

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 :

Quant Time: May 13 16:31:11 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

33) 1,2-Dichloroethane-d4	8.33	65	145587	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
35) Dibromofluoromethane	7.91	113	153845	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
50) Toluene-d8	10.34	98	608135	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.64	95	199274	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

Target Compounds

						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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 Response via : Initial Calibration

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	169059	92.747	ug/l #	100
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

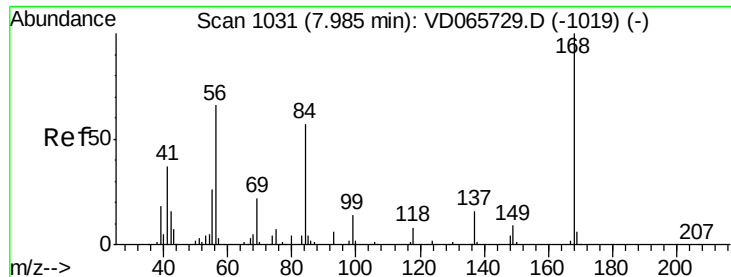
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051320\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	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

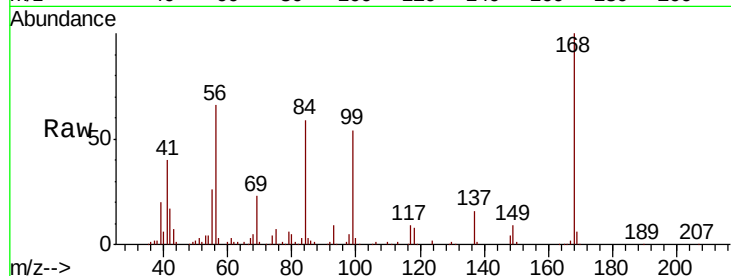
ClientSampleId :

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

200000

150000

100000

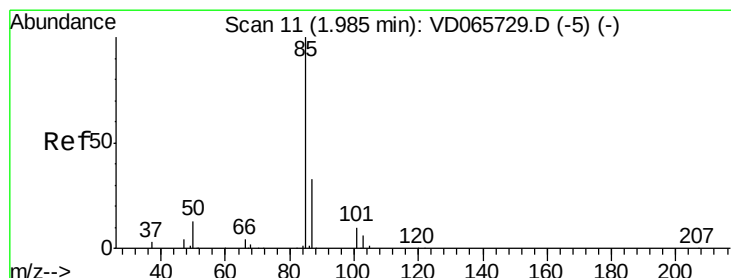
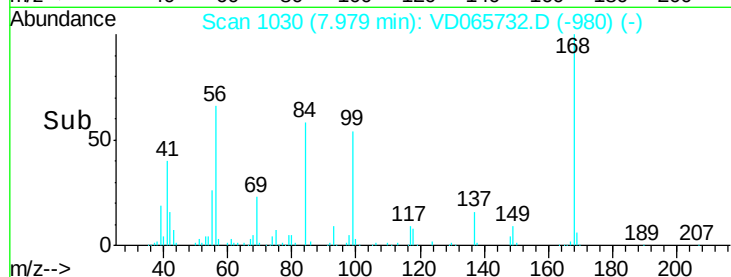
50000

0

7.98

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 52.103 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065732.D

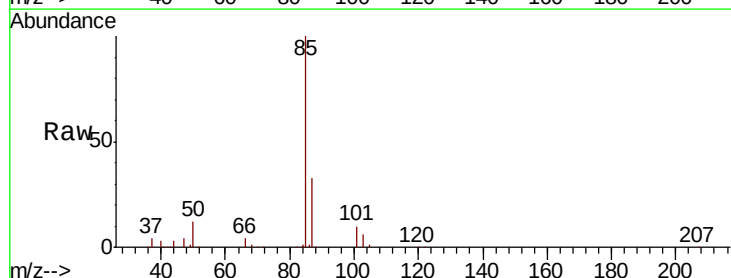
Acq: 13 May 2020 14:54

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

100000

80000

60000

40000

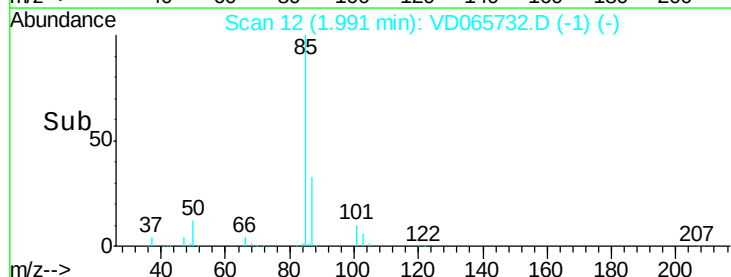
20000

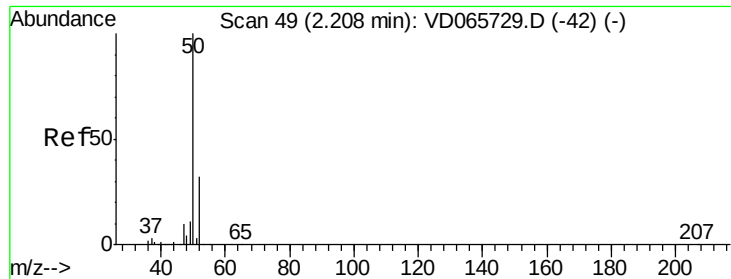
0

1.99

1.90 1.95 2.00 2.05 2.10

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

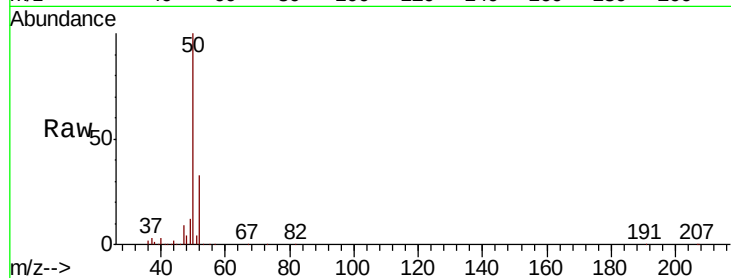
ClientSampleId :

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

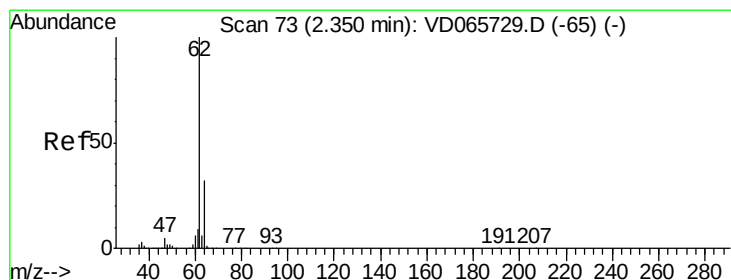
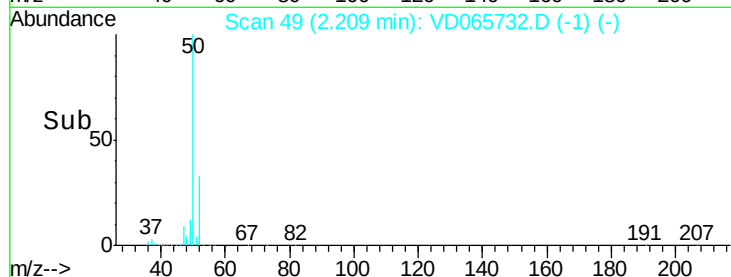
100000

50000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 51.115 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065732.D

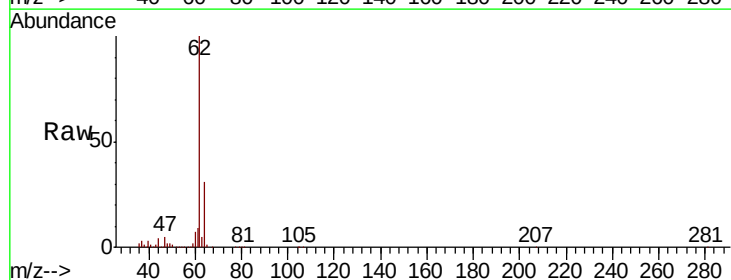
Acq: 13 May 2020 14:54

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

150000

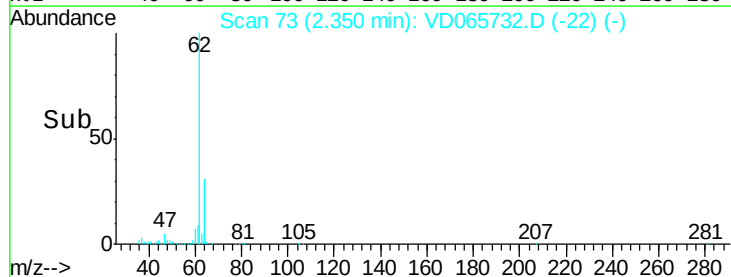
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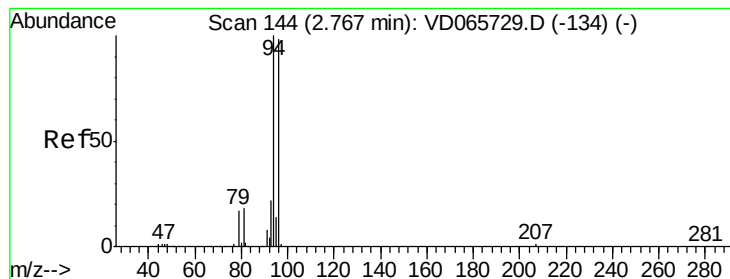
50000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#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

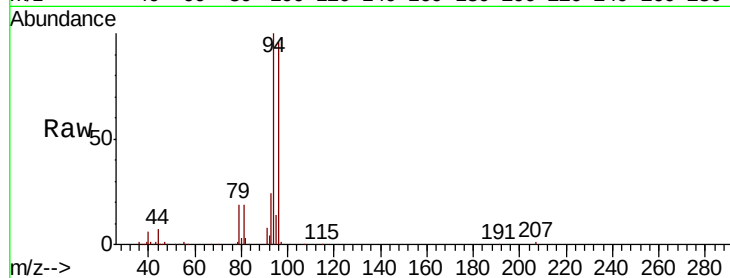
ClientSampleId :

Tot Ion: 94 Resp: 131306

Ion Ratio Lower Upper

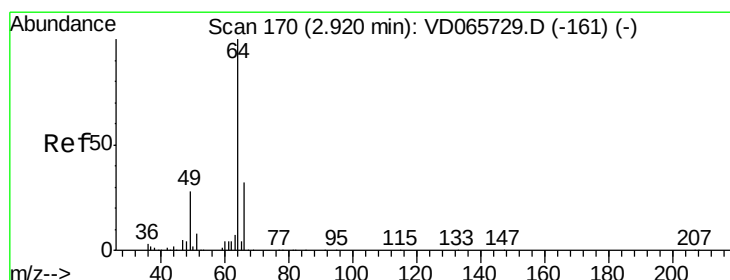
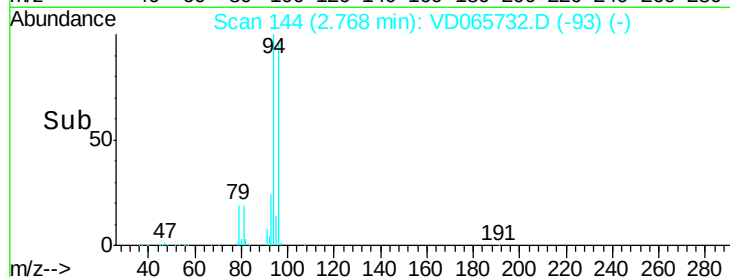
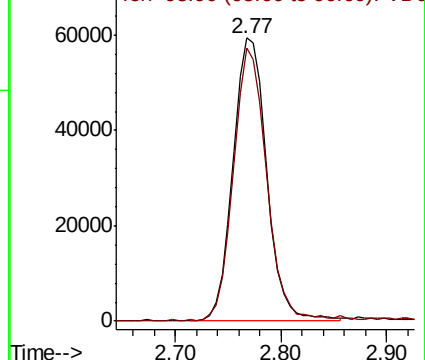
94 100

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

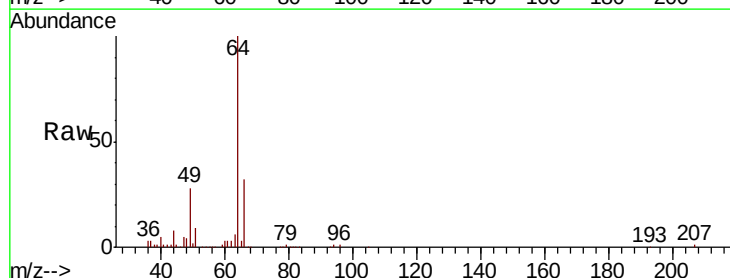
Acq: 13 May 2020 14:54

Tgt Ion: 64 Resp: 130389

Ion Ratio Lower Upper

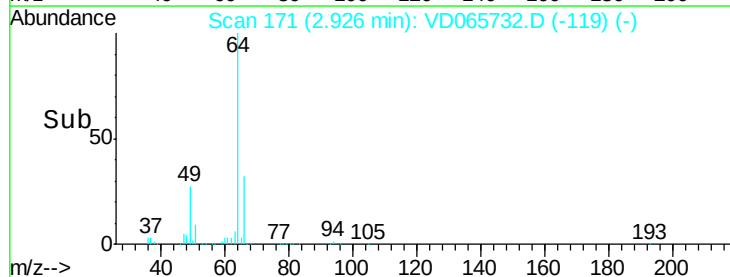
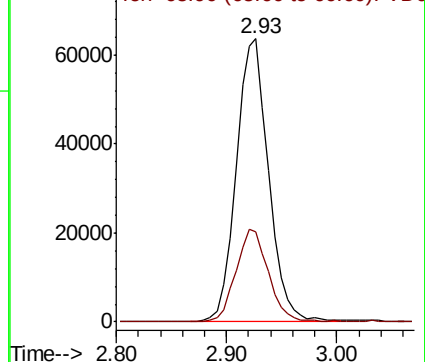
64 100

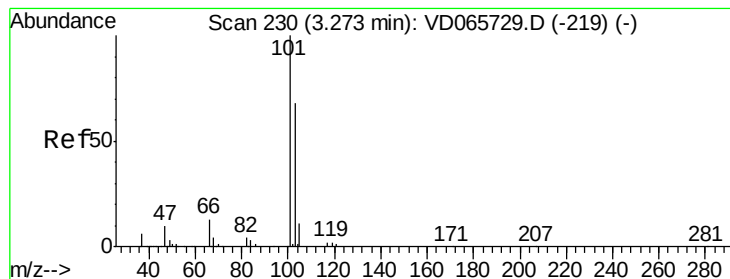
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



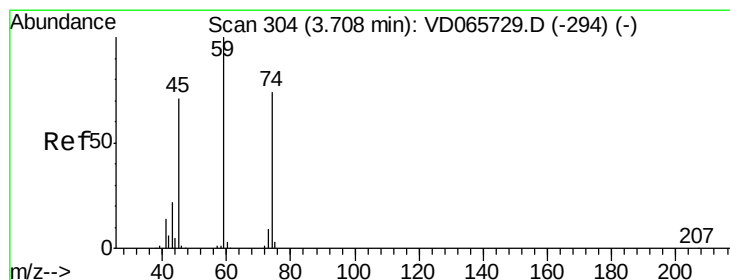
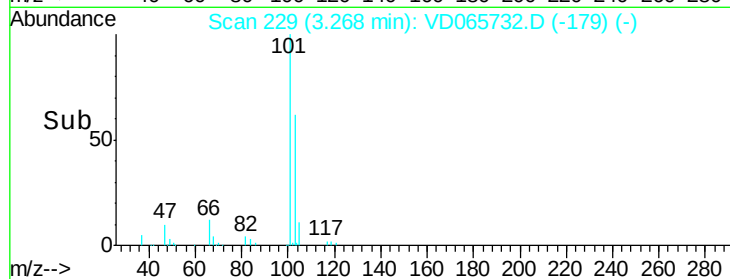
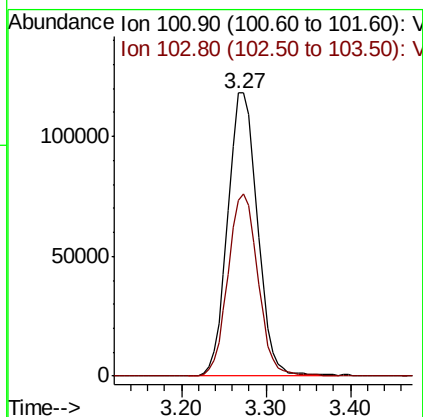
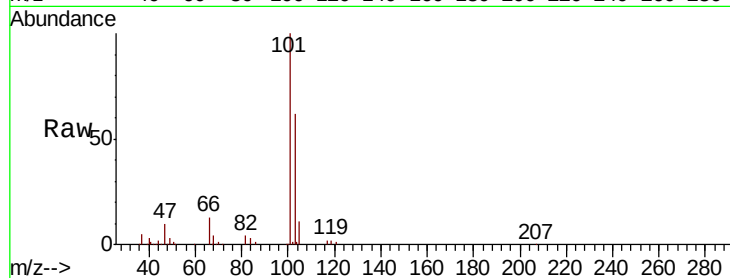


#7

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 :
 MSVOA_D
 ClientSampleId :

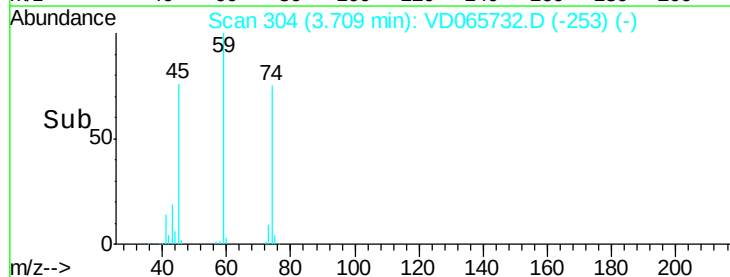
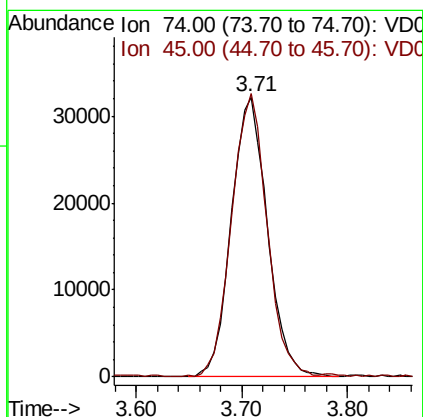
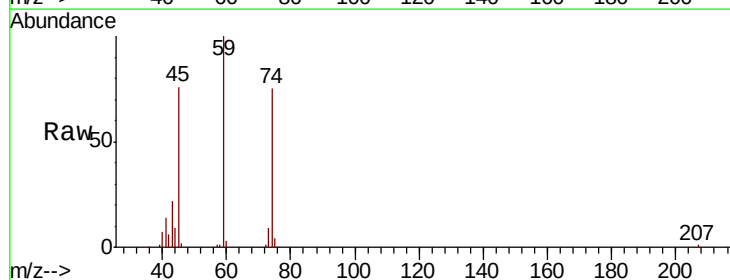
Tot Ion:101 Resp: 287776
 Ion Ratio Lower Upper
 101 100
 103 62.2 54.1 81.1

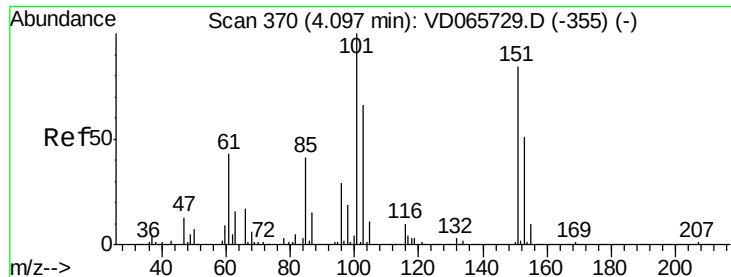


#8

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 :

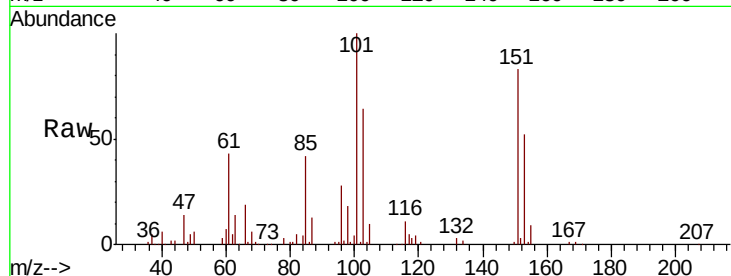
Tot Ion:101 Resp: 174741

Ion Ratio Lower Upper

101 100

85 43.5 34.1 51.1

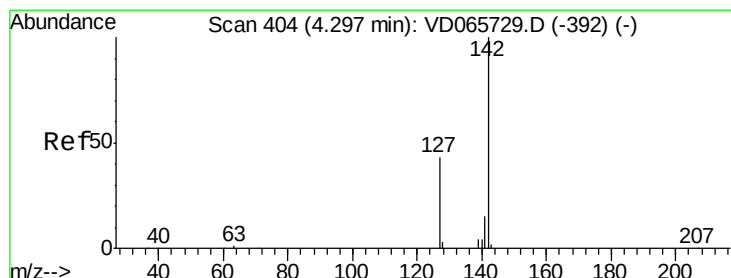
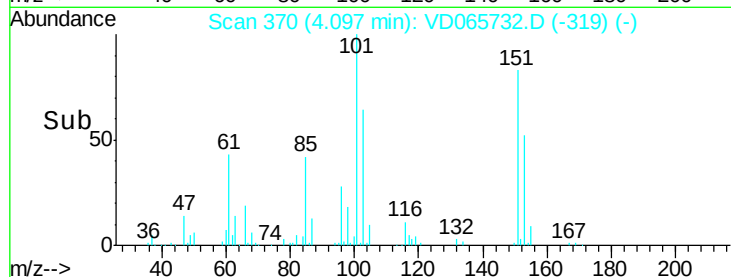
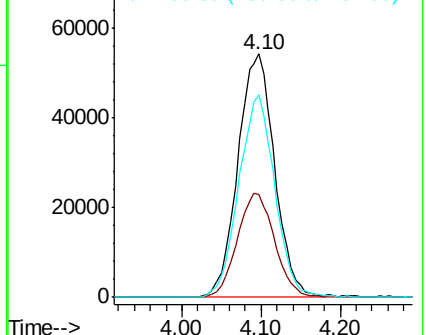
151 81.7 65.1 97.7



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

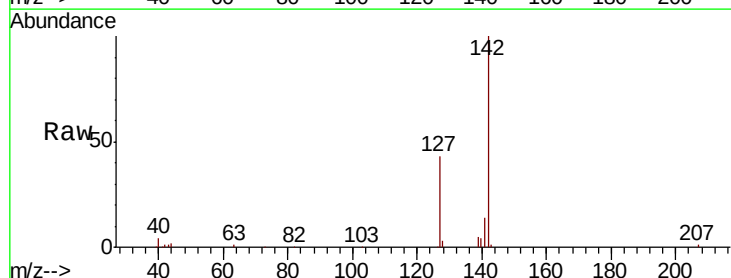
Tgt Ion:142 Resp: 174460

Ion Ratio Lower Upper

142 100

127 43.1 34.2 51.4

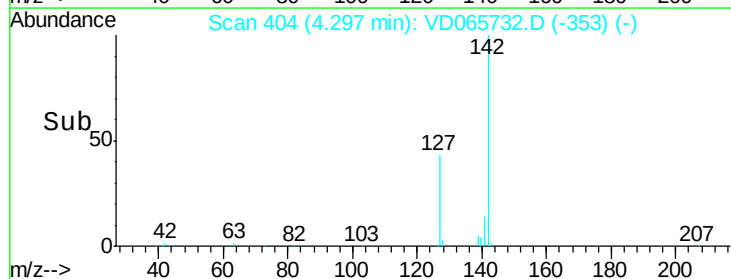
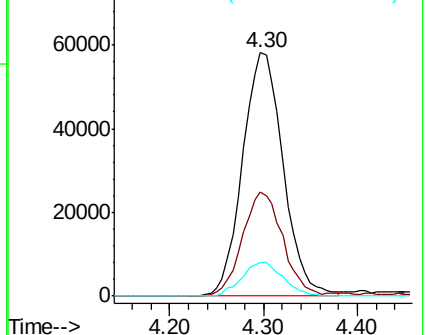
141 14.1 11.7 17.5

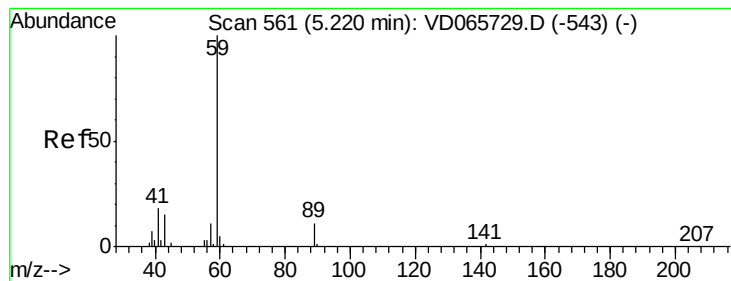


Abundance Ion 141.80 (141.50 to 142.50): V

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

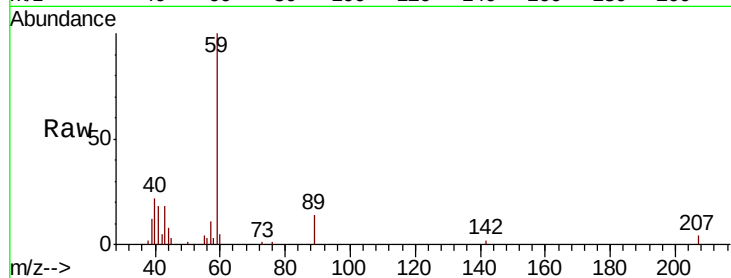
ClientSampleId :

Tot Ion: 59 Resp: 56669

Ion Ratio Lower Upper

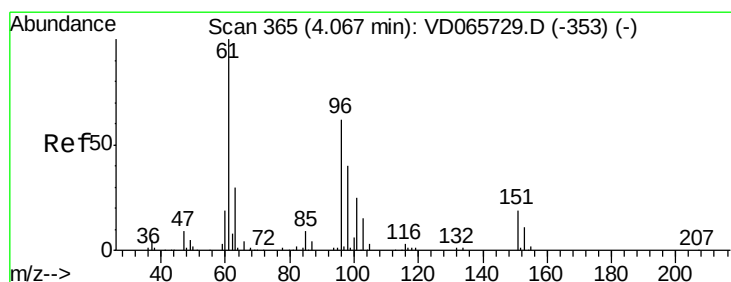
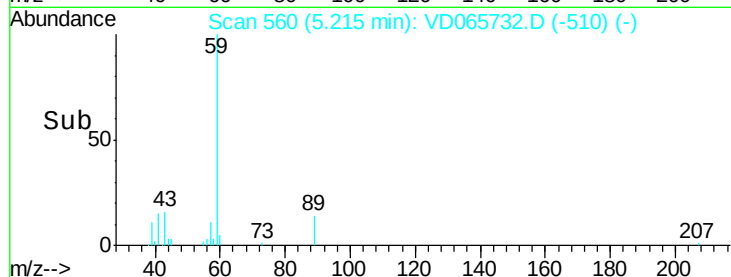
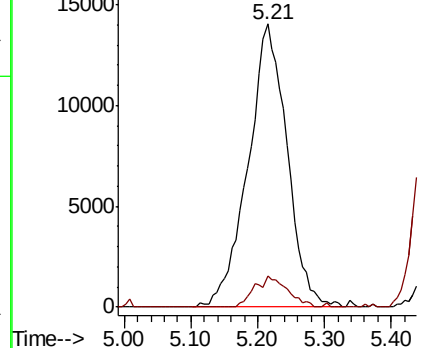
59 100

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

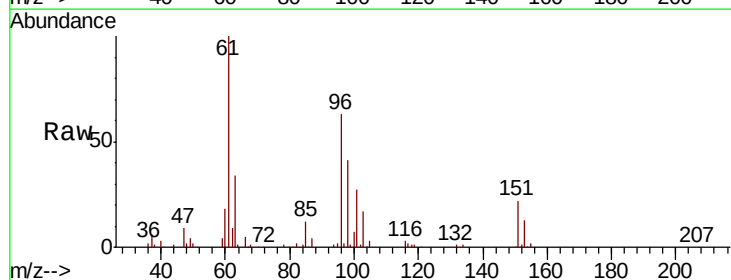
Tgt Ion: 96 Resp: 168182

Ion Ratio Lower Upper

96 100

61 158.1 130.0 195.0

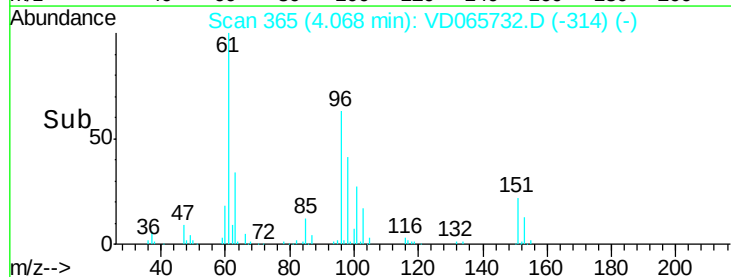
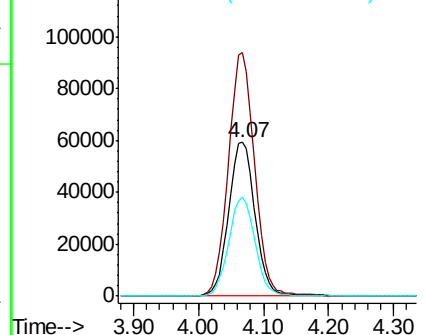
98 64.6 52.3 78.5

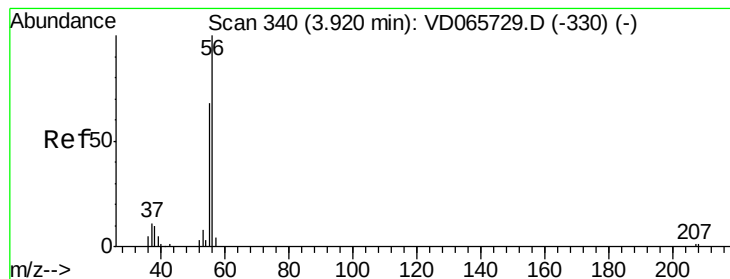


Abundance Ion 95.90 (95.60 to 96.60): VDC

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

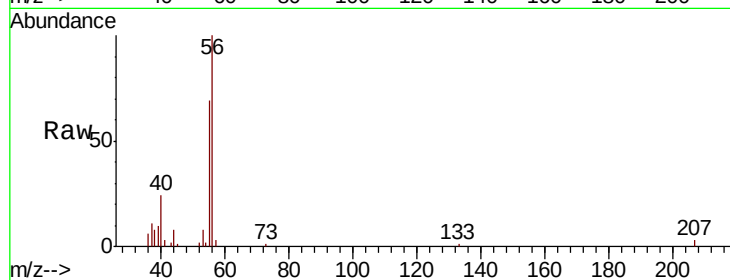
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 37622

