

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066521.D
 Acq On : 02 Sep 2020 14:32
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Quant Time: Sep 03 03:41:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	181622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	248106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	224951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	118860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93788	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.91	113	75212	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.34	98	277136	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.63	95	98024	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71061	45.863	ug/l	92
3) Chloromethane	2.20	50	43462	46.660	ug/l	97
4) Vinyl Chloride	2.35	62	51775	45.580	ug/l	93
5) Bromomethane	2.77	94	43367	46.713	ug/l	96
6) Chloroethane	2.92	64	35404	46.328	ug/l	100
7) Trichlorofluoromethane	3.27	101	164841	47.607	ug/l	99
8) Diethyl Ether	3.71	74	31730	48.894	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	70420	48.836	ug/l	98
10) Methyl Iodide	4.30	142	75312	47.102	ug/l	98
11) Tert butyl alcohol	5.21	59	25034	230.863	ug/l	98
12) 1,1-Dichloroethene	4.06	96	68298	50.401	ug/l	84
13) Acrolein	3.92	56	13902	219.123	ug/l	89
14) Allyl chloride	4.71	41	75286	49.704	ug/l	100
15) Acrylonitrile	5.43	53	57640	247.678	ug/l	95
16) Acetone	4.16	43	69804	241.646	ug/l	98
17) Carbon Disulfide	4.41	76	190184	48.567	ug/l #	93
18) Methyl Acetate	4.71	43	22873	49.314	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	173151	48.972	ug/l	98
20) Methylene Chloride	4.97	84	72651	50.217	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	76561	49.395	ug/l	91
22) Diisopropyl ether	6.36	45	150139	49.457	ug/l	96
23) Vinyl Acetate	6.30	43	496520	254.403	ug/l	100
24) 1,1-Dichloroethane	6.26	63	112193	47.055	ug/l	97
25) 2-Butanone	7.21	43	72216	241.536	ug/l	100
26) 2,2-Dichloropropane	7.21	77	146043	48.341	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	82223	48.917	ug/l	97
28) Bromochloromethane	7.54	49	37558	54.448	ug/l	96
29) Tetrahydrofuran	7.56	42	36700	238.780	ug/l	96
30) Chloroform	7.71	83	151075	49.071	ug/l	96
31) Cyclohexane	7.98	56	91604	50.111	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	166397	48.530	ug/l	100
36) 1,1-Dichloropropene	8.11	75	105414	48.469	ug/l	97
37) Ethyl Acetate	7.28	43	31637	48.460	ug/l	99
38) Carbon Tetrachloride	8.09	117	164594	49.678	ug/l	92

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	123976	48.791	ug/l	98
40) Benzene	8.34	78	270706	48.251	ug/l	95
41) Methacrylonitrile	7.52	41	15586	45.886	ug/l #	99
42) 1,2-Dichloroethane	8.42	62	114399	48.199	ug/l	99
43) Isopropyl Acetate	8.45	43	66371	48.532	ug/l	98
44) Trichloroethene	9.11	130	94152	48.621	ug/l	94
45) 1,2-Dichloropropane	9.38	63	53817	48.346	ug/l	100
46) Dibromomethane	9.47	93	40033	49.122	ug/l	96
47) Bromodichloromethane	9.66	83	119309	49.257	ug/l	97
48) Methyl methacrylate	9.46	41	32345	46.410	ug/l	96
49) 1,4-Dioxane	9.46	88	8764	929.048	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	156584	249.002	ug/l	99
52) Toluene	10.40	92	198309	49.693	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	109265	49.375	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	112345	48.188	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	52287	50.774	ug/l	94
56) Ethyl methacrylate	10.66	69	58714	48.447	ug/l	96
57) 1,3-Dichloropropane	10.94	76	85124	50.054	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	113323	239.540	ug/l	98
59) 2-Hexanone	10.98	43	115375	254.036	ug/l	99
60) Dibromochloromethane	11.14	129	83523	49.048	ug/l	99
61) 1,2-Dibromoethane	11.24	107	50099	47.727	ug/l	100
64) Tetrachloroethene	10.87	164	87411	49.839	ug/l	98
65) Chlorobenzene	11.67	112	219021	49.488	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	91888	49.072	ug/l	98
67) Ethyl Benzene	11.74	91	384933	49.375	ug/l	97
68) m/p-Xylenes	11.86	106	299717	99.364	ug/l	99
69) o-Xylene	12.18	106	141211	49.422	ug/l	97
70) Styrene	12.20	104	241587	49.387	ug/l	98
71) Bromoform	12.36	173	50656	49.320	ug/l #	95
73) Isopropylbenzene	12.48	105	400451	50.420	ug/l	98
74) N-amyl acetate	12.29	43	59469	49.658	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	47260	50.356	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	77132	103.158	ug/l #	1
77) Bromobenzene	12.76	156	99170	49.204	ug/l	98
78) n-propylbenzene	12.82	91	433224	50.057	ug/l	97
79) 2-Chlorotoluene	12.91	91	248145	49.554	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	345584	50.048	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	17483	52.070	ug/l	99
82) 4-Chlorotoluene	13.01	91	265311	49.326	ug/l	98
83) tert-Butylbenzene	13.23	119	298134	49.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	344636	49.903	ug/l	98
85) sec-Butylbenzene	13.40	105	378513	49.333	ug/l	99
86) p-Isopropyltoluene	13.52	119	381579	49.757	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	184904	49.466	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	182690	48.311	ug/l	98
89) n-Butylbenzene	13.85	91	317441	49.418	ug/l	100
90) Hexachloroethane	14.11	117	68974	50.119	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	159245	48.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11572	46.623	ug/l	93

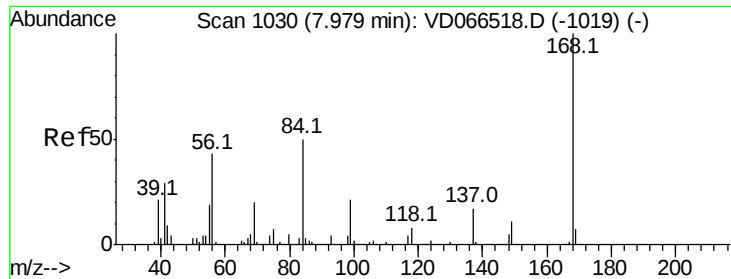
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	130289	50.770	ug/l	99
94) Hexachlorobutadiene	15.27	225	83489	50.186	ug/l	99
95) Naphthalene	15.41	128	202346	50.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	108962	49.138	ug/l	98

(#) = 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: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

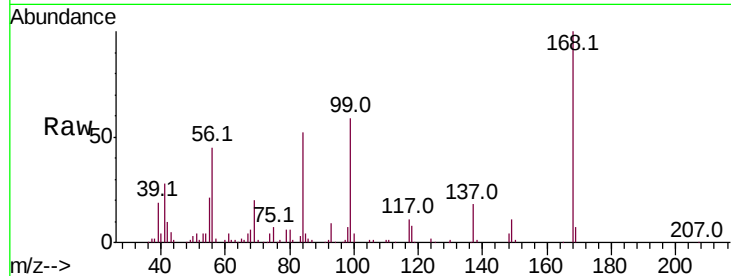
ICVVD090220

Tot Ion:168 Resp: 181622

Ion Ratio Lower Upper

168 100

99 59.1 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

40000

20000

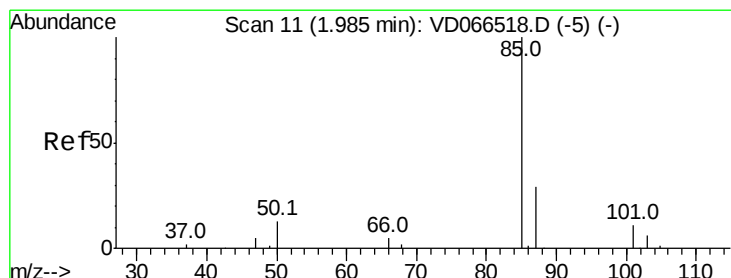
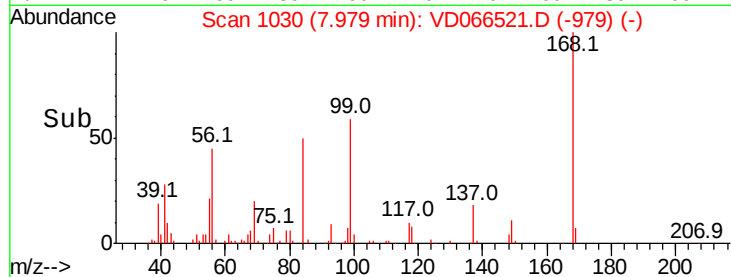
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 45.863 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066521.D

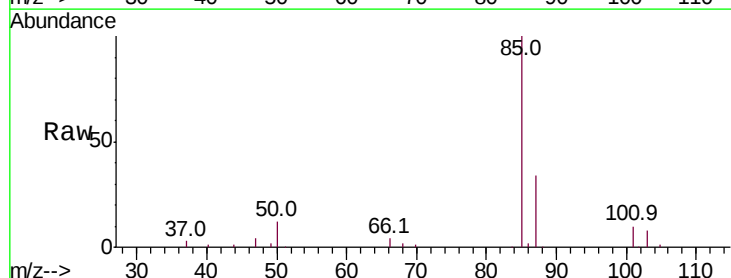
Acq: 02 Sep 2020 14:32

Tgt Ion: 85 Resp: 71061

Ion Ratio Lower Upper

85 100

87 33.6 14.6 44.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

20000

10000

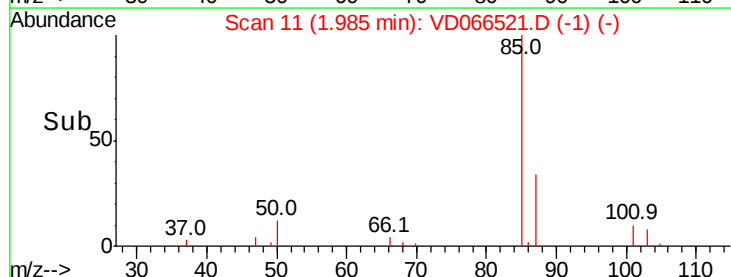
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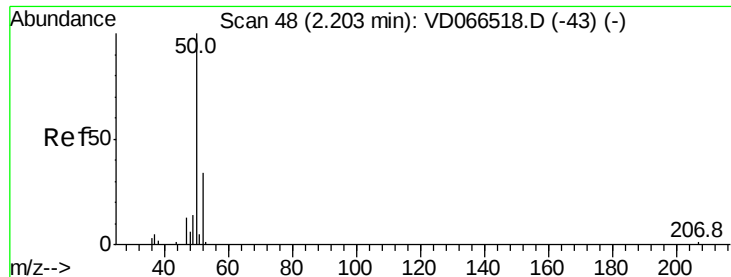
Time-->

1.95

2.00

2.05





#3

Chloromethane

Concen: 46.660 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

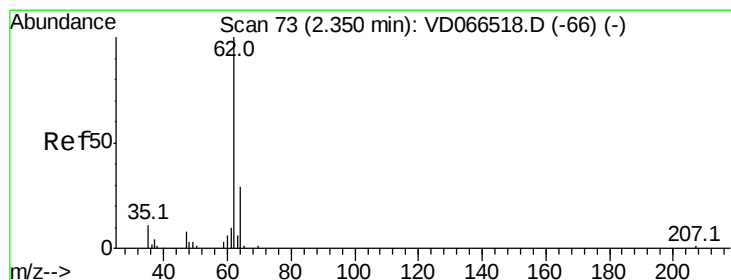
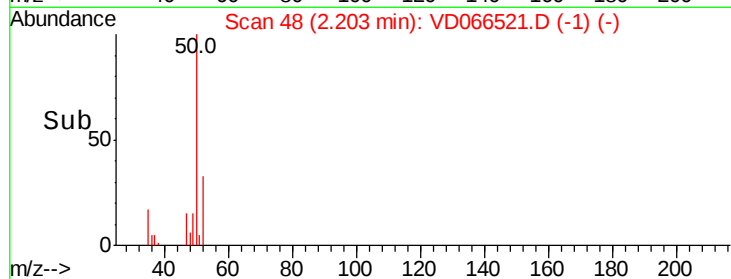
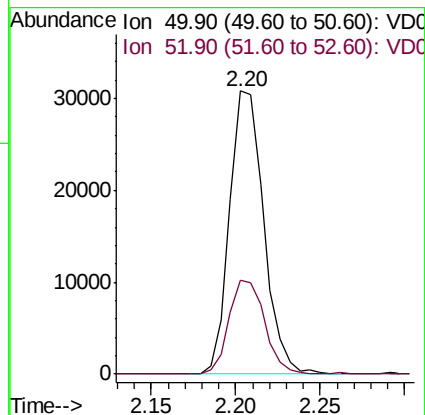
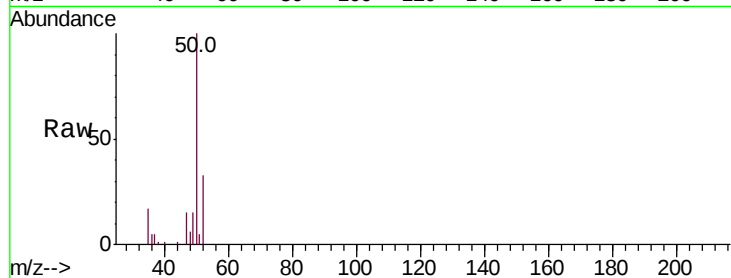
ICVVD090220

Tot Ion: 50 Resp: 43462

Ion Ratio Lower Upper

50 100

52 33.0 27.6 41.4



#4

Vinyl Chloride

Concen: 45.580 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066521.D

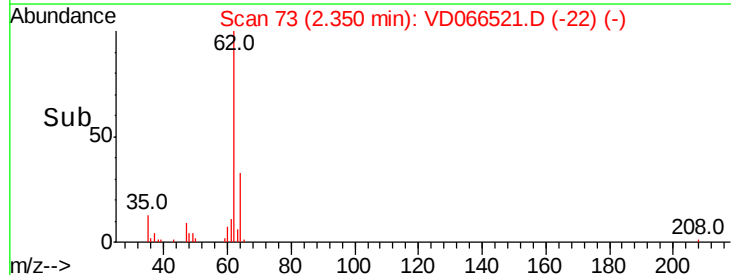
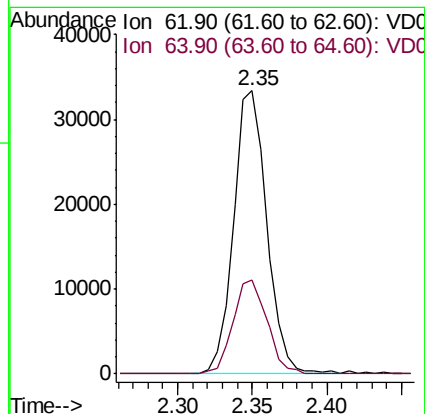
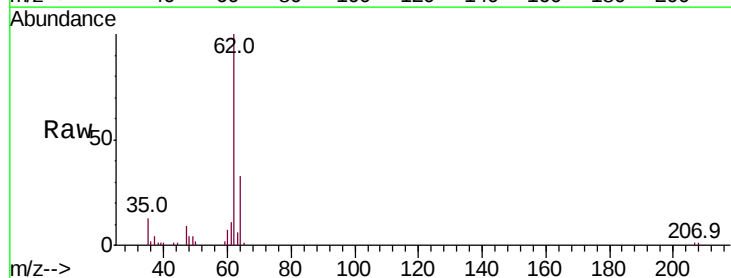
Acq: 02 Sep 2020 14:32

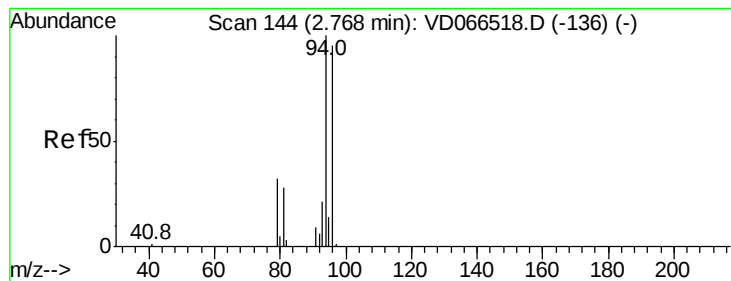
Tgt Ion: 62 Resp: 51775

Ion Ratio Lower Upper

62 100

64 33.3 23.4 35.2





#5

Bromomethane

Concen: 46.713 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

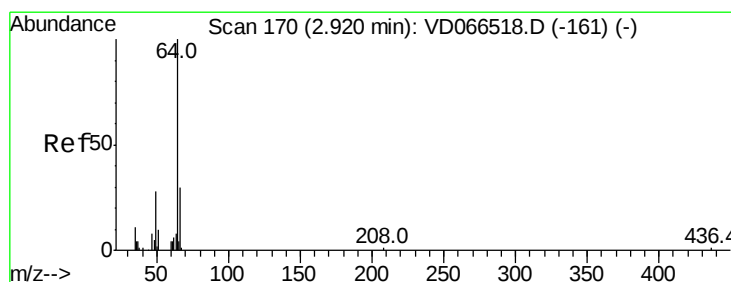
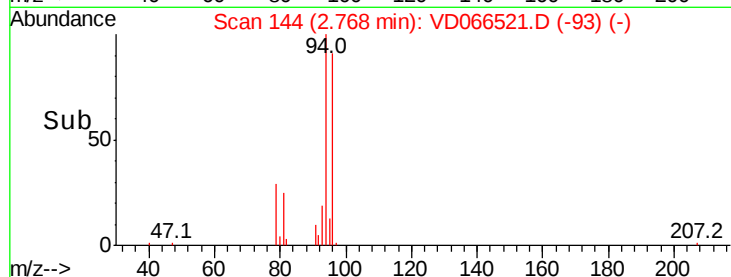
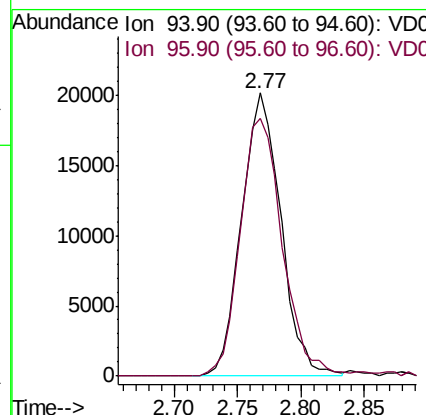
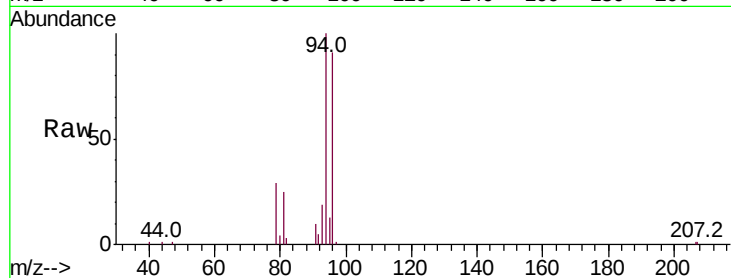
ICVVD090220

Tot Ion: 94 Resp: 43367

Ion Ratio Lower Upper

94 100

96 91.2 75.8 113.8



#6

Chloroethane

Concen: 46.328 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066521.D

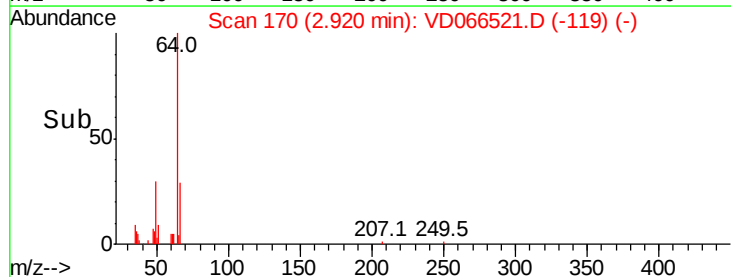
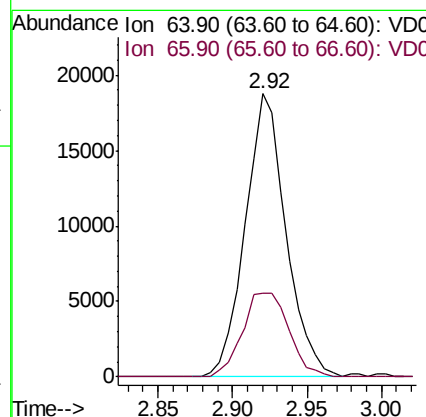
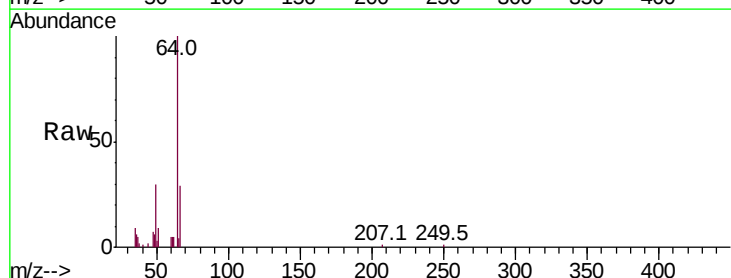
Acq: 02 Sep 2020 14:32

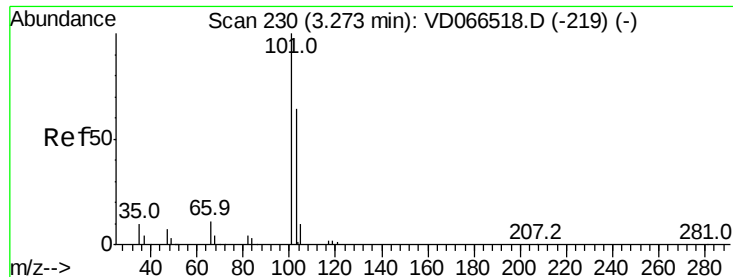
Tgt Ion: 64 Resp: 35404

Ion Ratio Lower Upper

64 100

66 29.4 23.7 35.5





#7

Trichlorofluoromethane

Concen: 47.607 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

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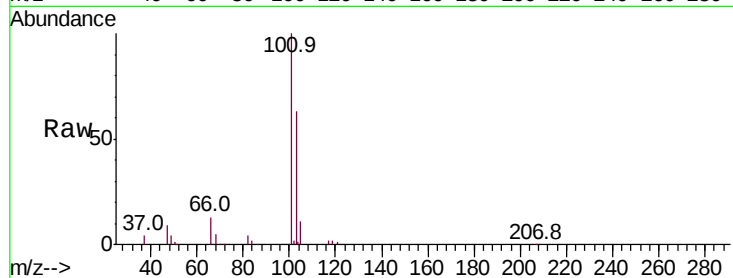
ICVVD090220

Tot Ion:101 Resp: 164841

Ion Ratio Lower Upper

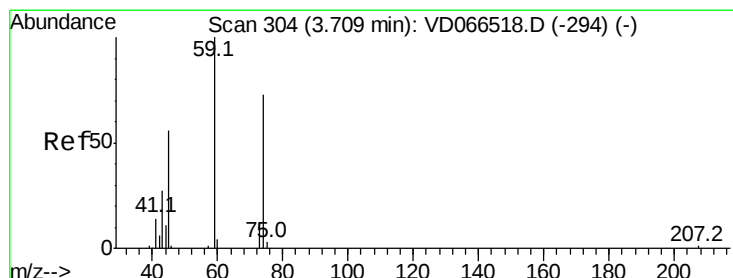
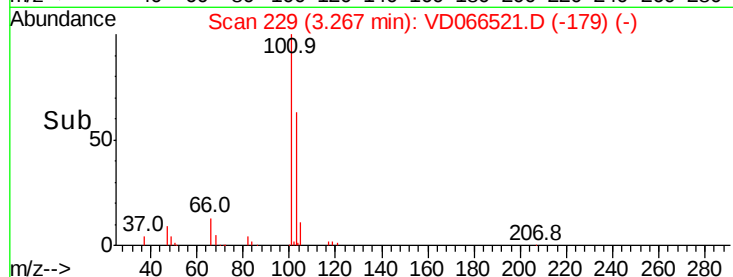
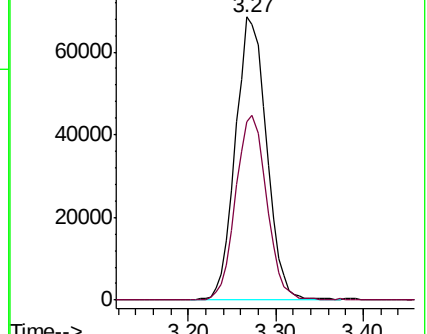
101 100

103 62.8 50.9 76.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.894 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066521.D

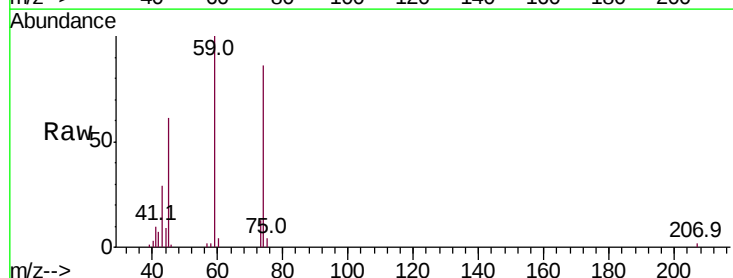
Acq: 02 Sep 2020 14:32

Tgt Ion: 74 Resp: 31730

Ion Ratio Lower Upper

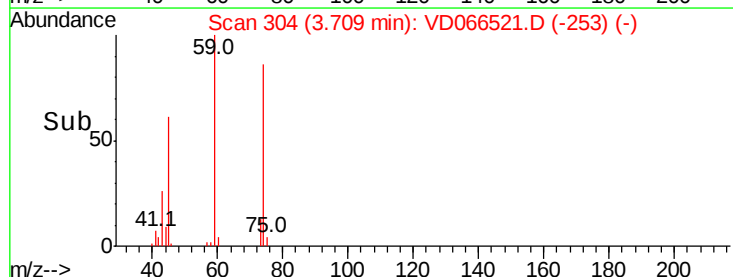
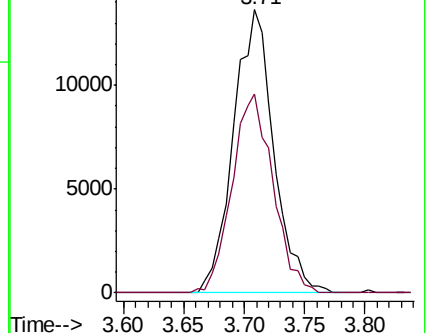
74 100

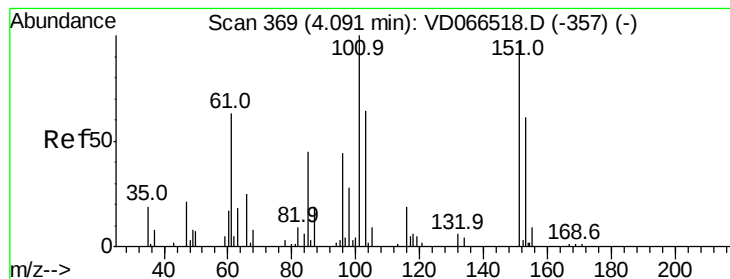
45 71.2 38.6 115.8



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: 48.836 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

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ICVVD090220

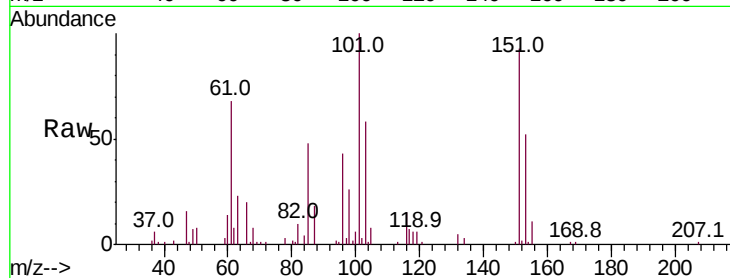
Tot Ion:101 Resp: 70420

Ion Ratio Lower Upper

101 100

85 47.5 39.4 59.0

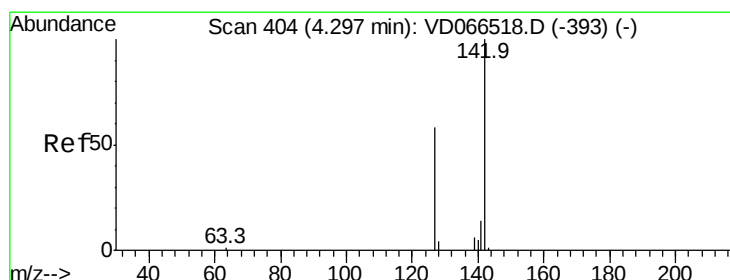
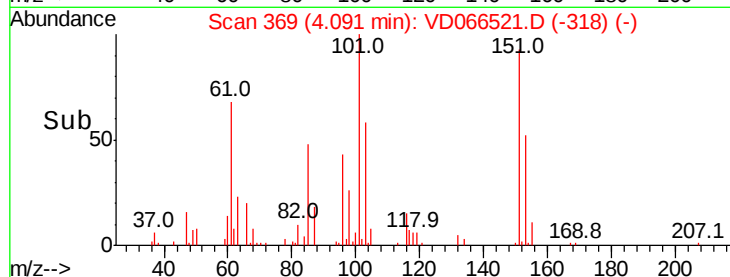
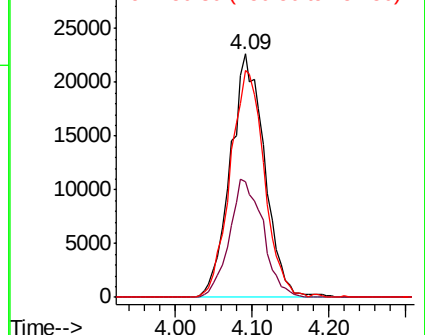
151 92.7 75.5 113.3



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: 47.102 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

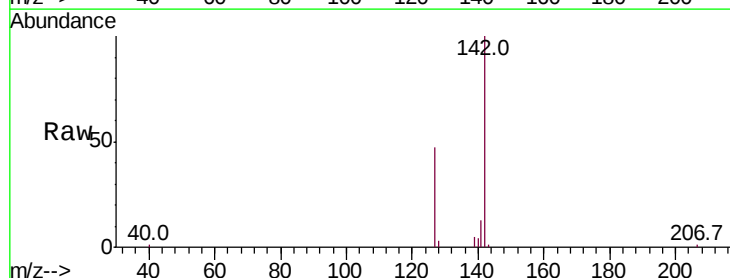
Tgt Ion:142 Resp: 75312

Ion Ratio Lower Upper

142 100

127 59.3 46.3 69.5

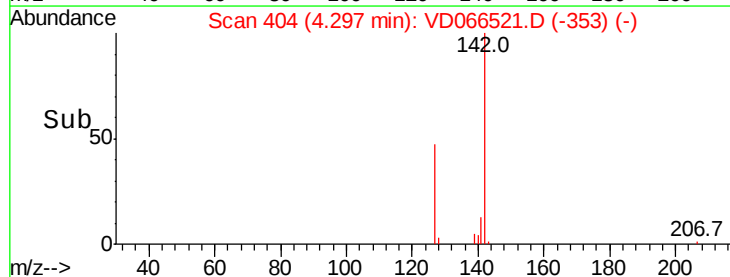
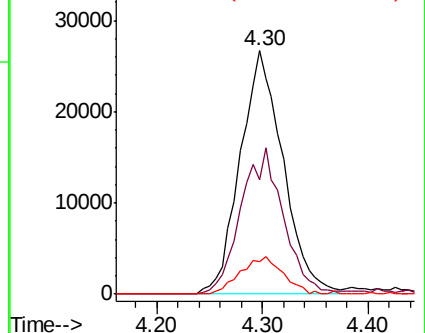
141 15.2 12.4 18.6

