

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065102.D
 Acq On : 07 Feb 2020 11:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:05:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	478248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	688118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	617750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	300925	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	213149	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	7.92	113	212797	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	
50) Toluene-d8	10.34	98	838825	54.89	ug/l	0.00
Spiked Amount			Recovery	=	109.78%	
62) 4-Bromofluorobenzene	12.64	95	261700	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	205526	51.642	ug/l	100
3) Chloromethane	2.21	50	250533	53.477	ug/l	96
4) Vinyl Chloride	2.35	62	272302	54.959	ug/l	98
5) Bromomethane	2.77	94	163959	51.037	ug/l	99
6) Chloroethane	2.93	64	165897	53.979	ug/l	96
7) Trichlorofluoromethane	3.27	101	388569	53.890	ug/l	98
8) Diethyl Ether	3.71	74	101420	48.997	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	223230	50.643	ug/l	98
10) Methyl Iodide	4.30	142	247027	49.100	ug/l	98
11) Tert butyl alcohol	5.25	59	55508	223.509	ug/l	99
12) 1,1-Dichloroethene	4.06	96	208145	49.305	ug/l	98
13) Acrolein	3.92	56	76715	251.145	ug/l	95
14) Allyl chloride	4.71	41	348025	49.603	ug/l	99
15) Acrylonitrile	5.43	53	228478	252.473	ug/l	100
16) Acetone	4.17	43	256029	251.936	ug/l	100
17) Carbon Disulfide	4.40	76	694245	51.219	ug/l	97
18) Methyl Acetate	4.72	43	105109	49.504	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	456995	48.953	ug/l	98
20) Methylene Chloride	4.96	84	228653	51.193	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	241017	50.462	ug/l	96
22) Diisopropyl ether	6.37	45	680741	51.438	ug/l	98
23) Vinyl Acetate	6.31	43	1967832	266.771	ug/l	98
24) 1,1-Dichloroethane	6.27	63	405452	50.615	ug/l	98
25) 2-Butanone	7.23	43	313214	258.378	ug/l	97
26) 2,2-Dichloropropane	7.21	77	371300	51.713	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	254756	50.207	ug/l	100
28) Bromochloromethane	7.55	49	163708	53.913	ug/l	98
29) Tetrahydrofuran	7.57	42	189779	258.879	ug/l	97
30) Chloroform	7.71	83	410765	51.500	ug/l	94
31) Cyclohexane	7.98	56	391292	48.391	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	383004	51.549	ug/l	100
36) 1,1-Dichloropropene	8.11	75	344798	53.887	ug/l	99
37) Ethyl Acetate	7.30	43	135185	51.716	ug/l	99
38) Carbon Tetrachloride	8.10	117	348170	53.278	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	411089	52.051	ug/l	97
40) Benzene	8.36	78	928164	52.530	ug/l	100
41) Methacrylonitrile	7.53	41	85754	59.547	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	259831	51.609	ug/l	99
43) Isopropyl Acetate	8.46	43	255950	51.186	ug/l	100
44) Trichloroethene	9.12	130	254908	50.261	ug/l	99
45) 1,2-Dichloropropane	9.39	63	224974	53.105	ug/l	98
46) Dibromomethane	9.48	93	117571	52.814	ug/l	97
47) Bromodichloromethane	9.67	83	311951	53.183	ug/l	98
48) Methyl methacrylate	9.46	41	122426	50.880	ug/l	98
49) 1,4-Dioxane	9.47	88	27119	1028.531	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	653036	265.324	ug/l	100
52) Toluene	10.41	92	602911	53.463	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	303104	53.074	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	361796	52.969	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	158308	51.846	ug/l	98
56) Ethyl methacrylate	10.67	69	200777	51.968	ug/l	98
57) 1,3-Dichloropropane	10.96	76	280680	52.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	312493	250.368	ug/l	98
59) 2-Hexanone	10.99	43	480025	275.342	ug/l	100
60) Dibromochloromethane	11.15	129	209981	53.093	ug/l	99
61) 1,2-Dibromoethane	11.26	107	155646	52.168	ug/l	99
64) Tetrachloroethene	10.88	164	217585	49.018	ug/l	97
65) Chlorobenzene	11.68	112	613990	51.387	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	228784	51.880	ug/l	98
67) Ethyl Benzene	11.76	91	1139485	52.492	ug/l	99
68) m/p-Xylenes	11.86	106	882130	106.470	ug/l	99
69) o-Xylene	12.19	106	385858	51.717	ug/l	98
70) Styrene	12.20	104	696123	53.683	ug/l	99
71) Bromoform	12.37	173	122242	51.501	ug/l #	98
73) Isopropylbenzene	12.49	105	1064224	51.525	ug/l	100
74) N-amyl acetate	12.30	43	230972	51.449	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	170355	52.406	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	227894	100.027	ug/l #	100
77) Bromobenzene	12.77	156	248516	49.940	ug/l	99
78) n-propylbenzene	12.83	91	1274715	52.700	ug/l	99
79) 2-Chlorotoluene	12.92	91	684307	50.754	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	867543	51.342	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	58701	51.528	ug/l	97
82) 4-Chlorotoluene	13.01	91	722875	51.050	ug/l	100
83) tert-Butylbenzene	13.24	119	742296	50.919	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	870163	51.871	ug/l	99
85) sec-Butylbenzene	13.41	105	1030087	51.736	ug/l	100
86) p-Isopropyltoluene	13.53	119	967995	52.326	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	484124	51.960	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	464990	50.143	ug/l	100
89) n-Butylbenzene	13.85	91	893878	52.351	ug/l	99
90) Hexachloroethane	14.13	117	180754	51.600	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	399842	50.102	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25946	48.895	ug/l	93

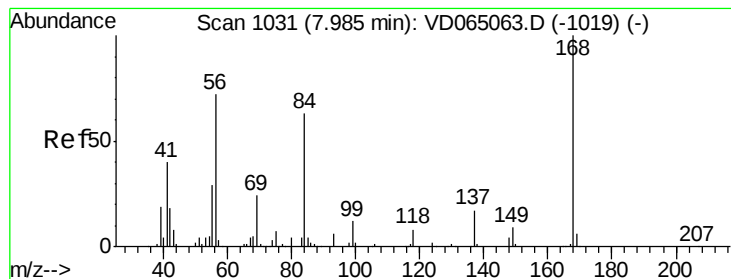
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	271306	47.565	ug/l	100
94) Hexachlorobutadiene	15.28	225	169070	48.206	ug/l	99
95) Naphthalene	15.42	128	452556	47.735	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	236981	48.572	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

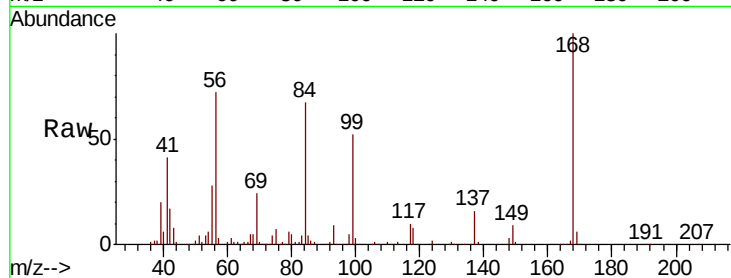
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 478248

Ion Ratio Lower Upper

168 100

99 52.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

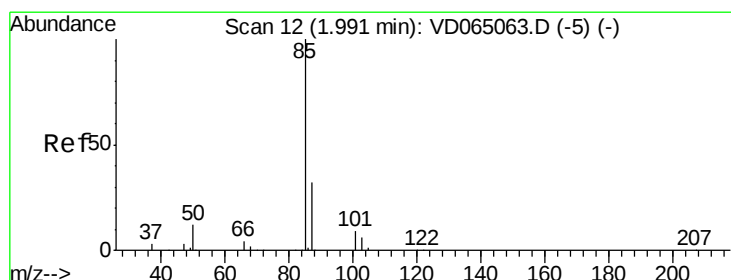
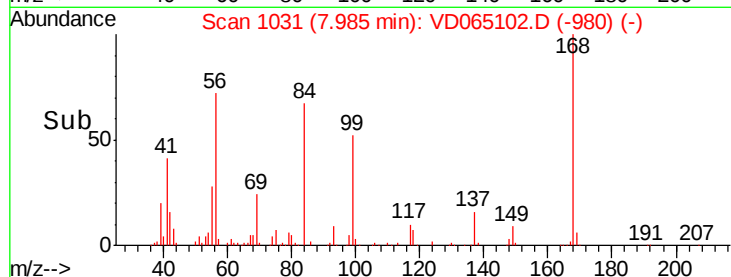
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.642 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065102.D

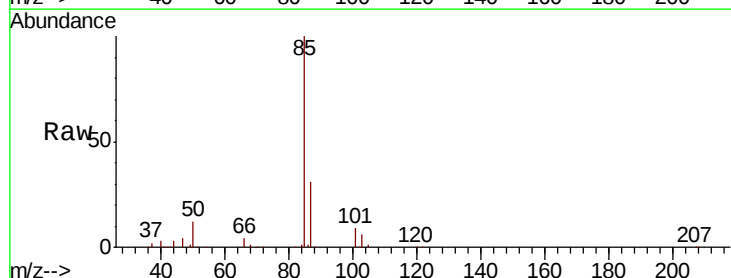
Acq: 07 Feb 2020 11:15

Tgt Ion: 85 Resp: 205526

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

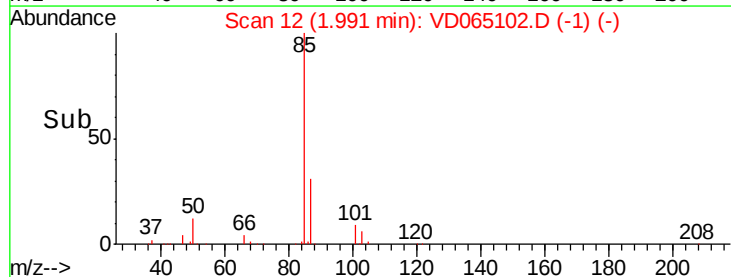
100000

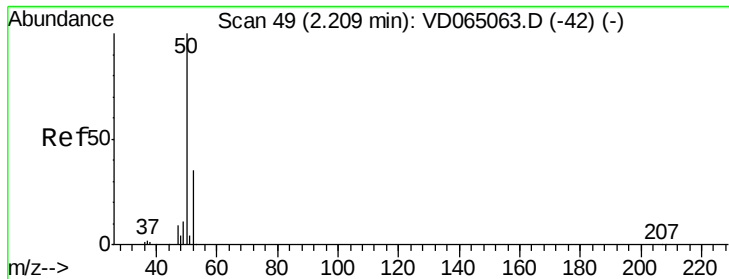
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 53.477 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