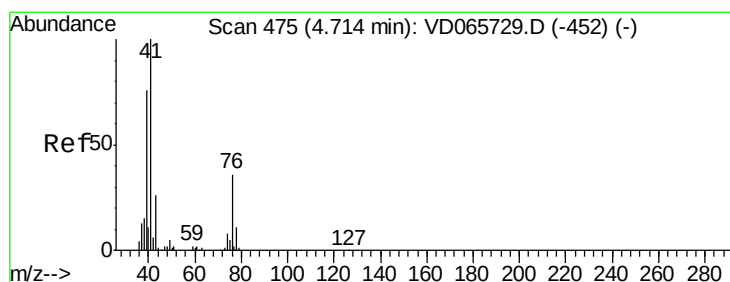
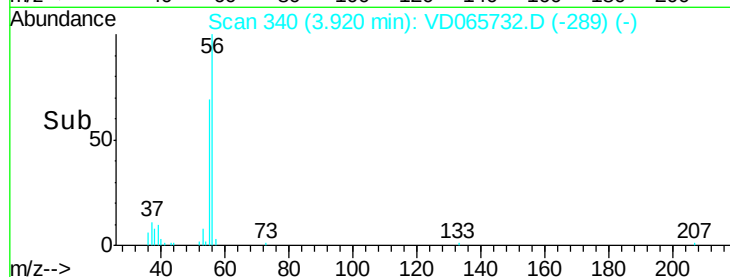
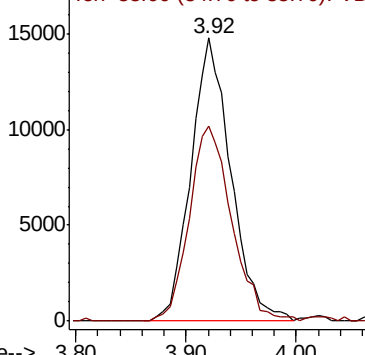
Ion Ratio Lower Upper

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

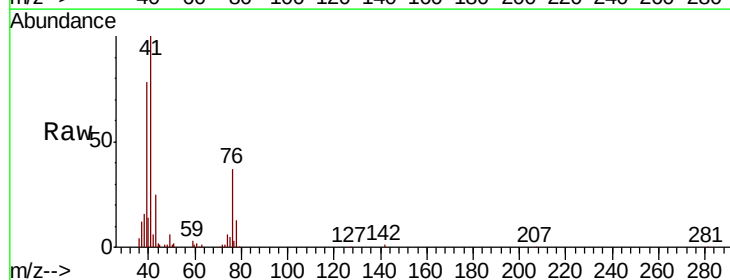
Tgt Ion: 41 Resp: 272153

Ion Ratio Lower Upper

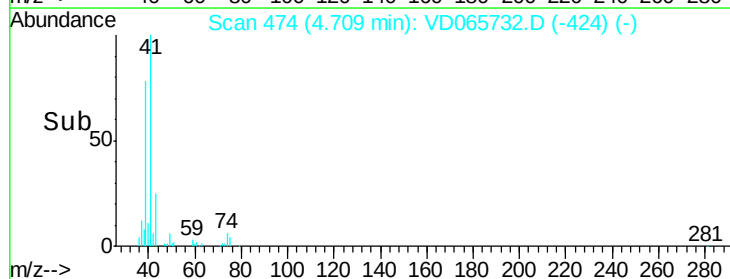
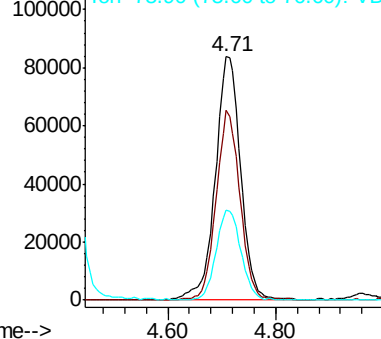
41 100

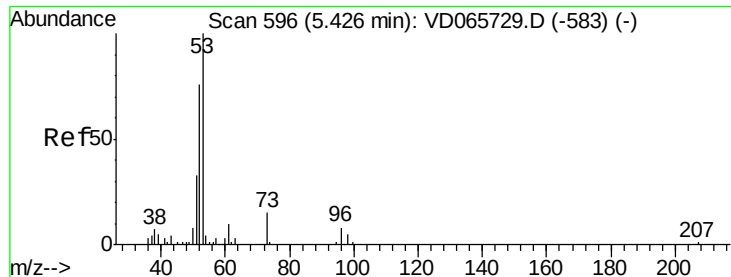
39 73.1 57.4 86.2

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 :

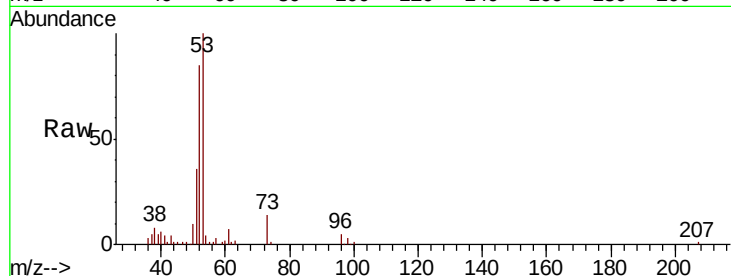
Tot Ion: 53 Resp: 164868

Ion Ratio Lower Upper

53 100

52 82.7 66.3 99.5

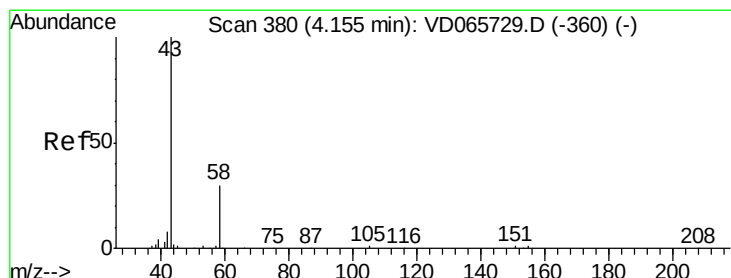
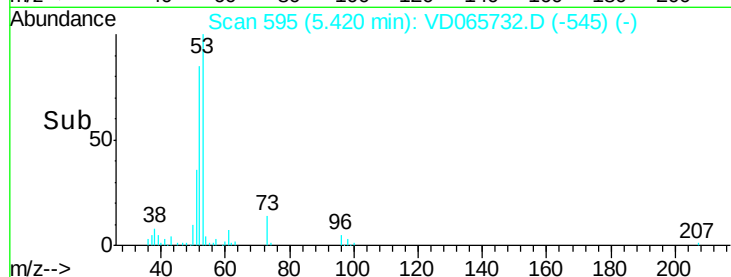
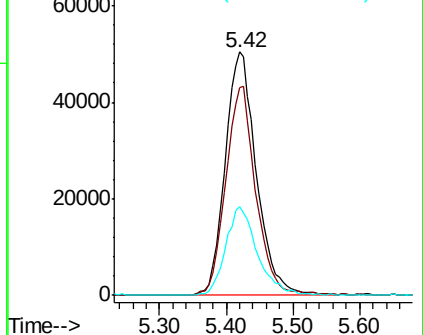
51 36.9 29.2 43.8



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

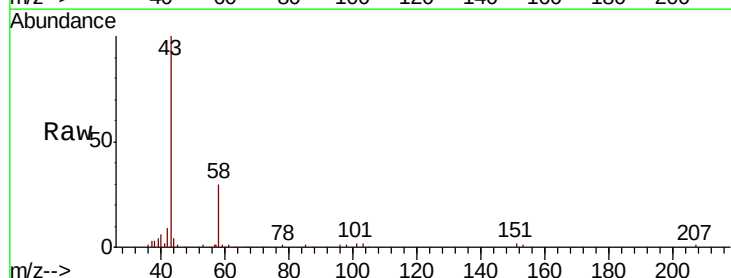
Acq: 13 May 2020 14:54

Tgt Ion: 43 Resp: 171041

Ion Ratio Lower Upper

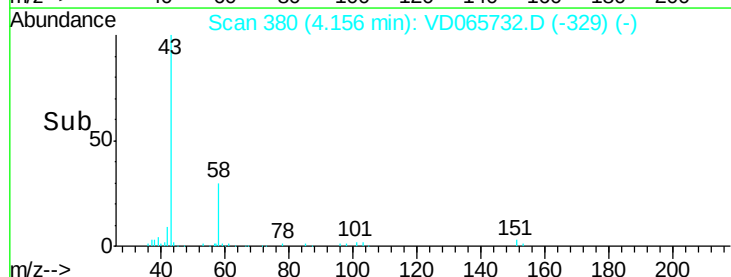
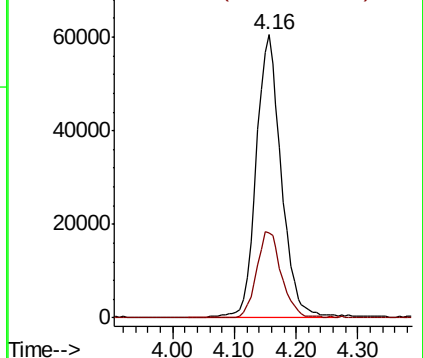
43 100

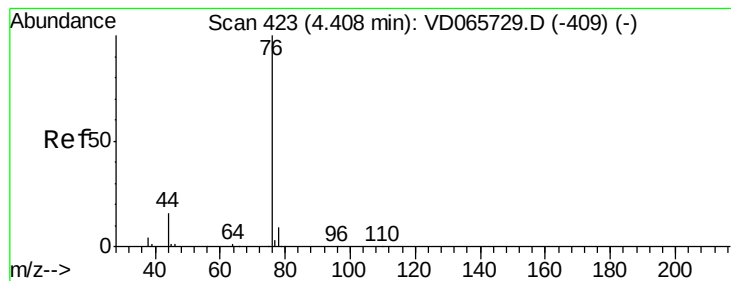
58 29.9 23.7 35.5



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

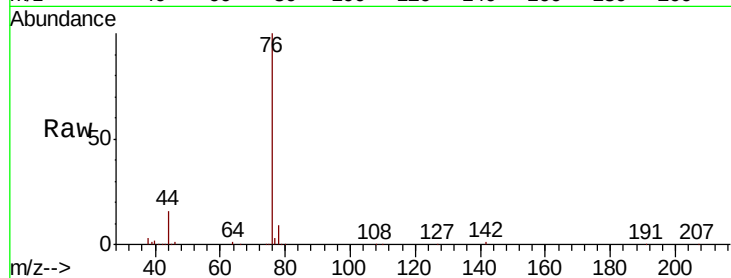
ClientSampleId :

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

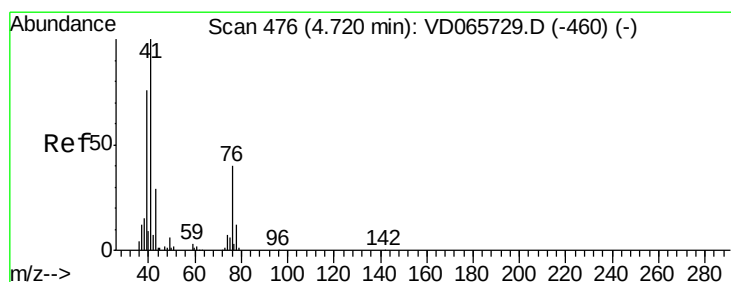
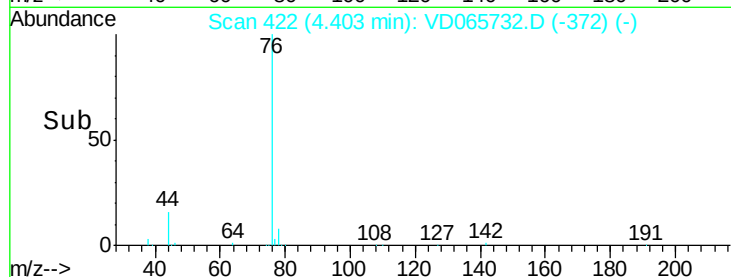
150000

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

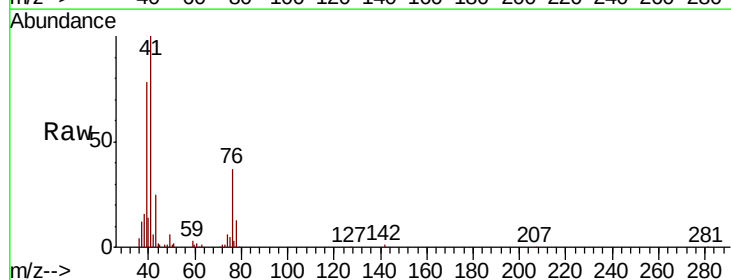
Acq: 13 May 2020 14:54

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

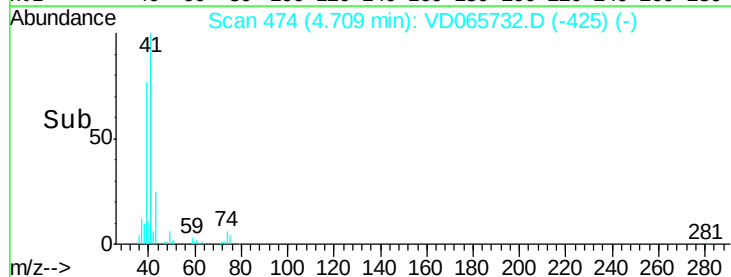
15000

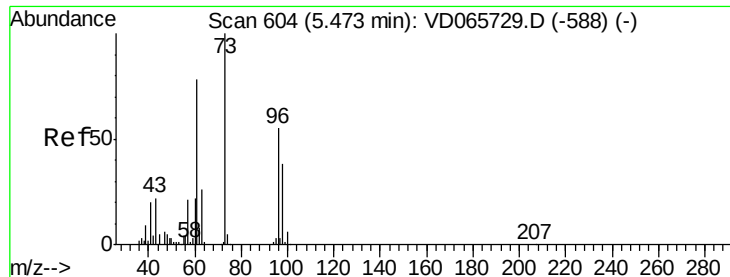
10000

5000

0

Time-->



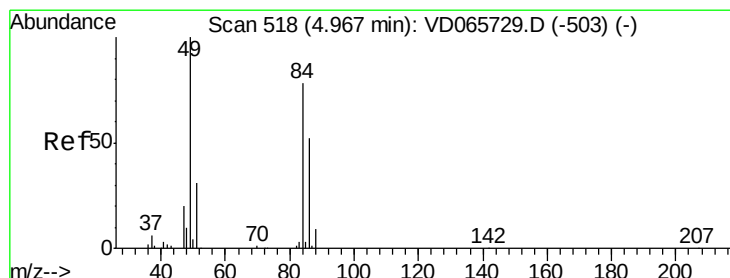
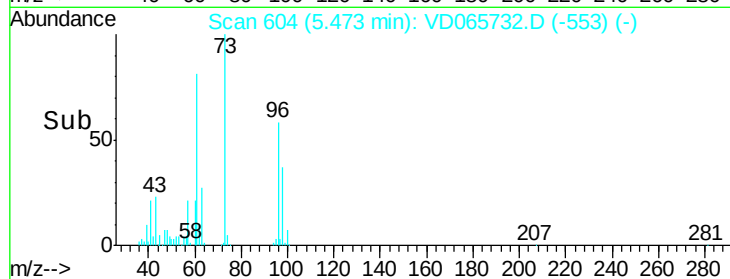
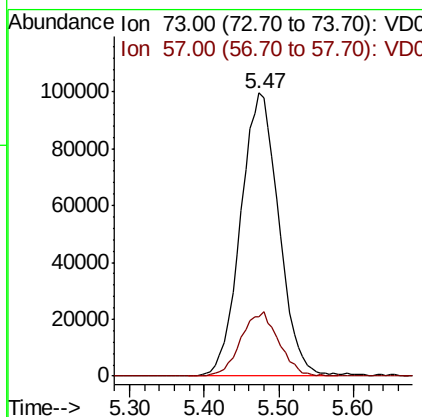
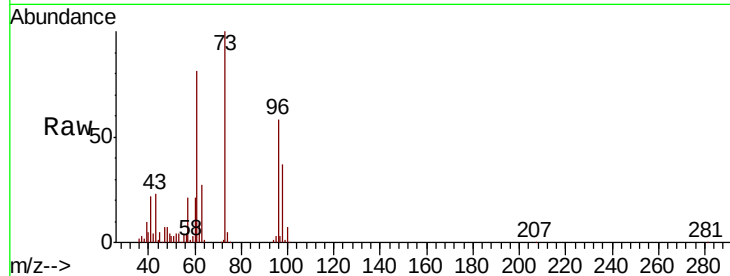


#19

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 :

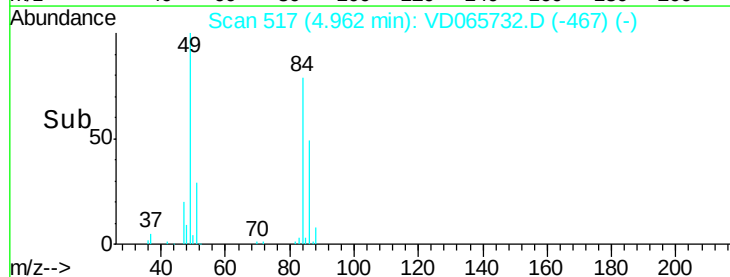
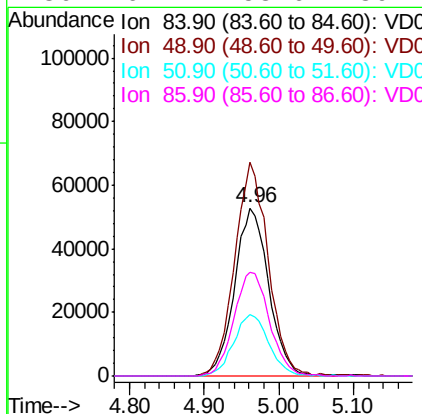
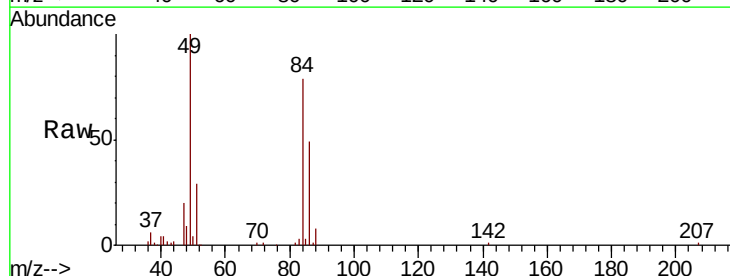
Tot Ion: 73 Resp: 353701
 Ion Ratio Lower Upper
 73 100
 57 21.0 17.0 25.4

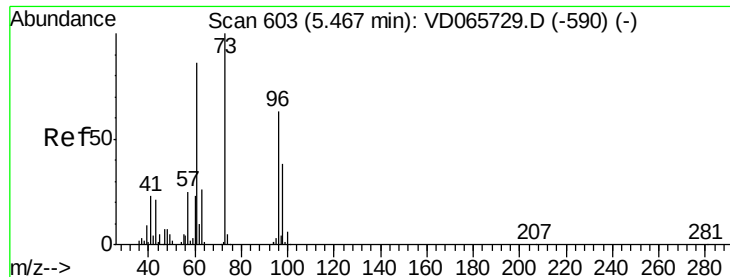


#20

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
ClientSampled :

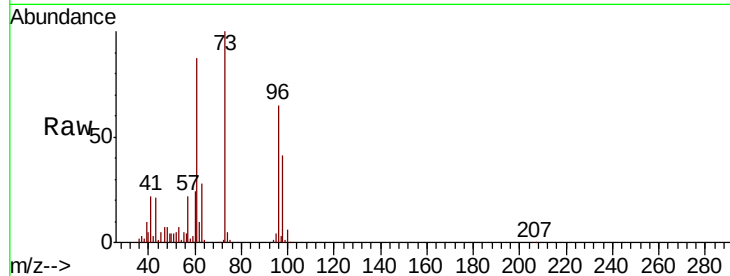
Tot Ion: 96 Resp: 183644

Ion Ratio Lower Upper

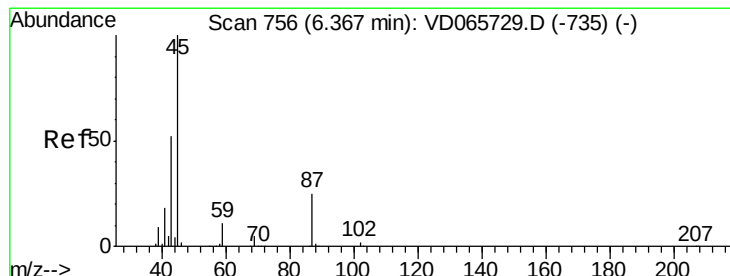
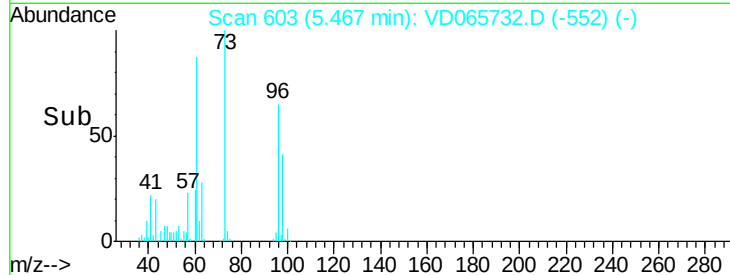
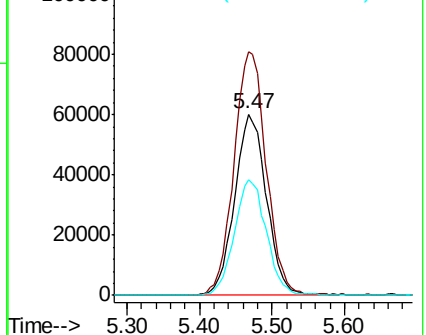
96 100

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

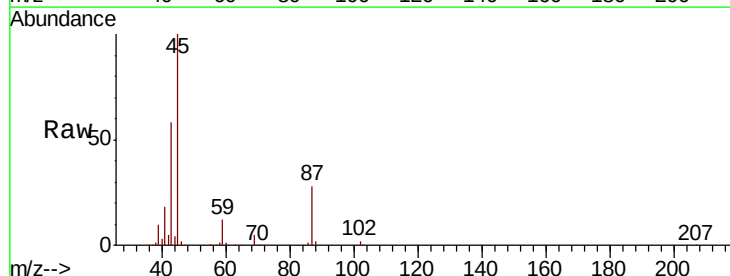
Ion Ratio Lower Upper

45 100

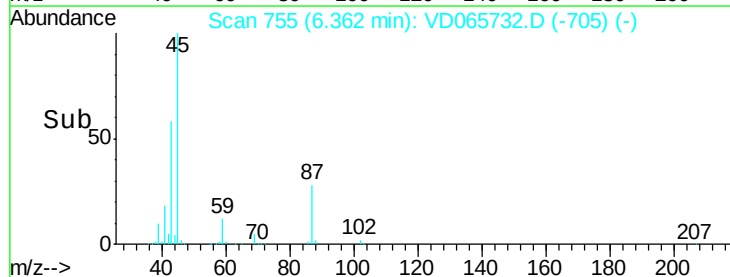
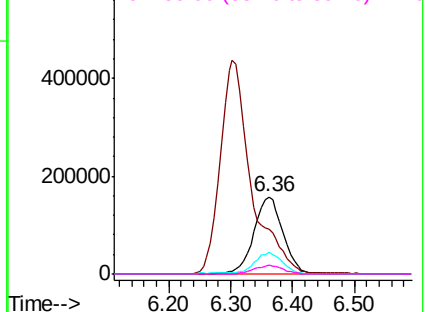
43 57.4 41.8 62.6

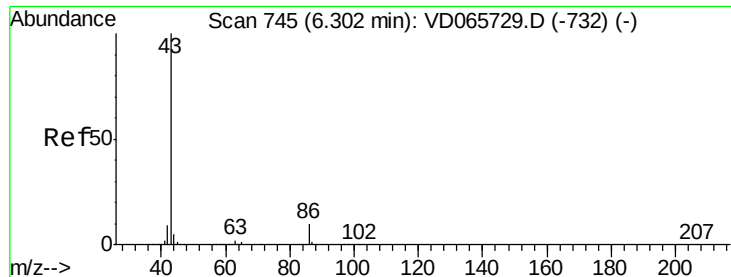
87 28.1 20.1 30.1

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

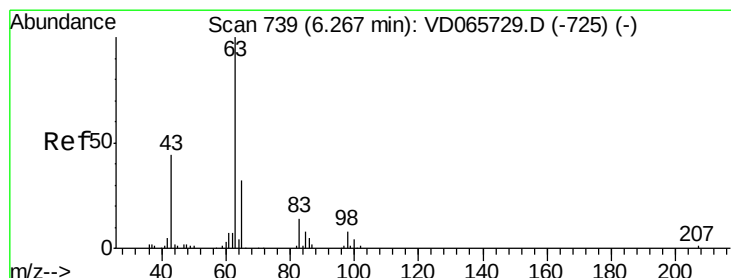
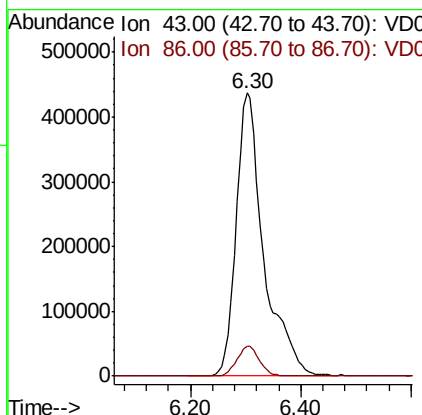
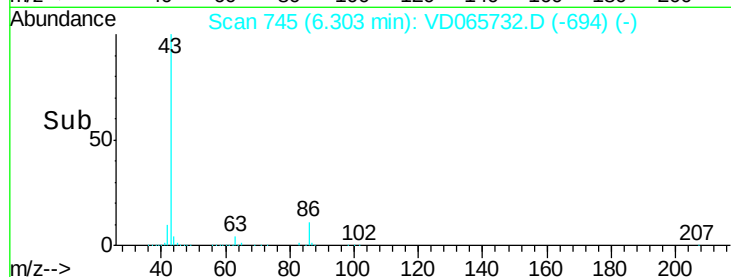
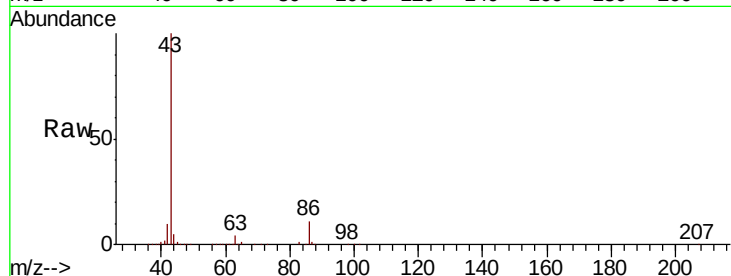
ClientSampleId :

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

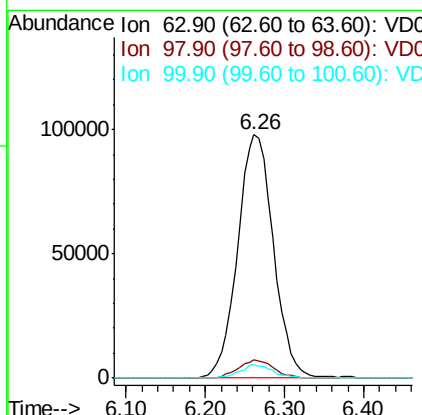
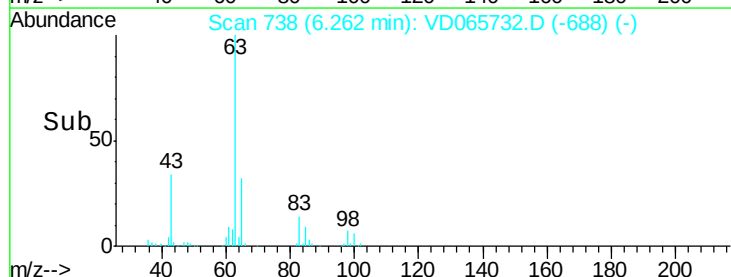
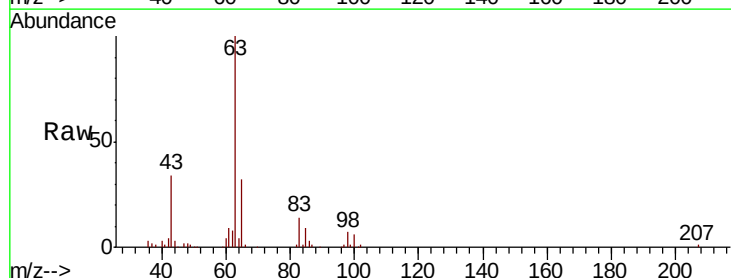
Tgt Ion: 63 Resp: 307333

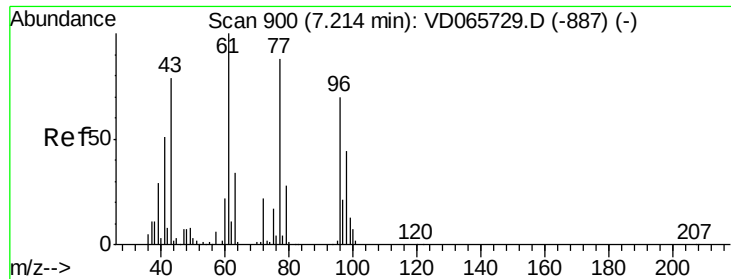
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 5.5 2.2 6.6