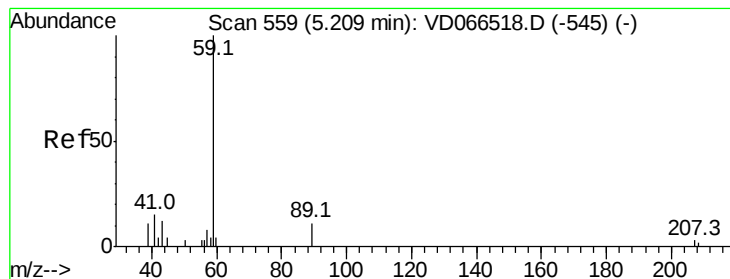


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 230.863 ug/l

RT: 5.21 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

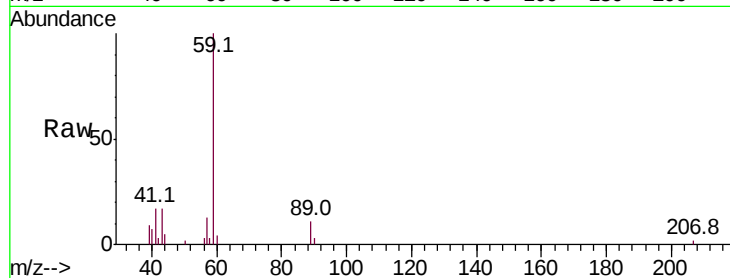
ICVVD090220

Tot Ion: 59 Resp: 25034

Ion Ratio Lower Upper

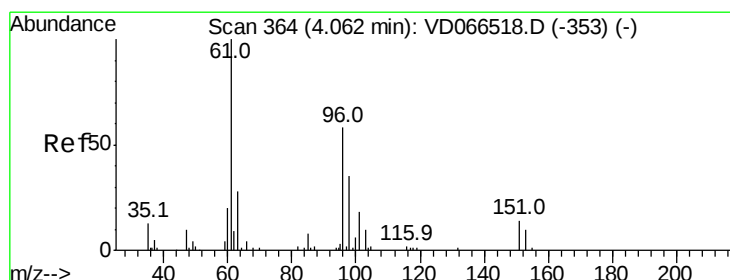
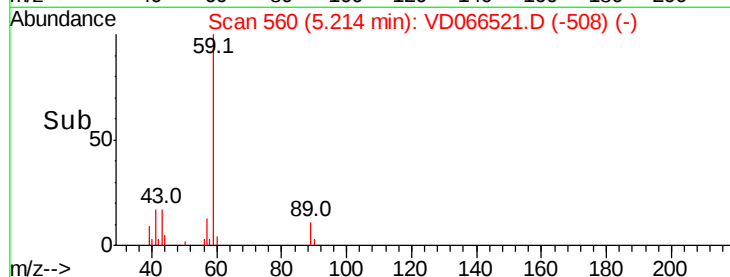
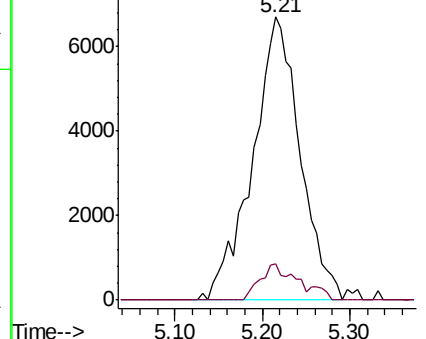
59 100

57 9.2 6.8 10.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 50.401 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

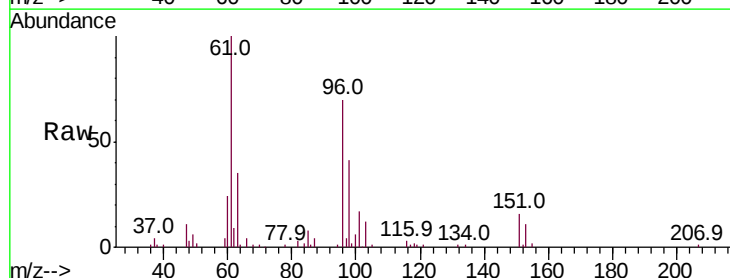
Tgt Ion: 96 Resp: 68298

Ion Ratio Lower Upper

96 100

61 143.7 137.5 206.3

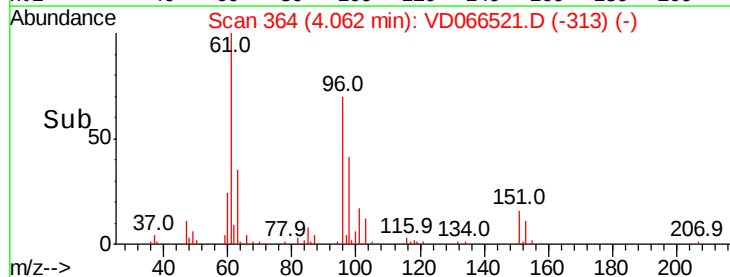
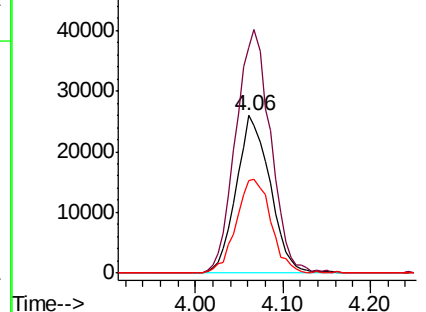
98 58.7 47.8 71.6

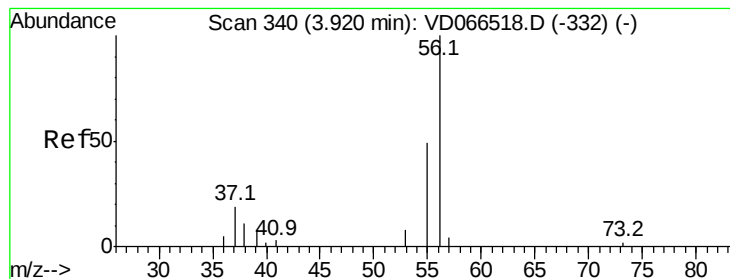


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 219.123 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

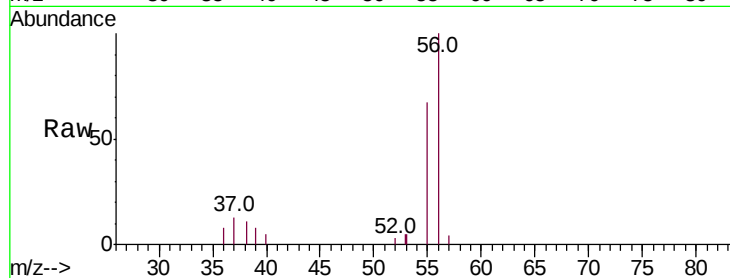
ICVVD090220

Tot Ion: 56 Resp: 13902

Ion Ratio Lower Upper

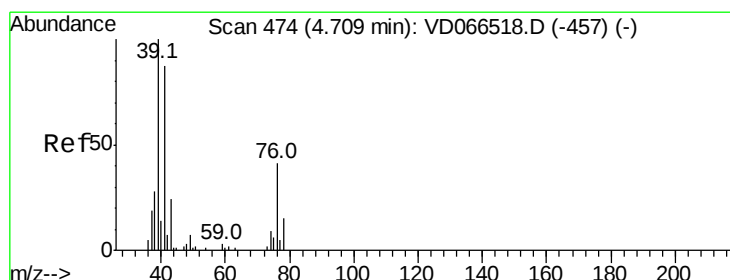
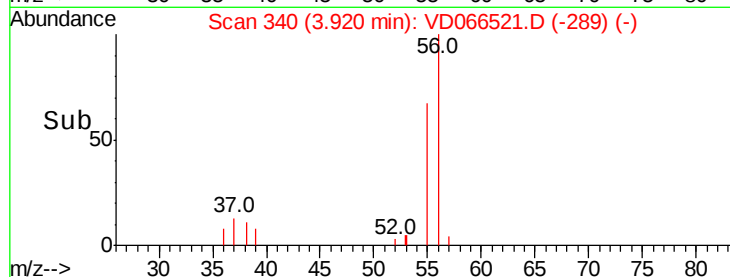
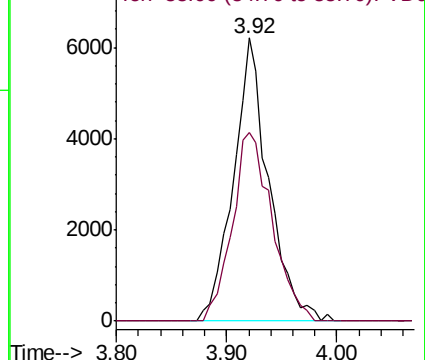
56 100

55 75.2 53.0 79.4



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.704 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

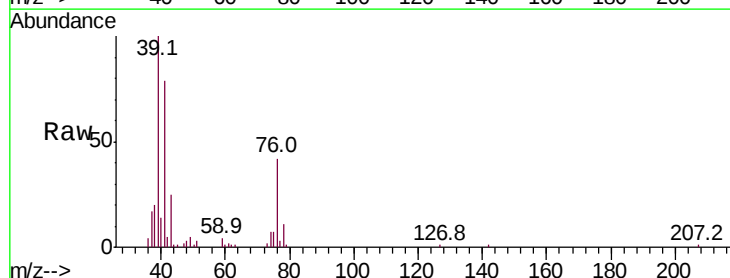
Tgt Ion: 41 Resp: 75286

Ion Ratio Lower Upper

41 100

39 117.5 93.8 140.8

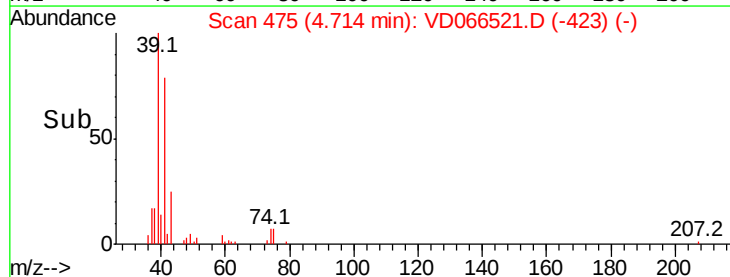
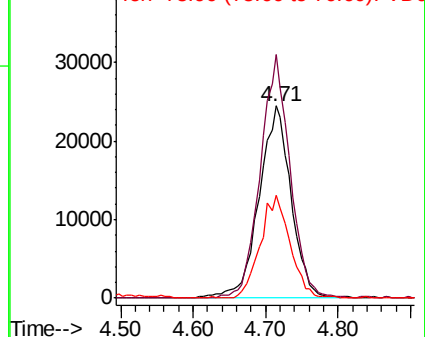
76 49.7 39.4 59.0

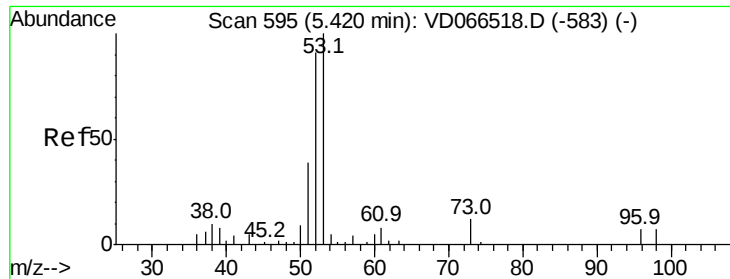


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 247.678 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

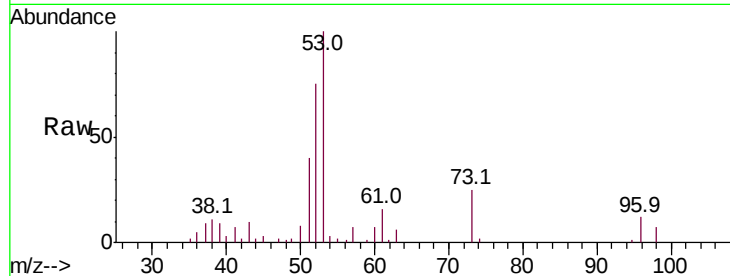
Tot Ion: 53 Resp: 57640

Ion Ratio Lower Upper

53 100

52 82.9 71.0 106.4

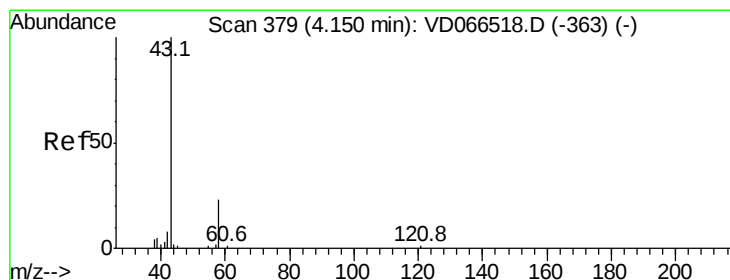
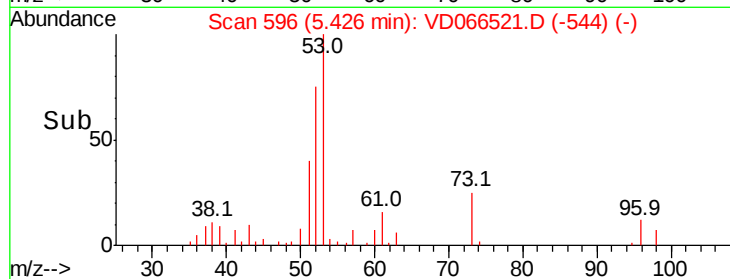
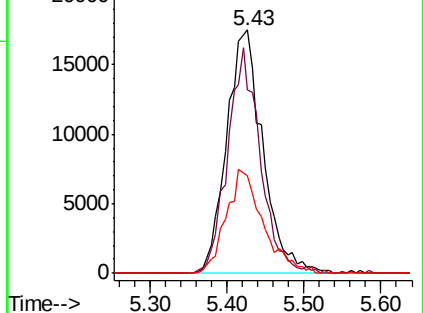
51 43.0 35.8 53.6



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: 241.646 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066521.D

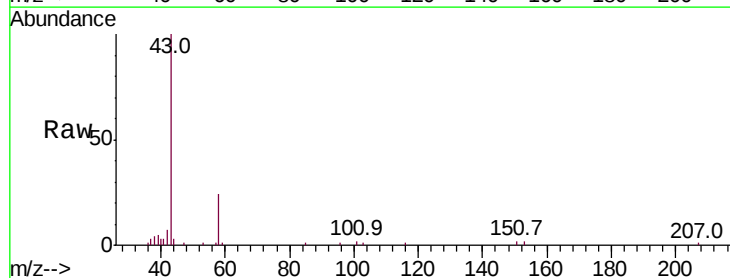
Acq: 02 Sep 2020 14:32

Tgt Ion: 43 Resp: 69804

Ion Ratio Lower Upper

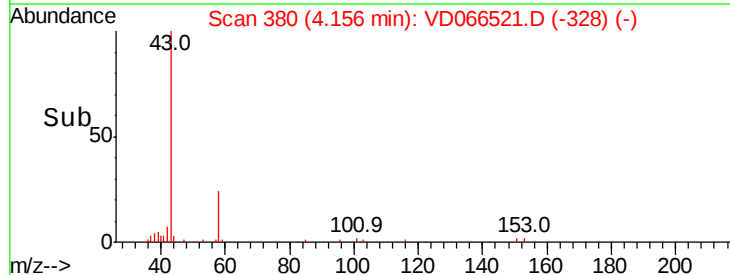
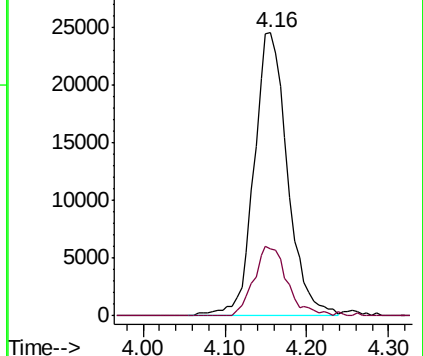
43 100

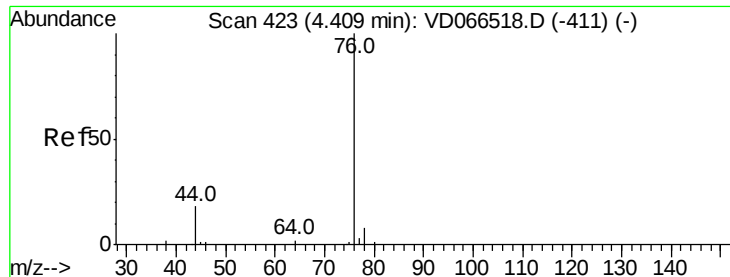
58 23.7 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

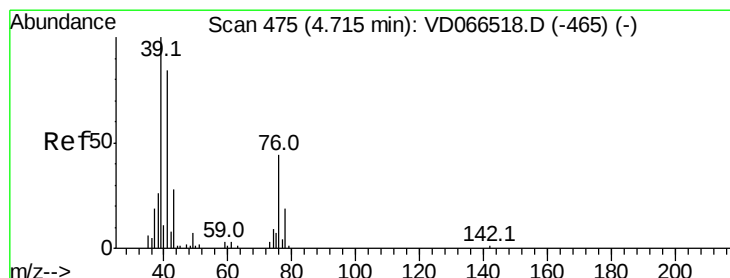
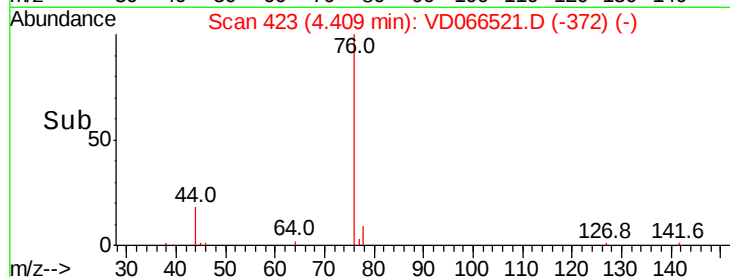
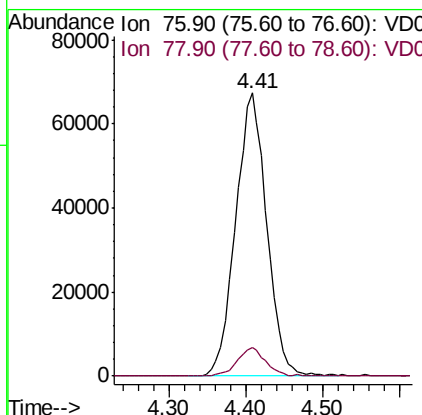
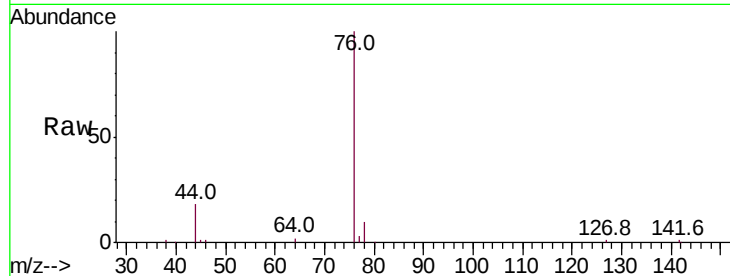




#17
Carbon Disulfide
Concen: 48.567 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

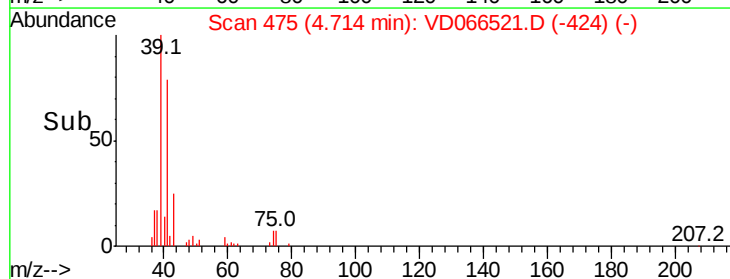
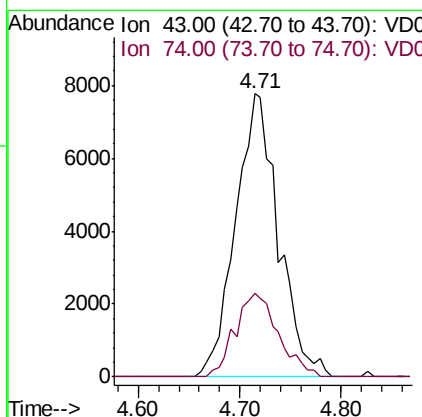
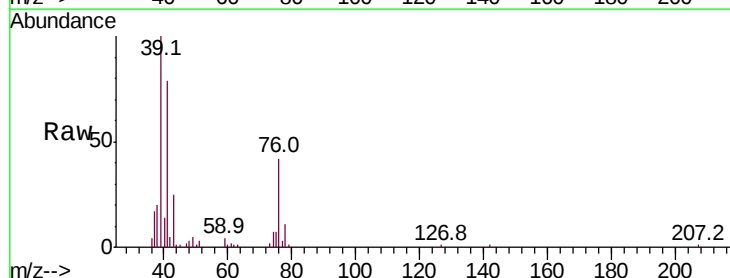
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

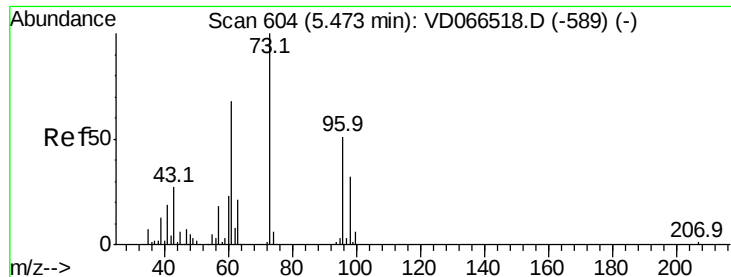
Tot Ion: 76 Resp: 190184
Ion Ratio Lower Upper
76 100
78 10.3 6.2 9.4#



#18
Methyl Acetate
Concen: 49.314 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 43 Resp: 22873
Ion Ratio Lower Upper
43 100
74 29.7 26.3 39.5



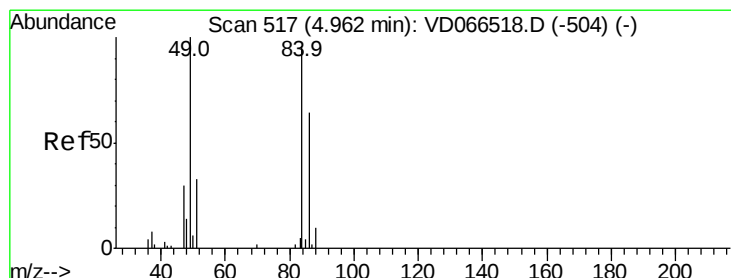
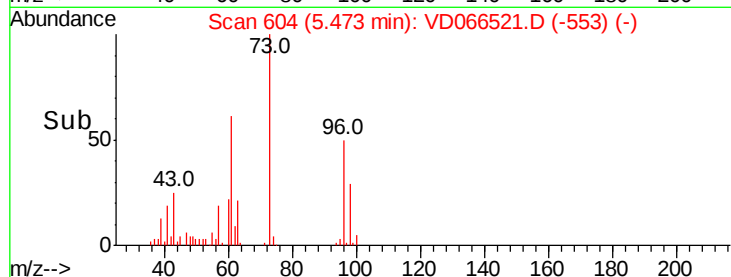
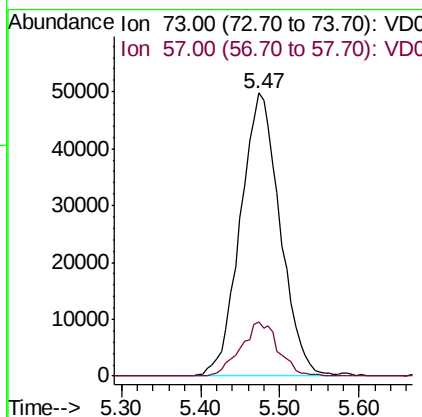
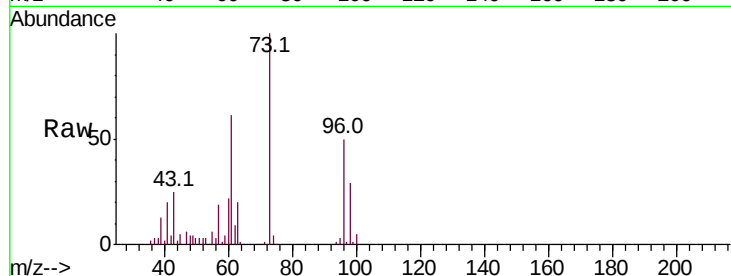


#19

Methyl tert-butyl Ether
 Concen: 48.972 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD090220

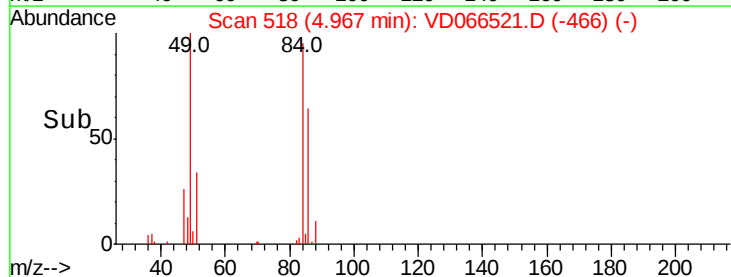
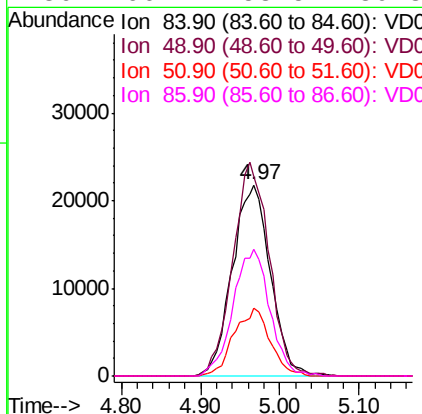
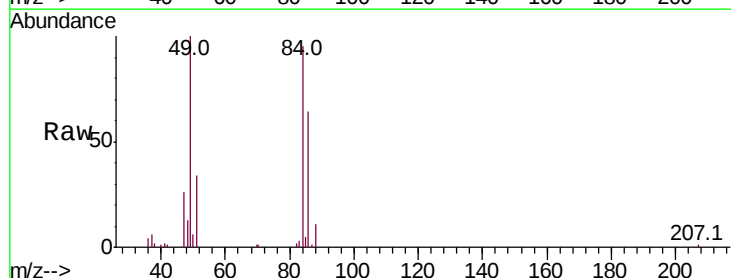
Tot Ion: 73 Resp: 173151
 Ion Ratio Lower Upper
 73 100
 57 19.1 14.6 22.0

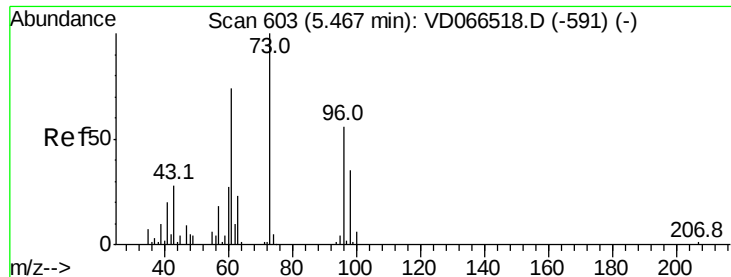


#20

Methylene Chloride
 Concen: 50.217 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion: 84 Resp: 72651
 Ion Ratio Lower Upper
 84 100
 49 104.9 83.5 125.3
 51 35.8 27.8 41.8
 86 66.7 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 49.395 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

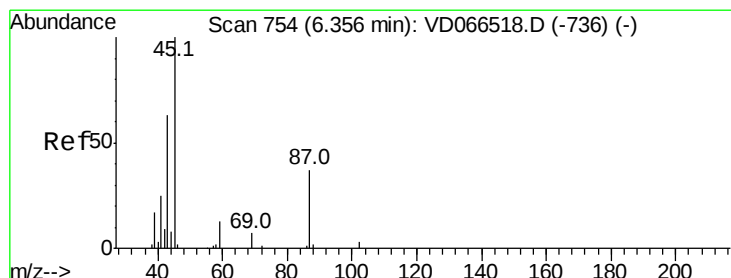
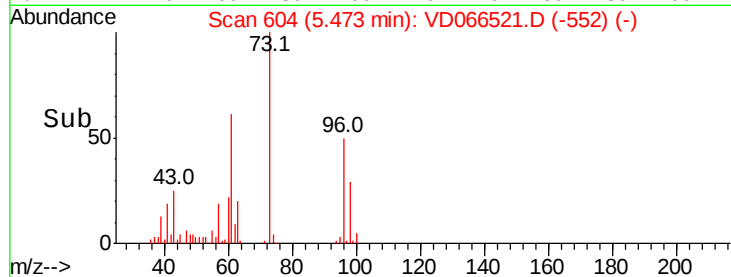
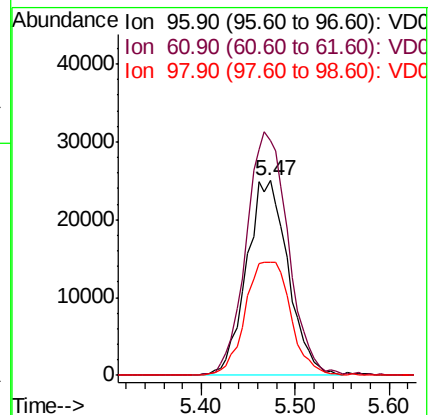
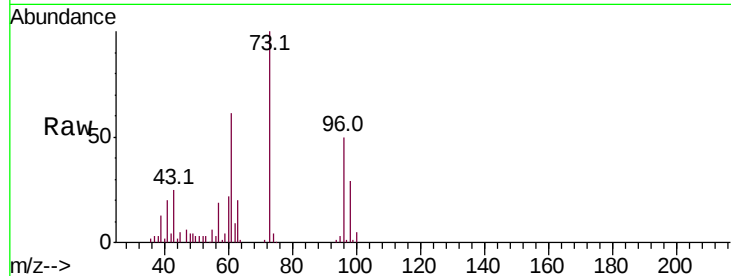
Tot Ion: 96 Resp: 76561

Ion Ratio Lower Upper

96 100

61 120.9 106.6 160.0

98 58.2 50.6 76.0



#22

Diisopropyl ether

Concen: 49.457 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion: 45 Resp: 150139

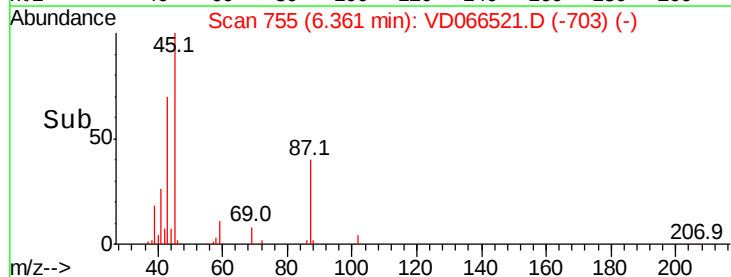
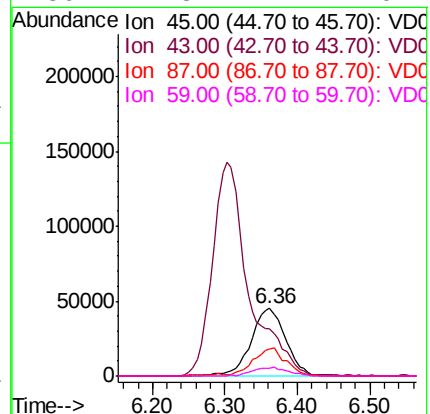
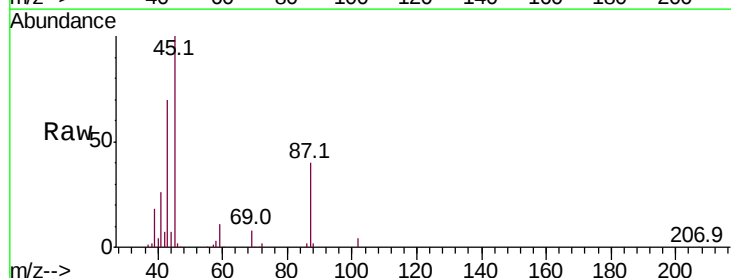
Ion Ratio Lower Upper

