

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051320\
 Data File : VD065732.D
 Acq On : 13 May 2020 14:54
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD051320

Quant Time: May 13 16:32:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	396084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	582718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	504207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244243	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	145587	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	7.91	113	153845	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	10.34	98	608135	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.64	95	199274	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	135397	52.103	ug/l	100
3) Chloromethane	2.21	50	184402	49.512	ug/l	98
4) Vinyl Chloride	2.35	62	206138	51.115	ug/l	98
5) Bromomethane	2.77	94	131306	49.279	ug/l	98
6) Chloroethane	2.93	64	130389	49.848	ug/l	100
7) Trichlorofluoromethane	3.27	101	287776	51.617	ug/l	93
8) Diethyl Ether	3.71	74	76204	47.570	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	174741	50.991	ug/l	99
10) Methyl Iodide	4.30	142	174460	48.734	ug/l	99
11) Tert butyl alcohol	5.21	59	56669	214.002	ug/l	100
12) 1,1-Dichloroethene	4.07	96	168182	51.743	ug/l	97
13) Acrolein	3.92	56	37622	210.611	ug/l	99
14) Allyl chloride	4.71	41	272153	48.427	ug/l	99
15) Acrylonitrile	5.42	53	164868	232.967	ug/l	100
16) Acetone	4.16	43	171041	261.248	ug/l	99
17) Carbon Disulfide	4.40	76	513341	50.005	ug/l	100
18) Methyl Acetate	4.71	43	72624	47.313	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	353701	46.644	ug/l	100
20) Methylene Chloride	4.96	84	168073	45.503	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	183644	49.073	ug/l	98
22) Diisopropyl ether	6.36	45	514696	48.106	ug/l	94
23) Vinyl Acetate	6.30	43	1518066	241.231	ug/l	99
24) 1,1-Dichloroethane	6.26	63	307333	49.060	ug/l	98
25) 2-Butanone	7.21	43	220566	235.676	ug/l	94
26) 2,2-Dichloropropane	7.21	77	289193	49.738	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	197304	48.111	ug/l	99
28) Bromochloromethane	7.54	49	123014	47.761	ug/l	99
29) Tetrahydrofuran	7.56	42	136125	229.409	ug/l	99
30) Chloroform	7.71	83	309733	48.923	ug/l	99
31) Cyclohexane	7.98	56	303580	47.874	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	296709	50.030	ug/l	98
36) 1,1-Dichloropropene	8.11	75	259469	51.273	ug/l	99
37) Ethyl Acetate	7.30	43	99185	45.750	ug/l	99
38) Carbon Tetrachloride	8.10	117	277068	51.620	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	334027	51.505	ug/l	97
40) Benzene	8.35	78	695148	49.955	ug/l	100
41) Methacrylonitrile	7.53	41	58378	48.894	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	186874	48.231	ug/l	99
43) Isopropyl Acetate	8.45	43	201795	46.961	ug/l	100
44) Trichloroethene	9.11	130	207134	49.720	ug/l	98
45) 1,2-Dichloropropane	9.39	63	167320	48.768	ug/l	100
46) Dibromomethane	9.48	93	88240	47.696	ug/l	99
47) Bromodichloromethane	9.66	83	236170	48.770	ug/l	95
48) Methyl methacrylate	9.46	41	97360	48.269	ug/l	97
49) 1,4-Dioxane	9.46	88	19599	897.854	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	478123	232.512	ug/l	100
52) Toluene	10.40	92	455950	50.014	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	229877	48.591	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	271516	48.251	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	119696	47.493	ug/l	95
56) Ethyl methacrylate	10.66	69	158858	48.361	ug/l	97
57) 1,3-Dichloropropane	10.95	76	209452	47.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	361724	236.697	ug/l	99
59) 2-Hexanone	10.98	43	338218	241.530	ug/l	99
60) Dibromochloromethane	11.14	129	162934	48.277	ug/l	98
61) 1,2-Dibromoethane	11.25	107	119644	47.532	ug/l	98
64) Tetrachloroethene	10.88	164	175068	50.213	ug/l	99
65) Chlorobenzene	11.67	112	474199	49.909	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	177015	49.762	ug/l	99
67) Ethyl Benzene	11.75	91	874753	51.634	ug/l	98
68) m/p-Xylenes	11.86	106	664752	102.736	ug/l	99
69) o-Xylene	12.18	106	307161	50.994	ug/l	98
70) Styrene	12.20	104	517817	50.373	ug/l	99
71) Bromoform	12.37	173	97132	49.474	ug/l #	100
73) Isopropylbenzene	12.48	105	851595	51.936	ug/l	100
74) N-amyl acetate	12.29	43	184595	48.488	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	128597	49.551	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	78447m	43.036	ug/l	
77) Bromobenzene	12.77	156	201938	51.094	ug/l	97
78) n-propylbenzene	12.83	91	989604	51.666	ug/l	100
79) 2-Chlorotoluene	12.91	91	541193	51.065	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	693176	51.306	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	45765	49.256	ug/l	98
82) 4-Chlorotoluene	13.01	91	567922	50.828	ug/l	99
83) tert-Butylbenzene	13.23	119	620612	51.803	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	684658	51.385	ug/l	99
85) sec-Butylbenzene	13.41	105	856623	52.548	ug/l	100
86) p-Isopropyltoluene	13.53	119	788743	52.639	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	376761	50.826	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	366170	49.592	ug/l	98
89) n-Butylbenzene	13.85	91	742481	52.991	ug/l	100
90) Hexachloroethane	14.12	117	154873	52.832	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	322469	50.293	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20470	47.167	ug/l	99

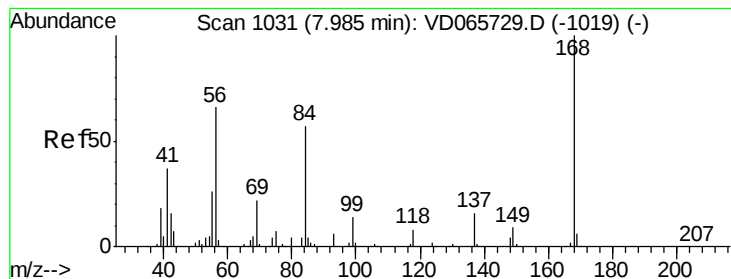
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051320\
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Quant Title : SW846 8260
QLast Update : Wed May 13 14:28:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	252148	51.694	ug/l	99
94) Hexachlorobutadiene	15.28	225	153863	52.614	ug/l	99
95) Naphthalene	15.41	128	407049	50.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	212211	51.028	ug/l	99

(#) = 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. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

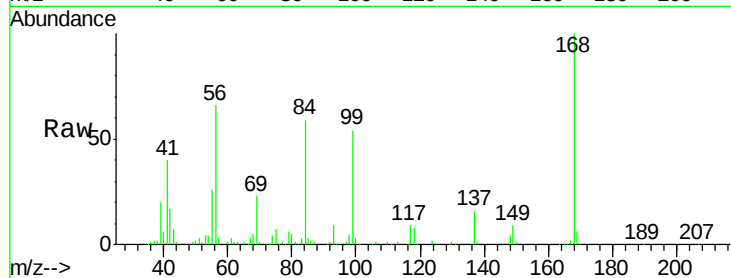
ICVVD051320

Tot Ion:168 Resp: 396084

Ion Ratio Lower Upper

168 100

99 54.0 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

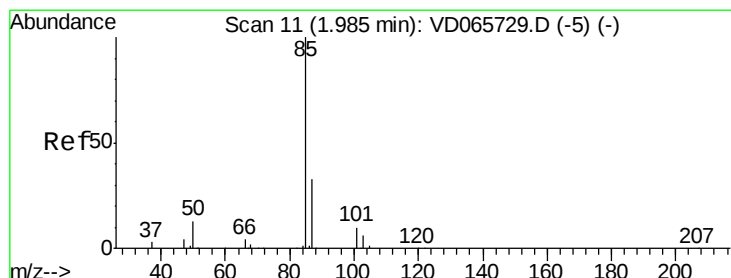
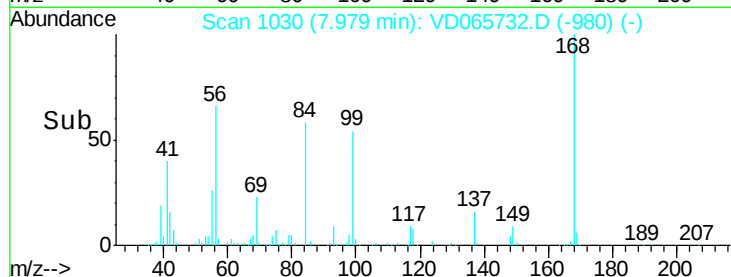
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.103 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065732.D

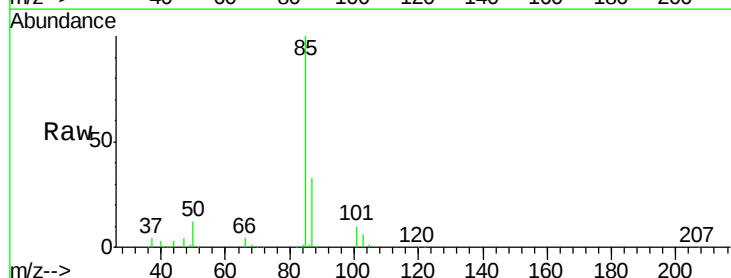
Acq: 13 May 2020 14:54

Tgt Ion: 85 Resp: 135397

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

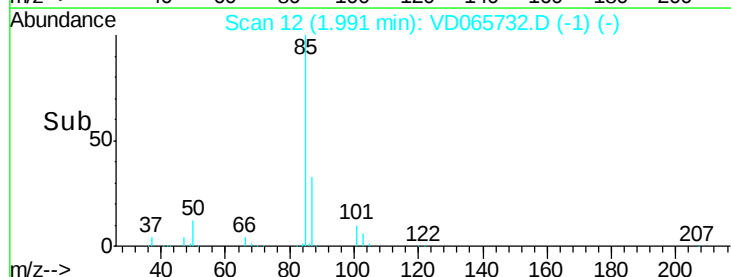
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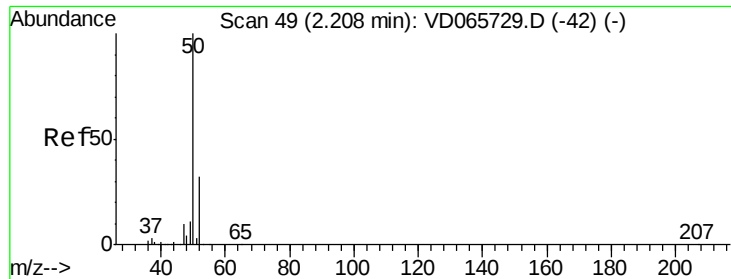
40000

20000

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Time-->





#3

Chloromethane

Concen: 49.512 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

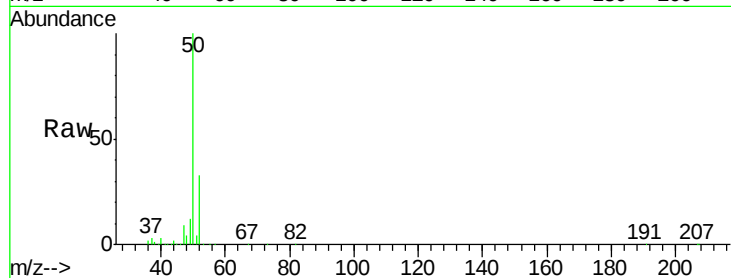
ICVVD051320

Tot Ion: 50 Resp: 184402

Ion Ratio Lower Upper

50 100

52 33.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

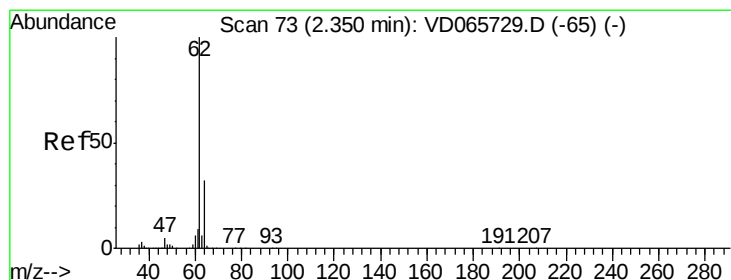
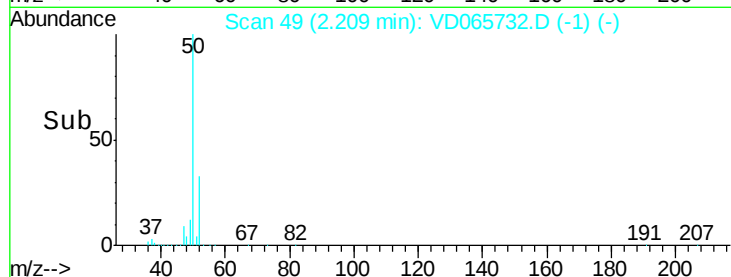
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.115 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065732.D

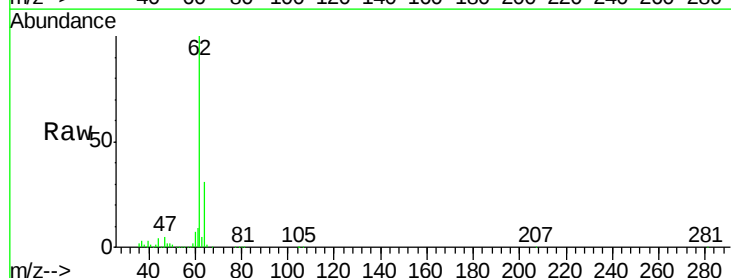
Acq: 13 May 2020 14:54

Tgt Ion: 62 Resp: 206138

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

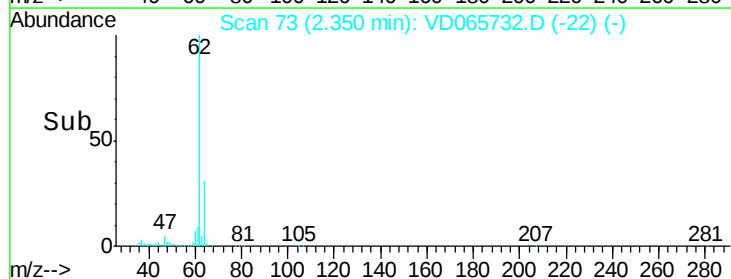
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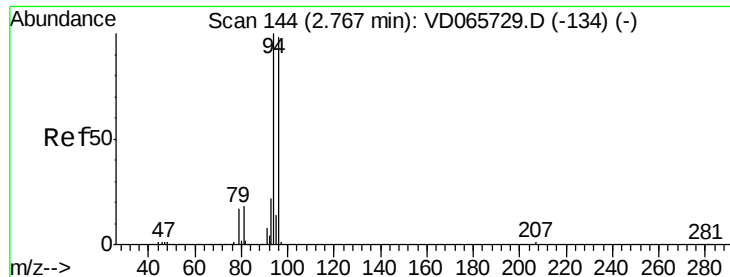
100000

50000

0

Time-->





#5

Bromomethane

Concen: 49.279 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

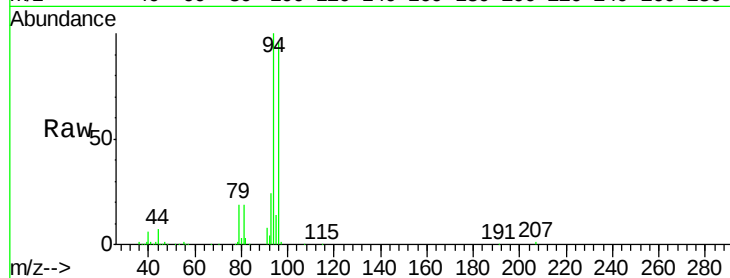
ICVVD051320

Tot Ion: 94 Resp: 131306

Ion Ratio Lower Upper

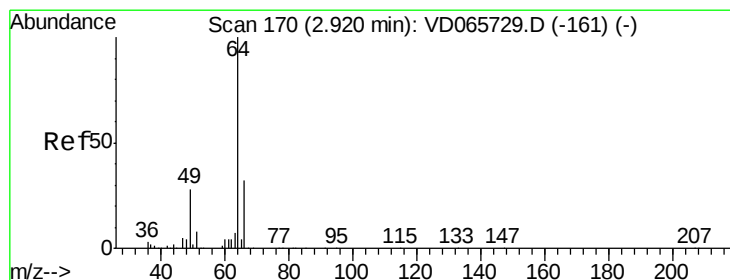
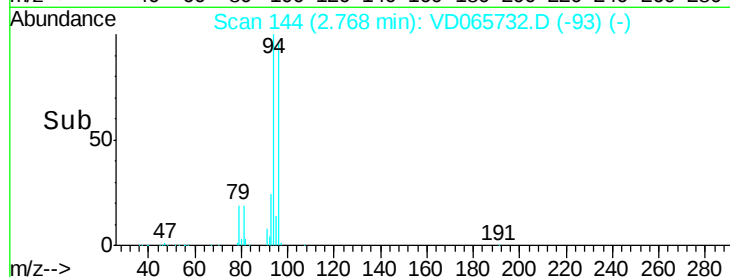
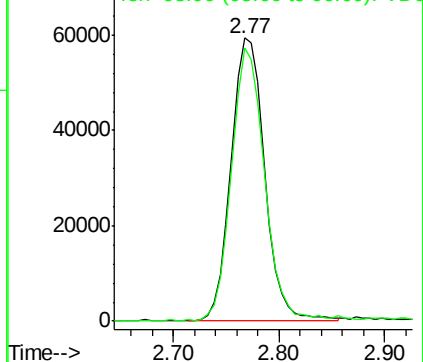
94 100

96 95.8 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.848 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD065732.D

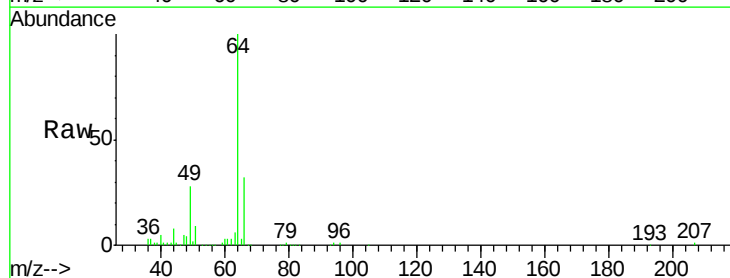
Acq: 13 May 2020 14:54

Tgt Ion: 64 Resp: 130389

Ion Ratio Lower Upper

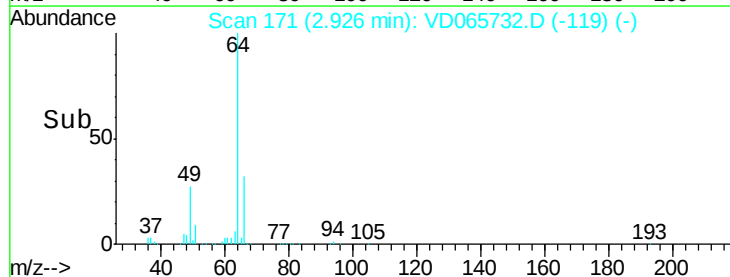
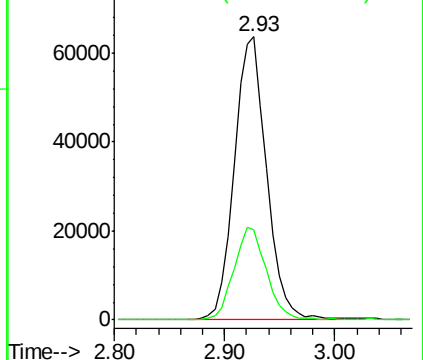
64 100

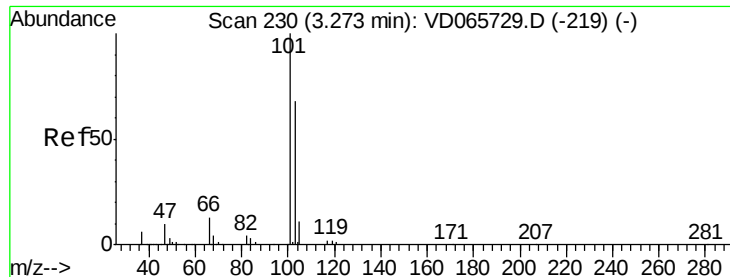
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



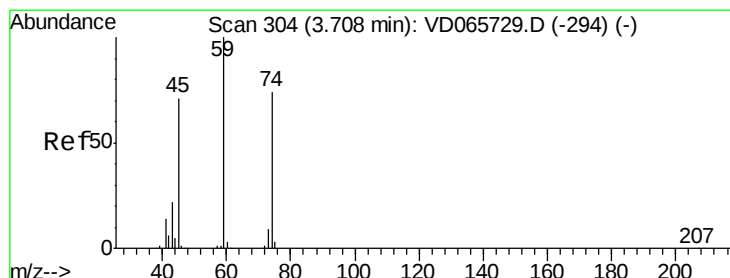
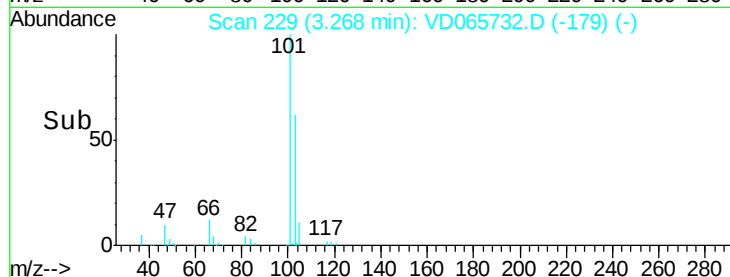
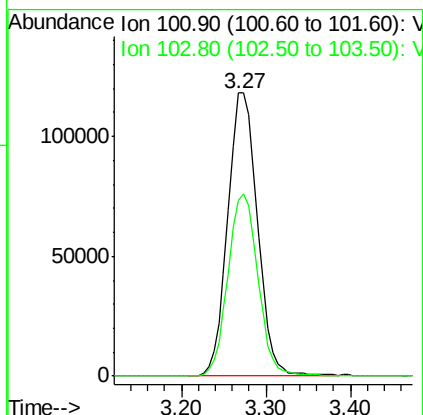
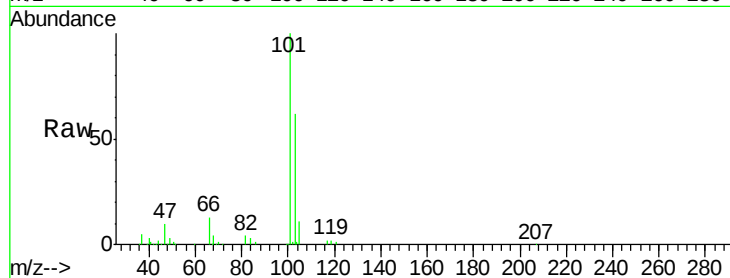


#7

Trichlorofluoromethane
 Concen: 51.617 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Instrument :
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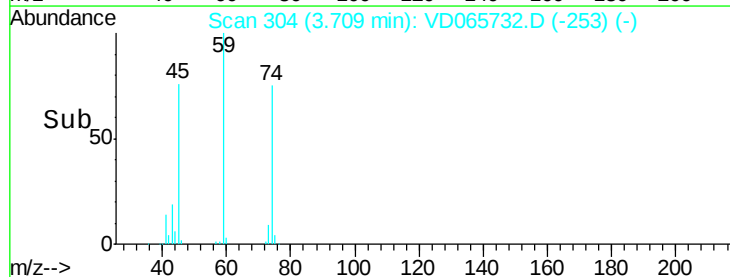
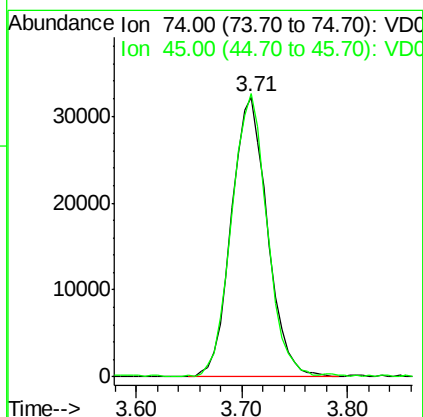
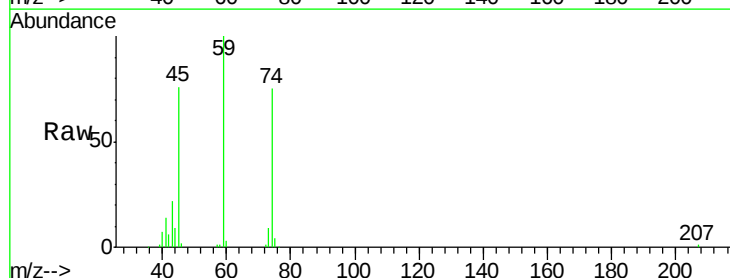
Tot Ion:101 Resp: 287776
 Ion Ratio Lower Upper
 101 100
 103 62.2 54.1 81.1

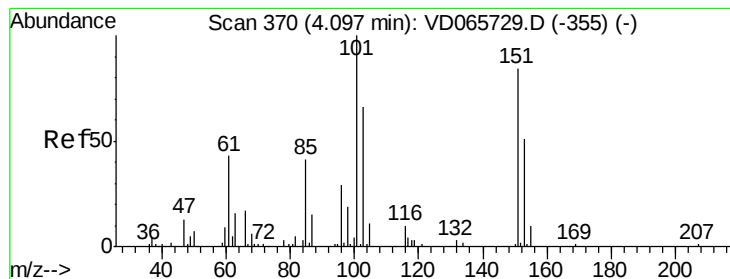


#8

Diethyl Ether
 Concen: 47.570 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Tgt Ion: 74 Resp: 76204
 Ion Ratio Lower Upper
 74 100
 45 99.4 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.991 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

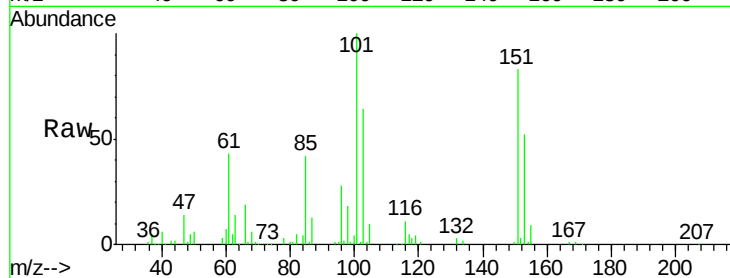
Tot Ion:101 Resp: 174741

Ion Ratio Lower Upper

101 100

85 43.5 34.1 51.1

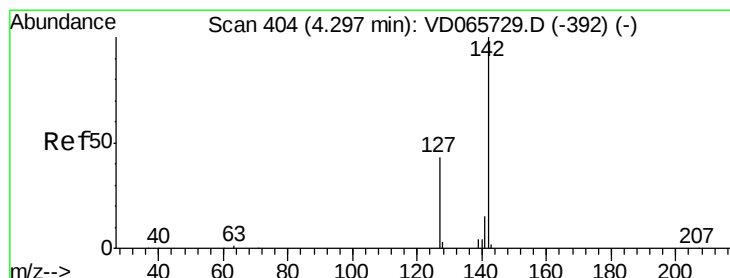
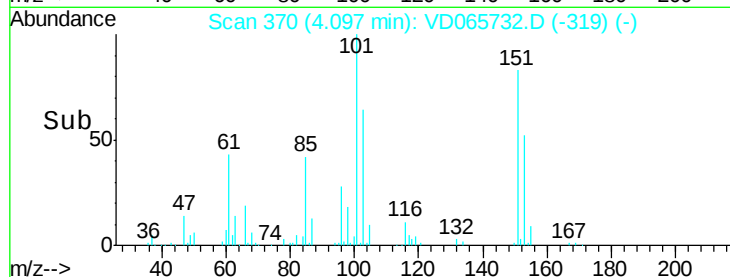
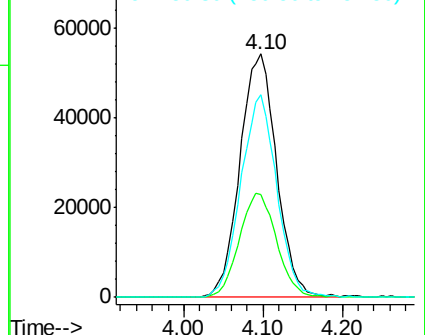
151 81.7 65.1 97.7



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: 48.734 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

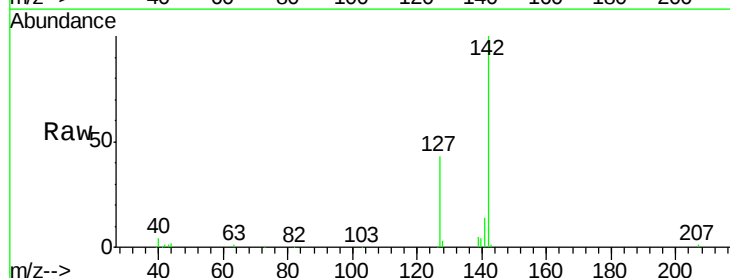
Tgt Ion:142 Resp: 174460

Ion Ratio Lower Upper

142 100

127 43.1 34.2 51.4

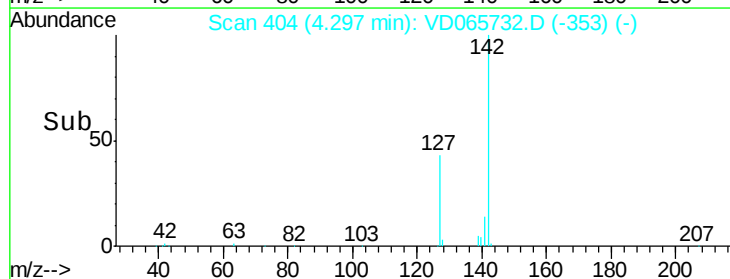
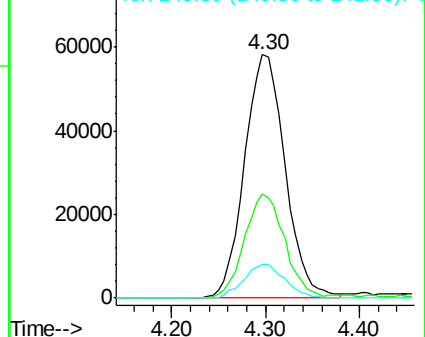
141 14.1 11.7 17.5

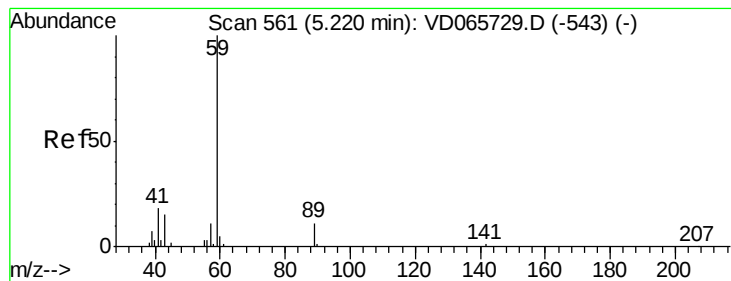


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 214.002 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