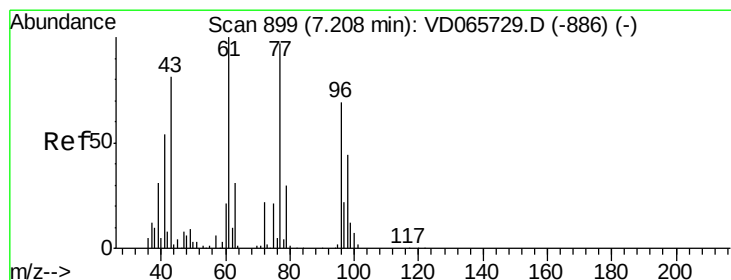
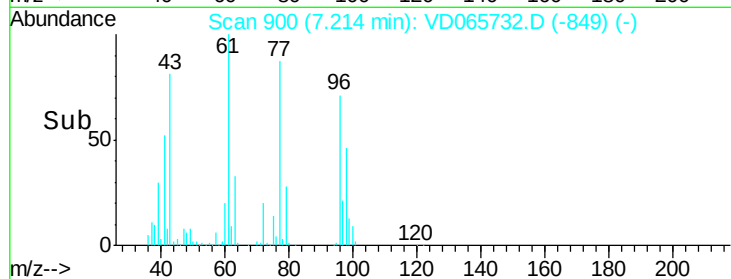
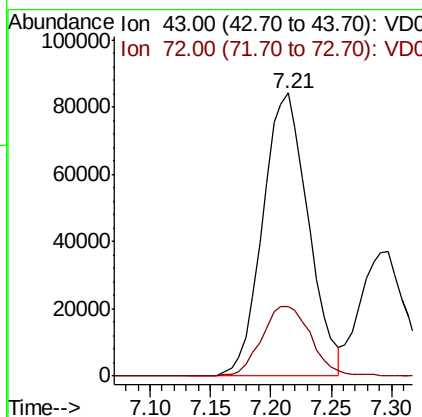
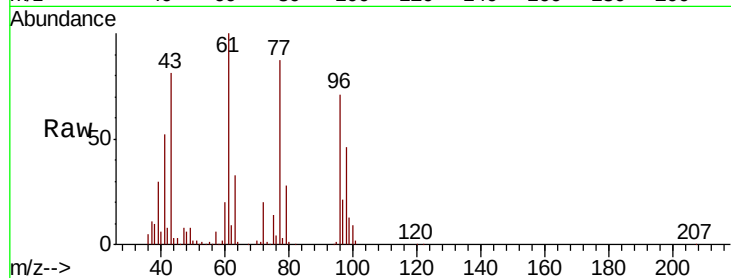




#25
2-Butanone
Concen: 235.676 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

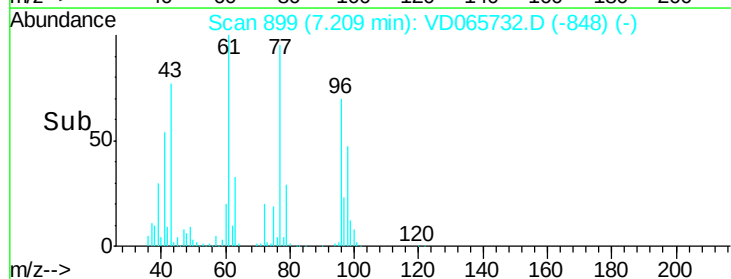
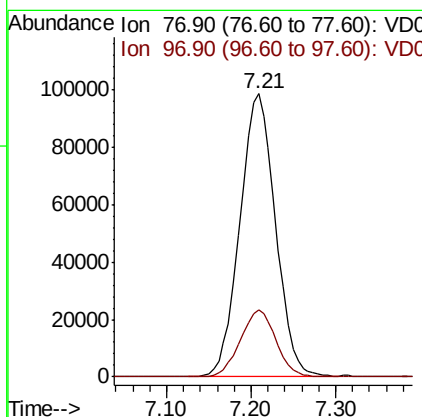
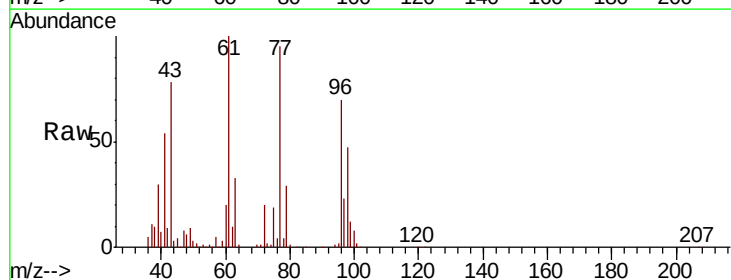
Instrument :
MSVOA_D
ClientSampled :

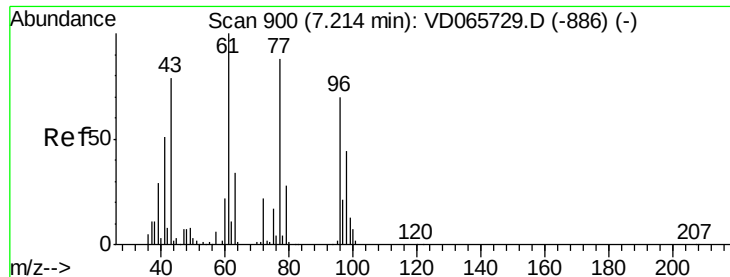
Tot Ion: 43 Resp: 220566
Ion Ratio Lower Upper
43 100
72 24.8 22.3 33.5



#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

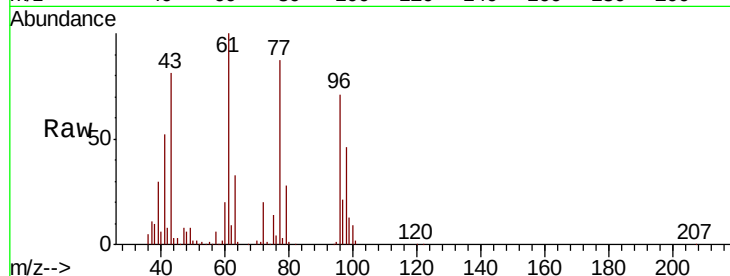




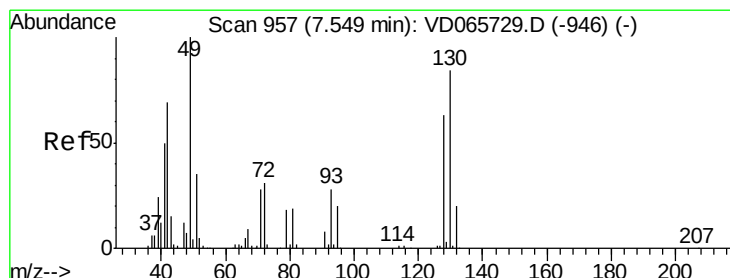
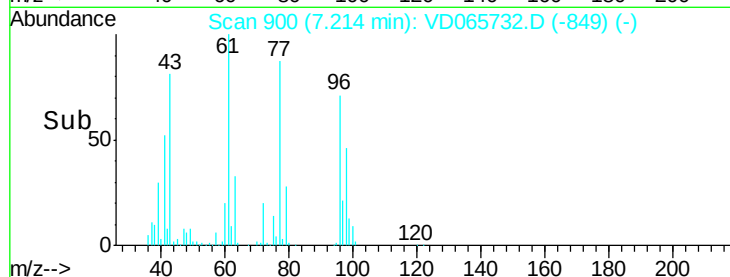
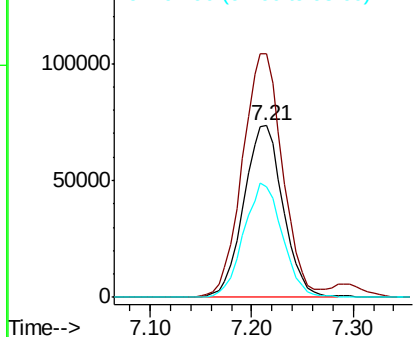
#27
 cis-1,2-Dichloroethene
 Concen: 48.111 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Instrument :
 MSVOA_D
 ClientSampleId :

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

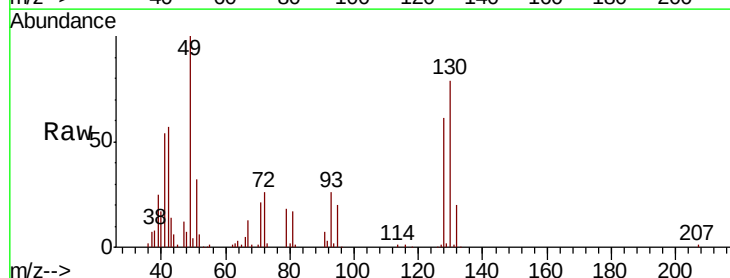


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC

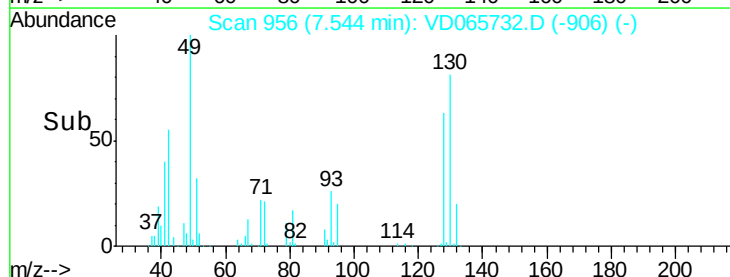
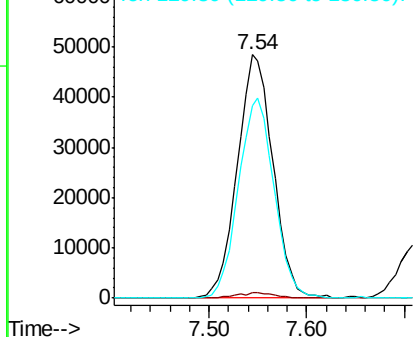


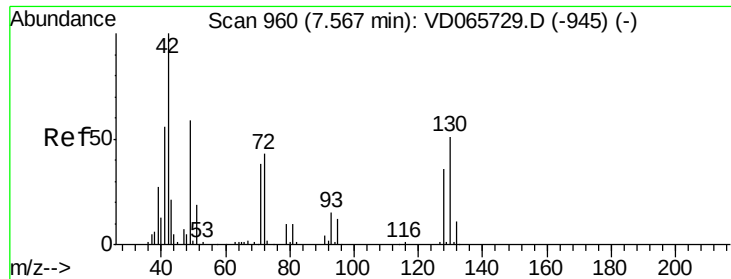
#28
 Bromochloromethane
 Concen: 47.761 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

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

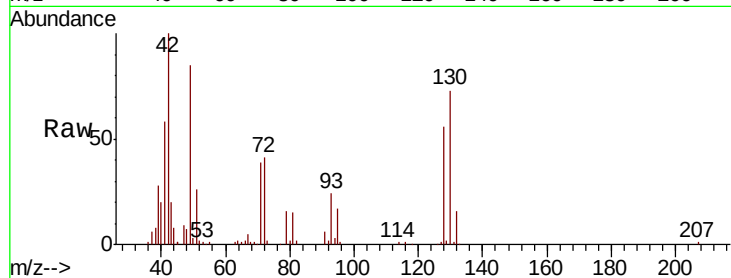




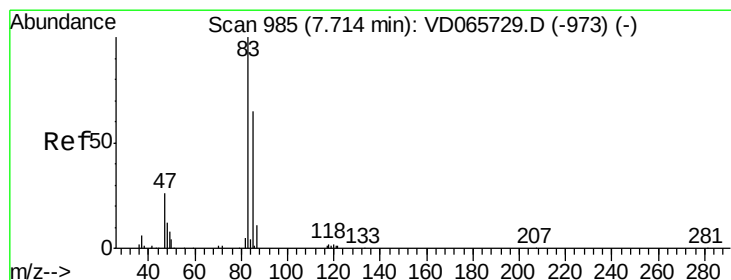
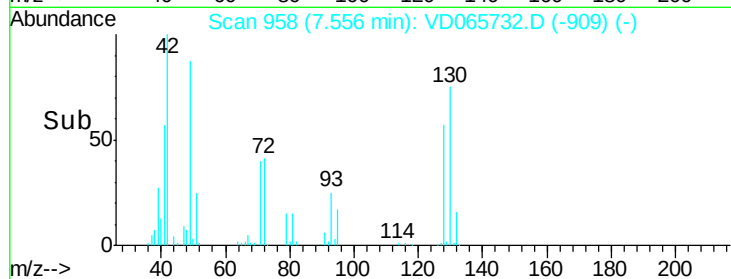
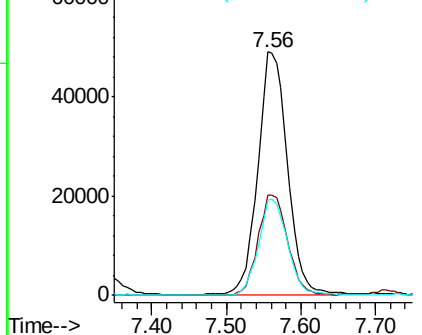
#29
Tetrahydrofuran
Concen: 229.409 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Instrument :
MSVOA_D
ClientSampleId :

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

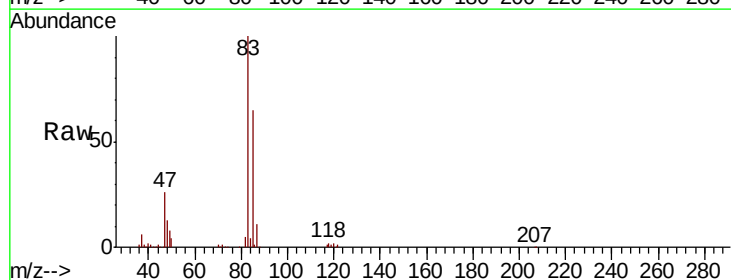


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

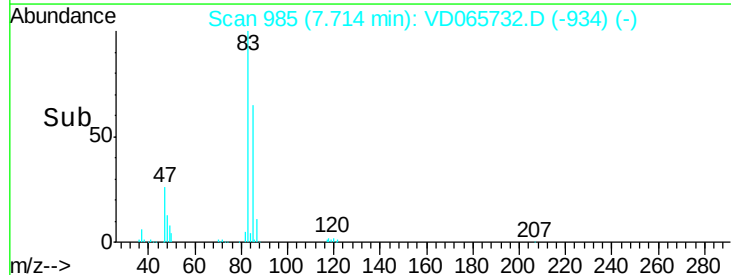
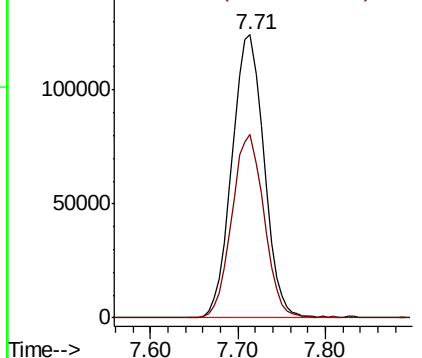


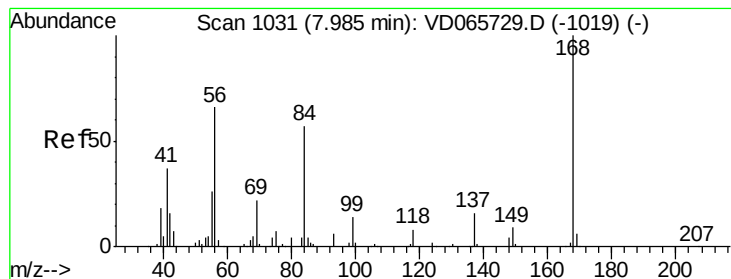
#30
Chloroform
Concen: 48.923 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

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 :

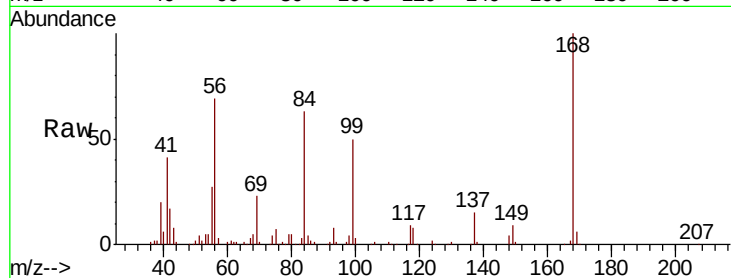
Tot Ion: 56 Resp: 303580

Ion Ratio Lower Upper

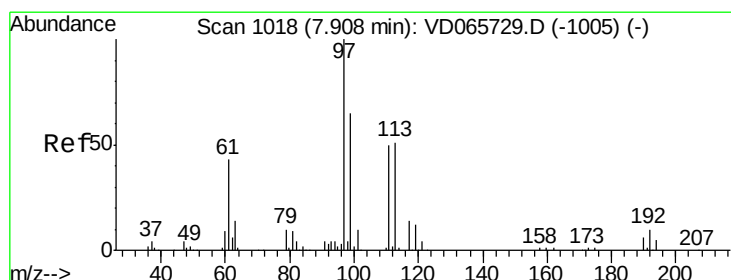
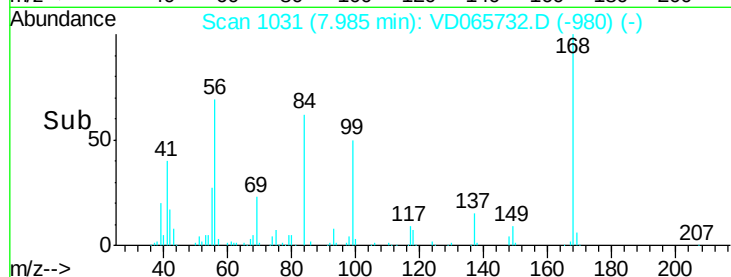
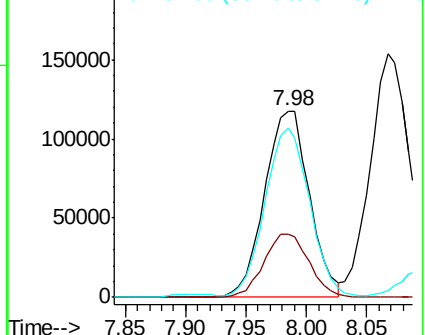
56 100

69 33.9 25.9 38.9

84 89.2 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 50.030 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065732.D

Acq: 13 May 2020 14:54

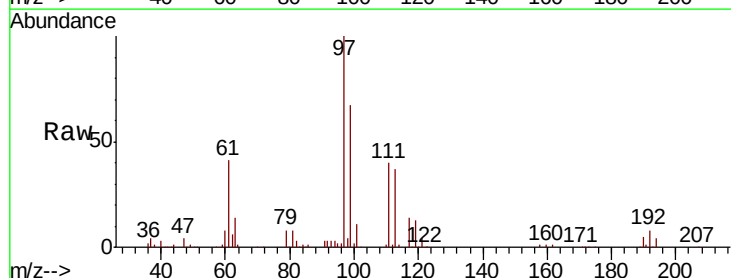
Tgt Ion: 97 Resp: 296709

Ion Ratio Lower Upper

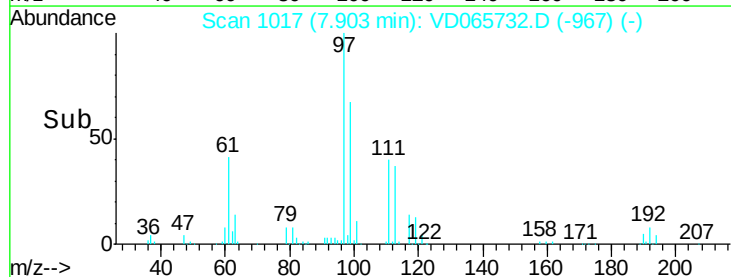
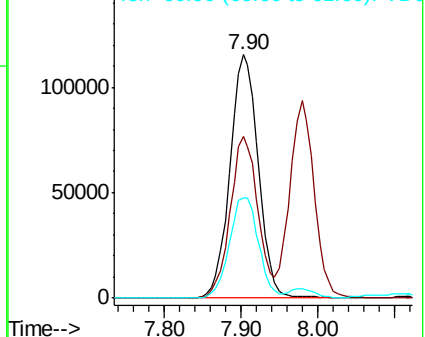
97 100

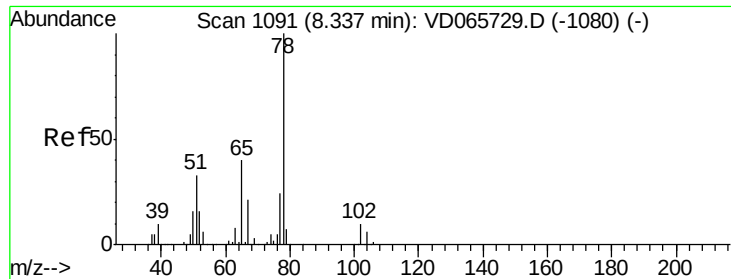
99 65.3 50.5 75.7

61 42.6 33.9 50.9



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

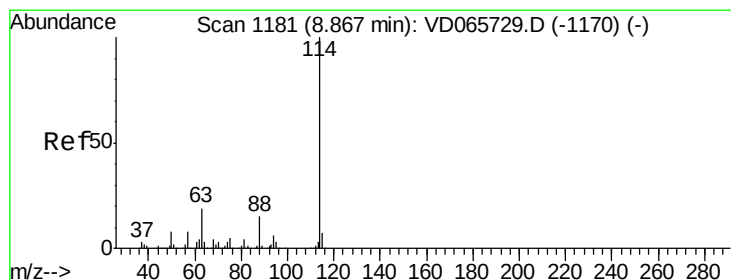
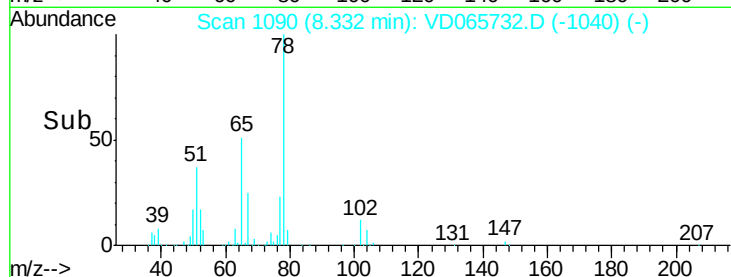
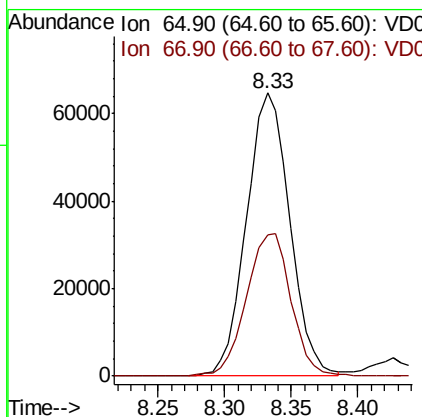
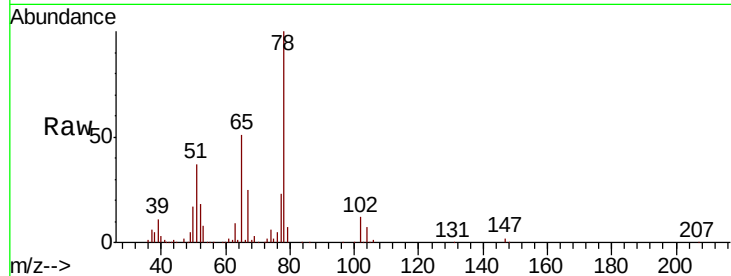




#33
 1,2-Dichloroethane-d4
 Concen: 45.612 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

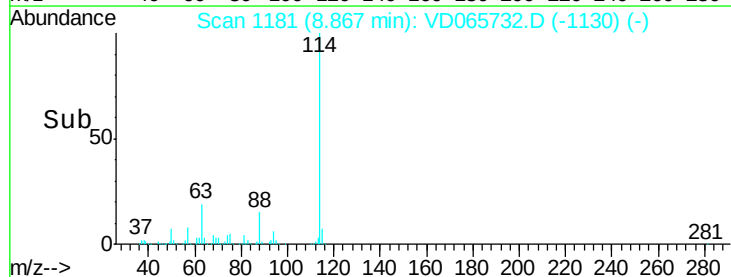
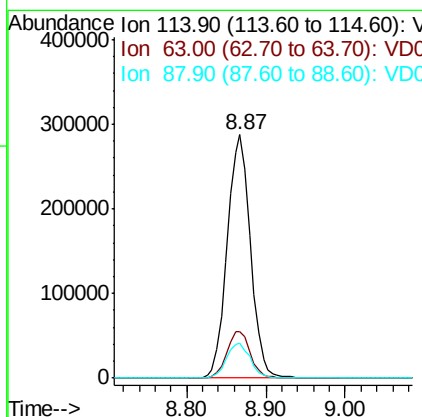
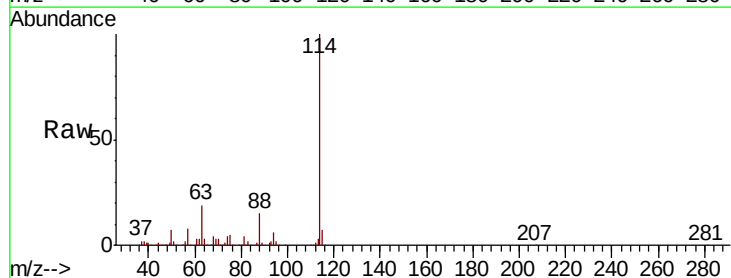
Instrument :
 MSVOA_D
 ClientSampleId :

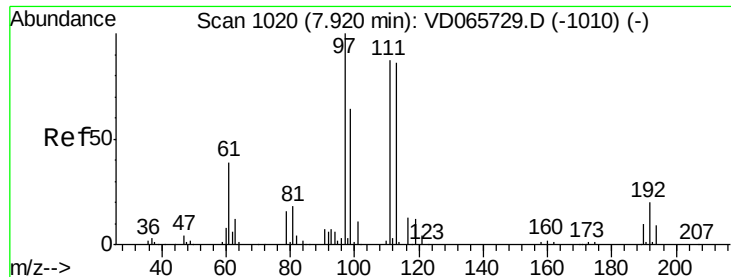
Tot Ion: 65 Resp: 145587
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.2



#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

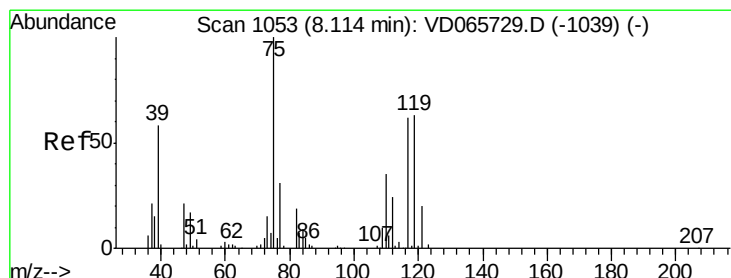
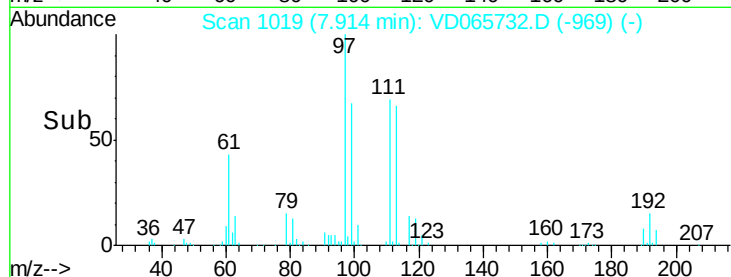
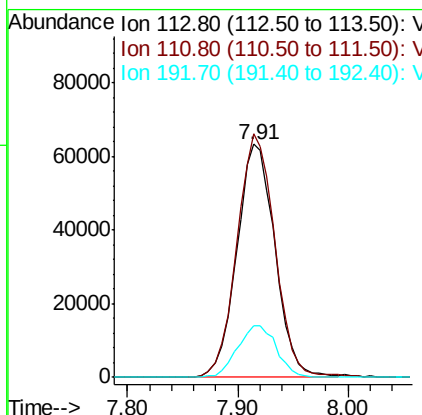
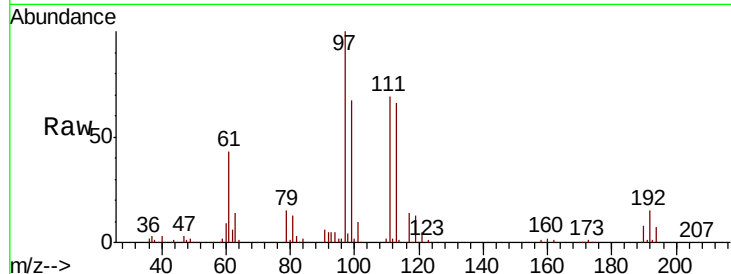




#35
 Dibromofluoromethane
 Concen: 46.602 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

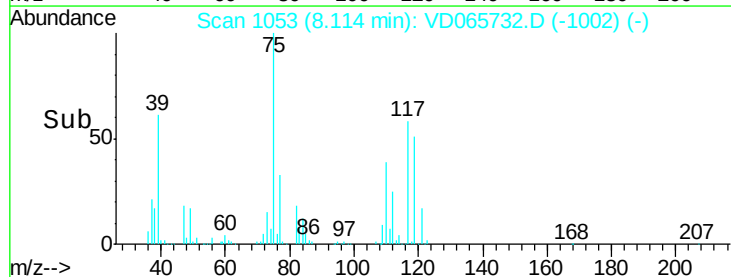
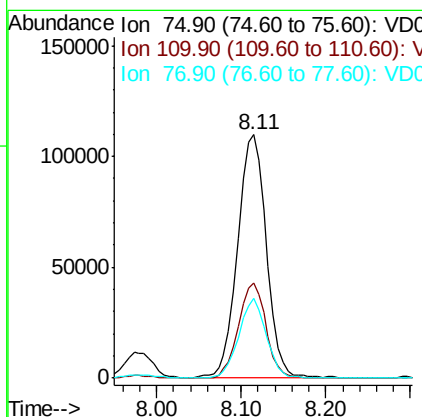
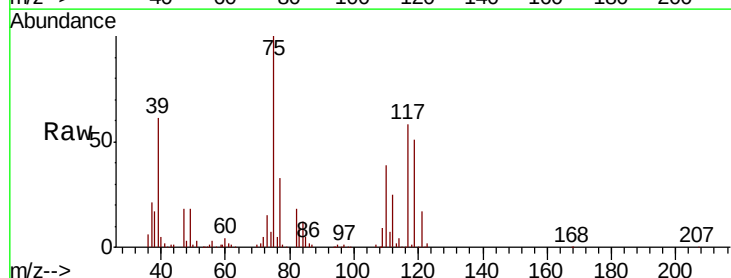
Instrument :
 MSVOA_D
 ClientSampled :

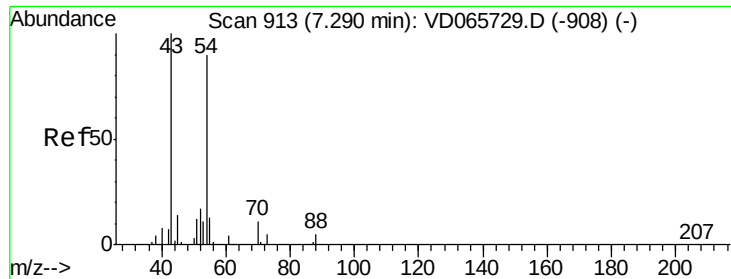
Tot Ion:113 Resp: 153845
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.1 121.7
 192 22.5 17.6 26.4