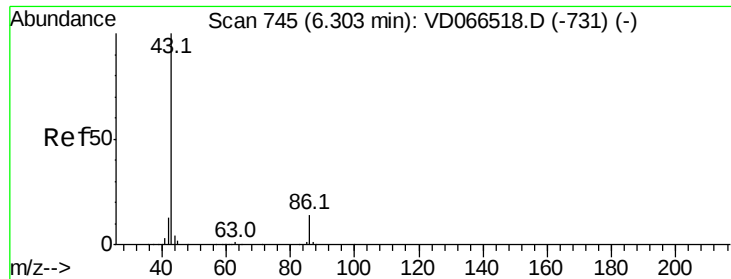
45 100

43 69.6 53.4 80.0

87 40.1 30.2 45.4

59 11.3 11.1 16.7





#23

Vinyl Acetate

Concen: 254.403 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

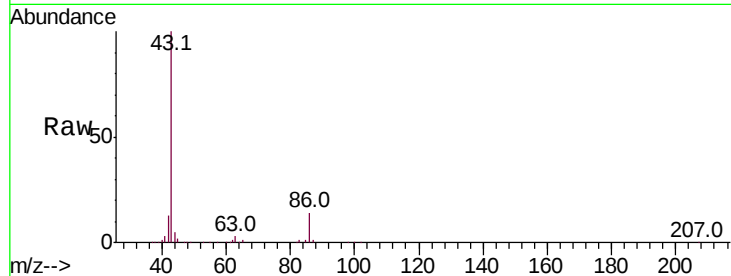
ICVVD090220

Tot Ion: 43 Resp: 496520

Ion Ratio Lower Upper

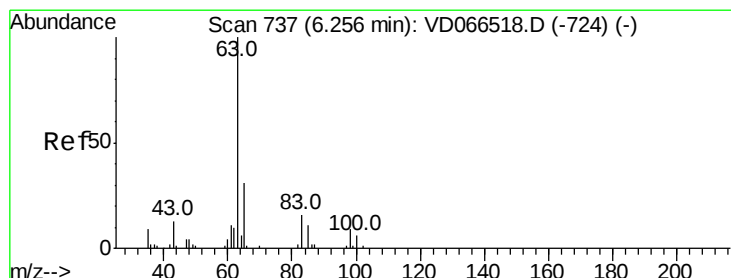
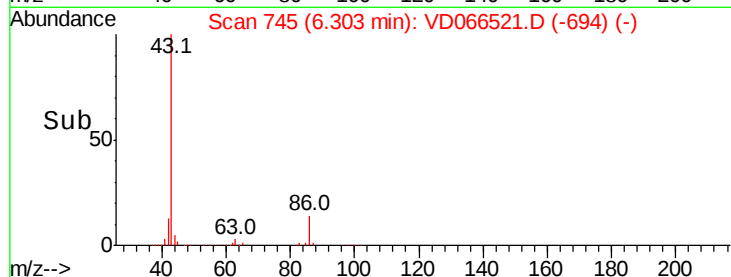
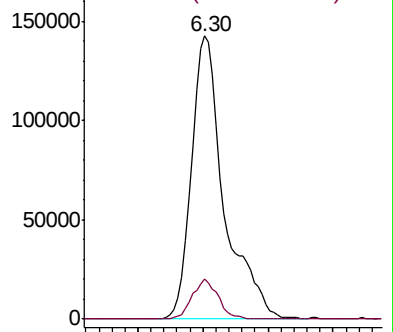
43 100

86 14.0 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.055 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

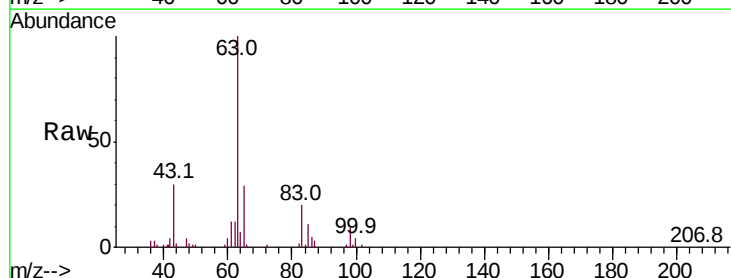
Tgt Ion: 63 Resp: 112193

Ion Ratio Lower Upper

63 100

98 9.4 4.3 13.1

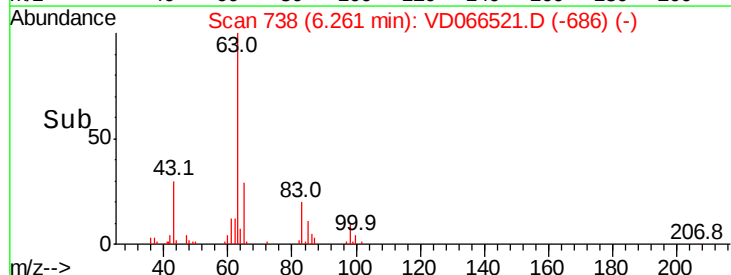
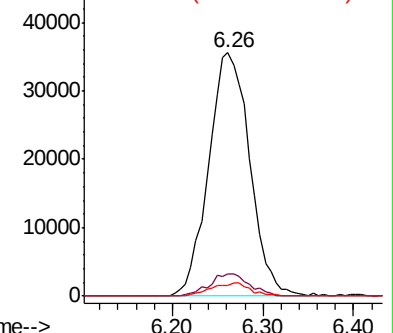
100 4.1 2.9 8.7

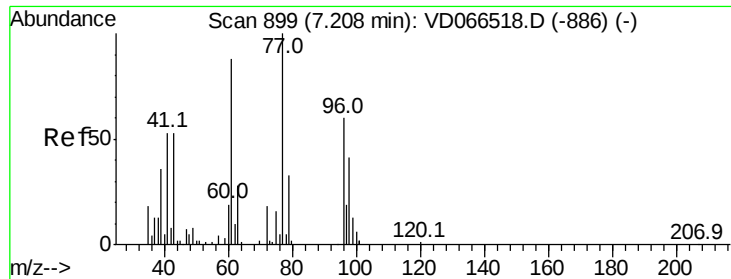


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 241.536 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

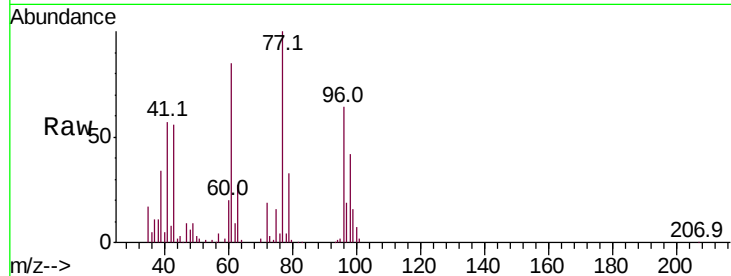
ICVVD090220

Tot Ion: 43 Resp: 72216

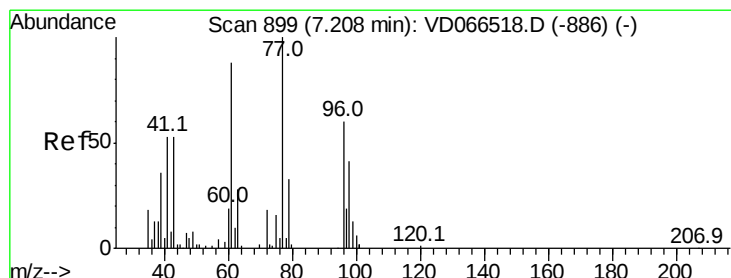
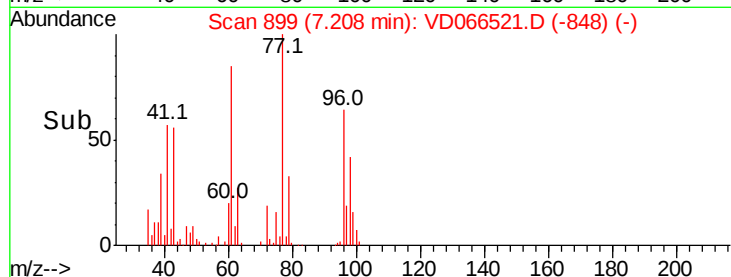
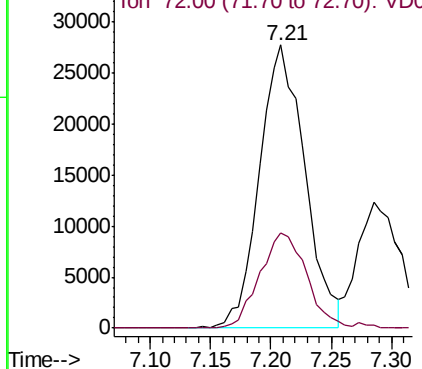
Ion Ratio Lower Upper

43 100

72 33.5 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VDC



#26

2,2-Dichloropropane

Concen: 48.341 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066521.D

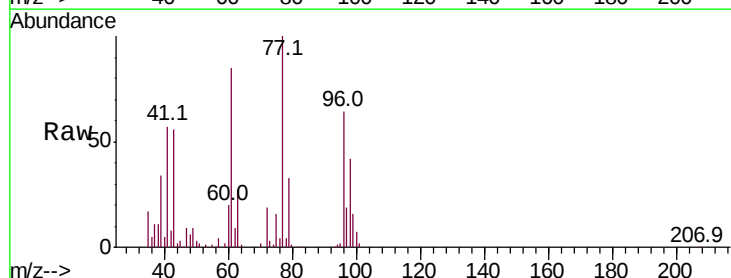
Acq: 02 Sep 2020 14:32

Tgt Ion: 77 Resp: 146043

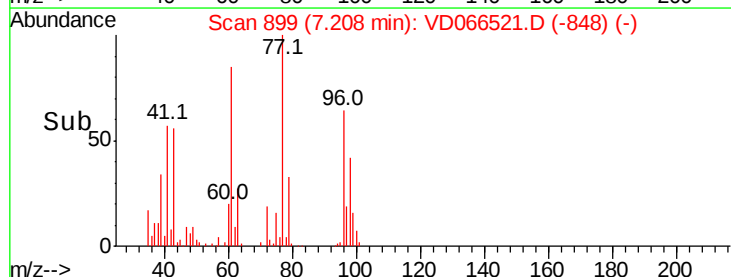
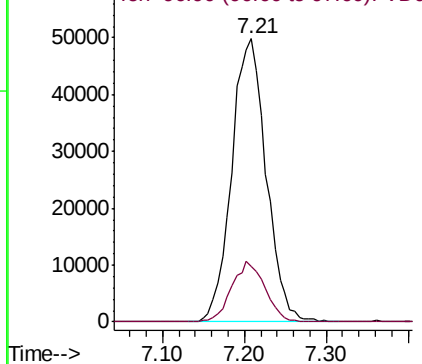
Ion Ratio Lower Upper

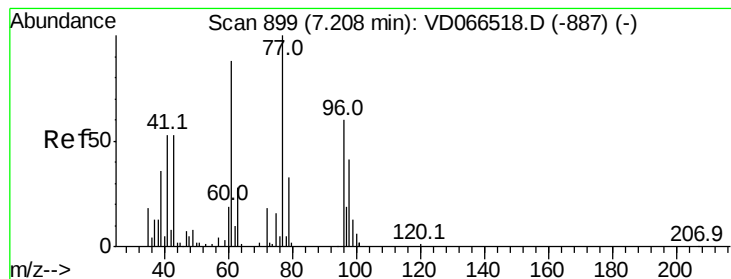
77 100

97 20.5 10.2 30.4



Abundance Ion 76.90 (76.60 to 77.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 48.917 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

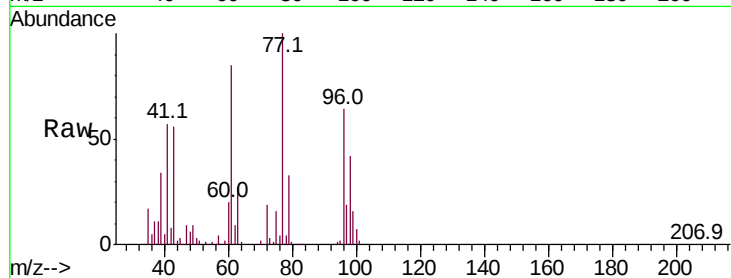
Tot Ion: 96 Resp: 82223

Ion Ratio Lower Upper

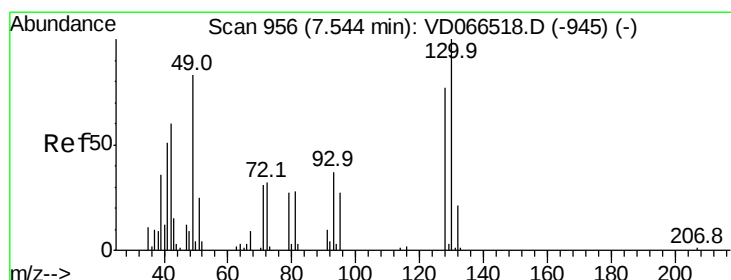
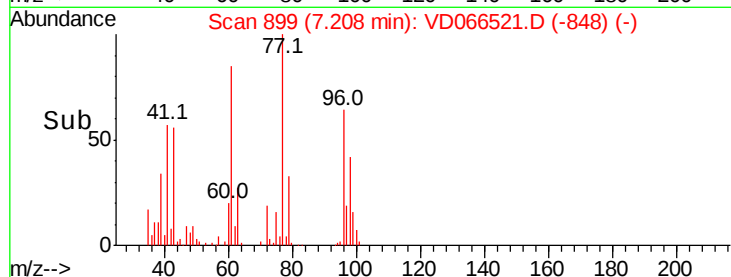
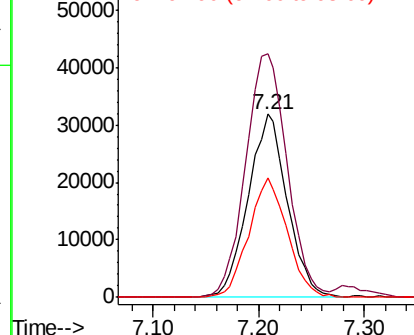
96 100

61 141.0 0.0 292.8

98 63.7 0.0 130.2



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



#28

Bromochloromethane

Concen: 54.448 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

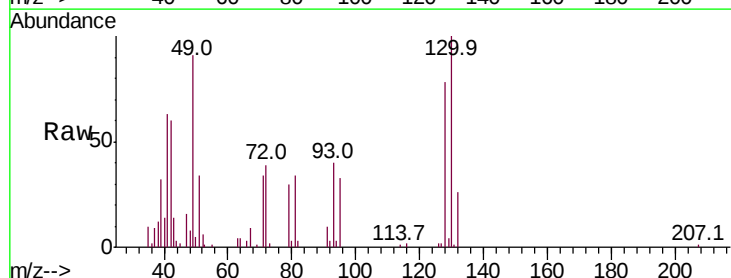
Tgt Ion: 49 Resp: 37558

Ion Ratio Lower Upper

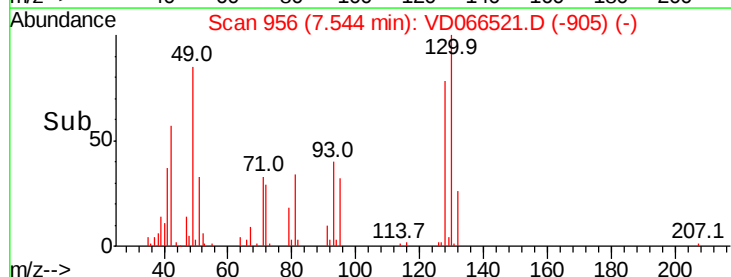
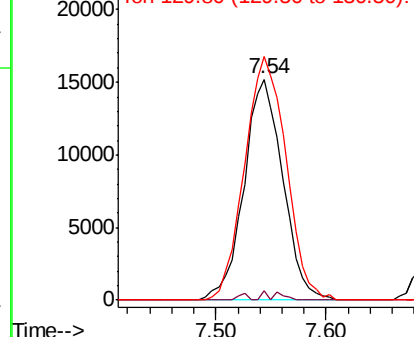
49 100

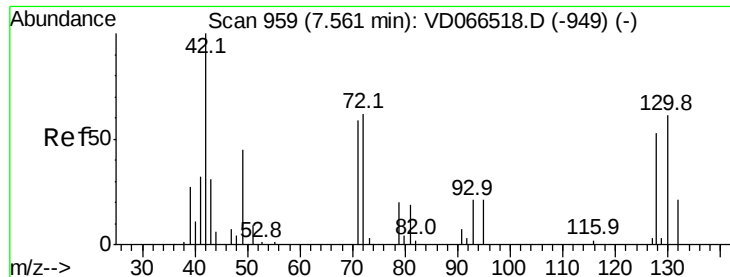
129 0.6 0.0 1.2

130 117.7 98.0 147.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

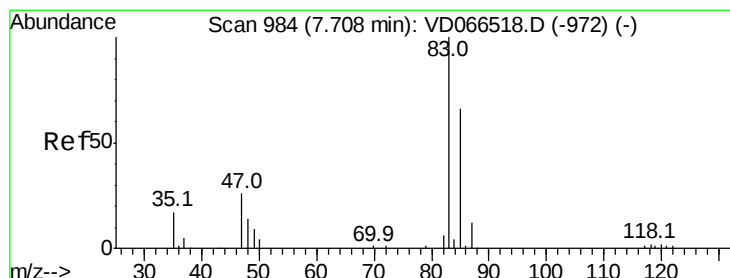
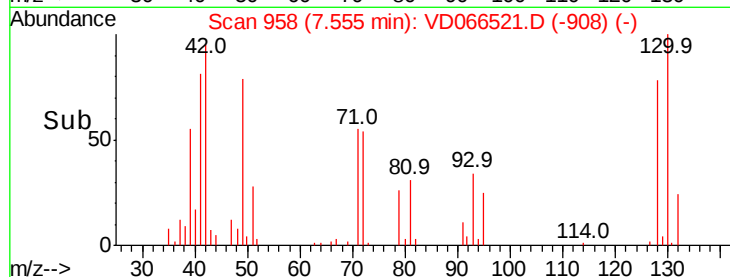
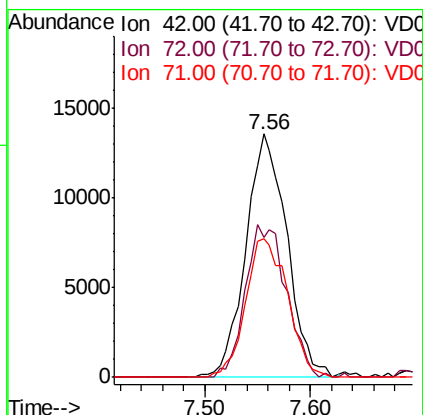
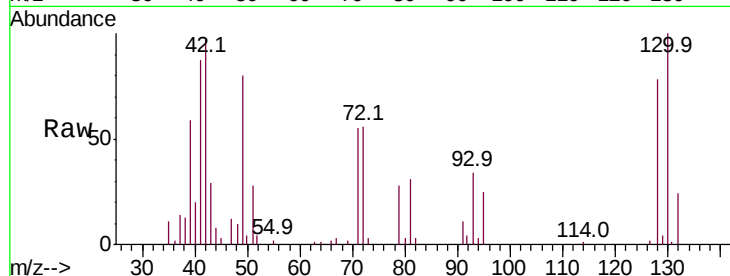




#29
Tetrahydrofuran
Concen: 238.780 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

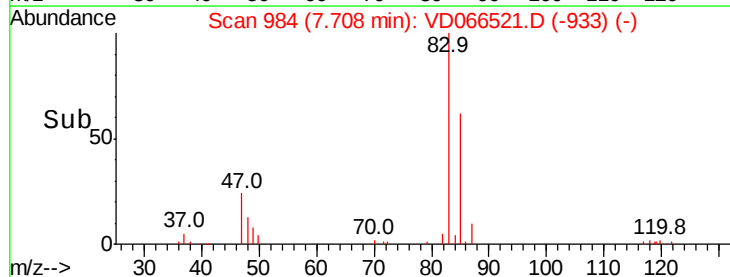
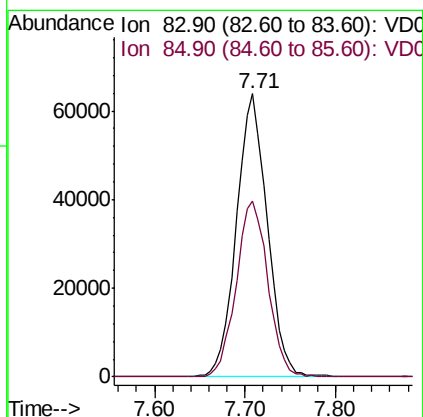
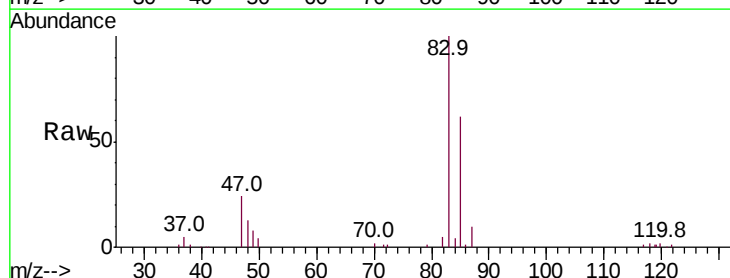
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

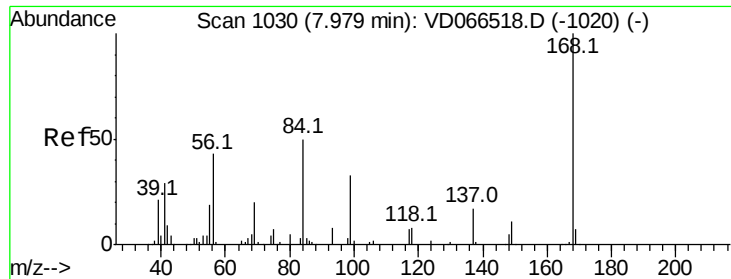
Tot Ion: 42 Resp: 36700
Ion Ratio Lower Upper
42 100
72 62.6 48.6 72.8
71 58.3 43.2 64.8



#30
Chloroform
Concen: 49.071 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 83 Resp: 151075
Ion Ratio Lower Upper
83 100
85 62.3 52.6 79.0

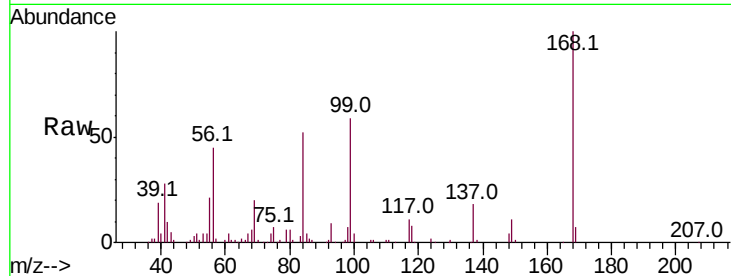




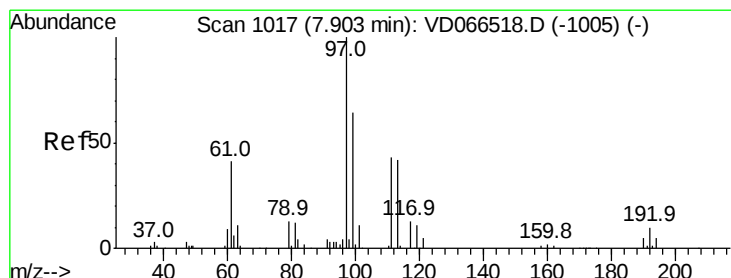
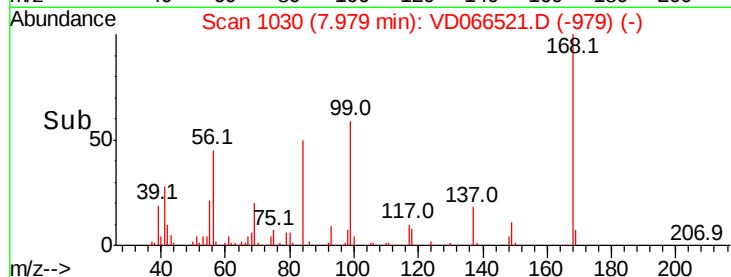
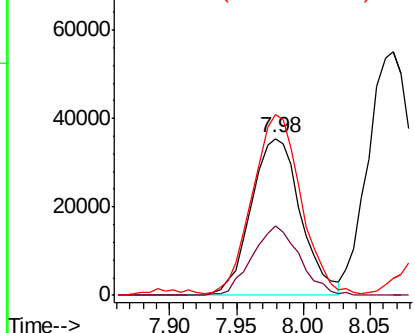
#31
Cyclohexane
Concen: 50.111 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion: 56 Resp: 91604
Ion Ratio Lower Upper
56 100
69 44.3 36.8 55.2
84 112.4 93.4 140.0

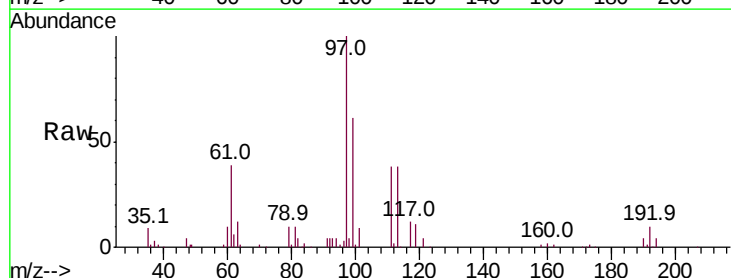


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

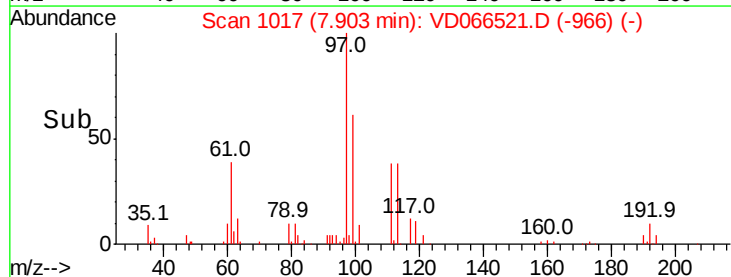
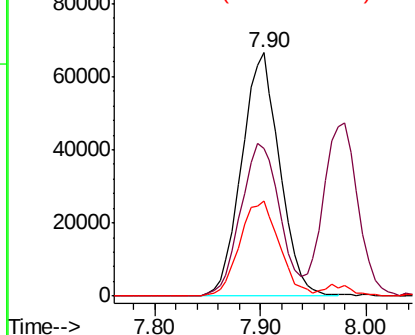


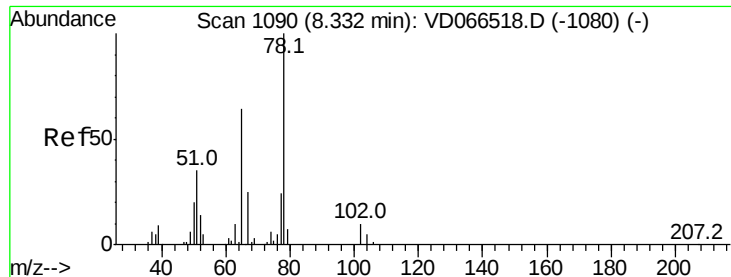
#32
1,1,1-Trichloroethane
Concen: 48.530 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 97 Resp: 166397
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 40.6 32.6 48.8



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





#33

1,2-Dichloroethane-d4

Concen: 48.016 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

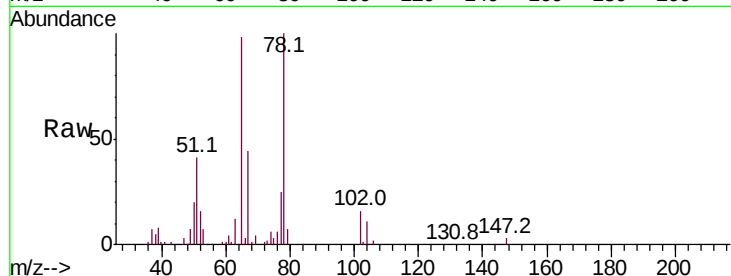
ICVVD090220

Tot Ion: 65 Resp: 93788

Ion Ratio Lower Upper

65 100

67 47.2 0.0 88.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

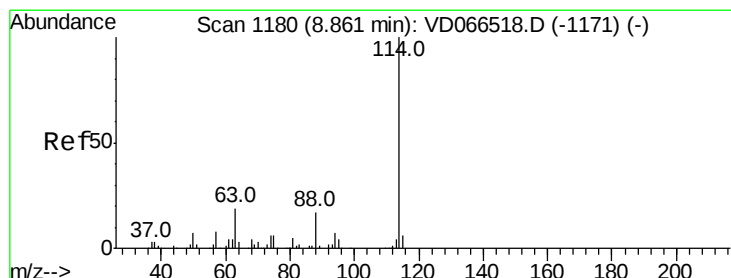
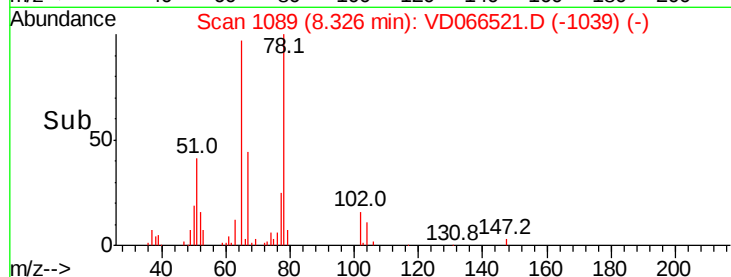
30000

20000

10000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

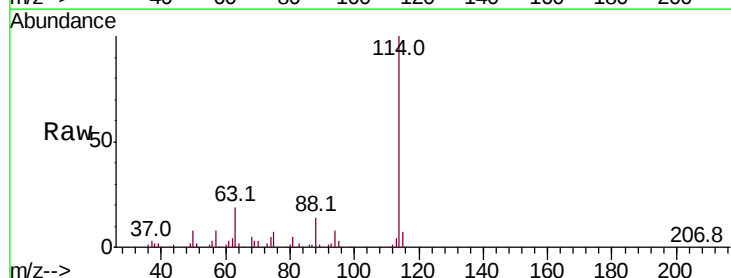
Tgt Ion: 114 Resp: 248106

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 14.2 0.0 33.6



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

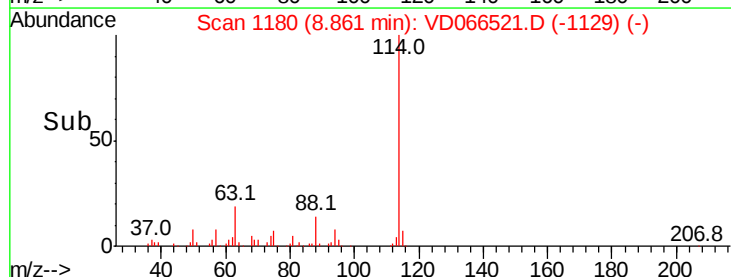
150000

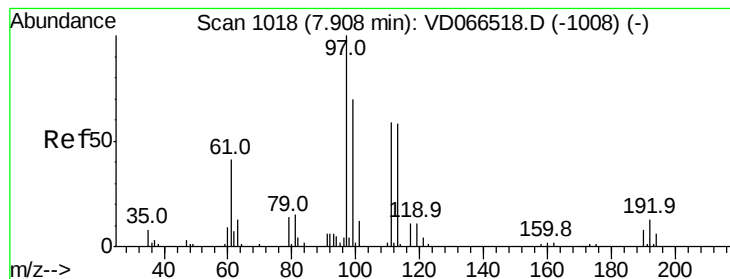
100000

50000

0

Time--> 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 50.402 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

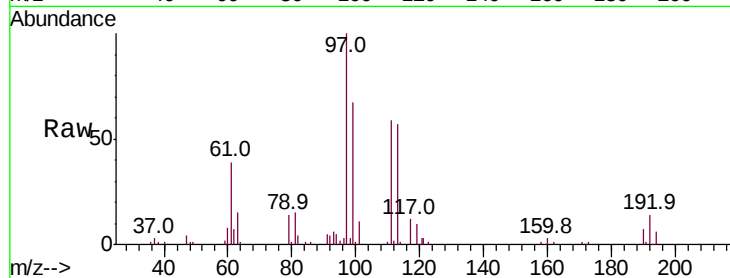
Tot Ion:113 Resp: 75212

Ion Ratio Lower Upper

113 100

111 104.3 82.5 123.7

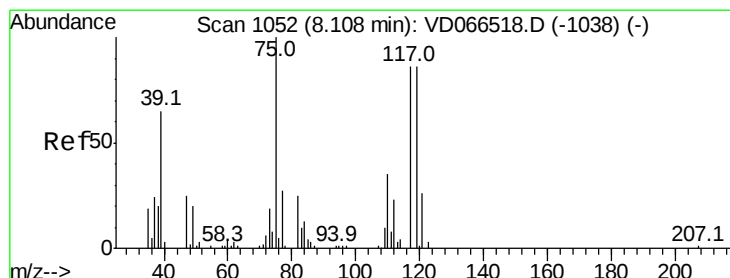
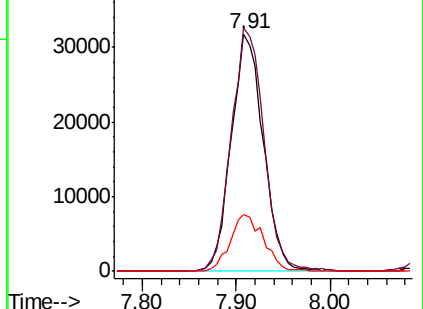
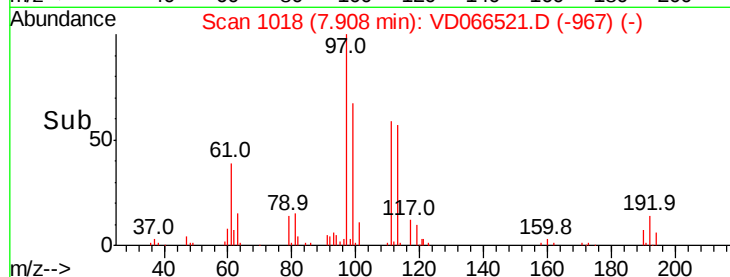
192 24.7 20.7 31.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.469 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