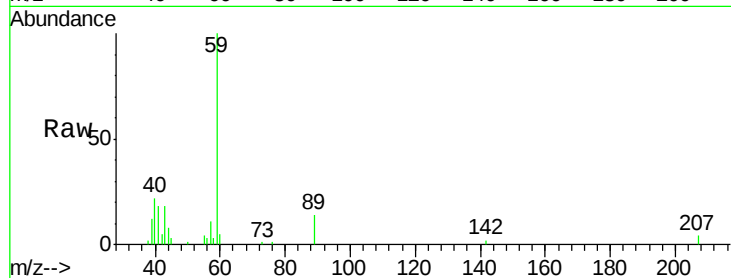
ICVVD051320

Tot Ion: 59 Resp: 56669

Ion Ratio Lower Upper

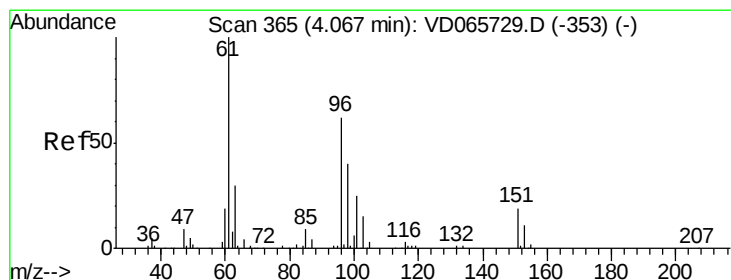
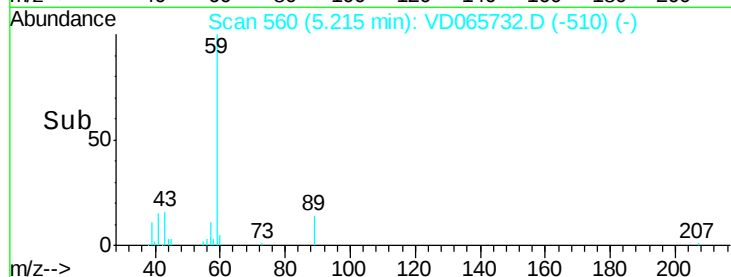
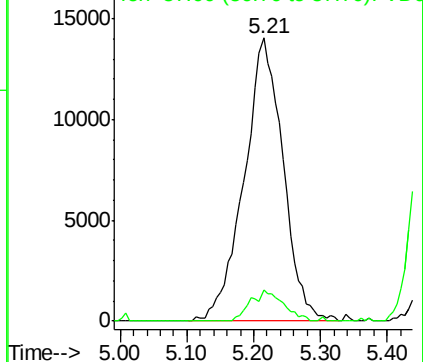
59 100

57 9.2 7.4 11.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 51.743 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

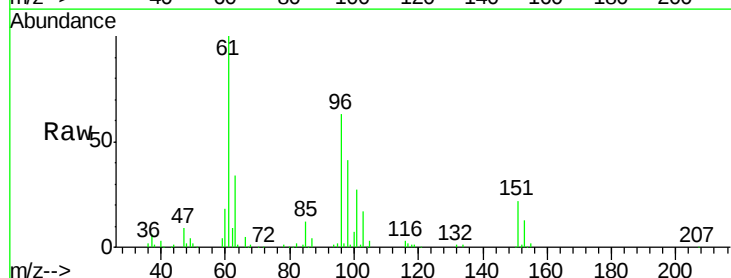
Tgt Ion: 96 Resp: 168182

Ion Ratio Lower Upper

96 100

61 158.1 130.0 195.0

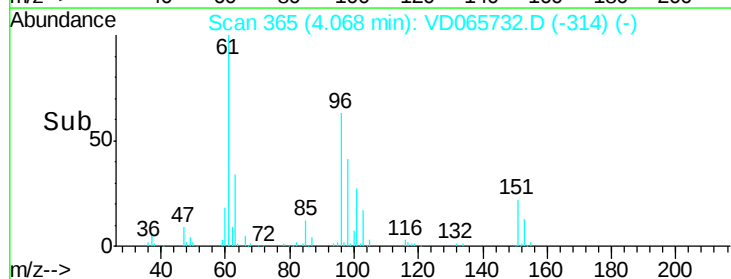
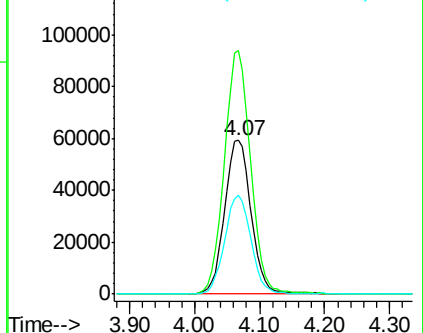
98 64.6 52.3 78.5

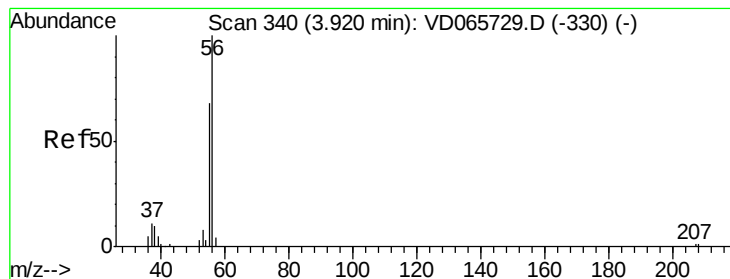


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 210.611 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

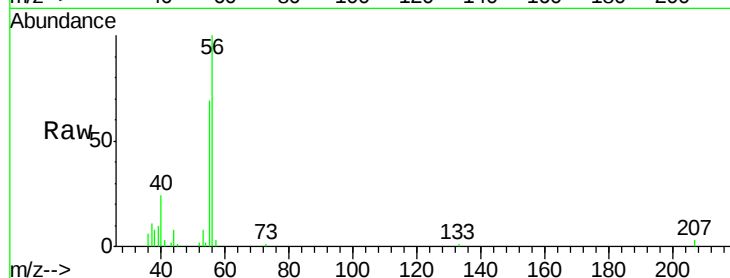
ICVVD051320

Tot Ion: 56 Resp: 37622

Ion Ratio Lower Upper

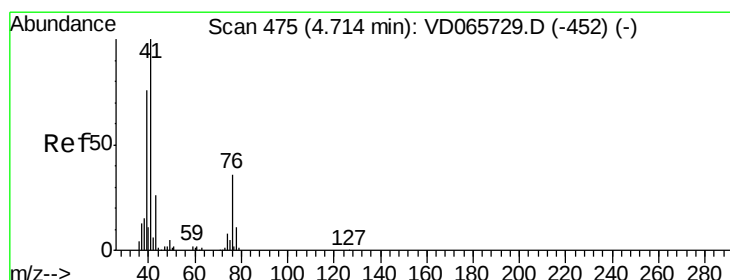
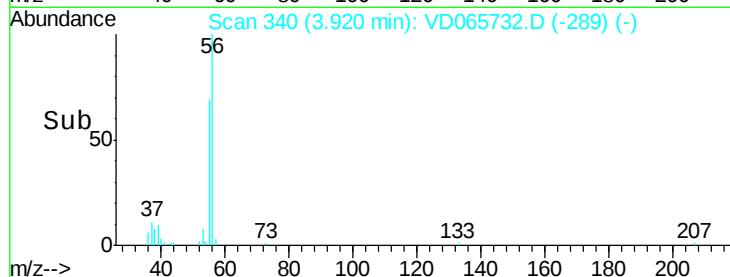
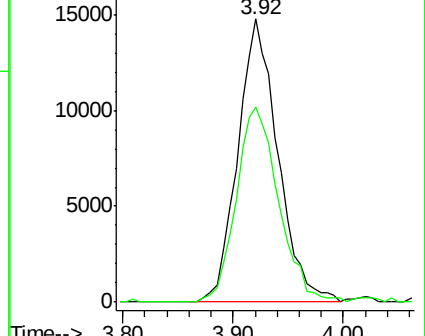
56 100

55 72.9 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.427 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

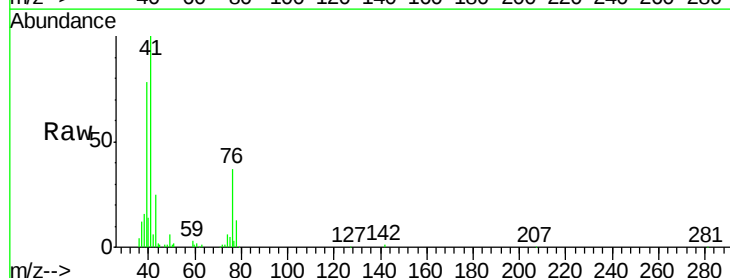
Tgt Ion: 41 Resp: 272153

Ion Ratio Lower Upper

41 100

39 73.1 57.4 86.2

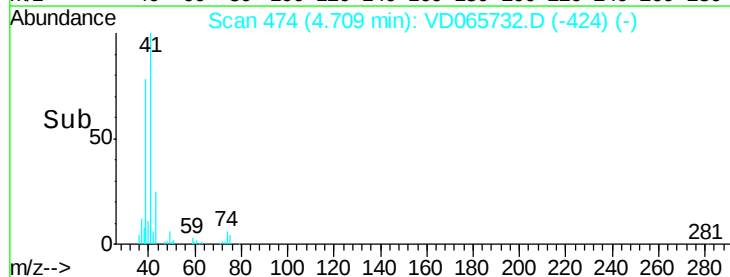
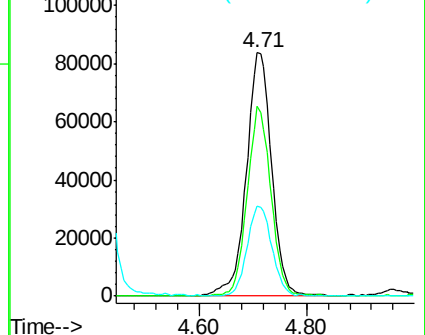
76 36.2 28.4 42.6

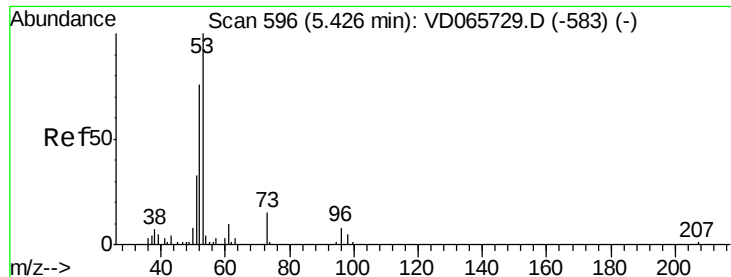


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 232.967 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

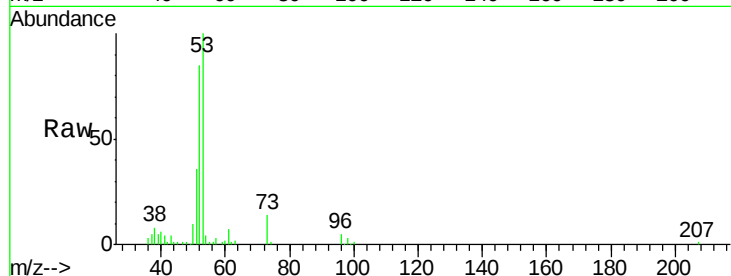
Tot Ion: 53 Resp: 164868

Ion Ratio Lower Upper

53 100

52 82.7 66.3 99.5

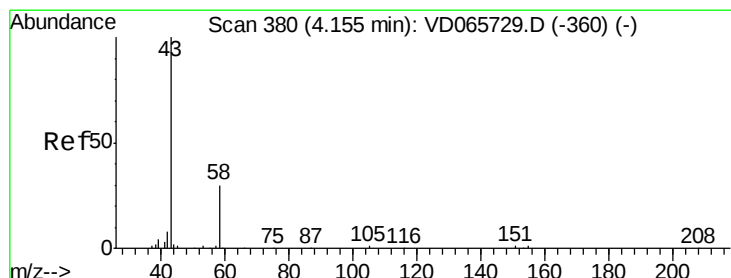
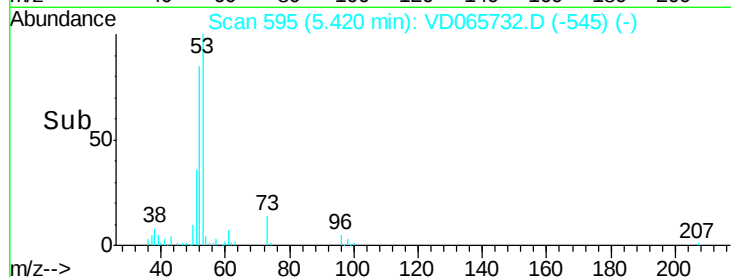
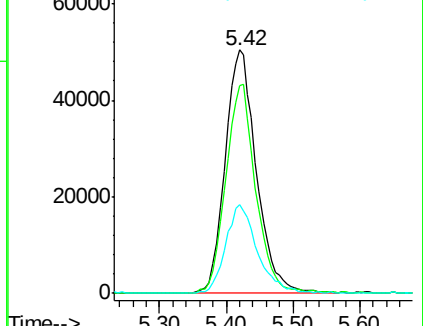
51 36.9 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 261.248 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065732.D

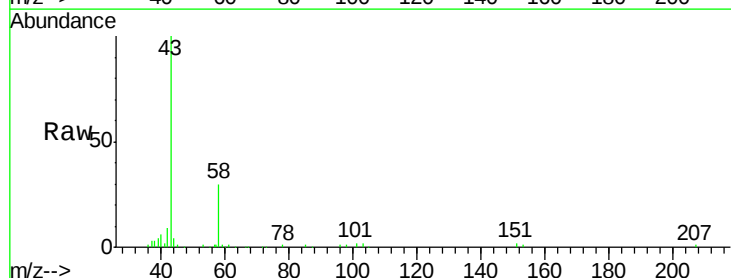
Acq: 13 May 2020 14:54

Tgt Ion: 43 Resp: 171041

Ion Ratio Lower Upper

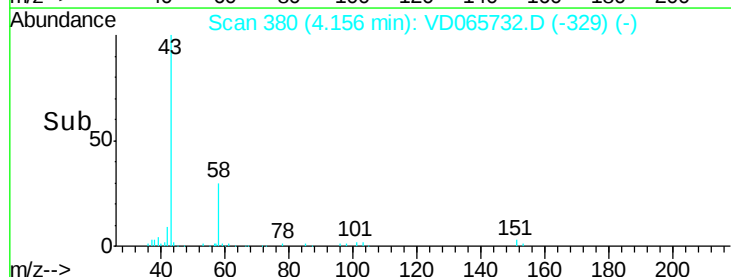
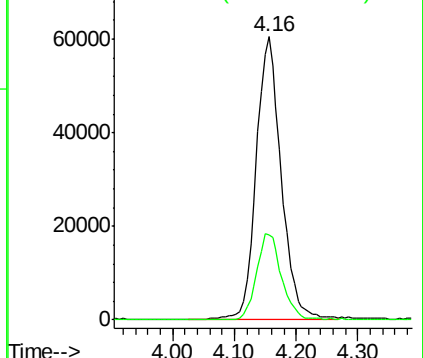
43 100

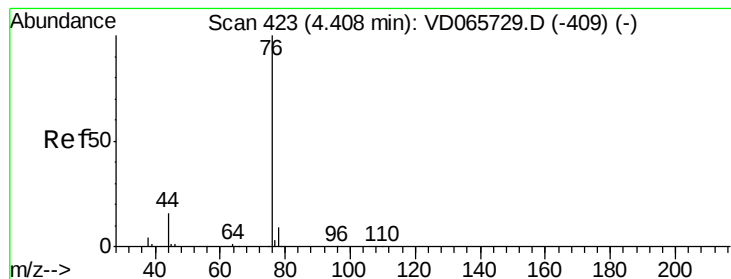
58 29.9 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 50.005 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

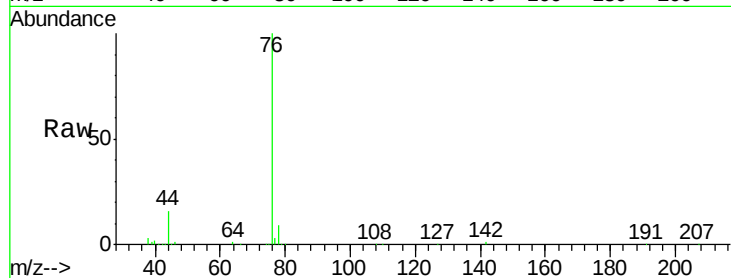
ICVVD051320

Tot Ion: 76 Resp: 513341

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

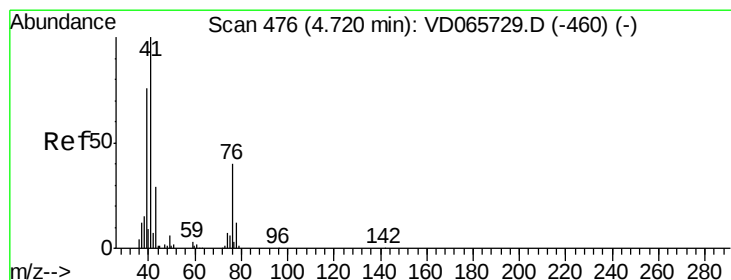
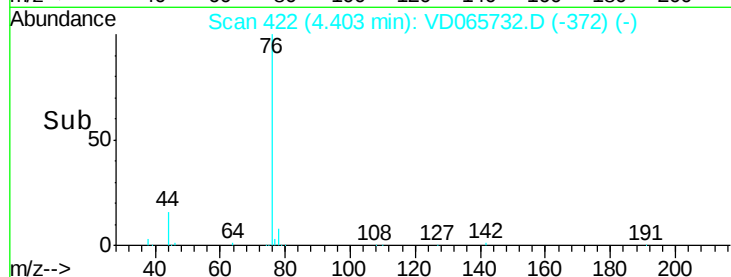
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.313 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065732.D

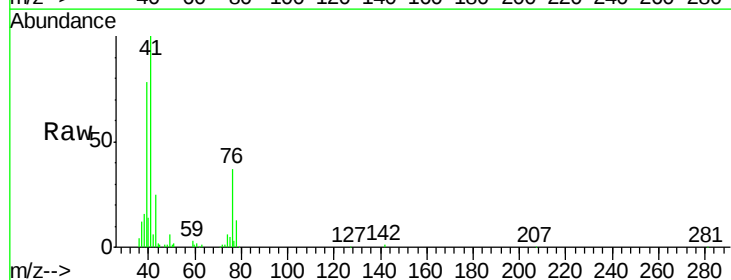
Acq: 13 May 2020 14:54

Tgt Ion: 43 Resp: 72624

Ion Ratio Lower Upper

43 100

74 23.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

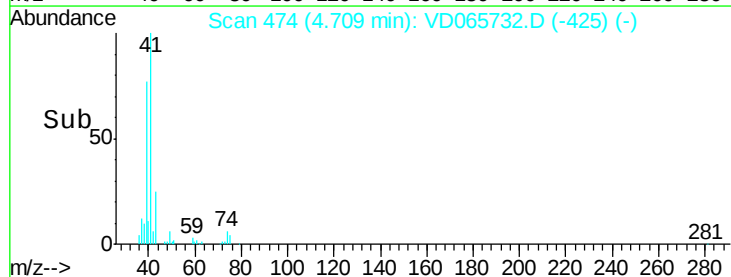
15000

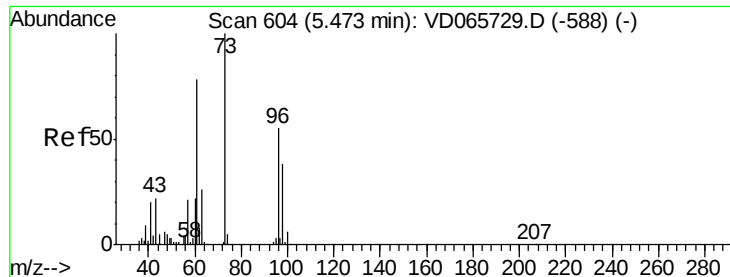
10000

5000

0

Time-->



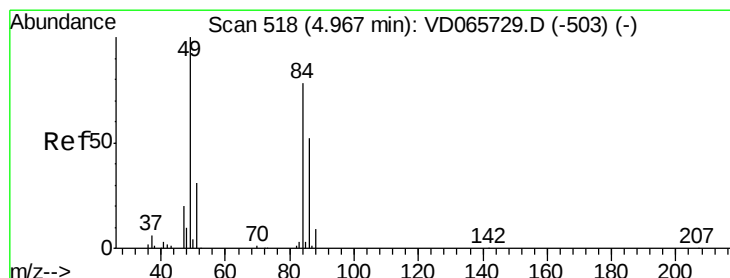
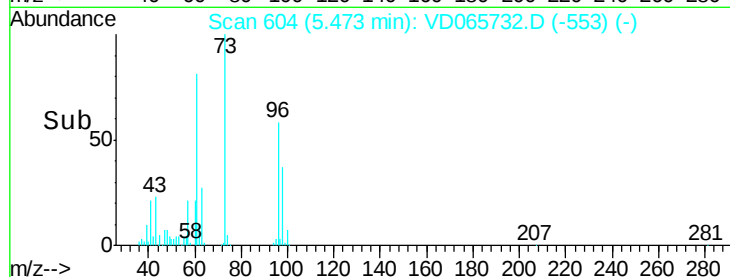
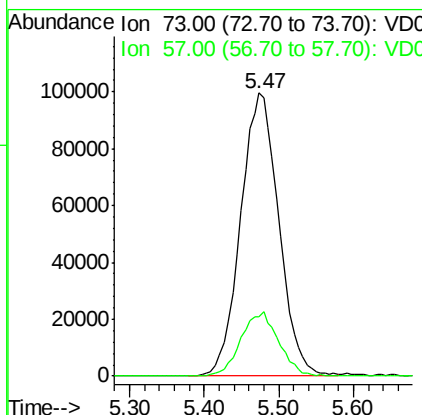
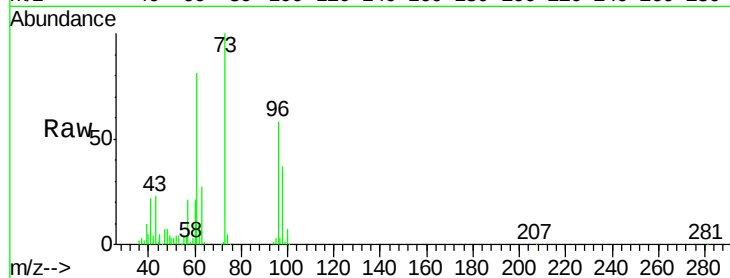


#19

Methyl tert-butyl Ether
 Concen: 46.644 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Instrument :
 MSVOA_D
 ClientSampled :
 ICVVD051320

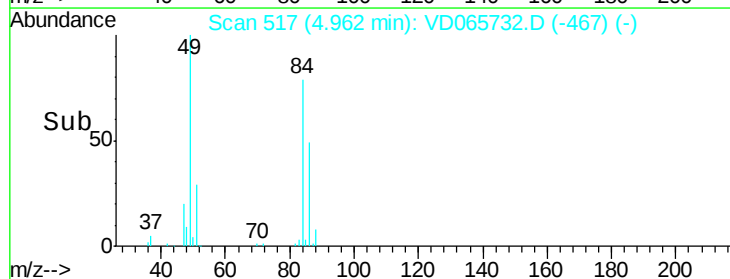
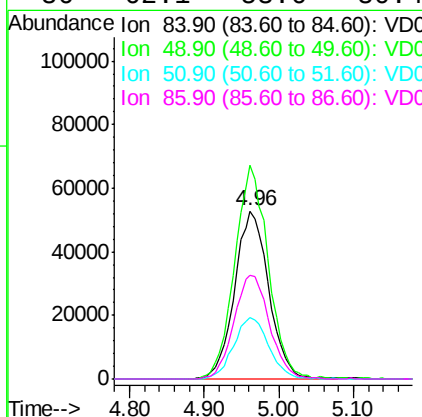
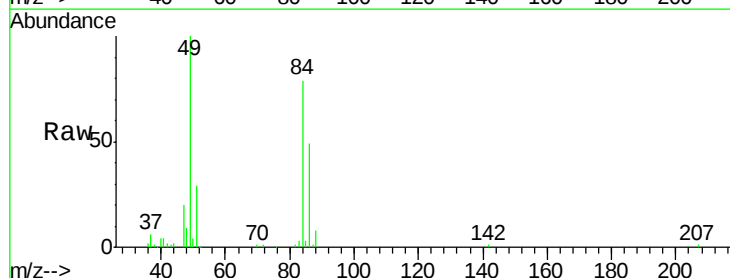
Tot Ion: 73 Resp: 353701
 Ion Ratio Lower Upper
 73 100
 57 21.0 17.0 25.4

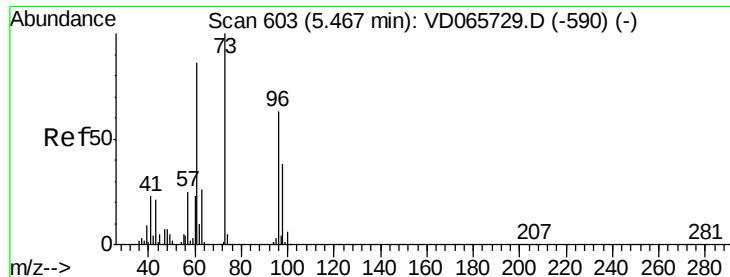


#20

Methylene Chloride
 Concen: 45.503 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Tgt Ion: 84 Resp: 168073
 Ion Ratio Lower Upper
 84 100
 49 127.2 102.9 154.3
 51 36.3 31.5 47.3
 86 62.1 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 49.073 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

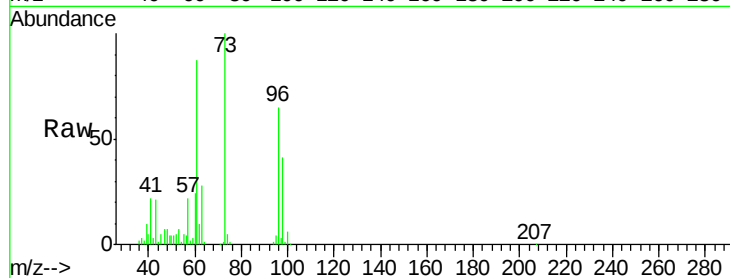
Tot Ion: 96 Resp: 183644

Ion Ratio Lower Upper

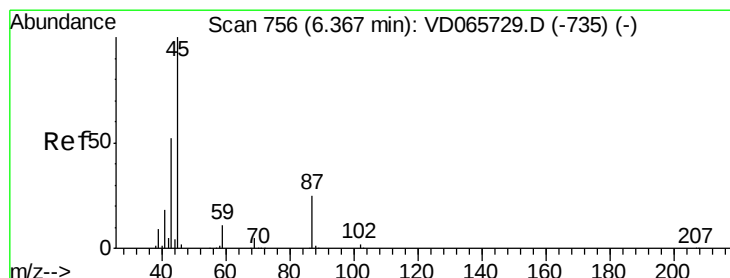
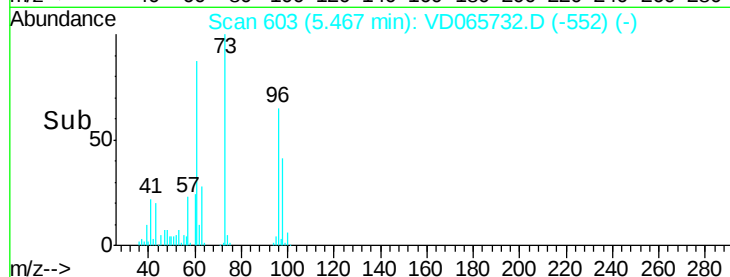
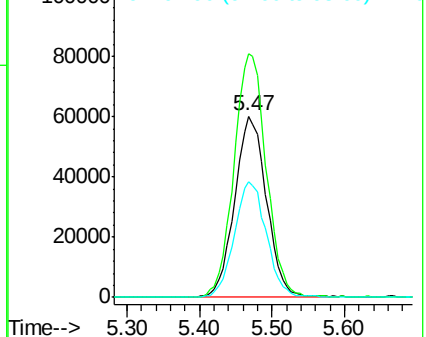
96 100

61 134.3 108.6 163.0

98 63.5 47.9 71.9



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



#22

Diisopropyl ether

Concen: 48.106 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Tgt Ion: 45 Resp: 514696

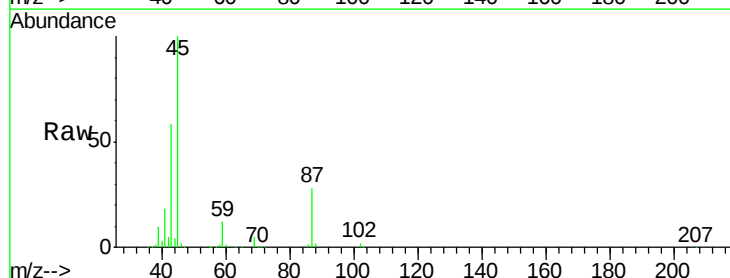
Ion Ratio Lower Upper

45 100

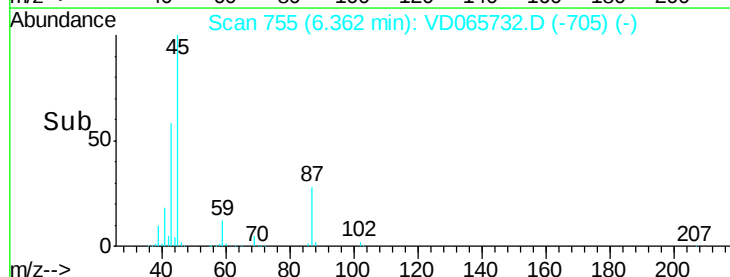
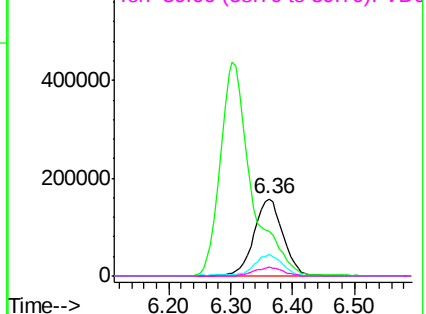
43 57.4 41.8 62.6

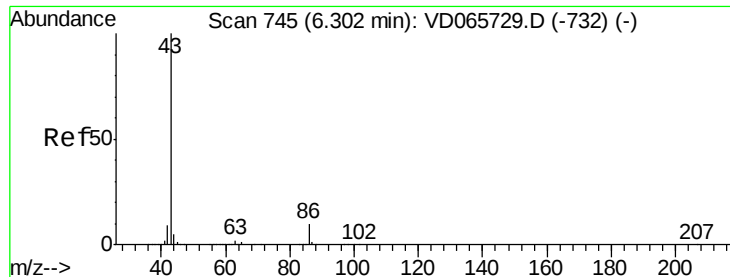
87 28.1 20.1 30.1

59 12.0 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 241.231 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

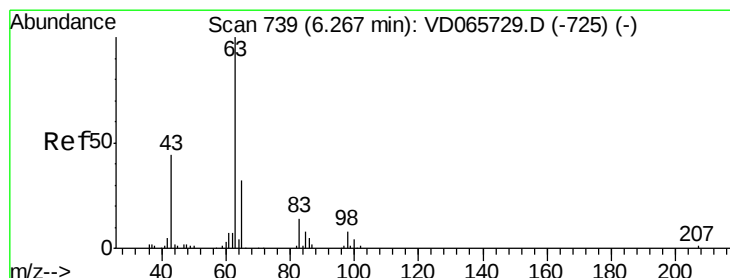
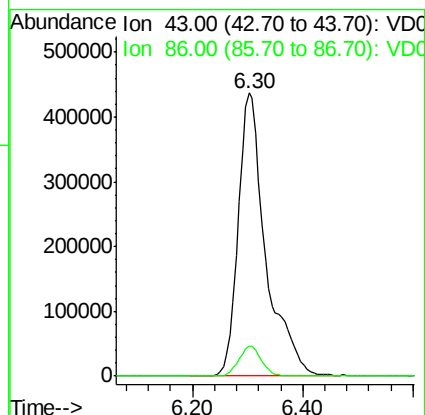
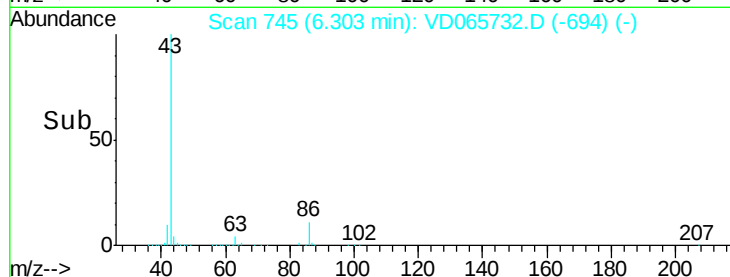
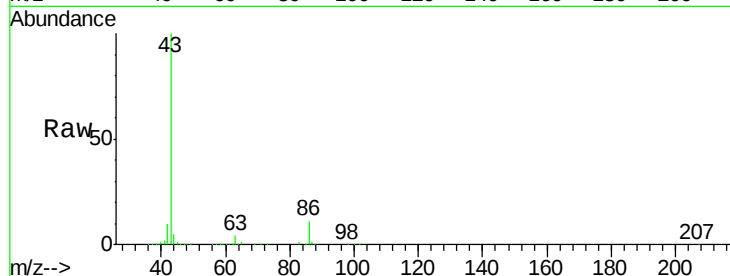
ICVVD051320