#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

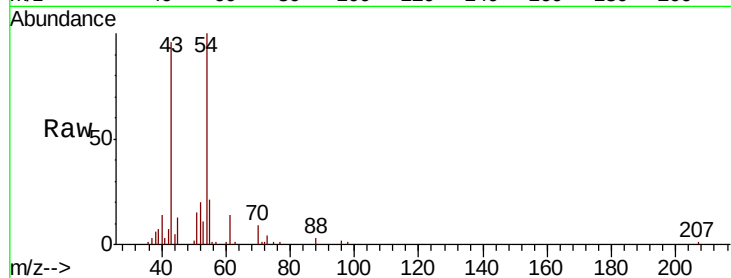




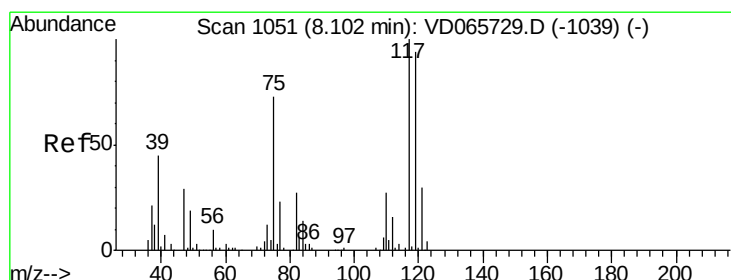
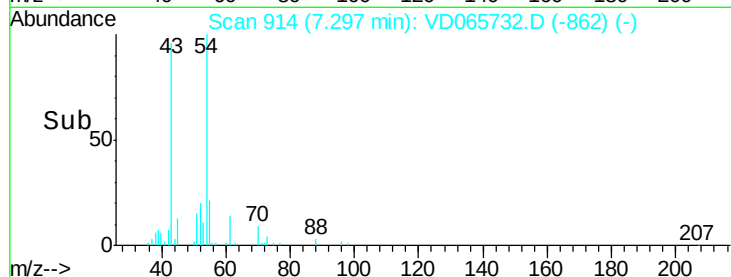
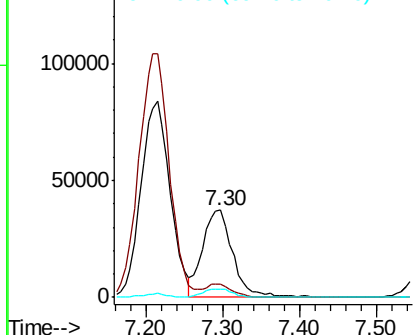
#37
Ethyl Acetate
Concen: 45.750 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 99185
Ion Ratio Lower Upper
43 100
61 11.8 9.8 14.6
70 10.2 8.6 12.8

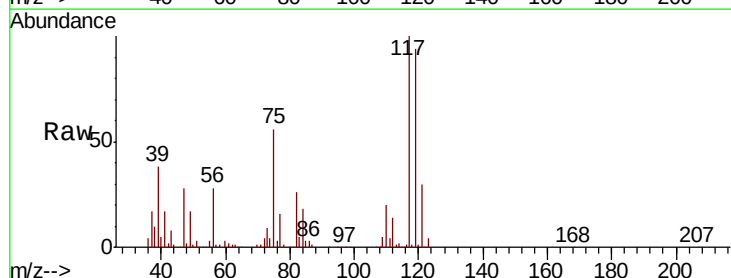


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

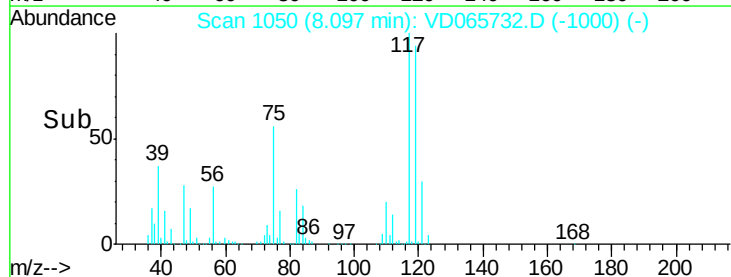
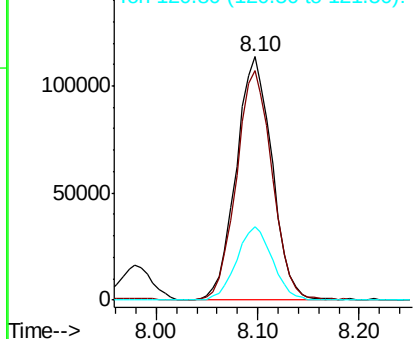


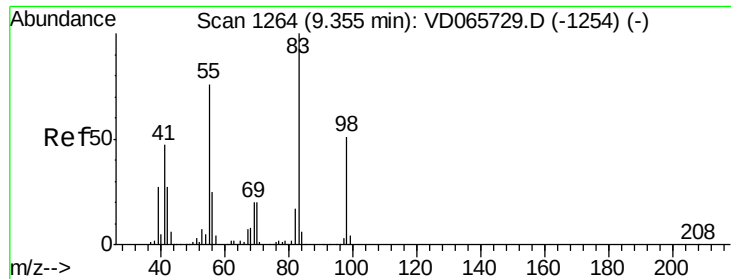
#38
Carbon Tetrachloride
Concen: 51.620 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion: 117 Resp: 277068
Ion Ratio Lower Upper
117 100
119 94.3 75.6 113.4
121 30.1 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

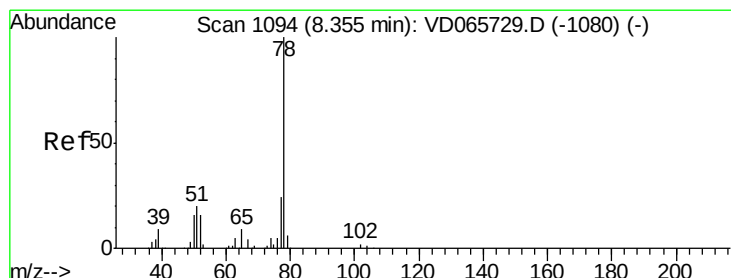
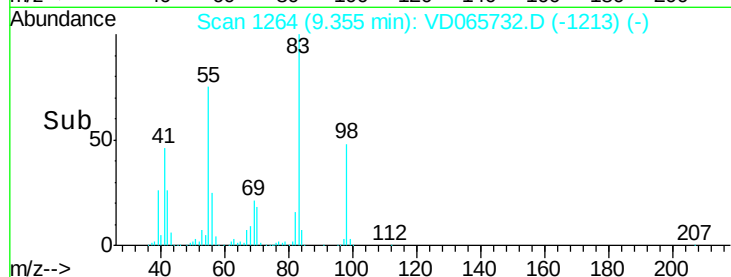
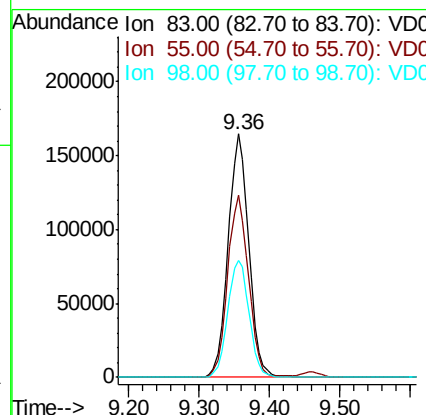
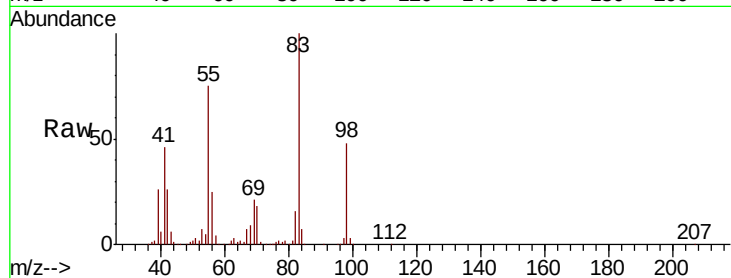




#39
Methylvlcyclohexane
Concen: 51.505 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

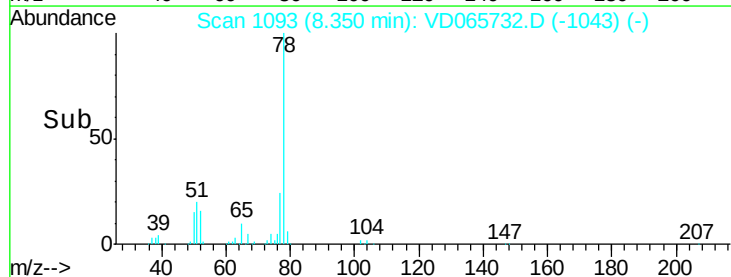
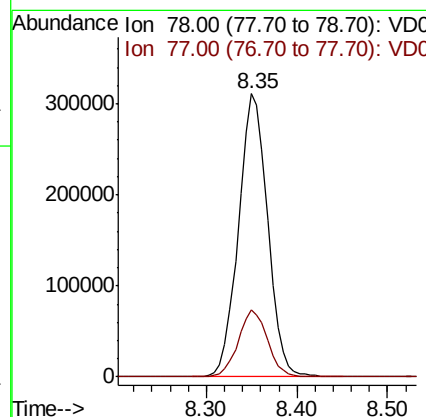
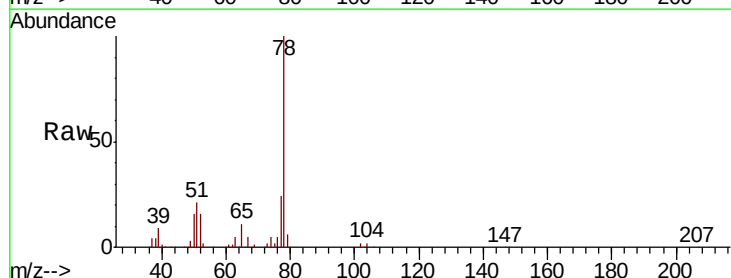
Instrument :
MSVOA_D
ClientSampled :

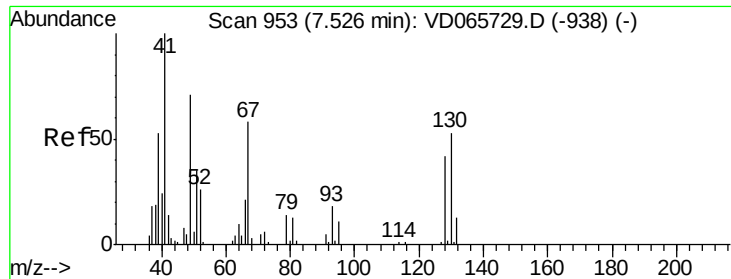
Tot Ion: 83 Resp: 334027
Ion Ratio Lower Upper
83 100
55 74.6 60.9 91.3
98 48.0 40.6 61.0



#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 :

Tot Ion: 41 Resp: 58378

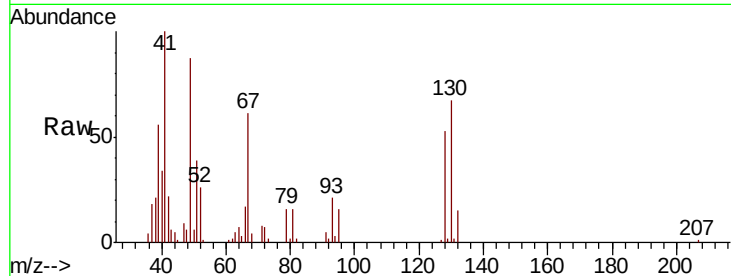
Ion Ratio Lower Upper

41 100

39 54.9 56.8 85.2#

67 69.9 57.9 86.9

52 31.7 25.9 38.9

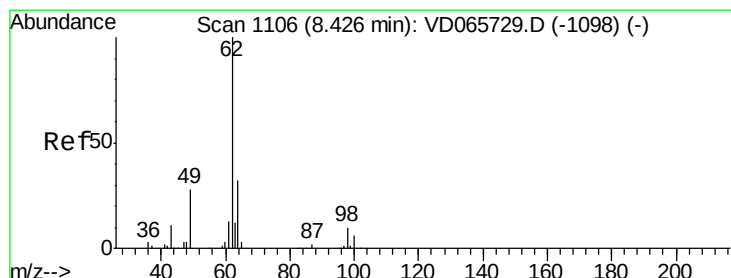
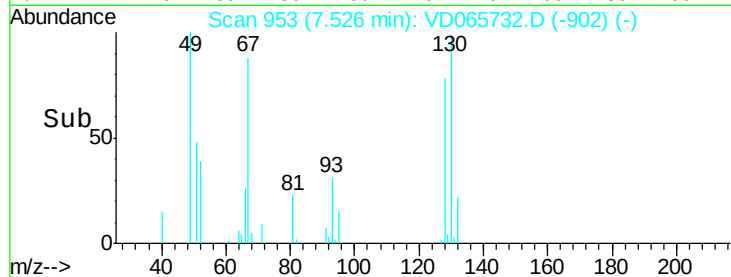
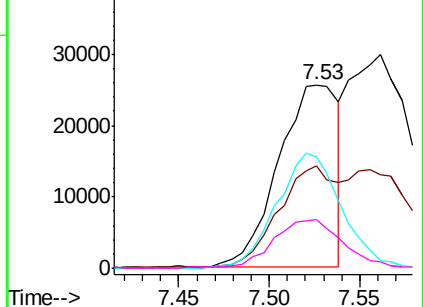


Abundance Ion 41.00 (40.70 to 41.70): VDC

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

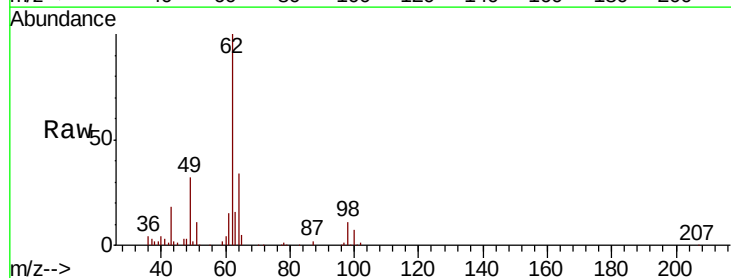
Acq: 13 May 2020 14:54

Tgt Ion: 62 Resp: 186874

Ion Ratio Lower Upper

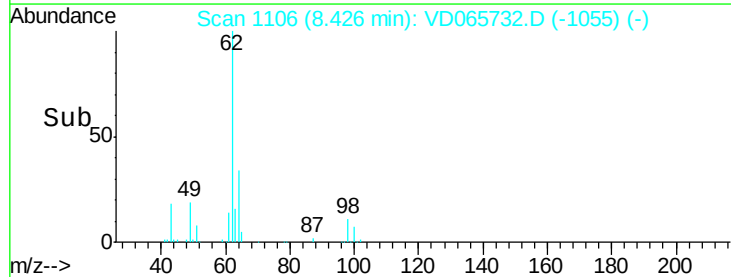
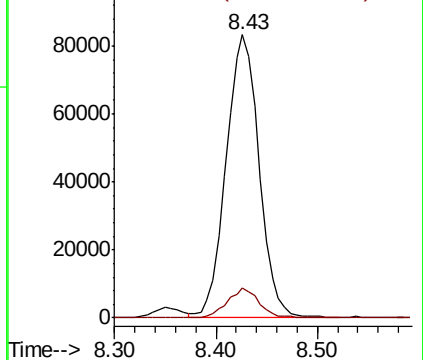
62 100

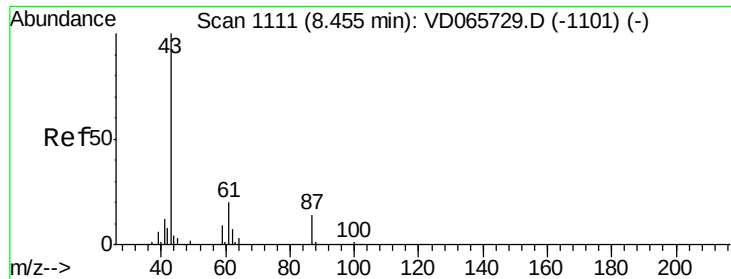
98 10.1 0.0 19.6



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 :

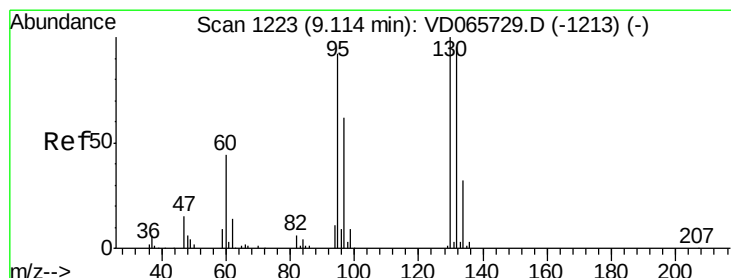
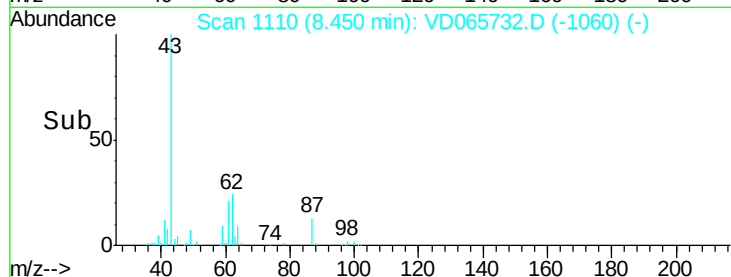
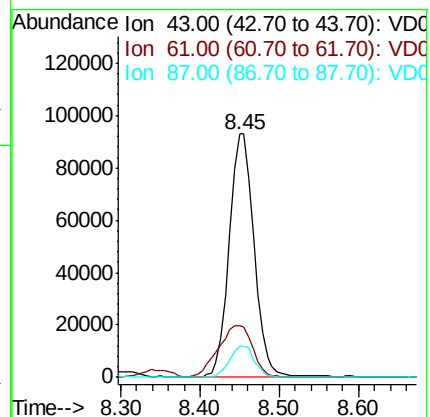
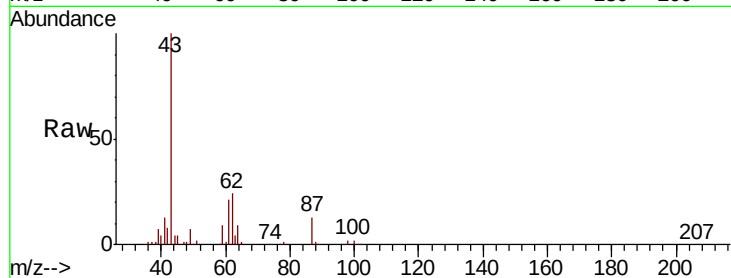
Tot Ion: 43 Resp: 201795

Ion Ratio Lower Upper

43 100

61 29.7 23.8 35.6

87 12.7 10.5 15.7



#44

Trichloroethene

Concen: 49.720 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065732.D

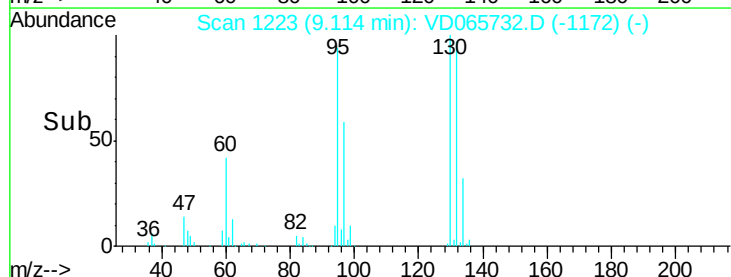
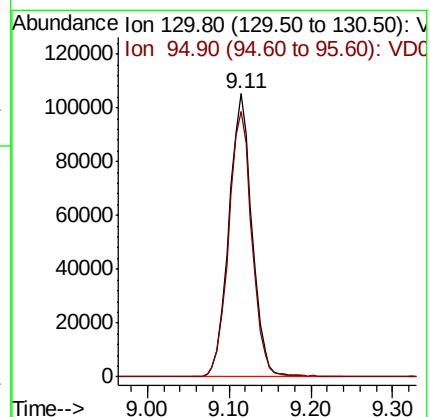
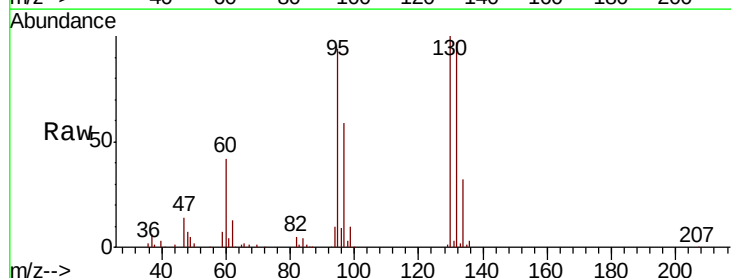
Acq: 13 May 2020 14:54

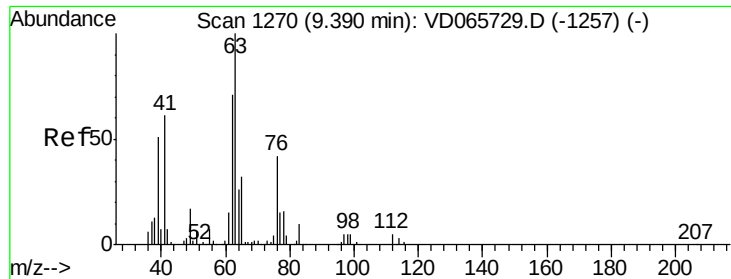
Tgt Ion:130 Resp: 207134

Ion Ratio Lower Upper

130 100

95 93.7 0.0 183.6

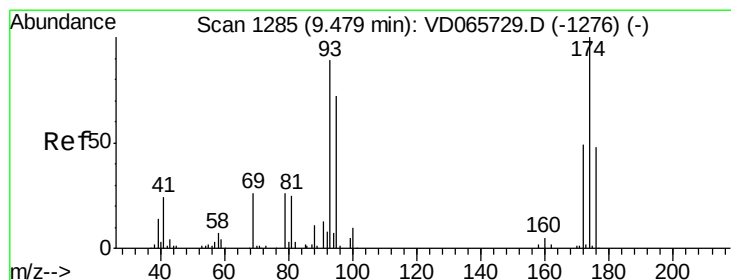
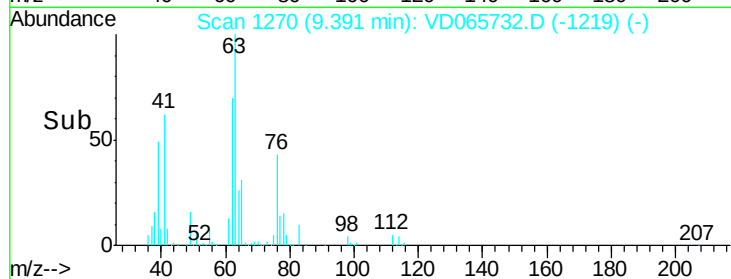
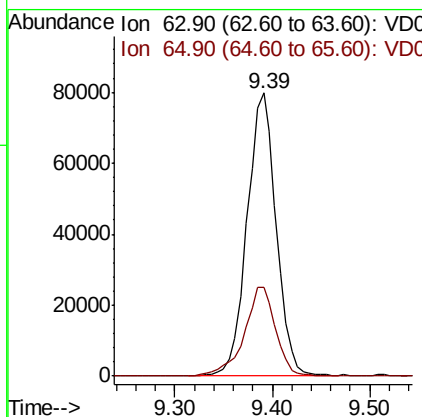
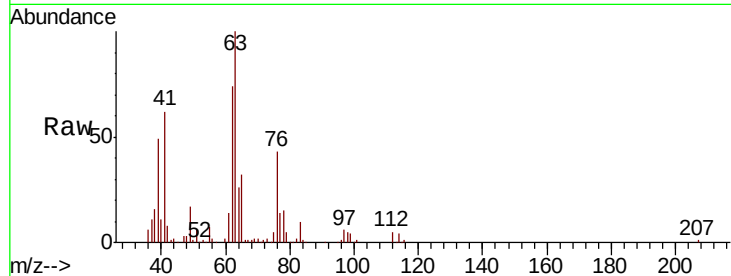




#45
 1,2-Dichloropropane
 Concen: 48.768 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

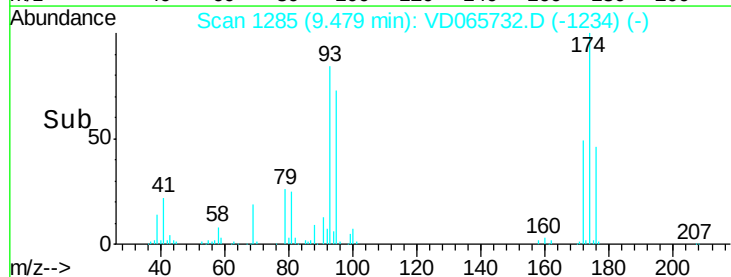
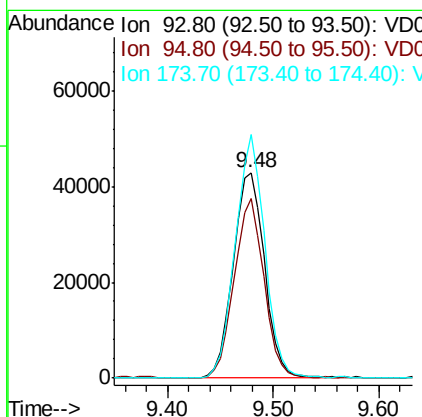
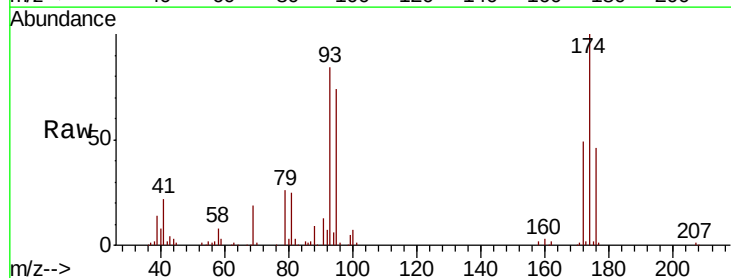
Instrument :
 MSVOA_D
 ClientSampleId :

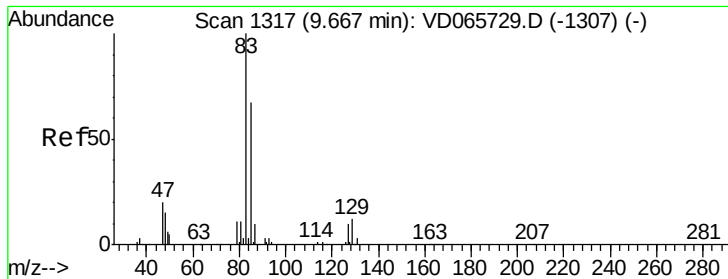
Tot Ion: 63 Resp: 167320
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.3 37.9



#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 :

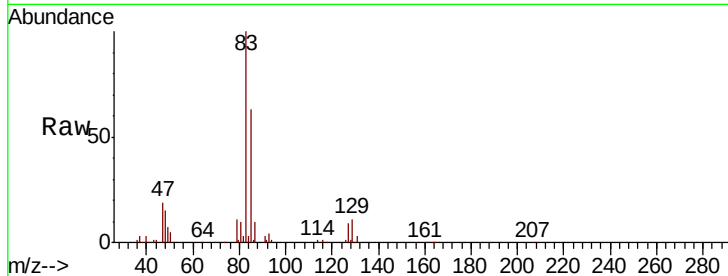
Tot Ion: 83 Resp: 236170

Ion Ratio Lower Upper

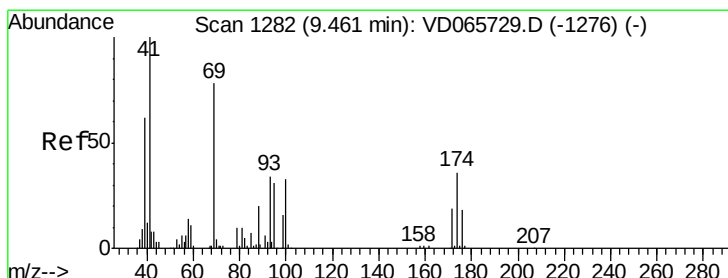
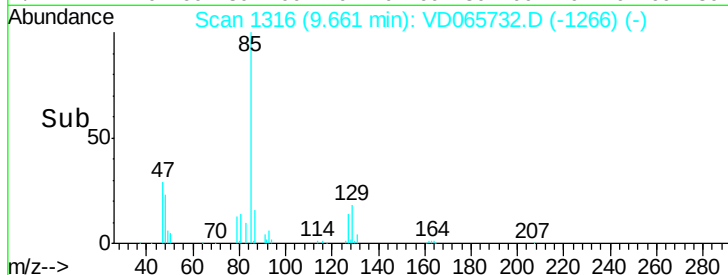
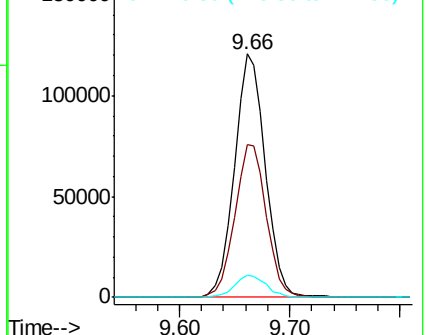
83 100

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

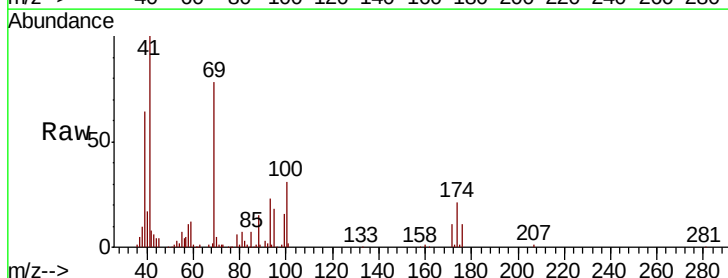
Tgt Ion: 41 Resp: 97360

Ion Ratio Lower Upper

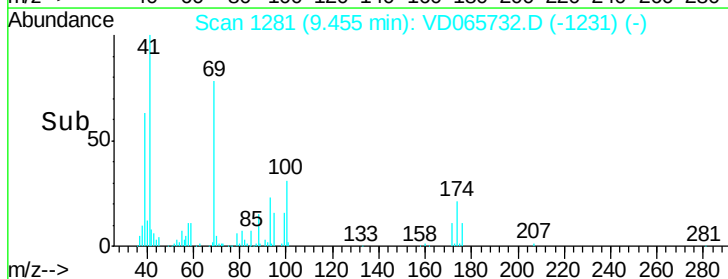
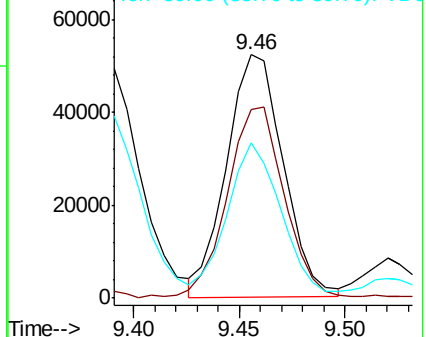
41 100

