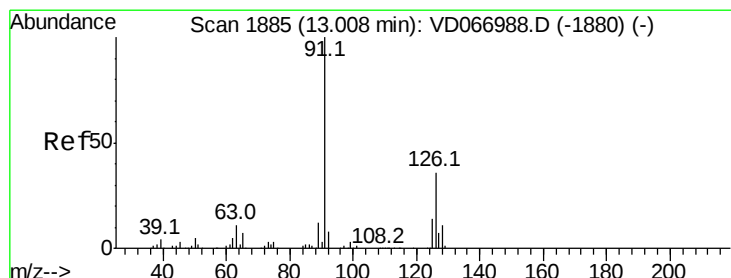
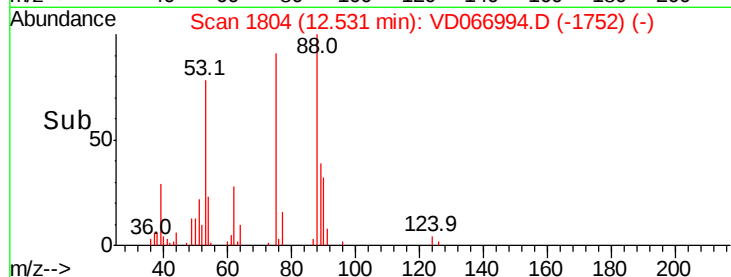
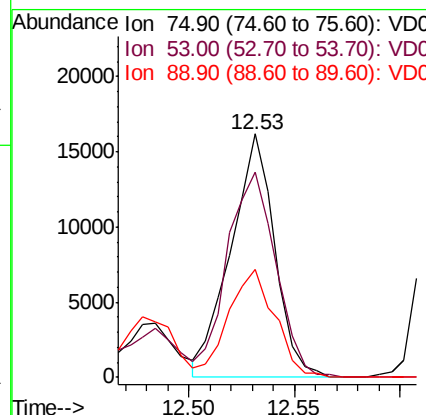
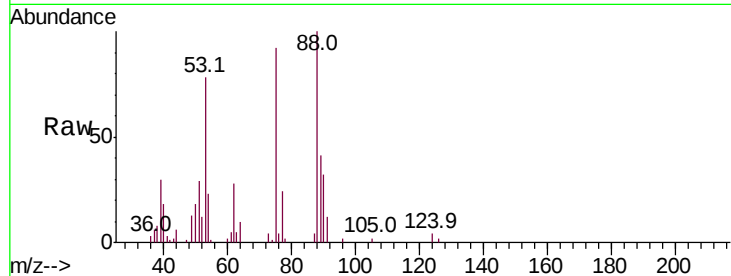
Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

Tot Ion: 75 Resp: 23283

Ion	Ratio	Lower	Upper
75	100		
53	93.7	73.8	110.6
89	46.9	38.9	58.3



#82

4-Chlorotoluene

Concen: 21.251 ug/l

RT: 13.01 min Scan# 1885

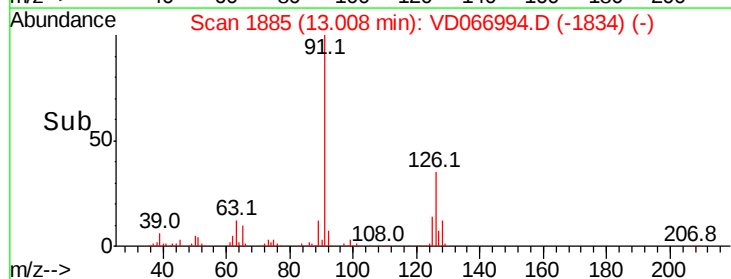
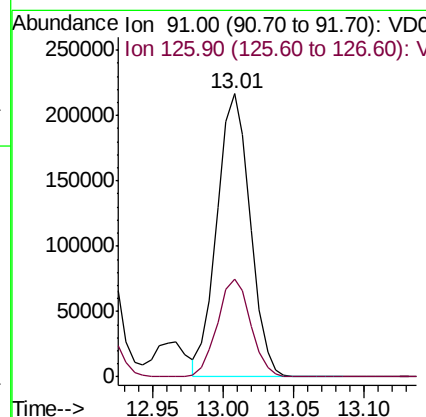
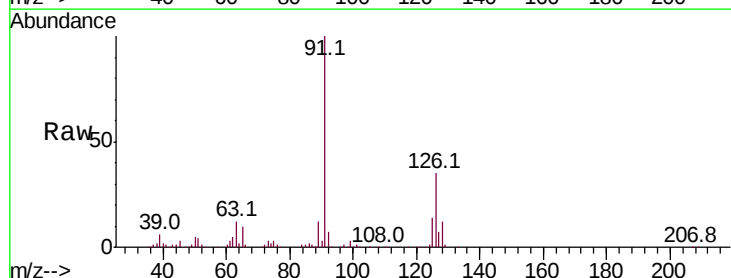
Delta R.T. -0.00 min