Tot Ion: 43 Resp: 1518066

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.4



#24

1,1-Dichloroethane

Concen: 49.060 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

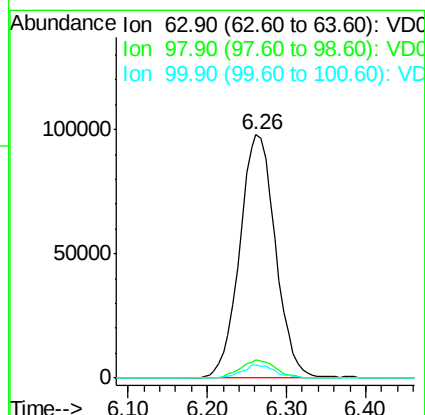
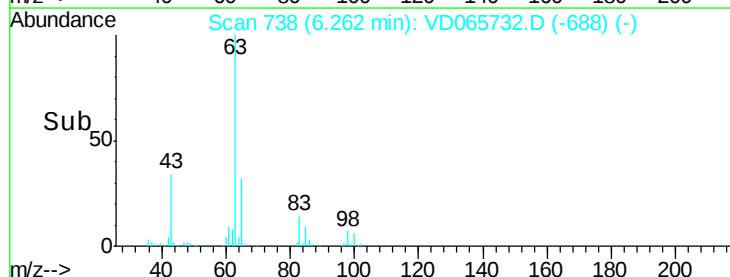
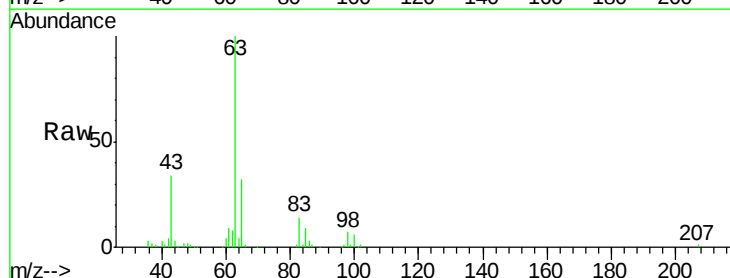
Tgt Ion: 63 Resp: 307333

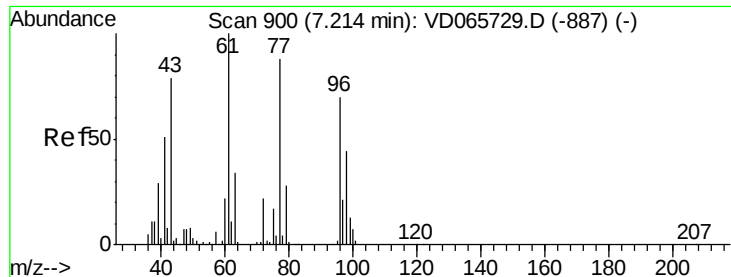
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 5.5 2.2 6.6





#25

2-Butanone

Concen: 235.676 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

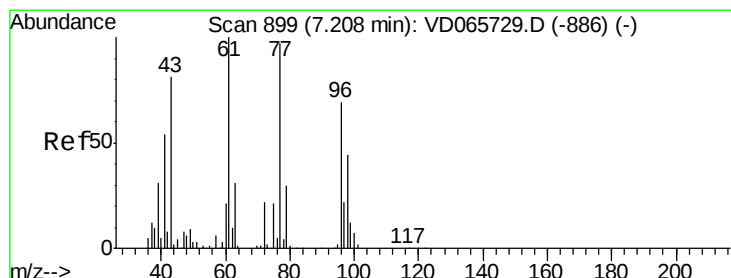
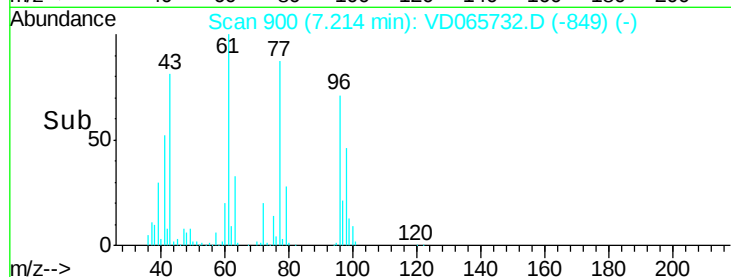
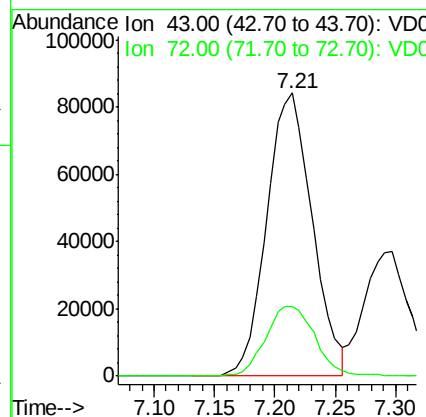
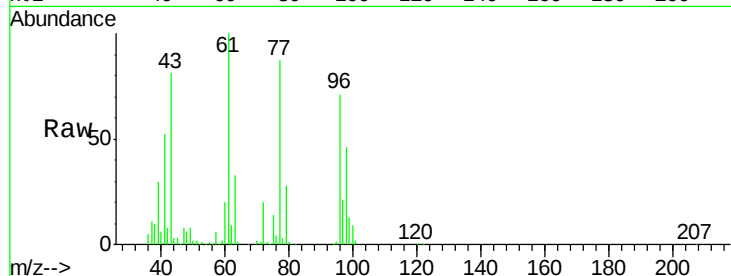
ICVVD051320

Tot Ion: 43 Resp: 220566

Ion Ratio Lower Upper

43 100

72 24.8 22.3 33.5



#26

2,2-Dichloropropane

Concen: 49.738 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065732.D

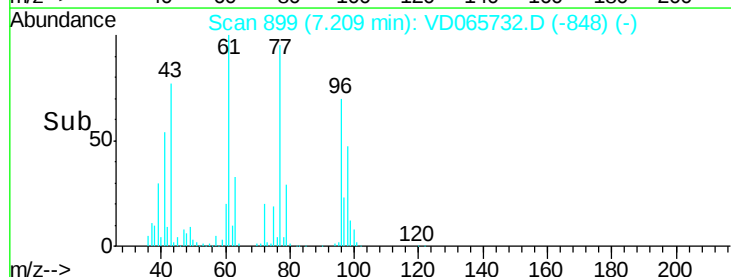
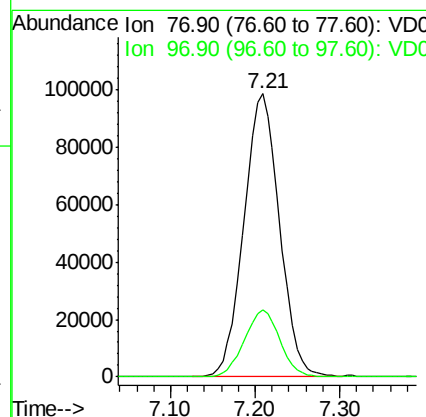
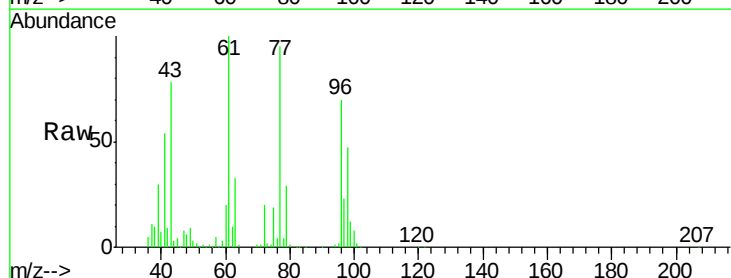
Acq: 13 May 2020 14:54

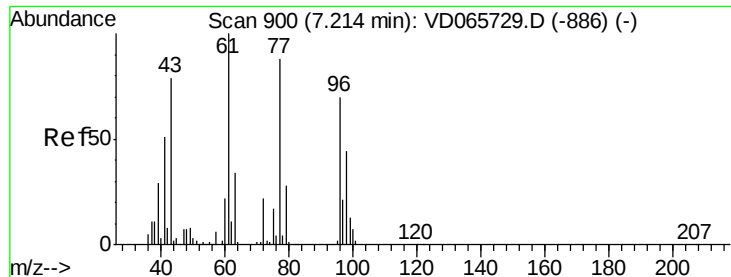
Tgt Ion: 77 Resp: 289193

Ion Ratio Lower Upper

77 100

97 23.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 48.111 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

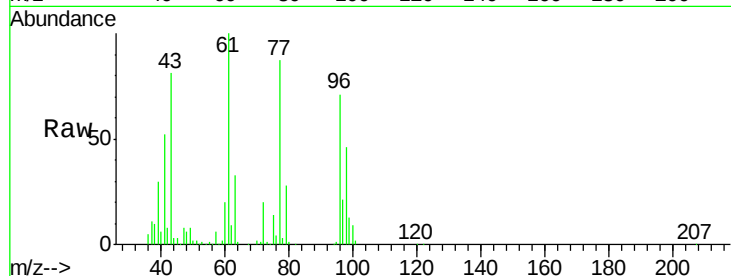
Tot Ion: 96 Resp: 197304

Ion Ratio Lower Upper

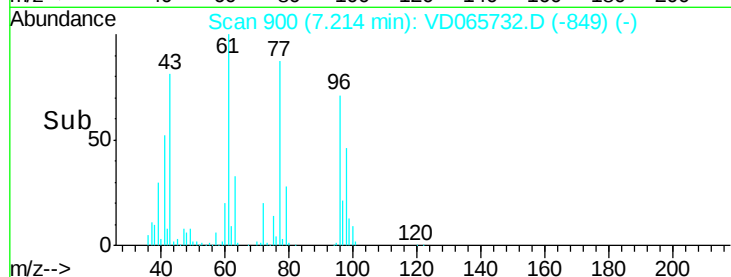
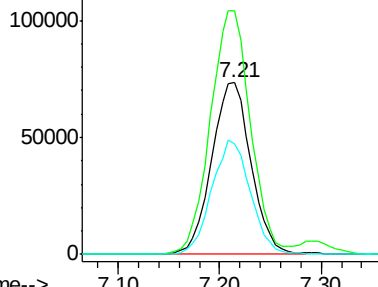
96 100

61 144.9 0.0 288.0

98 66.0 0.0 127.8



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



#28

Bromochloromethane

Concen: 47.761 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

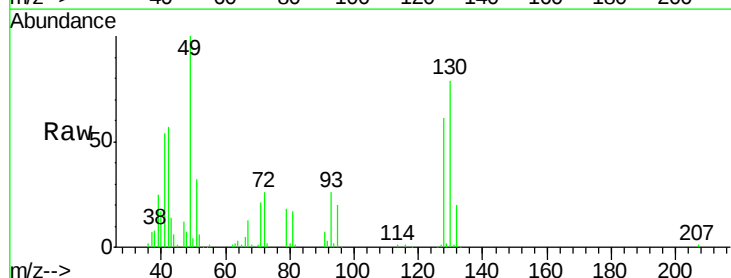
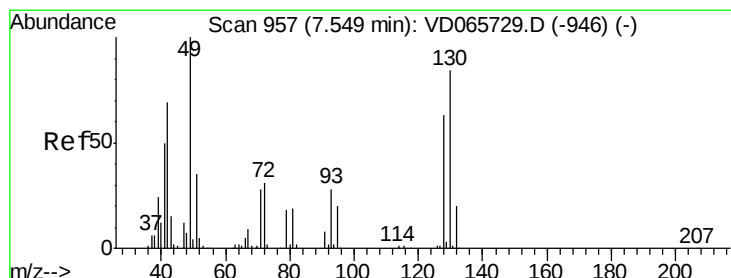
Tgt Ion: 49 Resp: 123014

Ion Ratio Lower Upper

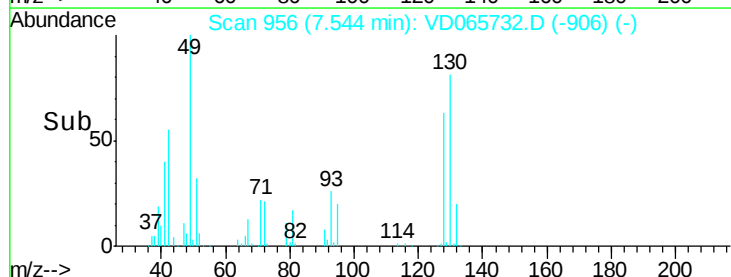
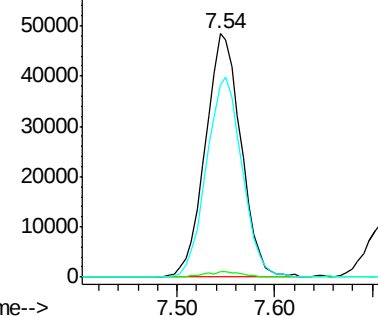
49 100

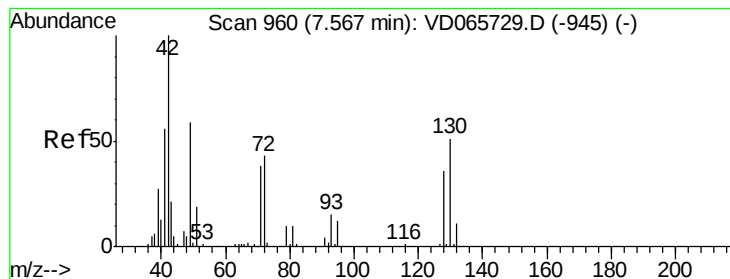
129 2.2 0.0 4.6

130 82.2 65.2 97.8



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





#29

Tetrahydrofuran

Concen: 229.409 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

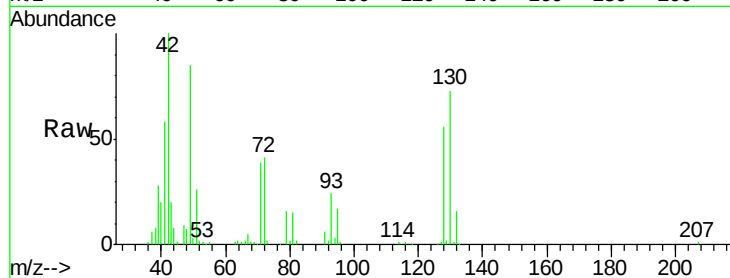
Tot Ion: 42 Resp: 136125

Ion Ratio Lower Upper

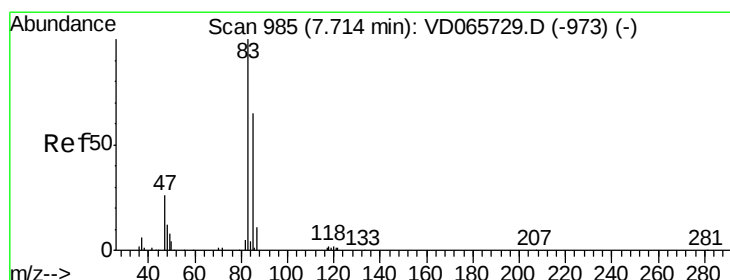
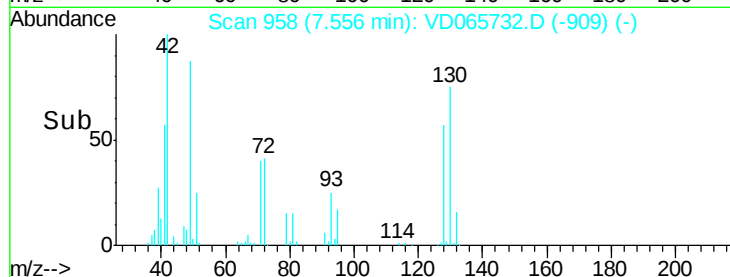
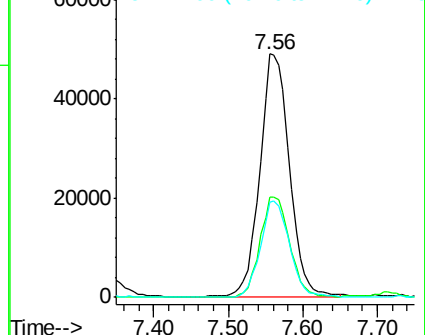
42 100

72 41.2 33.5 50.3

71 38.7 31.8 47.6



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



#30

Chloroform

Concen: 48.923 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065732.D

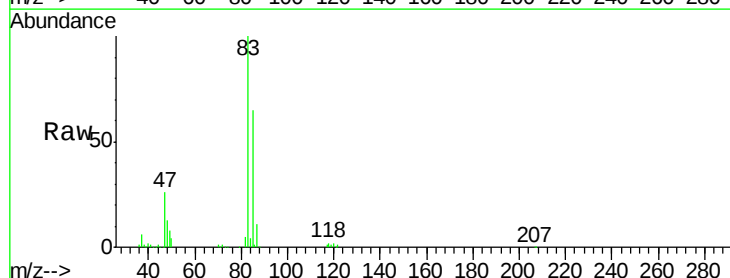
Acq: 13 May 2020 14:54

Tgt Ion: 83 Resp: 309733

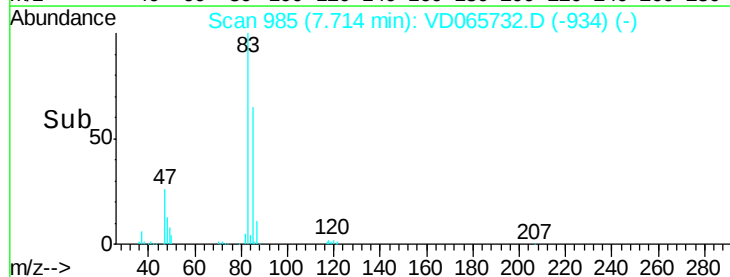
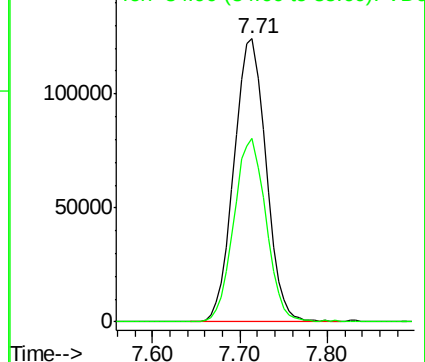
Ion Ratio Lower Upper

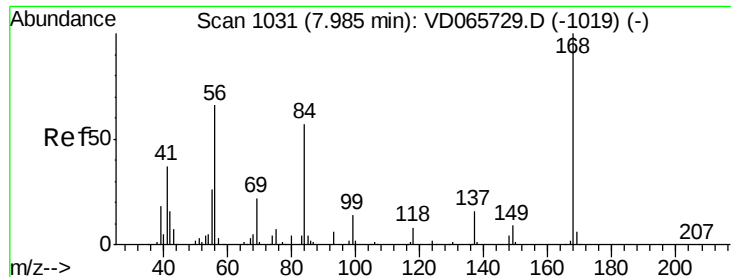
83 100

85 64.6 52.2 78.2



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

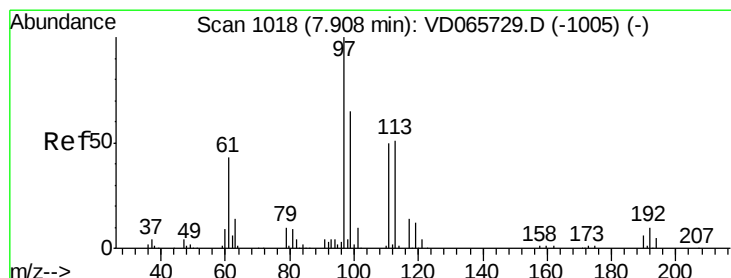
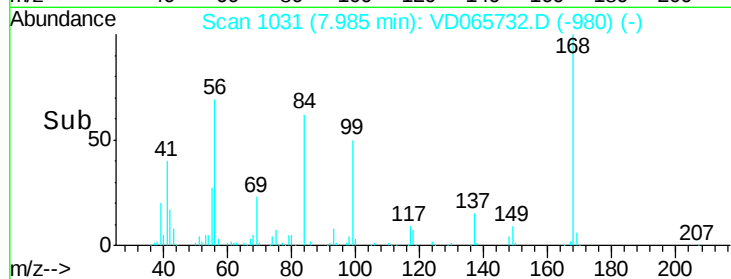
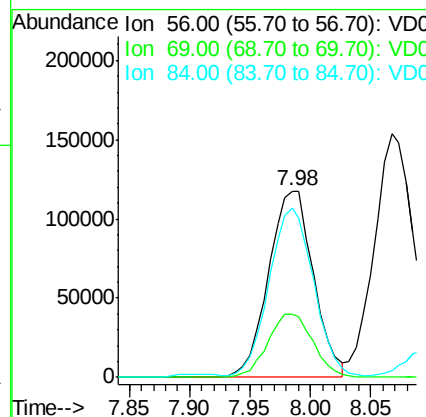
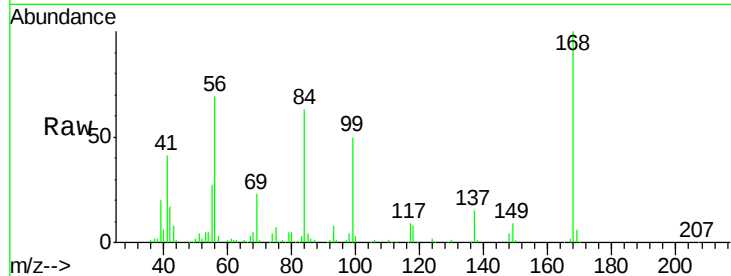




#31
Cyclohexane
Concen: 47.874 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

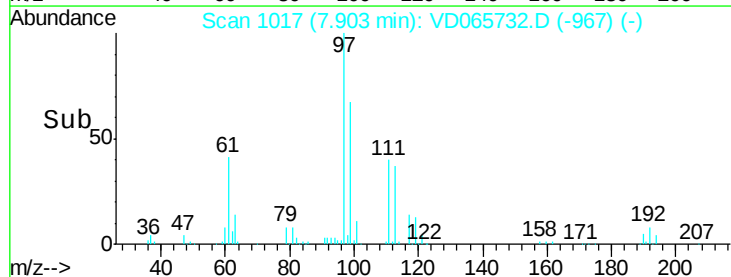
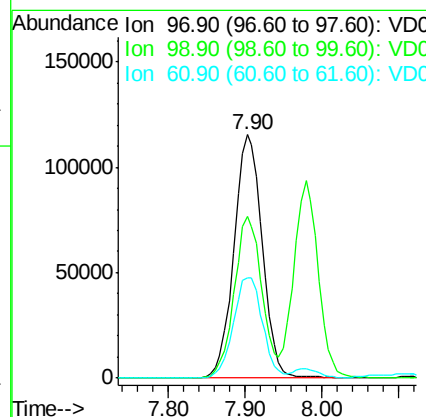
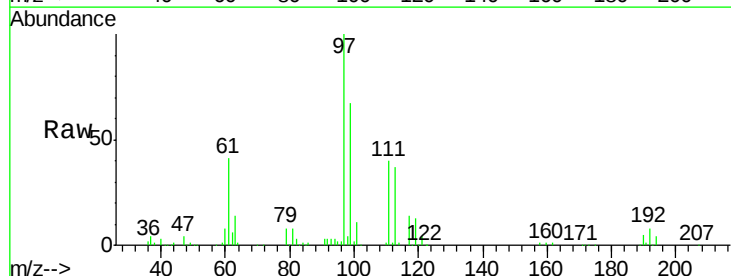
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

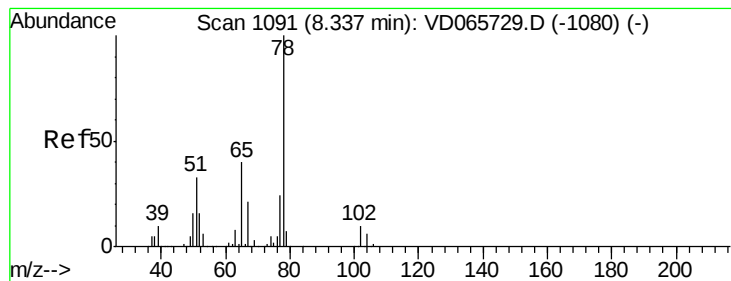
Tot Ion	56	Resp	303580
Ion Ratio	Lower	Upper	
56	100		
69	33.9	25.9	38.9
84	89.2	69.1	103.7



#32
1,1,1-Trichloroethane
Concen: 50.030 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion	97	Resp	296709
Ion Ratio	Lower	Upper	
97	100		
99	65.3	50.5	75.7
61	42.6	33.9	50.9





#33

1,2-Dichloroethane-d4

Concen: 45.612 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

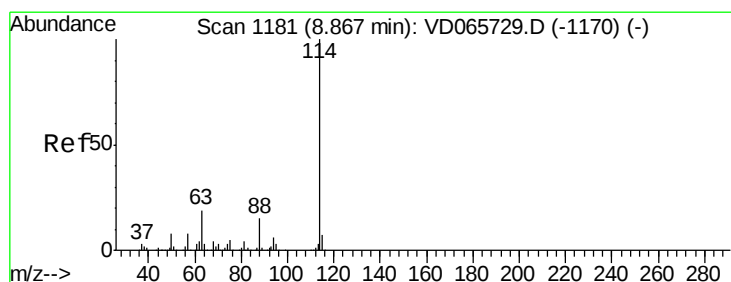
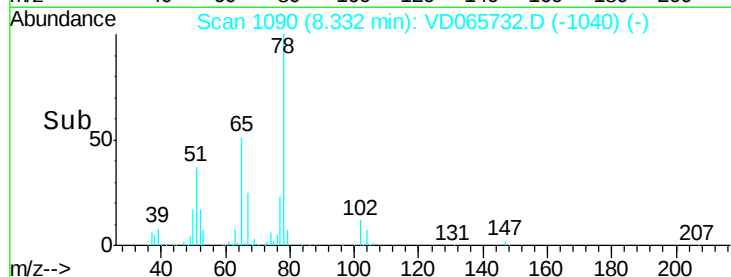
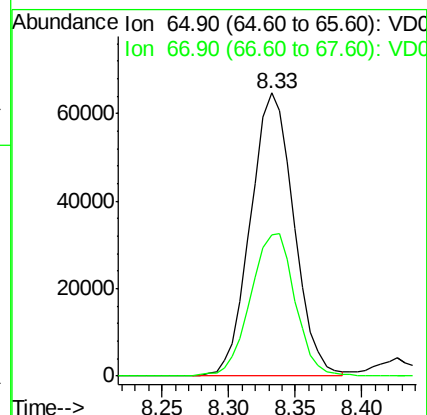
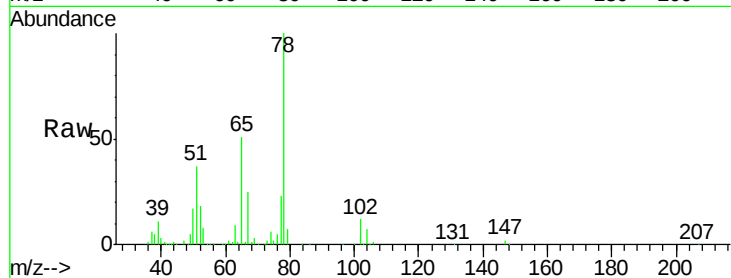
ICVVD051320

Tot Ion: 65 Resp: 145587

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

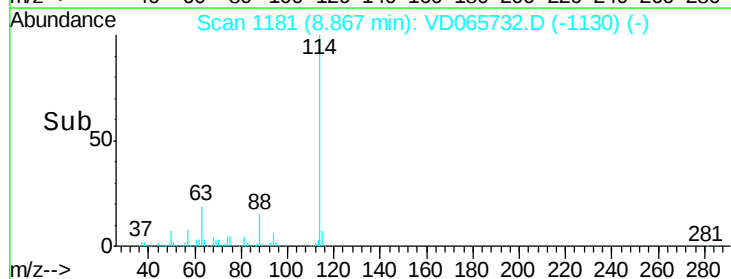
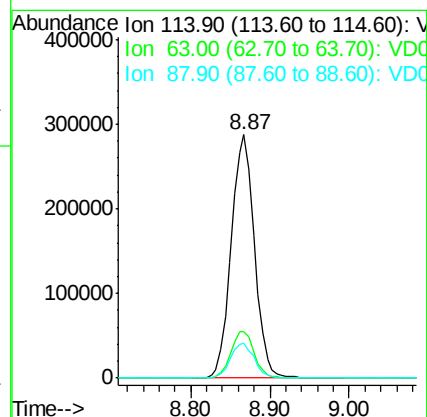
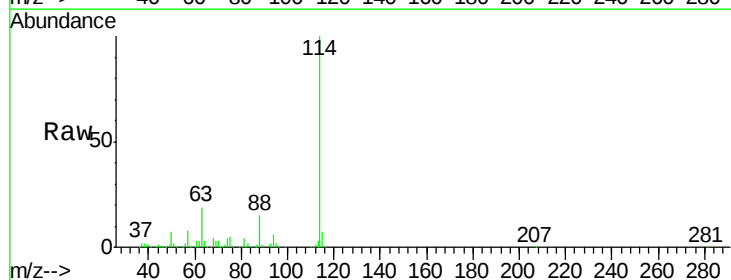
Tgt Ion: 114 Resp: 582718

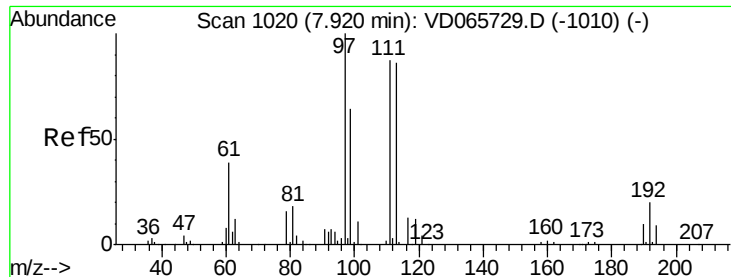
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.2

88 14.6 0.0 30.2

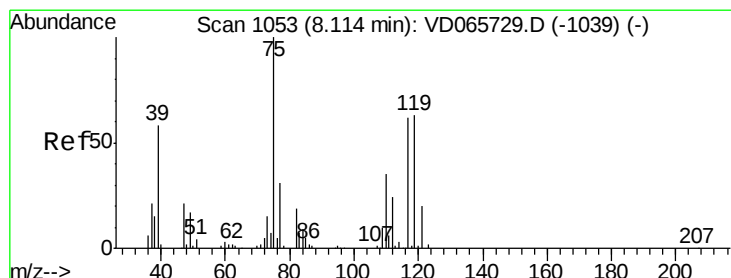
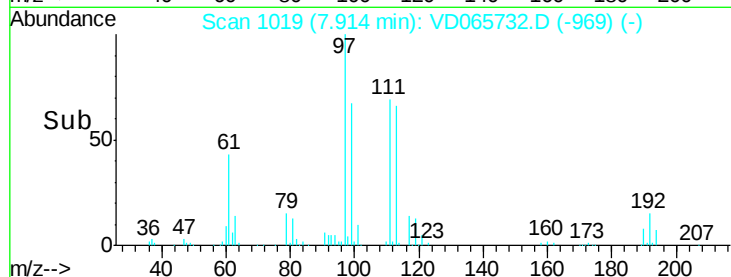
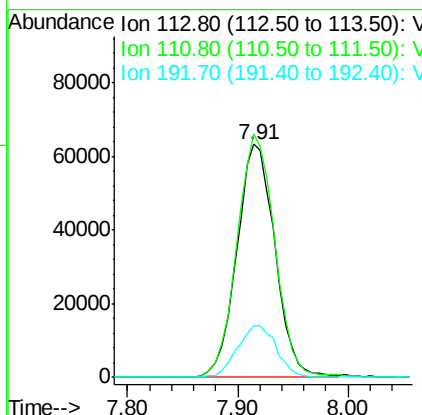
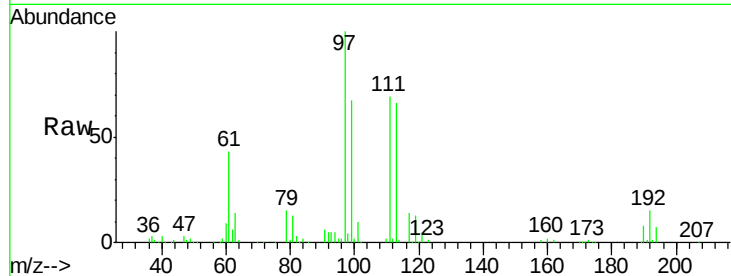