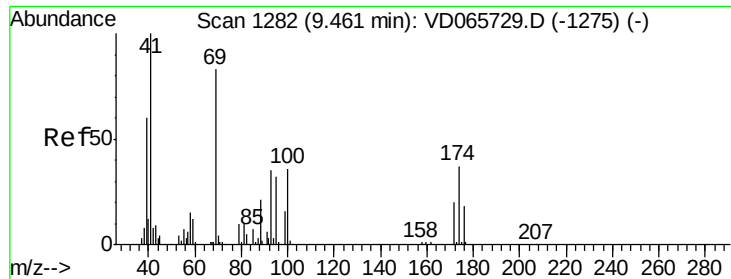
69 78.6 64.4 96.6

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

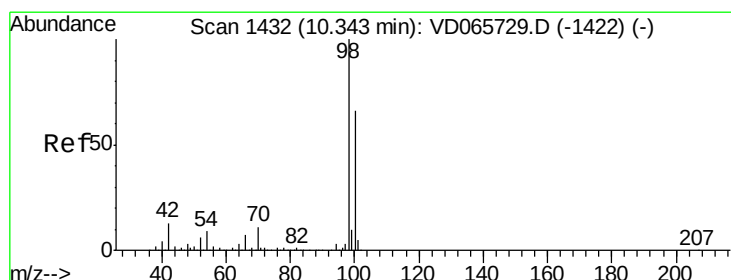
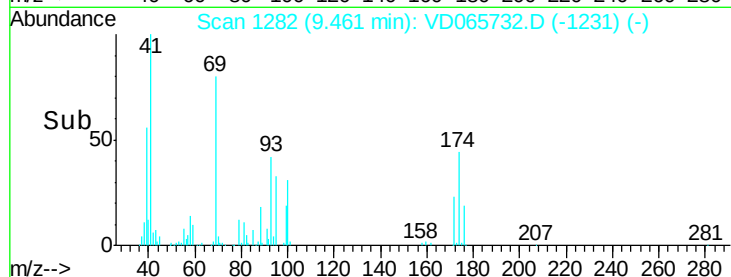
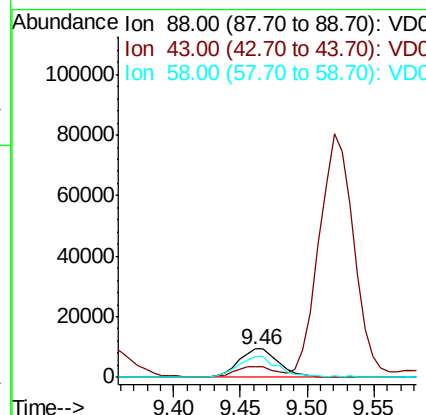
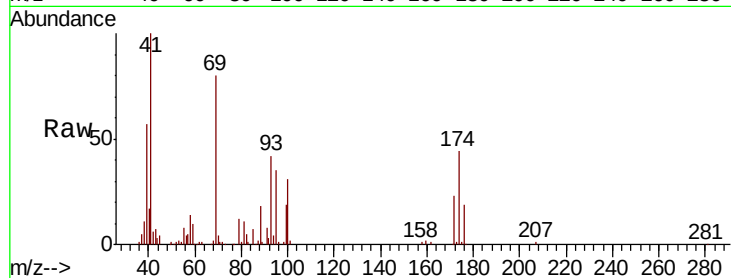




#49
 1,4-Dioxane
 Concen: 897.854 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

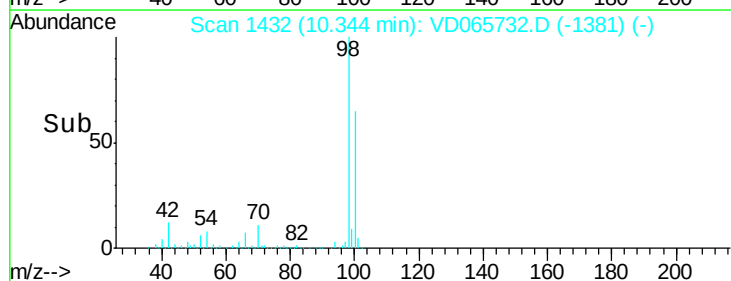
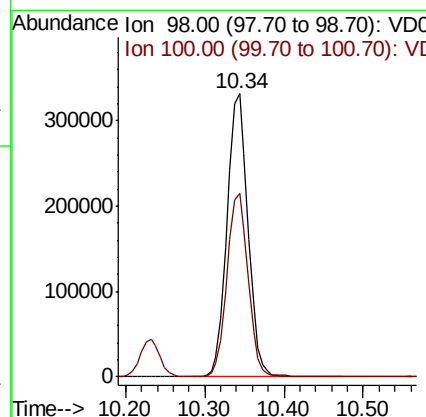
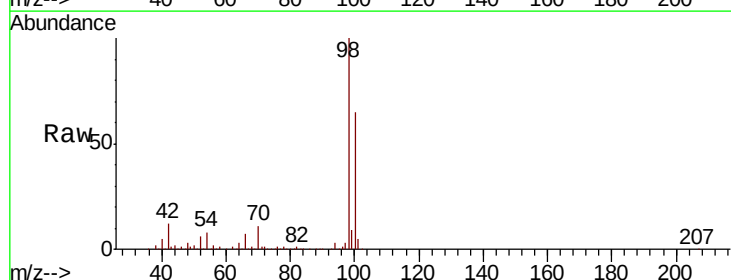
Instrument :
 MSVOA_D
 ClientSampled :

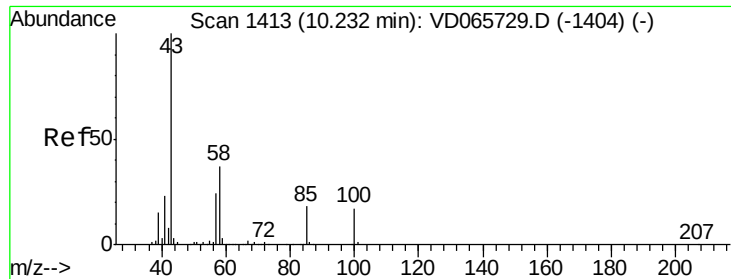
Tot Ion: 88 Resp: 19599
 Ion Ratio Lower Upper
 88 100
 43 40.2 29.4 44.0
 58 78.8 55.1 82.7



#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

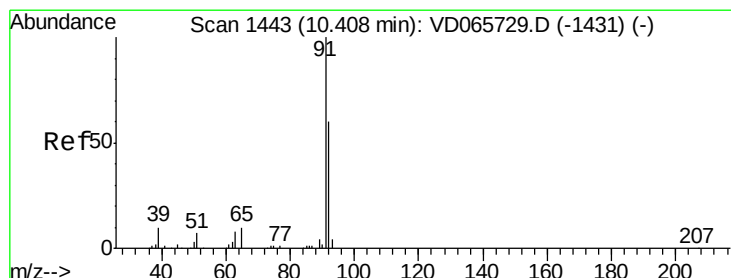
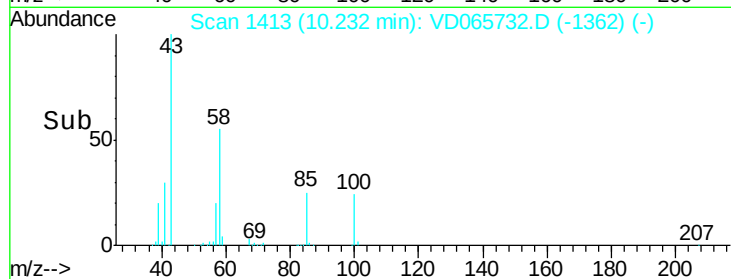
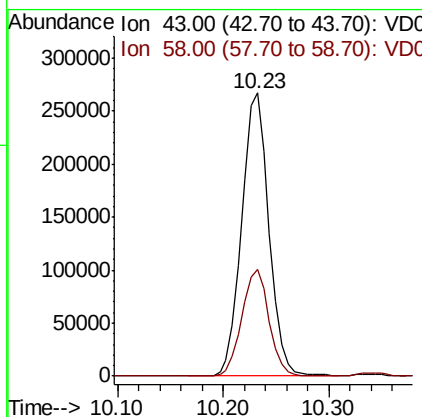
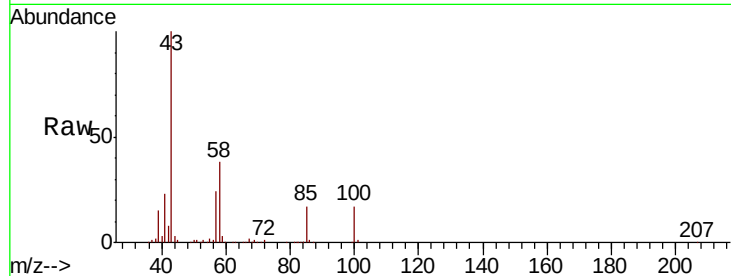




#51
 4-Methyl-2-Pentanone
 Concen: 232.512 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

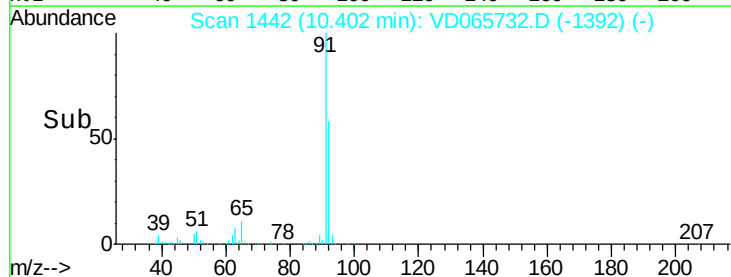
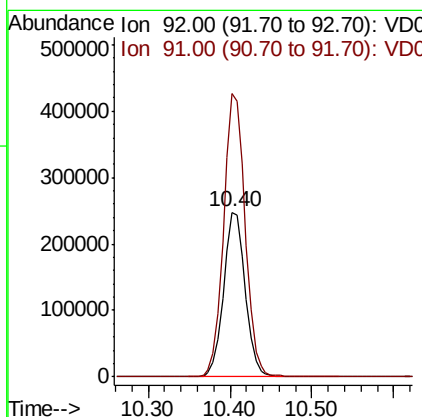
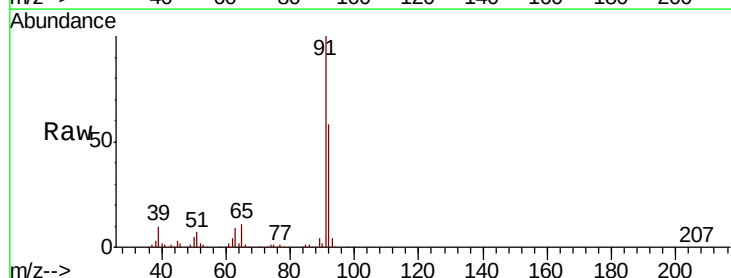
Instrument :
 MSVOA_D
 ClientSampleID :

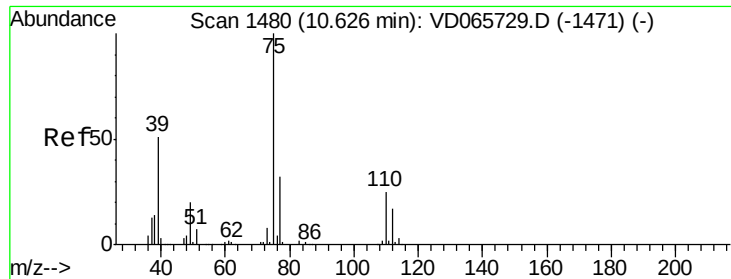
Tot Ion: 43 Resp: 478123
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.2



#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

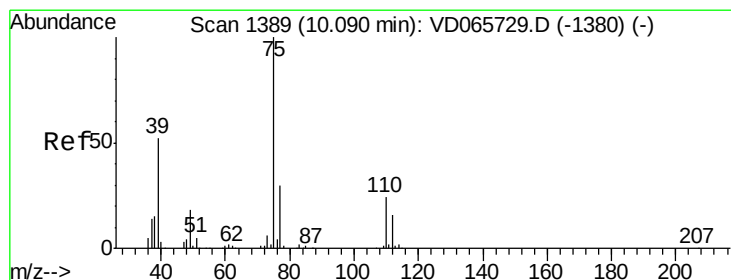
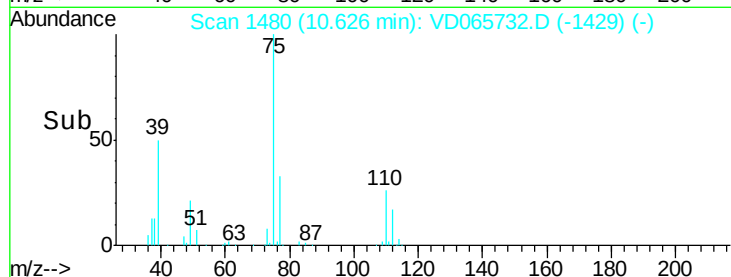
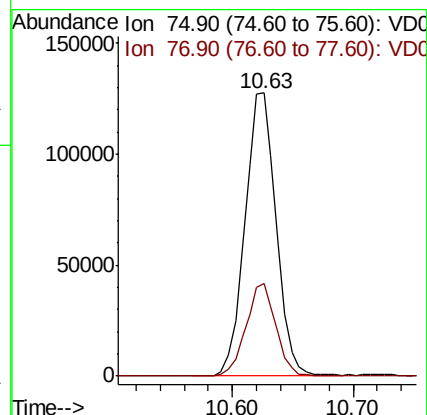
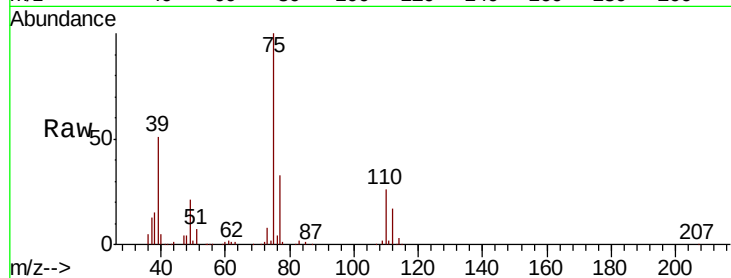
ClientSampled :

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

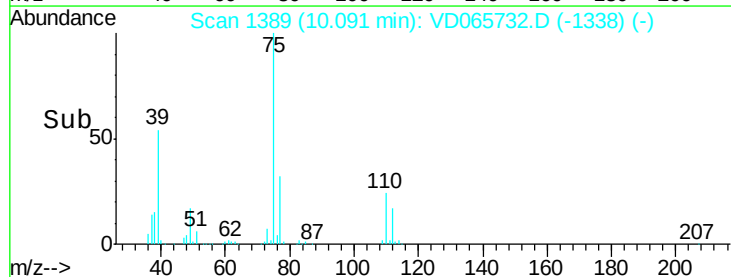
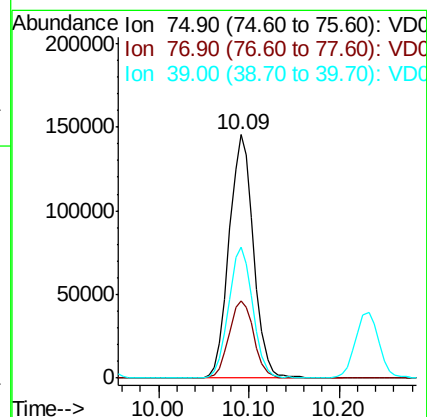
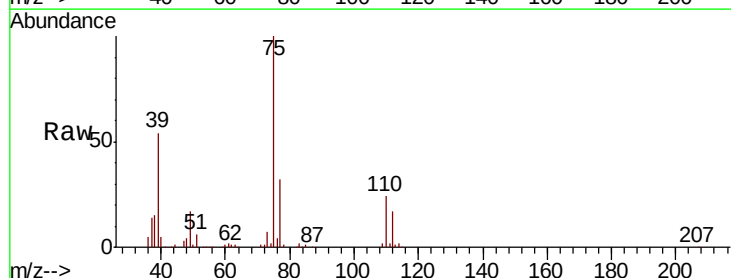
Tgt Ion: 75 Resp: 271516

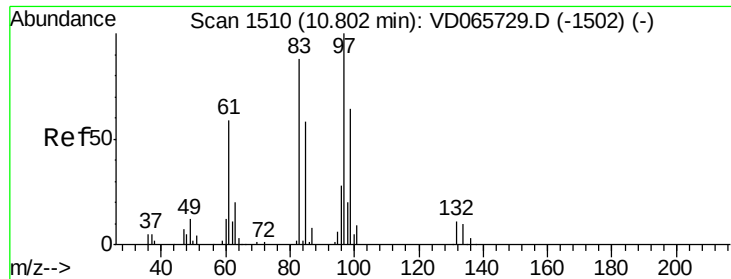
Ion Ratio Lower Upper

75 100

77 32.0 23.8 35.6

39 53.9 41.9 62.9

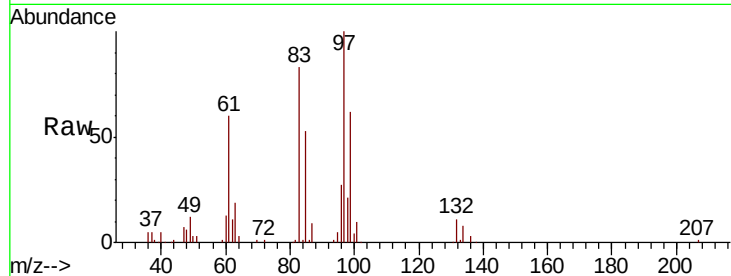




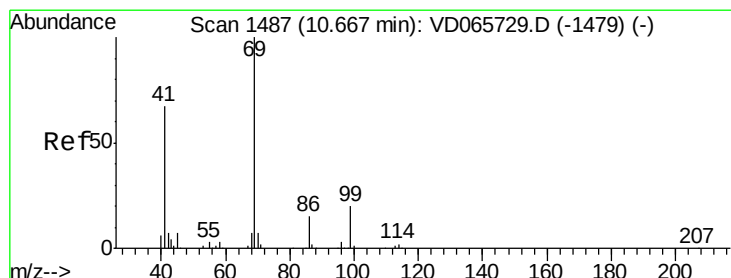
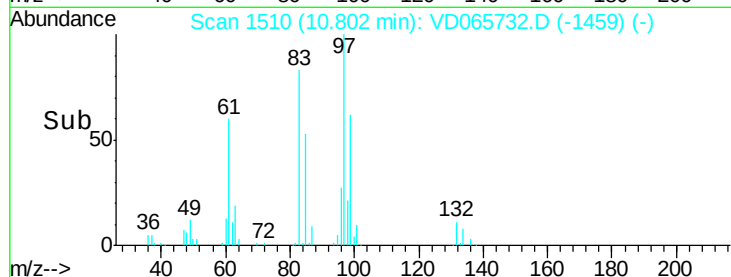
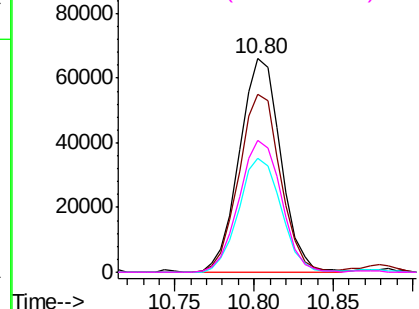
#55
 1,1,2-Trichloroethane
 Concen: 47.493 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

Instrument :
 MSVOA_D
 ClientSampled :

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

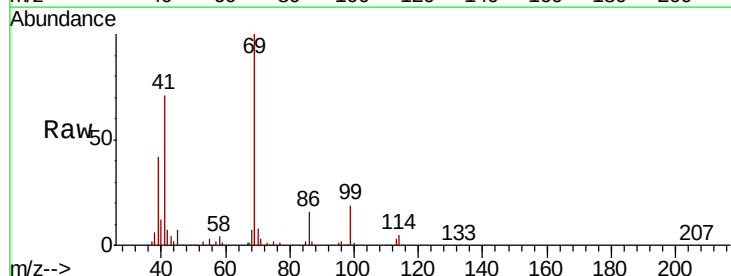


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

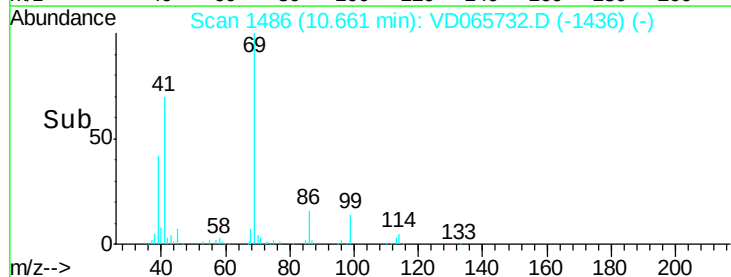
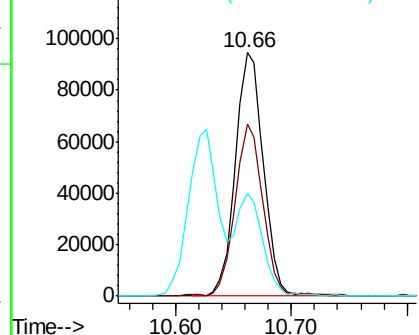


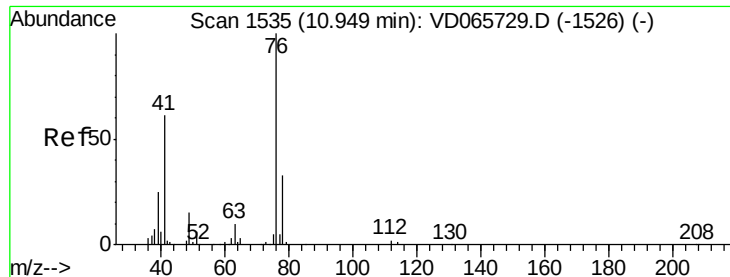
#56
 Ethyl methacrylate
 Concen: 48.361 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

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



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





#57

1,3-Dichloropropane

Concen: 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

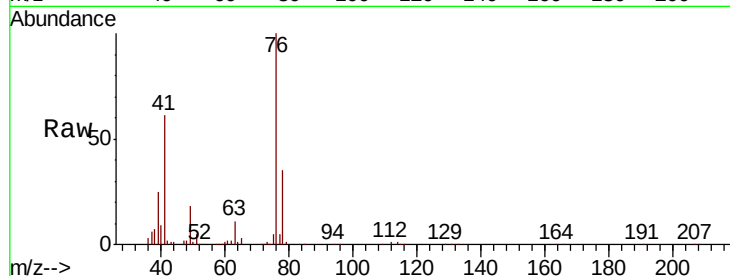
ClientSampleId :

Tot Ion: 76 Resp: 209452

Ion Ratio Lower Upper

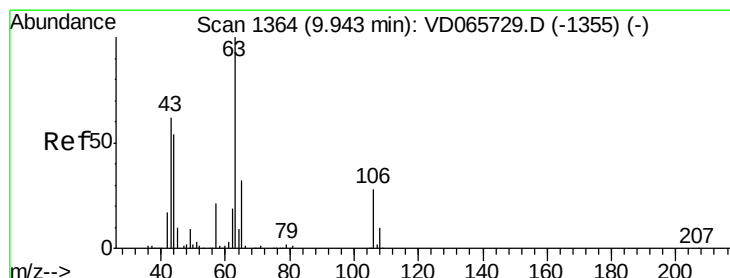
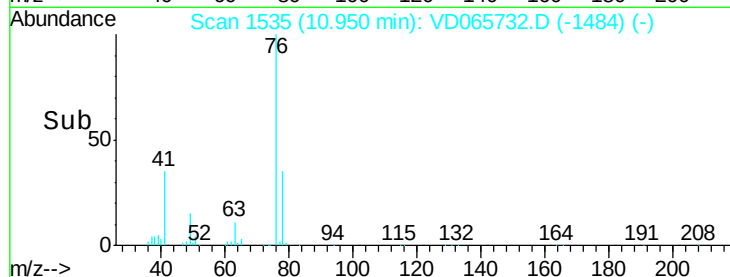
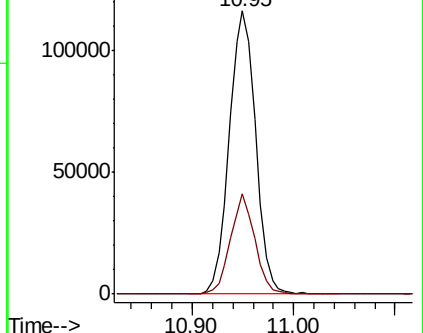
76 100

78 32.7 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 236.697 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065732.D

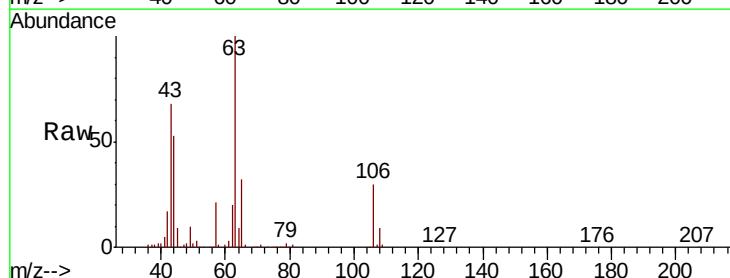
Acq: 13 May 2020 14:54

Tgt Ion: 63 Resp: 361724

Ion Ratio Lower Upper

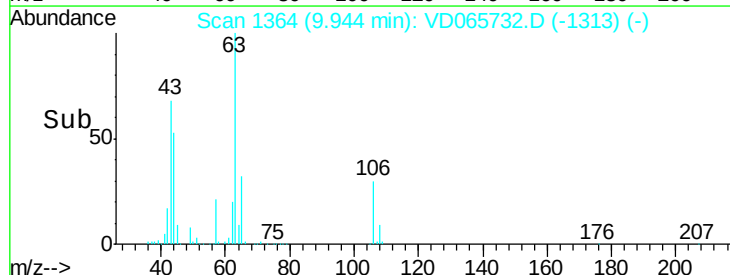
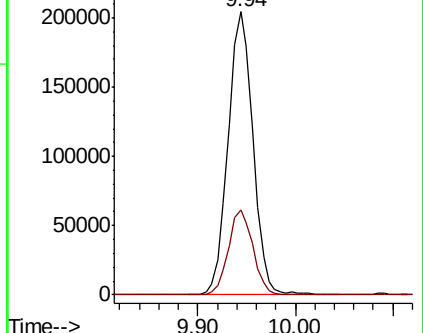
63 100

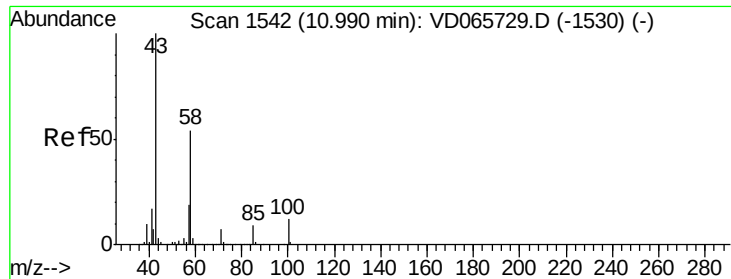
106 29.7 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

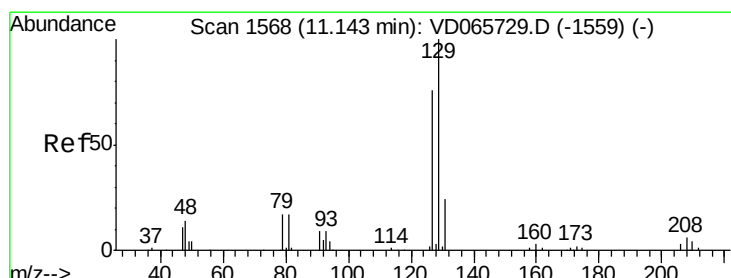
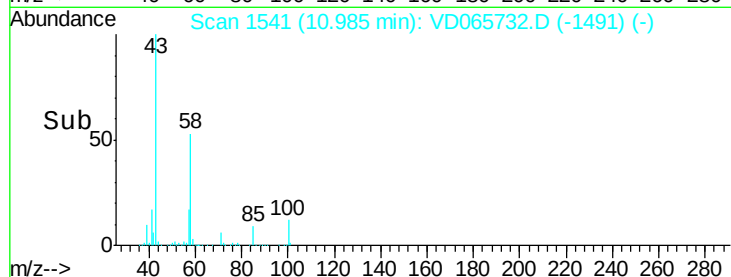
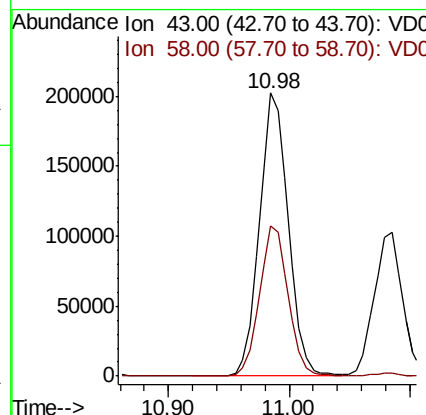
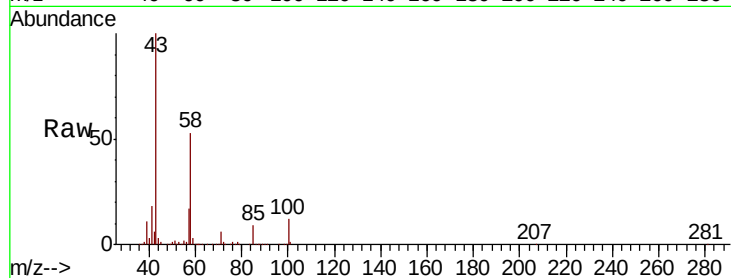




#59
2-Hexanone
Concen: 241.530 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

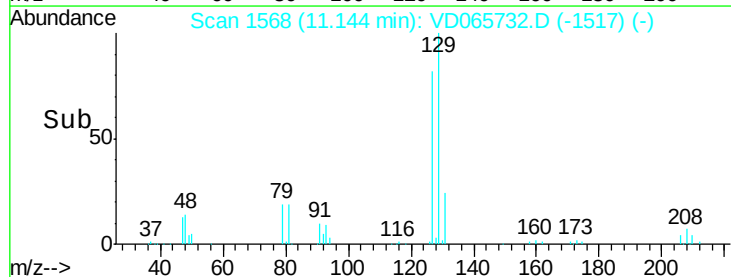
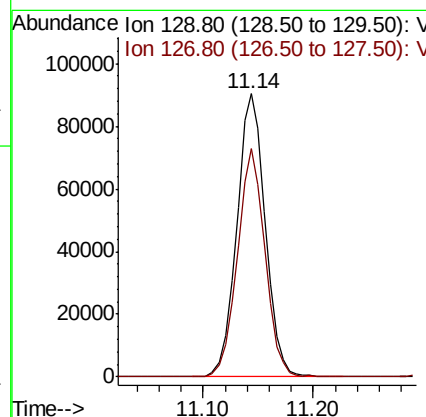
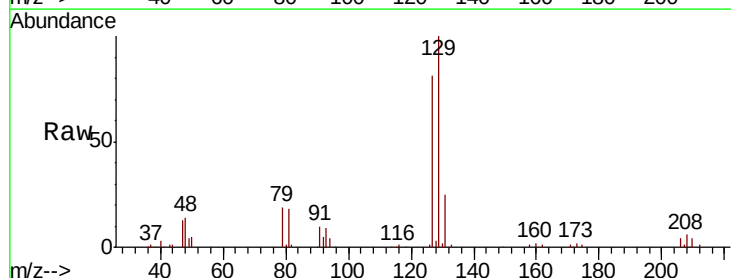
Instrument :
MSVOA_D
ClientSampleId :