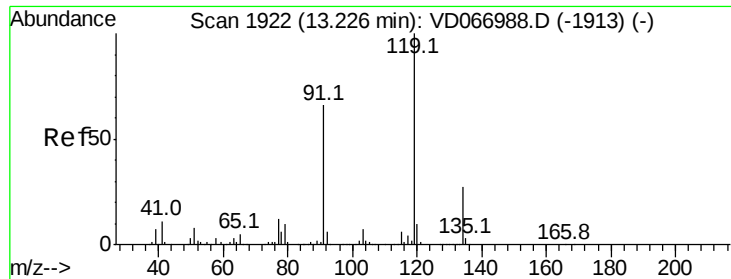
Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Tgt Ion: 91 Resp: 353473

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.5	52.5





#83

tert-Butylbenzene

Concen: 20.273 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

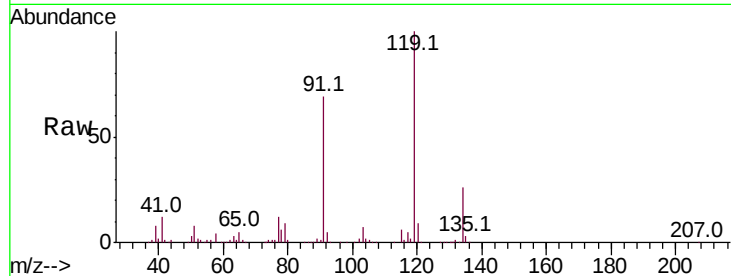
Tot Ion:119 Resp: 333478

Ion Ratio Lower Upper

119 100

91 67.0 32.8 98.3

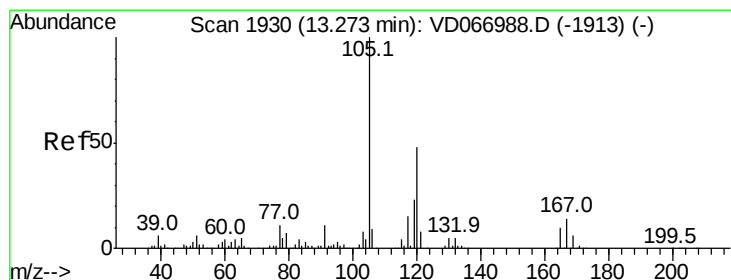
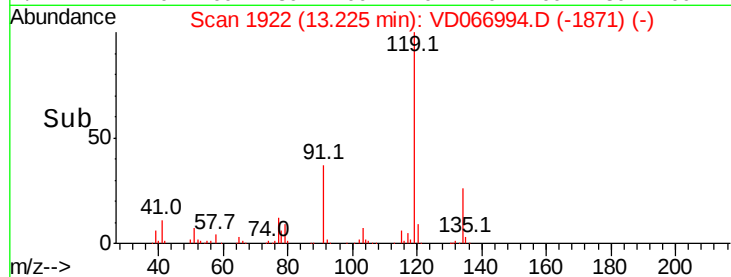
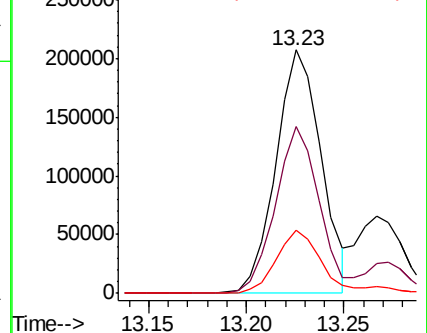
134 27.3 13.9 41.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.278 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066994.D

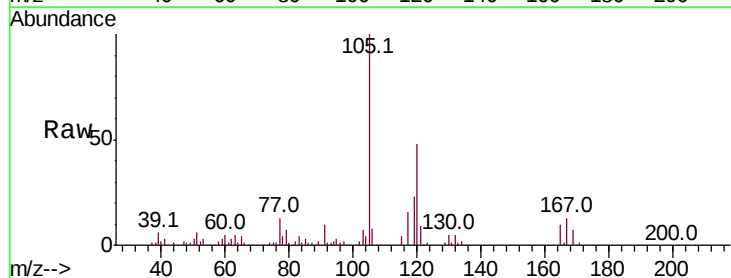
Acq: 01 Oct 2020 15:57

Tgt Ion:105 Resp: 414806

Ion Ratio Lower Upper

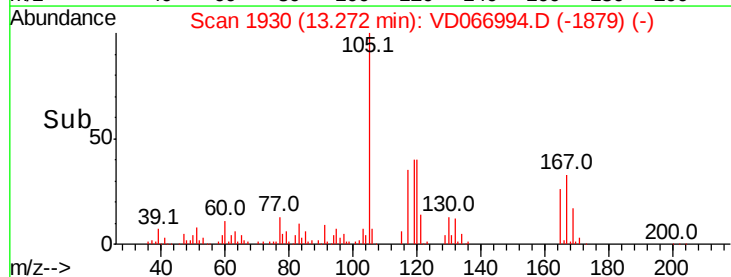
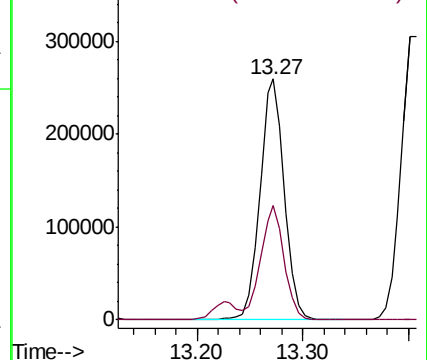
105 100