#35
 Dibromofluoromethane
 Concen: 46.602 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

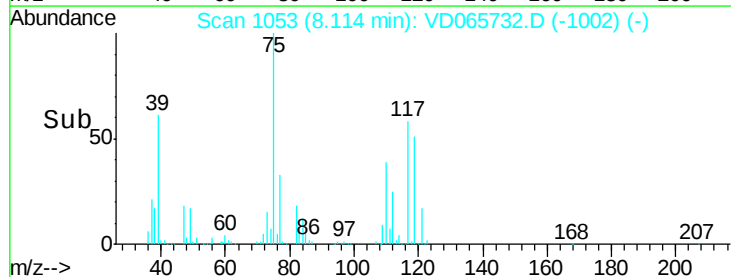
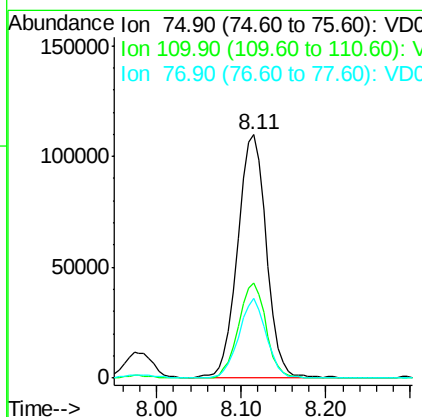
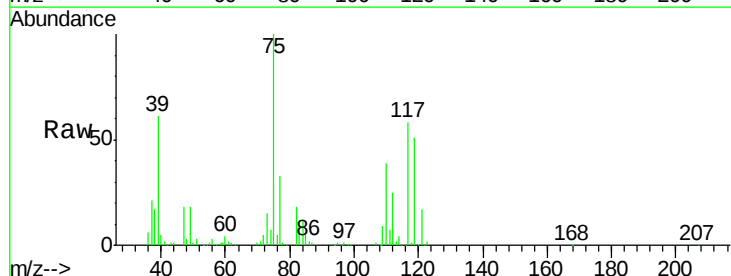
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD051320

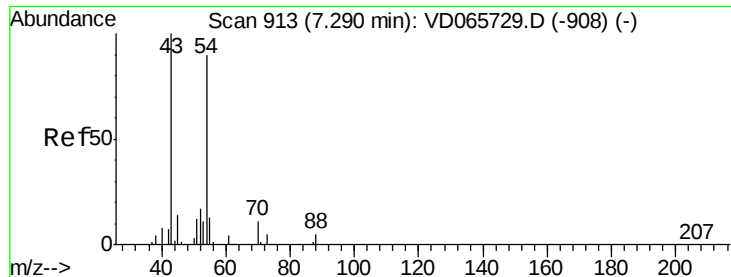
Tot Ion:113 Resp: 153845
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.1 121.7
 192 22.5 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 51.273 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Tgt Ion: 75 Resp: 259469
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.4 55.2
 77 31.4 24.6 37.0

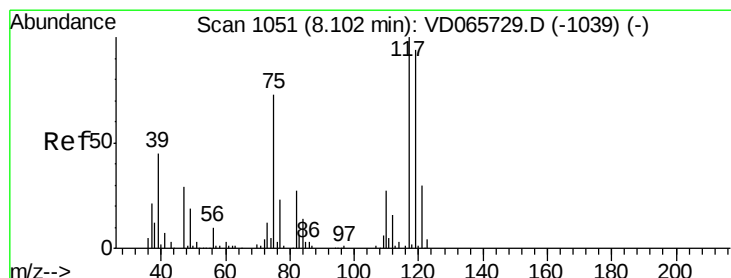
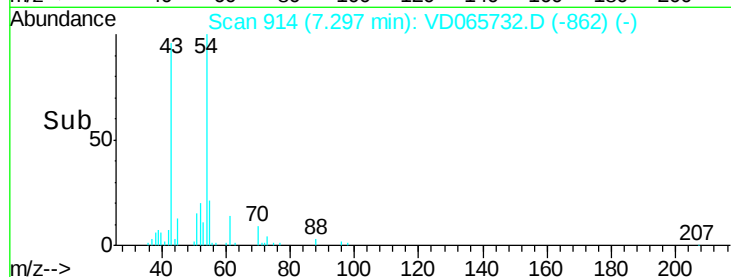
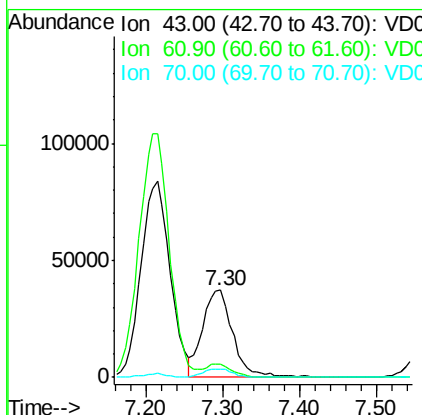
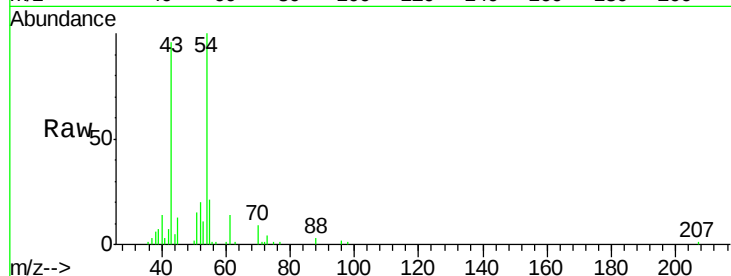




#37
Ethyl Acetate
Concen: 45.750 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

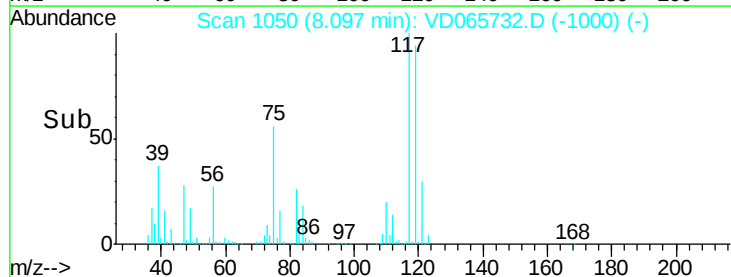
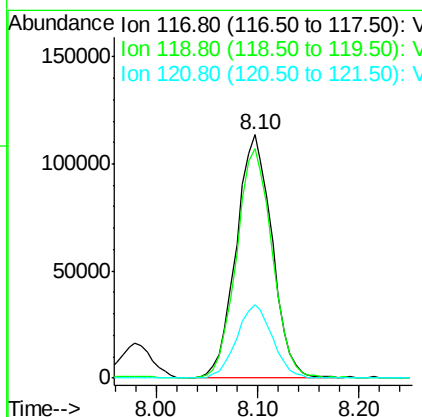
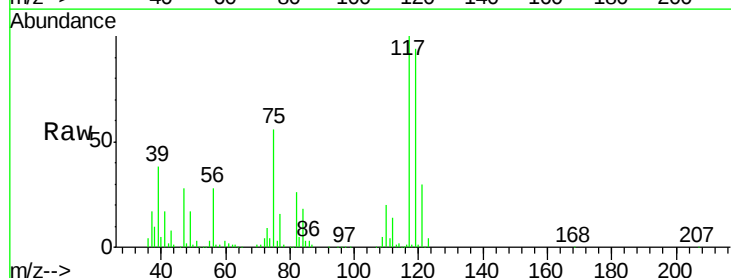
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

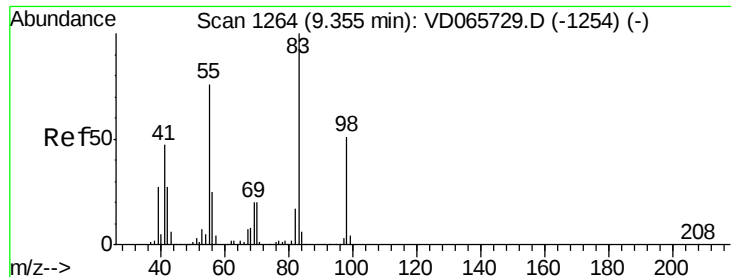
Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.8	14.6
70	10.2	8.6	12.8



#38
Carbon Tetrachloride
Concen: 51.620 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.6	113.4
121	30.1	24.4	36.6

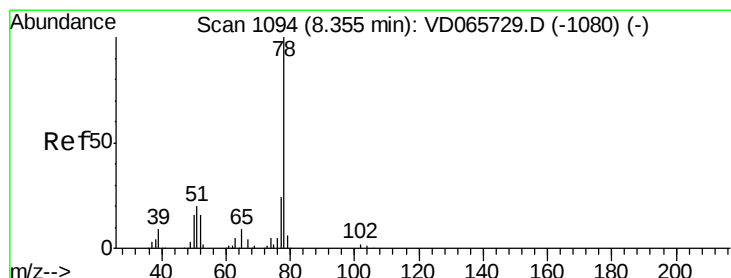
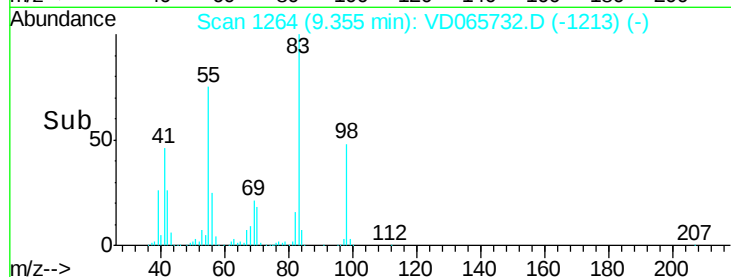
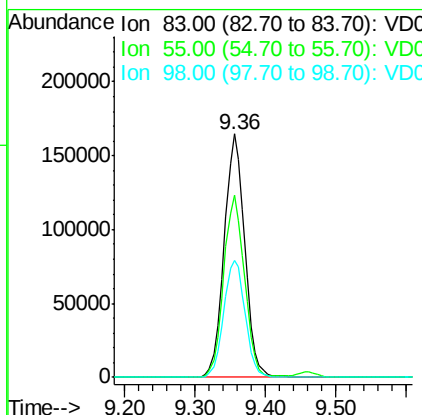
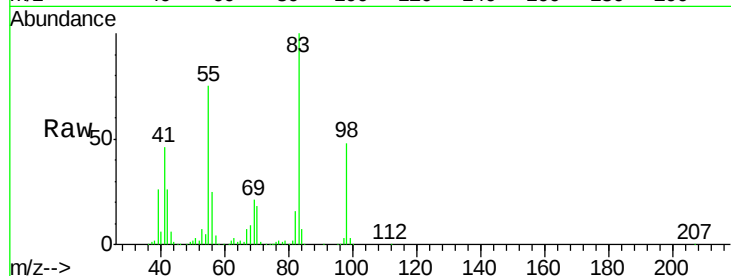




#39
Methvlcvclohexane
Concen: 51.505 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

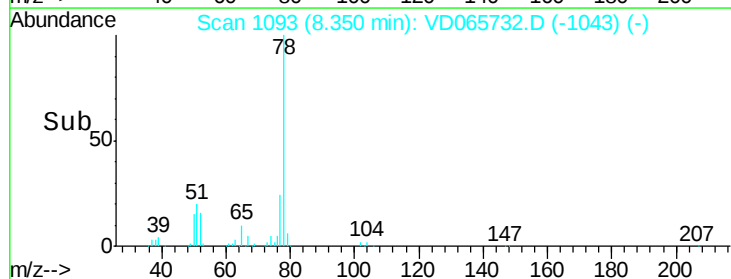
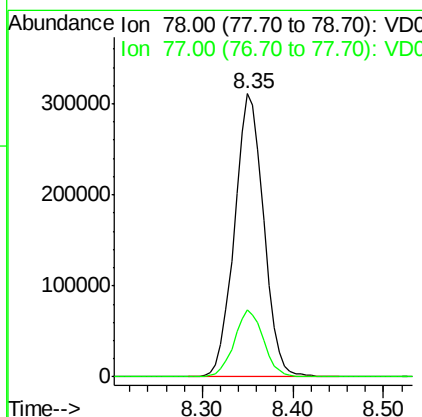
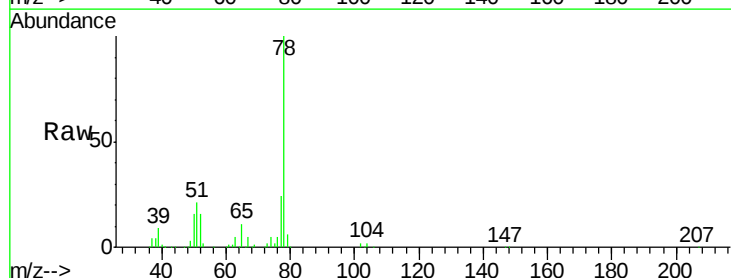
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

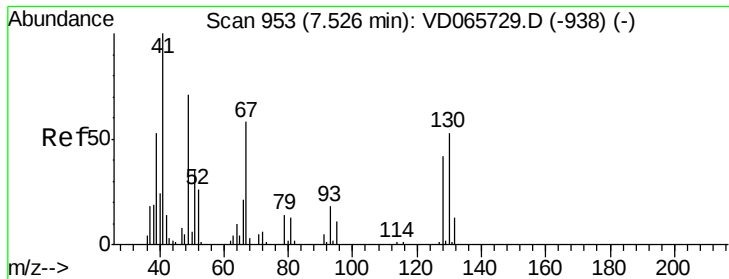
Tot Ion: 83 Resp: 334027
Ion Ratio Lower Upper
83 100
55 74.6 60.9 91.3
98 48.0 40.6 61.0



#40
Benzene
Concen: 49.955 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion: 78 Resp: 695148
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7





#41

Methacrylonitrile

Concen: 48.894 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

Tot Ion: 41 Resp: 58378

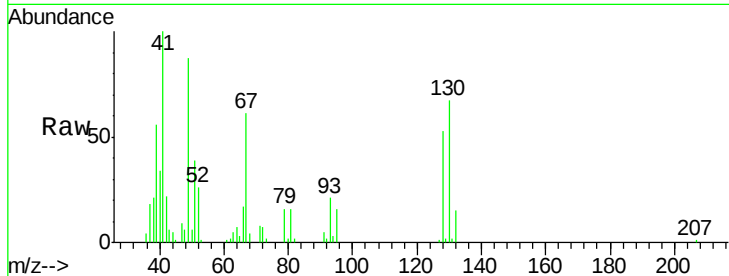
Ion Ratio Lower Upper

41 100

39 54.9 56.8 85.2#

67 69.9 57.9 86.9

52 31.7 25.9 38.9

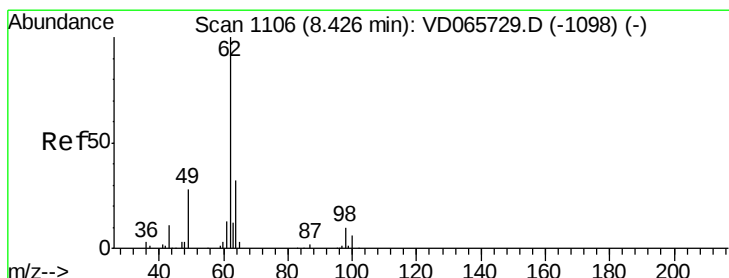
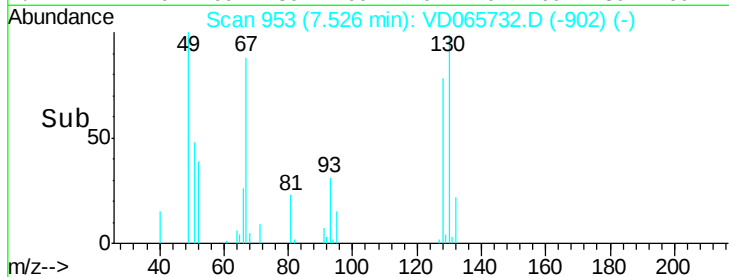
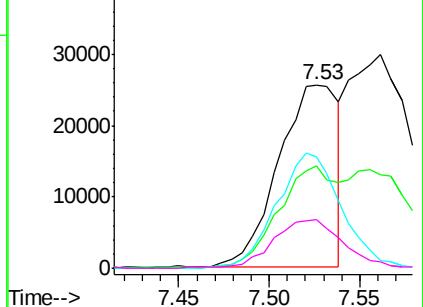


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 48.231 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065732.D

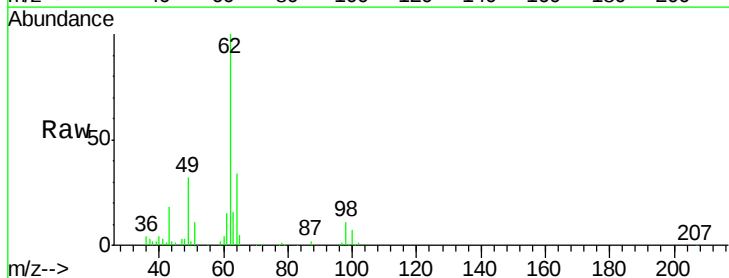
Acq: 13 May 2020 14:54

Tgt Ion: 62 Resp: 186874

Ion Ratio Lower Upper

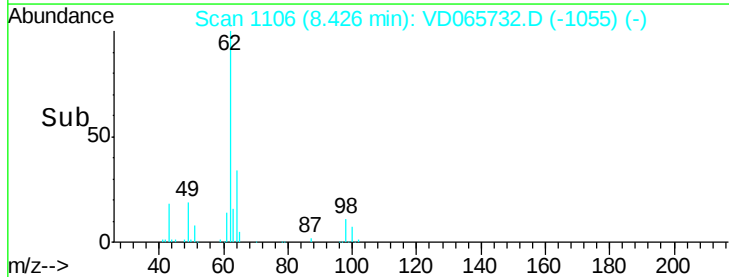
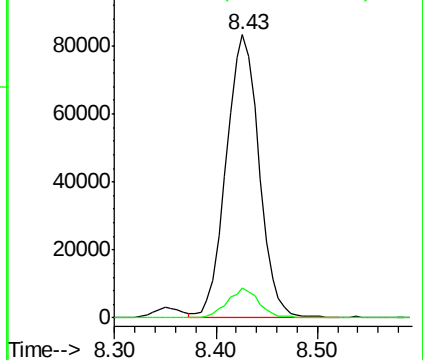
62 100

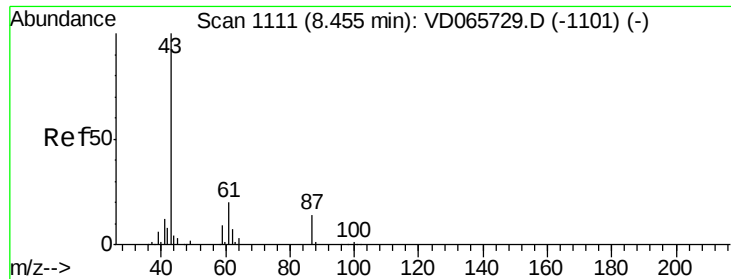
98 10.1 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 46.961 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

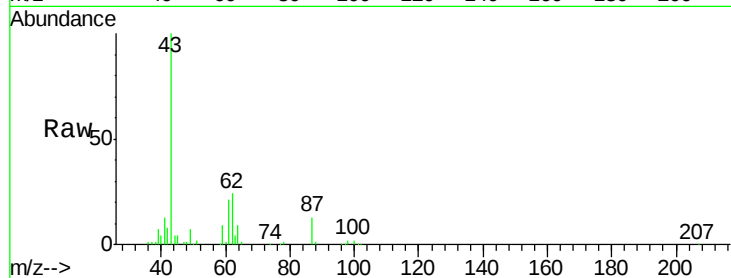
Tot Ion: 43 Resp: 201795

Ion Ratio Lower Upper

43 100

61 29.7 23.8 35.6

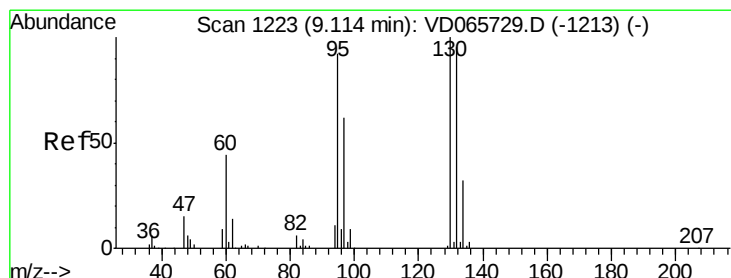
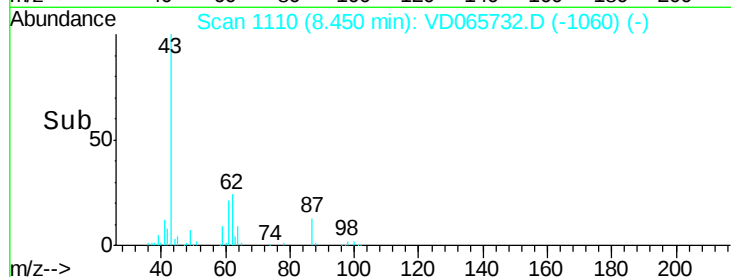
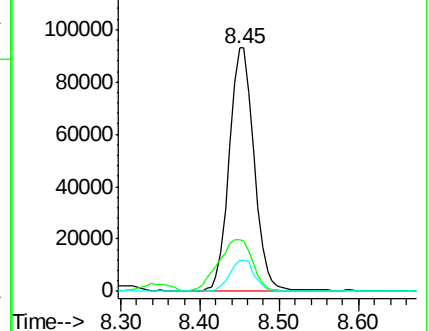
87 12.7 10.5 15.7



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: 49.720 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065732.D

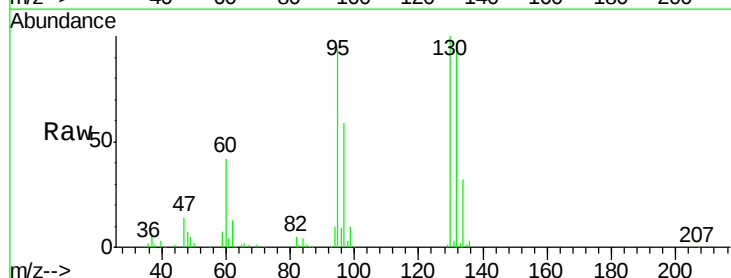
Acq: 13 May 2020 14:54

Tgt Ion: 130 Resp: 207134

Ion Ratio Lower Upper

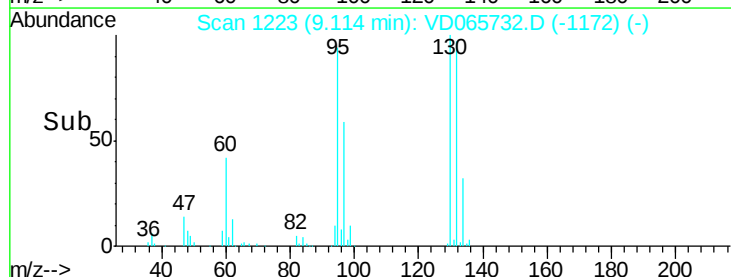
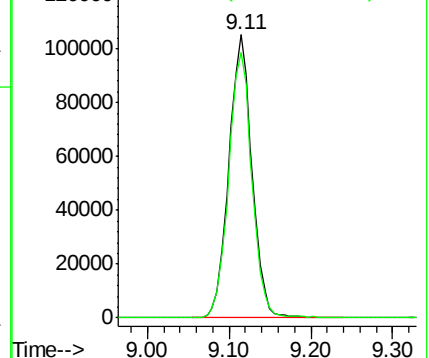
130 100

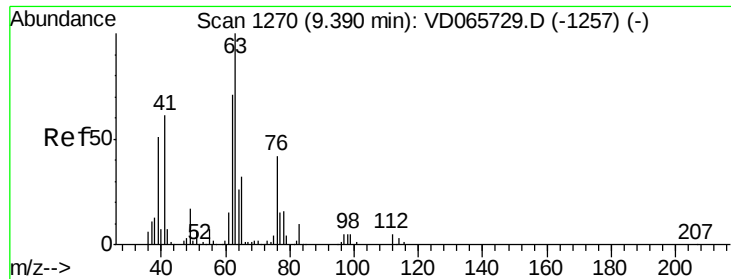
95 93.7 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

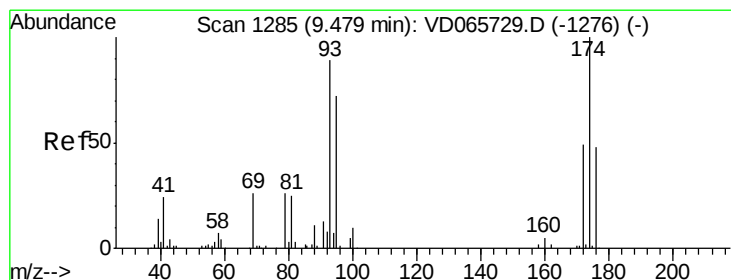
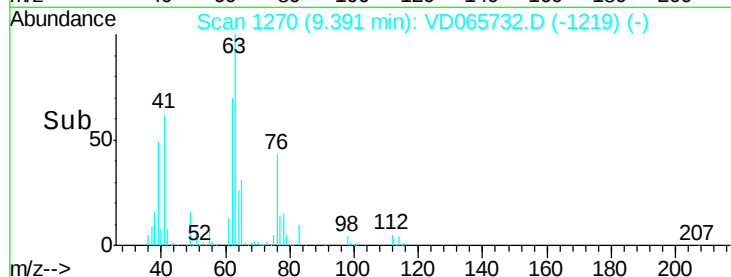
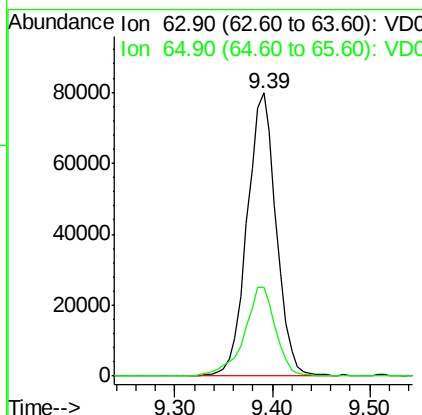
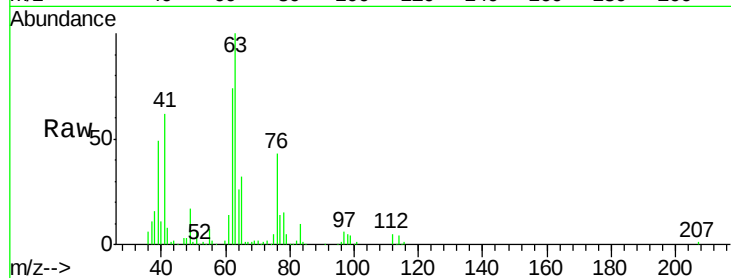




#45
 1,2-Dichloropropane
 Concen: 48.768 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

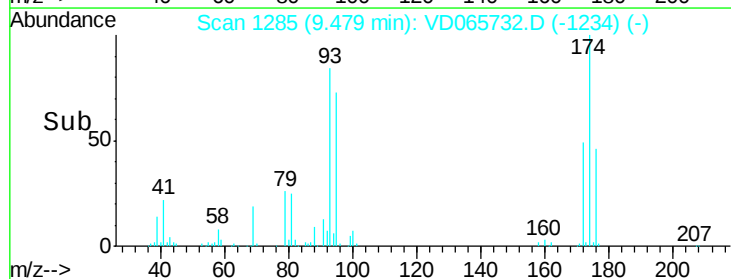
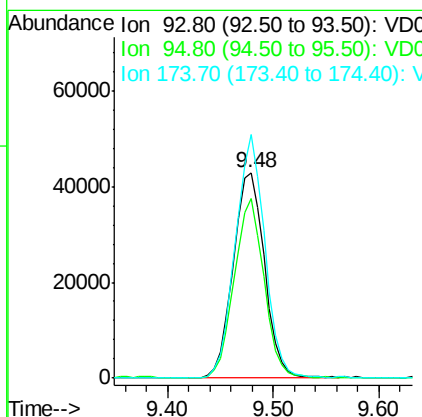
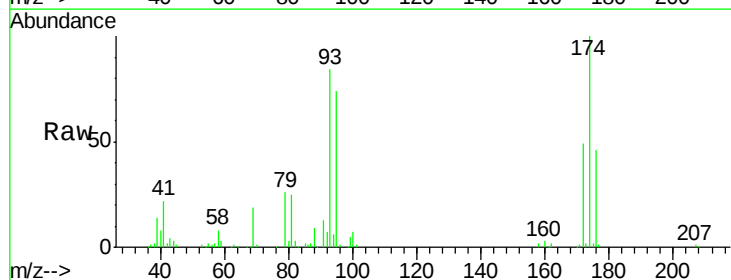
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD051320

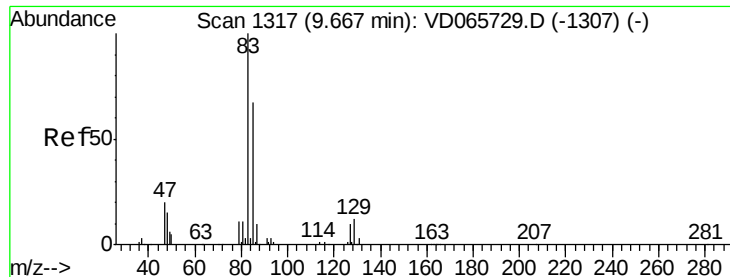
Tot Ion: 63 Resp: 167320
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.3 37.9



#46
 Dibromomethane
 Concen: 47.696 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Tgt Ion: 93 Resp: 88240
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.4 98.2
 174 111.2 89.9 134.9





#47

Bromodichloromethane

Concen: 48.770 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

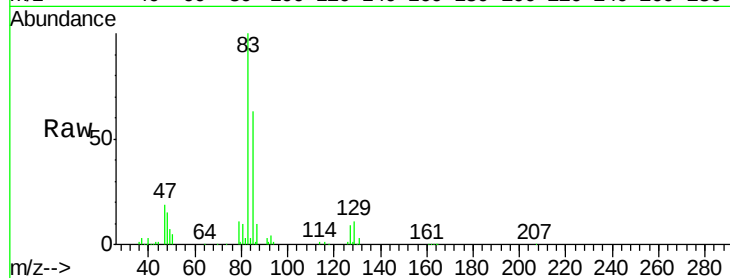
Tot Ion: 83 Resp: 236170

Ion Ratio Lower Upper

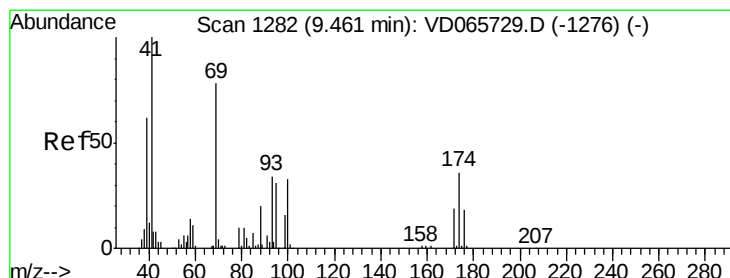
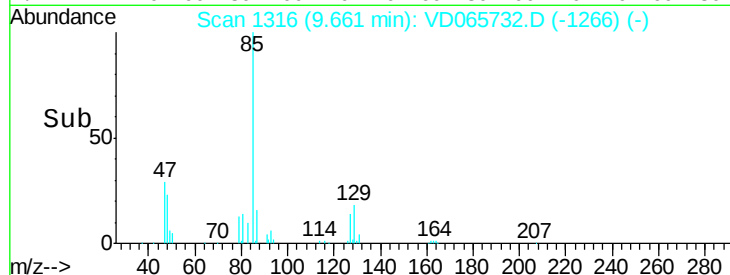
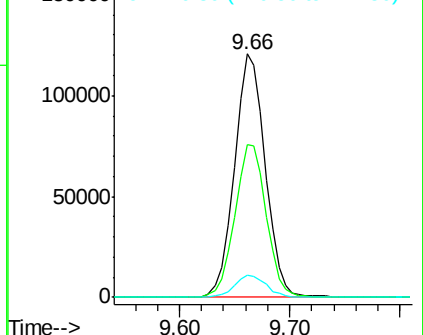
83 100