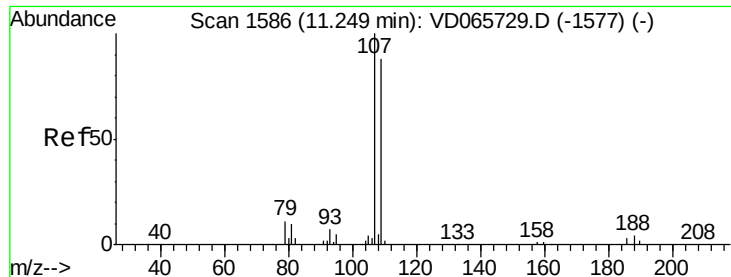
Tot Ion: 43 Resp: 338218
Ion Ratio Lower Upper
43 100
58 52.7 26.7 80.1



#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

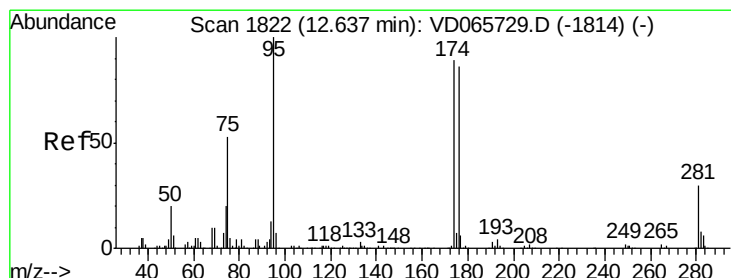
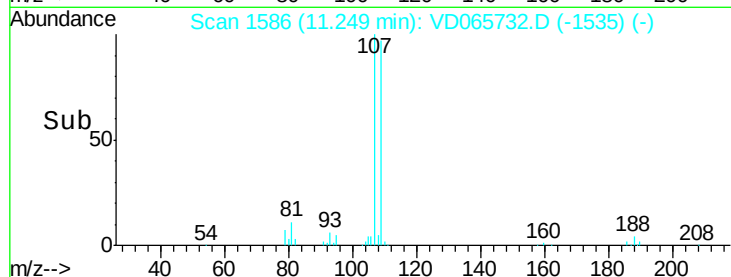
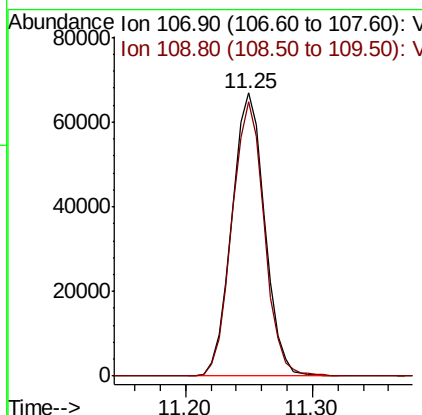
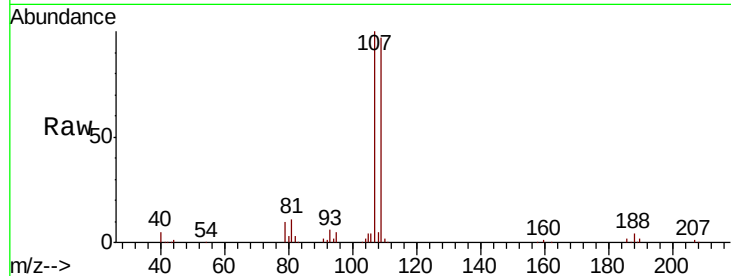




#61
 1,2-Dibromoethane
 Concen: 47.532 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

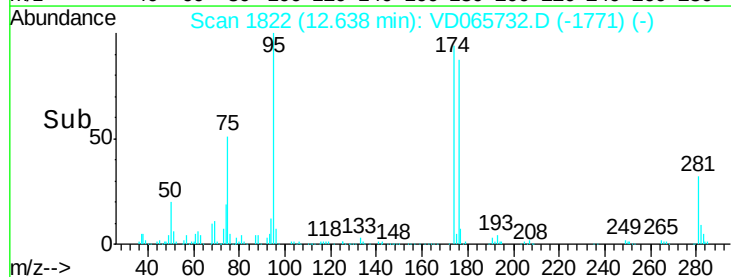
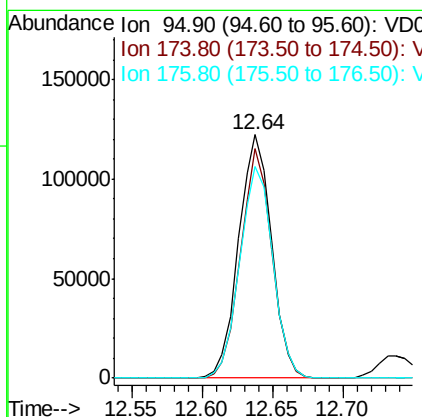
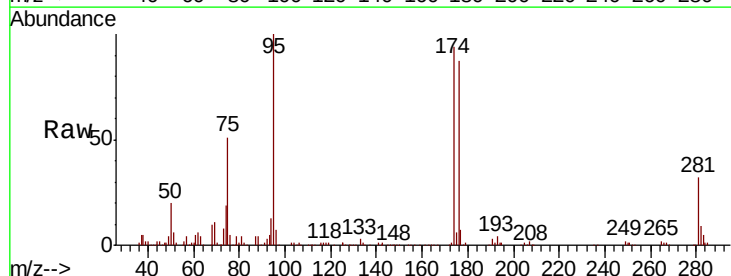
Instrument :
 MSVOA_D
 ClientSampleId :

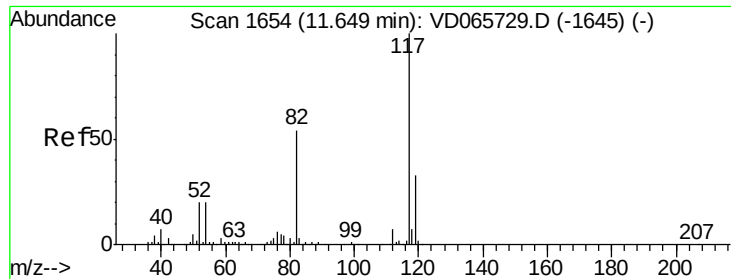
Tot Ion:107 Resp: 119644
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.4 111.6



#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

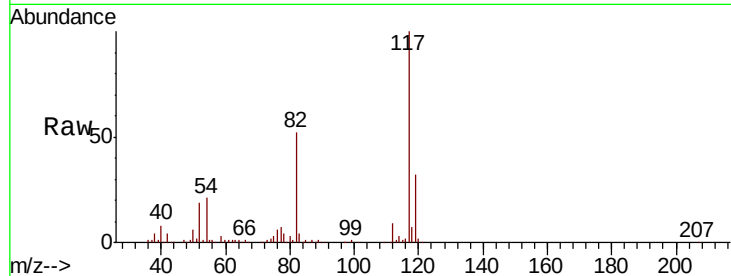




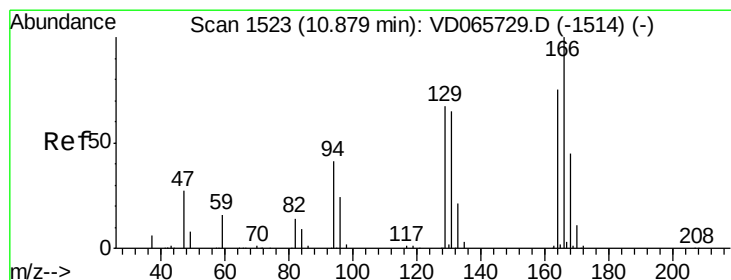
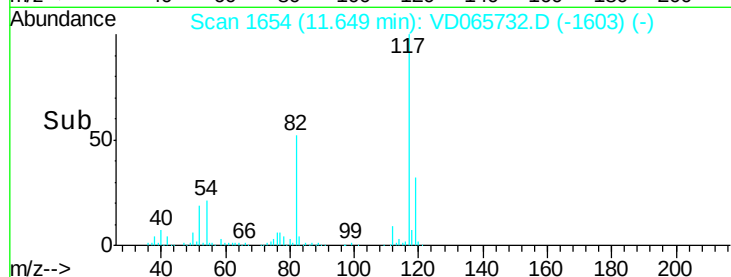
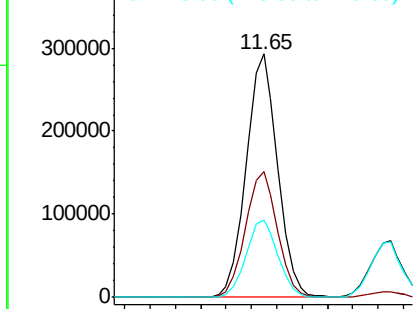
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Instrument :
MSVOA_D
ClientSampleId :

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



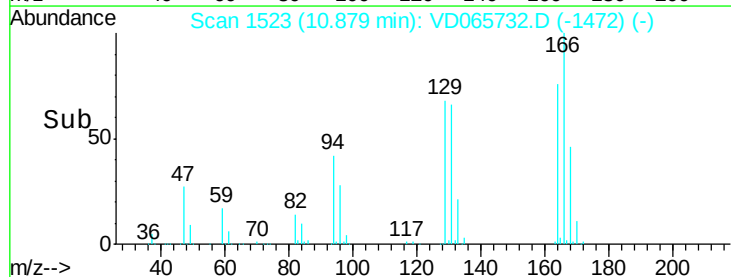
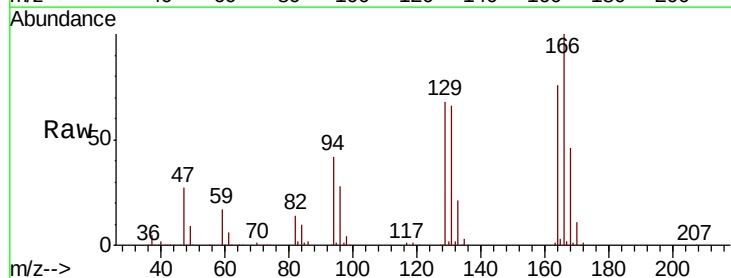
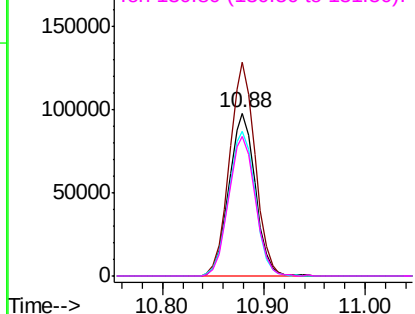
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

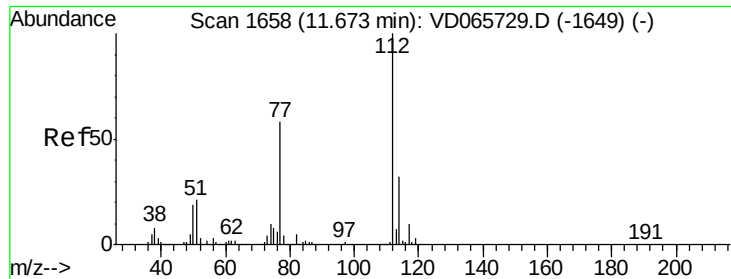


#64
Tetrachloroethene
Concen: 50.213 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Tgt Ion	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

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

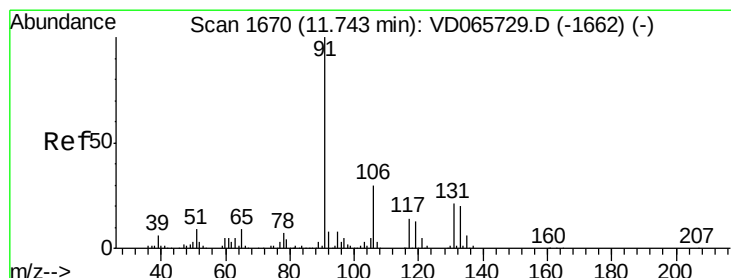
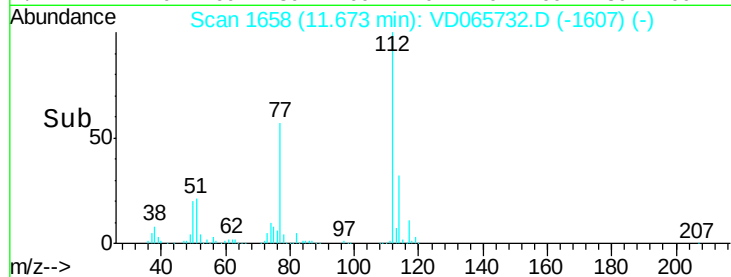
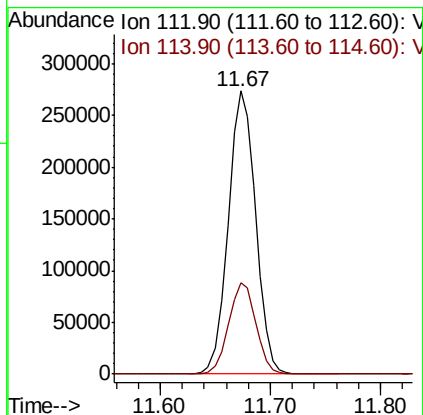
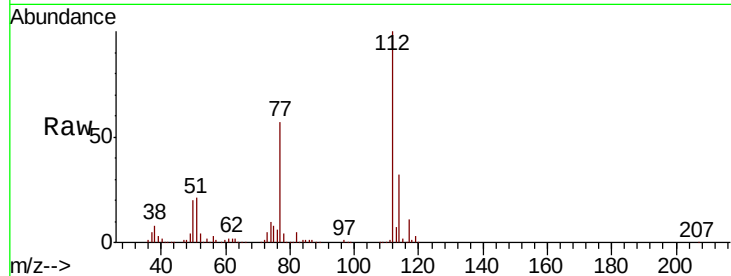




#65
Chlorobenzene
Concen: 49.909 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

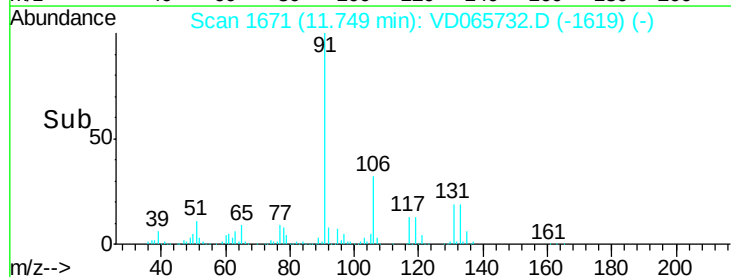
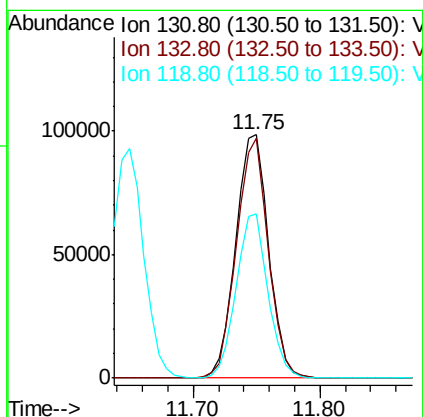
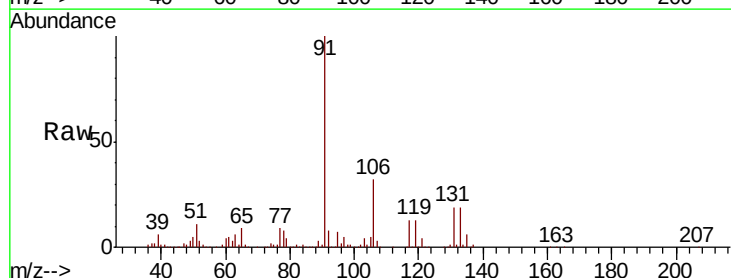
Instrument :
MSVOA_D
ClientSampleId :

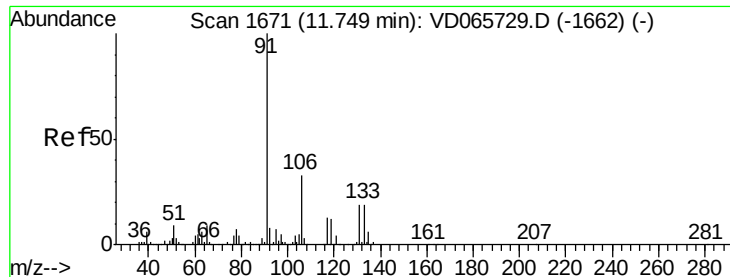
Tot Ion:112 Resp: 474199
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#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

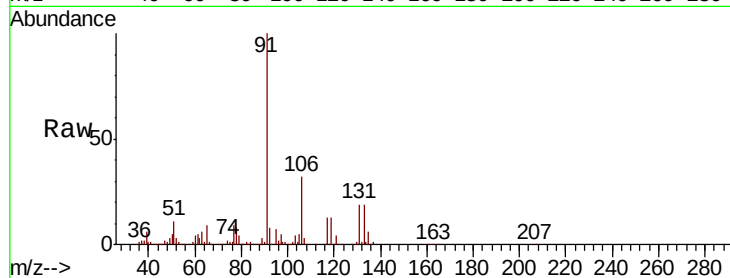
ClientSampleId :

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

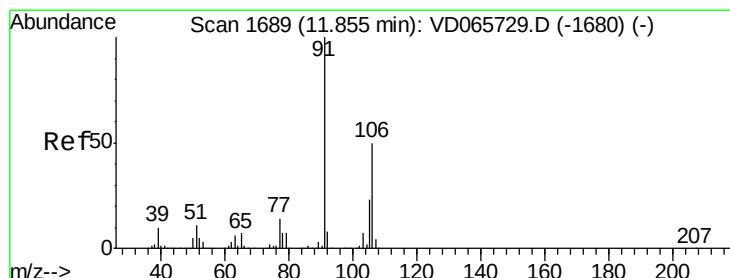
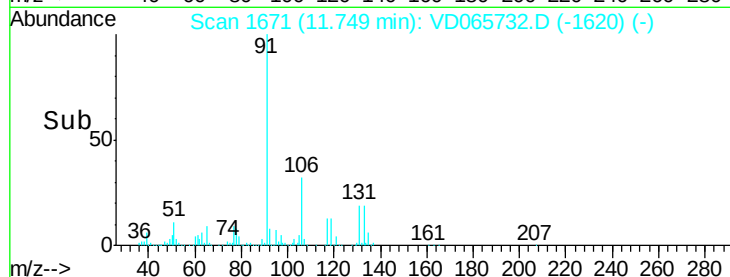
400000

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

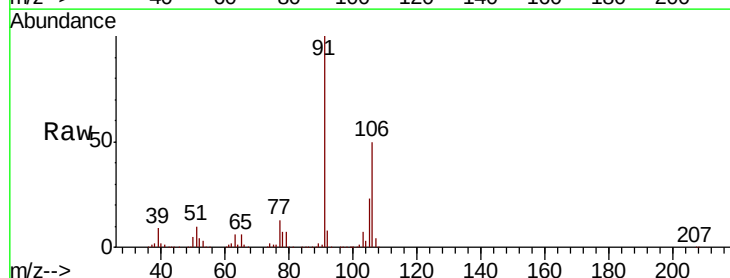
Acq: 13 May 2020 14:54

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

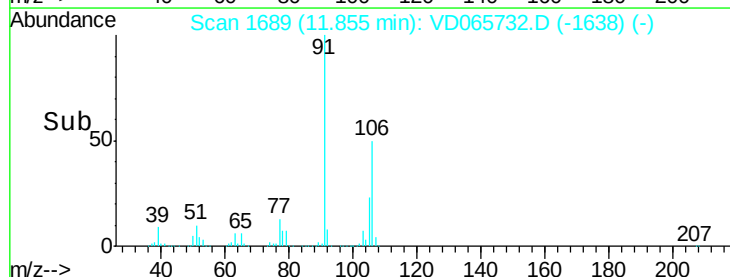
400000

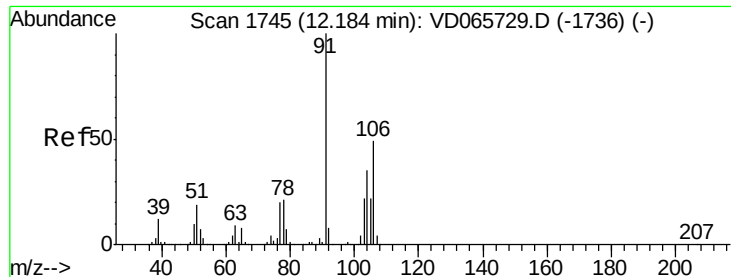
200000

0

11.80 11.85 11.90 12.00

Time-->

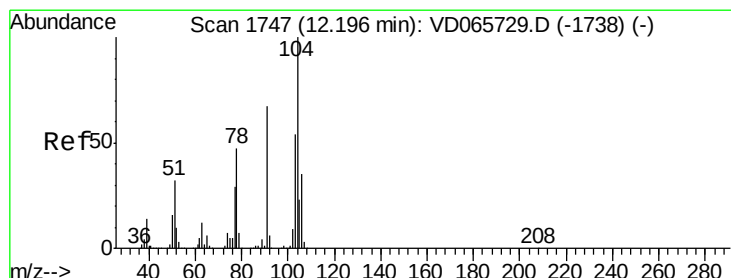
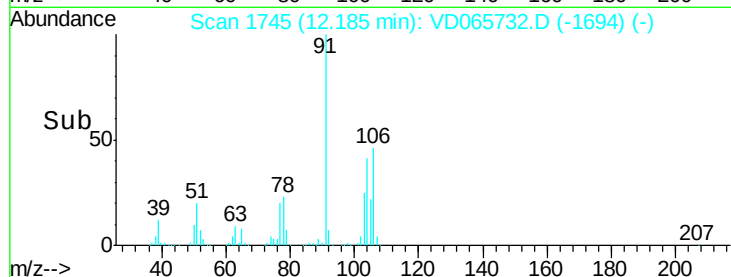
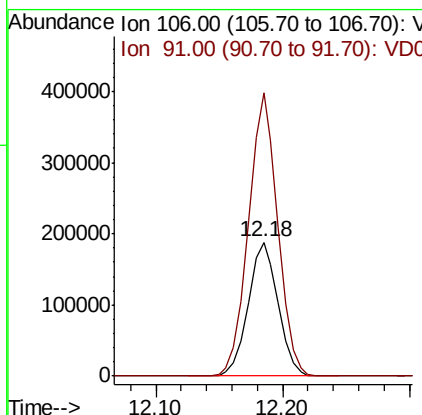
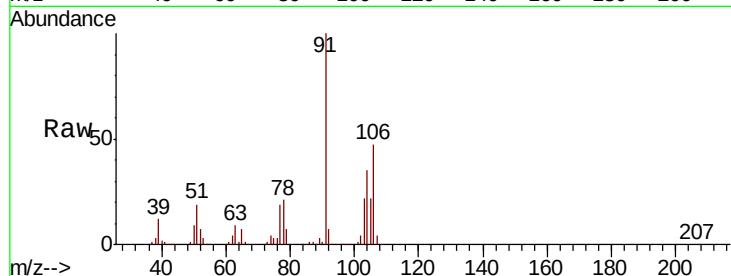




#69
o-Xylene
Concen: 50.994 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

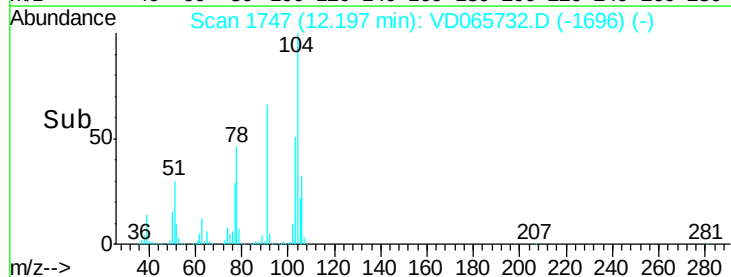
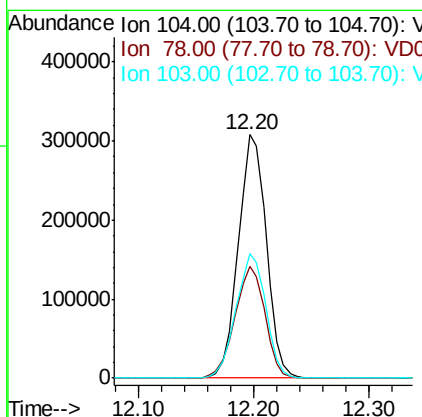
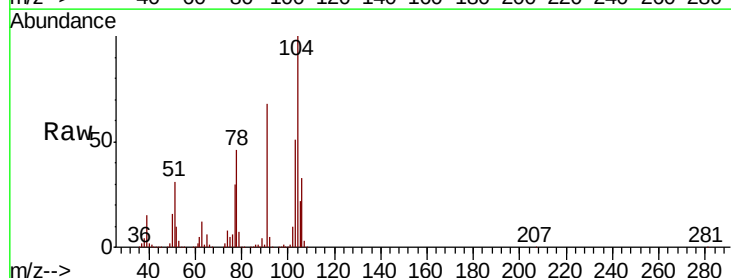
Instrument :
MSVOA_D
ClientSampled :

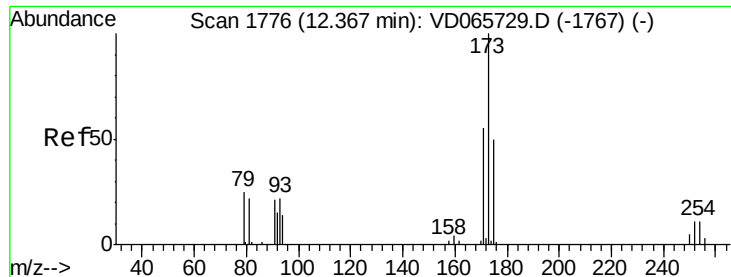
Tot Ion:106 Resp: 307161
Ion Ratio Lower Upper
106 100
91 207.3 101.8 305.4



#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

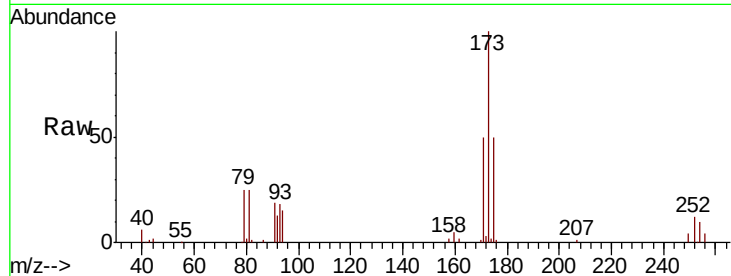




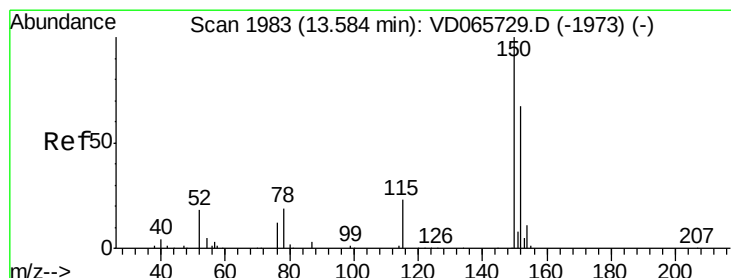
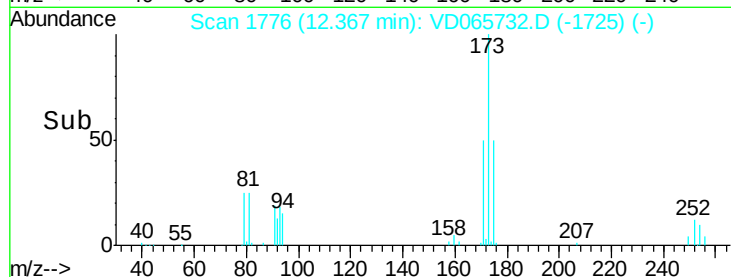
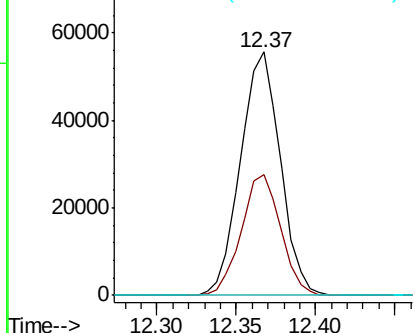
#71
Bromoform
Concen: 49.474 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Instrument :
MSVOA_D
ClientSampleId :

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

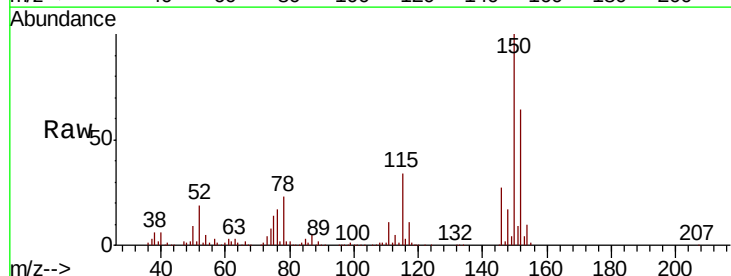


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

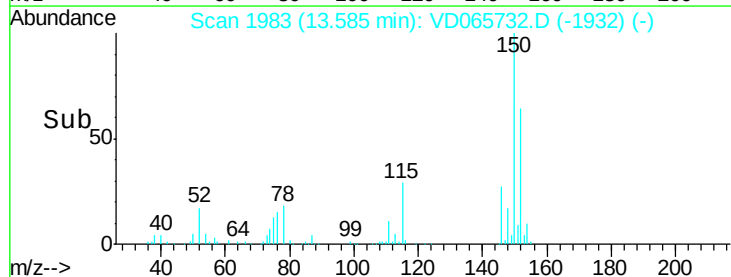
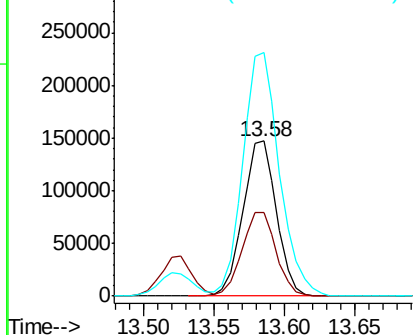