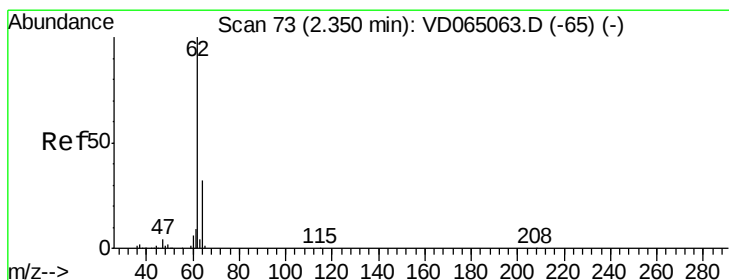
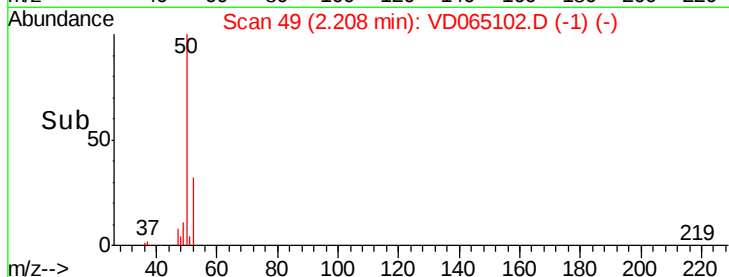
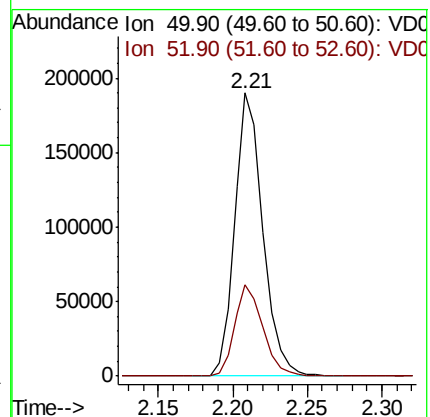
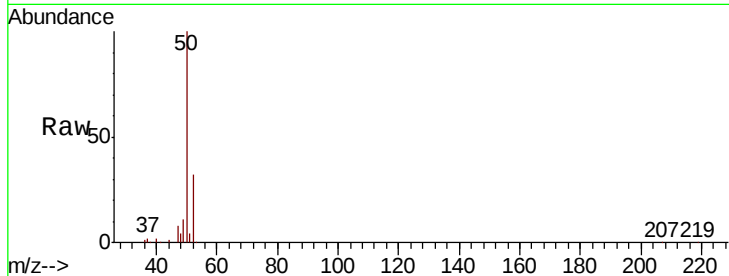
ClientSampleId :

Tot Ion: 50 Resp: 250533

Ion Ratio Lower Upper

50 100

52 32.5 27.8 41.6



#4

Vinyl Chloride

Concen: 54.959 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065102.D

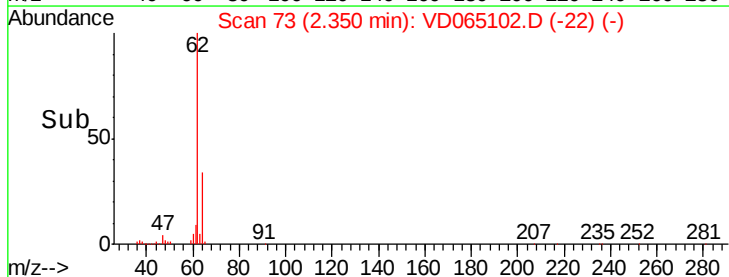
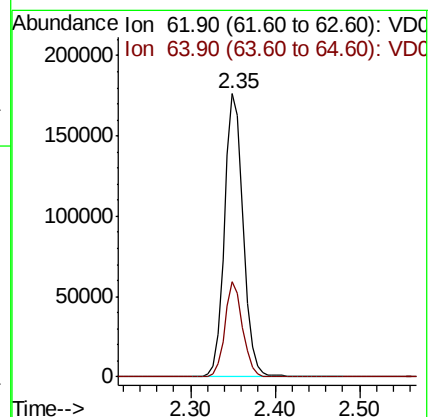
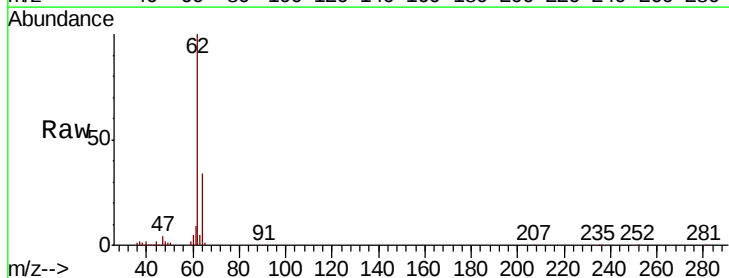
Acq: 07 Feb 2020 11:15

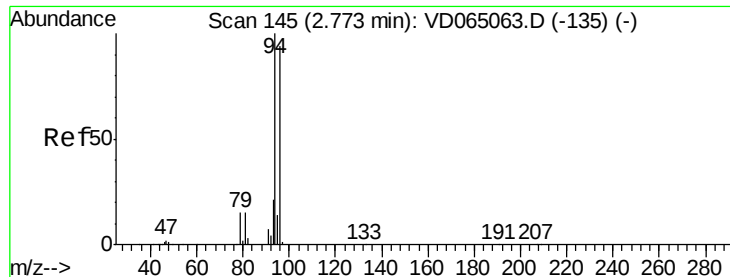
Tgt Ion: 62 Resp: 272302

Ion Ratio Lower Upper

62 100

64 33.7 25.9 38.9





#5

Bromomethane

Concen: 51.037 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

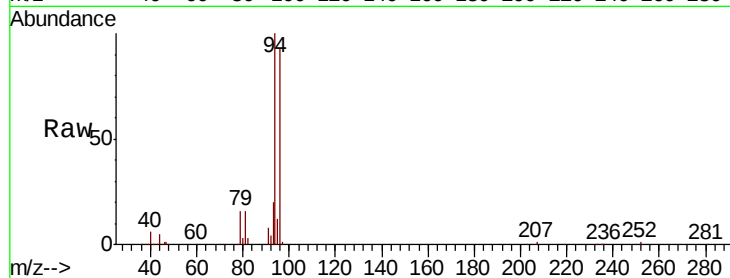
ClientSampleId :

Tot Ion: 94 Resp: 163959

Ion Ratio Lower Upper

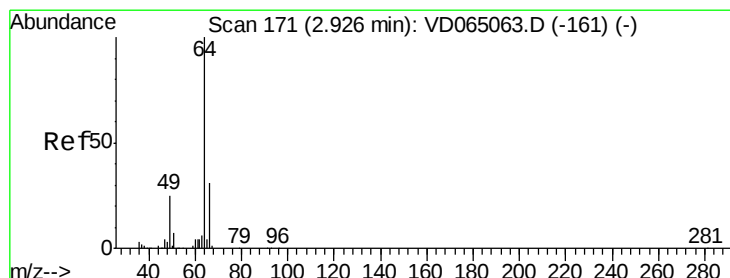
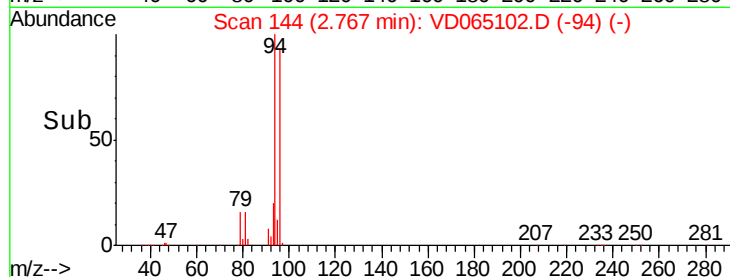
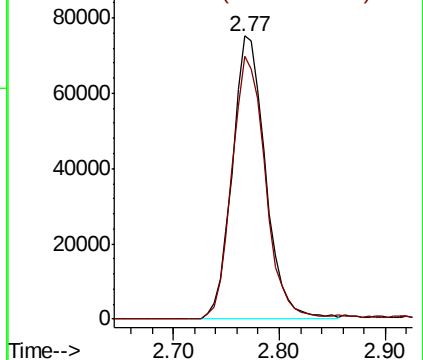
94 100

96 93.1 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.979 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065102.D

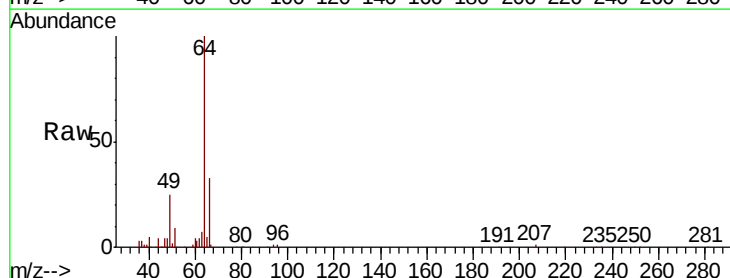
Acq: 07 Feb 2020 11:15

Tgt Ion: 64 Resp: 165897

Ion Ratio Lower Upper

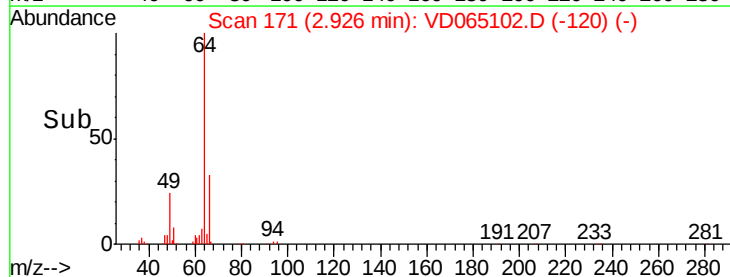
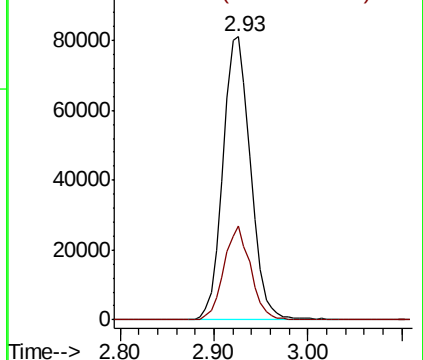
64 100

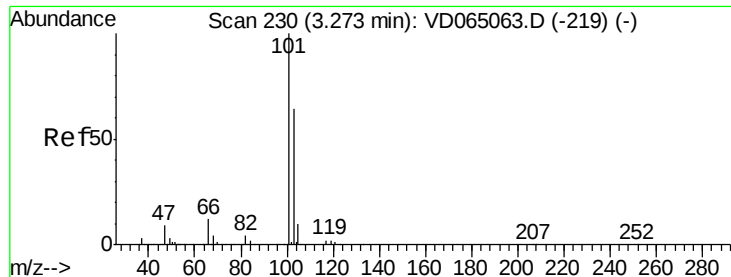
66 33.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



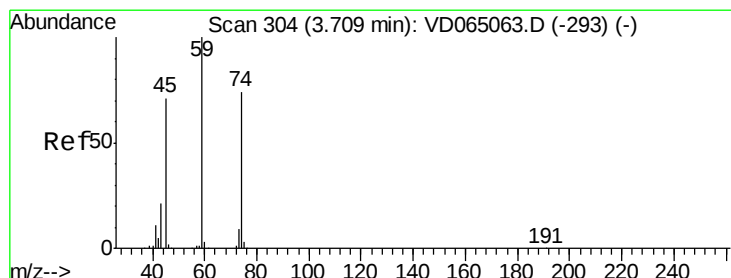
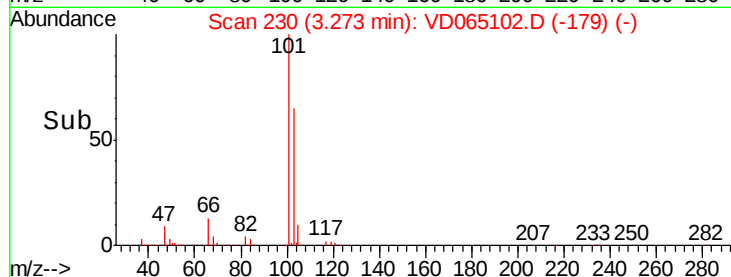
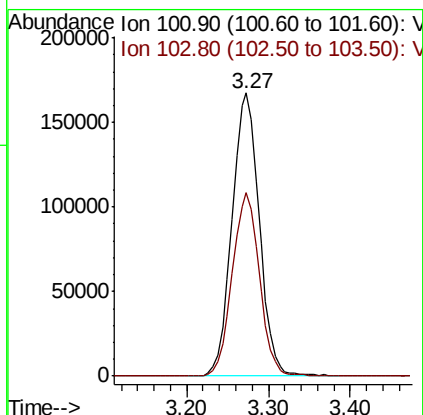
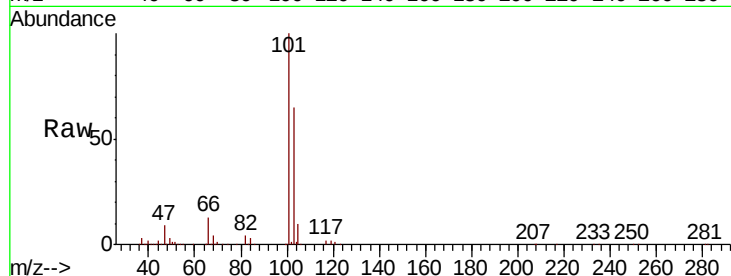