85 62.7 53.6 80.4

127 8.9 7.7 11.5



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: 48.269 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

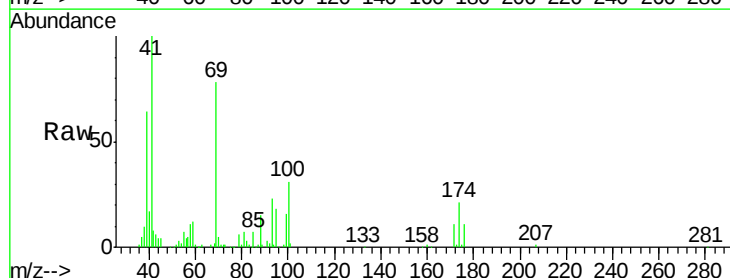
Tgt Ion: 41 Resp: 97360

Ion Ratio Lower Upper

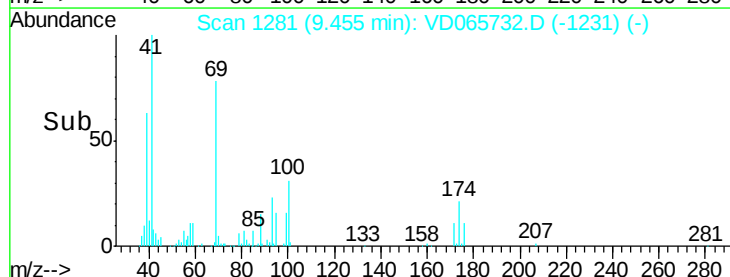
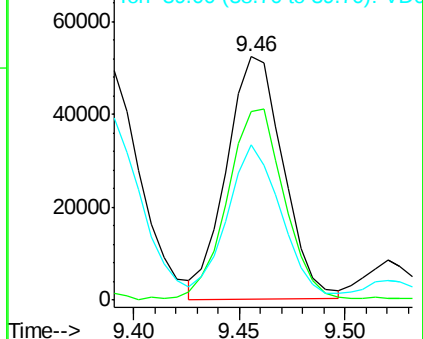
41 100

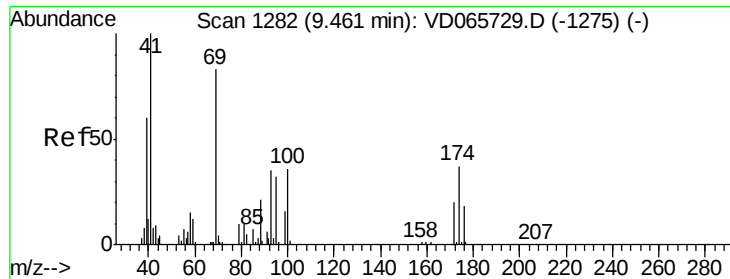
69 78.6 64.4 96.6

39 55.9 46.7 70.1



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

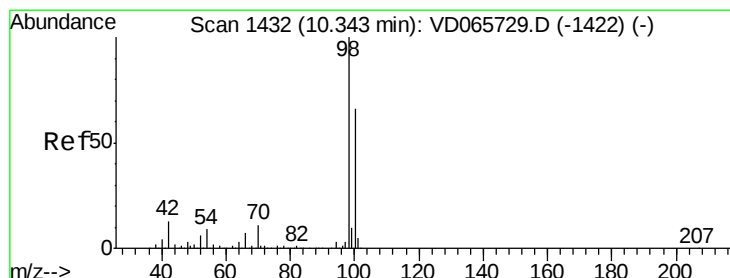
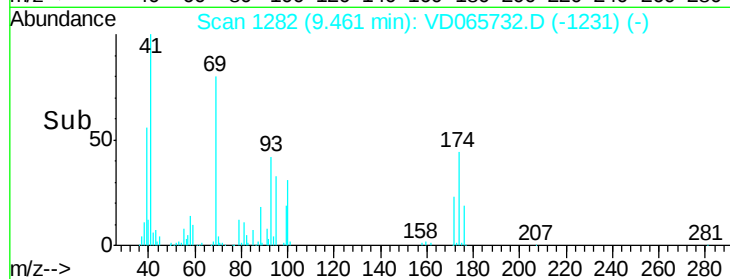
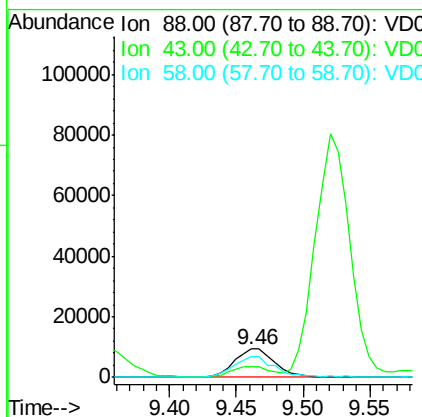
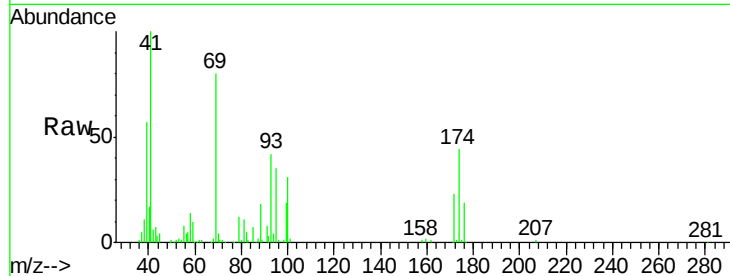




#49
1,4-Dioxane
Concen: 897.854 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

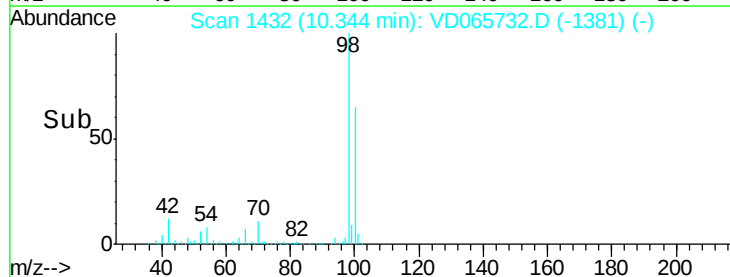
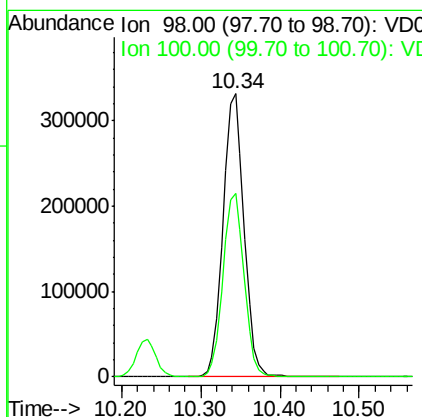
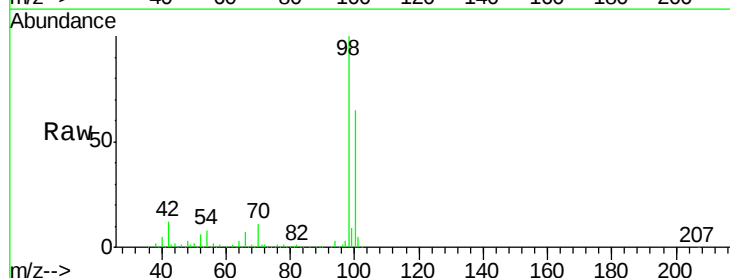
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

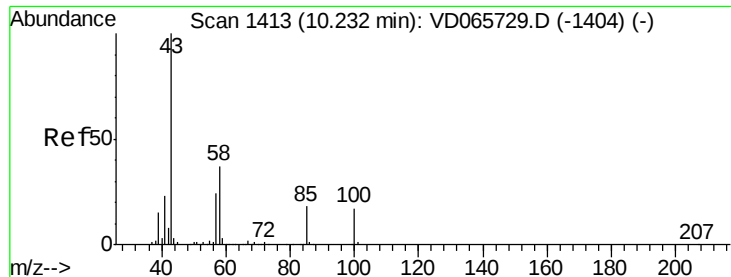
Tot Ion: 88 Resp: 19599
Ion Ratio Lower Upper
88 100
43 40.2 29.4 44.0
58 78.8 55.1 82.7



#50
Toluene-d8
Concen: 48.386 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion: 98 Resp: 608135
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

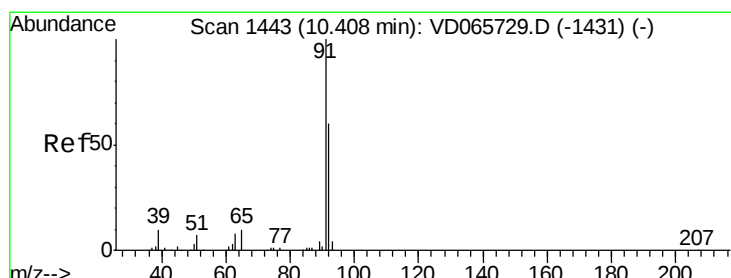
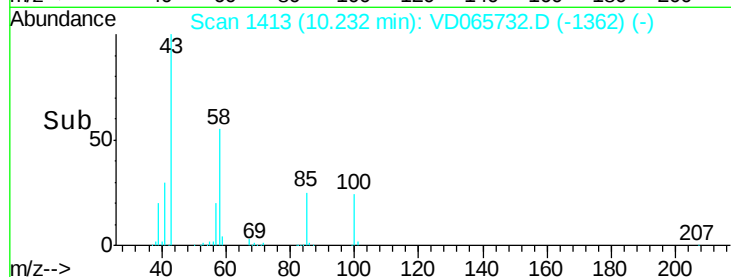
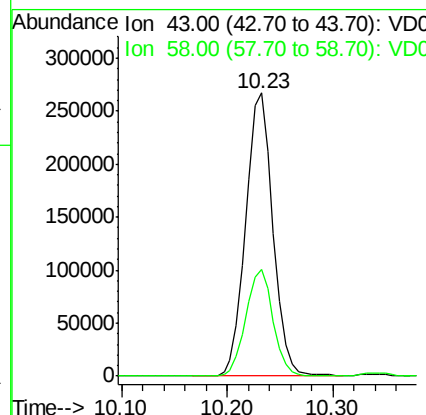
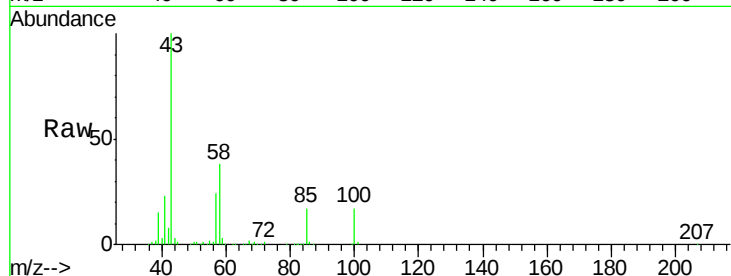




#51
4-Methyl-2-Pentanone
Concen: 232.512 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

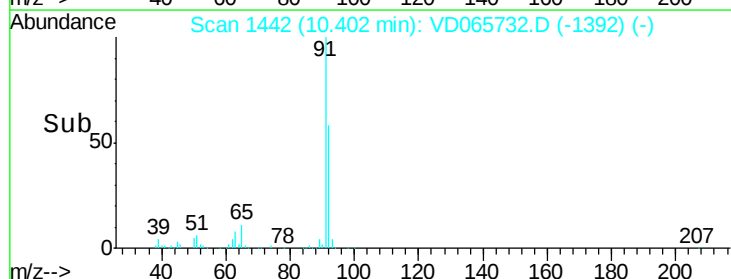
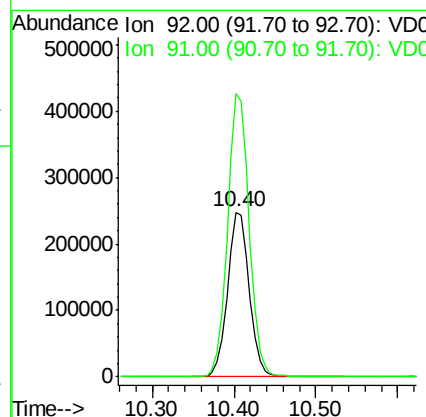
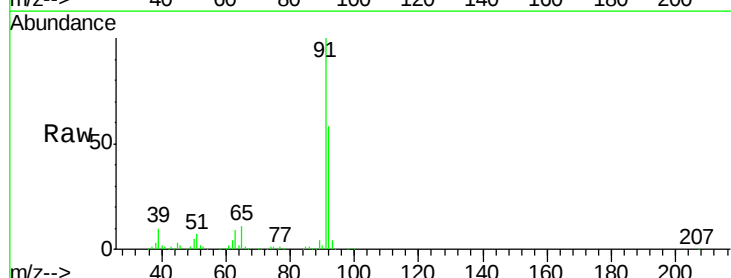
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

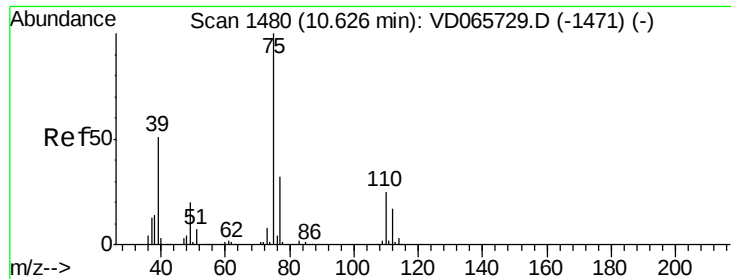
Tot Ion: 43 Resp: 478123
Ion Ratio Lower Upper
43 100
58 37.8 30.2 45.2



#52
Toluene
Concen: 50.014 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion: 92 Resp: 455950
Ion Ratio Lower Upper
92 100
91 171.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 48.591 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

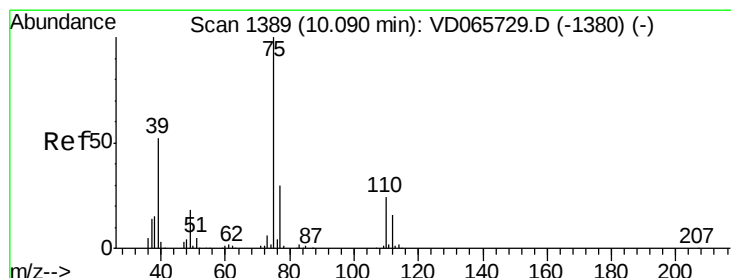
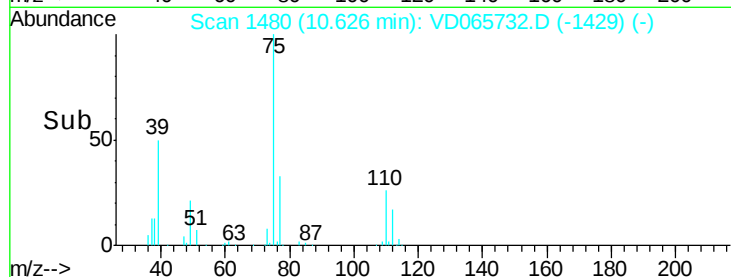
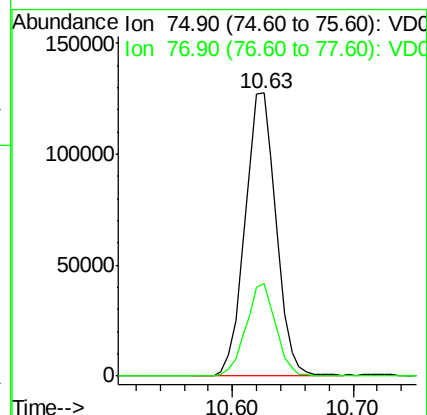
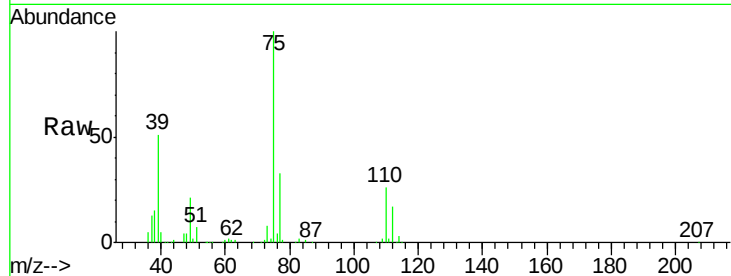
ICVVD051320

Tot Ion: 75 Resp: 229877

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 48.251 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

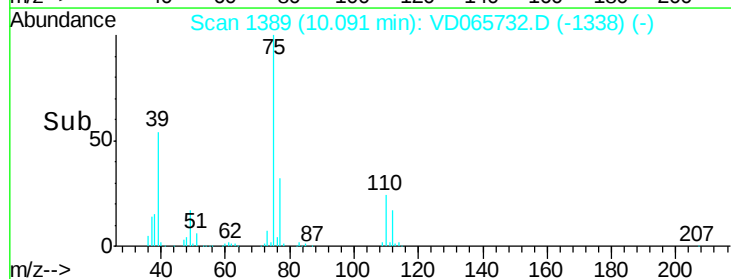
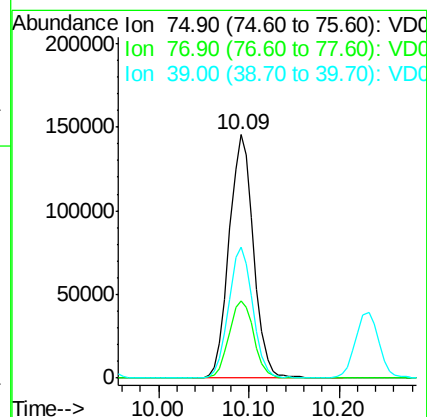
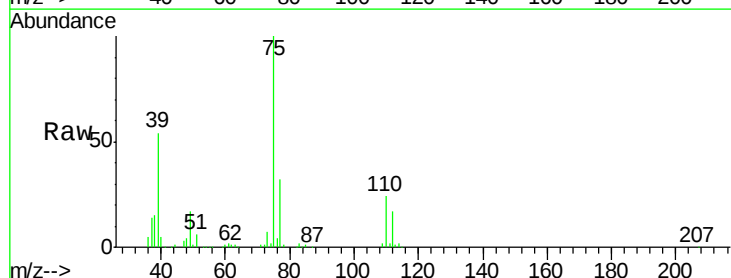
Tgt Ion: 75 Resp: 271516

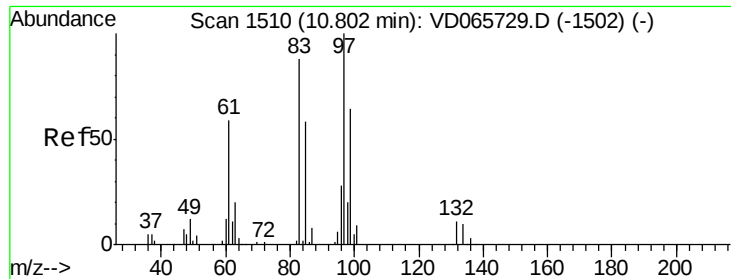
Ion Ratio Lower Upper

75 100

77 32.0 23.8 35.6

39 53.9 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 47.493 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

Tot Ion: 97 Resp: 119696

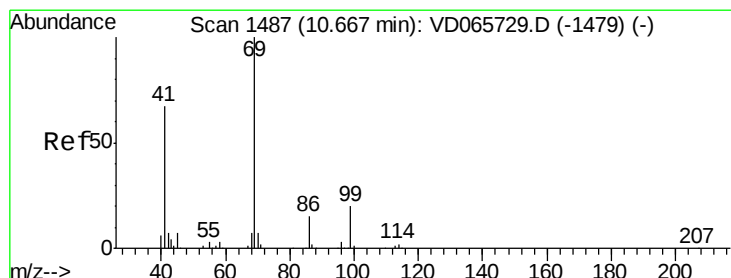
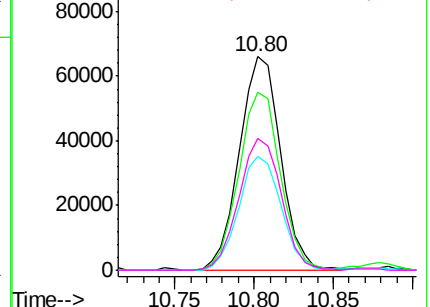
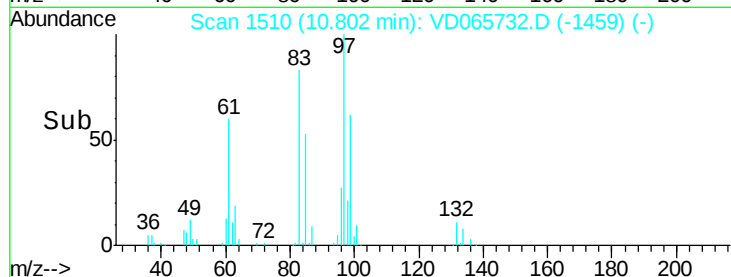
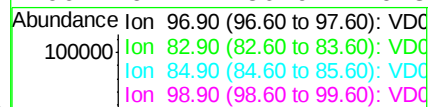
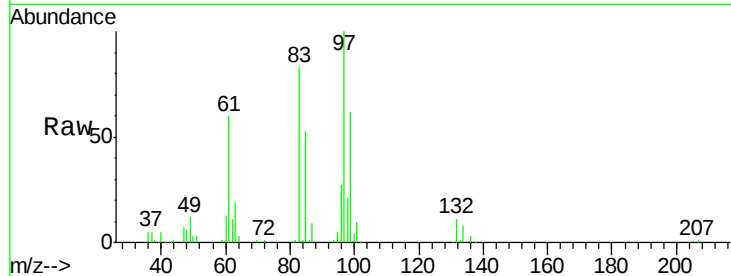
Ion	Ratio	Lower	Upper
97	100		
83	83.1	70.7	106.1
85	53.4	46.8	70.2
99	61.7	50.9	76.3

97 100

83 83.1 70.7 106.1

85 53.4 46.8 70.2

99 61.7 50.9 76.3



#56

Ethyl methacrylate

Concen: 48.361 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

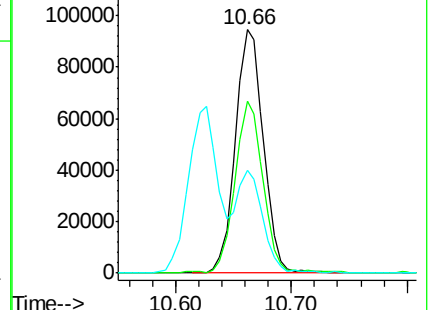
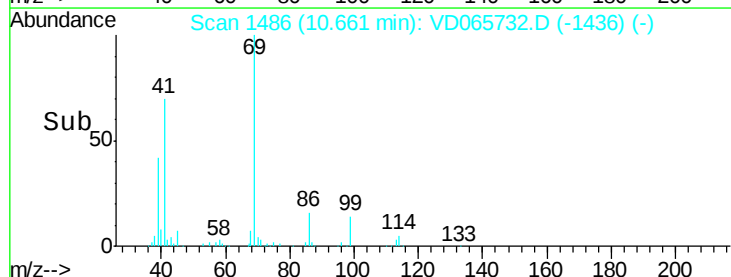
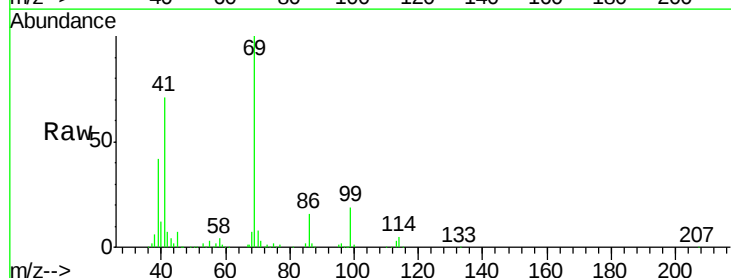
Tgt Ion: 69 Resp: 158858

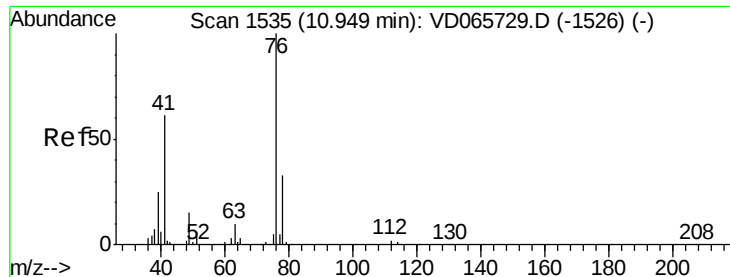
Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.7	83.5
39	40.6	28.6	43.0

69 100

41 69.8 55.7 83.5

39 40.6 28.6 43.0

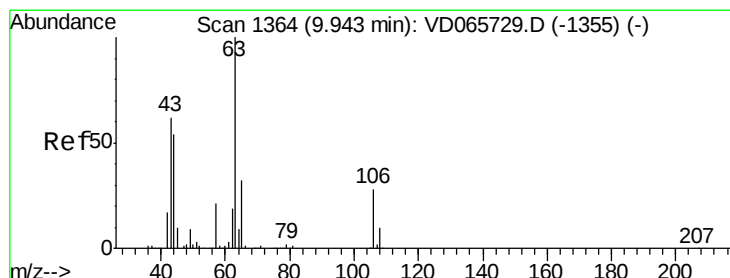
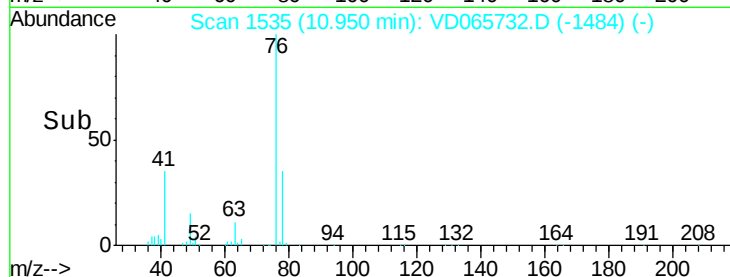
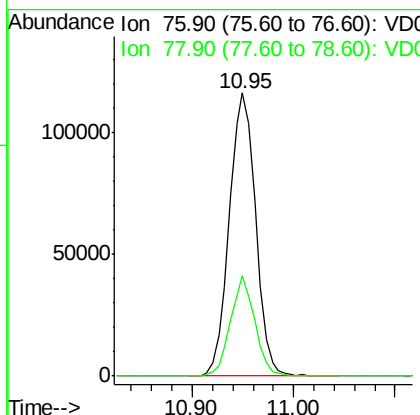
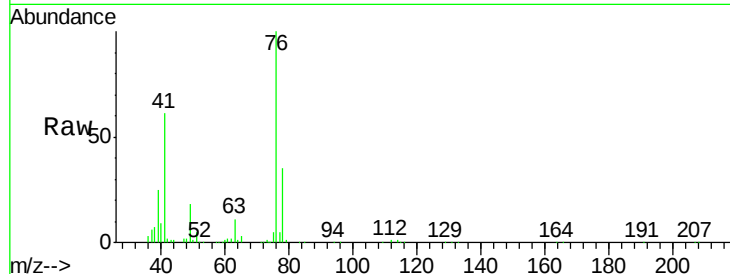




#57
 1,3-Dichloropropane
 Concen: 47.781 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

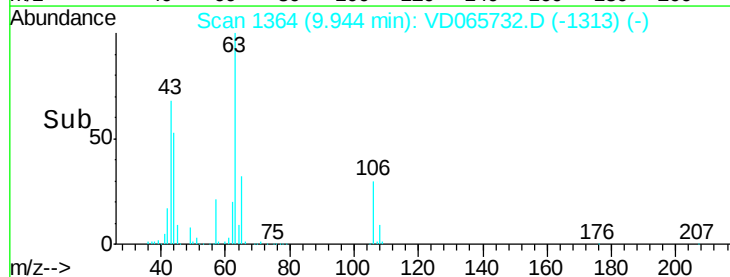
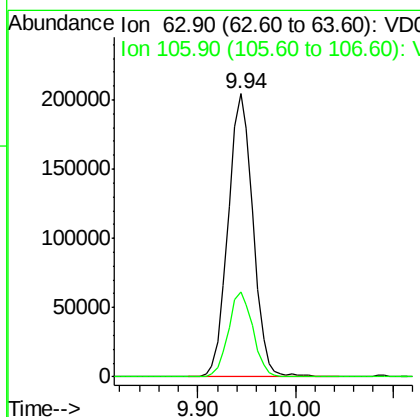
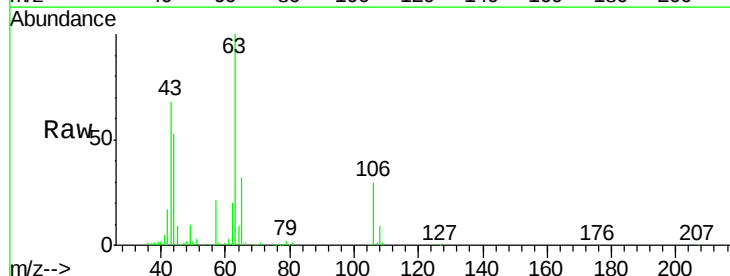
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD051320

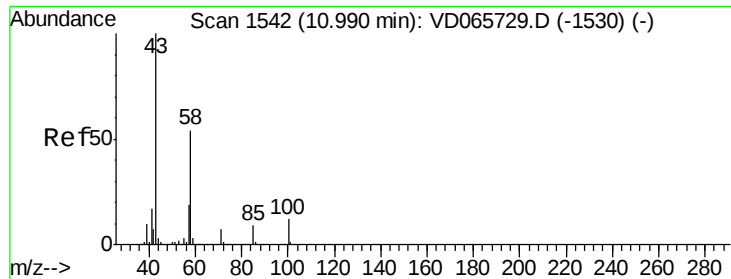
Tot Ion: 76 Resp: 209452
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.697 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Tgt Ion: 63 Resp: 361724
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.5 35.3

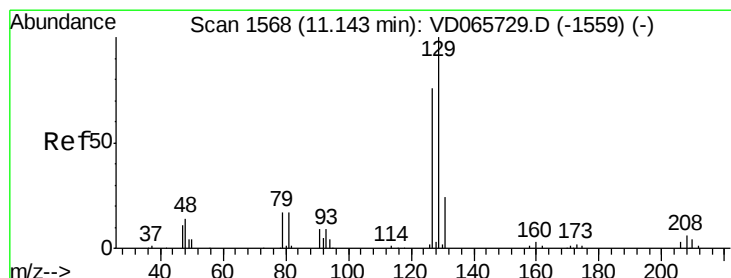
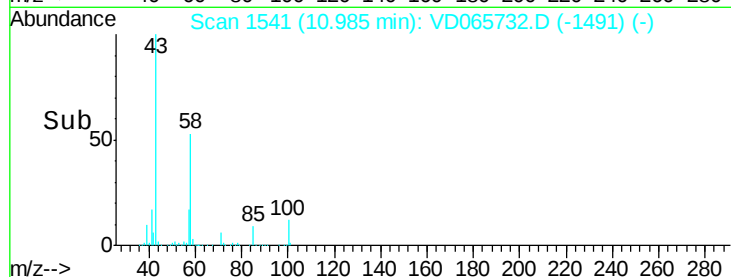
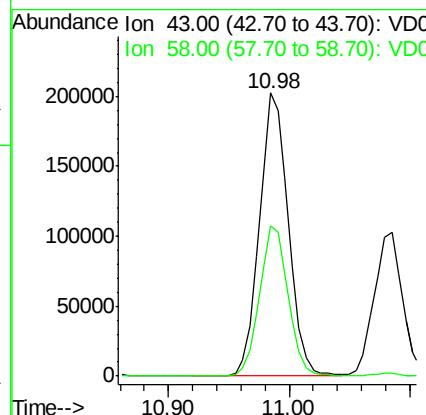
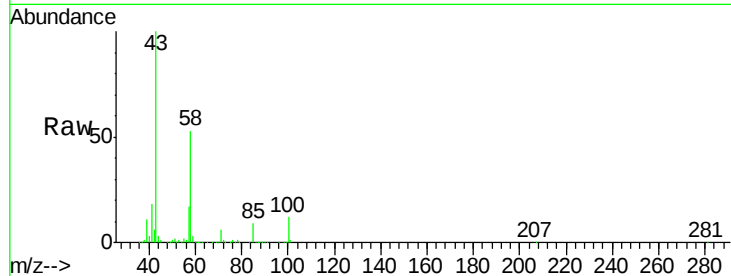