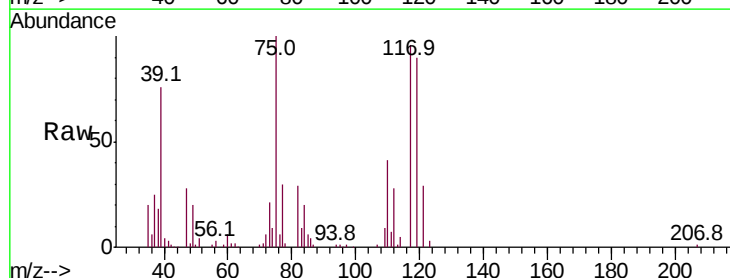
Tgt Ion: 75 Resp: 105414

Ion Ratio Lower Upper

75 100

110 39.9 18.4 55.2

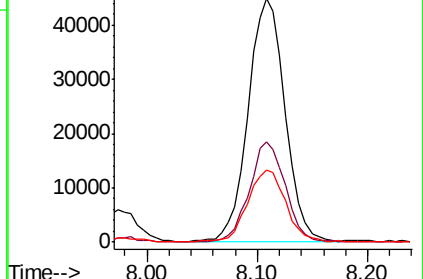
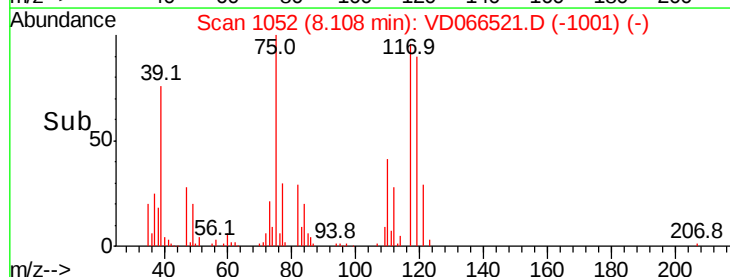
77 30.6 24.6 36.8

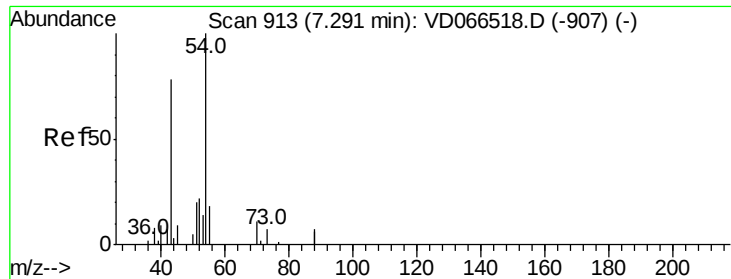


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

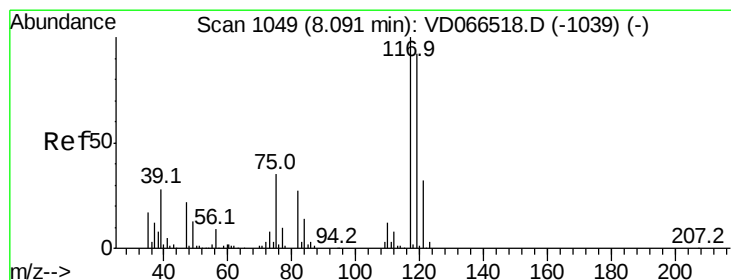
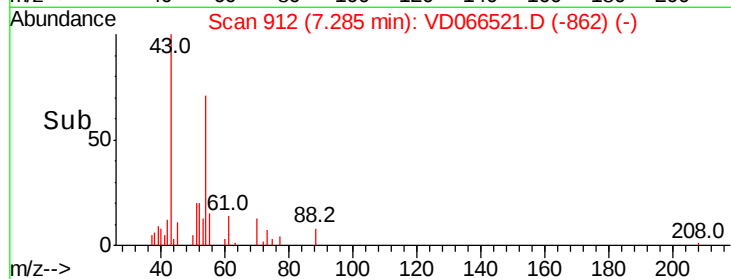
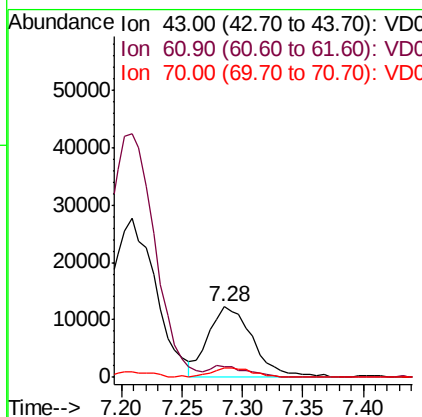
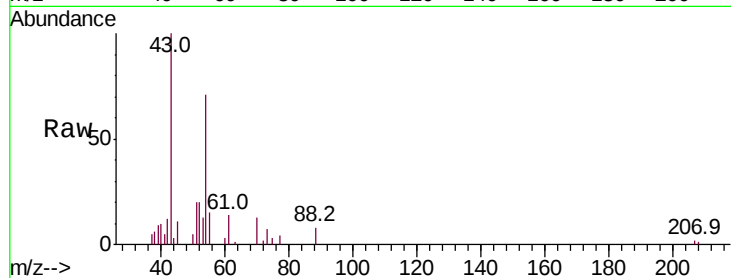




#37
Ethyl Acetate
Concen: 48.460 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

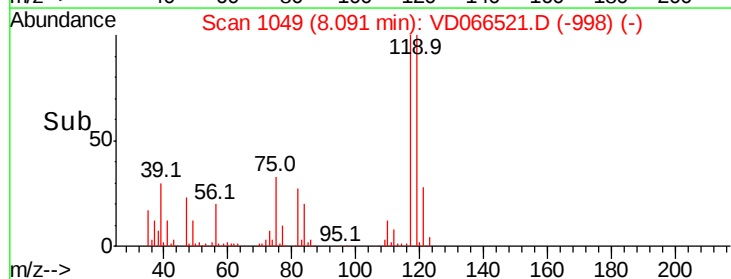
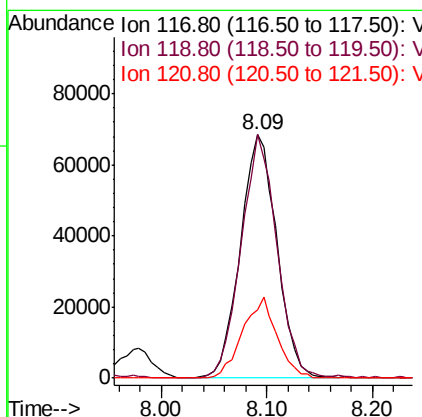
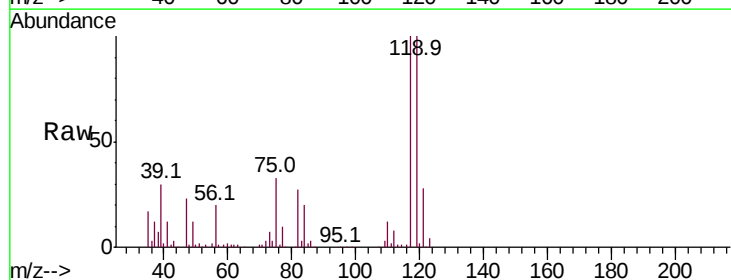
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

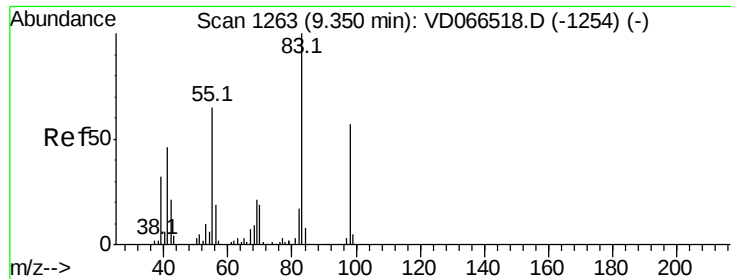
Tot Ion: 43 Resp: 31637
Ion Ratio Lower Upper
43 100
61 13.2 10.7 16.1
70 12.5 10.2 15.2



#38
Carbon Tetrachloride
Concen: 49.678 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 117 Resp: 164594
Ion Ratio Lower Upper
117 100
119 99.9 73.9 110.9
121 27.8 25.6 38.4

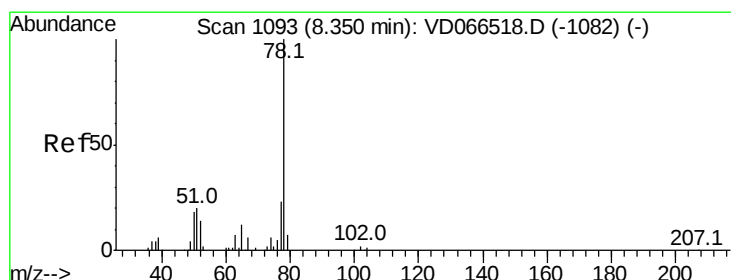
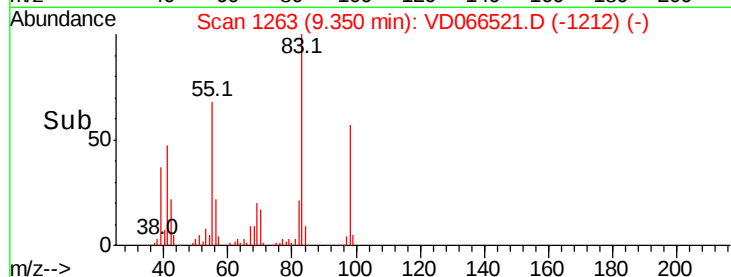
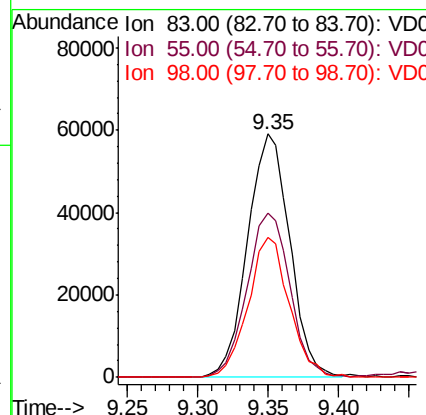
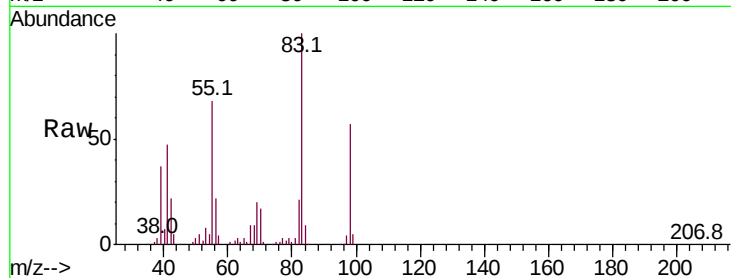




#39
Methvlcvclohexane
Concen: 48.791 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

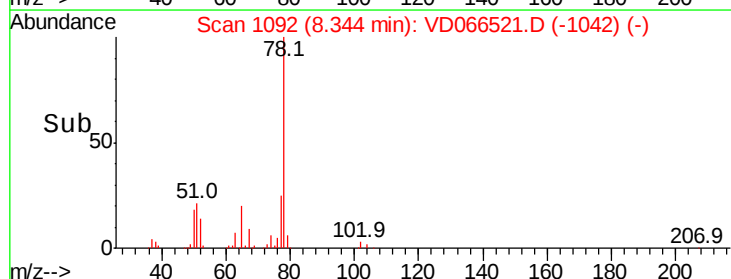
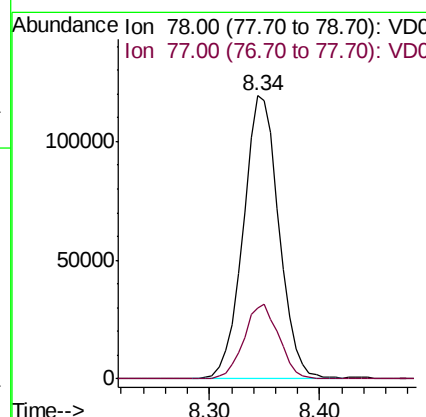
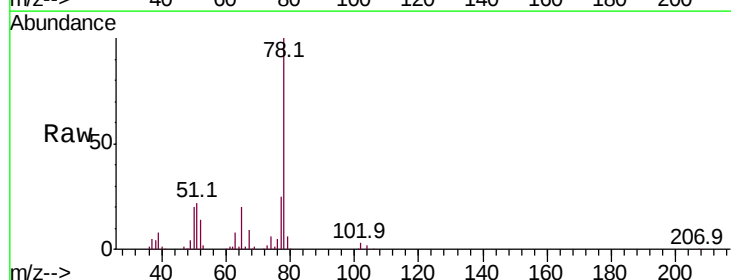
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

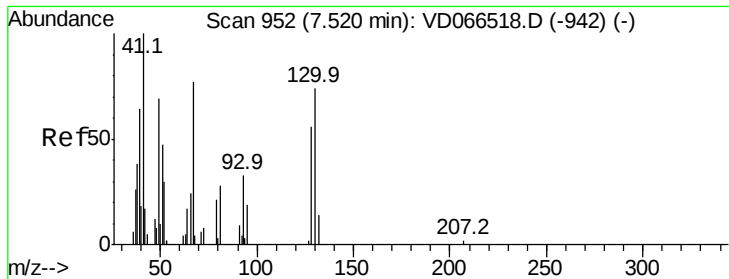
Tot Ion: 83 Resp: 123976
Ion Ratio Lower Upper
83 100
55 67.7 52.2 78.2
98 57.4 45.6 68.4



#40
Benzene
Concen: 48.251 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 78 Resp: 270706
Ion Ratio Lower Upper
78 100
77 25.2 18.1 27.1

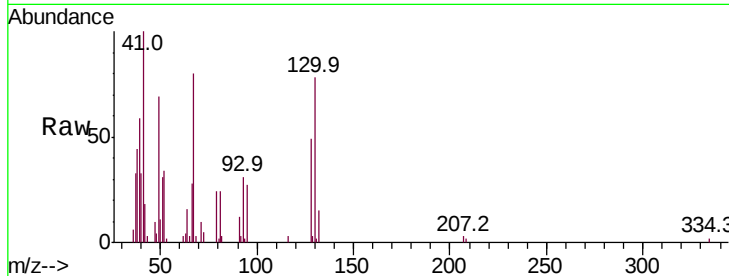




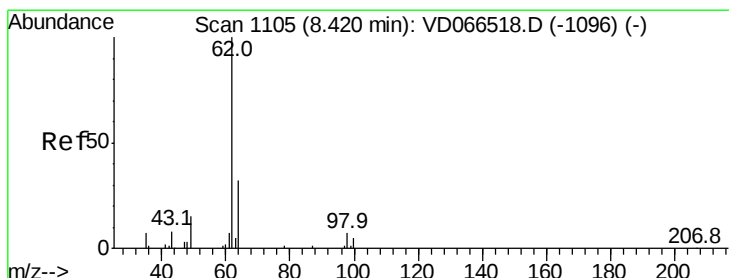
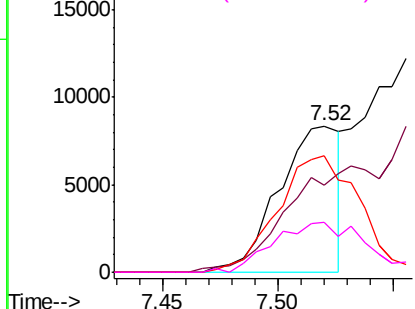
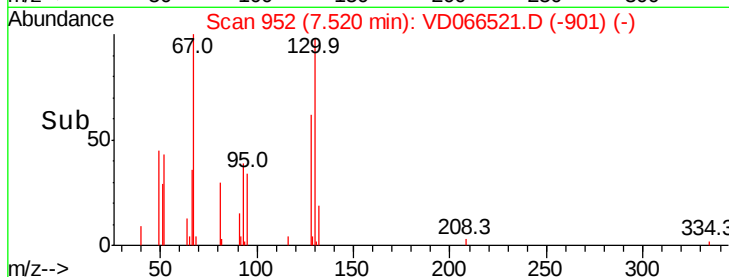
#41
Methacrylonitrile
Concen: 45.886 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion: 41 Resp: 15586
Ion Ratio Lower Upper
41 100
39 104.1 0.0 0.0#
67 106.1 85.0 127.4
52 49.9 38.8 58.2

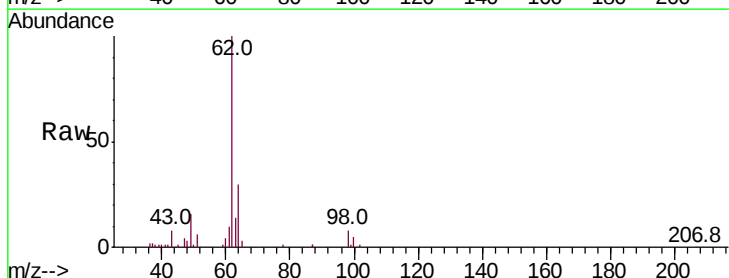


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

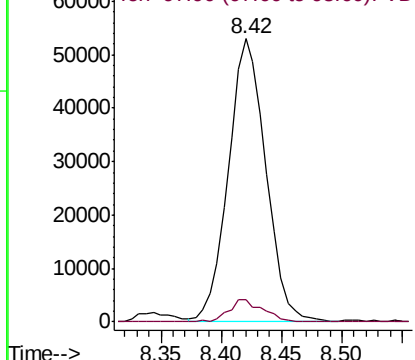
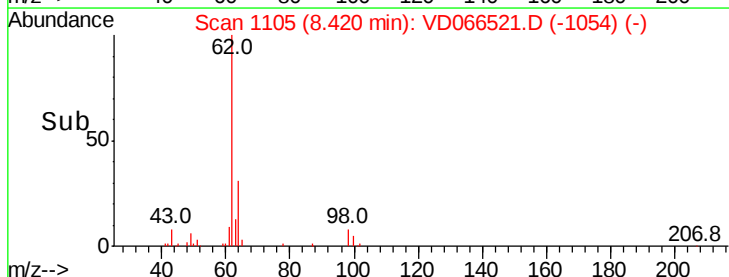


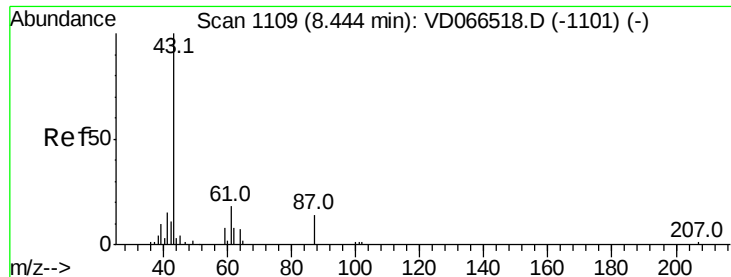
#42
1,2-Dichloroethane
Concen: 48.199 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 62 Resp: 114399
Ion Ratio Lower Upper
62 100
98 7.2 0.0 15.2



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





#43

Isopropyl Acetate

Concen: 48.532 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

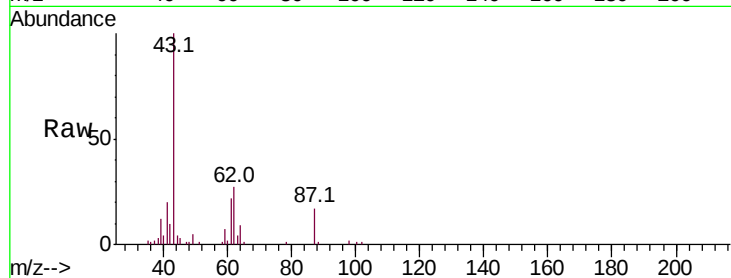
Tot Ion: 43 Resp: 66371

Ion Ratio Lower Upper

43 100

61 34.6 26.9 40.3

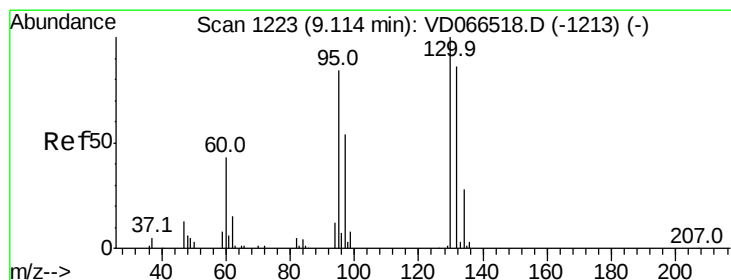
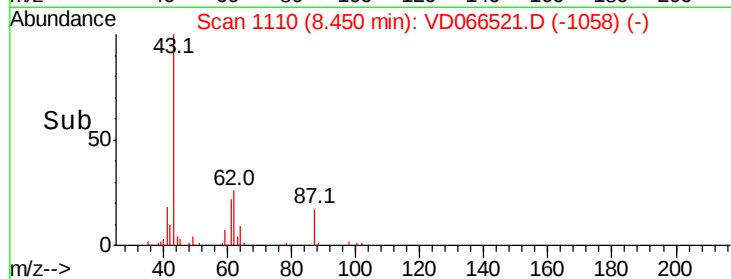
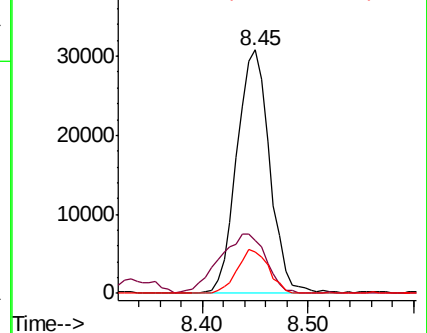
87 16.9 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.621 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD066521.D

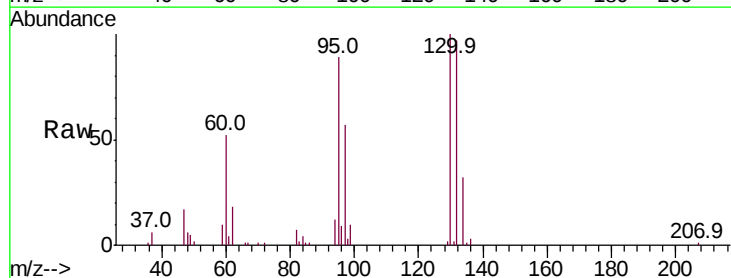
Acq: 02 Sep 2020 14:32

Tgt Ion: 130 Resp: 94152

Ion Ratio Lower Upper

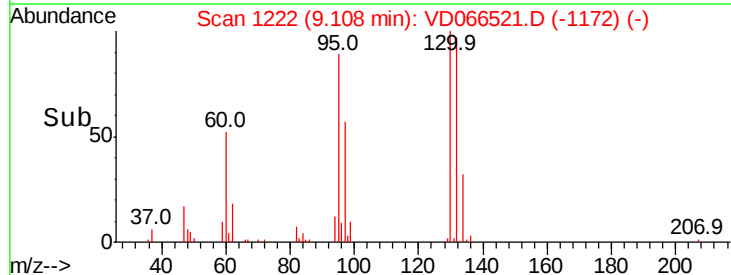
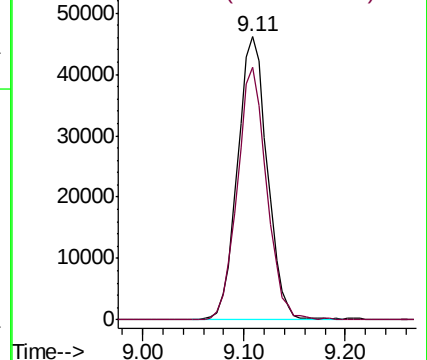
130 100

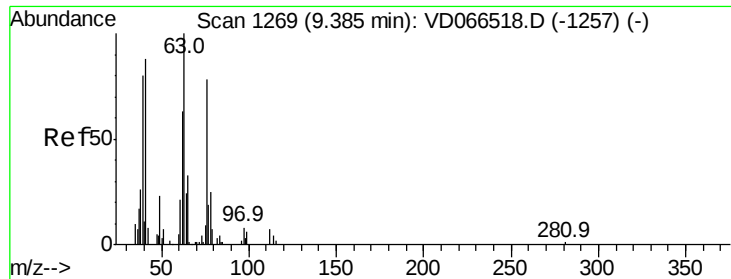
95 89.3 0.0 167.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.346 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

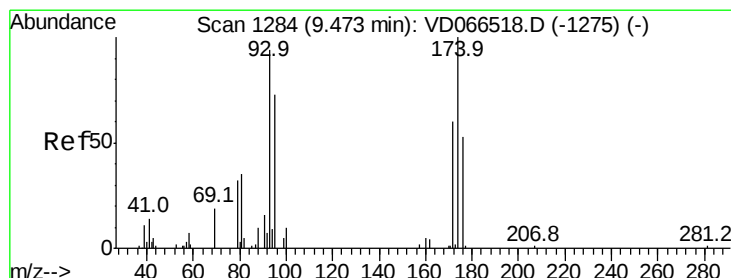
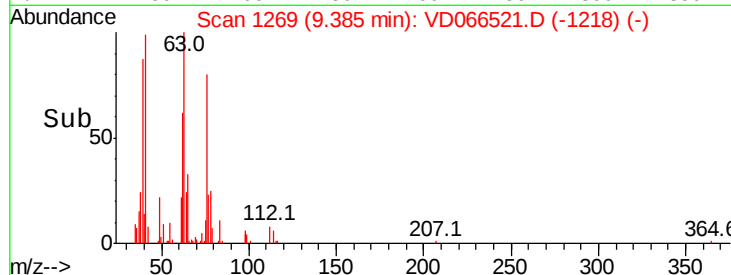
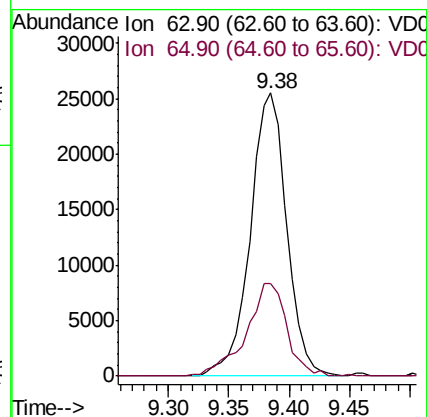
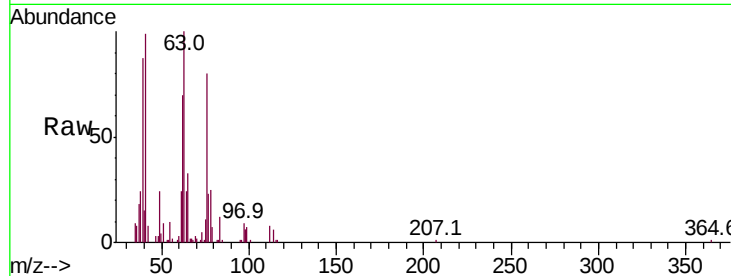
ICVVD090220

Tot Ion: 63 Resp: 53817

Ion Ratio Lower Upper

63 100

65 32.9 26.2 39.4



#46

Dibromomethane

Concen: 49.122 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

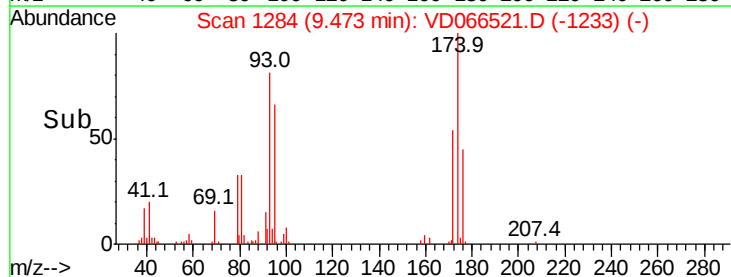
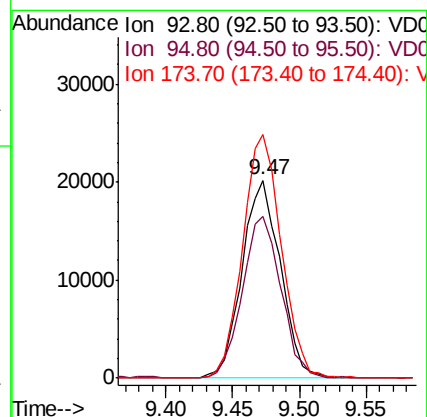
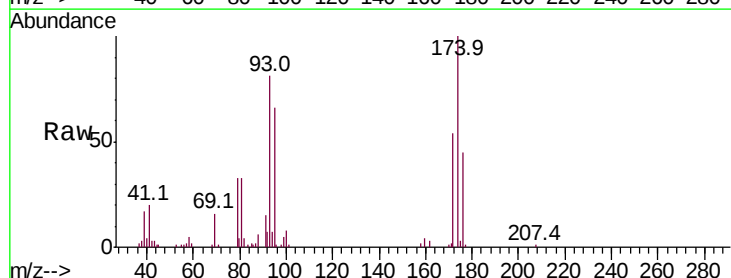
Tgt Ion: 93 Resp: 40033

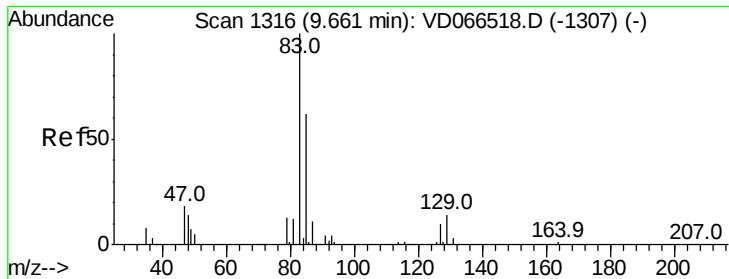
Ion Ratio Lower Upper

93 100

95 82.3 63.9 95.9

174 124.1 94.4 141.6

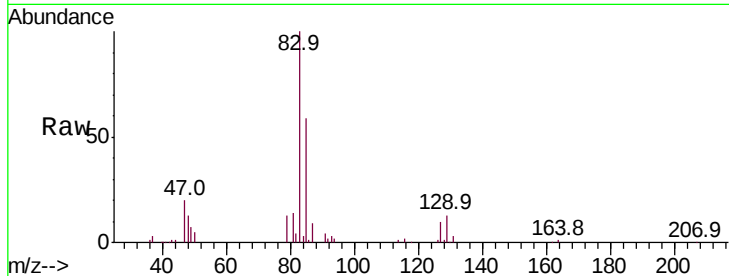




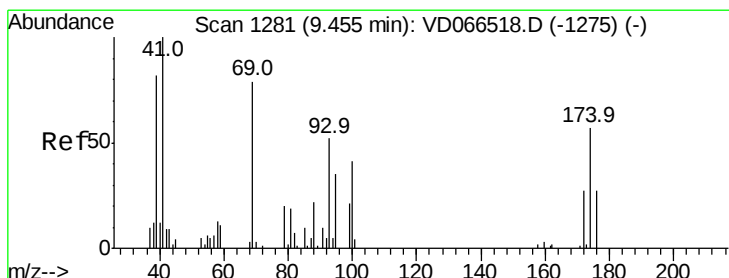
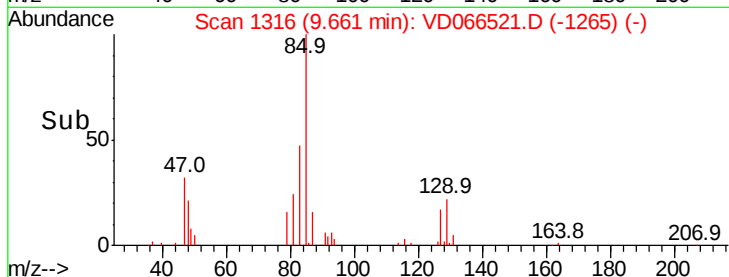
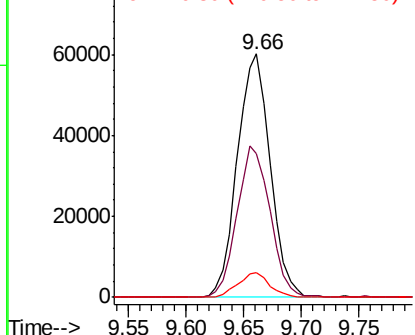
#47
Bromodichloromethane
Concen: 49.257 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion: 83 Resp: 119309
Ion Ratio Lower Upper
83 100
85 59.1 49.6 74.4
127 10.0 7.8 11.6