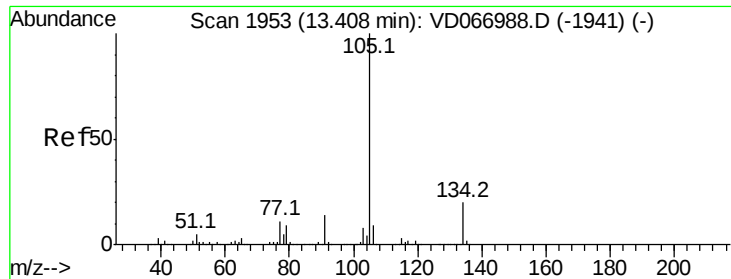
120 45.6 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.151 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

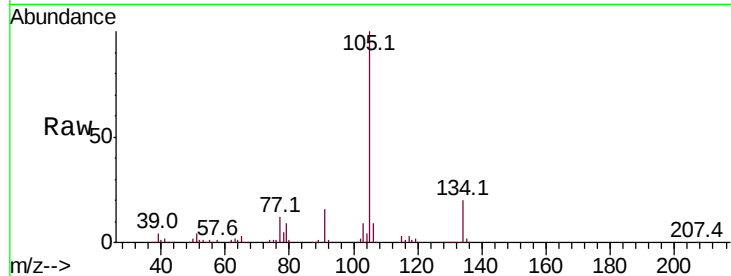
VD1001SBSD01

Tot Ion:105 Resp: 489979

Ion Ratio Lower Upper

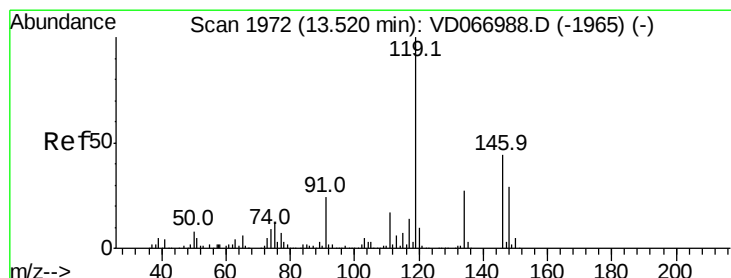
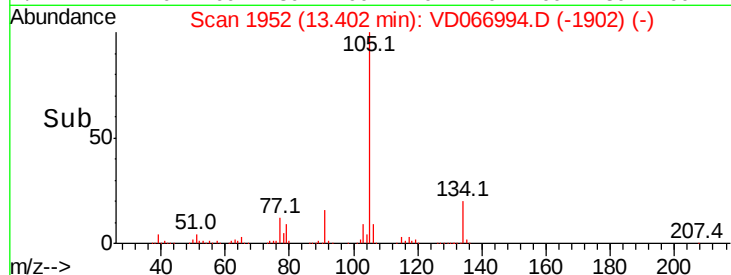
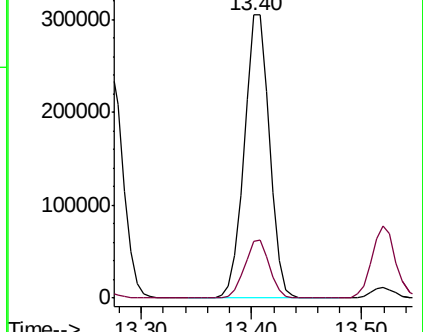
105 100

134 20.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.152 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

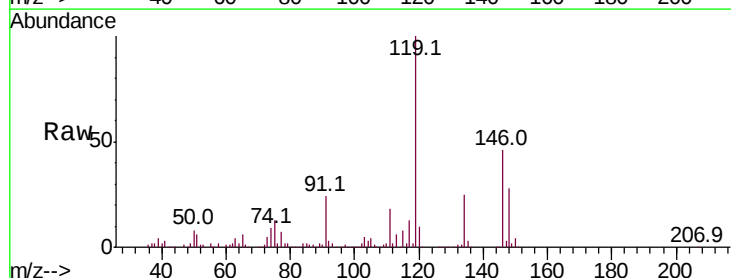
Tgt Ion:119 Resp: 454284

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.1

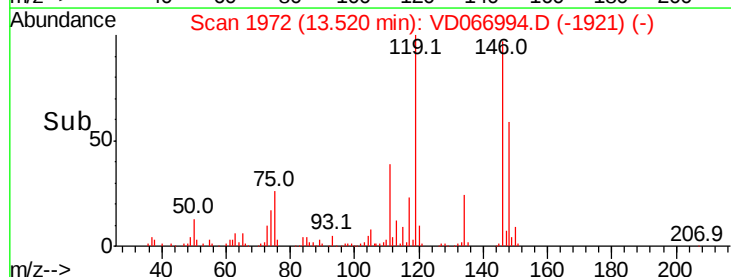
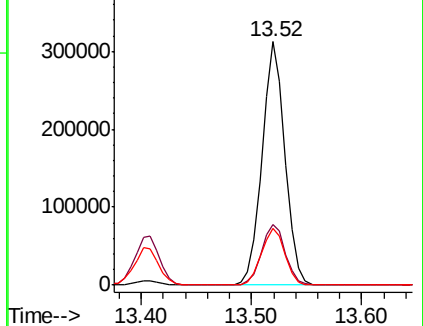
91 24.1 11.7 35.1