#59
2-Hexanone
Concen: 241.530 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

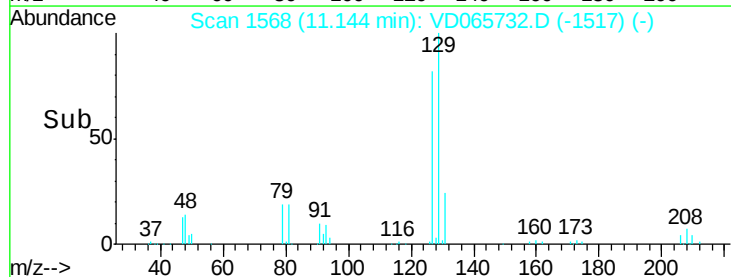
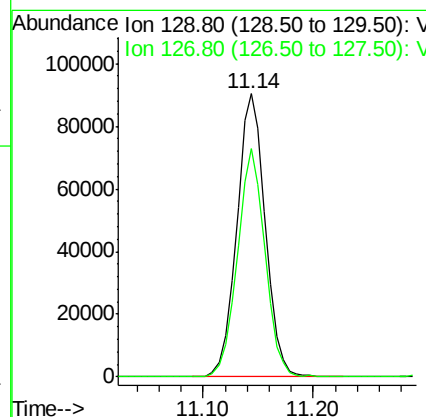
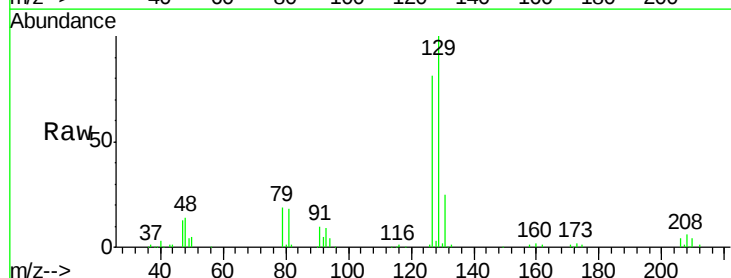
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

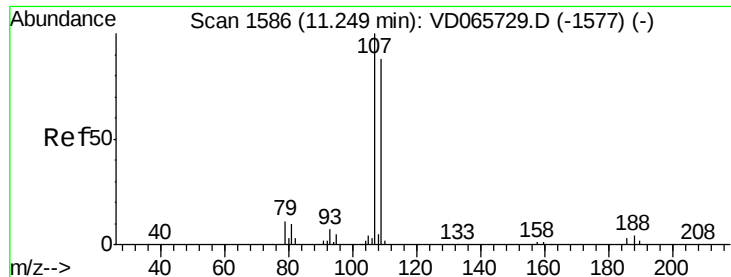
Tot Ion: 43 Resp: 338218
Ion Ratio Lower Upper
43 100
58 52.7 26.7 80.1



#60
Dibromochloromethane
Concen: 48.277 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion: 129 Resp: 162934
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.9

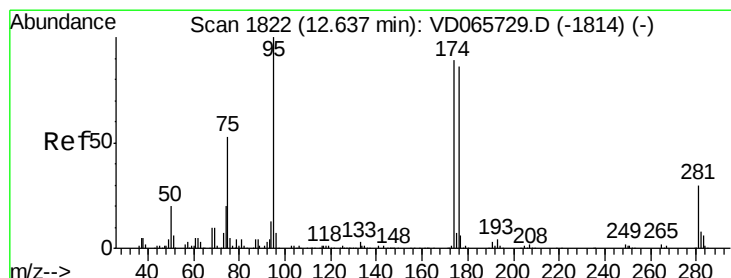
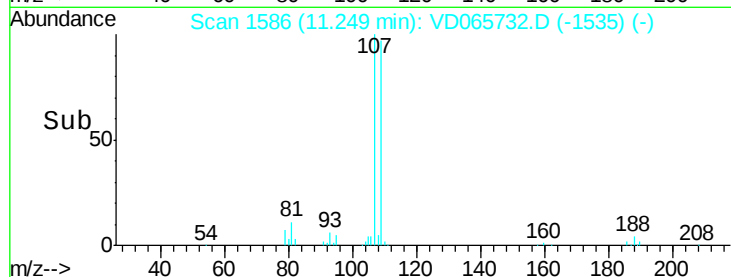
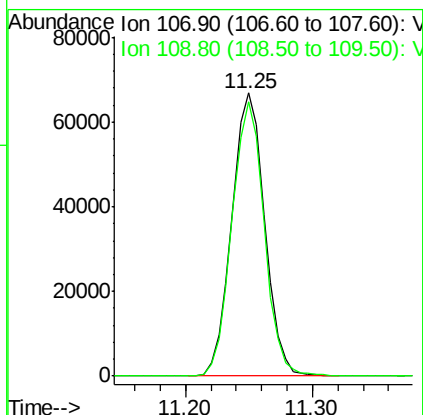
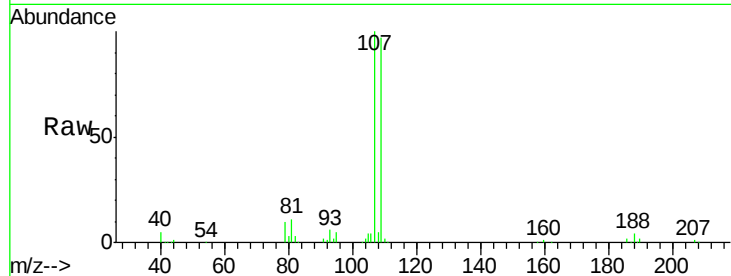




#61
 1,2-Dibromoethane
 Concen: 47.532 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

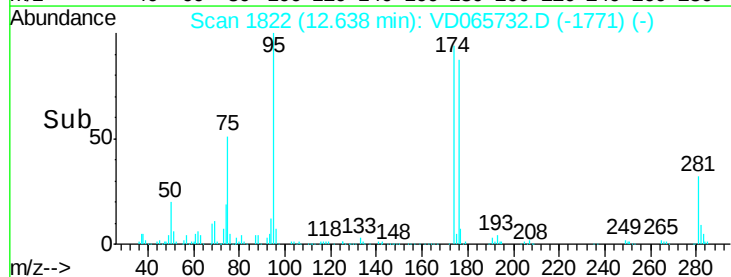
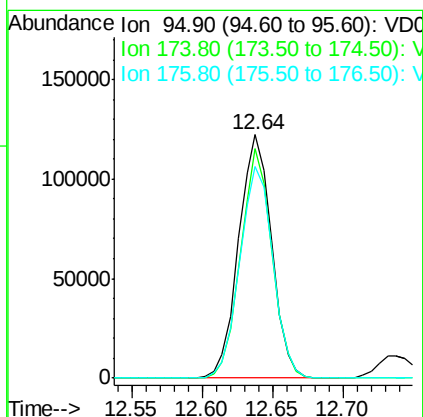
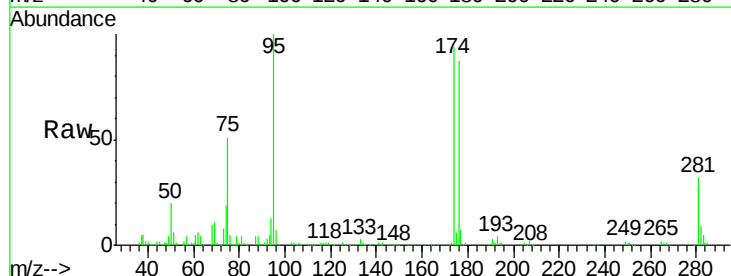
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD051320

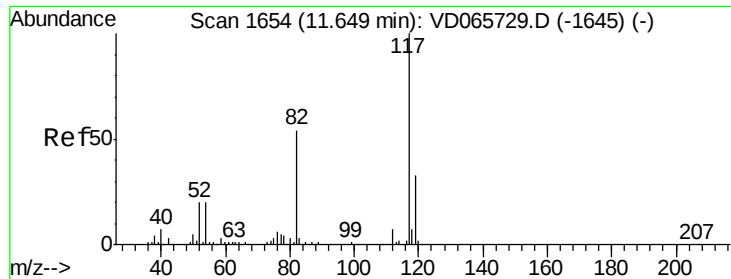
Tot Ion:107 Resp: 119644
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 46.818 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Tgt Ion: 95 Resp: 199274
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 179.4
 176 87.6 0.0 174.0

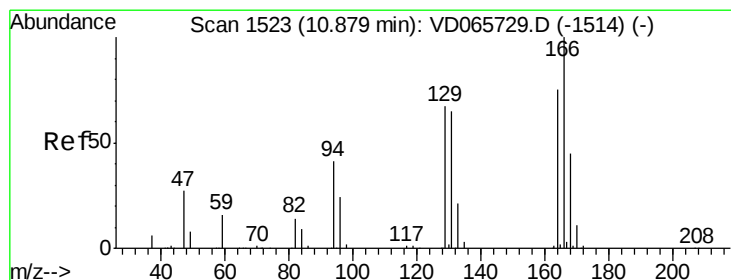
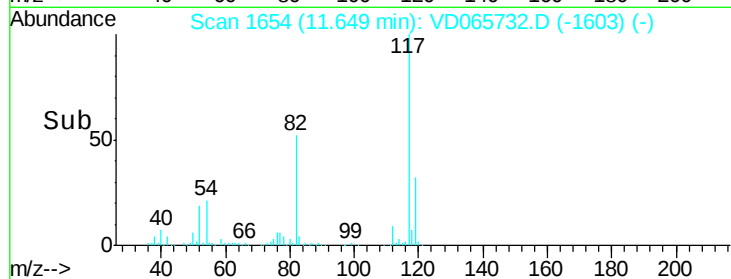
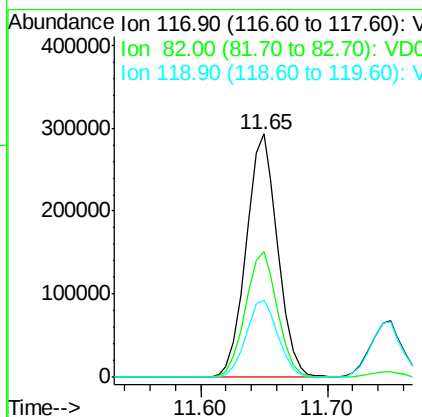
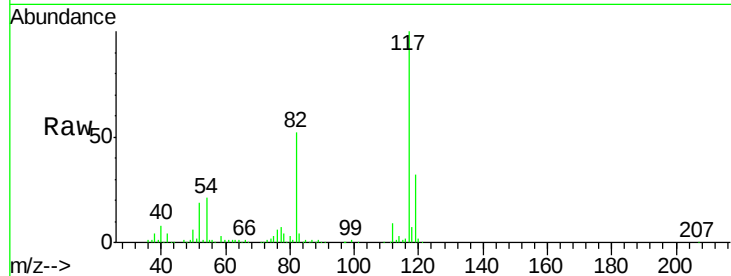




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

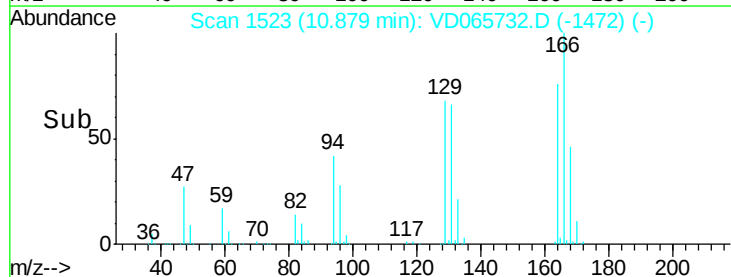
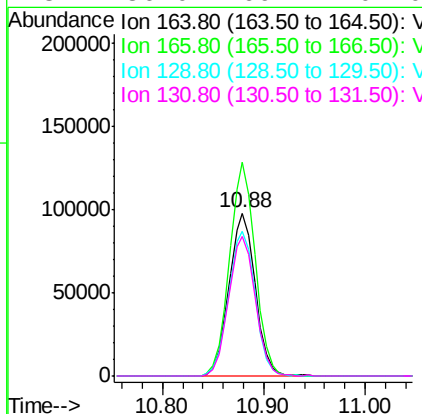
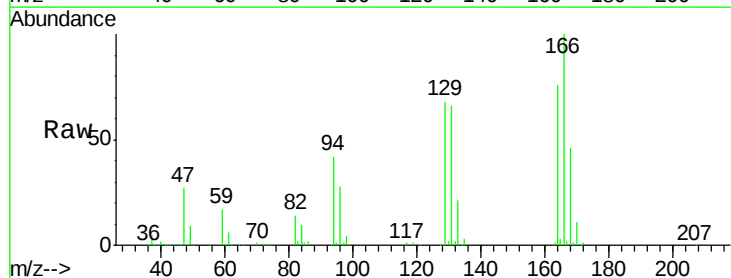
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

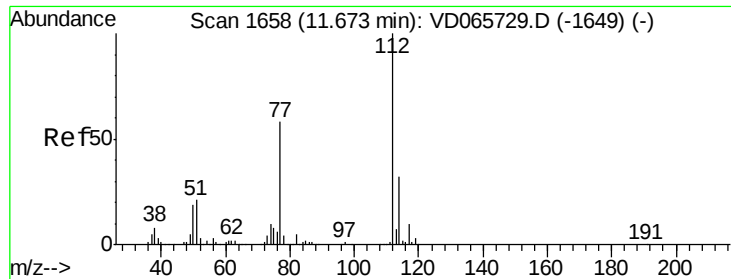
Tot Ion:117 Resp: 504207
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.6
119 31.8 26.6 40.0



#64
Tetrachloroethene
Concen: 50.213 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion:164 Resp: 175068
Ion Ratio Lower Upper
164 100
166 131.1 106.6 159.8
129 88.9 71.4 107.2
131 86.0 69.4 104.0

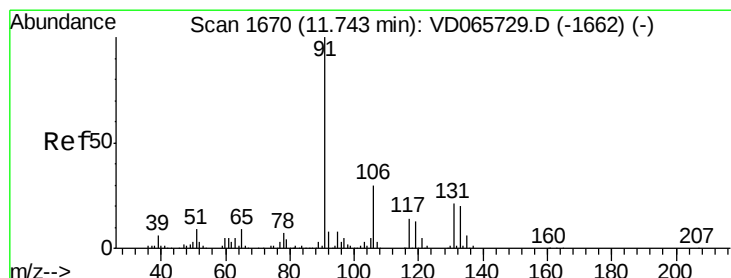
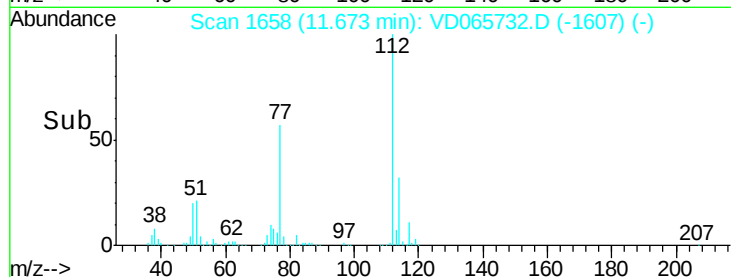
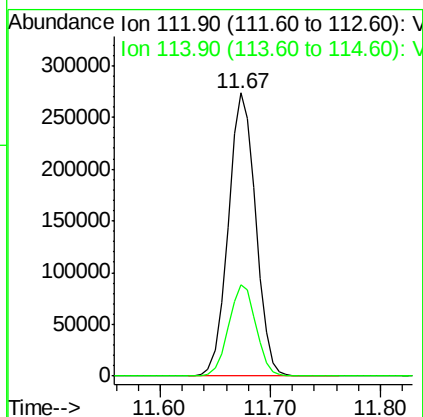
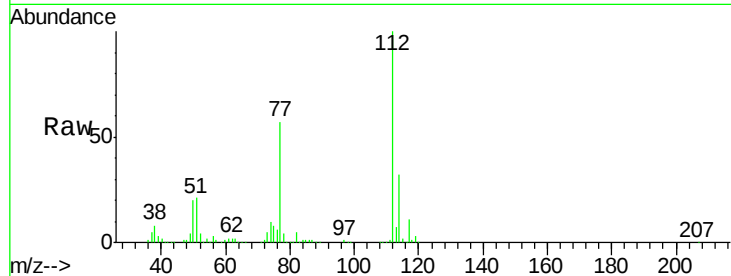




#65
Chlorobenzene
Concen: 49.909 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

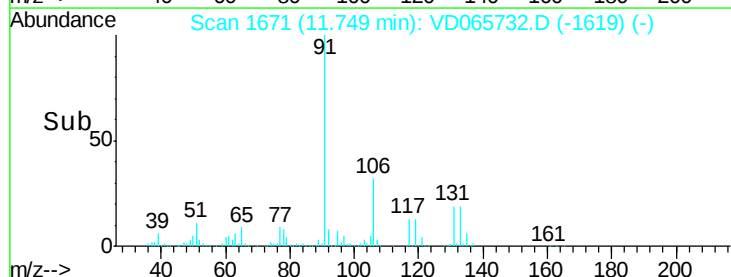
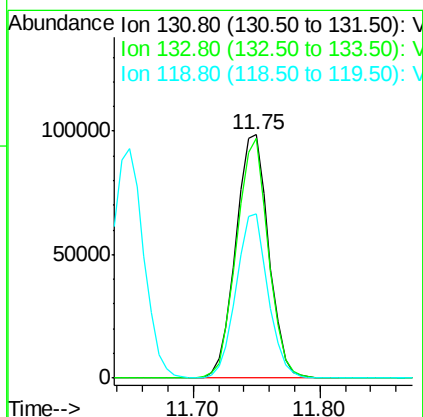
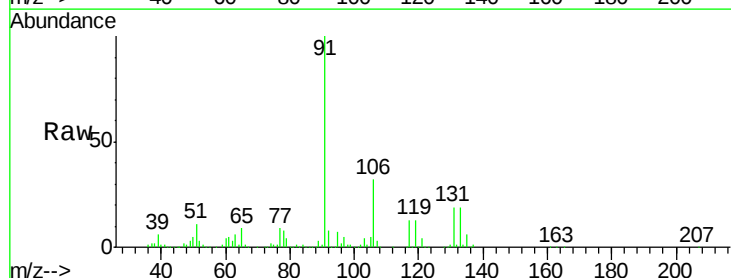
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

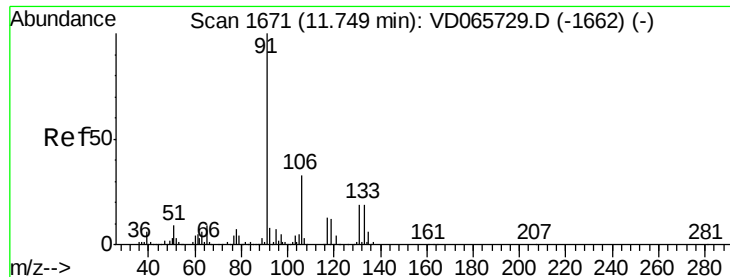
Tot Ion:112 Resp: 474199
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.762 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion:131 Resp: 177015
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.8
119 65.1 31.6 95.0





#67

Ethyl Benzene

Concen: 51.634 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

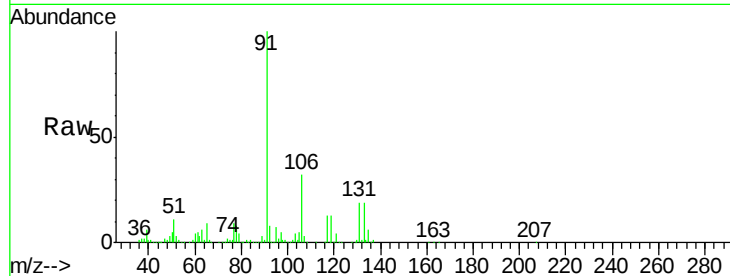
ICVVD051320

Tot Ion: 91 Resp: 874753

Ion Ratio Lower Upper

91 100

106 32.2 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

800000

600000

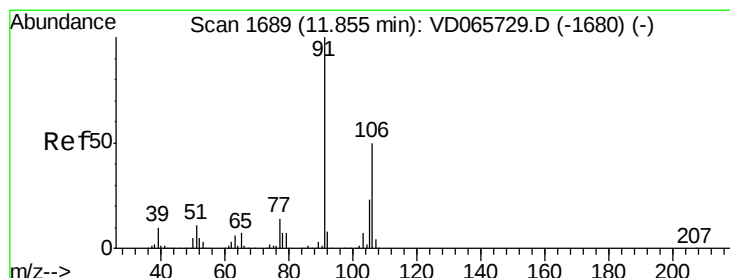
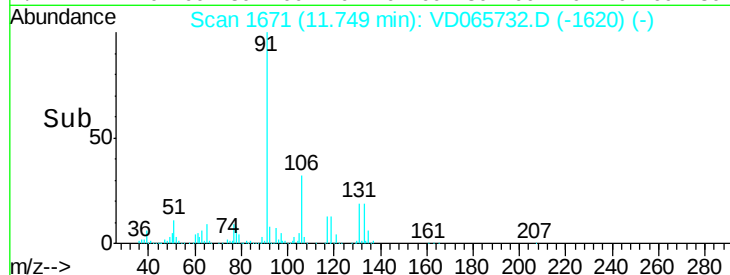
400000

200000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 102.736 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065732.D

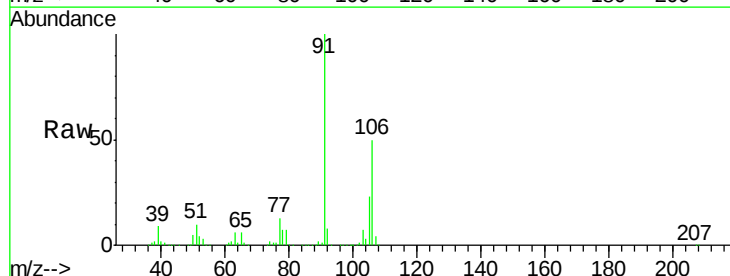
Acq: 13 May 2020 14:54

Tgt Ion: 106 Resp: 664752

Ion Ratio Lower Upper

106 100

91 197.2 158.7 238.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

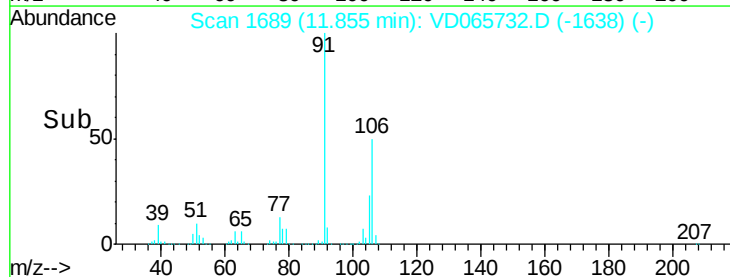
400000

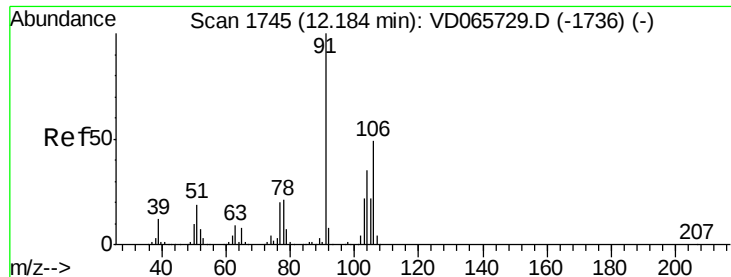
200000

0

11.80 11.85 11.90 12.00

Time-->

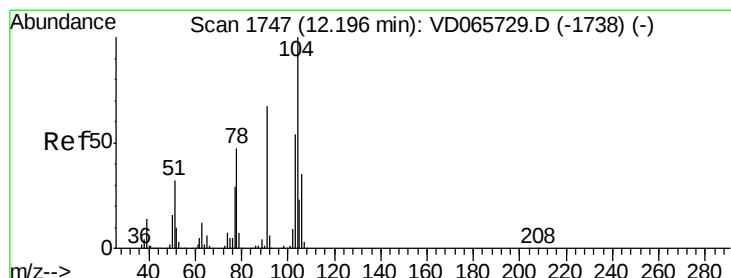
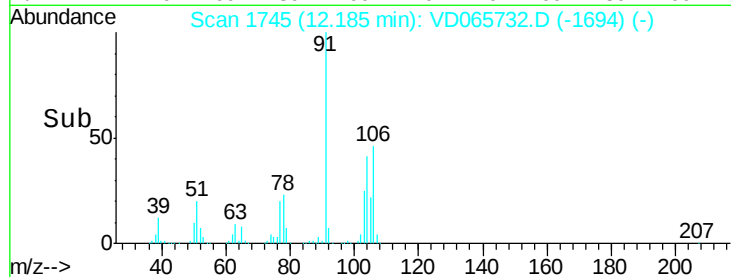
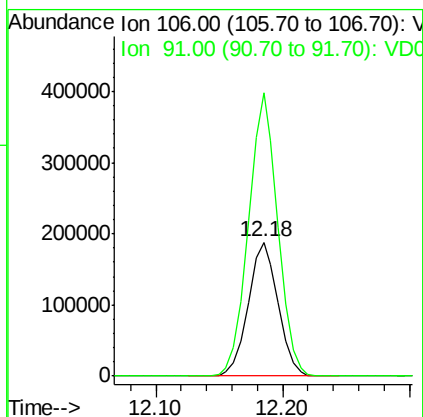
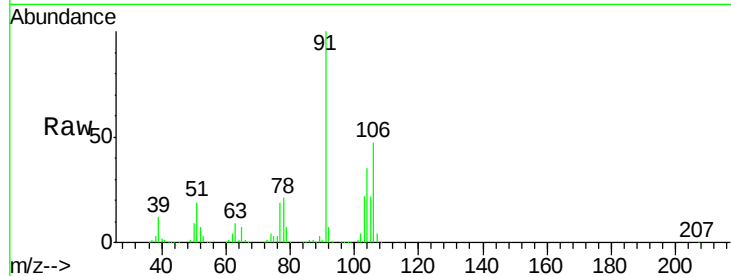




#69
o-Xylene
Concen: 50.994 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

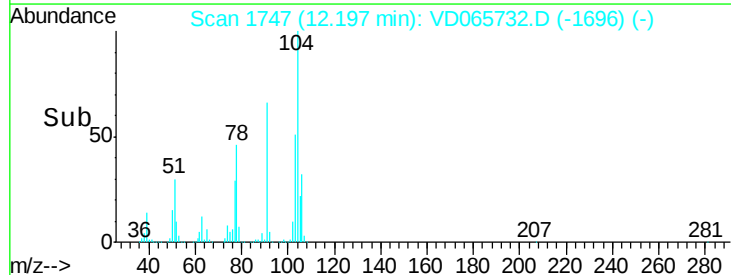
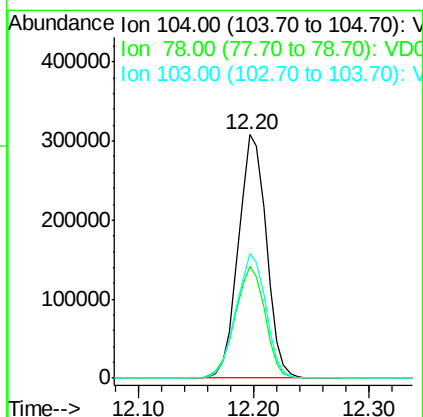
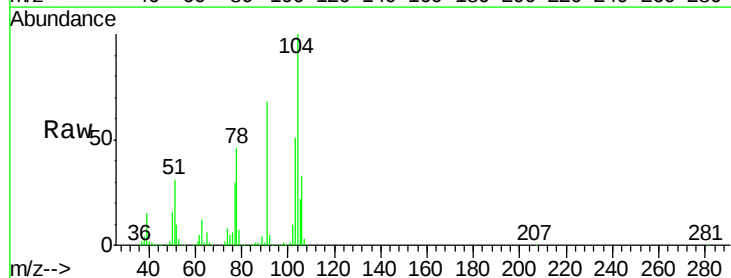
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

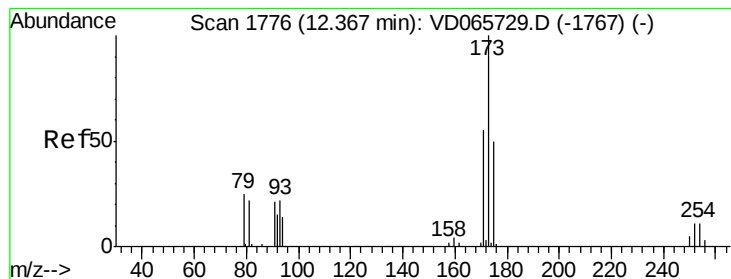
Tot Ion:106 Resp: 307161
Ion Ratio Lower Upper
106 100
91 207.3 101.8 305.4



#70
Styrene
Concen: 50.373 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion:104 Resp: 517817
Ion Ratio Lower Upper
104 100
78 49.0 39.0 58.6
103 54.5 44.0 66.0





#71

Bromoform

Concen: 49.474 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

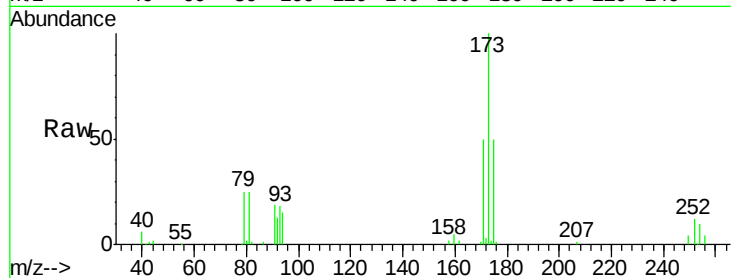
Tot Ion:173 Resp: 97132

Ion Ratio Lower Upper

173 100

175 49.0 24.6 73.6

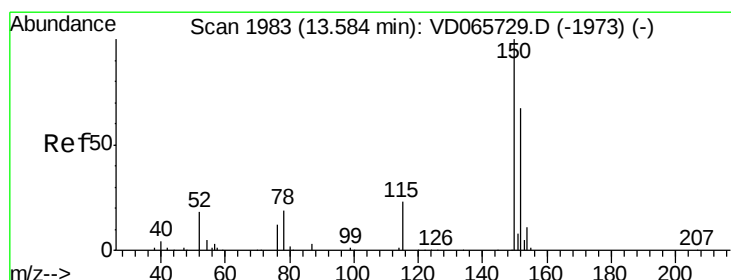
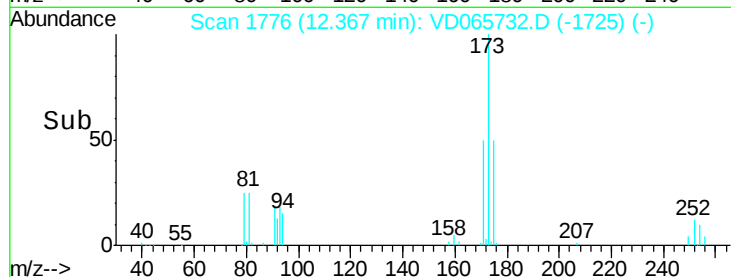
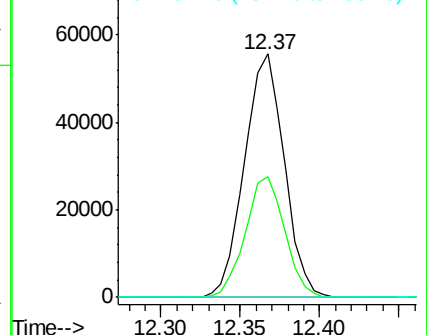
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