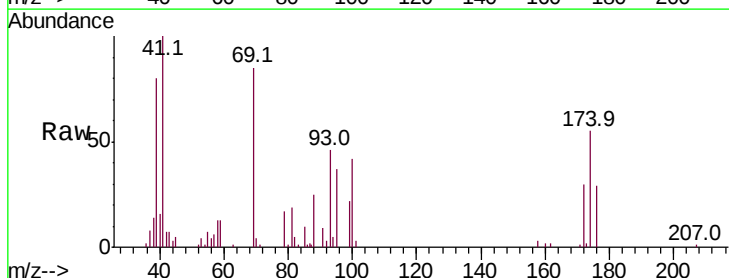


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

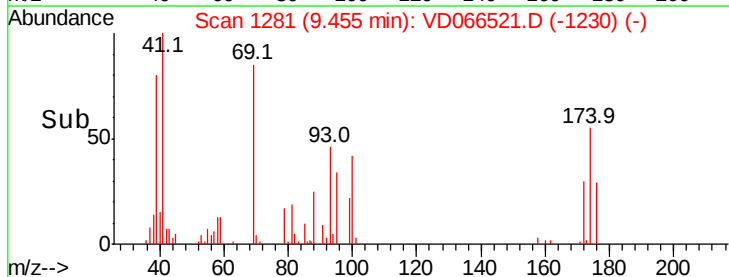
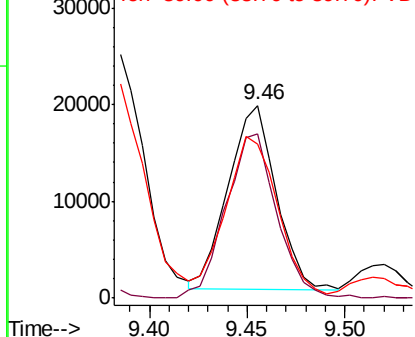


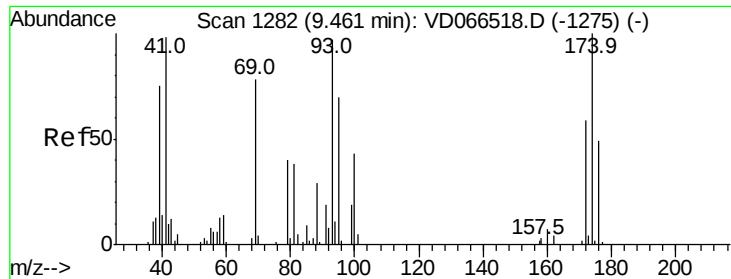
#48
Methyl methacrylate
Concen: 46.410 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 41 Resp: 32345
Ion Ratio Lower Upper
41 100
69 95.3 71.1 106.7
39 92.2 75.4 113.2



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: 929.048 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

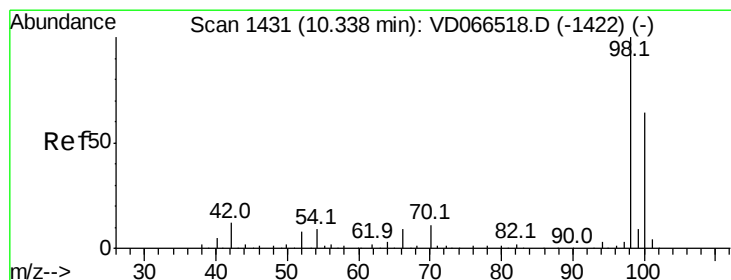
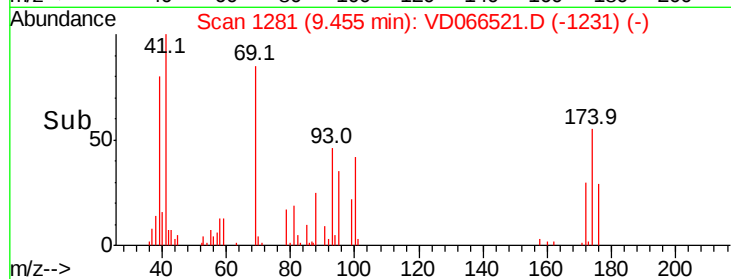
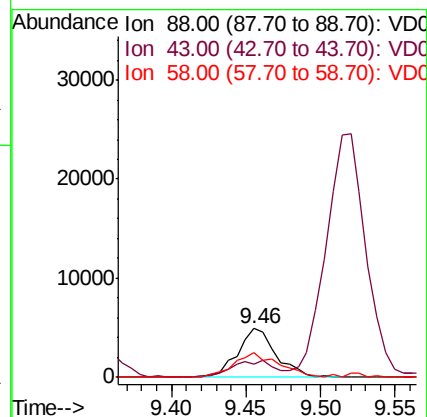
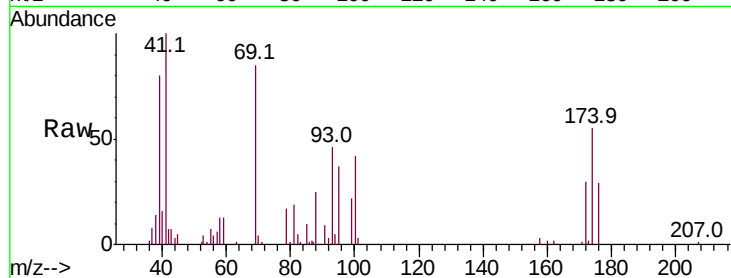
Tot Ion: 88 Resp: 8764

Ion Ratio Lower Upper

88 100

43 40.6 33.8 50.6

58 59.0 46.2 69.4



#50

Toluene-d8

Concen: 49.460 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066521.D

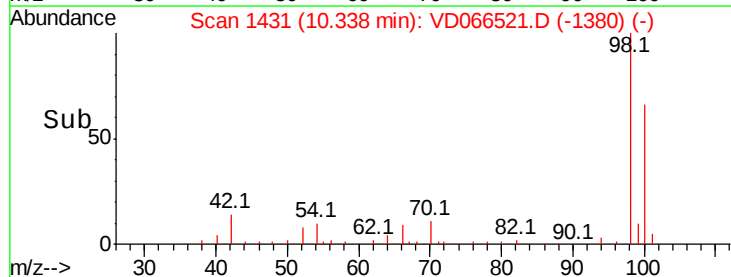
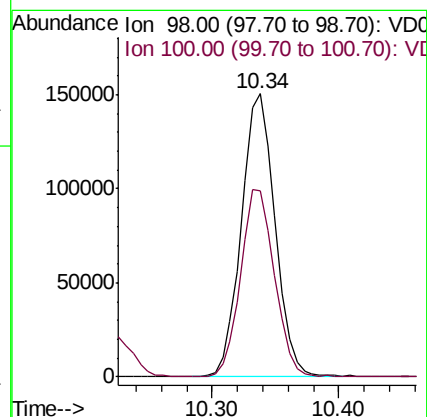
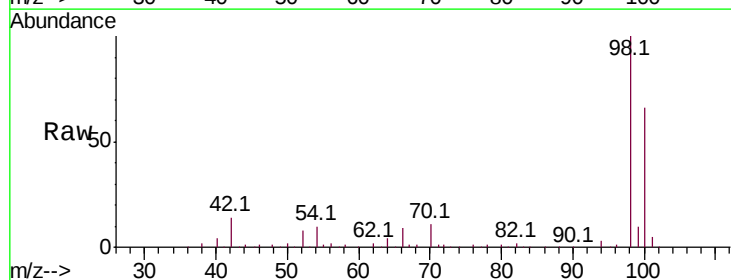
Acq: 02 Sep 2020 14:32

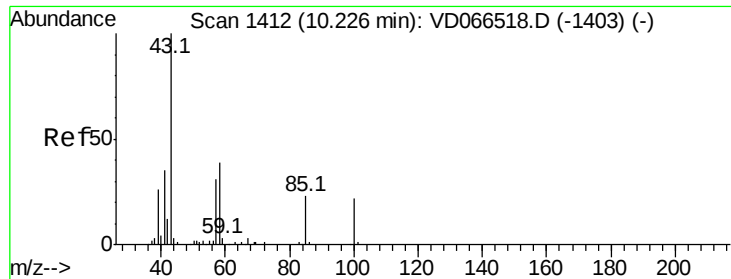
Tgt Ion: 98 Resp: 277136

Ion Ratio Lower Upper

98 100

100 66.4 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 249.002 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

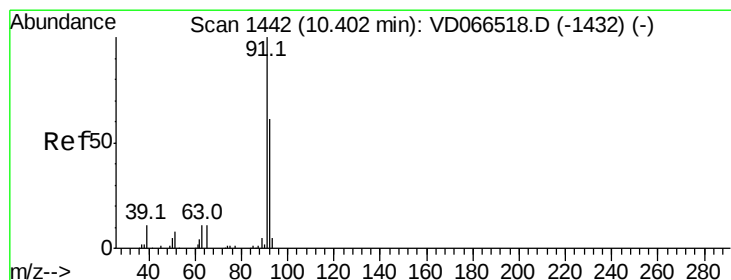
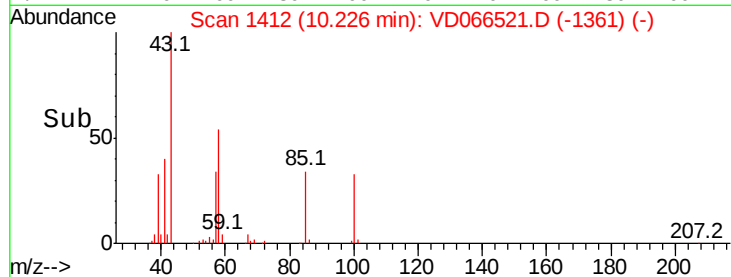
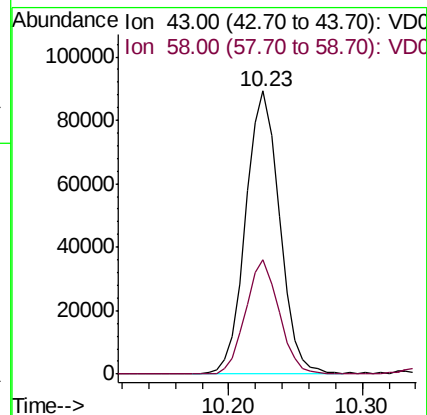
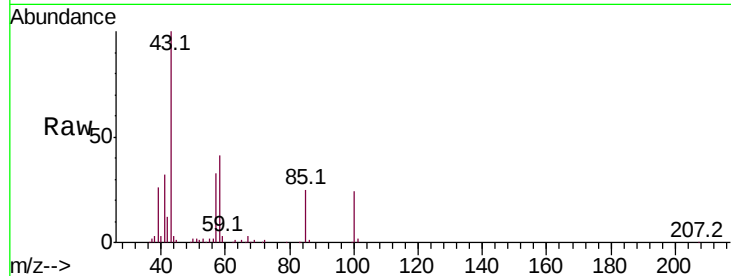
ICVVD090220

Tot Ion: 43 Resp: 156584

Ion Ratio Lower Upper

43 100

58 40.0 31.5 47.3



#52

Toluene

Concen: 49.693 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066521.D

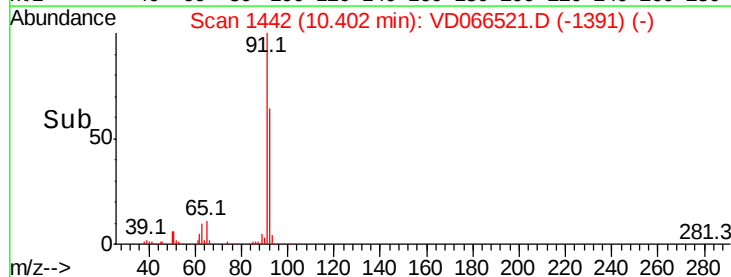
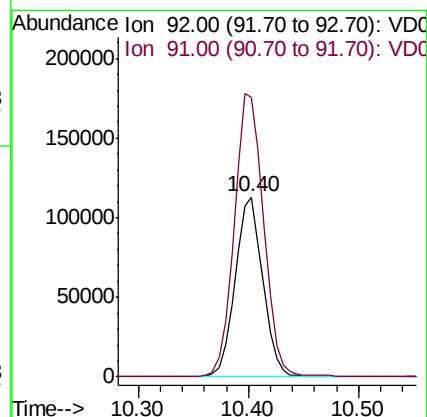
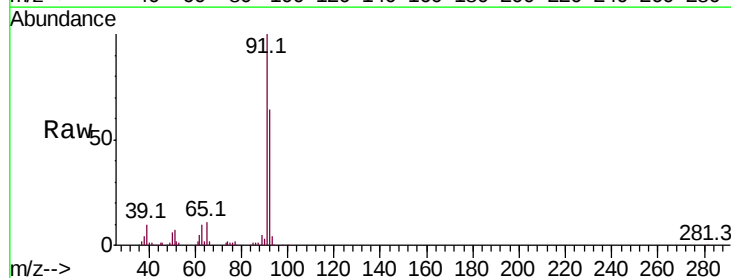
Acq: 02 Sep 2020 14:32

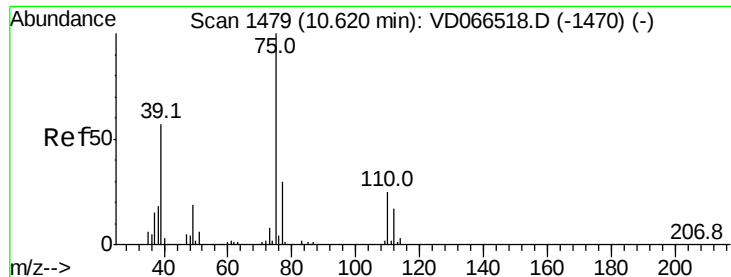
Tgt Ion: 92 Resp: 198309

Ion Ratio Lower Upper

92 100

91 167.9 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 49.375 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

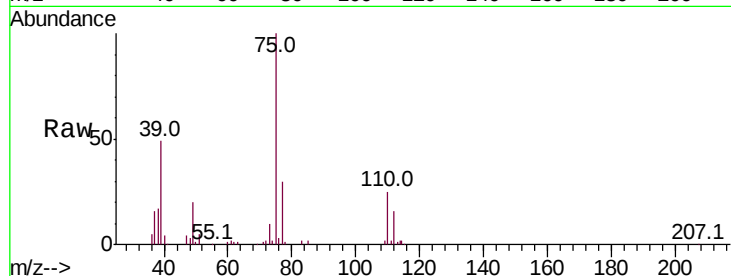
ICVVD090220

Tot Ion: 75 Resp: 109265

Ion Ratio Lower Upper

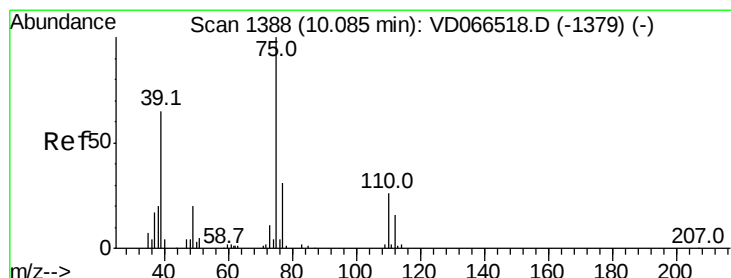
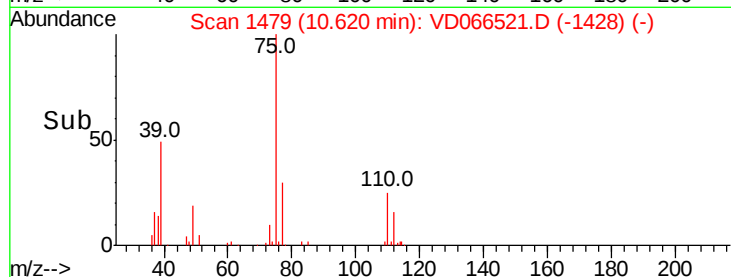
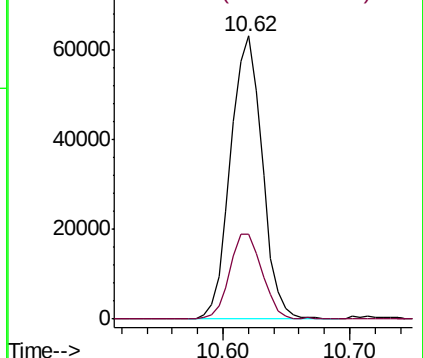
75 100

77 30.0 23.7 35.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 48.188 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

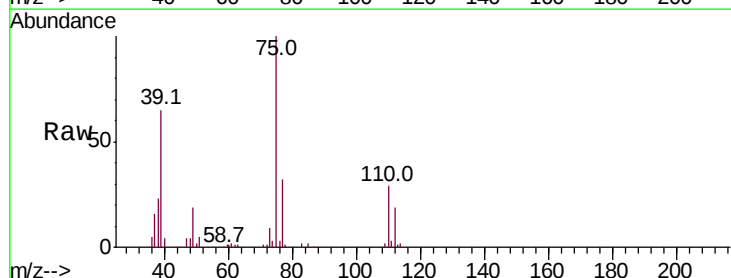
Tgt Ion: 75 Resp: 112345

Ion Ratio Lower Upper

75 100

77 32.2 24.5 36.7

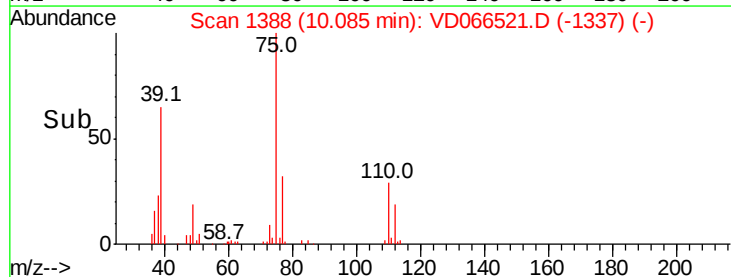
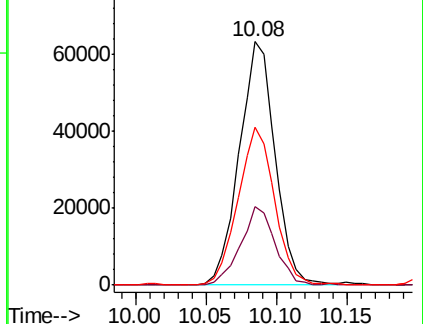
39 64.7 52.4 78.6

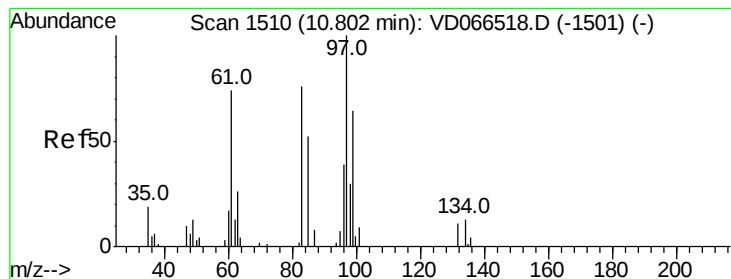


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 50.774 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 97 Resp: 52287

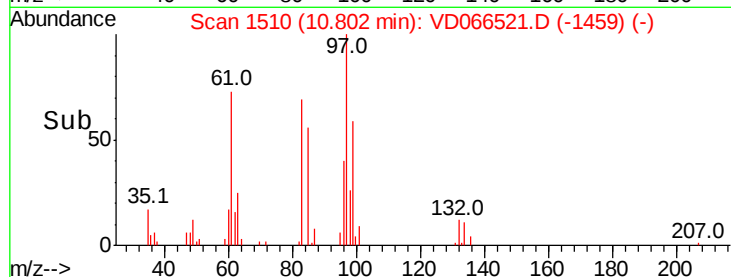
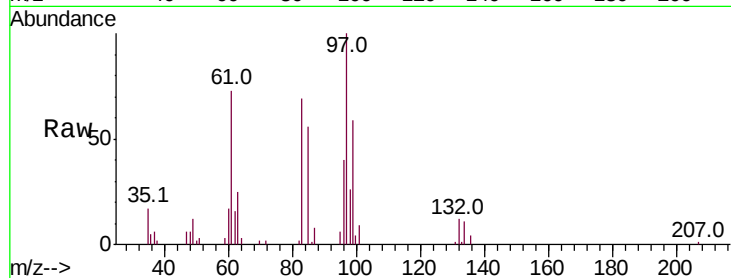
Ion	Ratio	Lower	Upper
97	100		
83	69.4	61.2	91.8
85	55.7	42.0	63.0
99	59.4	51.2	76.8

97 100

83 69.4 61.2 91.8

85 55.7 42.0 63.0

99 59.4 51.2 76.8



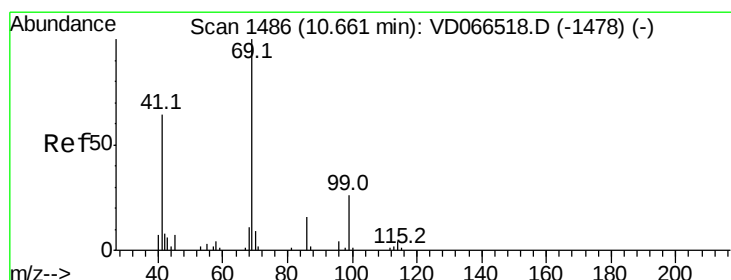
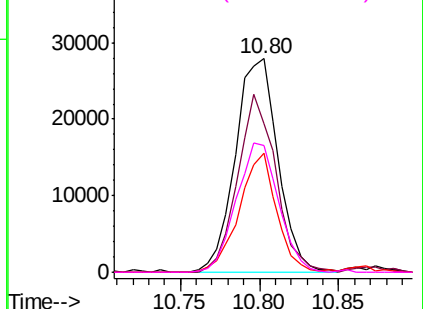
Abundance

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: 48.447 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

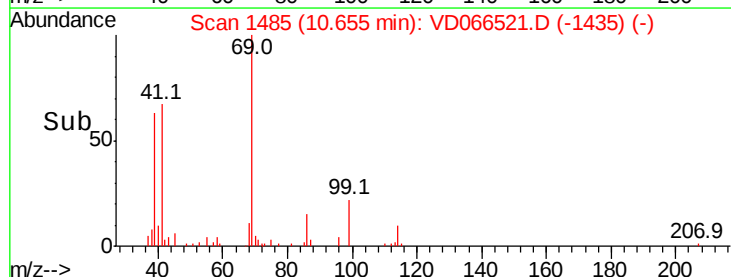
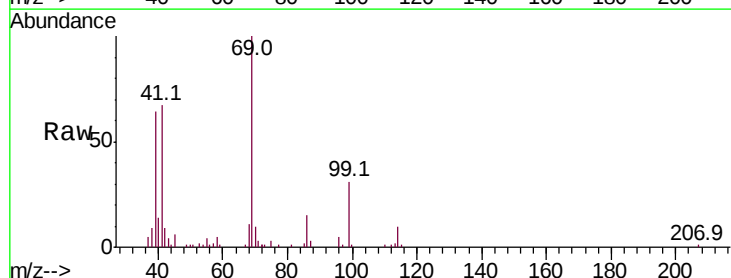
Tgt Ion: 69 Resp: 58714

Ion	Ratio	Lower	Upper
69	100		
41	69.9	52.5	78.7
39	53.6	42.1	63.1

69 100

41 69.9 52.5 78.7

39 53.6 42.1 63.1

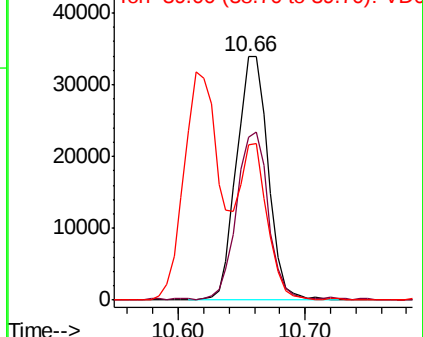


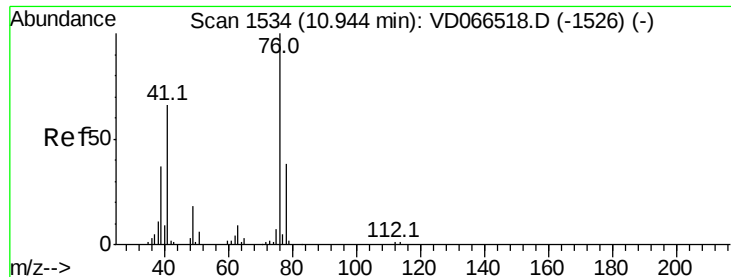
Abundance

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: 50.054 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

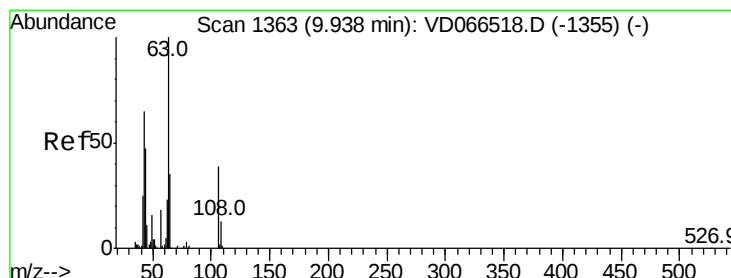
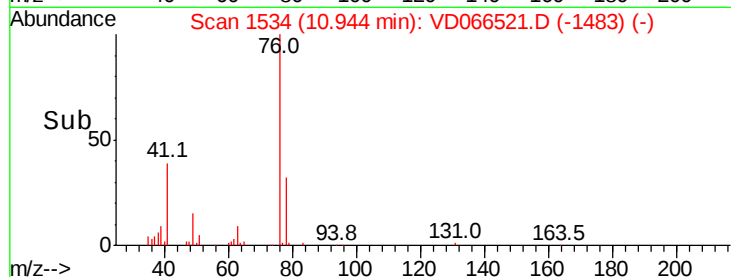
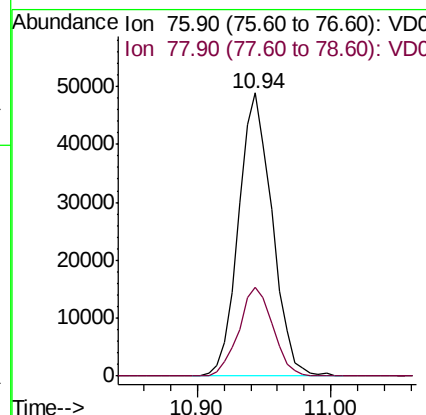
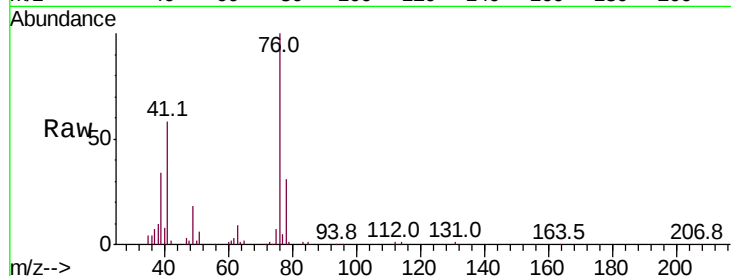
Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion: 76 Resp: 85124

Ion	Ratio	Lower	Upper
76	100		
78	31.6	28.2	42.2



#58

2-Chloroethyl Vinyl ether

Concen: 239.540 ug/l

RT: 9.94 min Scan# 1363

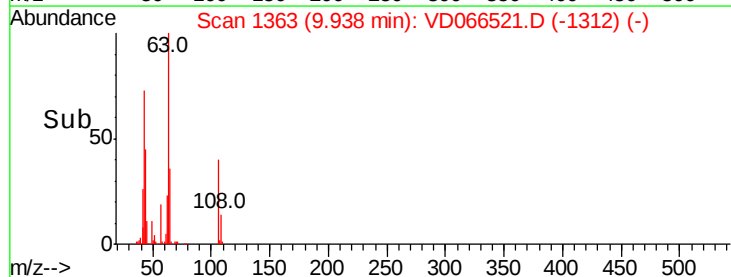
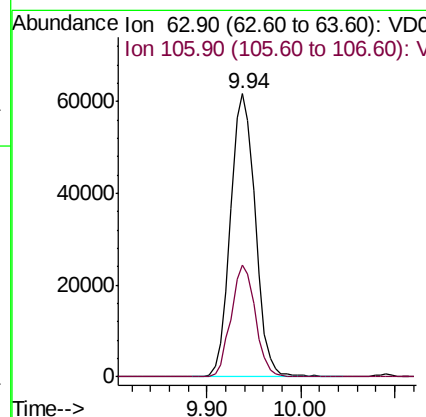
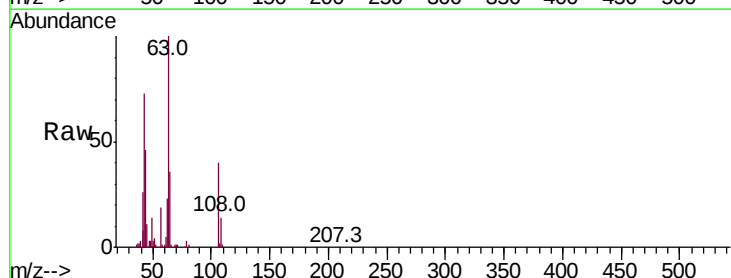
Delta R.T. -0.00 min

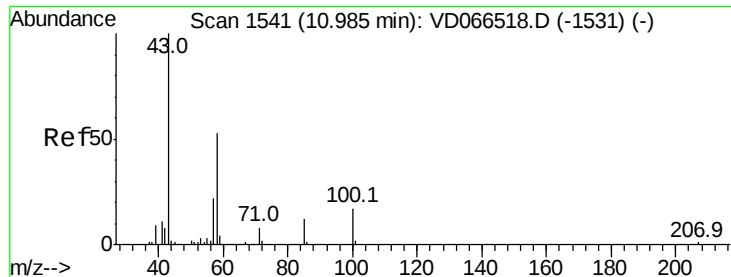
Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion: 63 Resp: 113323

Ion	Ratio	Lower	Upper
63	100		
106	38.6	32.1	48.1

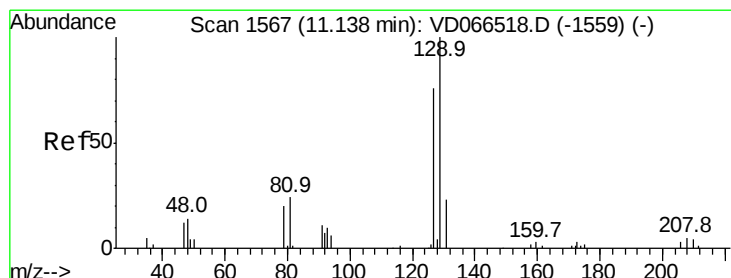
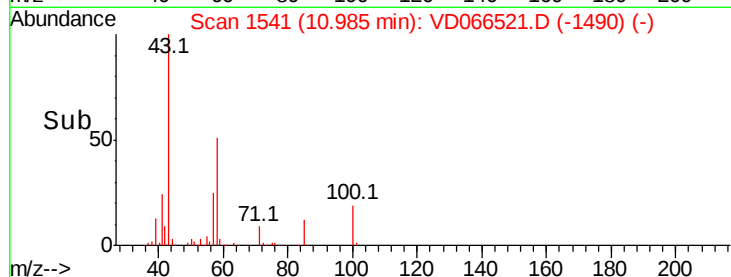
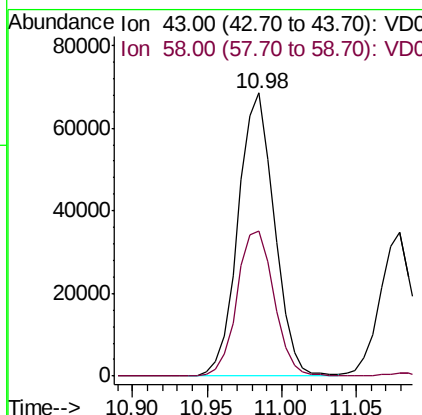
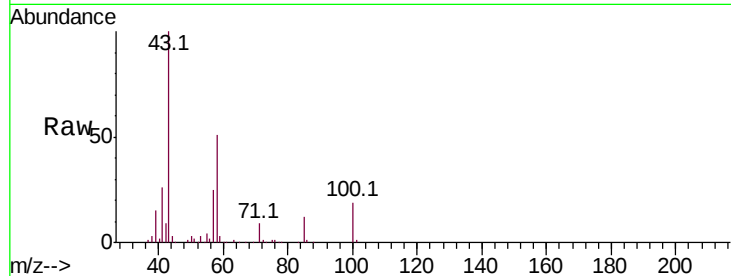