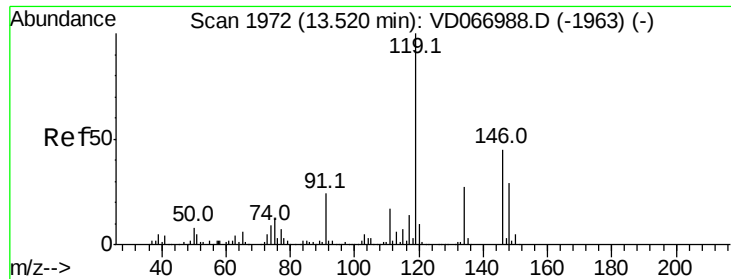


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

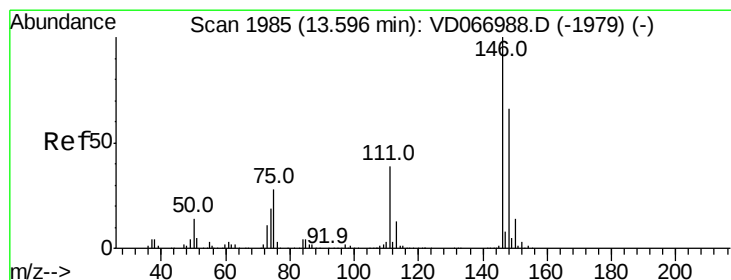
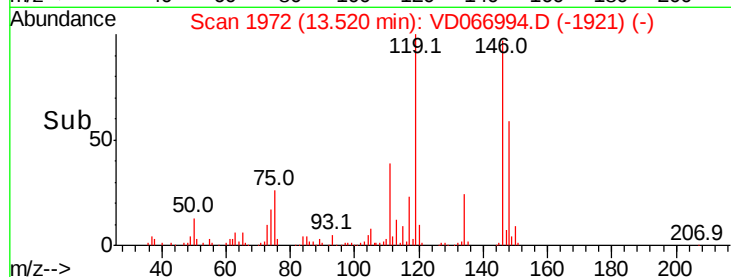
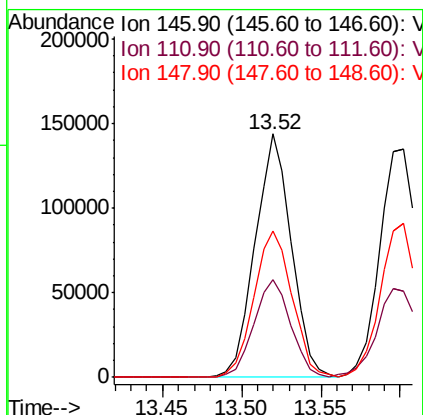
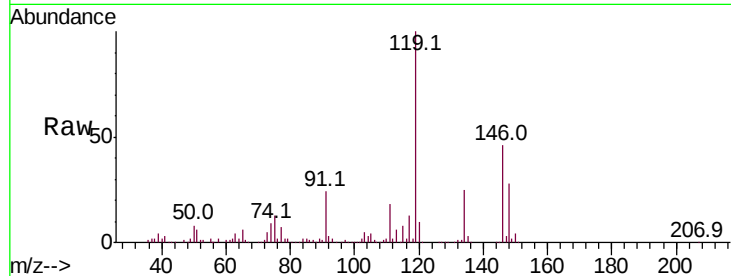




#87
 1,3-Dichlorobenzene
 Concen: 21.041 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

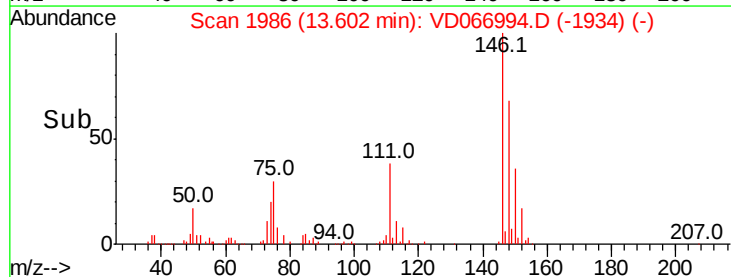
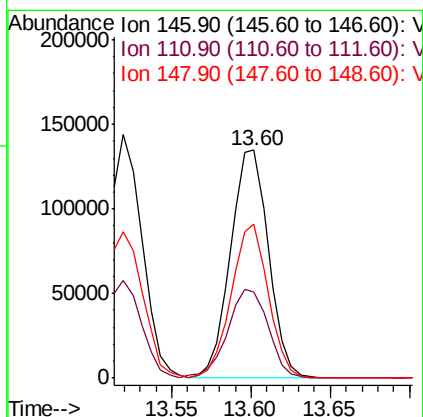
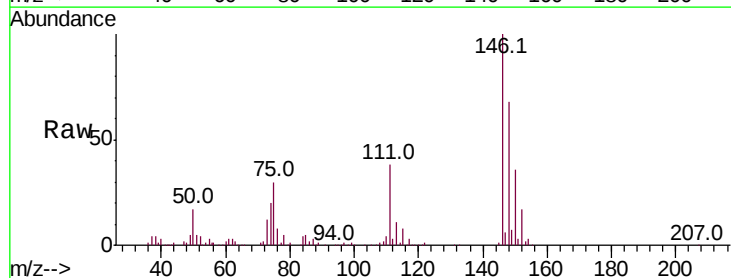
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBSD01