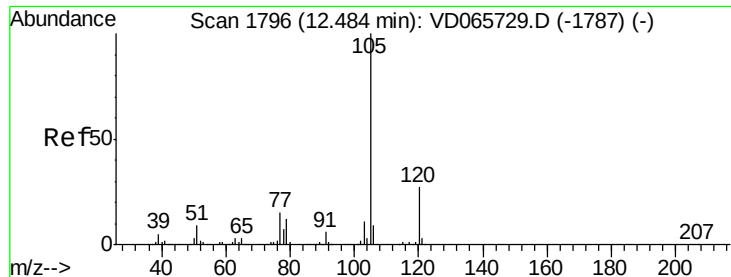
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

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

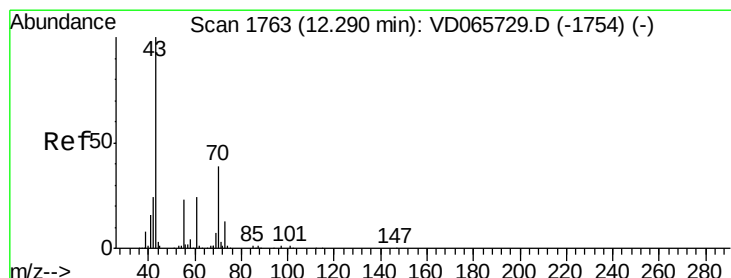
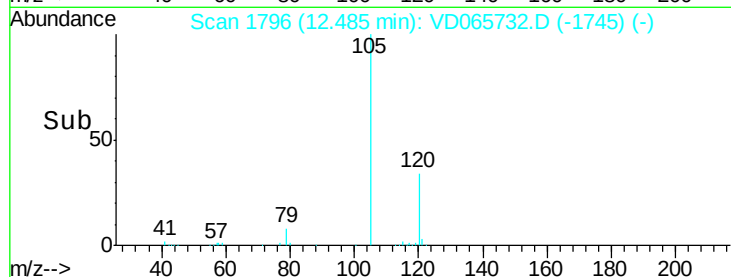
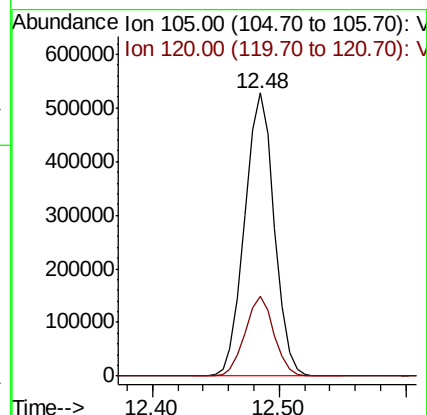
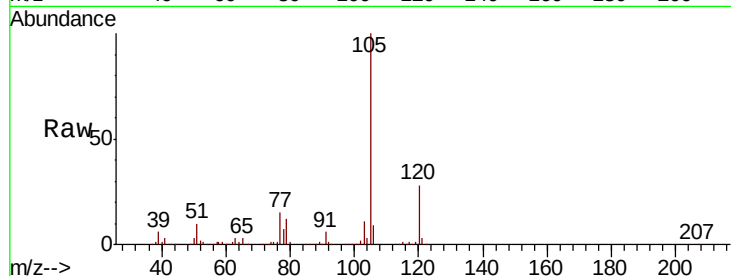
ClientSampleId :

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

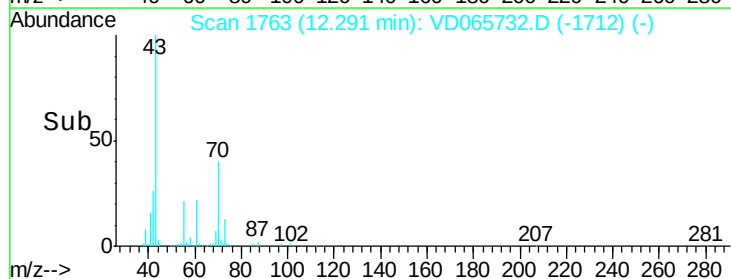
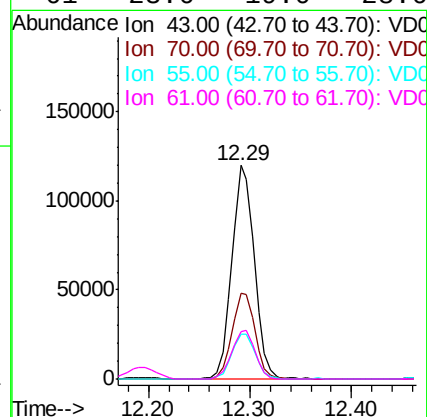
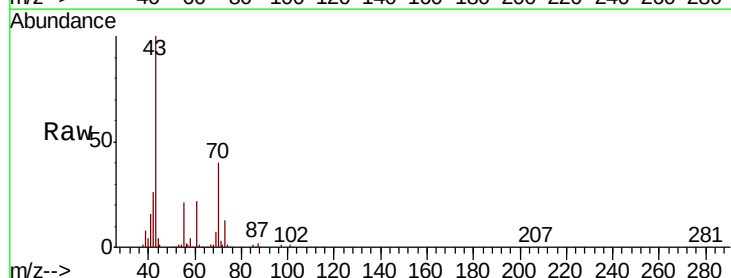
Ion Ratio Lower Upper

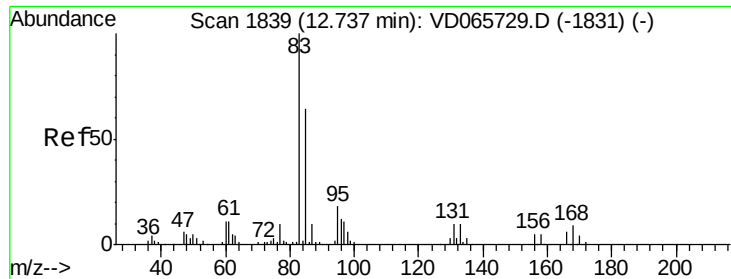
43 100

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

ClientSampled :

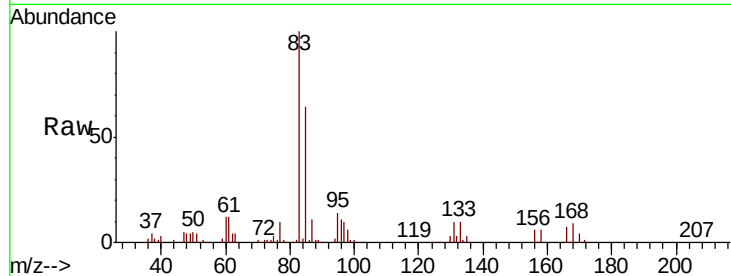
Tot Ion: 83 Resp: 128597

Ion Ratio Lower Upper

83 100

131 10.5 5.9 17.6

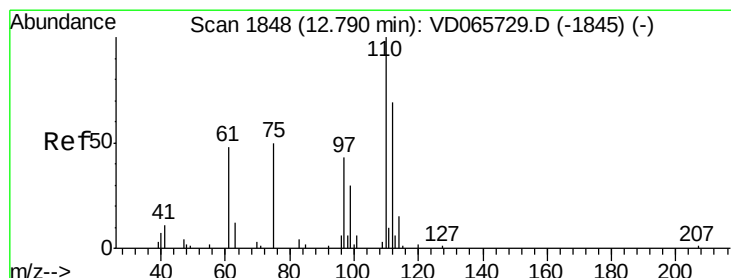
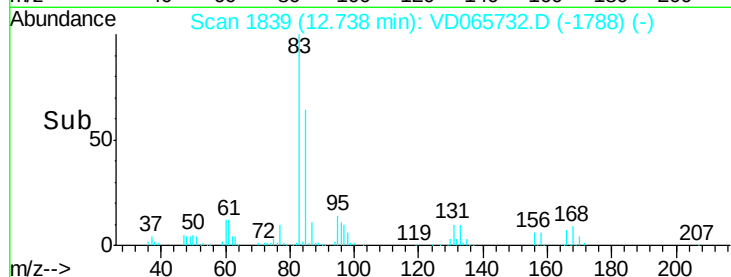
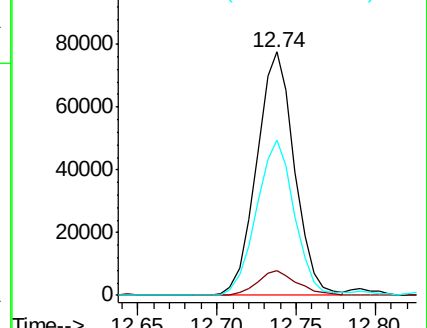
85 63.4 32.5 97.4



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: 92.747 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065732.D

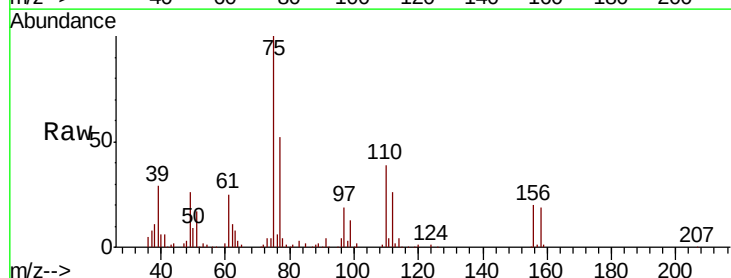
Acq: 13 May 2020 14:54

Tgt Ion: 75 Resp: 169059

Ion Ratio Lower Upper

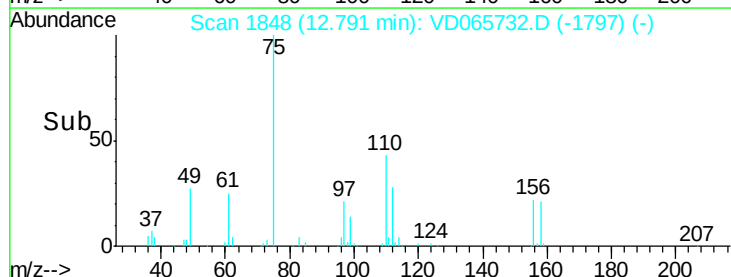
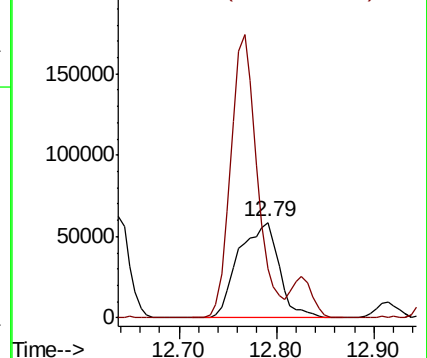
75 100

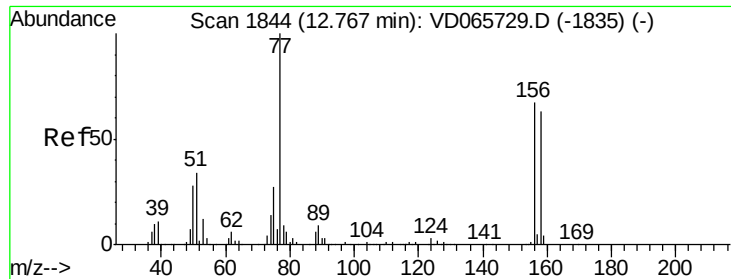
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

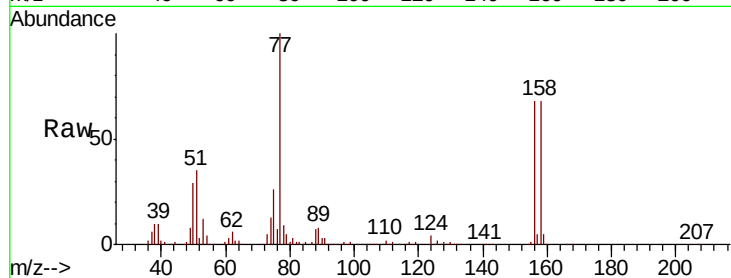




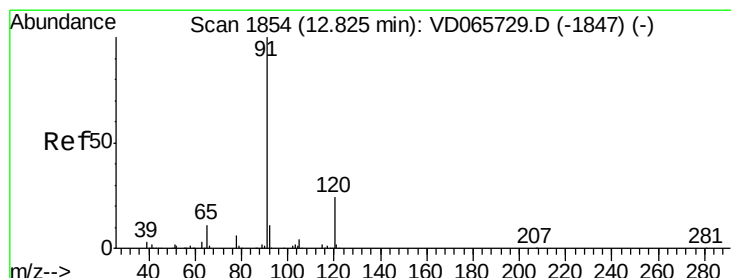
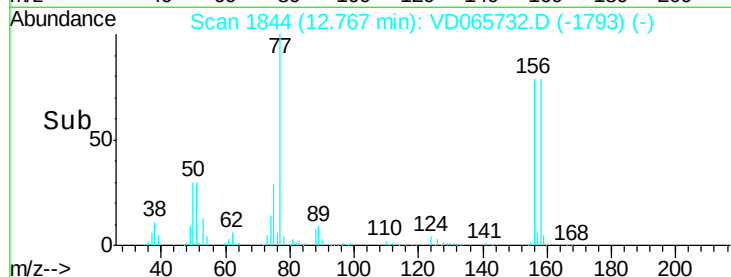
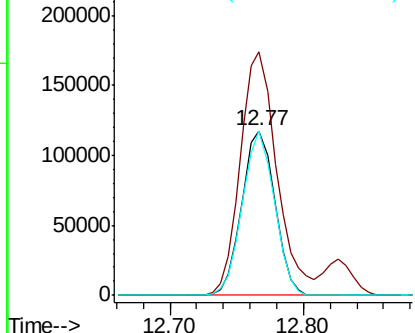
#77
Bromobenzene
Concen: 51.094 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Instrument :
MSVOA_D
ClientSampled :

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

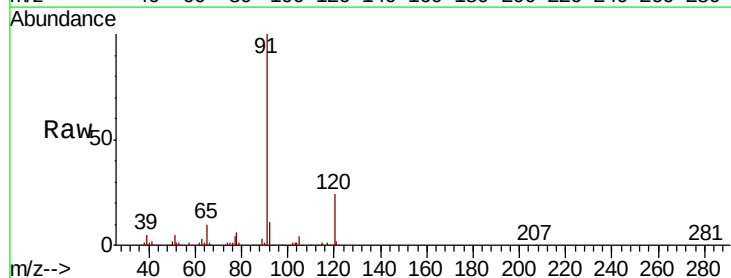


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

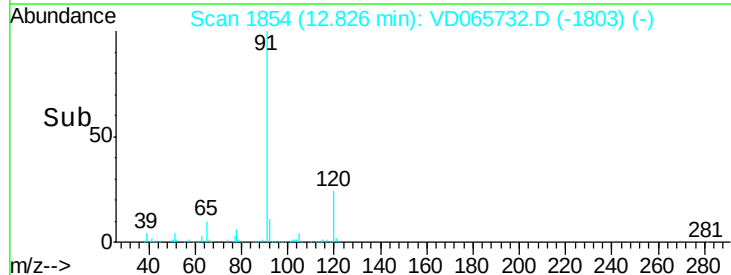
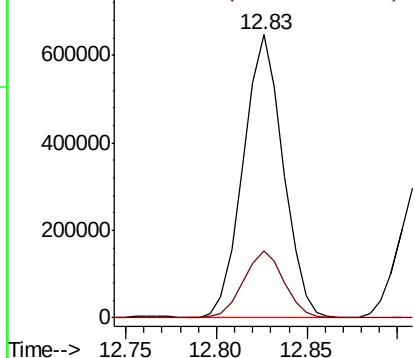


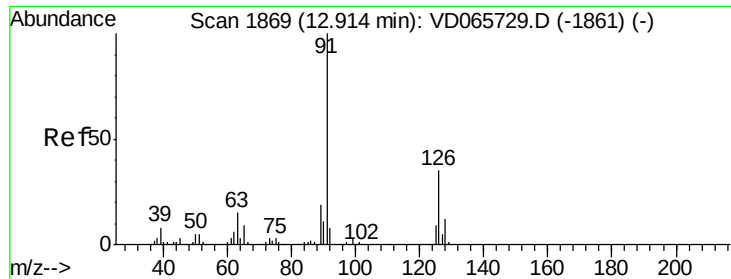
#78
n-propylbenzene
Concen: 51.666 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

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

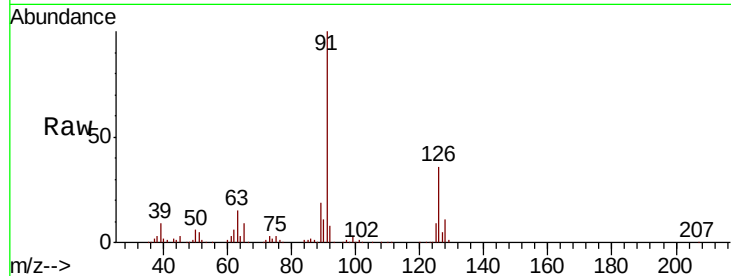




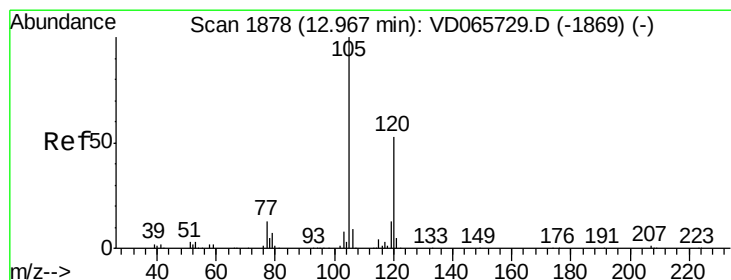
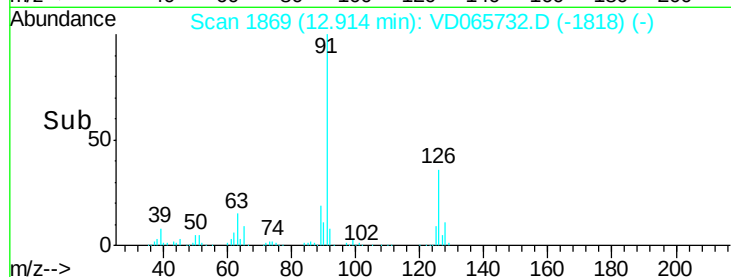
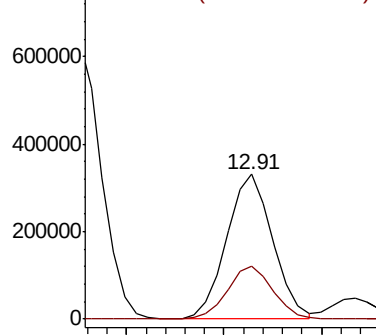
#79
2-Chlorotoluene
Concen: 51.065 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 541193
Ion Ratio Lower Upper
91 100
126 36.0 18.1 54.1

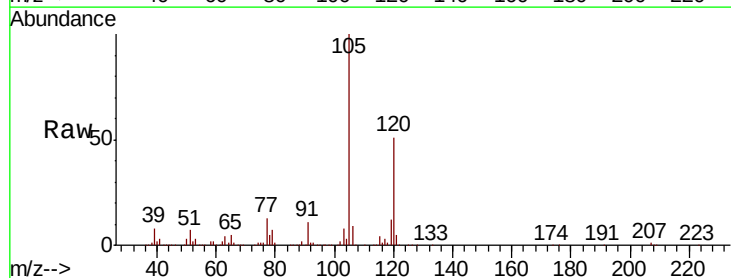


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.90 (125.60 to 126.60): V

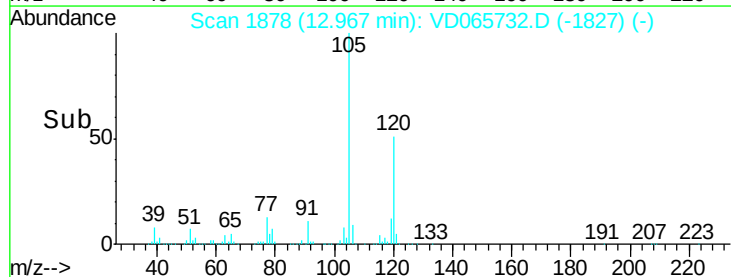
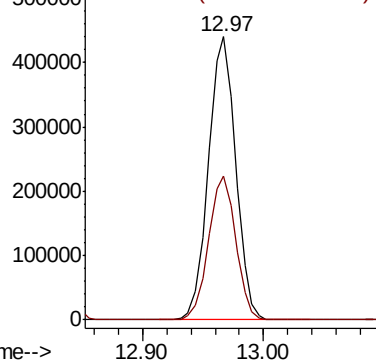


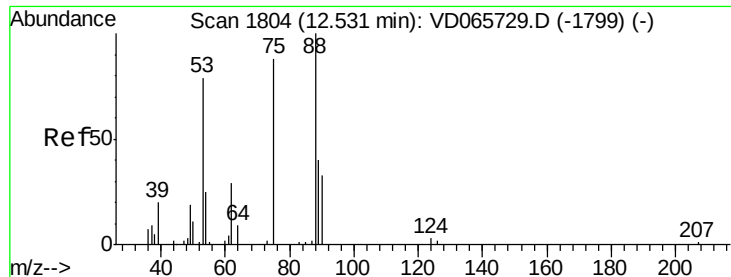
#80
1,3,5-Trimethylbenzene
Concen: 51.306 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

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): V
Ion 120.00 (119.70 to 120.70): V

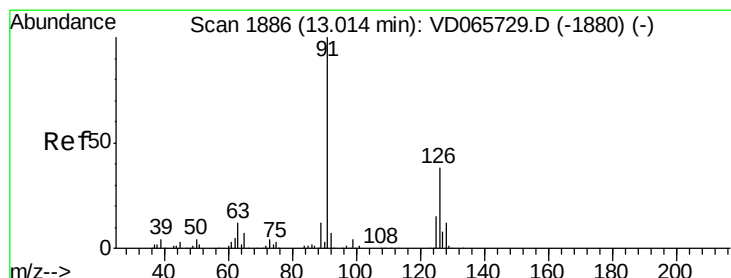
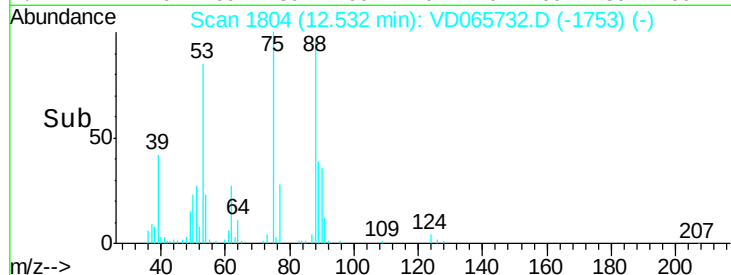
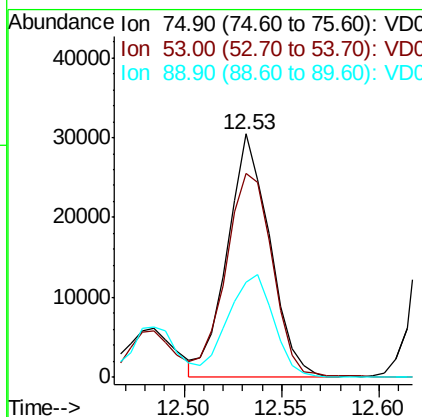
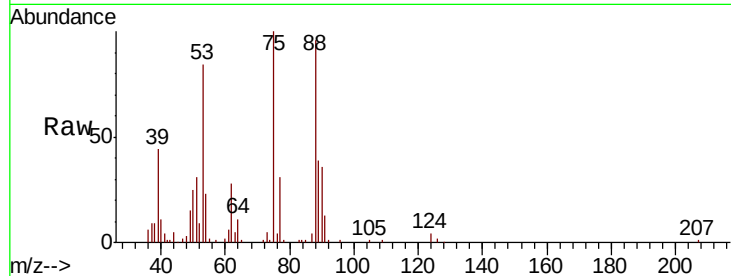




#81
trans-1,4-Dichloro-2-butene
Concen: 49.256 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

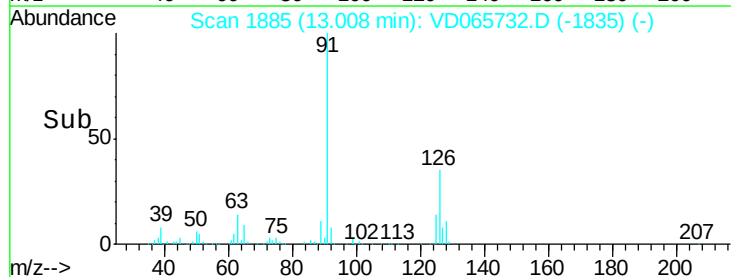
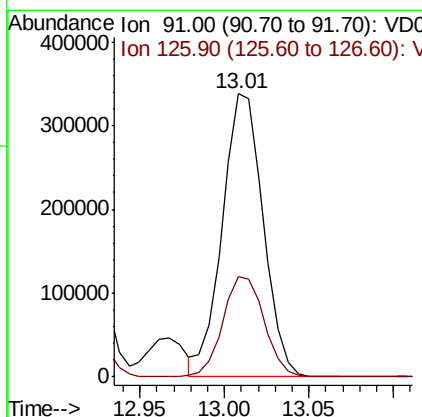
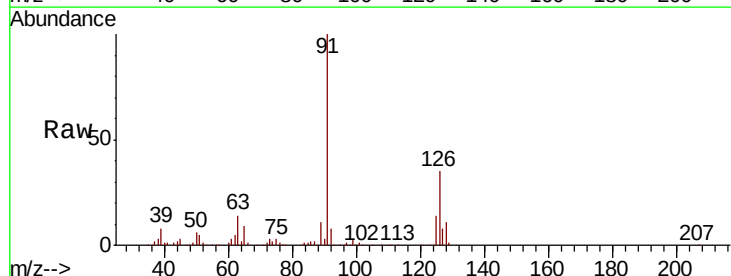
Instrument :
MSVOA_D
ClientSampleId :

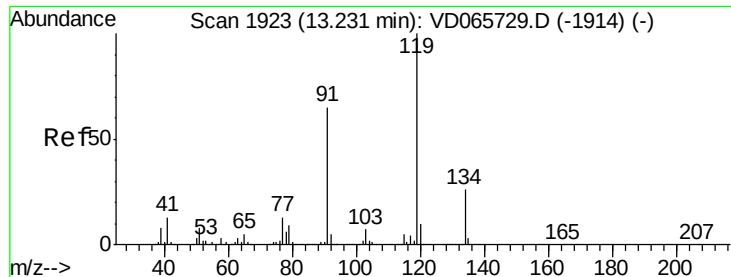
Tot Ion: 75 Resp: 45765
Ion Ratio Lower Upper
75 100
53 93.0 72.6 109.0
89 45.5 37.0 55.4



#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

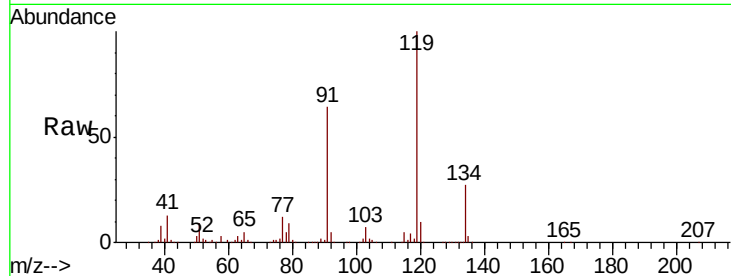




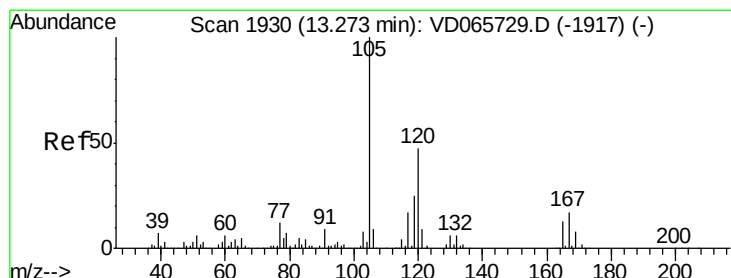
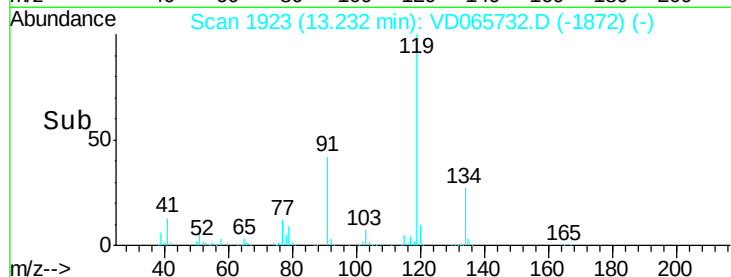
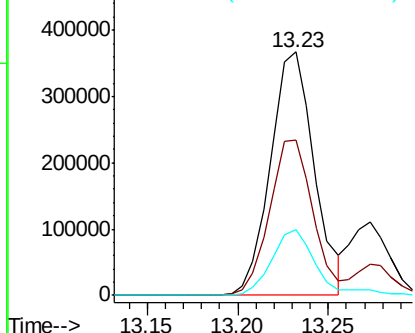
#83
tert-Butylbenzene
Concen: 51.803 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

Instrument :
MSVOA_D
ClientSampleId :

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

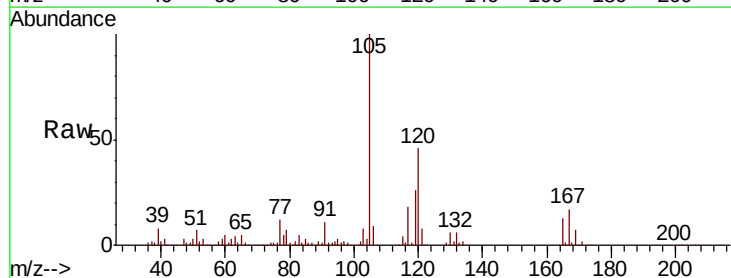


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

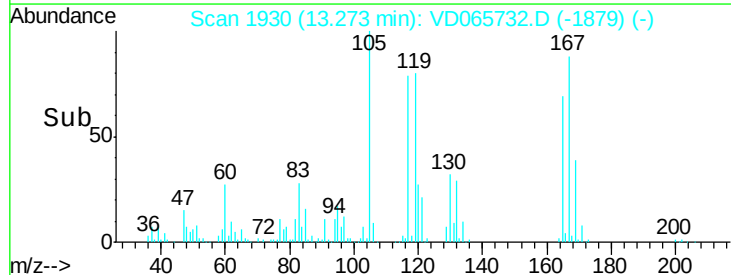
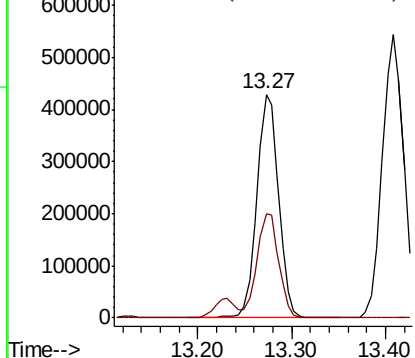