#59
2-Hexanone
Concen: 254.036 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

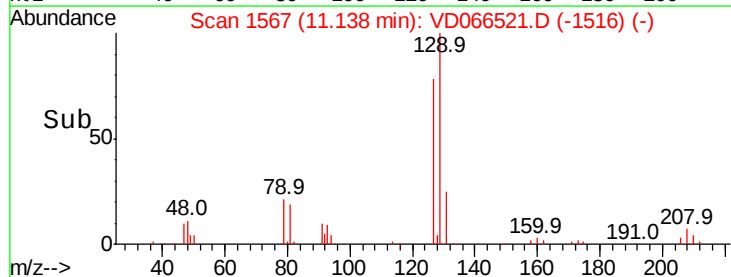
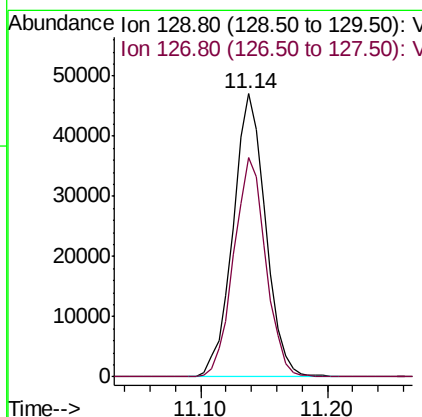
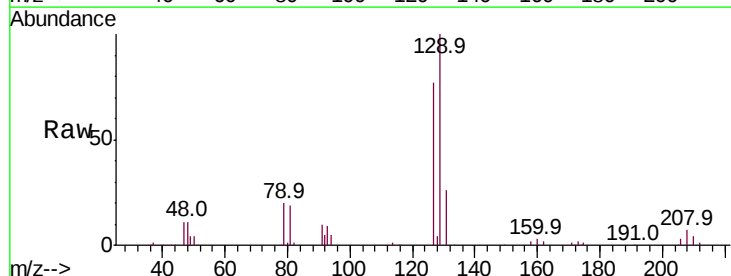
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

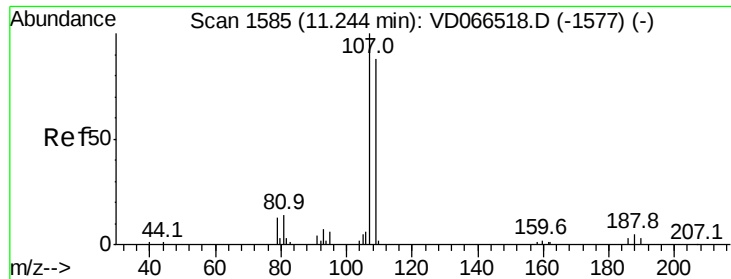
Tot Ion: 43 Resp: 115375
Ion Ratio Lower Upper
43 100
58 52.2 25.7 77.0



#60
Dibromochloromethane
Concen: 49.048 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 129 Resp: 83523
Ion Ratio Lower Upper
129 100
127 75.9 38.2 114.6

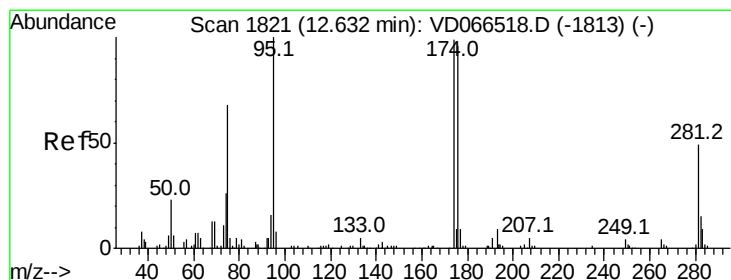
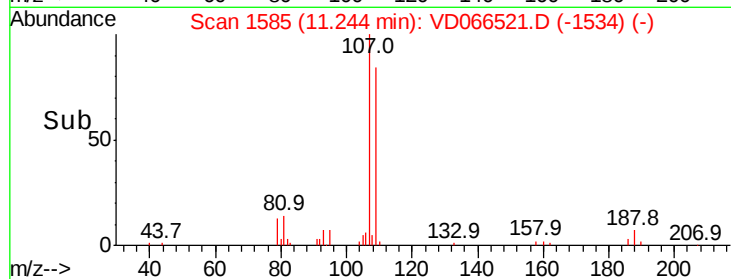
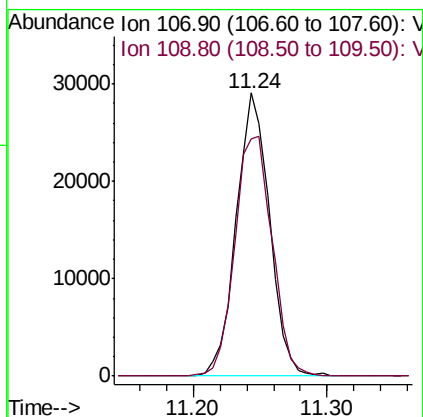
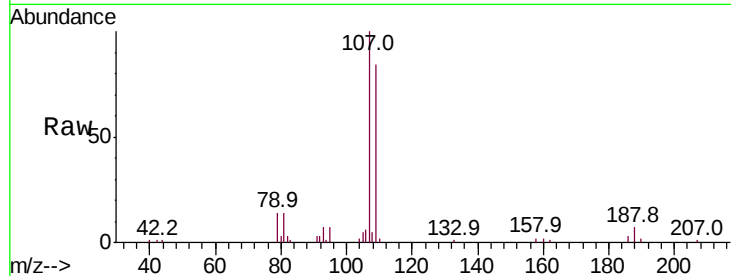




#61
 1,2-Dibromoethane
 Concen: 47.727 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

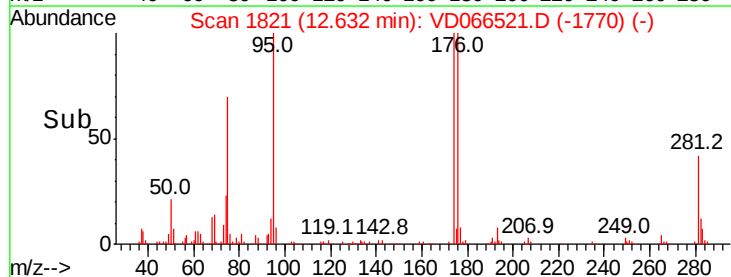
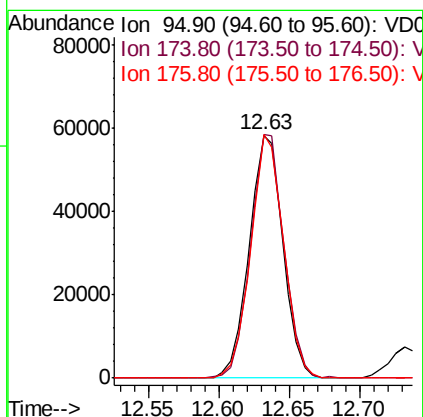
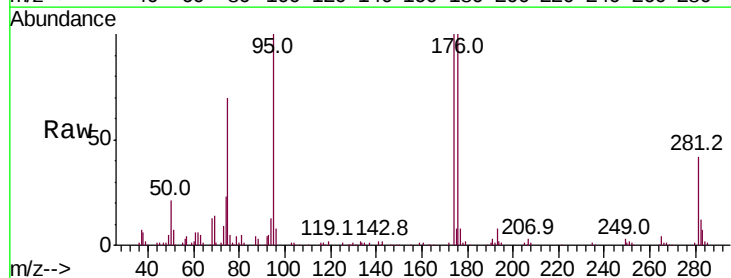
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

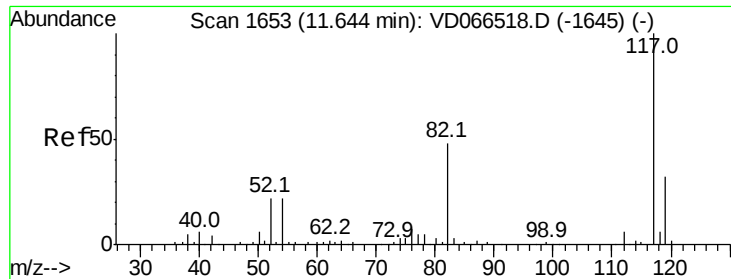
Tot Ion:107 Resp: 50099
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.077 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion: 95 Resp: 98024
 Ion Ratio Lower Upper
 95 100
 174 99.3 0.0 203.2
 176 97.4 0.0 198.6

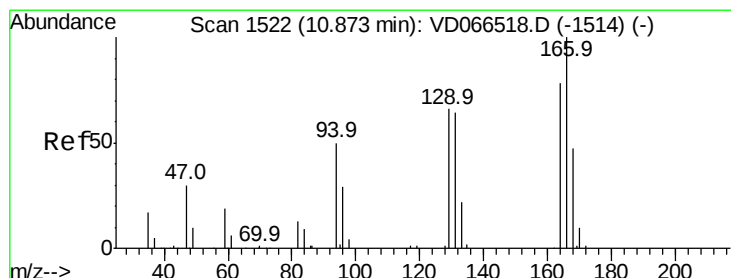
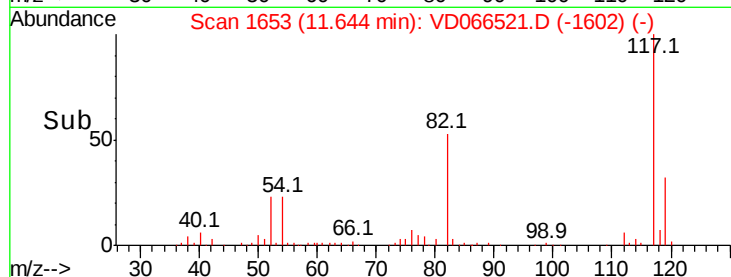
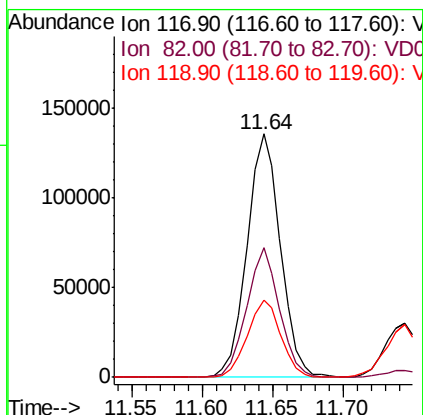
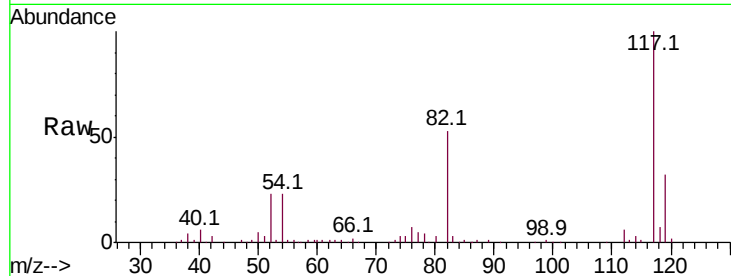




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

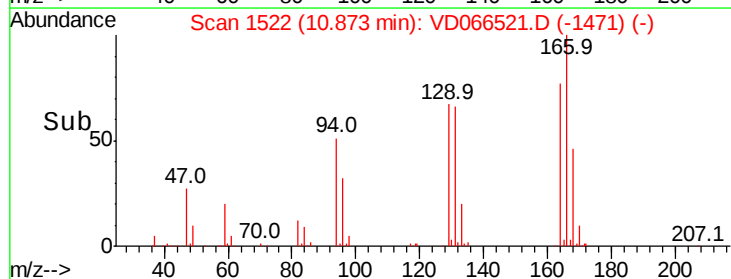
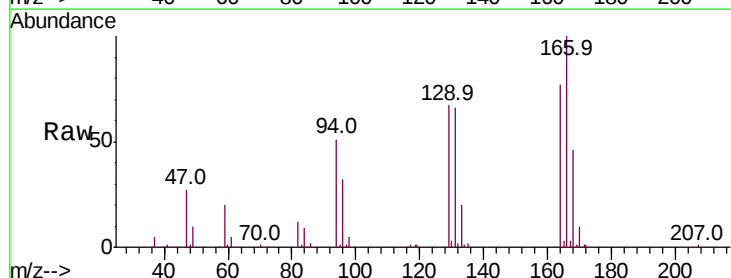
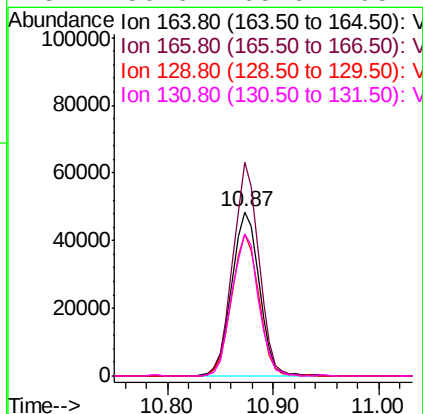
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

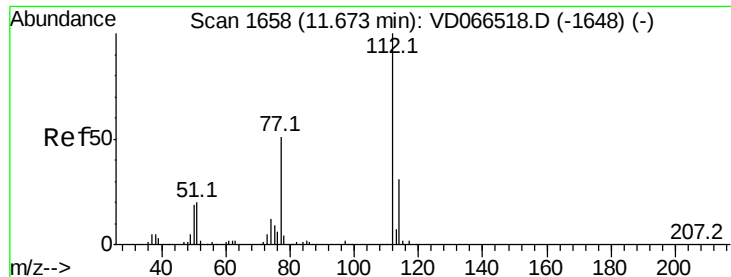
Tot Ion:117 Resp: 224951
Ion Ratio Lower Upper
117 100
82 53.1 38.5 57.7
119 31.6 25.9 38.9



#64
Tetrachloroethene
Concen: 49.839 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion:164 Resp: 87411
Ion Ratio Lower Upper
164 100
166 130.3 103.0 154.6
129 86.7 68.3 102.5
131 86.6 65.6 98.4

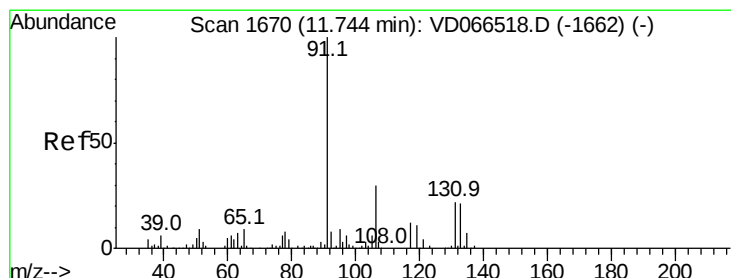
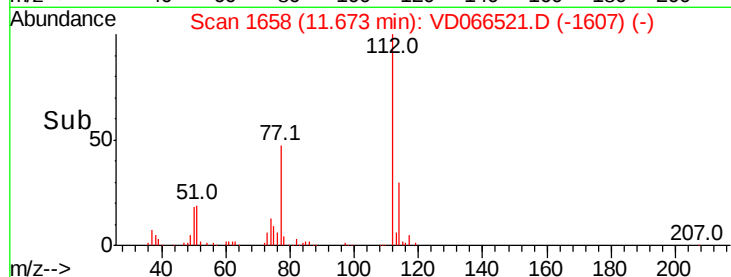
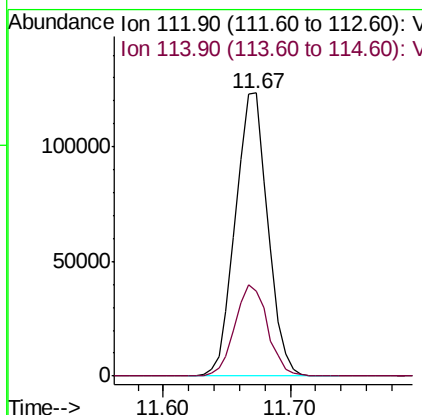
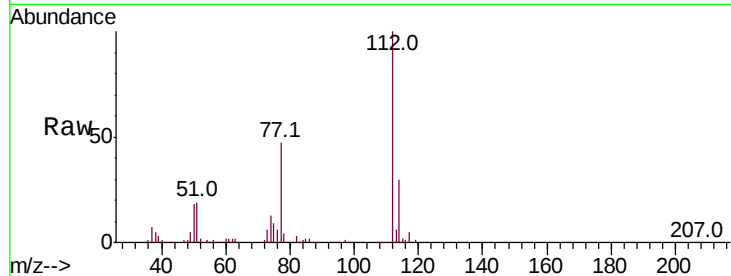




#65
Chlorobenzene
Concen: 49.488 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

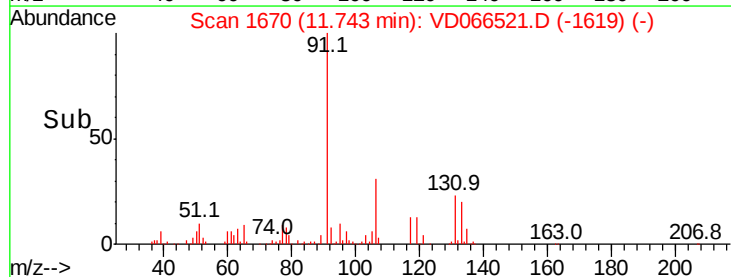
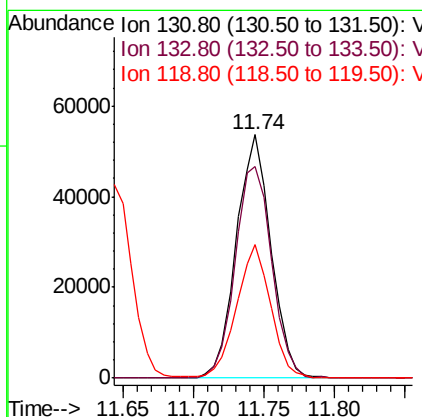
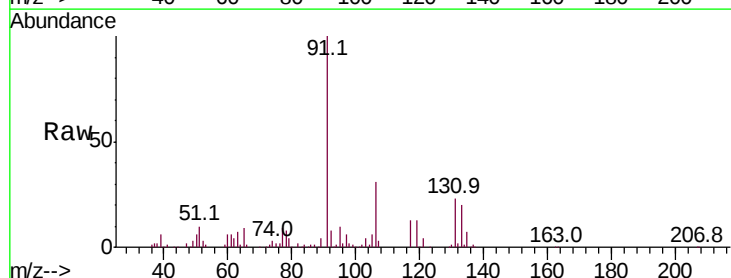
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

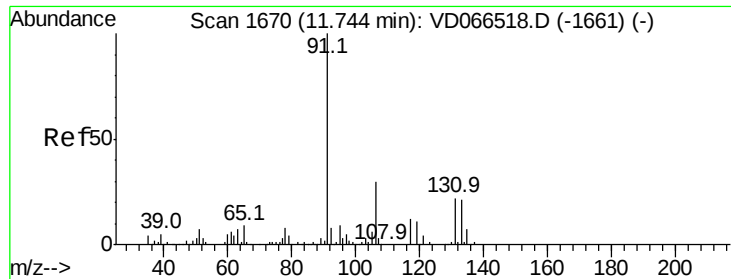
Tot Ion:112 Resp: 219021
Ion Ratio Lower Upper
112 100
114 30.0 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 49.072 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion:131 Resp: 91888
Ion Ratio Lower Upper
131 100
133 92.1 47.5 142.5
119 54.1 27.2 81.6

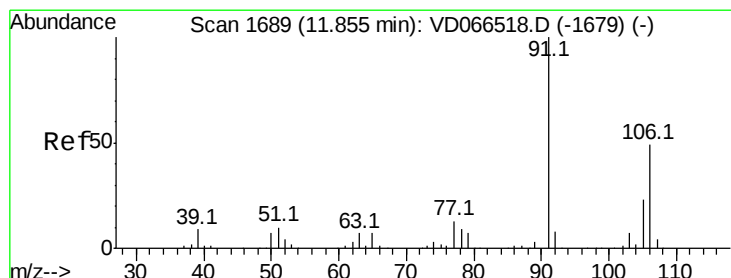
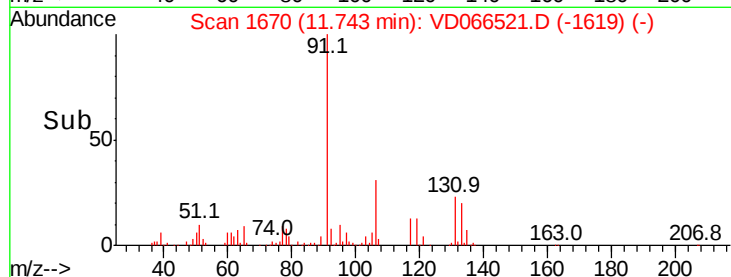
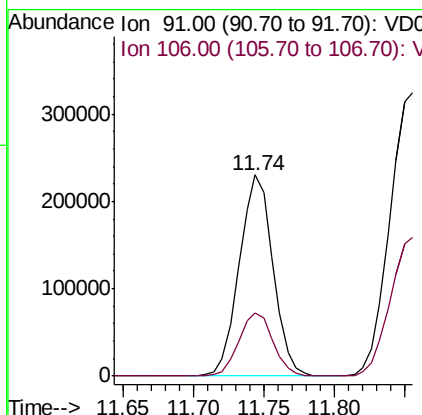
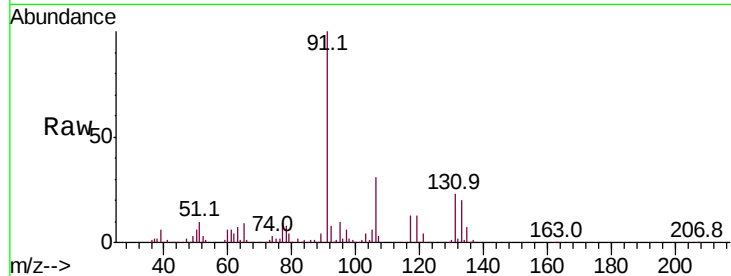




#67
Ethyl Benzene
Concen: 49.375 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

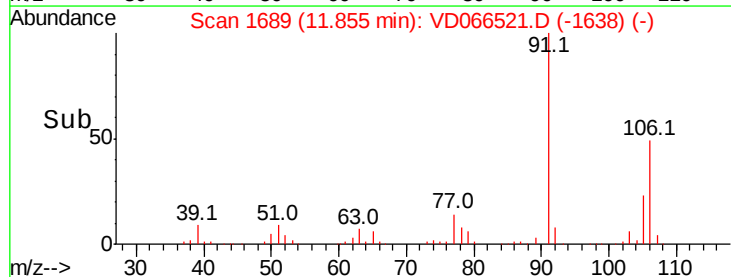
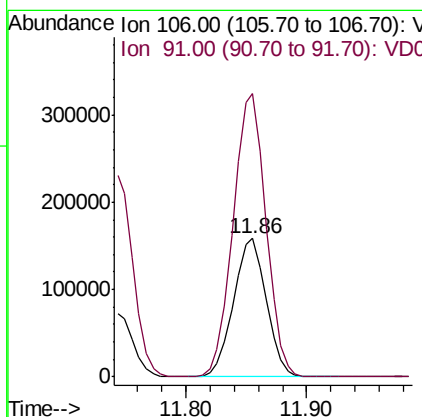
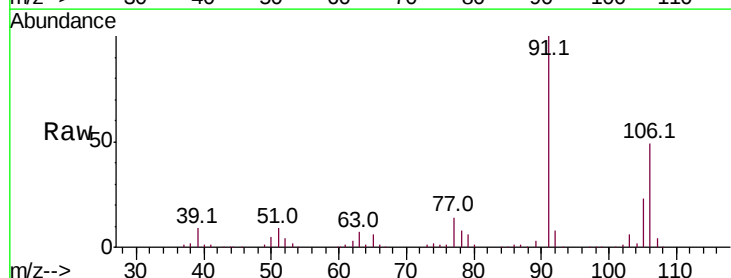
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

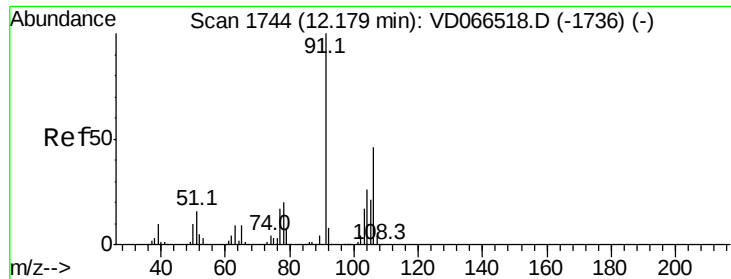
Tot Ion: 91 Resp: 384933
Ion Ratio Lower Upper
91 100
106 31.4 24.0 36.0



#68
m/p-Xylenes
Concen: 99.364 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 106 Resp: 299717
Ion Ratio Lower Upper
106 100
91 205.0 163.3 244.9

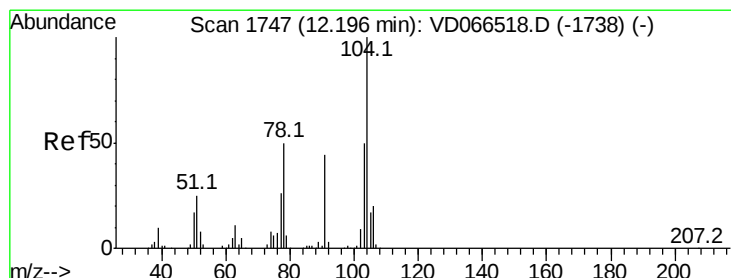
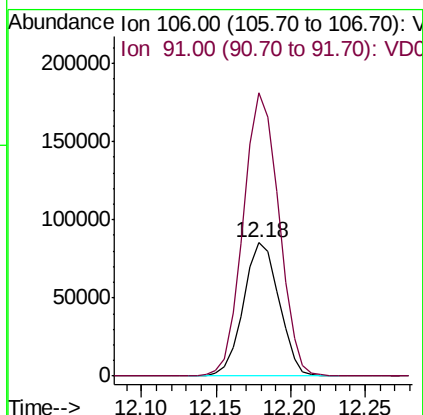
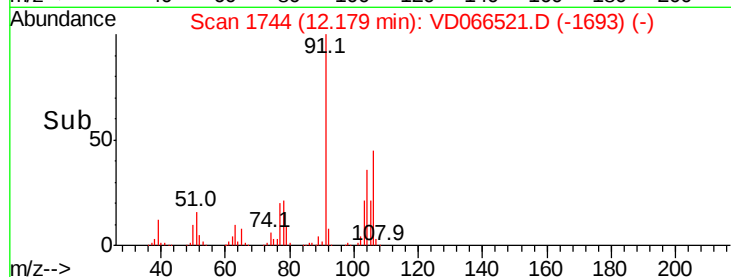
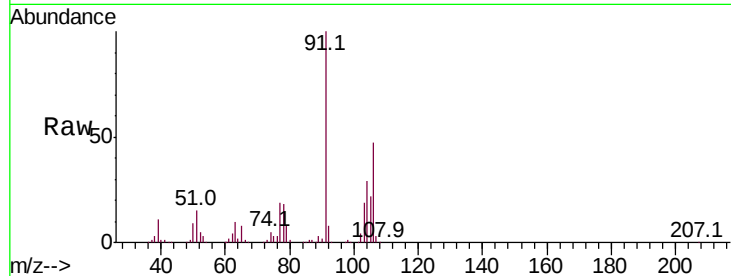




#69
o-Xylene
Concen: 49.422 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

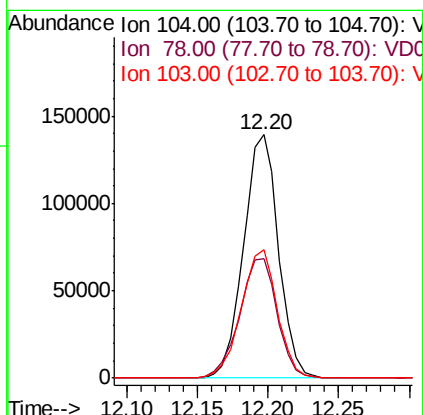
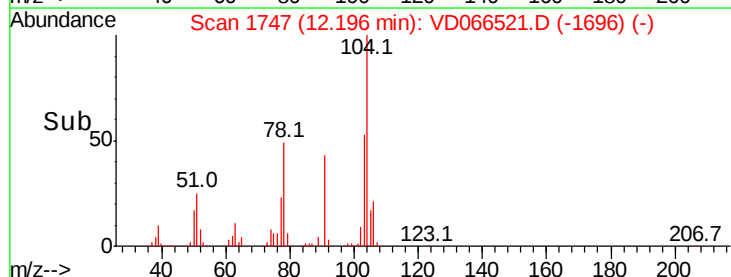
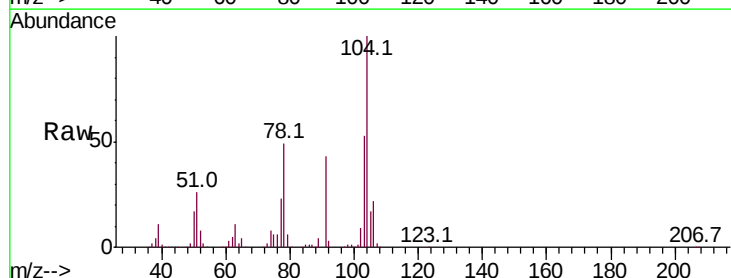
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

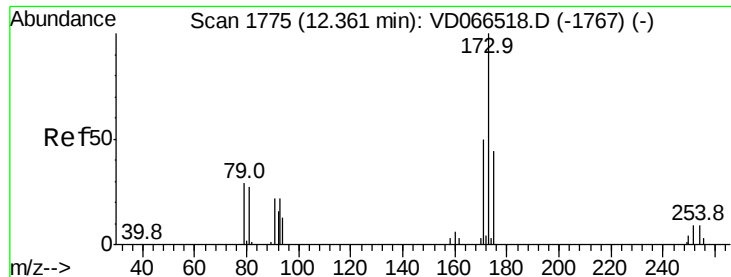
Tot Ion:106 Resp: 141211
Ion Ratio Lower Upper
106 100
91 212.2 108.7 326.3



#70
Styrene
Concen: 49.387 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion:104 Resp: 241587
Ion Ratio Lower Upper
104 100
78 52.9 44.3 66.5
103 54.5 44.1 66.1





#71

Bromoform

Concen: 49.320 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

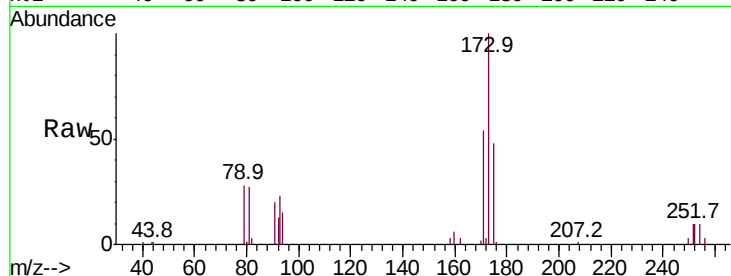
Tot Ion:173 Resp: 50656

Ion Ratio Lower Upper

173 100

175 48.0 22.3 66.8

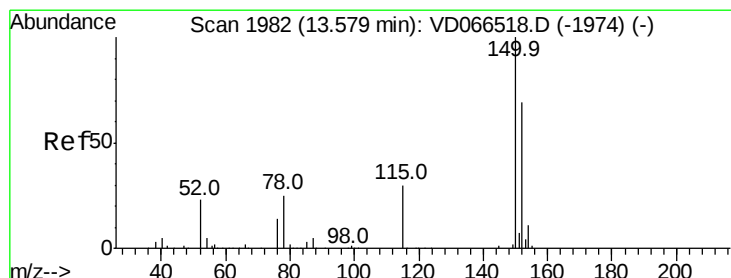
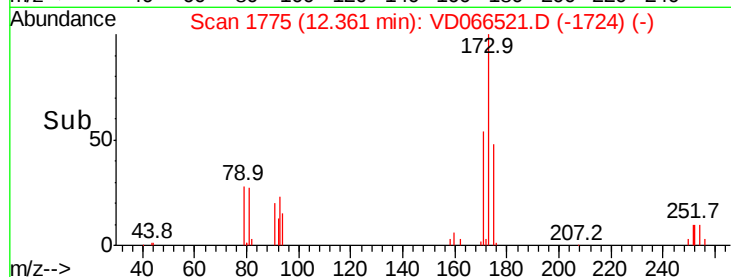
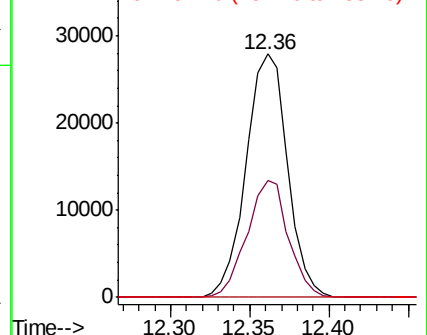
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