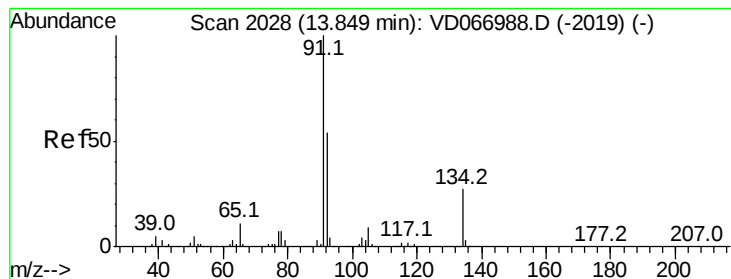
Tot Ion:146 Resp: 228811
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.0 60.0
 148 63.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.706 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion:146 Resp: 225143
 Ion Ratio Lower Upper
 146 100
 111 41.7 19.6 58.7
 148 65.7 32.6 97.7





#89

n-Butylbenzene

Concen: 20.428 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

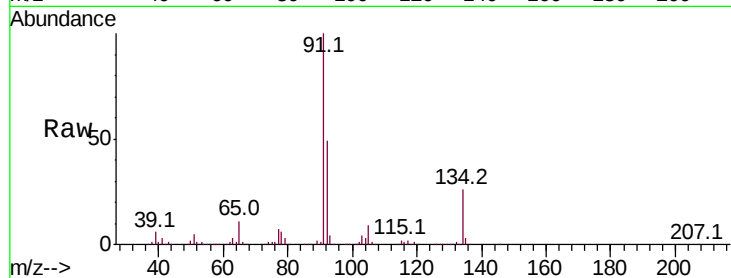
Tot Ion: 91 Resp: 400953

Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.1	81.2
134	27.1	13.6	40.8

91 100

92 52.4 27.1 81.2

134 27.1 13.6 40.8

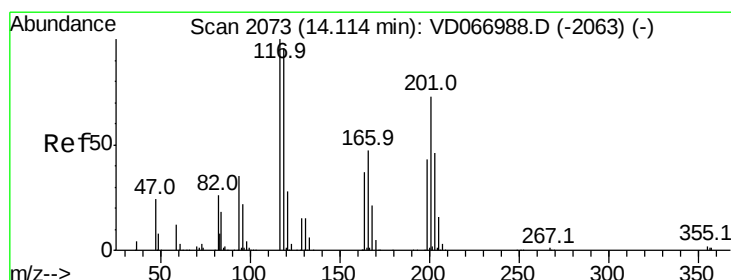
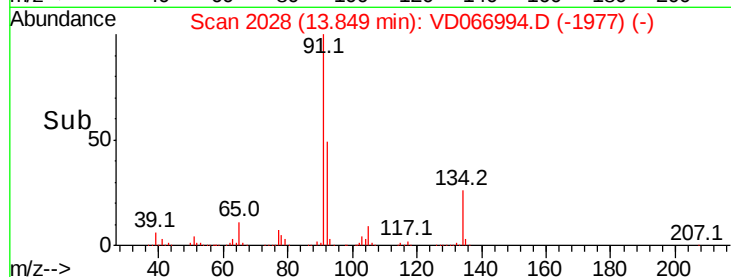
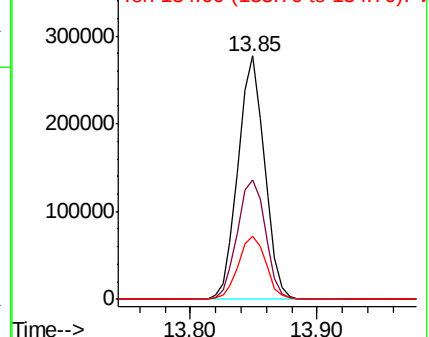


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 19.718 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD066994.D