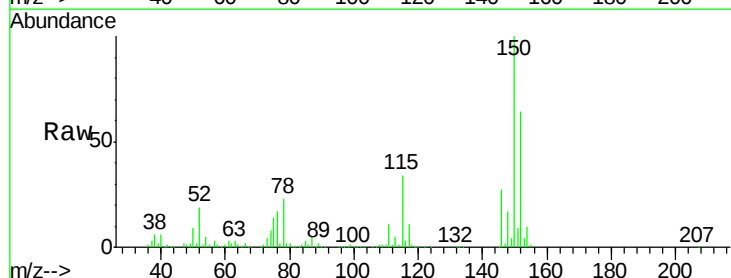
Tgt Ion:152 Resp: 244243

Ion Ratio Lower Upper

152 100

115 54.5 28.1 84.3

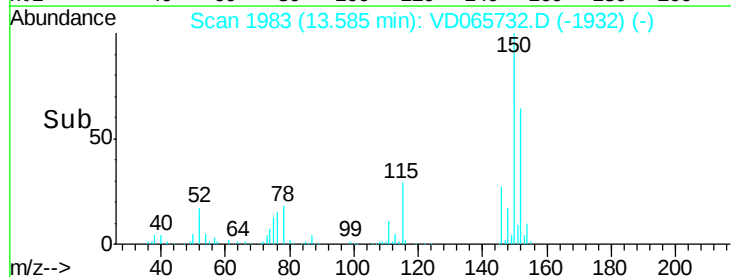
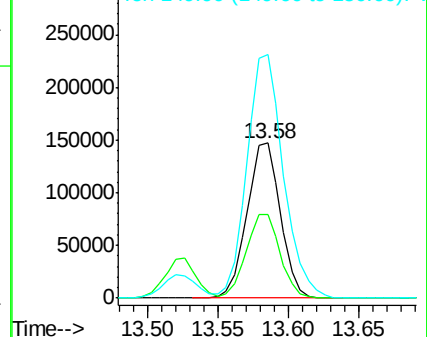
150 171.6 0.0 343.2

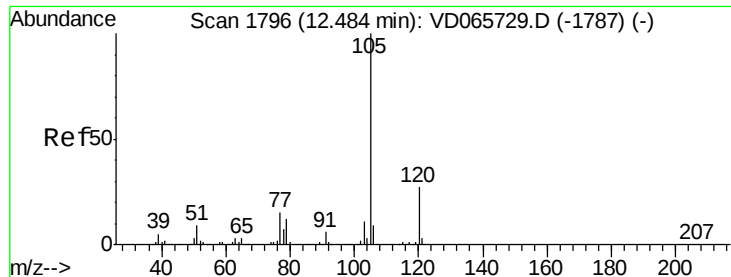


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.936 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

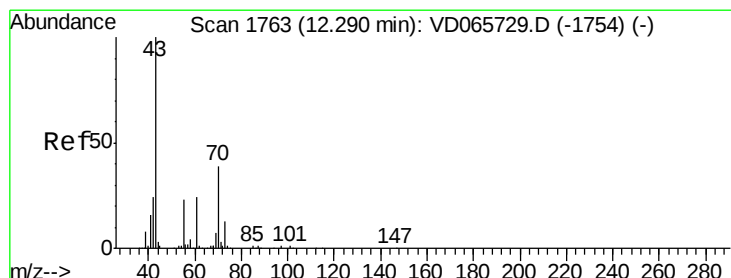
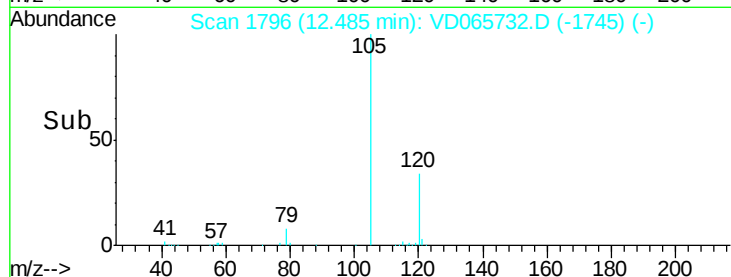
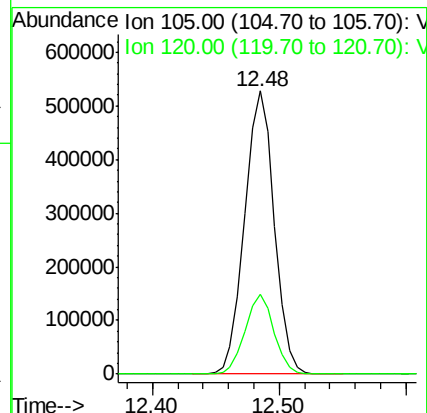
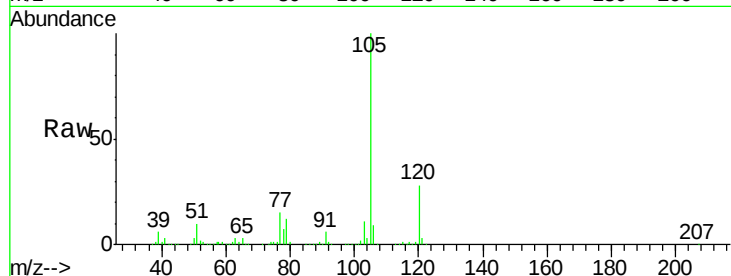
ICVVD051320

Tot Ion:105 Resp: 851595

Ion Ratio Lower Upper

105 100

120 27.5 13.7 41.0



#74

N-ethyl acetate

Concen: 48.488 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Tgt Ion: 43 Resp: 184595

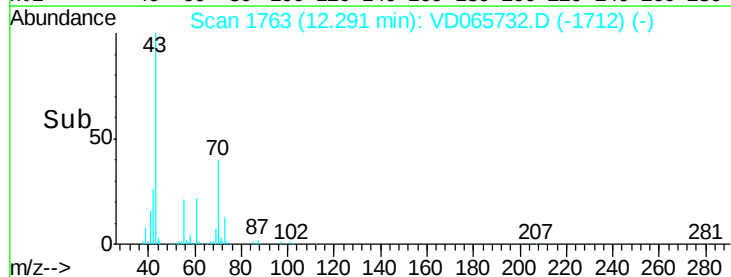
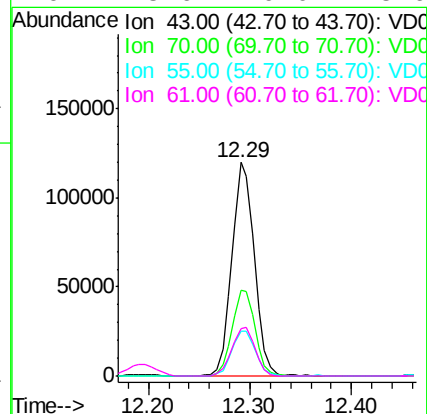
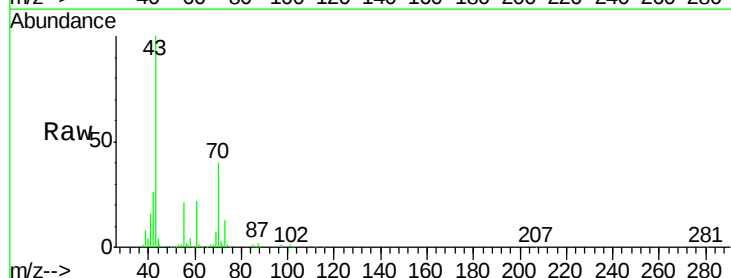
Ion Ratio Lower Upper

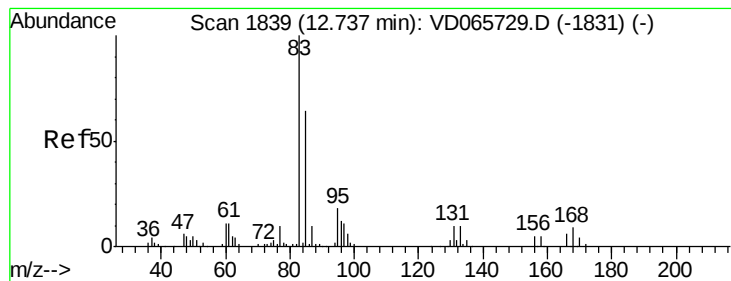
43 100

70 40.8 31.8 47.6

55 22.2 17.9 26.9

61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.551 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

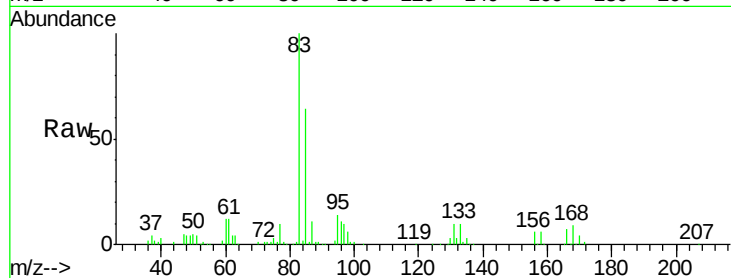
Tot Ion: 83 Resp: 128597

Ion Ratio Lower Upper

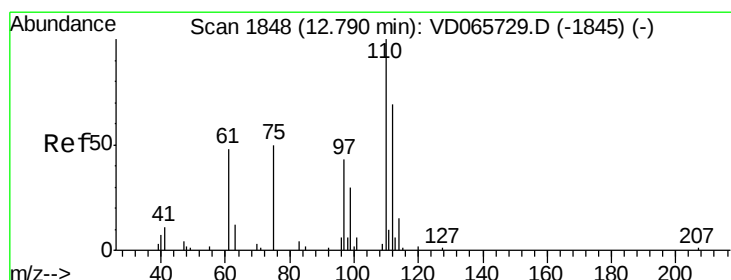
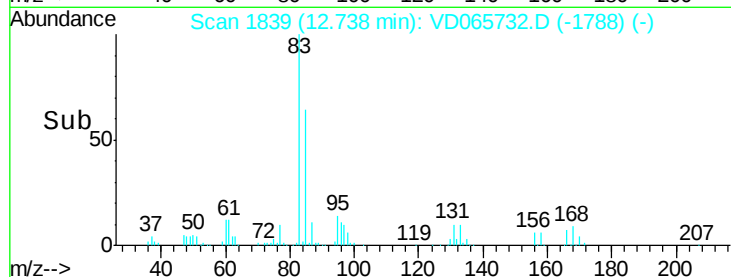
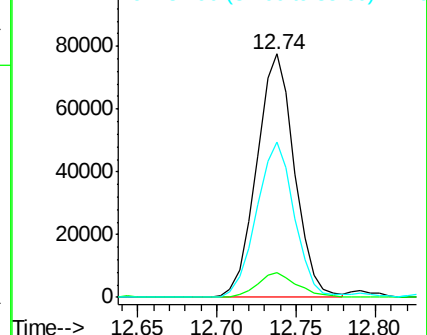
83 100

131 10.5 5.9 17.6

85 63.4 32.5 97.4



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: 43.036 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065732.D

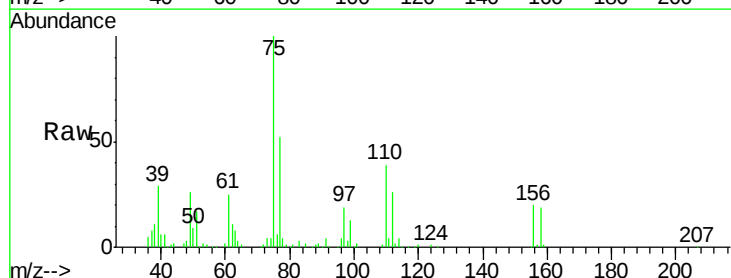
Acq: 13 May 2020 14:54

Tgt Ion: 75 Resp: 78447

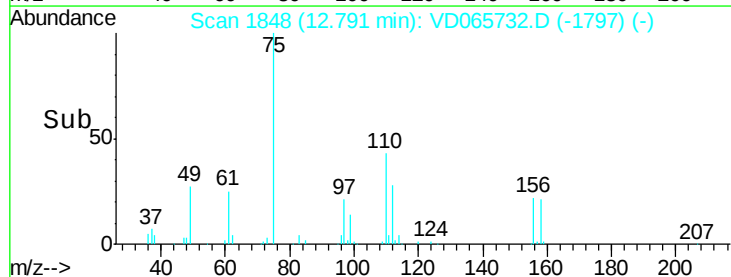
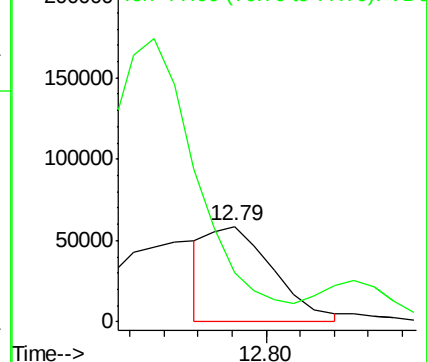
Ion Ratio Lower Upper

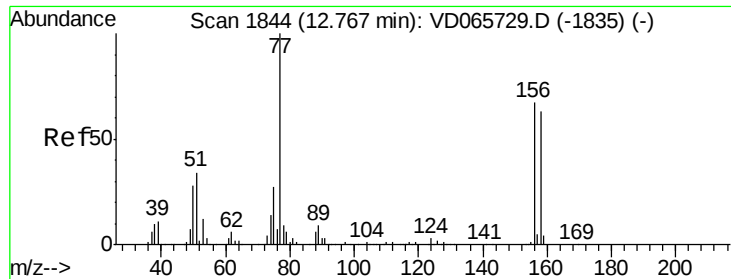
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 51.094 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

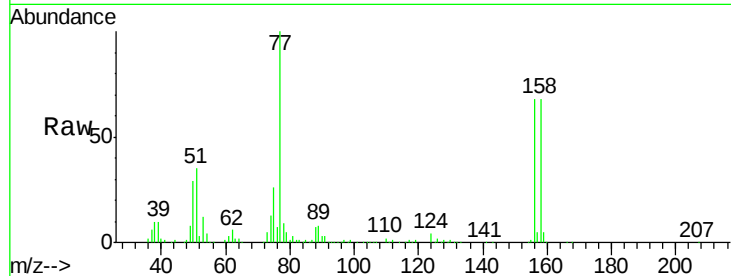
Tot Ion:156 Resp: 201938

Ion Ratio Lower Upper

156 100

77 163.3 84.9 254.6

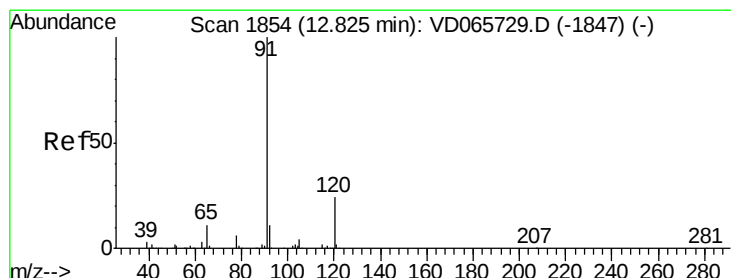
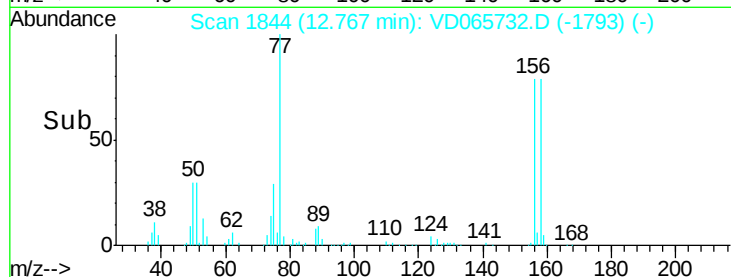
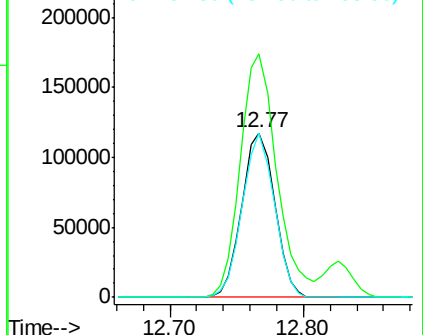
158 96.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.666 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065732.D

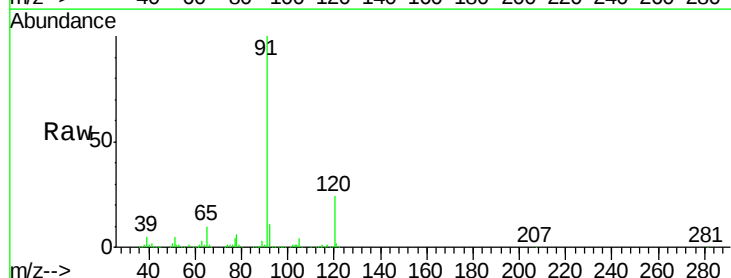
Acq: 13 May 2020 14:54

Tgt Ion: 91 Resp: 989604

Ion Ratio Lower Upper

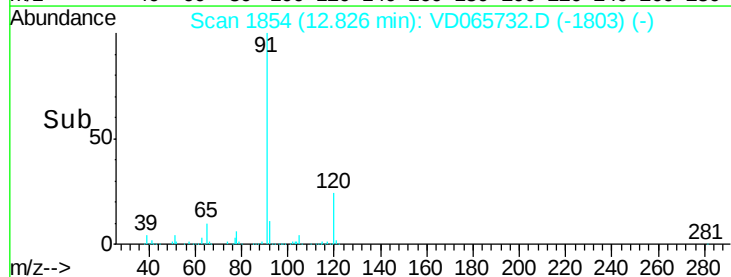
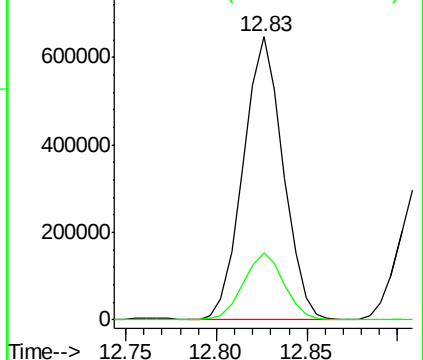
91 100

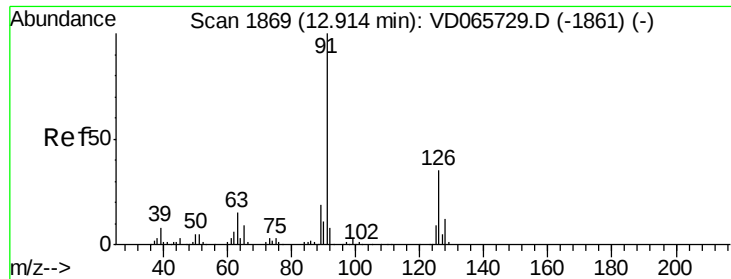
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.065 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

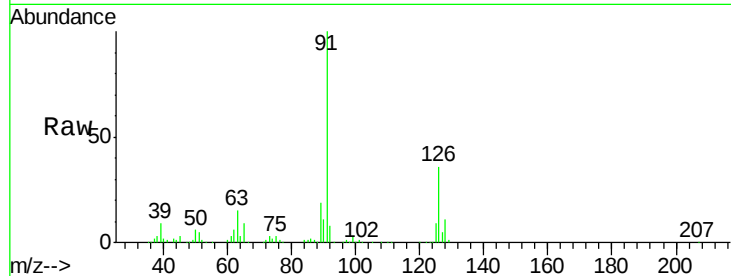
ICVVD051320

Tot Ion: 91 Resp: 541193

Ion Ratio Lower Upper

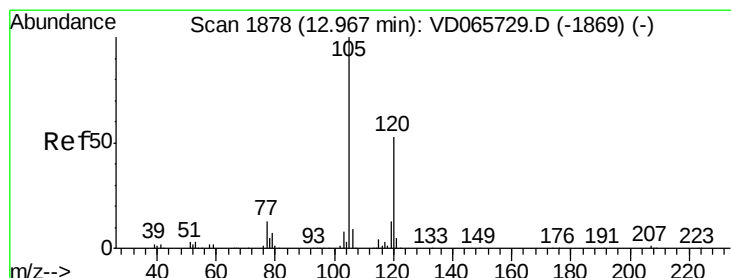
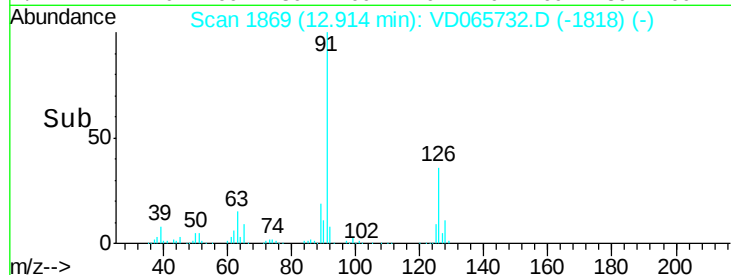
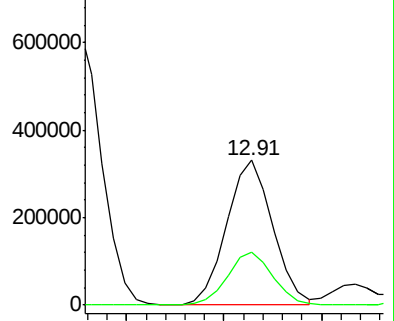
91 100

126 36.0 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VD065729.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD065729.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.306 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065732.D

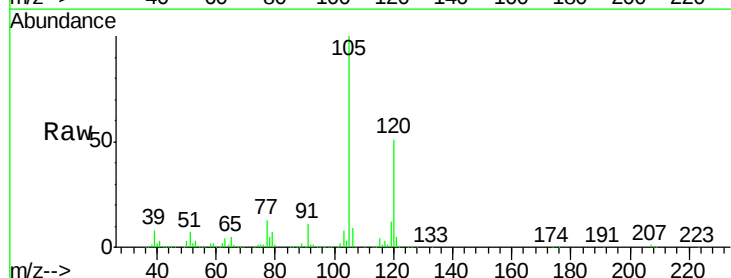
Acq: 13 May 2020 14:54

Tgt Ion:105 Resp: 693176

Ion Ratio Lower Upper

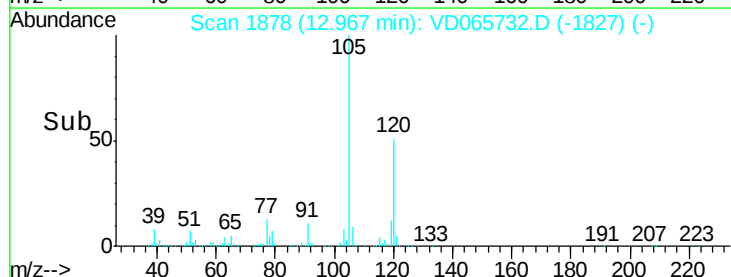
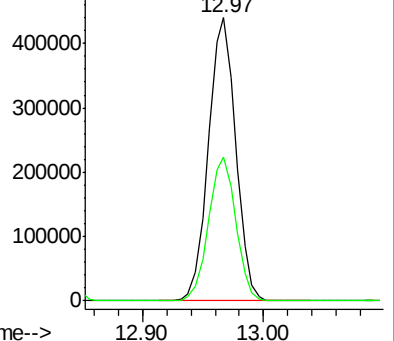
105 100

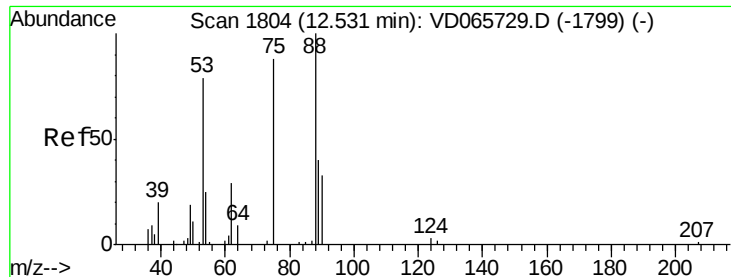
120 50.8 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VD065729.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065729.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.256 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

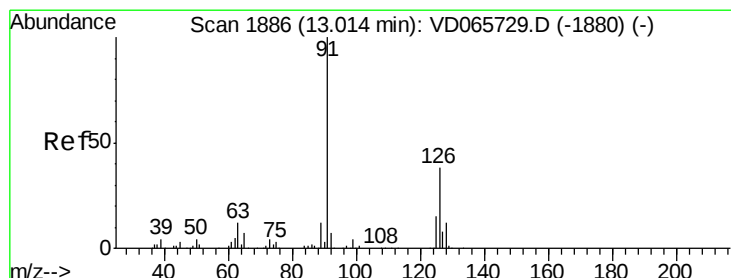
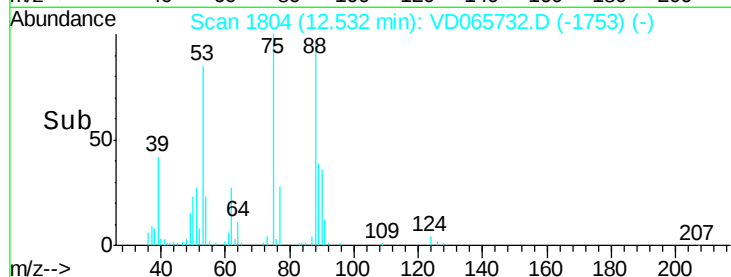
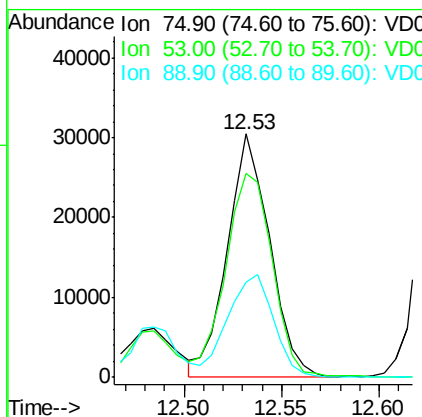
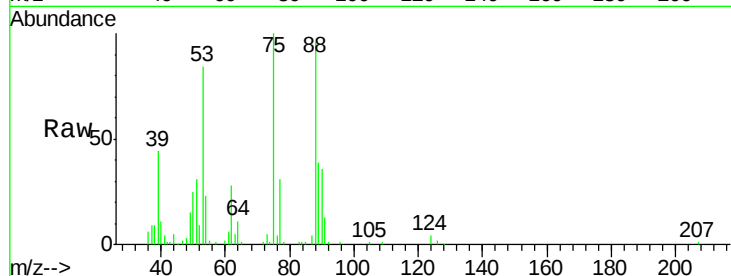
Tot Ion: 75 Resp: 45765

Ion Ratio Lower Upper

75 100

53 93.0 72.6 109.0

89 45.5 37.0 55.4



#82

4-Chlorotoluene

Concen: 50.828 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065732.D

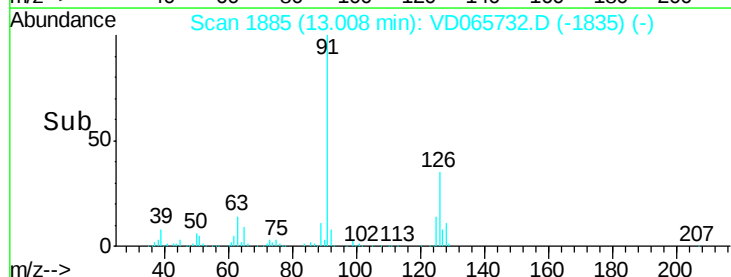
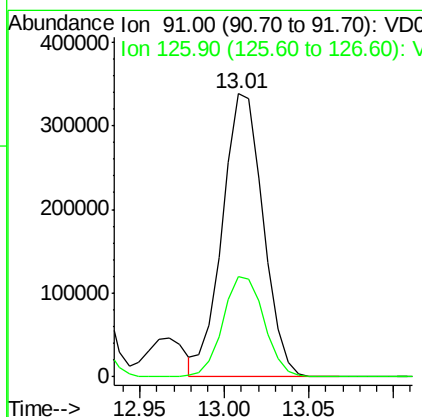
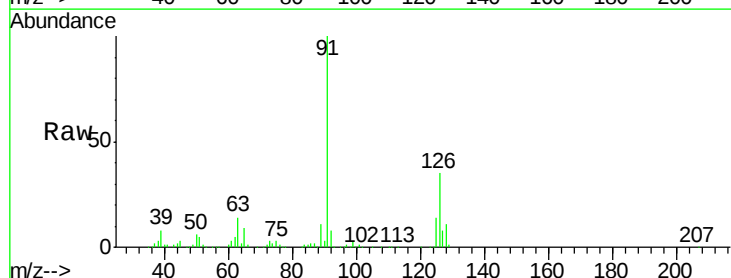
Acq: 13 May 2020 14:54

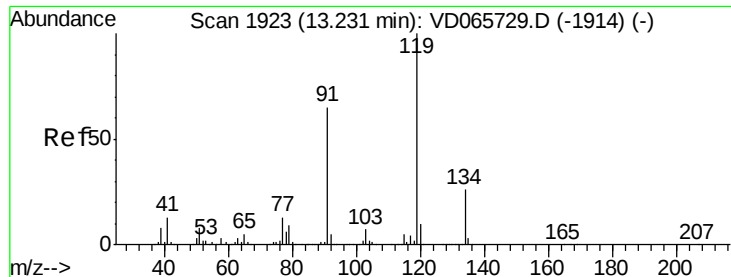
Tgt Ion: 91 Resp: 567922

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.3

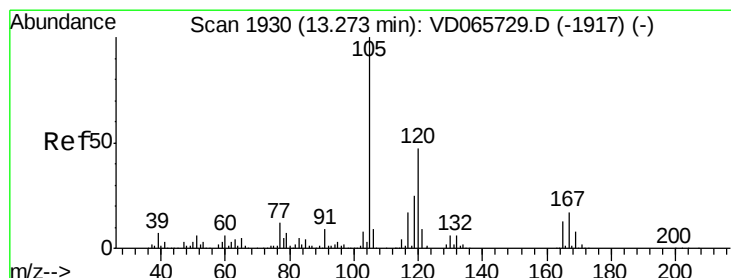
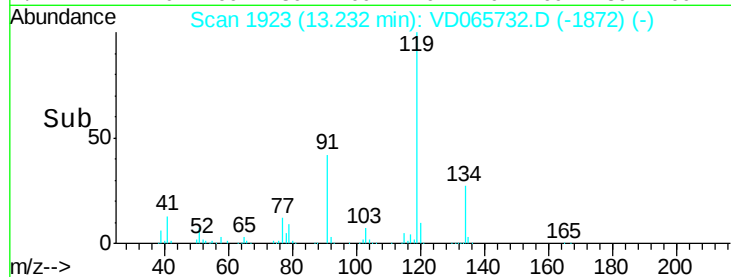
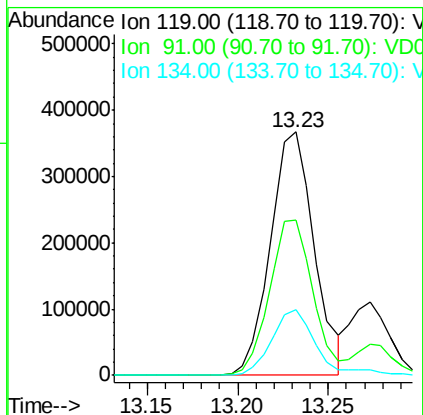
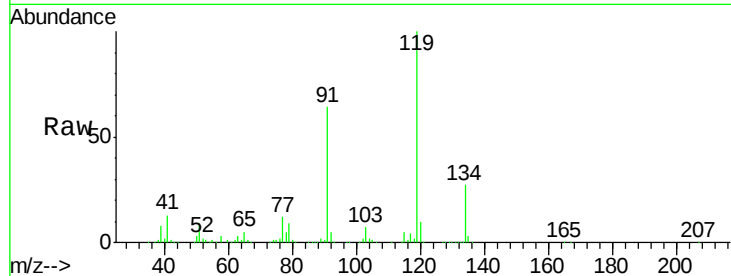




#83
tert-Butylbenzene
Concen: 51.803 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