#7

Trichlorofluoromethane
Concen: 53.890 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :

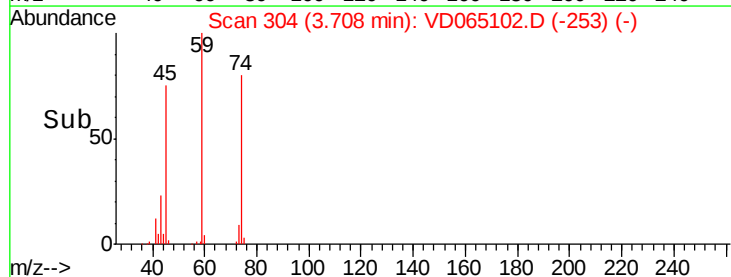
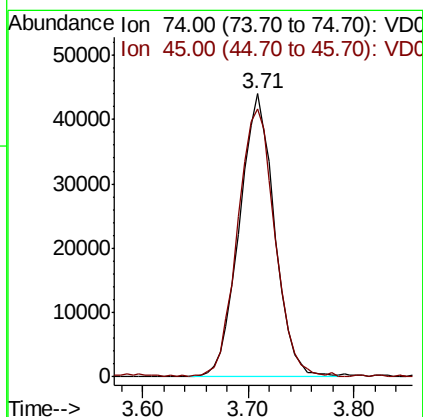
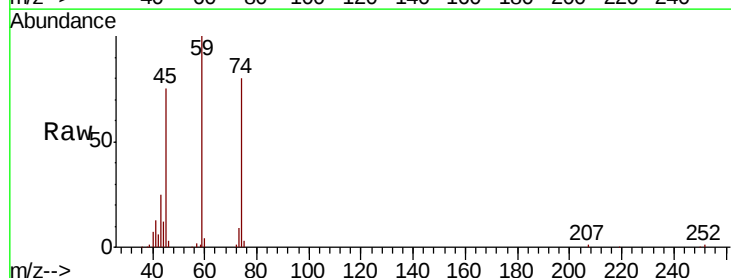
Tot Ion:101 Resp: 388569
Ion Ratio Lower Upper
101 100
103 65.1 51.0 76.6

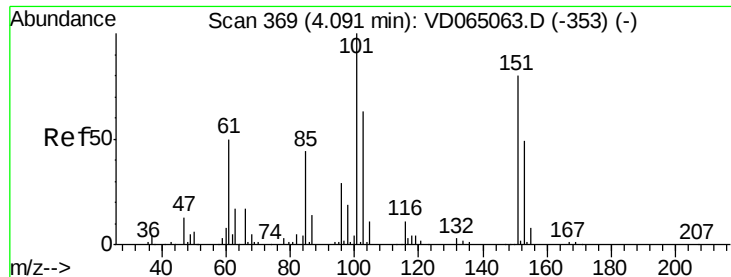


#8

Diethyl Ether
Concen: 48.997 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 74 Resp: 101420
Ion Ratio Lower Upper
74 100
45 100.8 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.643 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

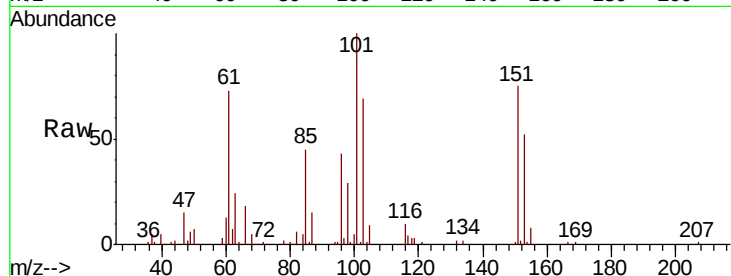
Tot Ion:101 Resp: 223230

Ion Ratio Lower Upper

101 100

85 43.5 34.0 51.0

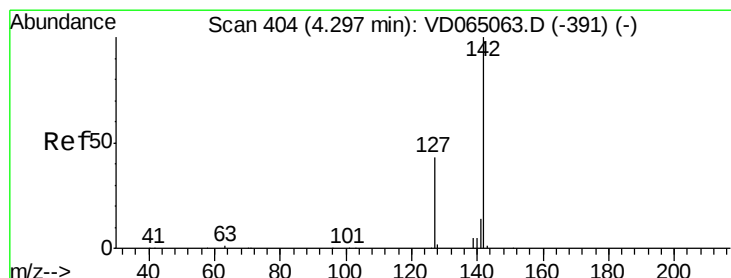
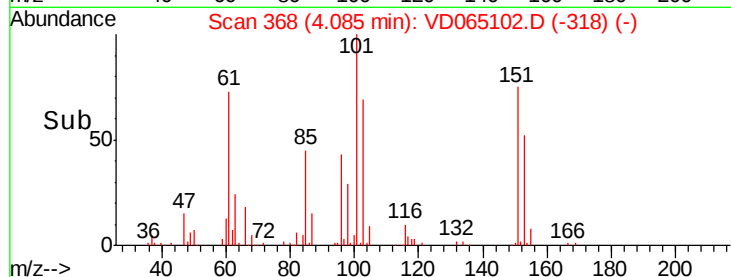
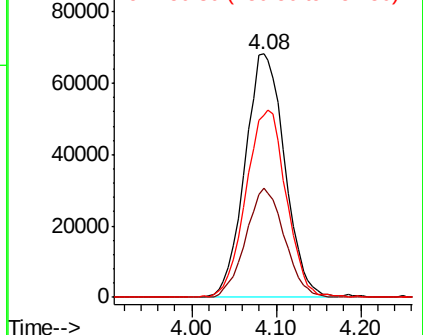
151 77.9 64.0 96.0



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: 49.100 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

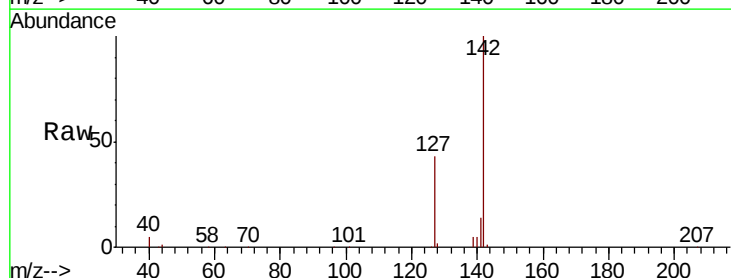
Tgt Ion:142 Resp: 247027

Ion Ratio Lower Upper

142 100

127 44.3 34.0 51.0

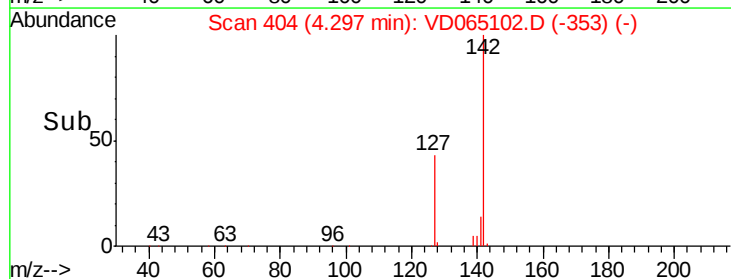
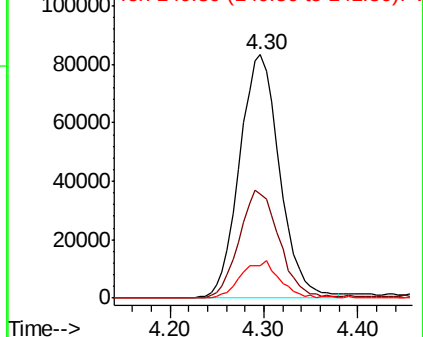
141 14.8 11.6 17.4

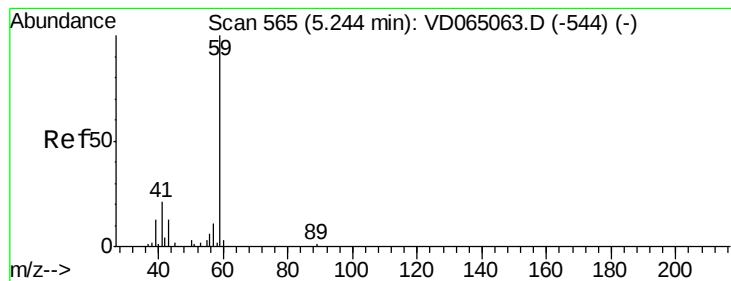


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



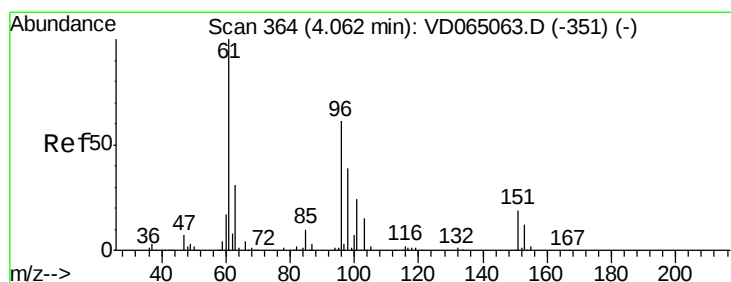
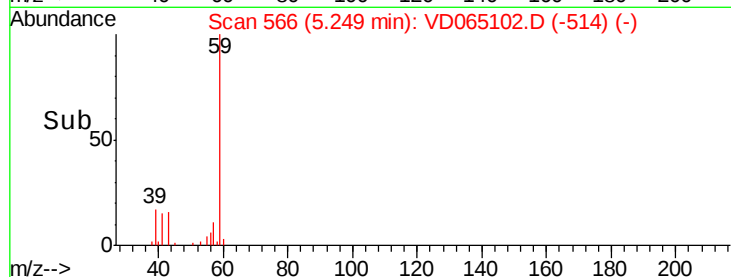
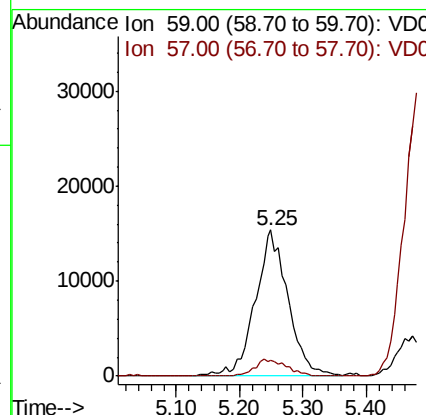
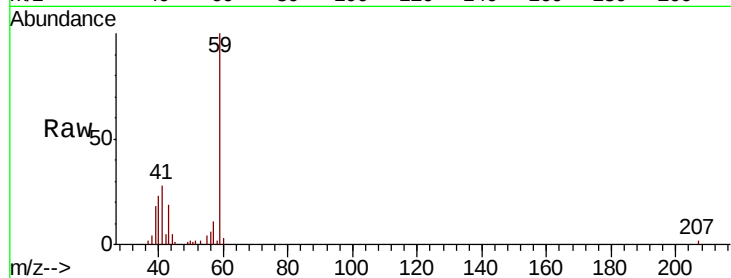