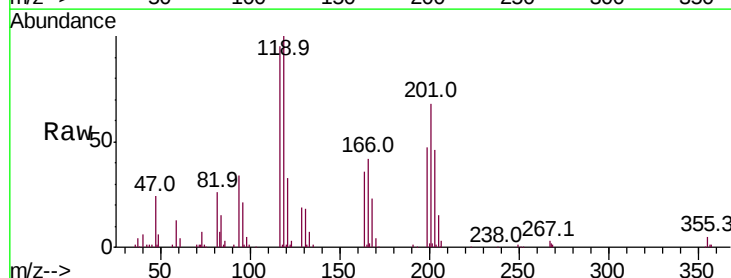
Acq: 01 Oct 2020 15:57

Tgt Ion: 117 Resp: 74178

Ion	Ratio	Lower	Upper
117	100		
201	74.1	37.0	110.9

117 100

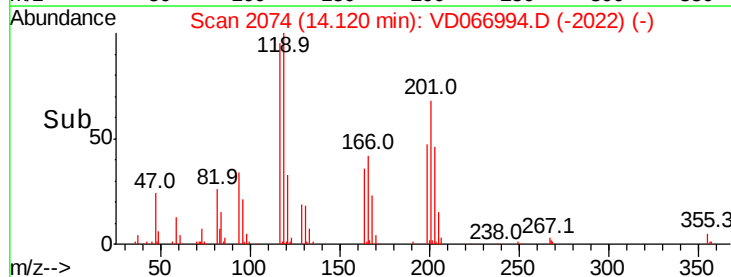
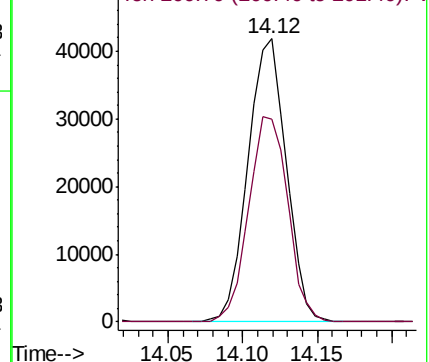
201 74.1 37.0 110.9

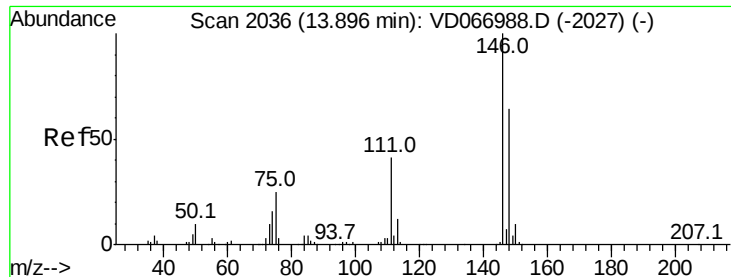


Abundance

Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC





#91

1,2-Dichlorobenzene

Concen: 20.705 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

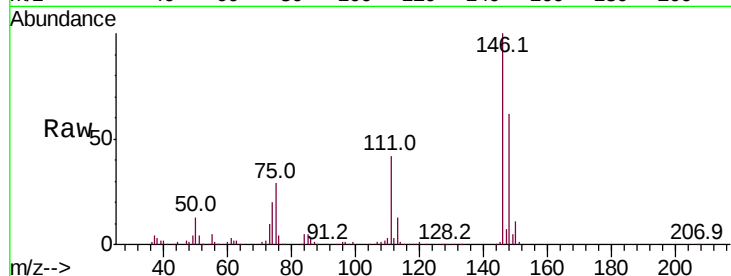
Tot Ion:146 Resp: 196633

Ion Ratio Lower Upper

146 100

111 42.5 20.9 62.7

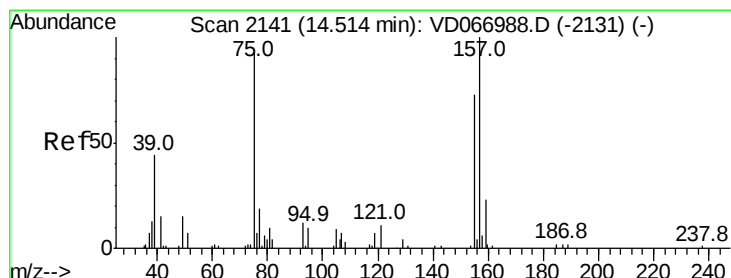
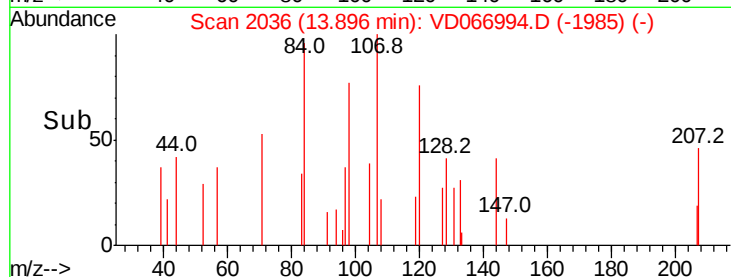
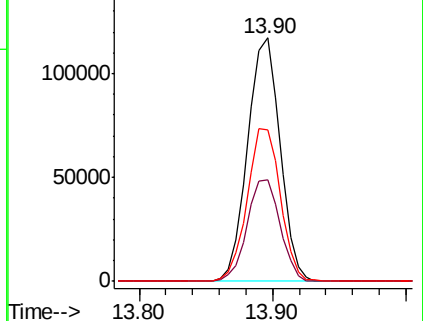
148 64.1 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.583 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