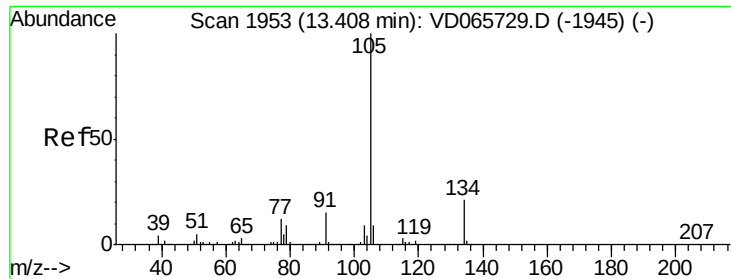
#84
1,2,4-Trimethylbenzene
Concen: 51.385 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065732.D
Acq: 13 May 2020 14:54

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



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#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

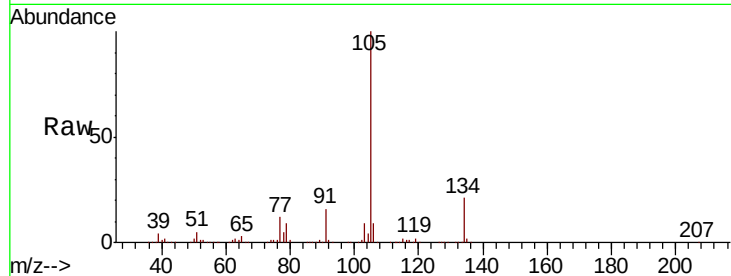
ClientSampleId :

Tot Ion:105 Resp: 856623

Ion Ratio Lower Upper

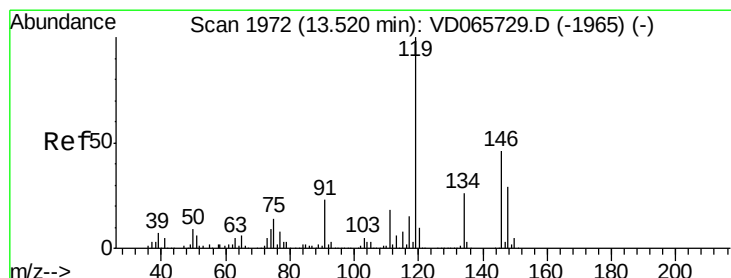
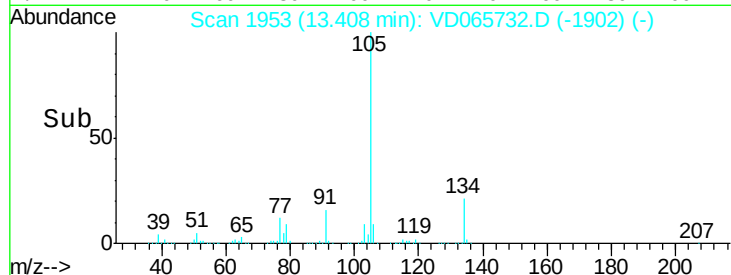
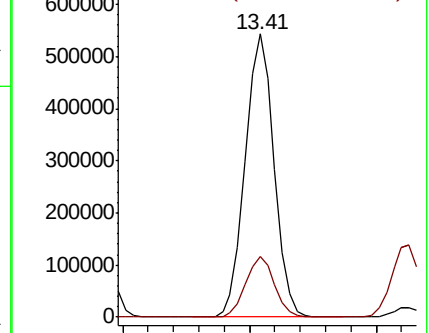
105 100

134 21.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

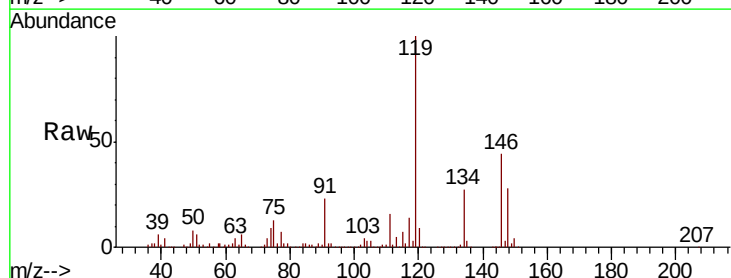
Tgt Ion:119 Resp: 788743

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

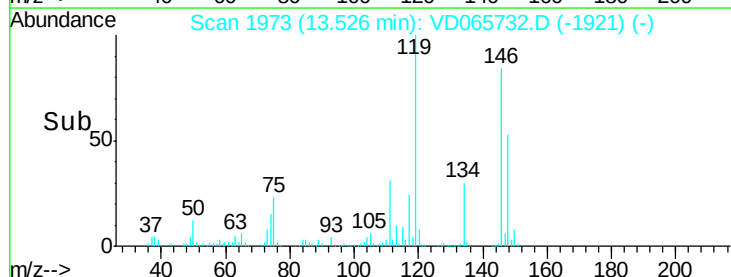
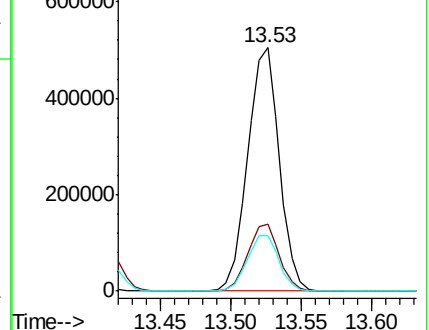
91 23.0 11.7 35.1

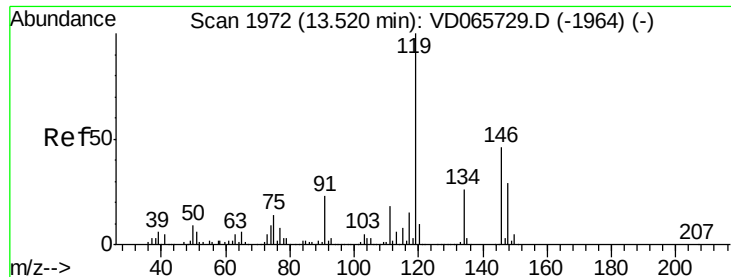


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

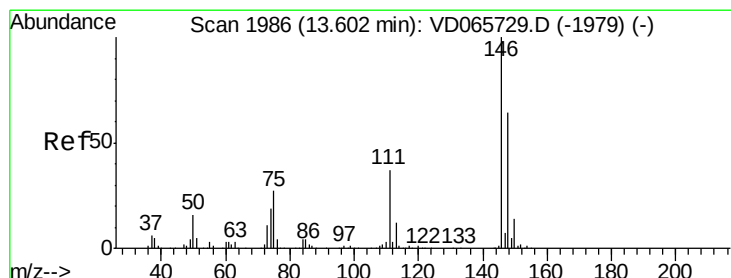
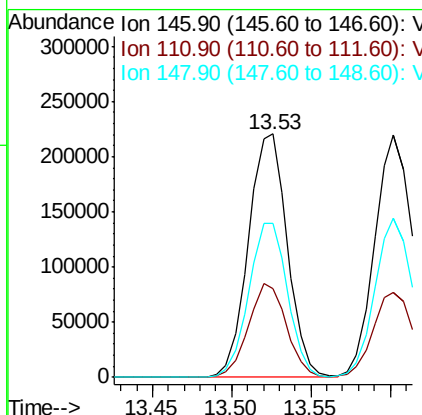
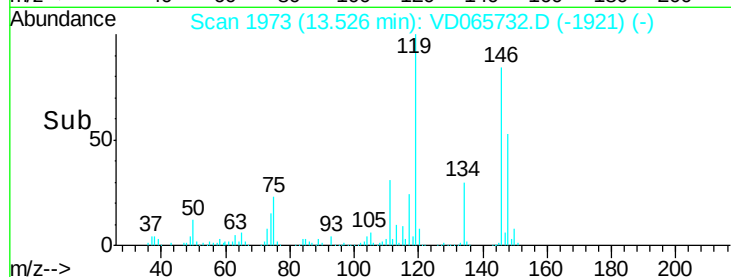
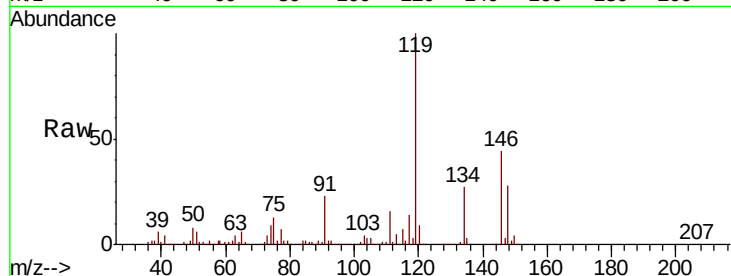




#87
 1,3-Dichlorobenzene
 Concen: 50.826 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

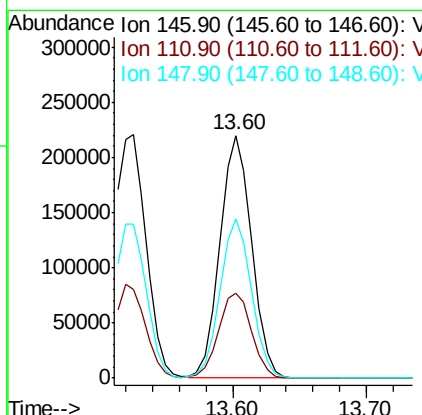
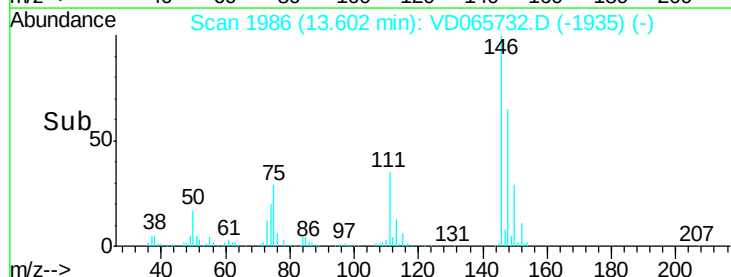
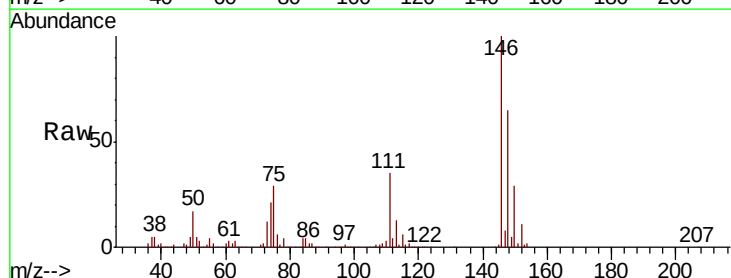
Instrument :
 MSVOA_D
 ClientSampled :

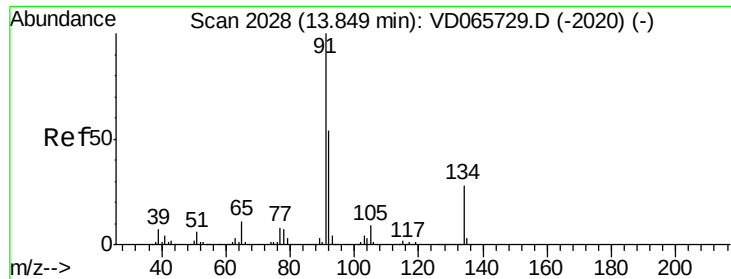
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	63.4	31.9	95.5



#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	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 :

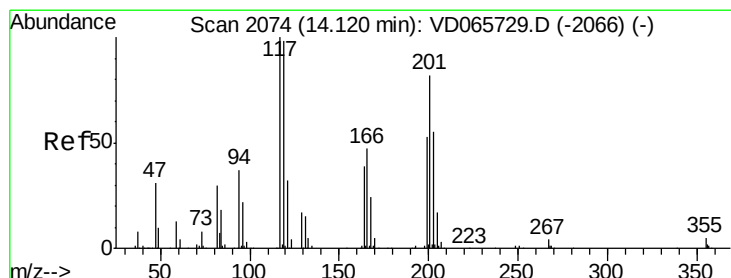
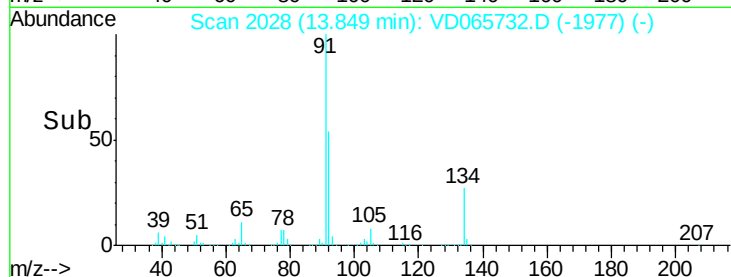
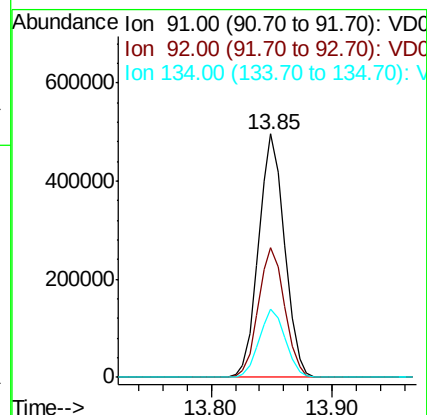
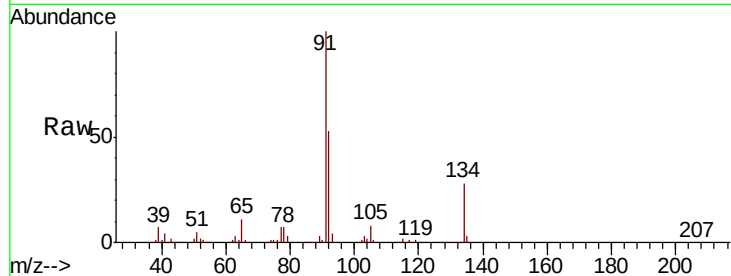
Tot Ion: 91 Resp: 742481

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

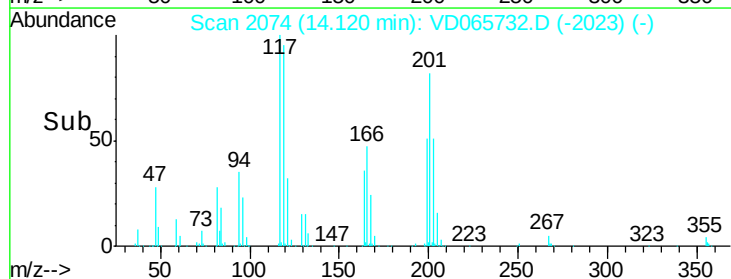
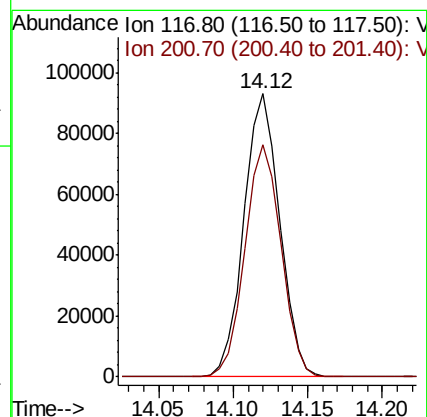
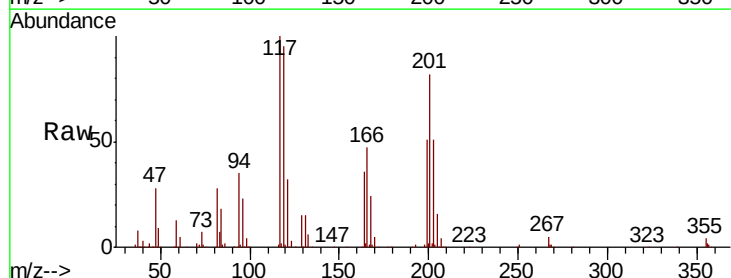
Acq: 13 May 2020 14:54

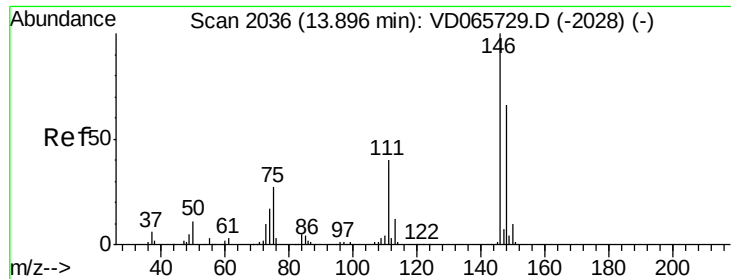
Tgt Ion: 117 Resp: 154873

Ion Ratio Lower Upper

117 100

201 82.7 41.8 125.4

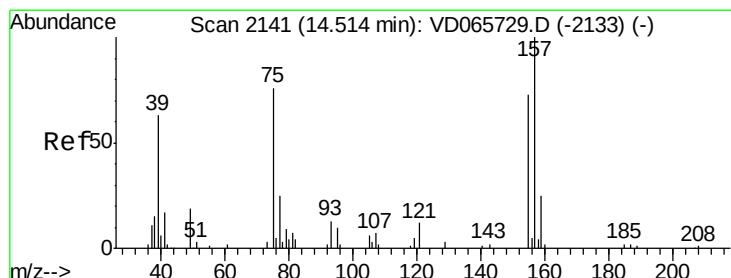
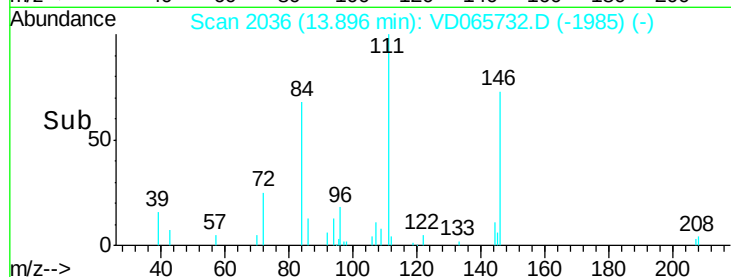
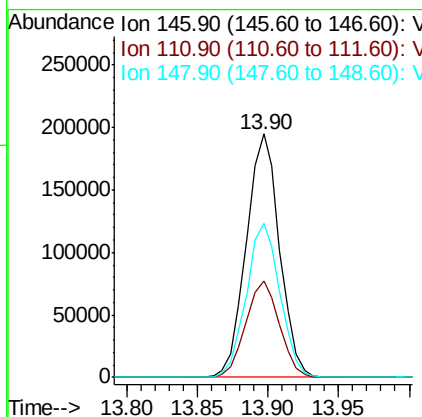
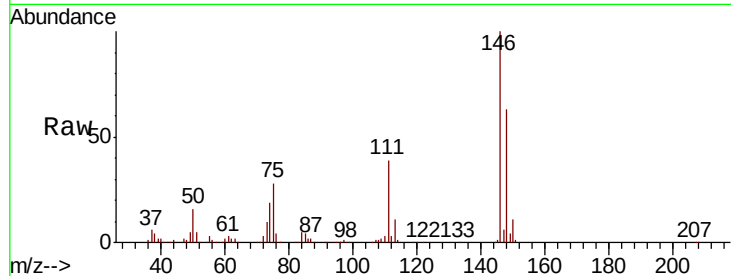




#91
 1,2-Dichlorobenzene
 Concen: 50.293 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

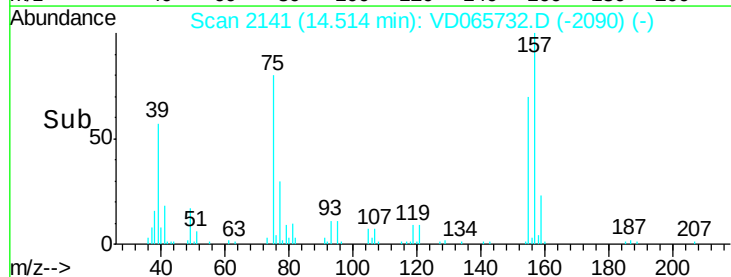
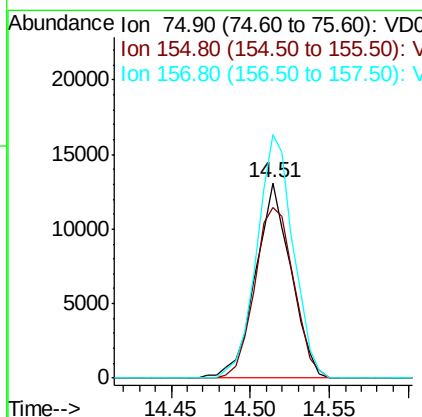
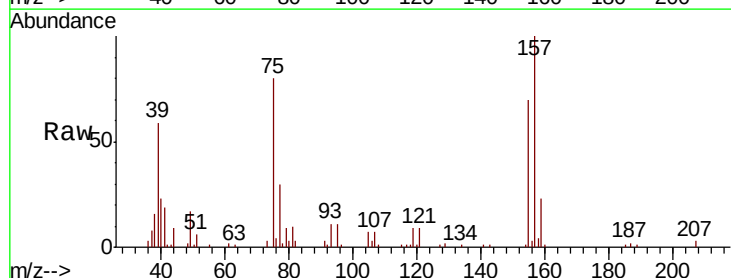
Instrument :
 MSVOA_D
 ClientSampleId :

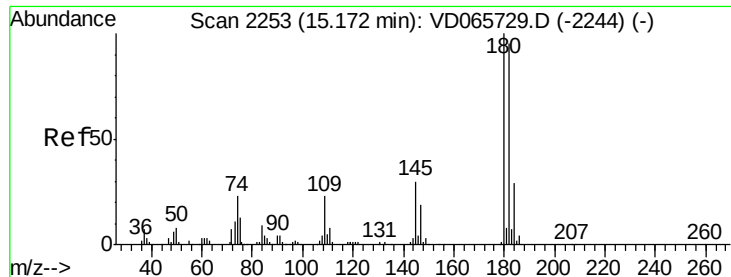
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.9	32.4	97.2



#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	Ratio	Lower	Upper
75	100		
155	95.9	48.4	145.0
157	126.9	62.6	187.8

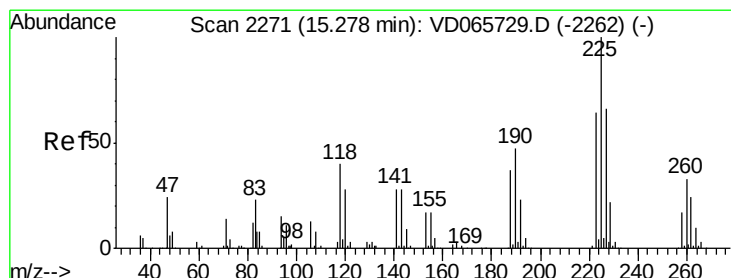
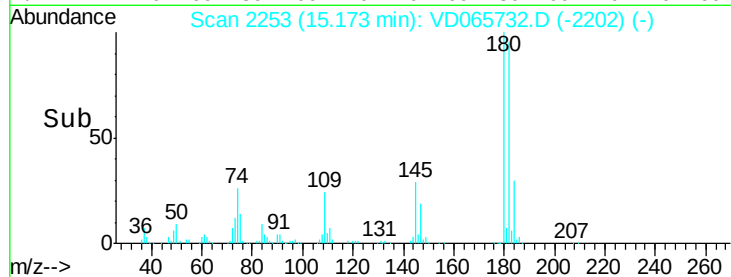
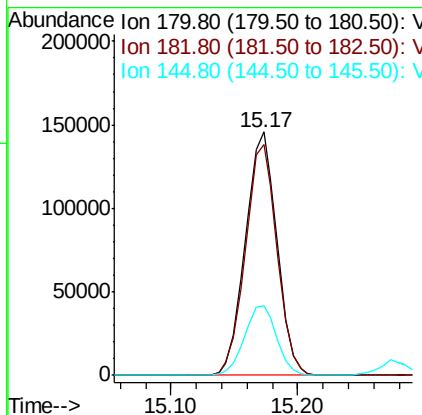
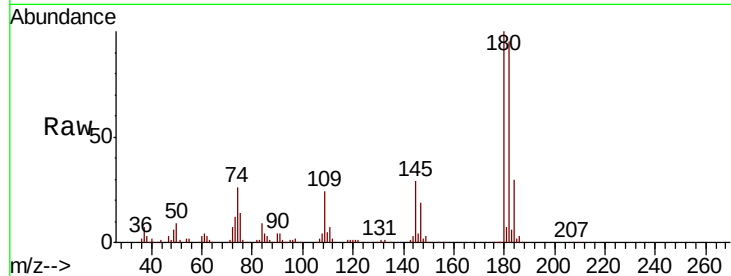




#93
 1,2,4-Trichlorobenzene
 Concen: 51.694 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065732.D
 Acq: 13 May 2020 14:54

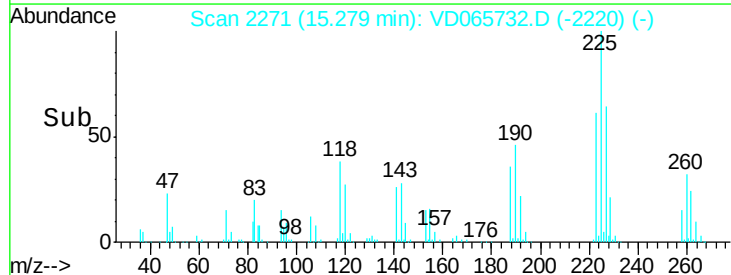
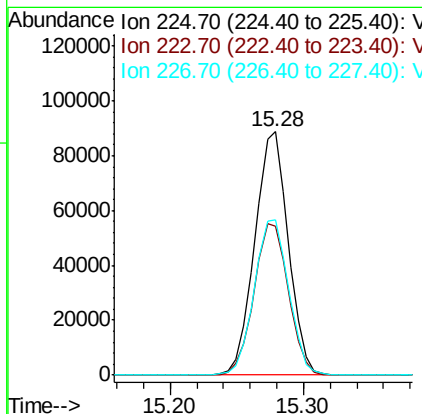
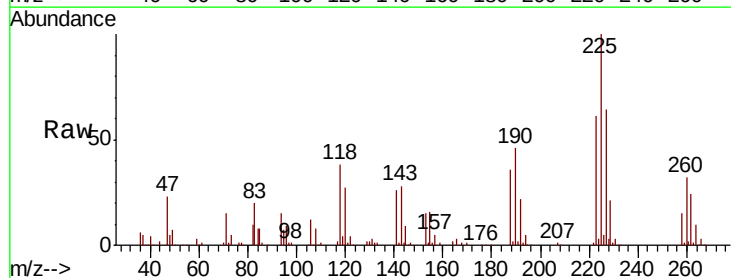
Instrument :
 MSVOA_D
 ClientSampleId :

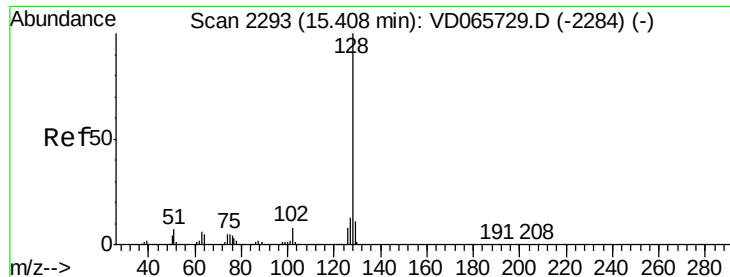
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.0	141.0
145	29.3	14.5	43.6



#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

ClientSampled :

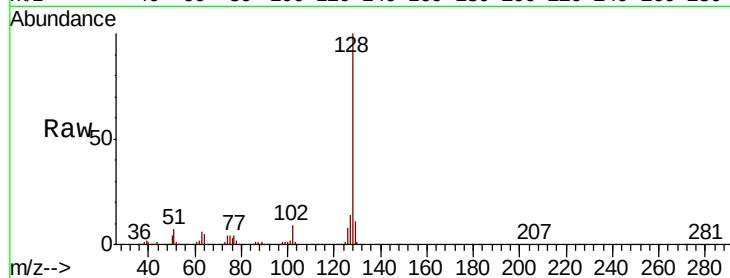
Tot Ion:128 Resp: 407049

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

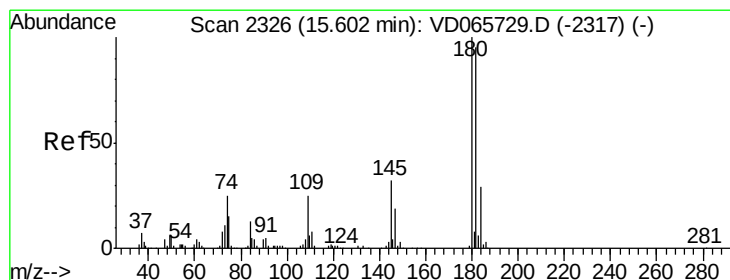
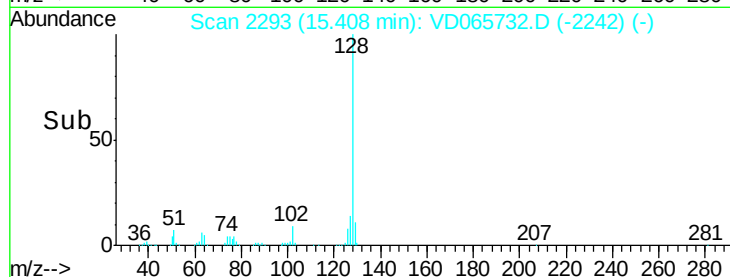
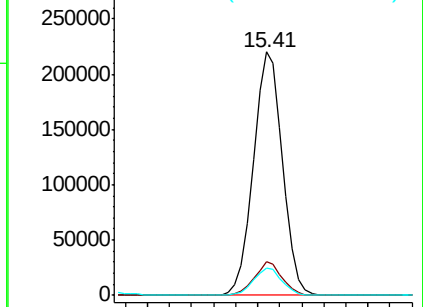
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

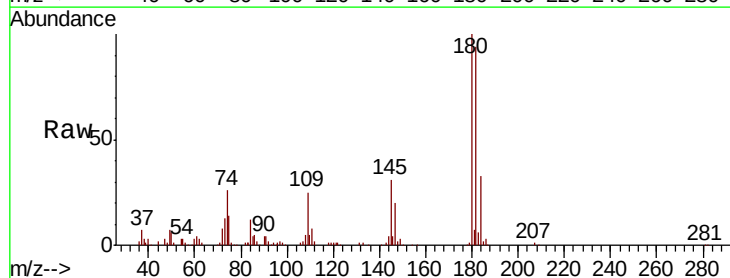
Tgt Ion:180 Resp: 212211

Ion Ratio Lower Upper

180 100

182 94.6 47.5 142.6

145 31.2 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