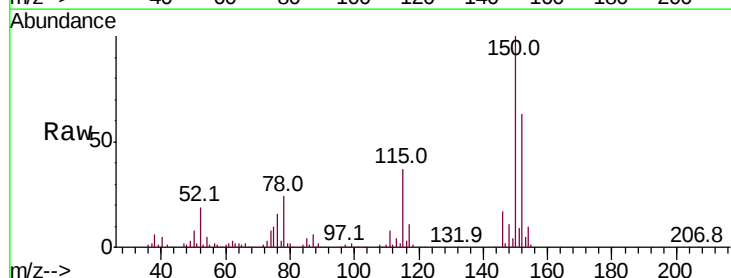
Tgt Ion:152 Resp: 118860

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.8

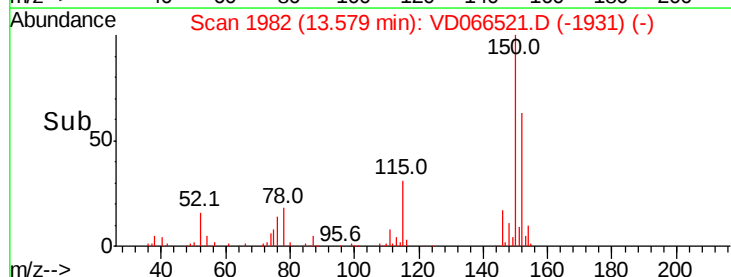
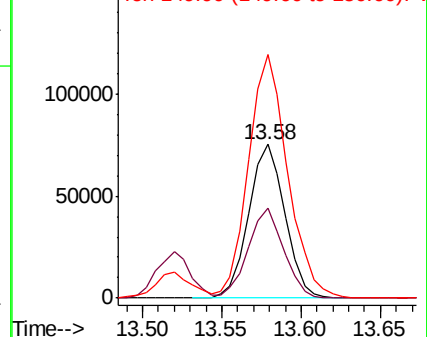
150 172.3 0.0 339.6

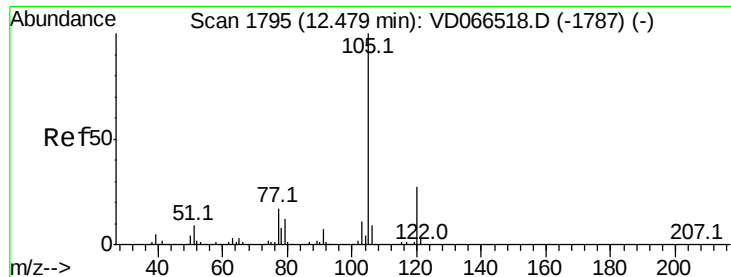


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.420 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

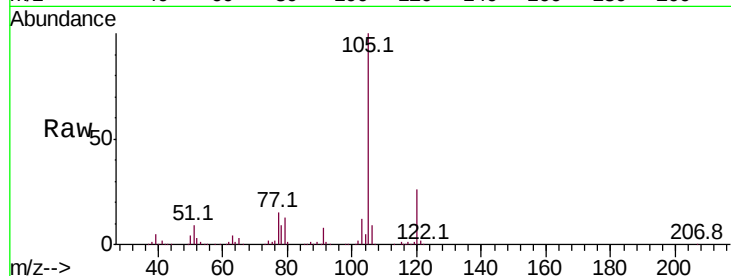
ICVVD090220

Tot Ion:105 Resp: 400451

Ion Ratio Lower Upper

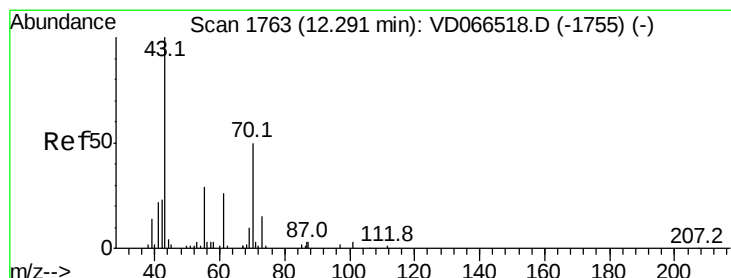
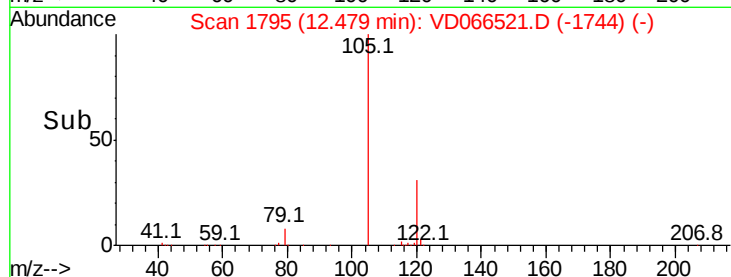
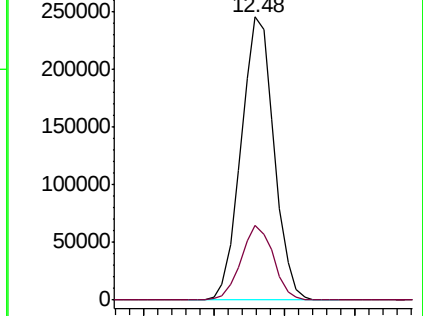
105 100

120 26.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.658 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion: 43 Resp: 59469

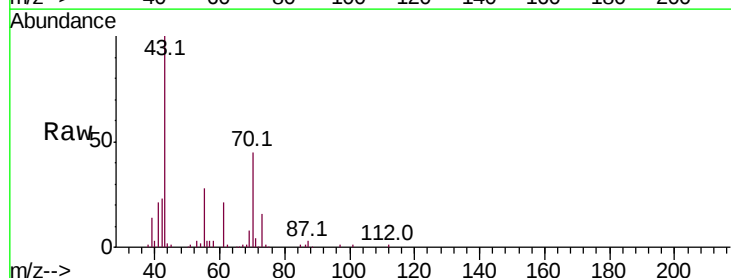
Ion Ratio Lower Upper

43 100

70 47.5 36.2 54.2

55 25.6 20.6 30.8

61 24.6 19.5 29.3

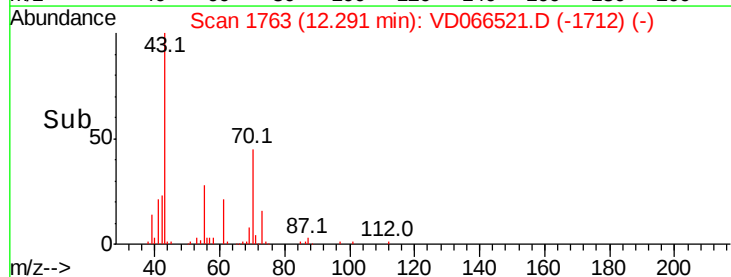
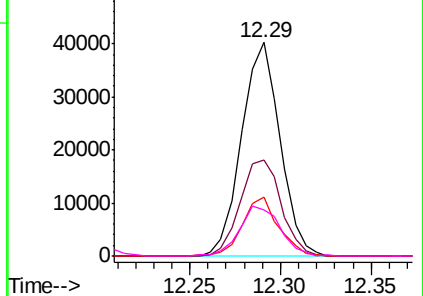


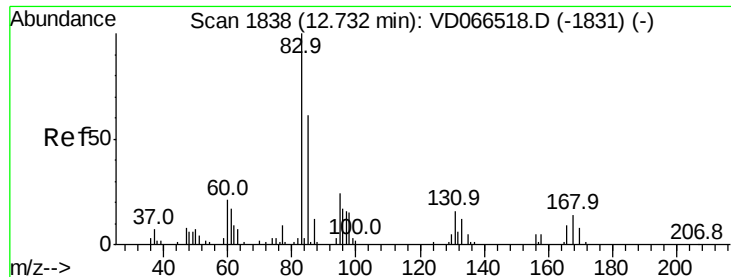
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.356 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

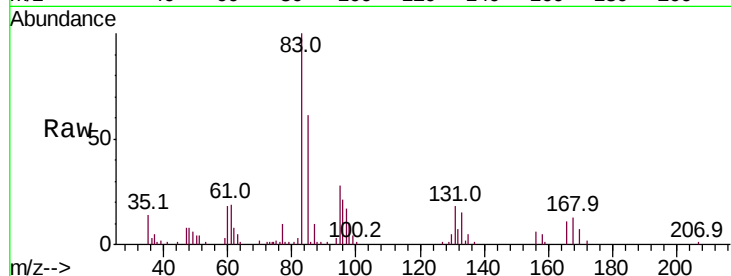
Tot Ion: 83 Resp: 47260

Ion Ratio Lower Upper

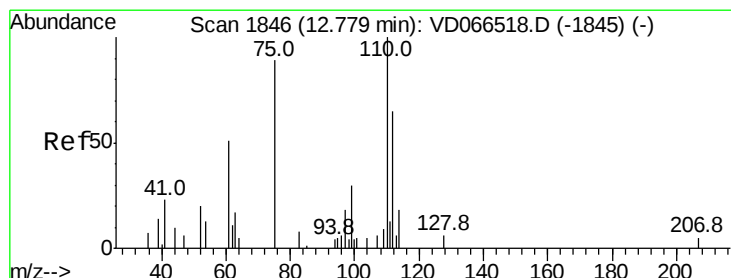
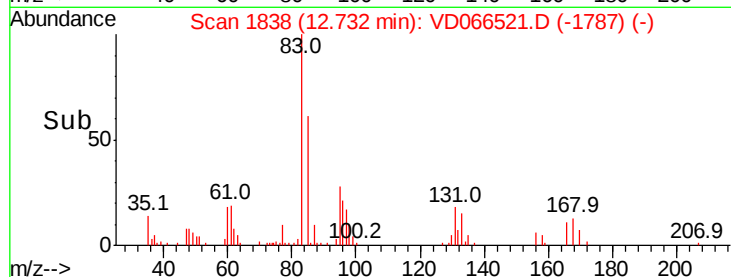
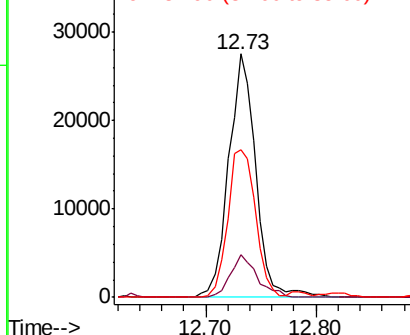
83 100

131 17.3 8.3 24.9

85 62.5 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 103.158 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066521.D

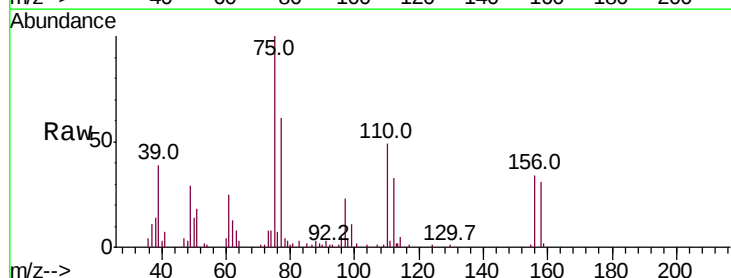
Acq: 02 Sep 2020 14:32

Tgt Ion: 75 Resp: 77132

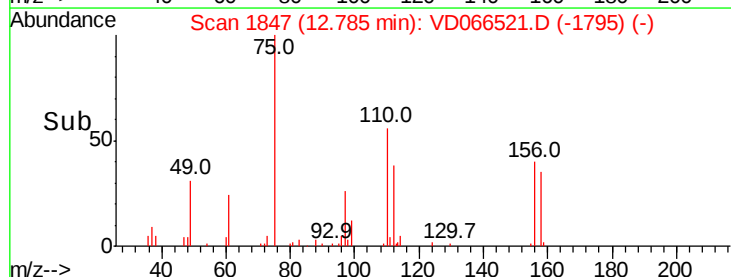
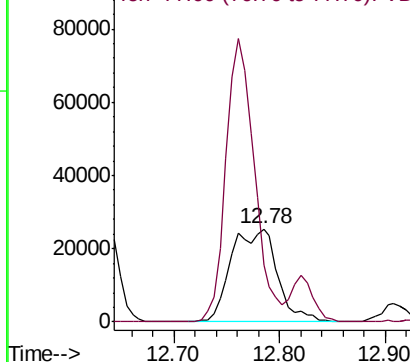
Ion Ratio Lower Upper

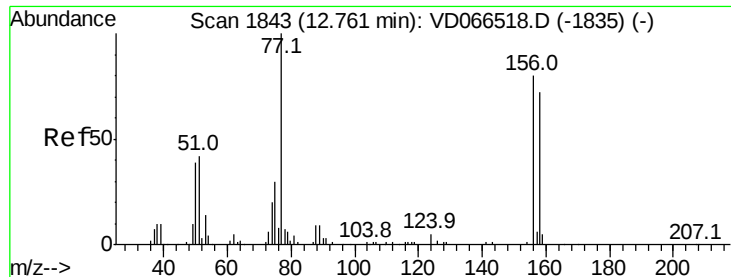
75 100

77 0.0 196.9 590.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.204 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

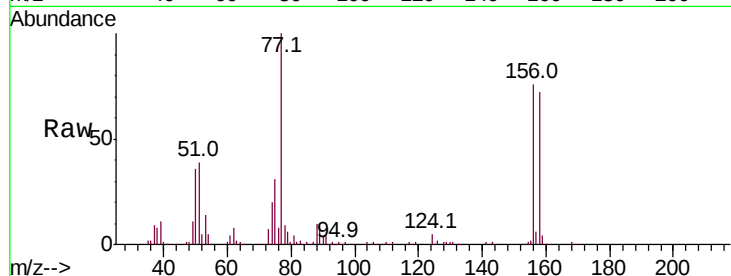
Tot Ion:156 Resp: 99170

Ion Ratio Lower Upper

156 100

77 145.5 71.0 213.2

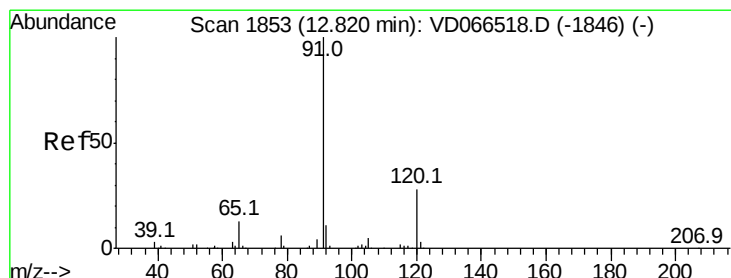
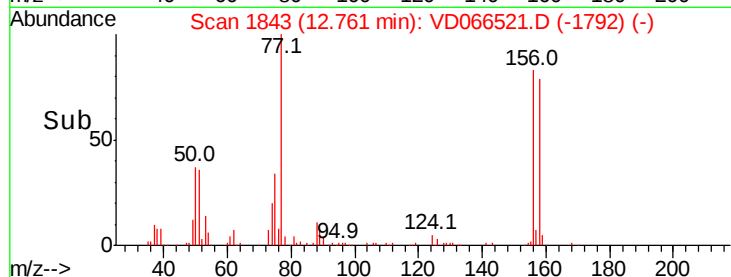
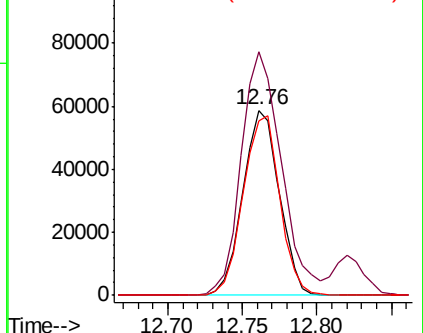
158 97.3 49.5 148.7



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: 50.057 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066521.D

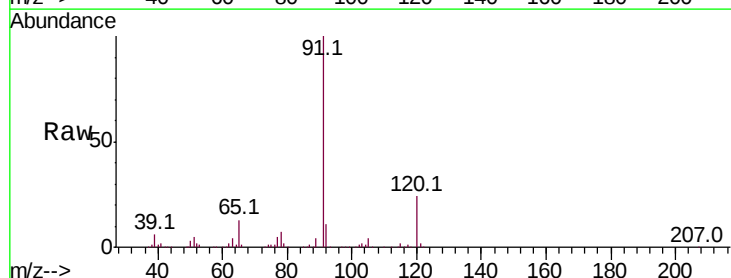
Acq: 02 Sep 2020 14:32

Tgt Ion: 91 Resp: 433224

Ion Ratio Lower Upper

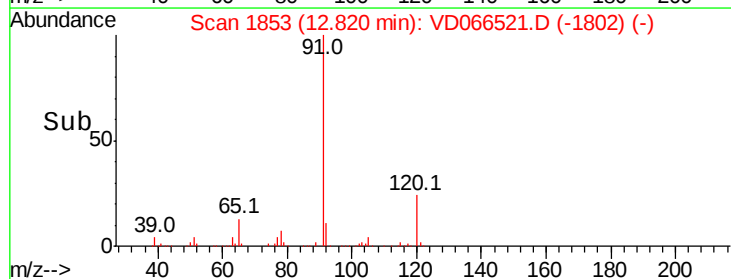
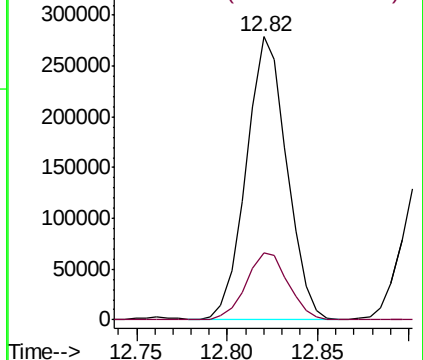
91 100

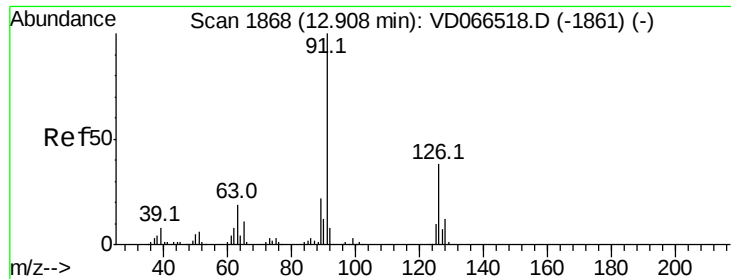
120 24.6 13.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.554 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

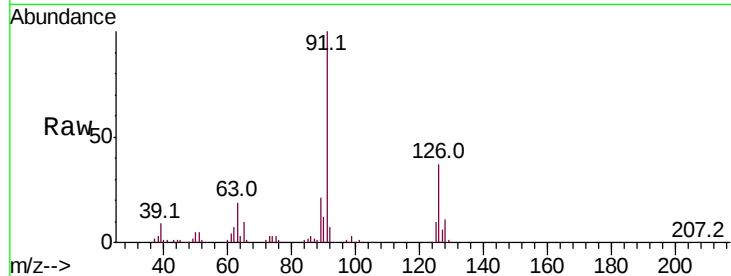
ICVVD090220

Tot Ion: 91 Resp: 248145

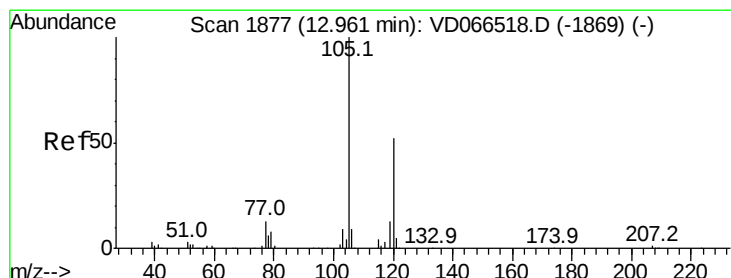
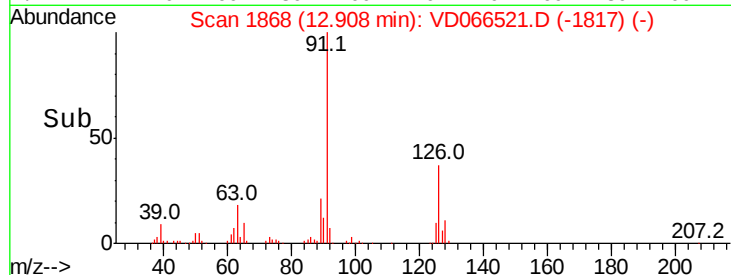
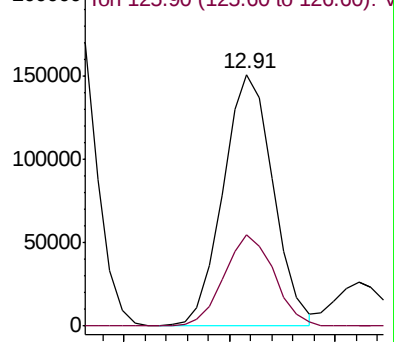
Ion Ratio Lower Upper

91 100

126 36.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VD066521.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.048 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066521.D

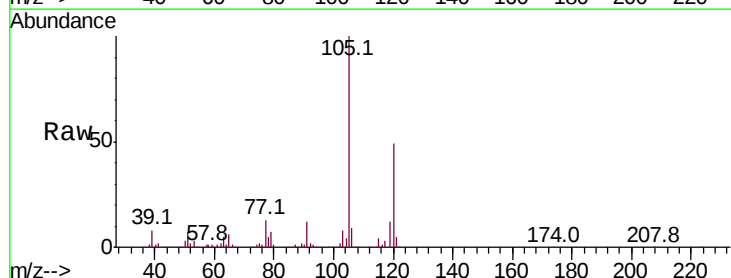
Acq: 02 Sep 2020 14:32

Tgt Ion:105 Resp: 345584

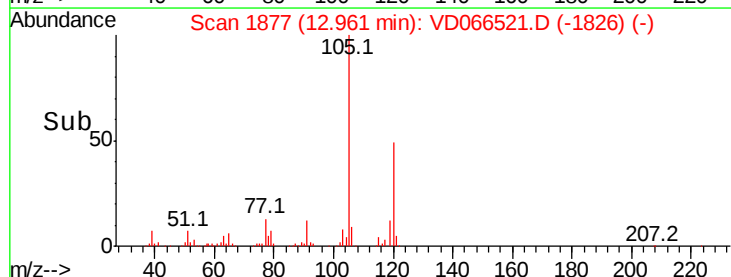
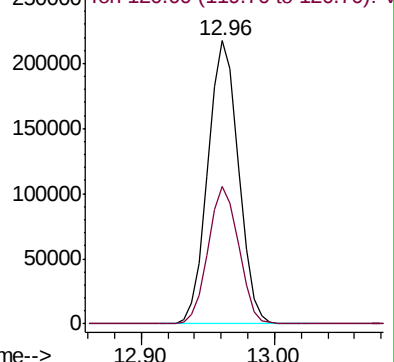
Ion Ratio Lower Upper

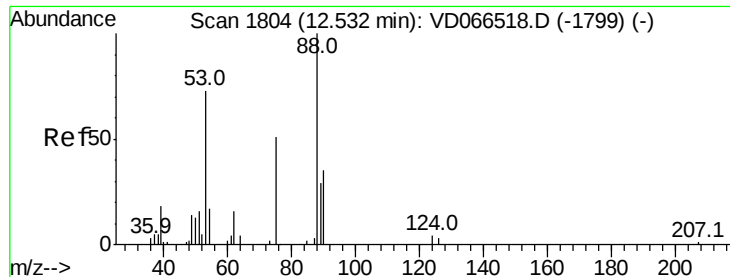
105 100

120 48.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VD066521.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.070 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

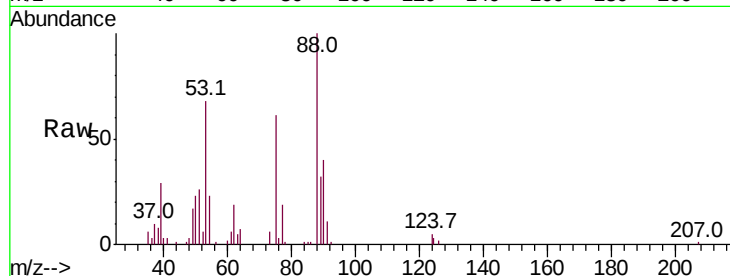
Tot Ion: 75 Resp: 17483

Ion Ratio Lower Upper

75 100

53 126.0 101.8 152.8

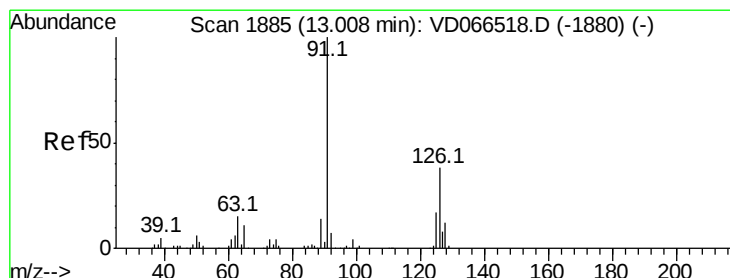
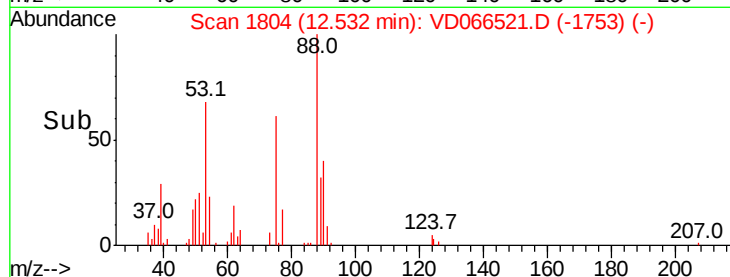
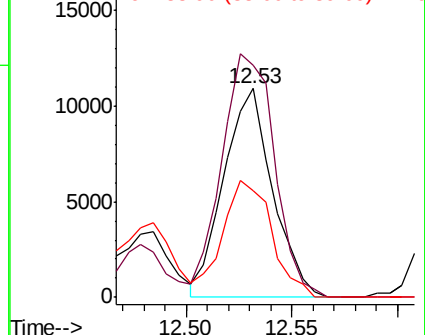
89 56.5 46.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.326 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066521.D

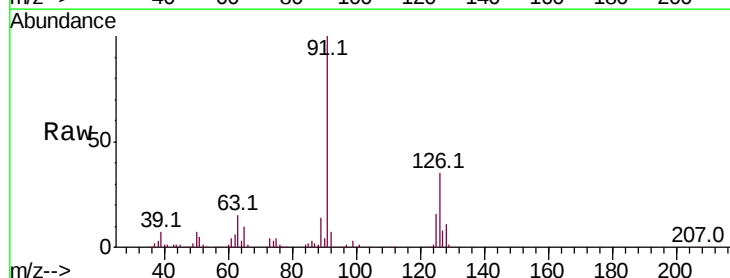
Acq: 02 Sep 2020 14:32

Tgt Ion: 91 Resp: 265311

Ion Ratio Lower Upper

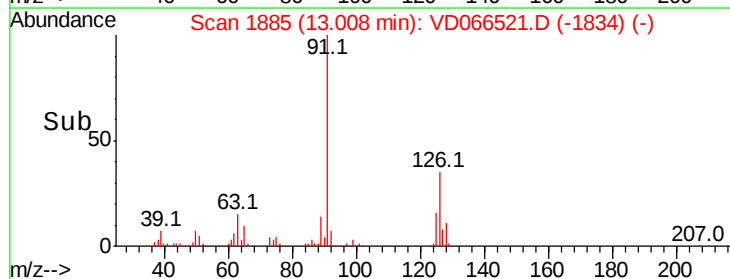
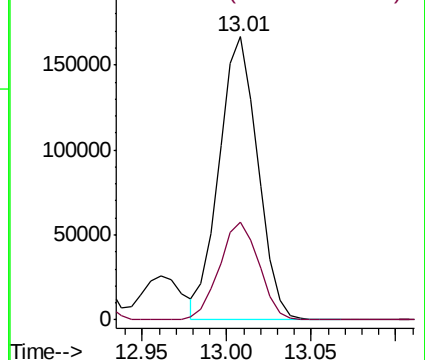
91 100

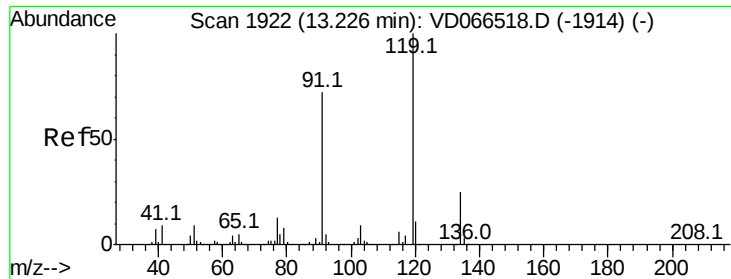
126 35.4 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.226 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

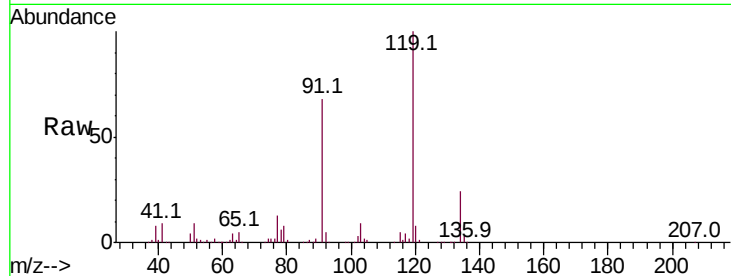
Tot Ion:119 Resp: 298134

Ion Ratio Lower Upper

119 100

91 69.2 34.4 103.2

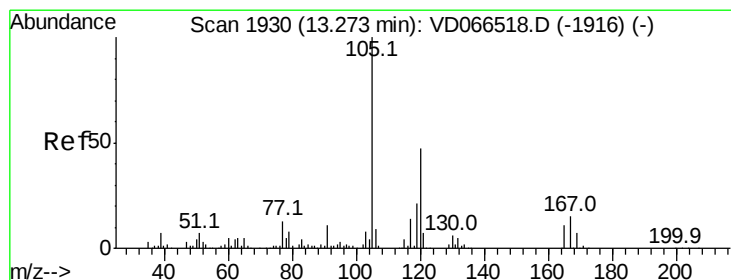
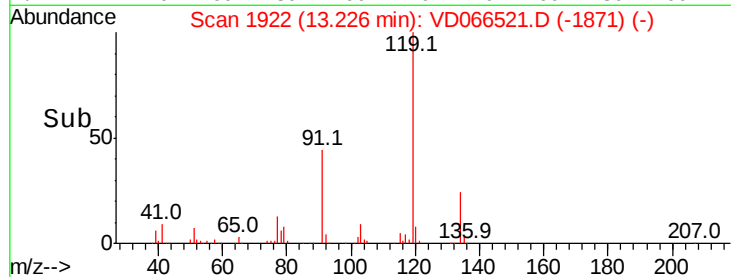
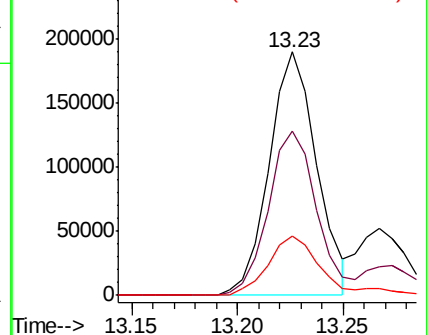
134 25.4 13.5 40.4