#11

Tert butyl alcohol
Concen: 223.509 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :

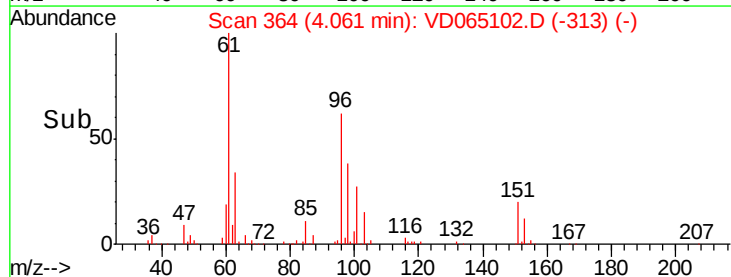
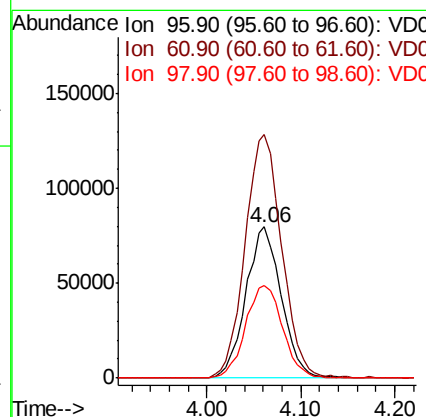
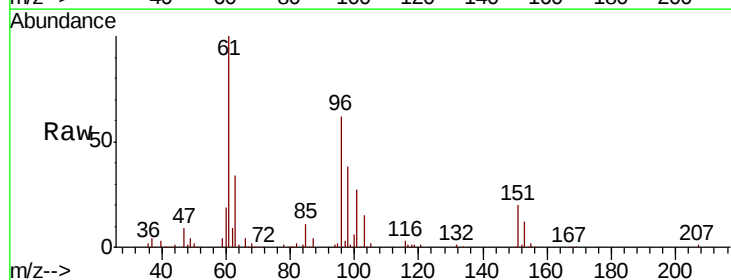
Tot Ion: 59 Resp: 55508
Ion Ratio Lower Upper
59 100
57 11.3 8.8 13.2



#12

1,1-Dichloroethene
Concen: 49.305 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 96 Resp: 208145
Ion Ratio Lower Upper
96 100
61 161.3 131.4 197.2
98 61.6 51.1 76.7

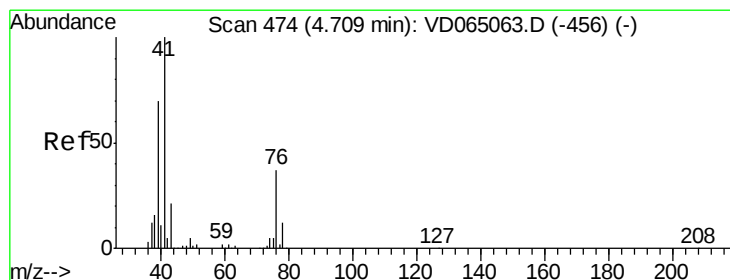
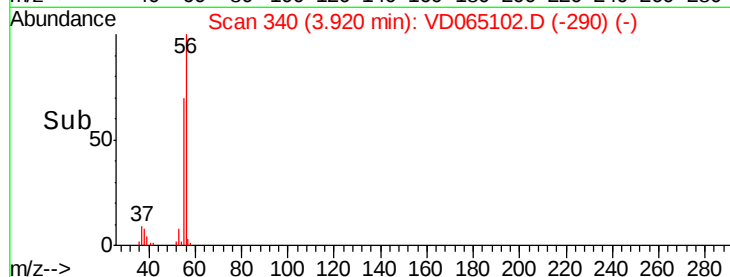
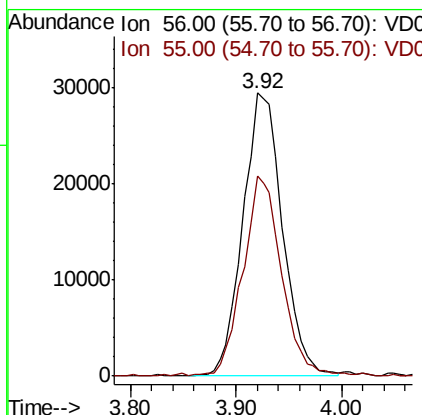
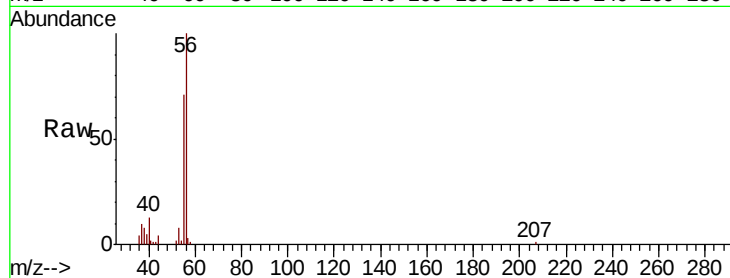




#13
Acrolein
Concen: 251.145 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

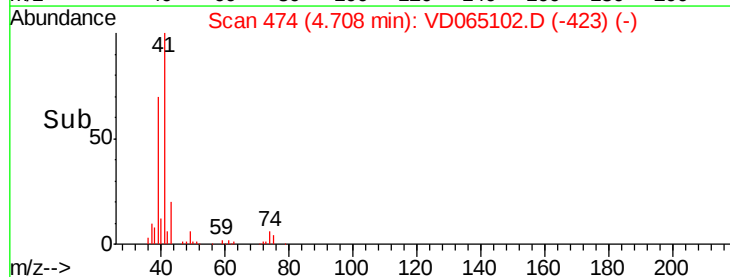
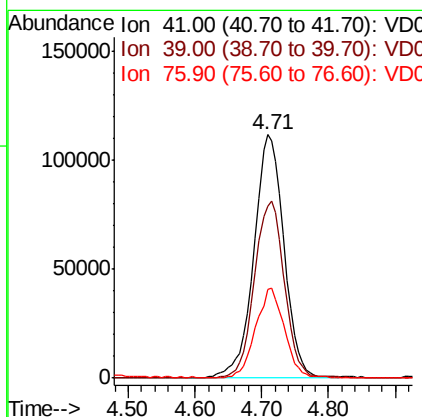
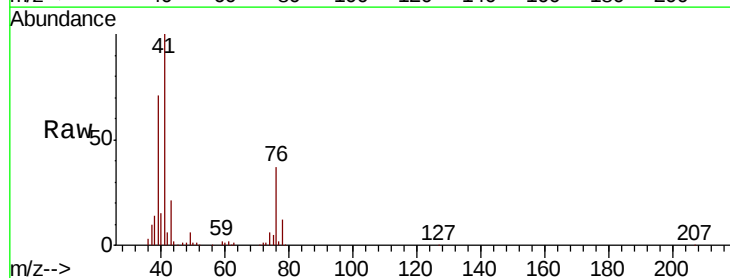
Instrument :
MSVOA_D
ClientSampleId :

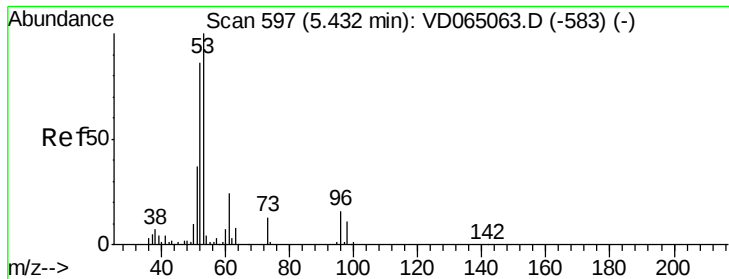
Tot Ion: 56 Resp: 76715
Ion Ratio Lower Upper
56 100
55 68.8 58.2 87.2



#14
Allyl chloride
Concen: 49.603 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 41 Resp: 348025
Ion Ratio Lower Upper
41 100
39 72.5 57.1 85.7
76 35.5 28.0 42.0





#15

Acrylonitrile

Concen: 252.473 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

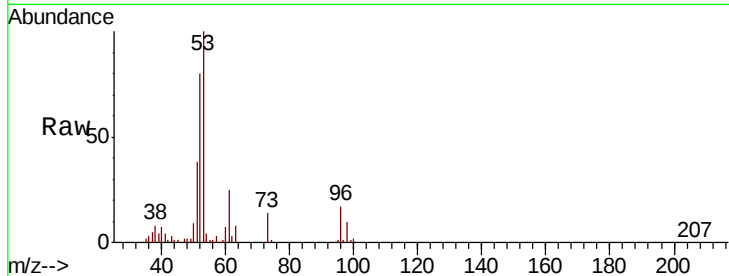
Tot Ion: 53 Resp: 228478

Ion Ratio Lower Upper

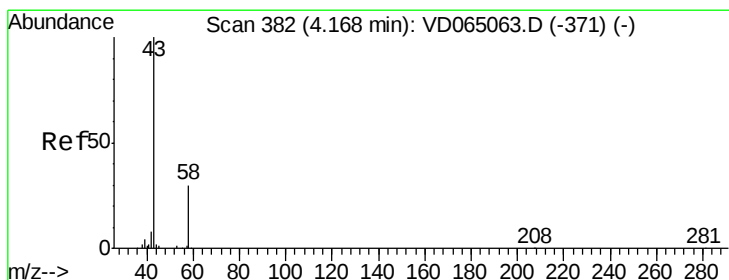
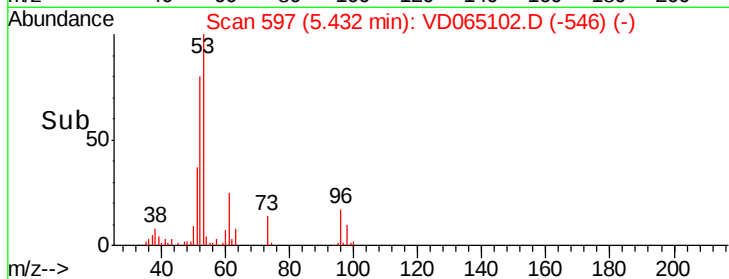
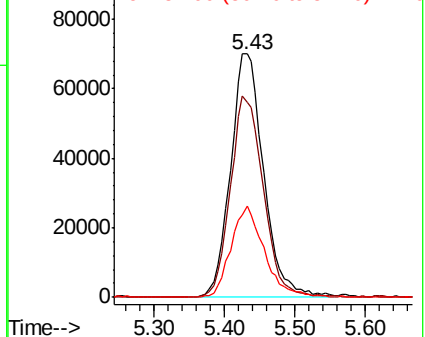
53 100