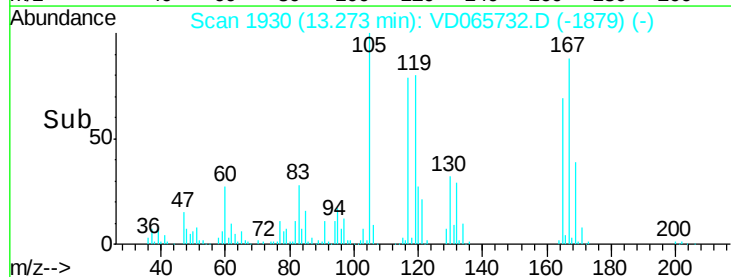
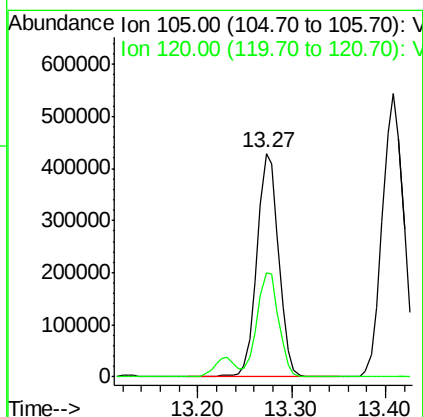
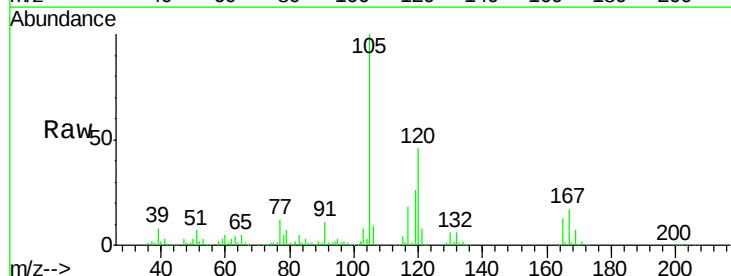
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

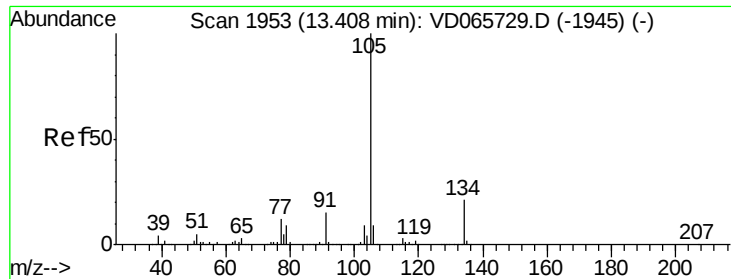
Tot Ion:119 Resp: 620612
Ion Ratio Lower Upper
119 100
91 62.9 31.6 95.0
134 27.3 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 51.385 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion:105 Resp: 684658
Ion Ratio Lower Upper
105 100
120 46.3 23.6 70.8





#85

sec-Butylbenzene

Concen: 52.548 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

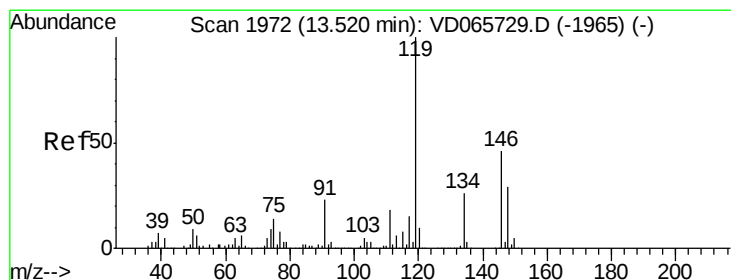
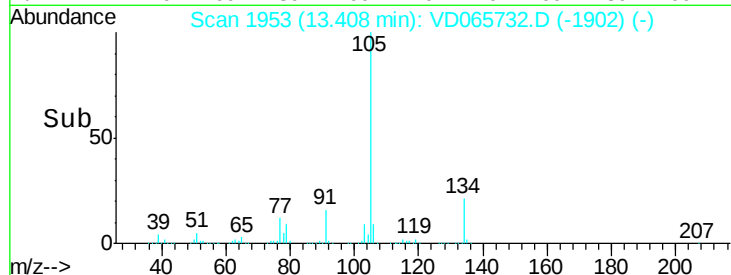
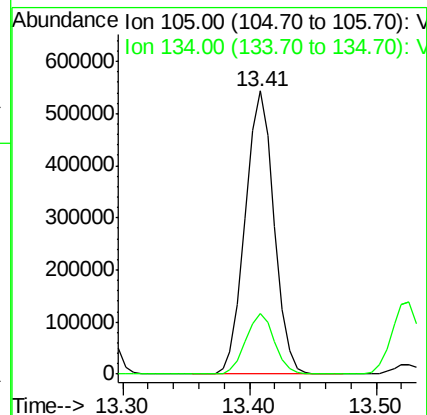
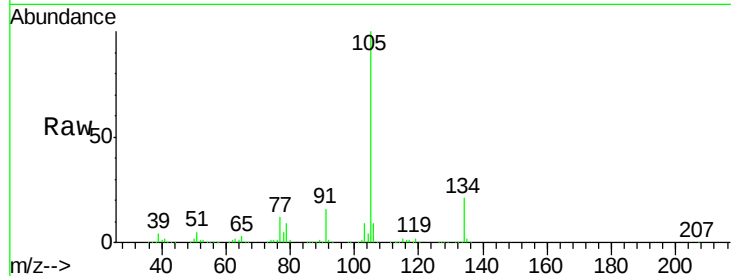
ICVVD051320

Tot Ion:105 Resp: 856623

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9



#86

p-Isopropyltoluene

Concen: 52.639 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

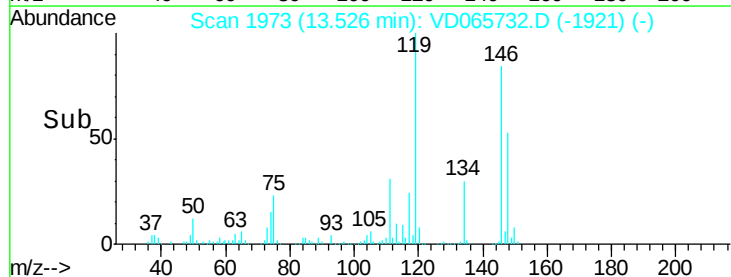
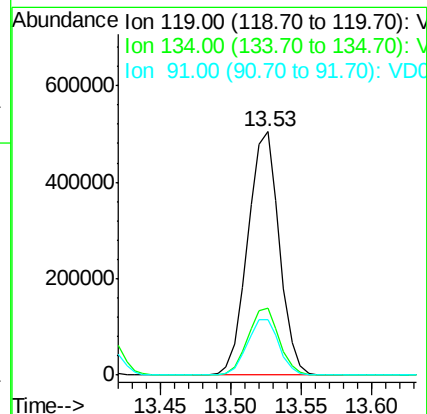
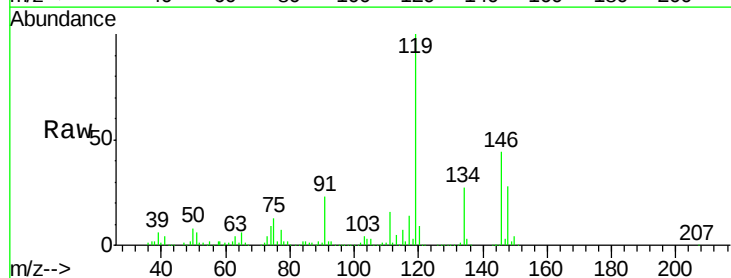
Tgt Ion:119 Resp: 788743

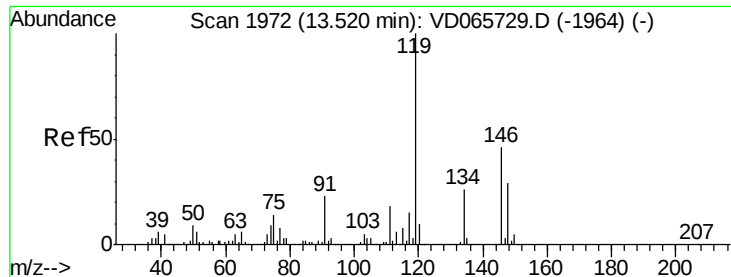
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

91 23.0 11.7 35.1

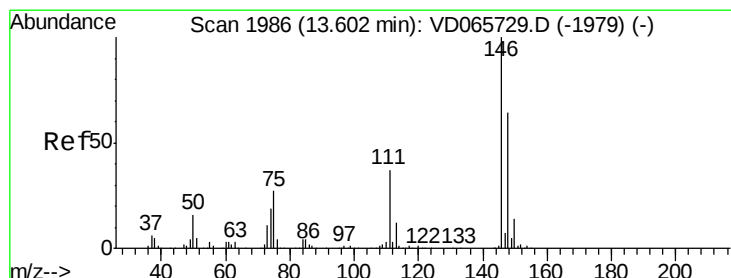
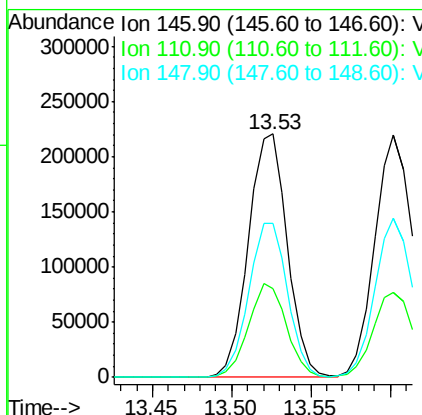
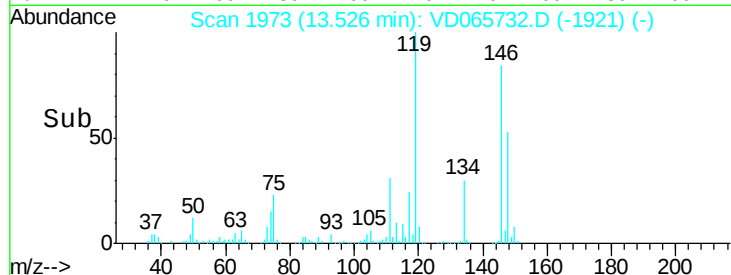
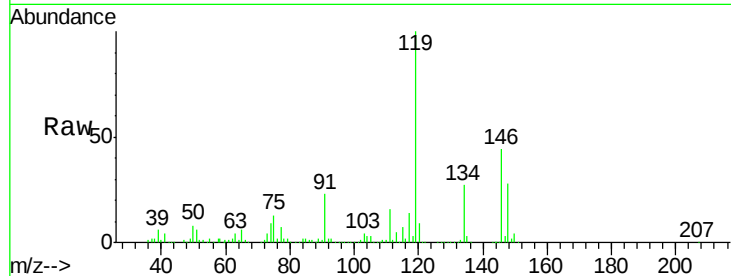




#87
 1,3-Dichlorobenzene
 Concen: 50.826 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

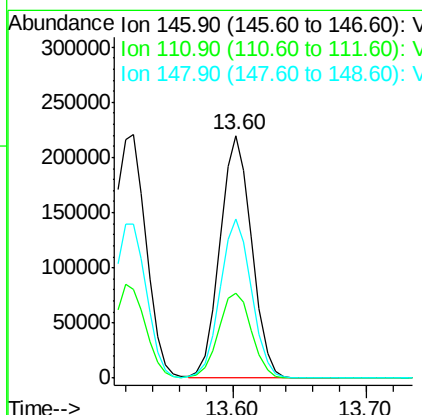
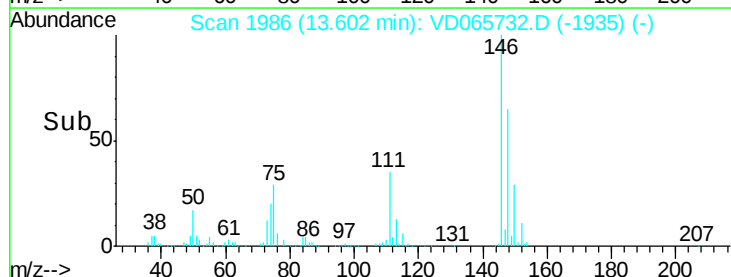
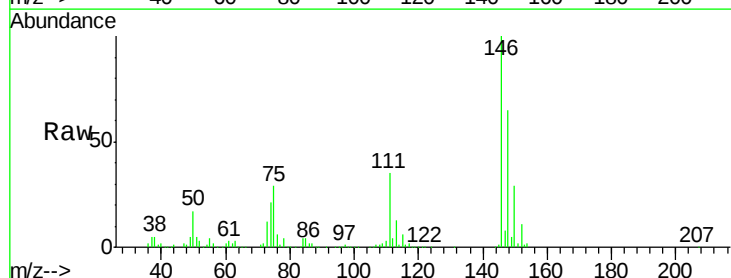
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD051320

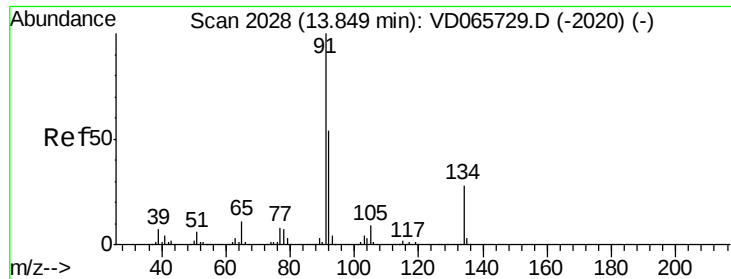
Tot Ion:146 Resp: 376761
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.9
 148 63.4 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 49.592 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Tgt Ion:146 Resp: 366170
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.2
 148 65.1 31.6 94.7

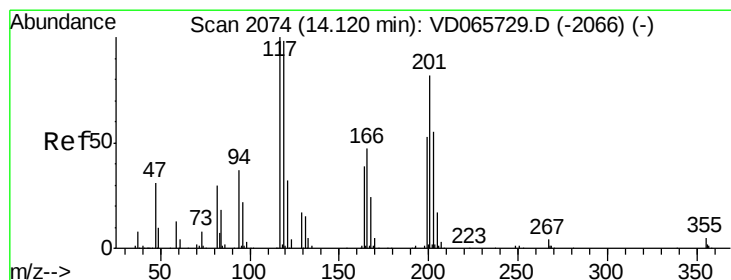
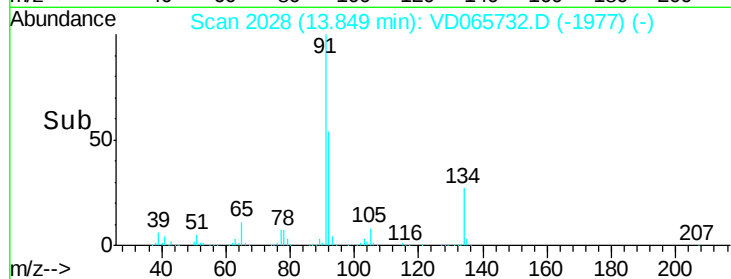
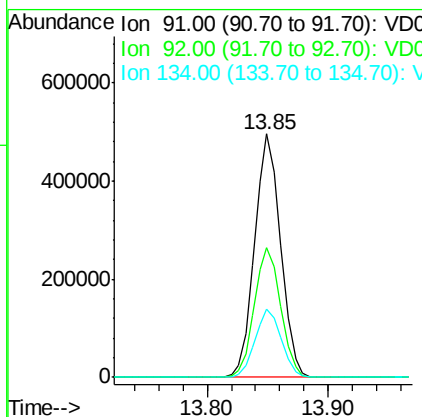
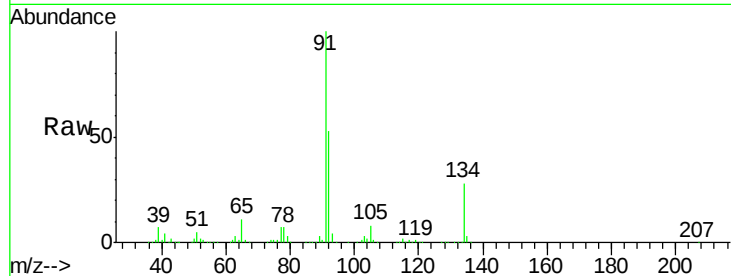




#89
n-Butylbenzene
Concen: 52.991 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

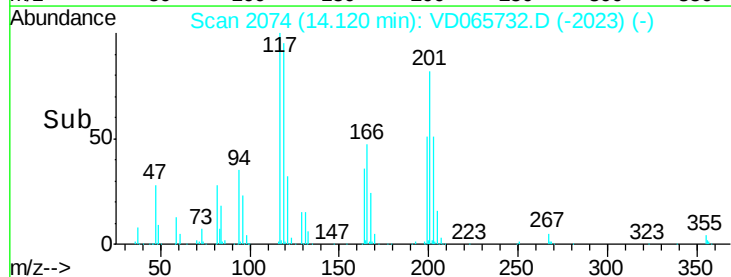
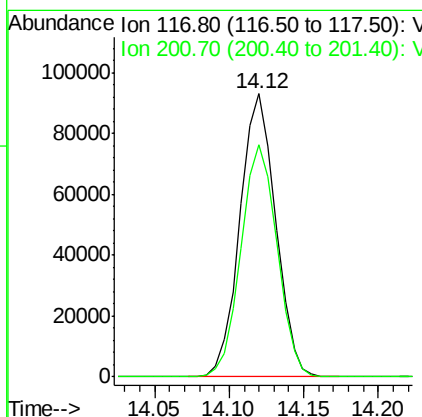
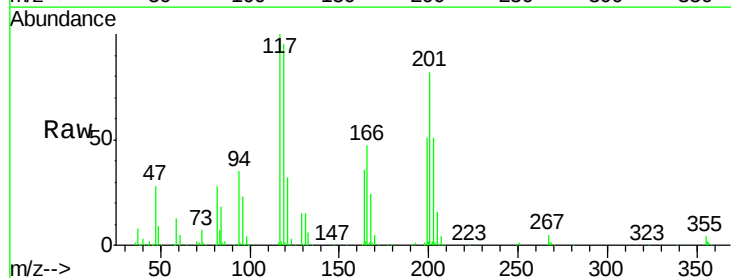
Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

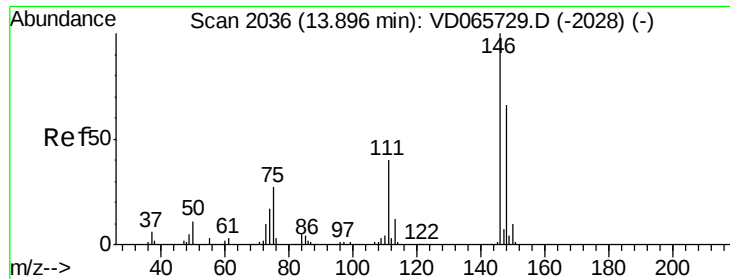
Tot Ion: 91 Resp: 742481
Ion Ratio Lower Upper
91 100
92 54.0 27.0 81.0
134 28.2 13.9 41.7



#90
Hexachloroethane
Concen: 52.832 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion: 117 Resp: 154873
Ion Ratio Lower Upper
117 100
201 82.7 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 50.293 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

Instrument :

MSVOA_D

ClientSampleId :

ICVVD051320

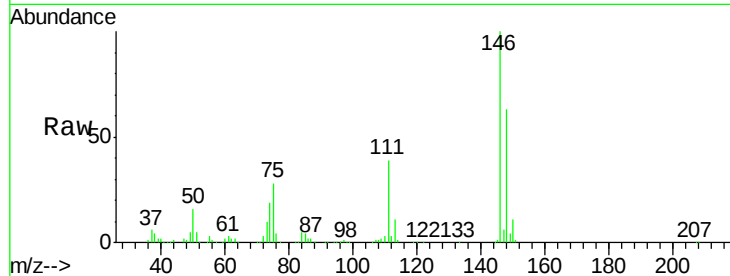
Tot Ion:146 Resp: 322469

Ion Ratio Lower Upper

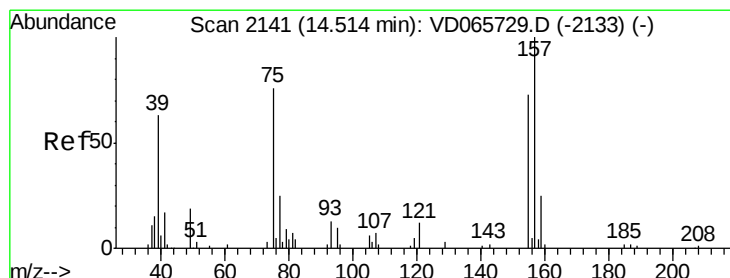
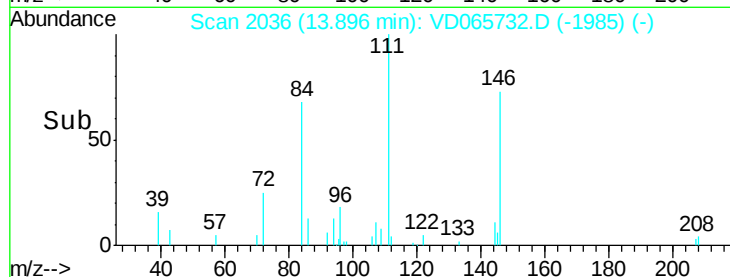
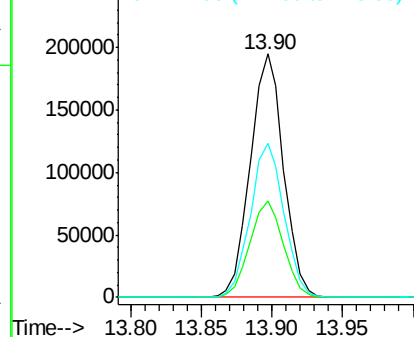
146 100

111 40.0 20.0 60.0

148 63.9 32.4 97.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.167 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

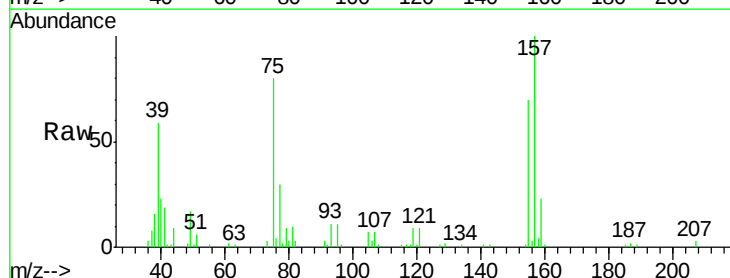
Tgt Ion: 75 Resp: 20470

Ion Ratio Lower Upper

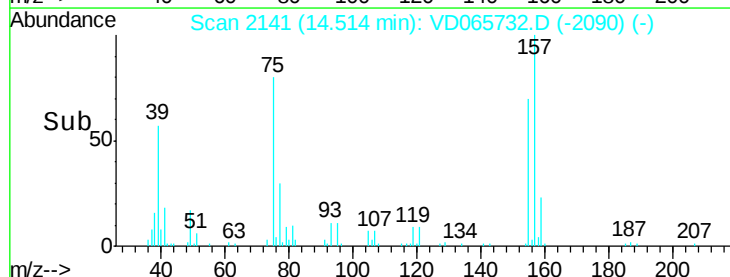
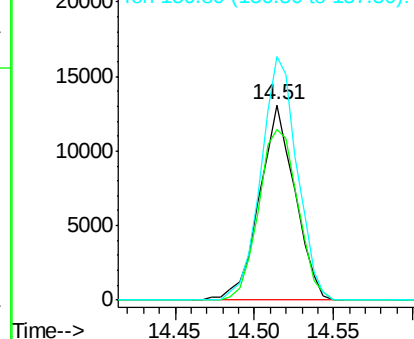
75 100

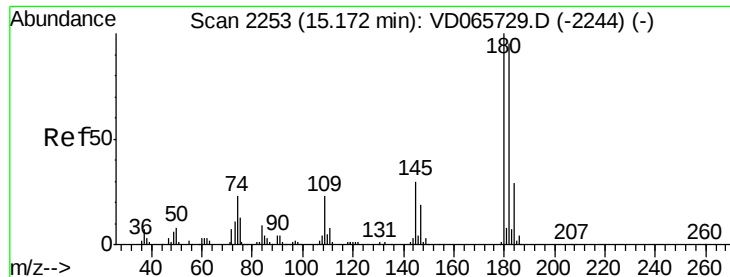
155 95.9 48.4 145.0

157 126.9 62.6 187.8



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

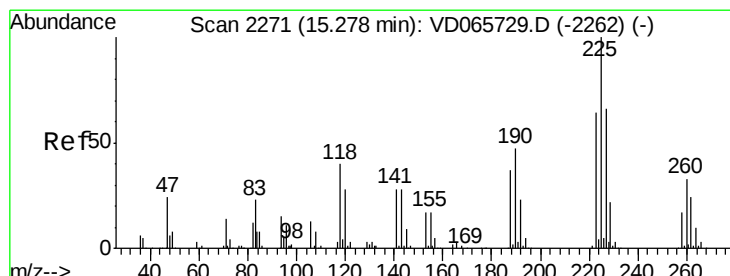
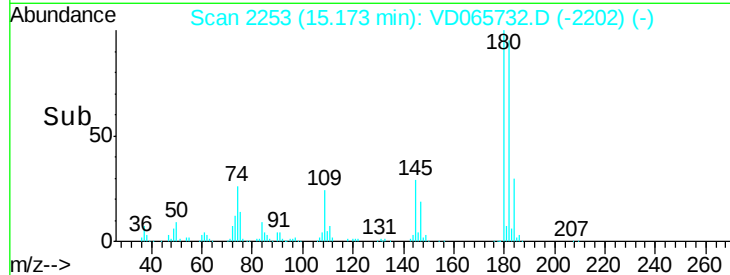
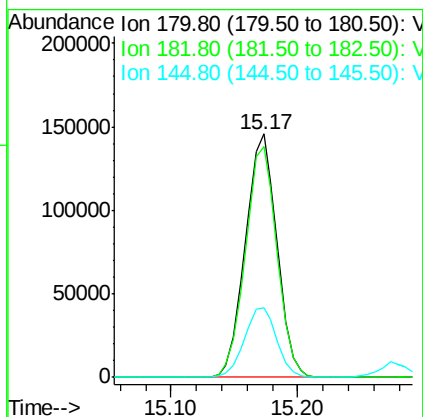
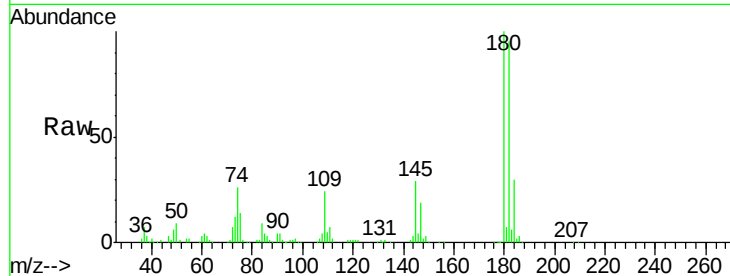




#93
 1,2,4-Trichlorobenzene
 Concen: 51.694 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

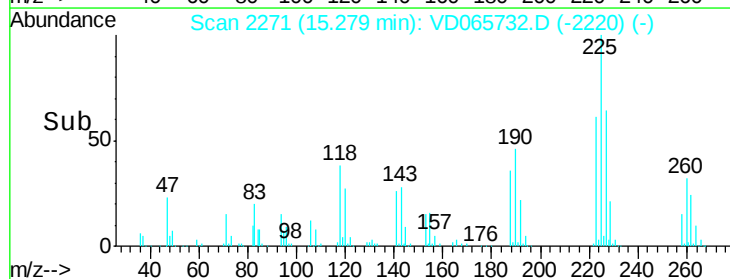
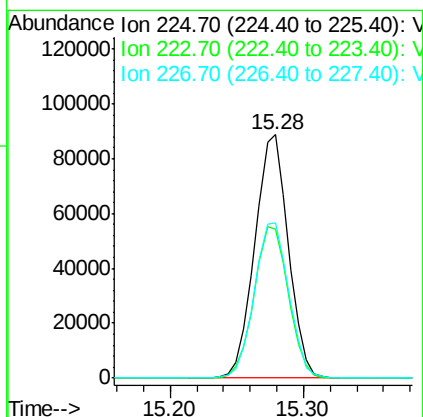
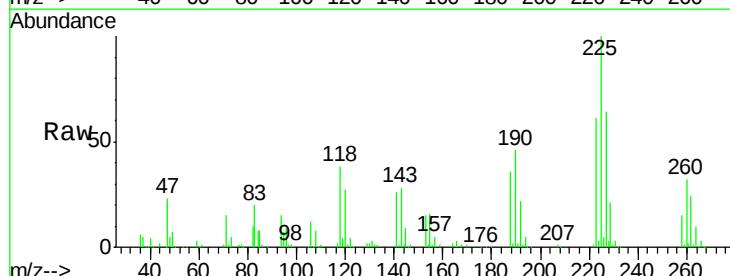
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD051320

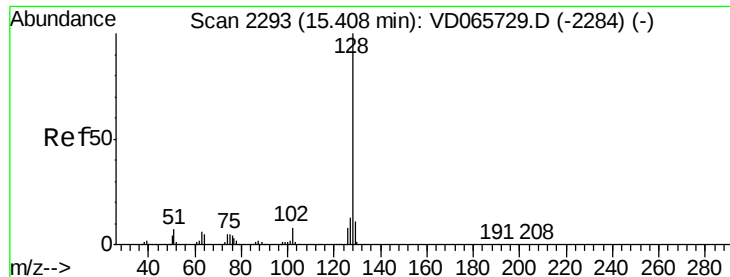
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.0	141.0
145	29.3	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 52.614 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.4	94.2
227	65.3	32.2	96.6

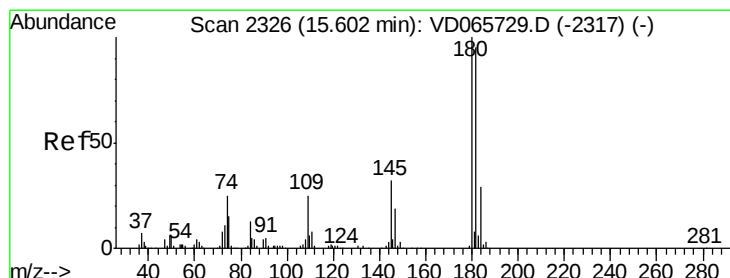
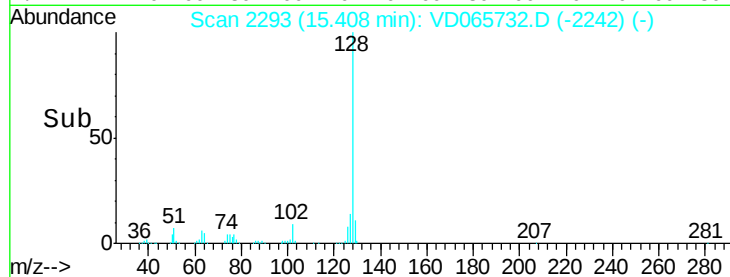
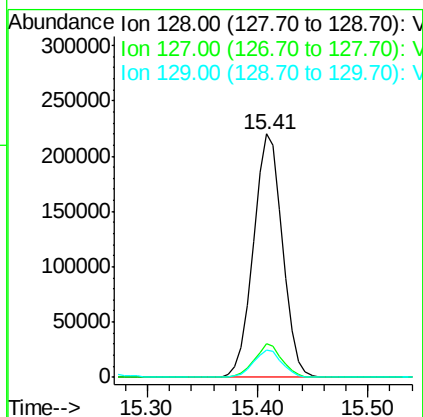
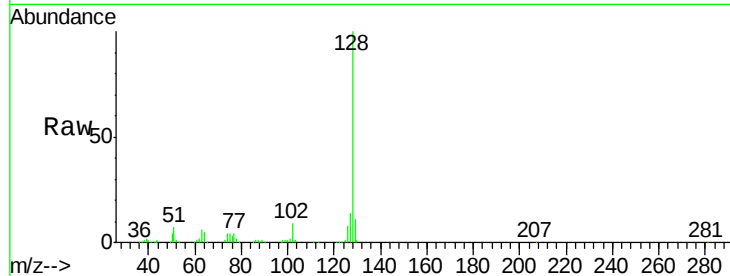




#95
Naphthalene
Concen: 50.173 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Instrument :
MSVOA_D
ClientSampleId :
ICVVD051320

Tot Ion:128 Resp: 407049
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.028 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion:180 Resp: 212211
Ion Ratio Lower Upper
180 100
182 94.6 47.5 142.6
145 31.2 15.9 47.6