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: 49.903 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066521.D

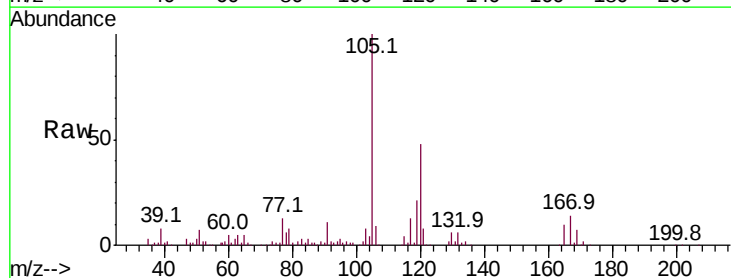
Acq: 02 Sep 2020 14:32

Tgt Ion:105 Resp: 344636

Ion Ratio Lower Upper

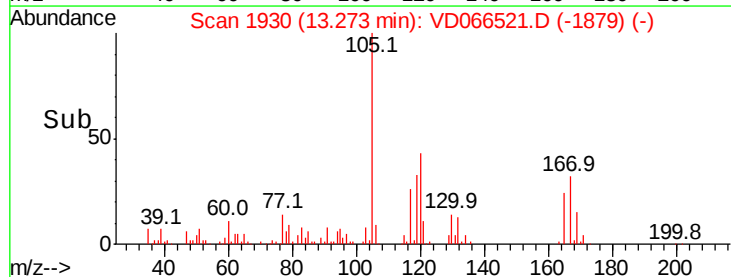
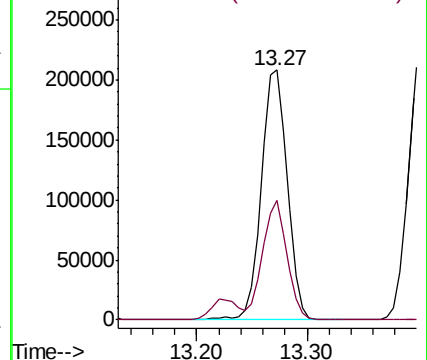
105 100

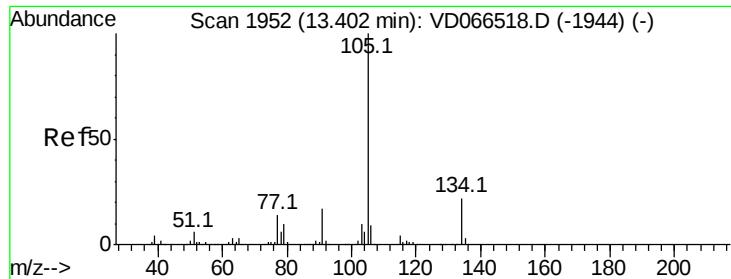
120 44.8 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.333 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

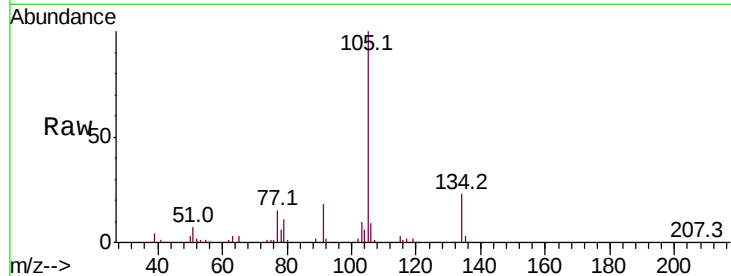
ICVVD090220

Tot Ion:105 Resp: 378513

Ion Ratio Lower Upper

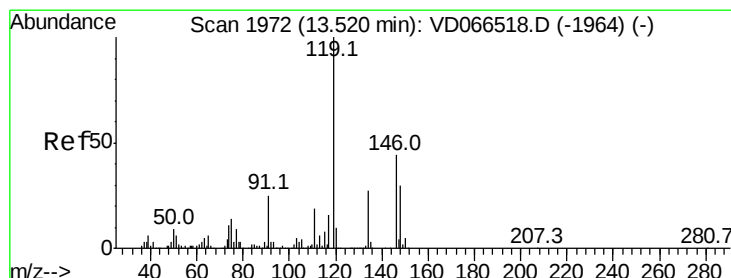
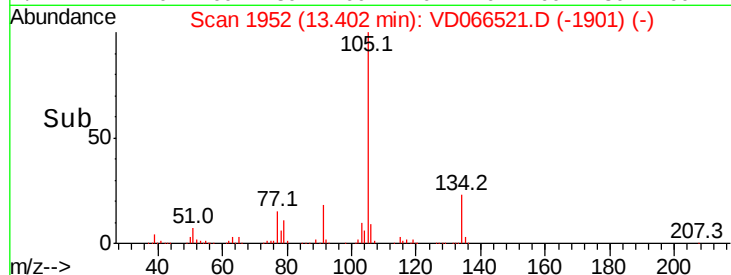
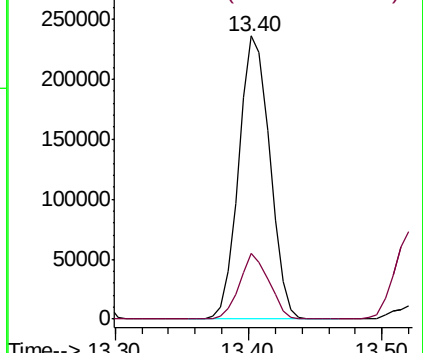
105 100

134 22.3 11.5 34.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.757 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

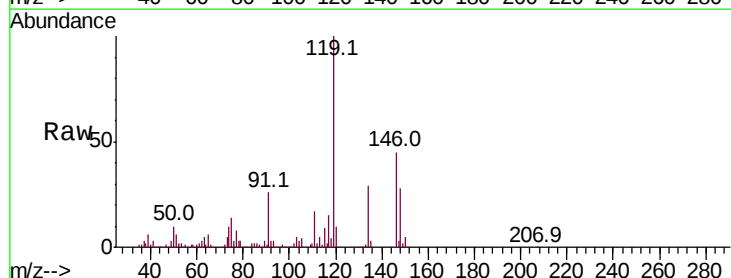
Tgt Ion:119 Resp: 381579

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.4

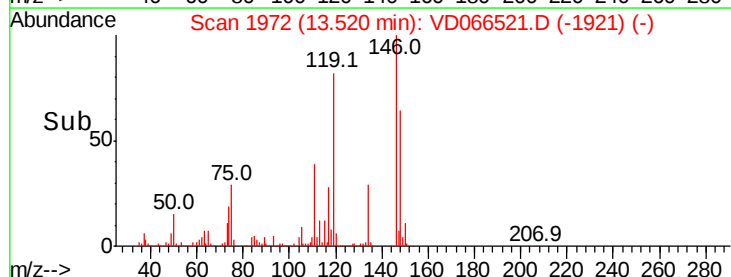
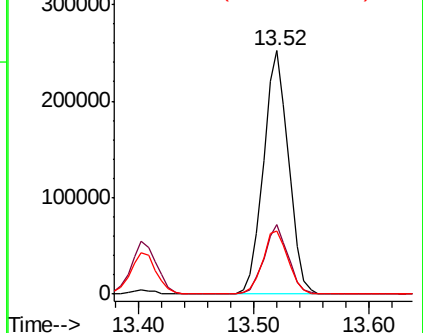
91 26.4 13.0 39.0

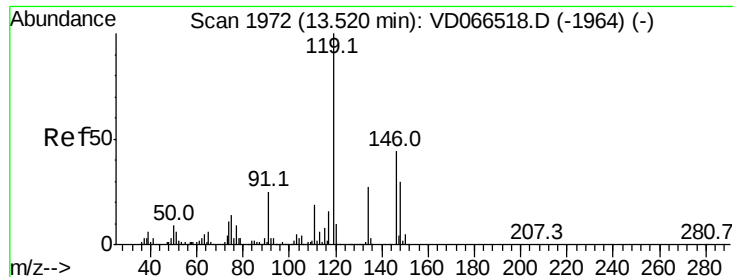


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.466 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

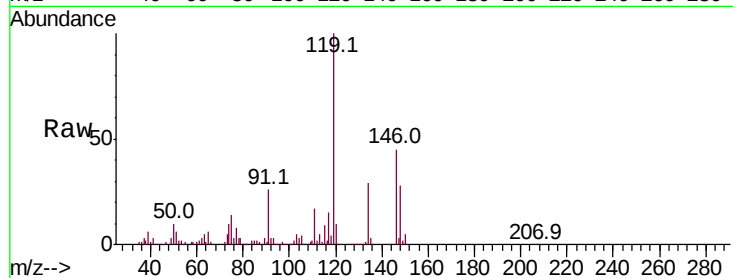
Tot Ion:146 Resp: 184904

Ion Ratio Lower Upper

146 100

111 38.5 20.3 61.0

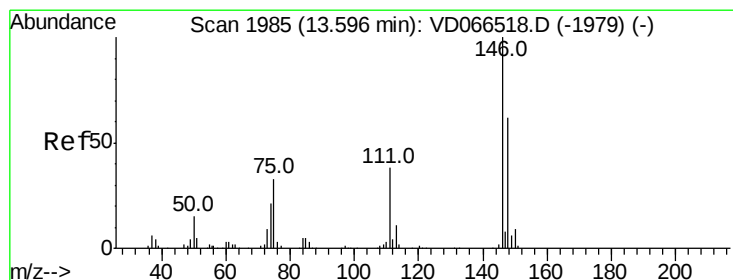
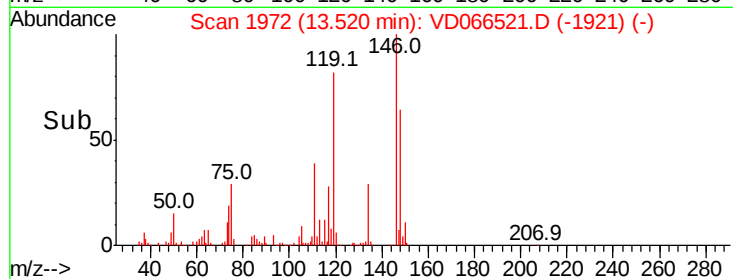
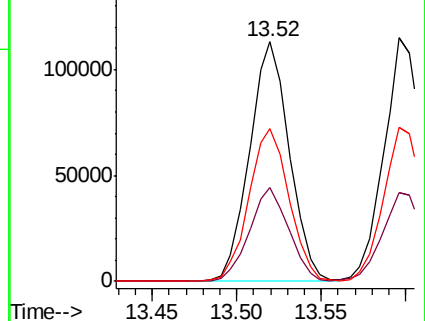
148 64.3 32.3 96.9



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



#88

1,4-Dichlorobenzene

Concen: 48.311 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

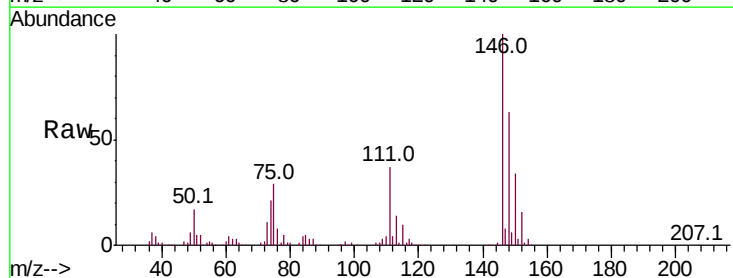
Tgt Ion:146 Resp: 182690

Ion Ratio Lower Upper

146 100

111 38.4 18.4 55.4

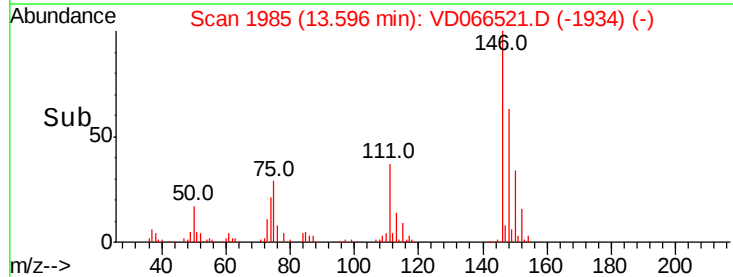
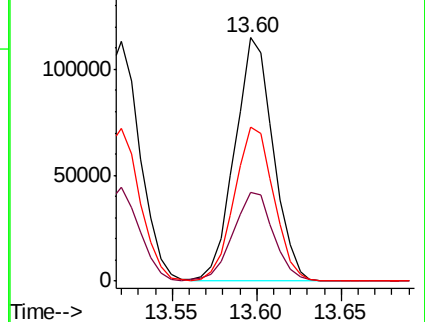
148 64.8 31.5 94.5

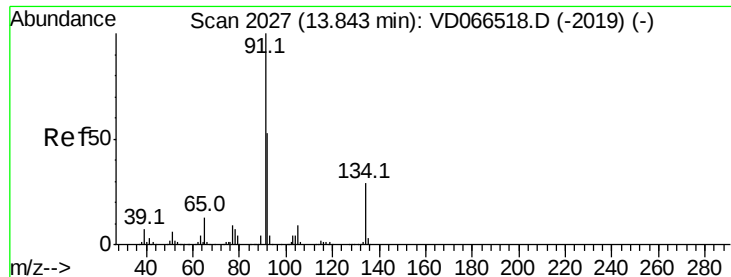


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

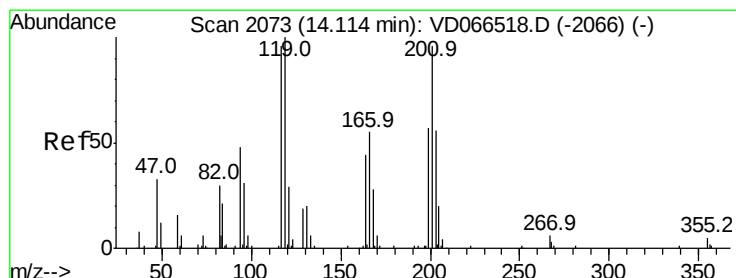
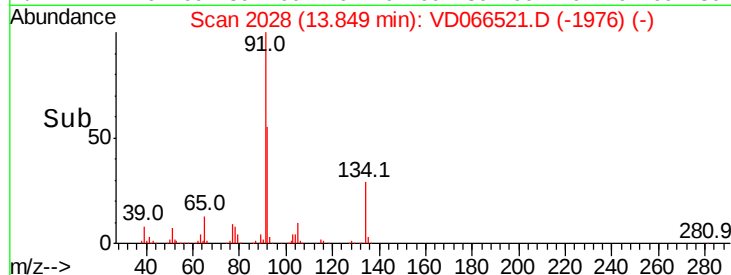
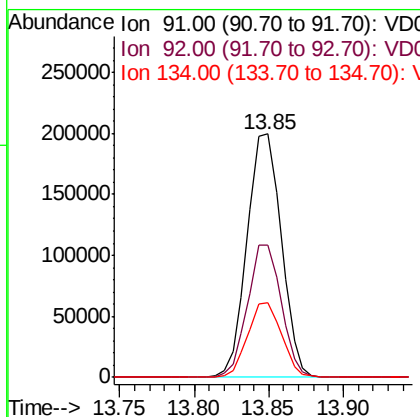
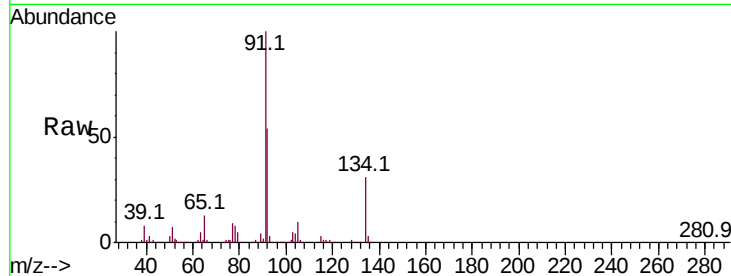




#89
n-Butylbenzene
Concen: 49.418 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

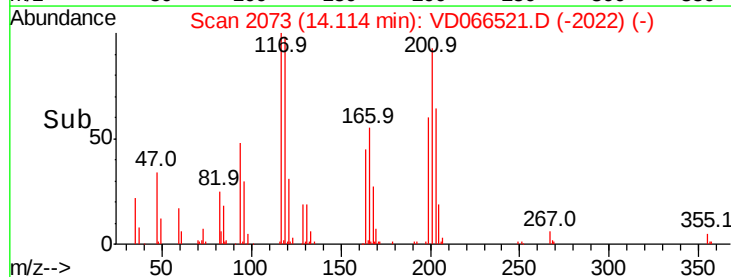
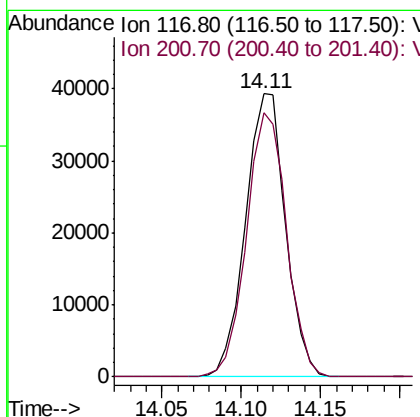
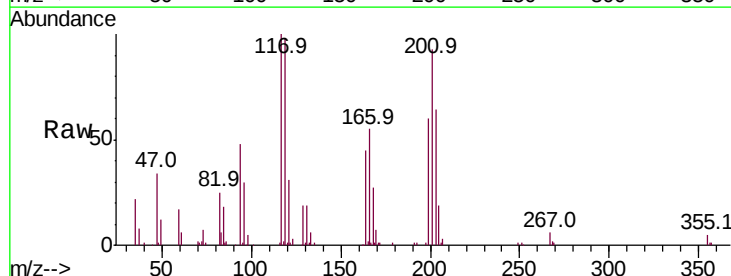
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

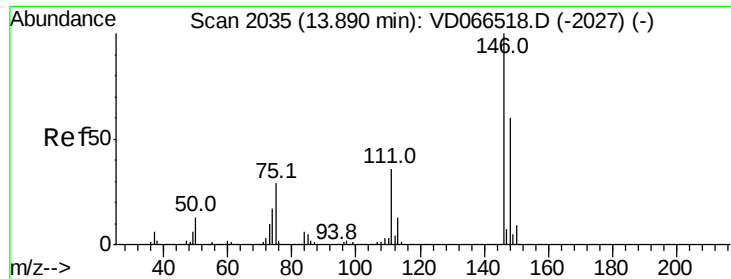
Tot Ion: 91 Resp: 317441
Ion Ratio Lower Upper
91 100
92 53.6 26.9 80.7
134 30.4 15.0 45.1



#90
Hexachloroethane
Concen: 50.119 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 117 Resp: 68974
Ion Ratio Lower Upper
117 100
201 93.2 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 48.978 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

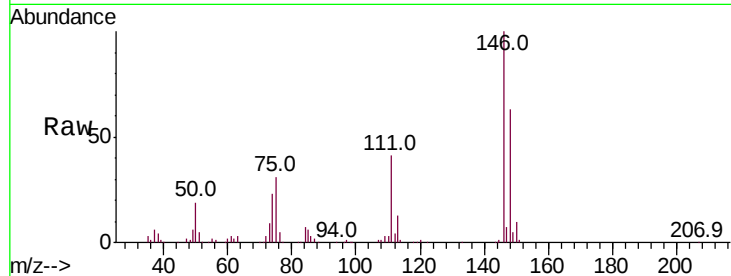
Tot Ion:146 Resp: 159245

Ion Ratio Lower Upper

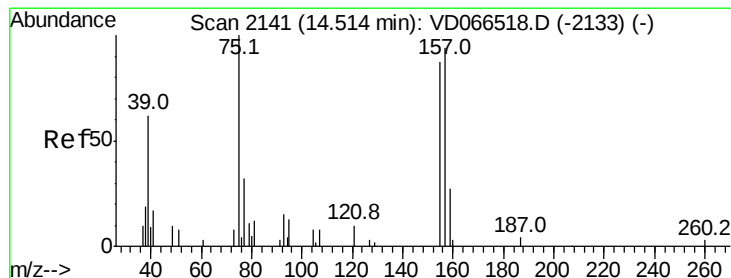
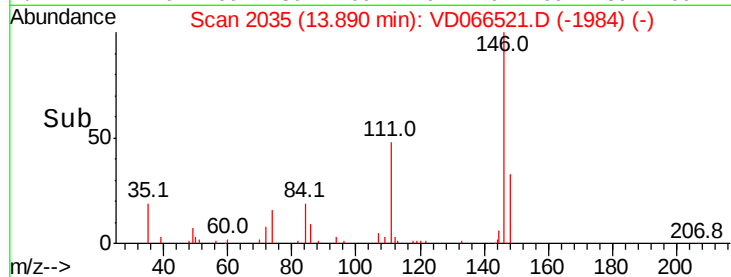
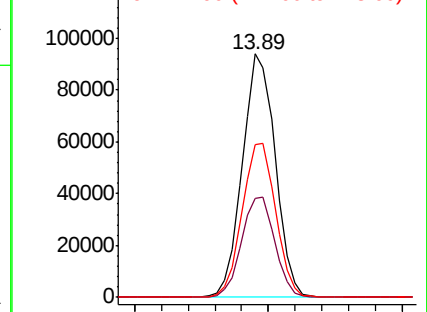
146 100

111 41.6 20.1 60.2

148 64.7 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: 46.623 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

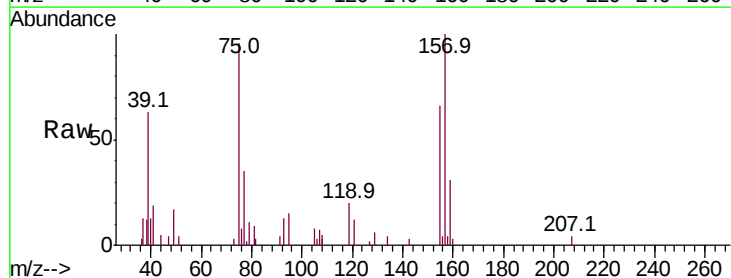
Tgt Ion: 75 Resp: 11572

Ion Ratio Lower Upper

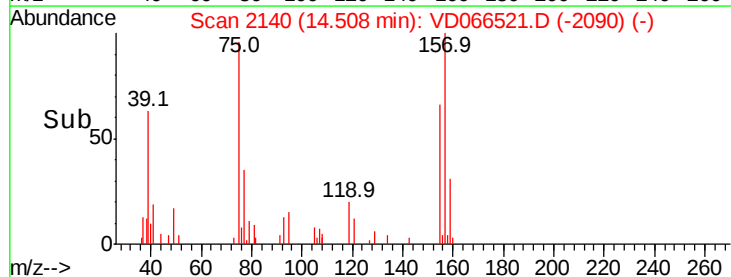
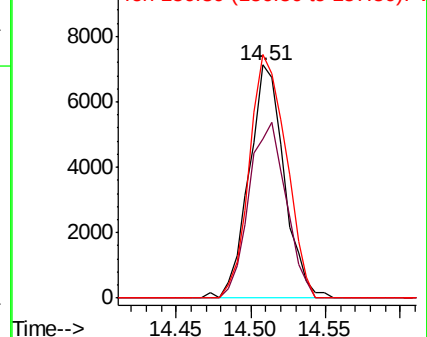
75 100

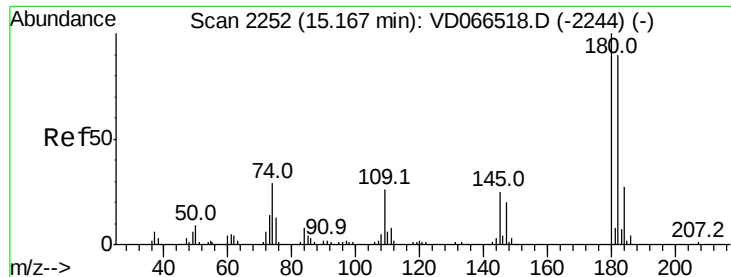
155 79.7 40.8 122.5

157 109.1 49.3 147.8



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

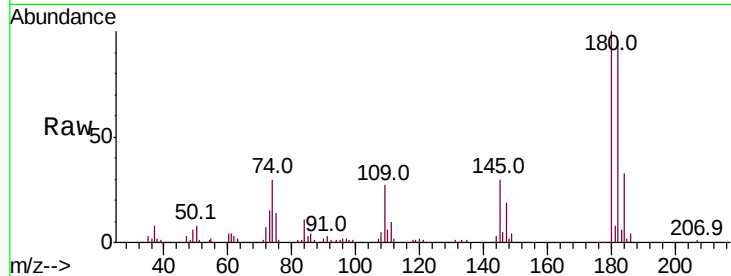




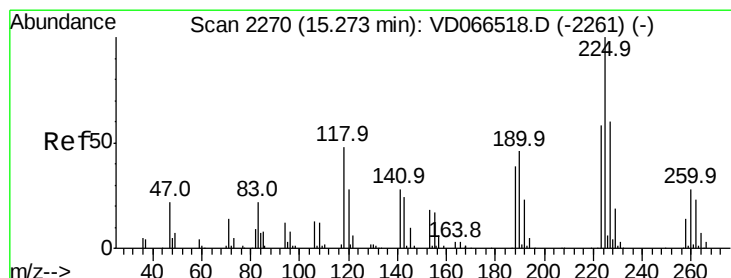
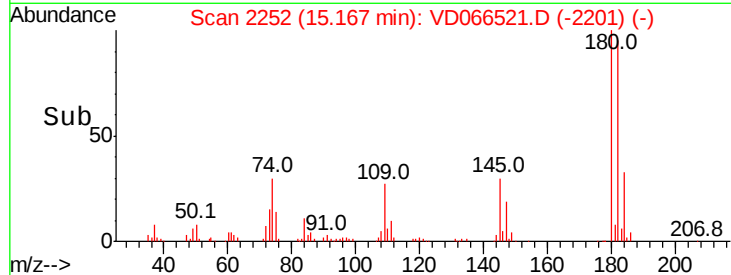
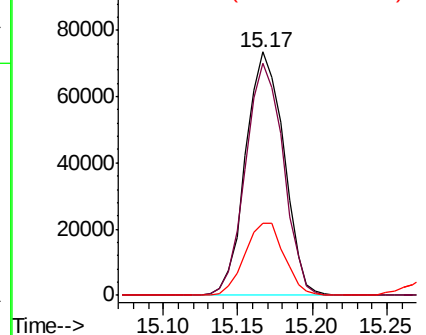
#93
 1,2,4-Trichlorobenzene
 Concen: 50.770 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.6
145	30.6	15.0	45.1

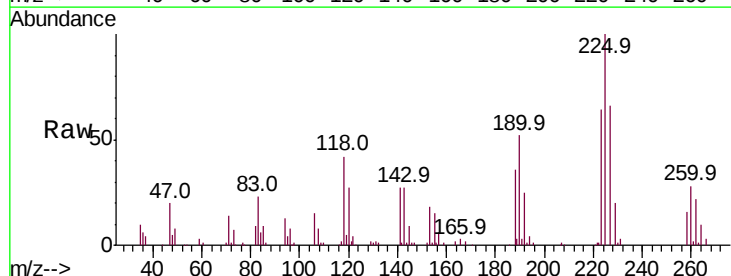


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

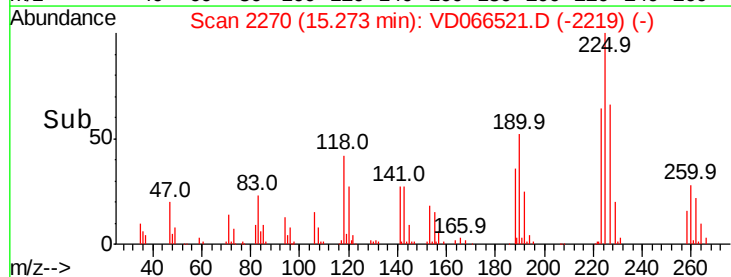
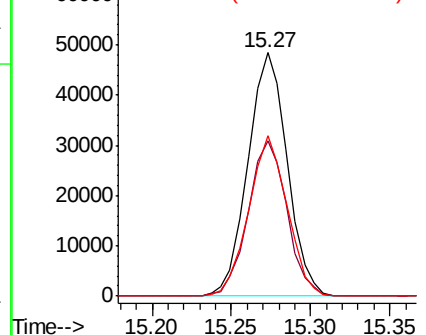


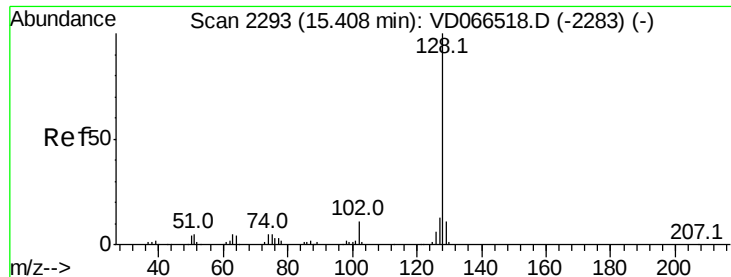
#94
 Hexachlorobutadiene
 Concen: 50.186 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	94.7
227	64.4	31.4	94.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.724 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

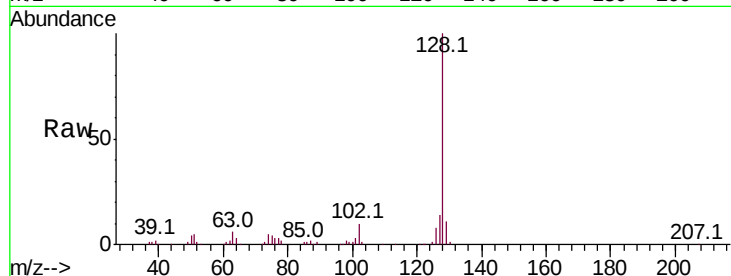
Tot Ion:128 Resp: 202346

Ion Ratio Lower Upper

128 100

127 13.6 11.1 16.7

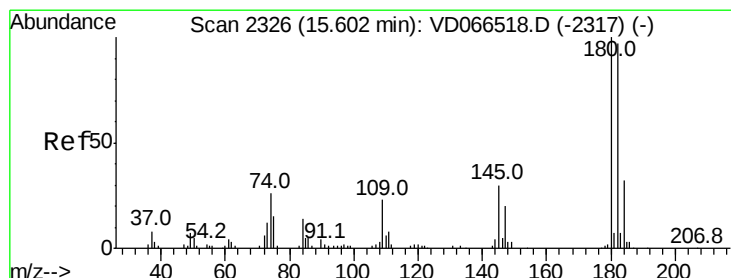
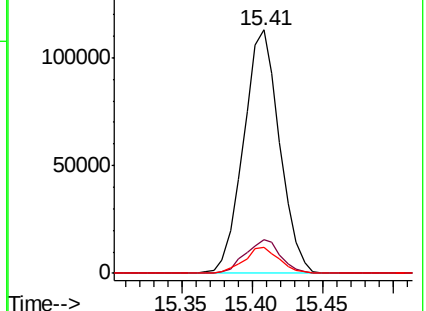
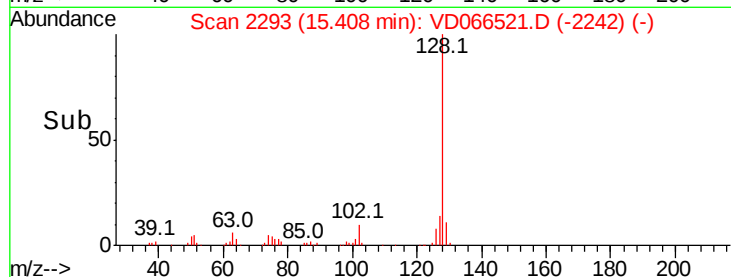
129 10.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.138 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

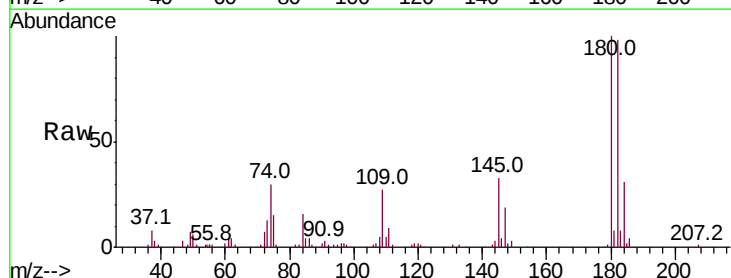
Tgt Ion:180 Resp: 108962

Ion Ratio Lower Upper

180 100

182 97.9 47.5 142.5

145 31.7 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