52 82.5 66.2 99.2

51 37.8 30.4 45.6



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



#16

Acetone

Concen: 251.936 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065102.D

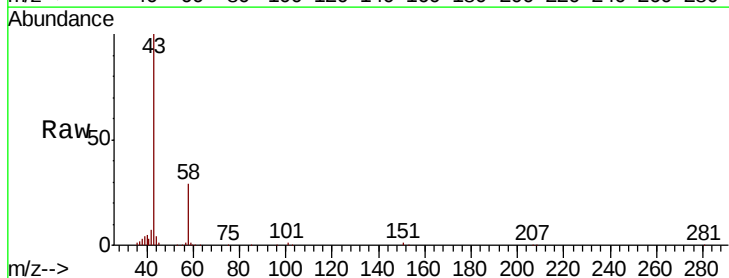
Acq: 07 Feb 2020 11:15

Tgt Ion: 43 Resp: 256029

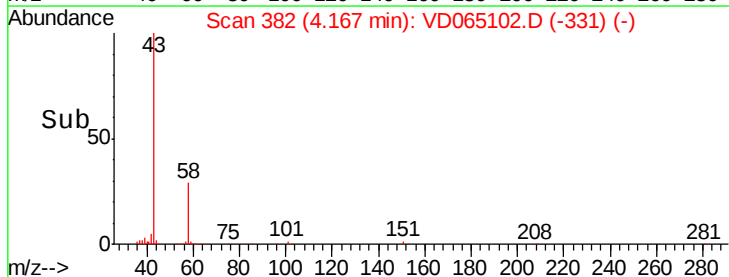
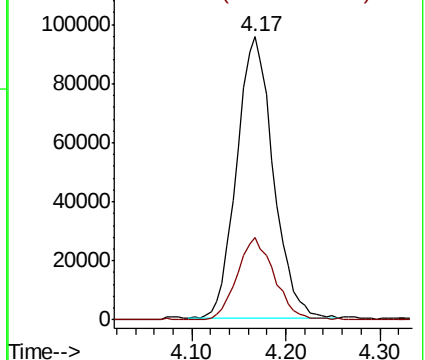
Ion Ratio Lower Upper

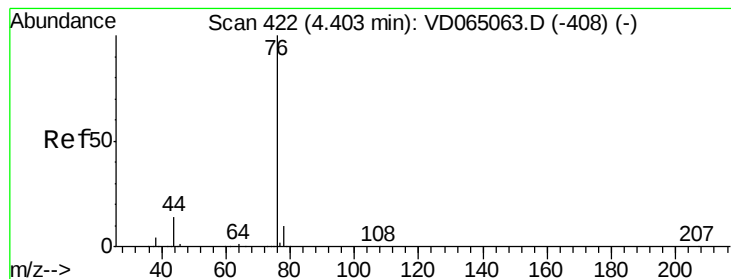
43 100

58 29.3 23.5 35.3



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





#17

Carbon Disulfide

Concen: 51.219 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

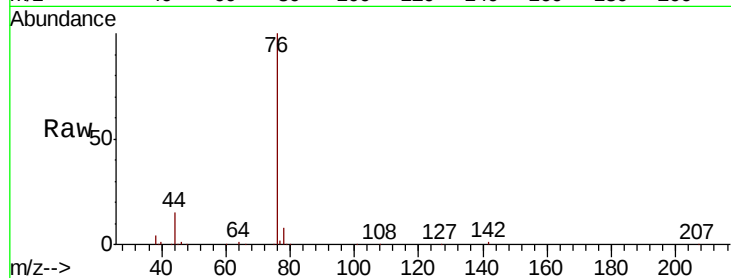
ClientSampled :

Tot Ion: 76 Resp: 694245

Ion Ratio Lower Upper

76 100

78 8.3 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

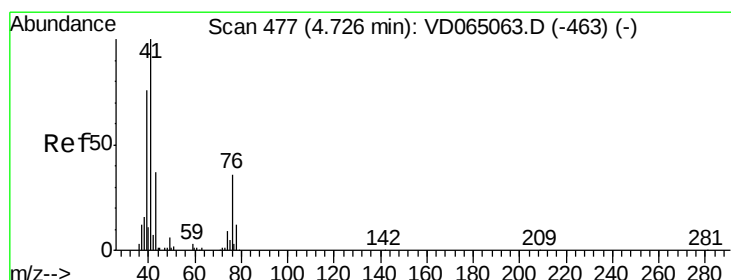
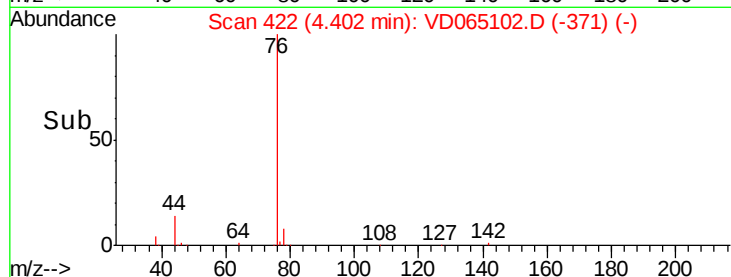
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 49.504 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065102.D

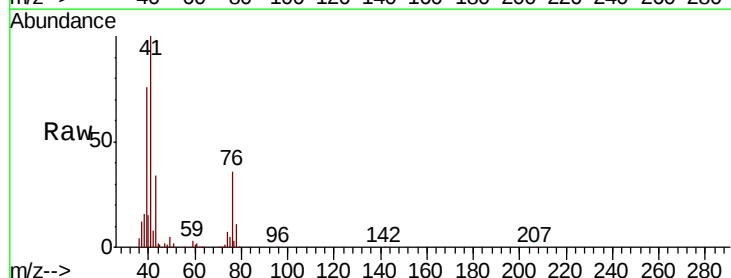
Acq: 07 Feb 2020 11:15

Tgt Ion: 43 Resp: 105109

Ion Ratio Lower Upper

43 100

74 23.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

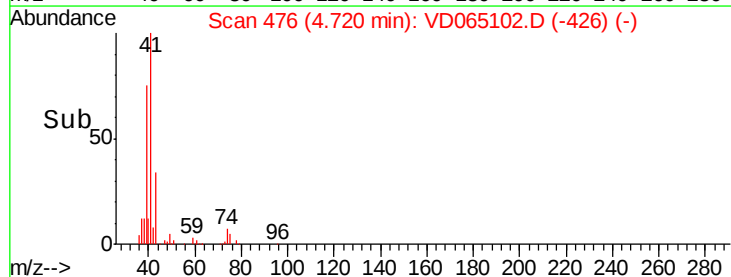
20000

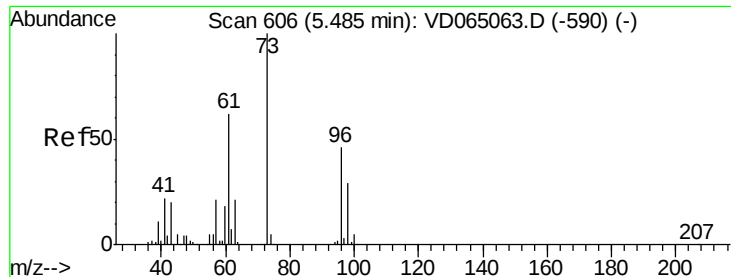
10000

0

4.60 4.70 4.80

Time-->



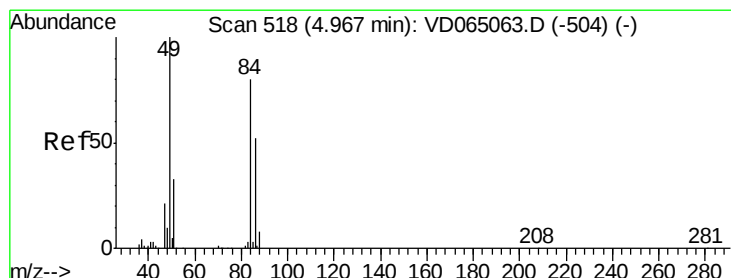
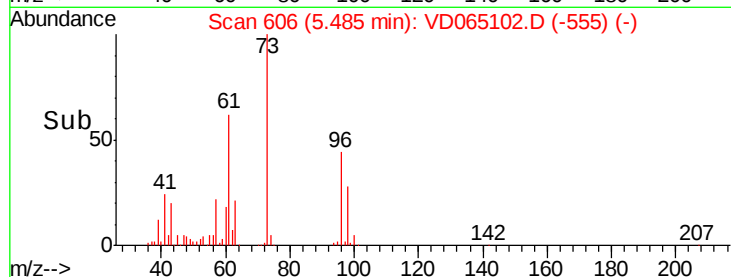
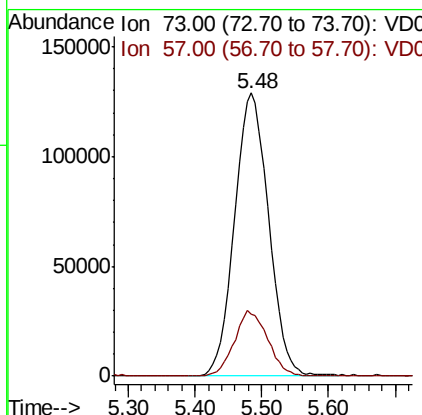
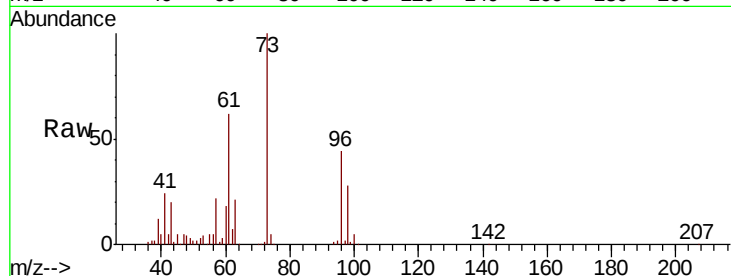


#19

Methyl tert-butyl Ether
 Concen: 48.953 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Instrument :
 MSVOA_D
 ClientSampled :

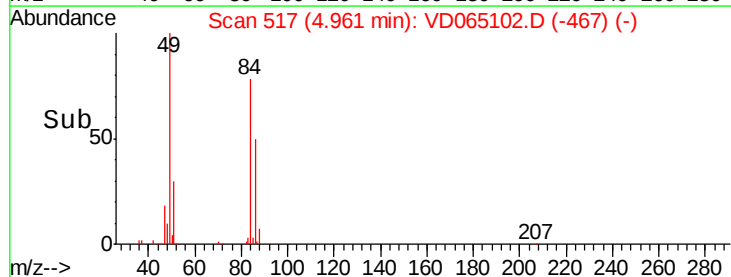
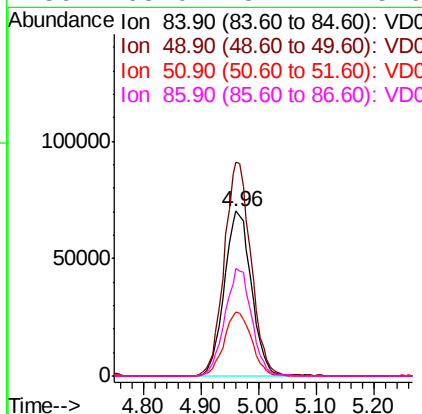
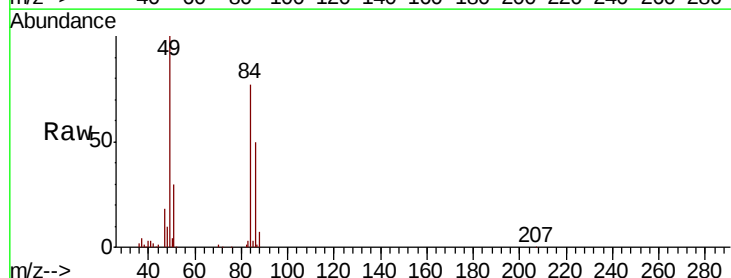
Tot Ion: 73 Resp: 456995
 Ion Ratio Lower Upper
 73 100
 57 21.8 16.8 25.2