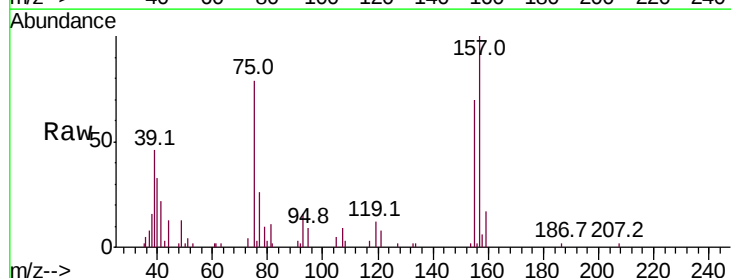
Tgt Ion: 75 Resp: 12925

Ion Ratio Lower Upper

75 100

155 88.8 45.2 135.6

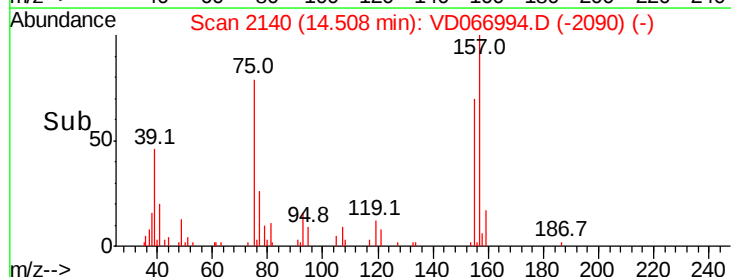
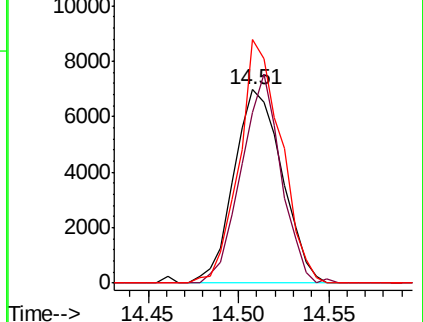
157 109.5 56.3 168.8

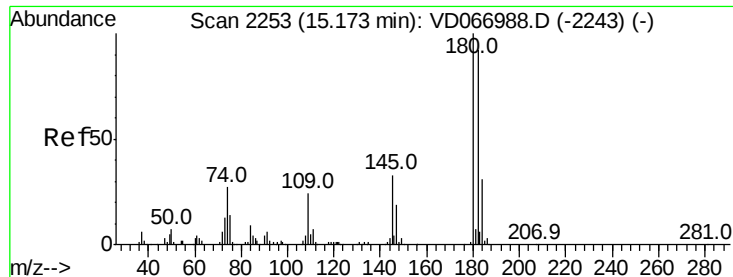


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

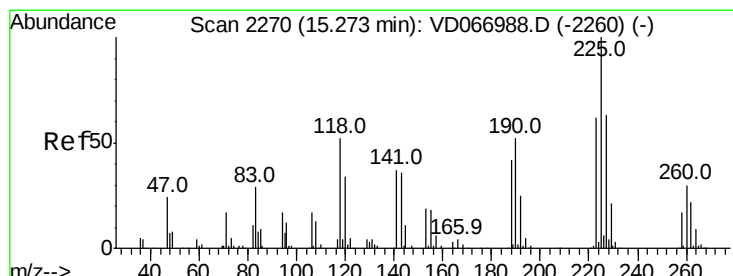
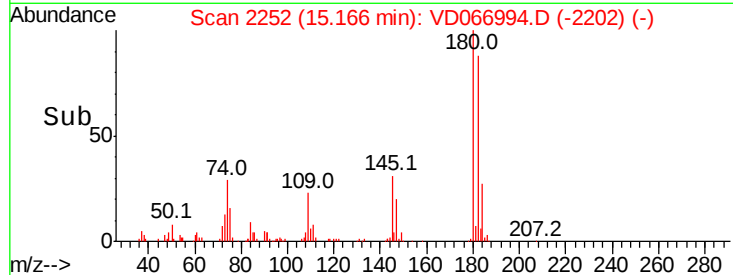
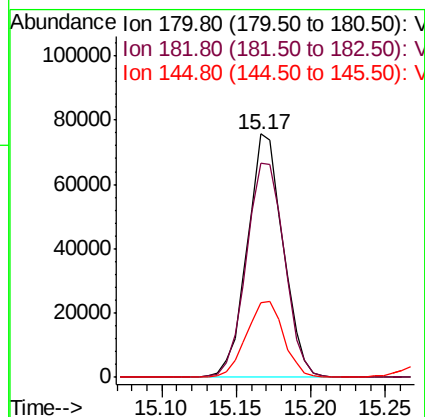
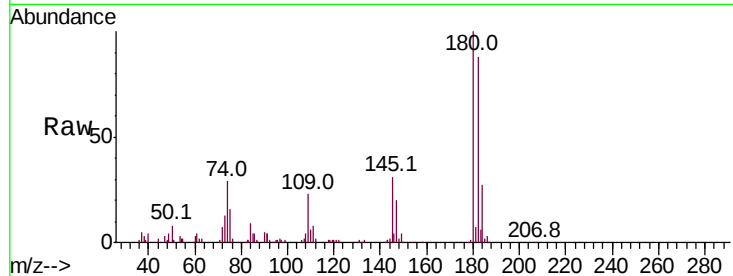




#93
 1,2,4-Trichlorobenzene
 Concen: 20.410 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