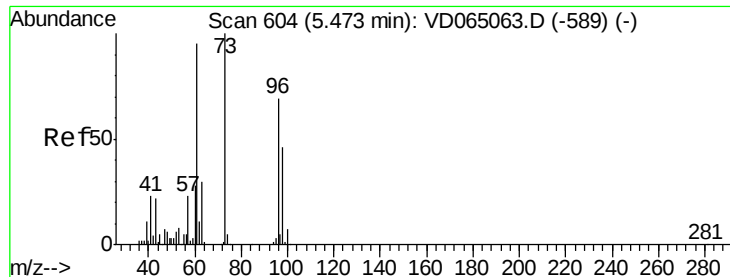


#20

Methylene Chloride
 Concen: 51.193 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion: 84 Resp: 228653
 Ion Ratio Lower Upper
 84 100
 49 129.7 100.4 150.6
 51 39.0 32.7 49.1
 86 65.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 50.462 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampled :

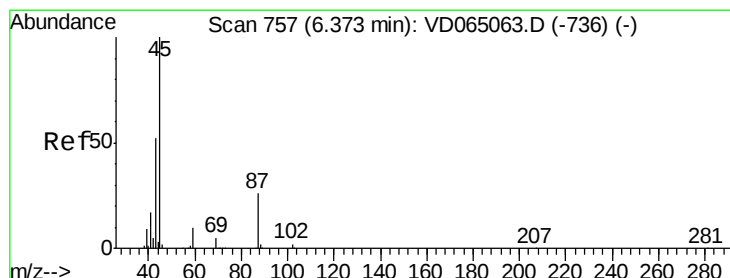
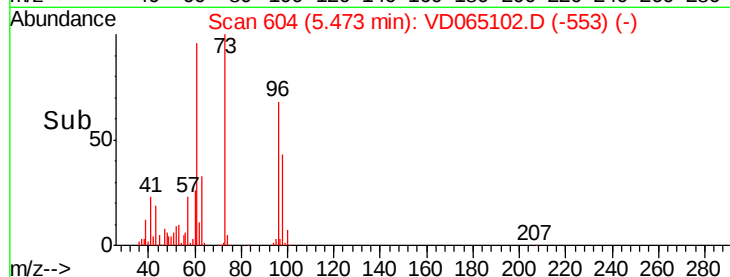
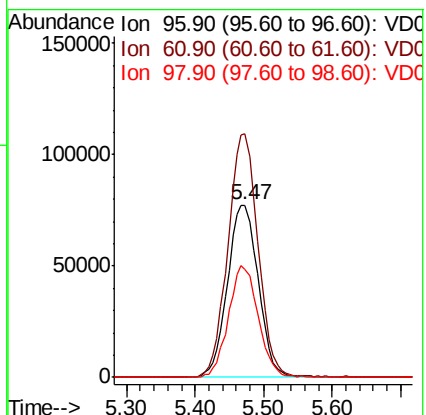
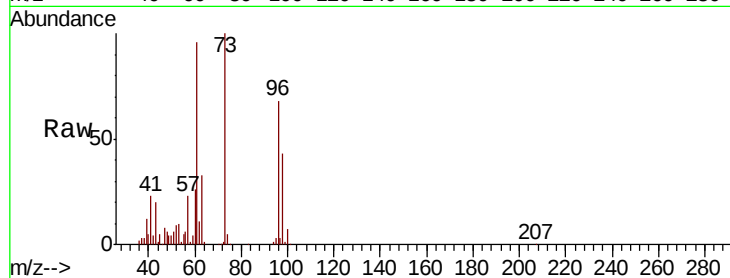
Tot Ion: 96 Resp: 241017

Ion Ratio Lower Upper

96 100

61 141.3 109.5 164.3

98 62.7 53.7 80.5



#22

Diisopropyl ether

Concen: 51.438 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion: 45 Resp: 680741

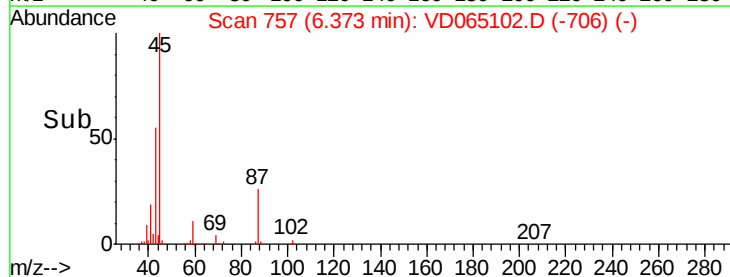
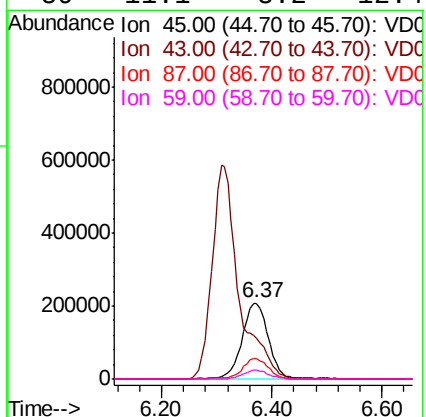
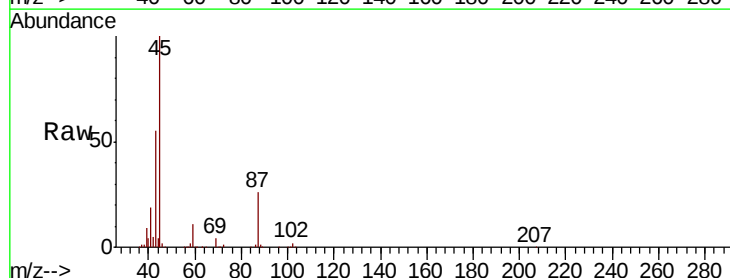
Ion Ratio Lower Upper

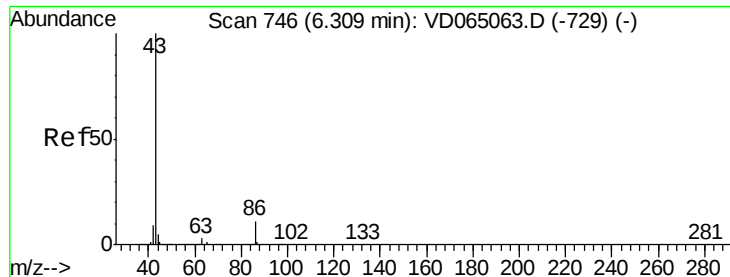
45 100

43 54.0 41.3 61.9

87 26.2 21.0 31.6

59 11.1 8.2 12.4





#23

Vinyl Acetate

Concen: 266.771 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

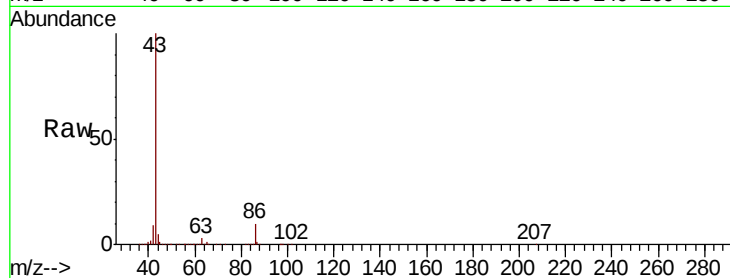
ClientSampleId :

Tot Ion: 43 Resp: 1967832

Ion Ratio Lower Upper

43 100

86 9.9 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

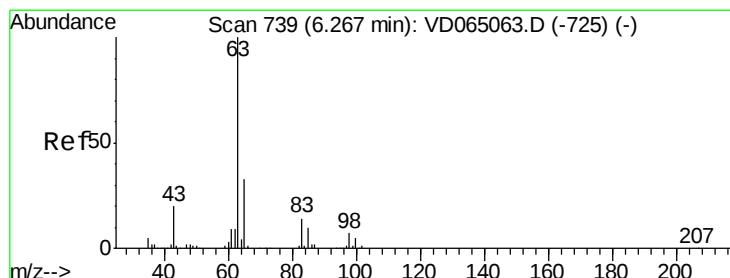
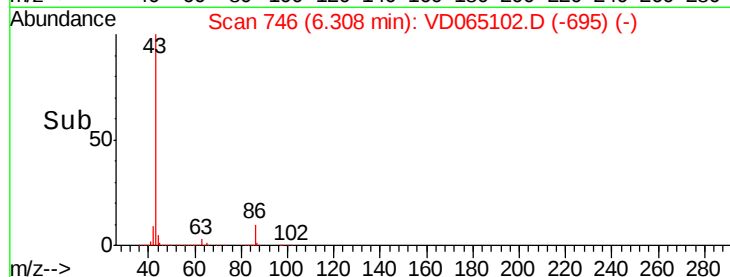
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.615 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

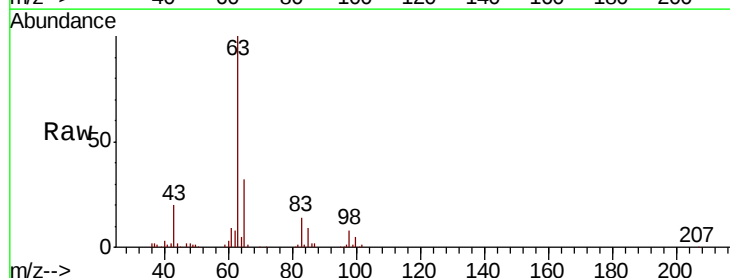
Tgt Ion: 63 Resp: 405452

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 4.6 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

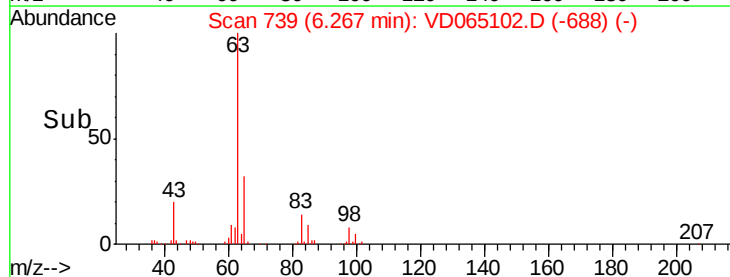
150000

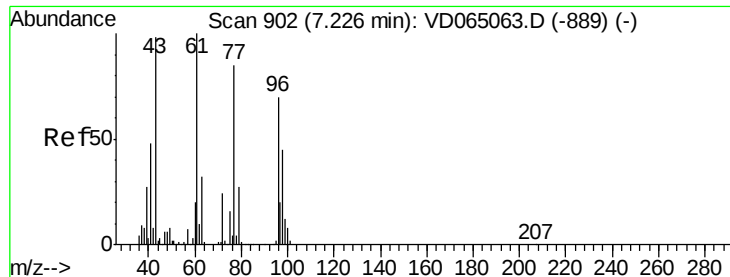
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 258.378 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

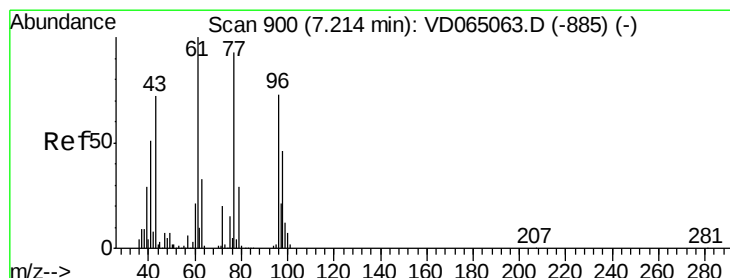
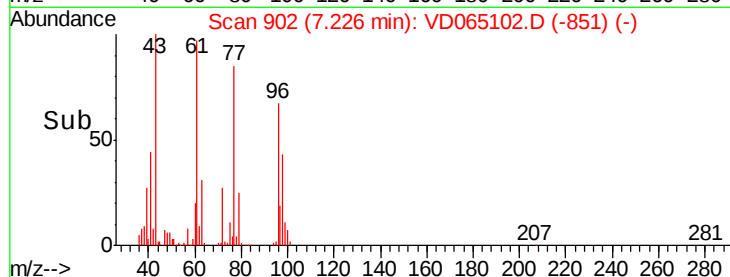
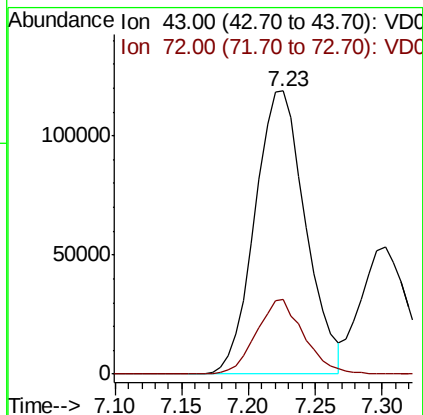
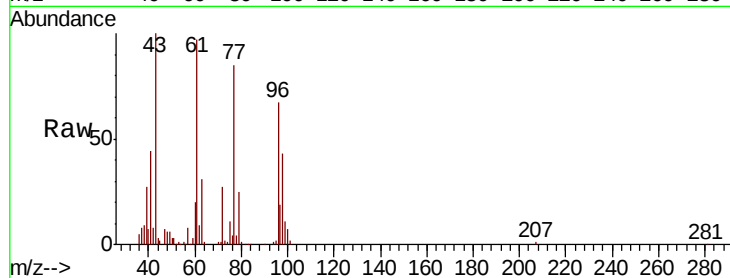
ClientSampled :

Tot Ion: 43 Resp: 313214

Ion Ratio Lower Upper

43 100

72 26.6 19.9 29.9



#26

2,2-Dichloropropane

Concen: 51.713 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065102.D

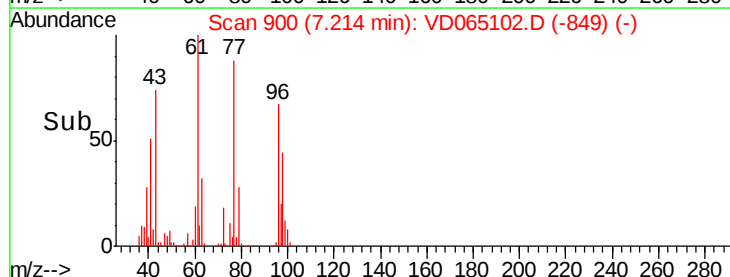
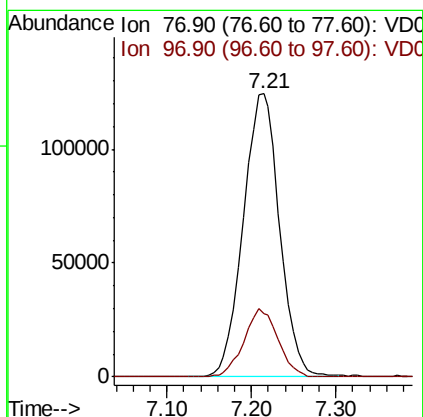
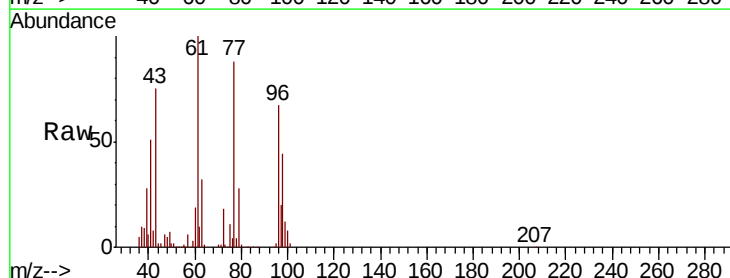
Acq: 07 Feb 2020 11:15

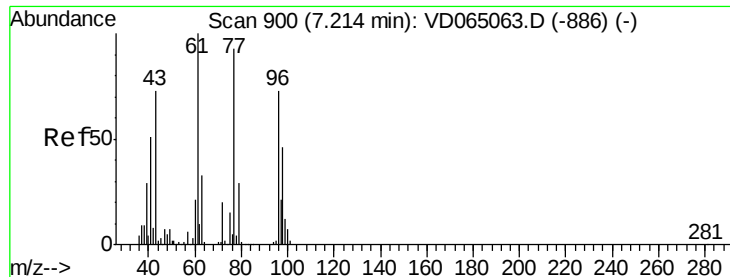
Tgt Ion: 77 Resp: 371300

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.6



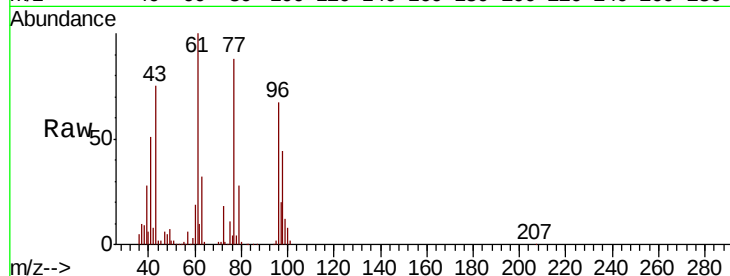


#27

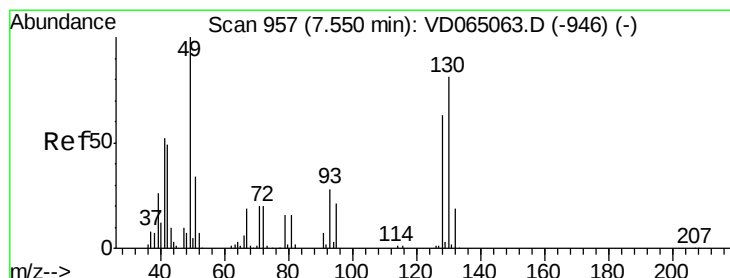
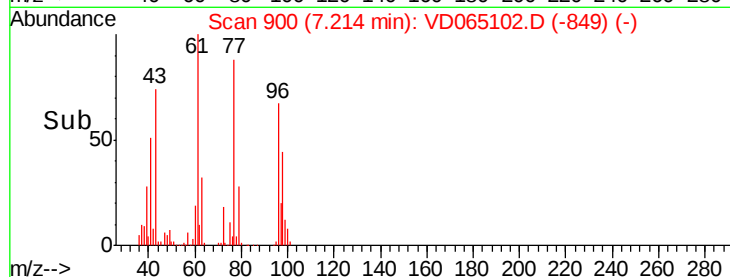
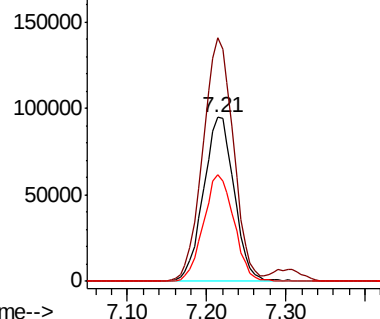
cis-1,2-Dichloroethene
Concen: 50.207 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	292.8
98	64.3	0.0	128.8



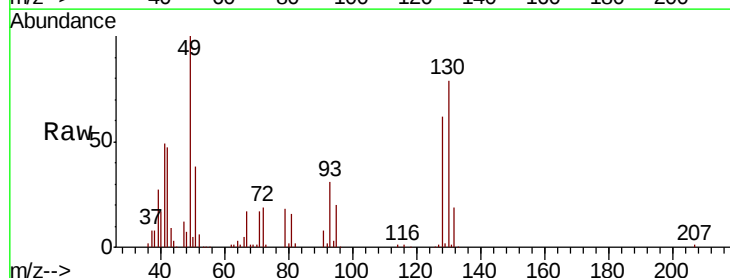
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



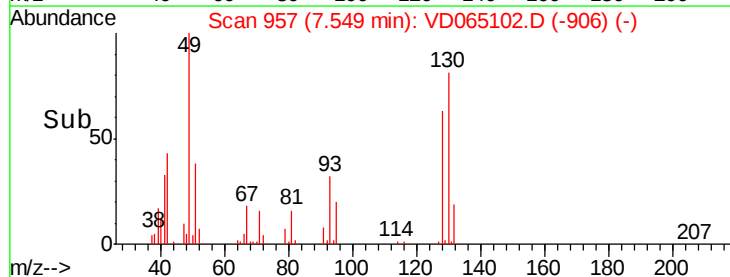
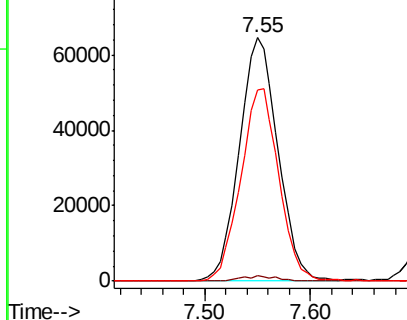
#28

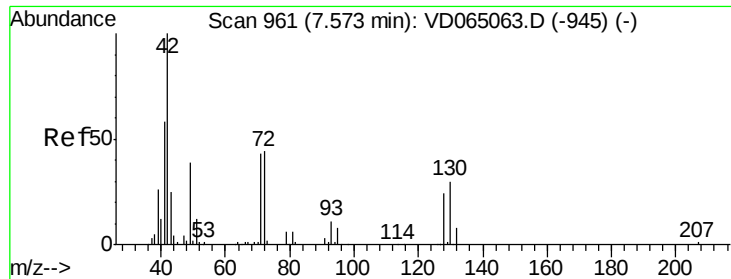
Bromochloromethane
Concen: 53.913 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	78.1	63.8	95.8



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

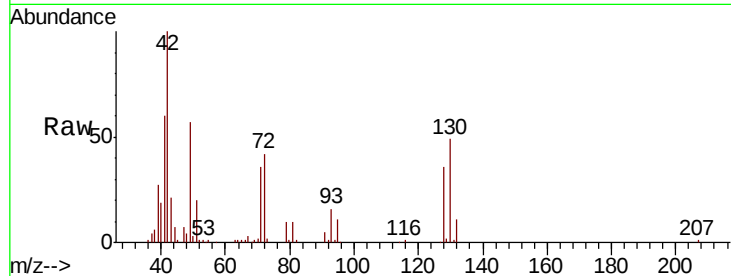




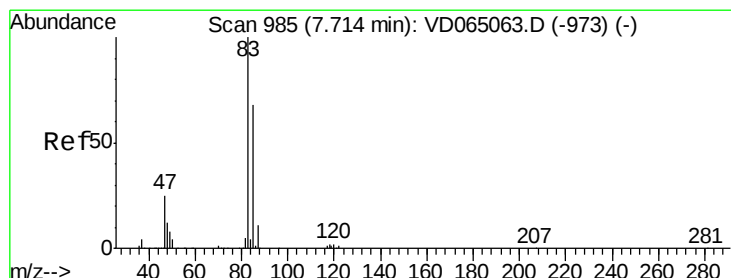
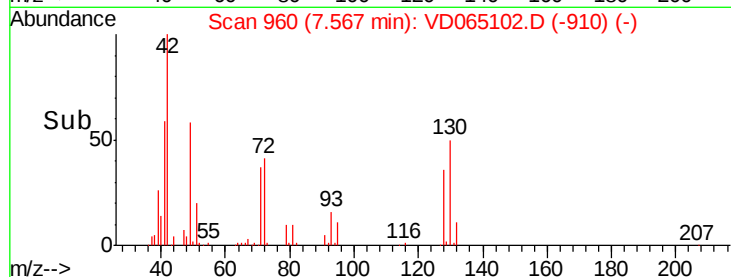
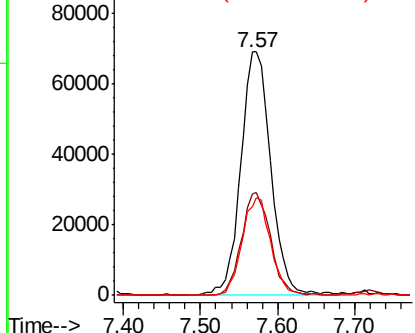
#29
Tetrahydrofuran
Concen: 258.879 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 189779
Ion Ratio Lower Upper
42 100
72 40.4 34.2 51.4
71 38.3 31.8 47.6