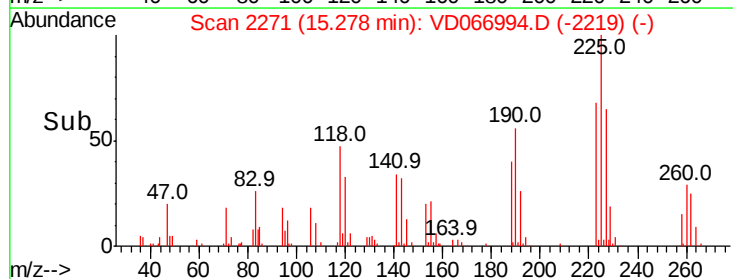
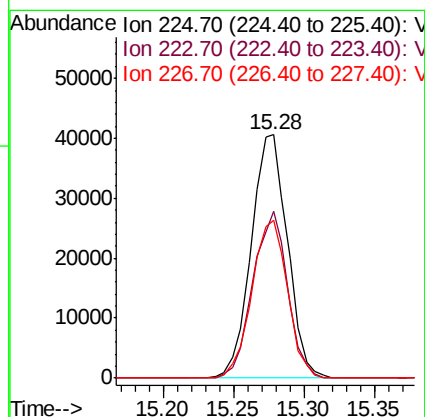
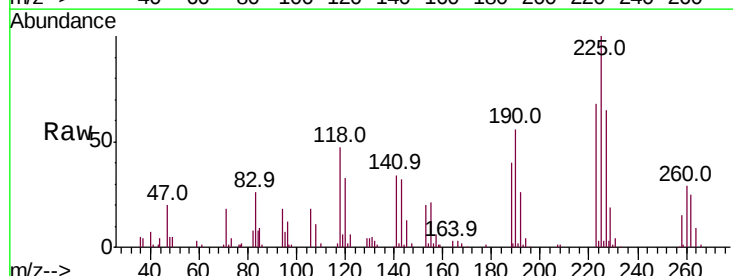
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBSD01

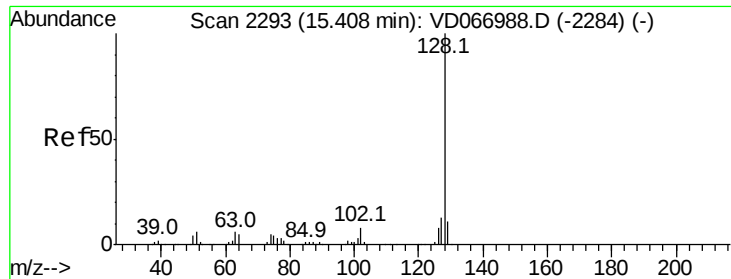
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.3	142.0
145	32.7	16.4	49.1



#94
 Hexachlorobutadiene
 Concen: 19.401 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	32.4	97.0
227	63.8	31.6	95.0

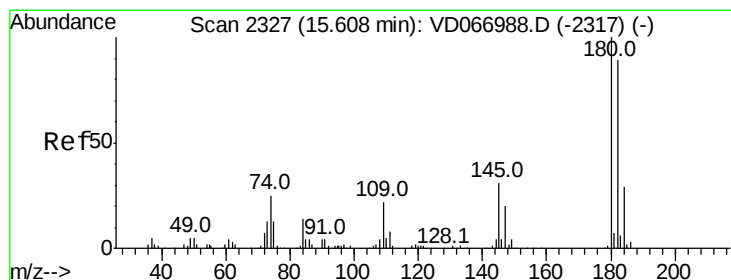
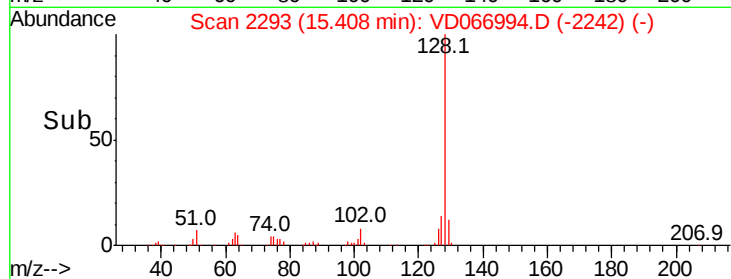
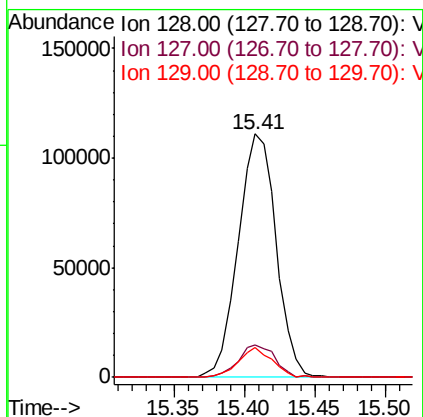
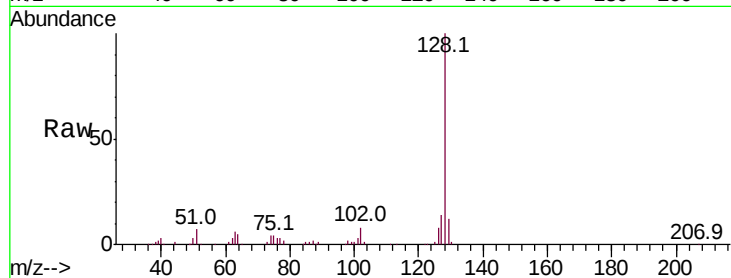




#95
Naphthalene
Concen: 20.373 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

Tot Ion:128 Resp: 208749
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.967 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion:180 Resp: 111808
Ion Ratio Lower Upper
180 100
182 92.3 46.4 139.1
145 32.7 16.6 49.7