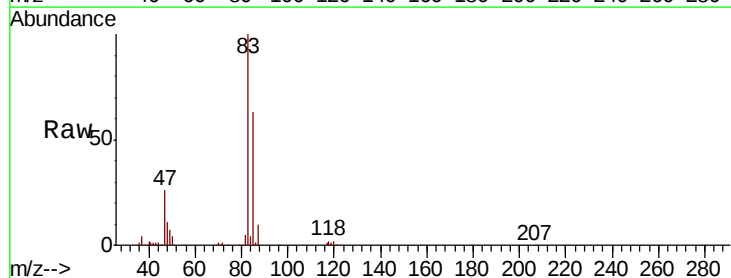


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

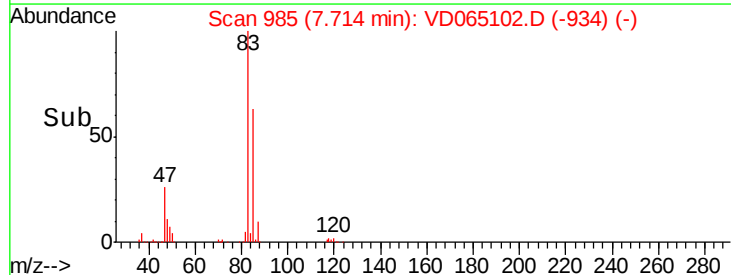
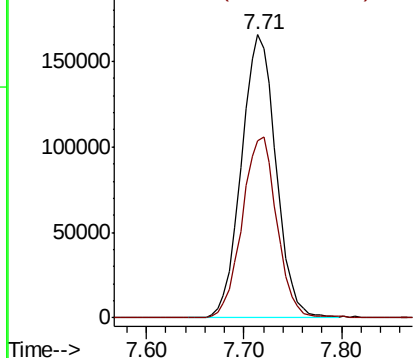


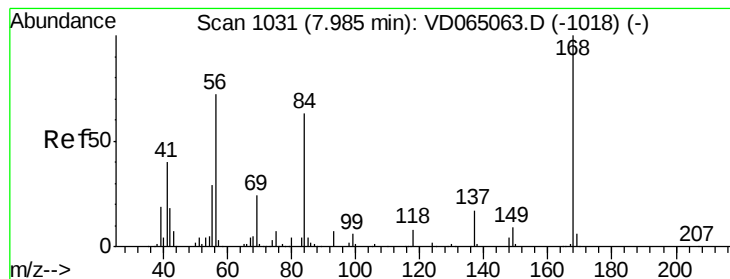
#30
Chloroform
Concen: 51.500 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 83 Resp: 410765
Ion Ratio Lower Upper
83 100
85 62.8 54.2 81.4



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





#31

Cyclohexane

Concen: 48.391 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :

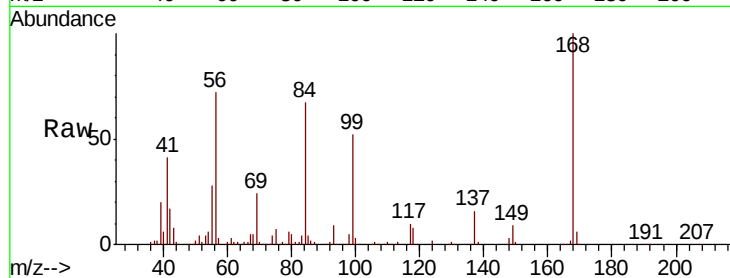
Tot Ion: 56 Resp: 391292

Ion Ratio Lower Upper

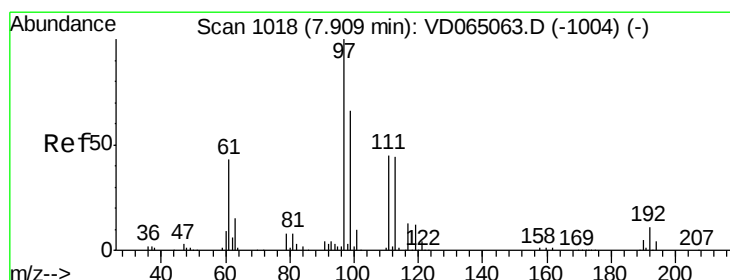
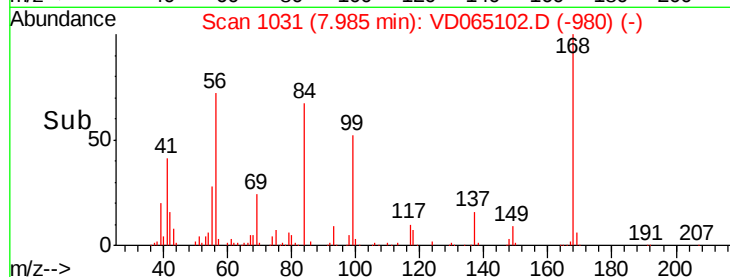
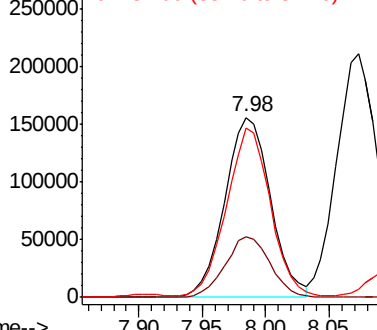
56 100

69 33.5 26.6 40.0

84 92.4 70.6 106.0



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



#32

1,1,1-Trichloroethane

Concen: 51.549 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

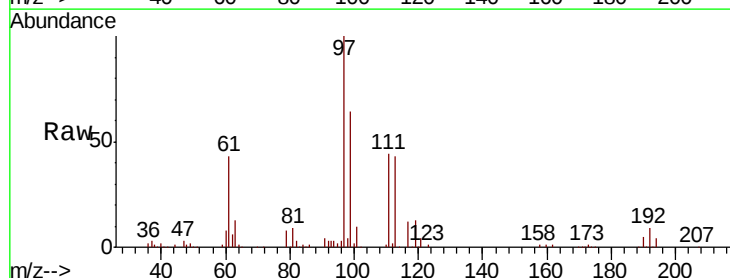
Tgt Ion: 97 Resp: 383004

Ion Ratio Lower Upper

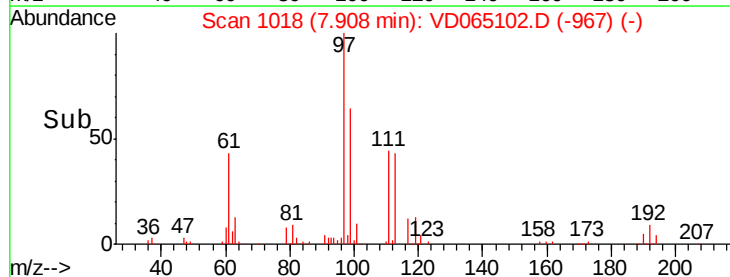
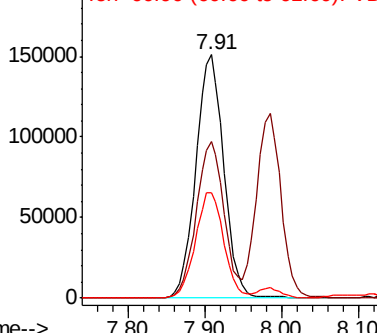
97 100

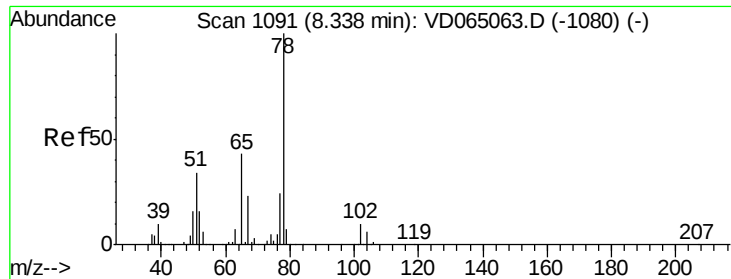
99 64.4 51.5 77.3

61 44.0 34.8 52.2



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

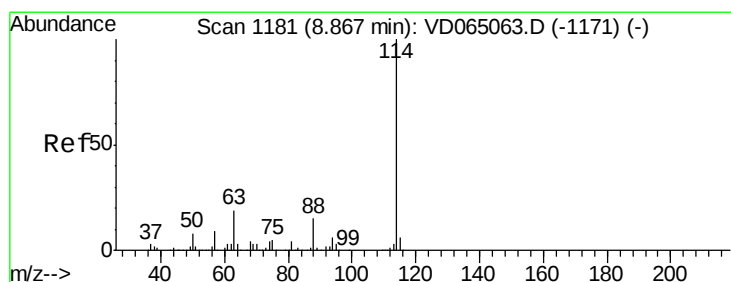
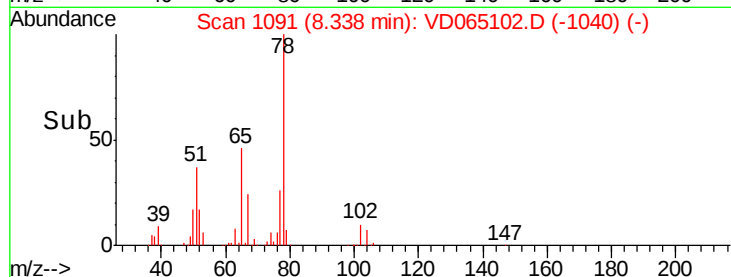
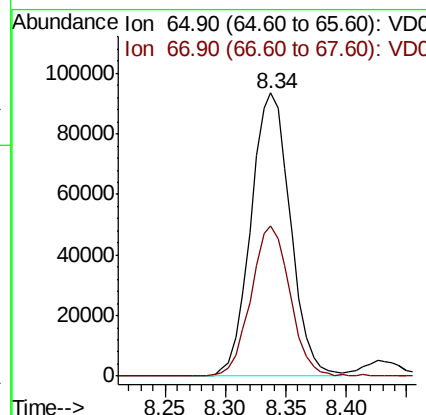
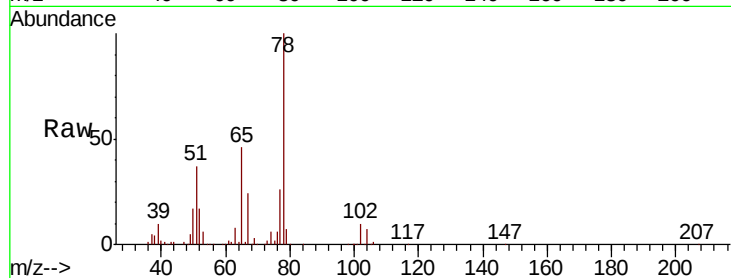




#33
 1,2-Dichloroethane-d4
 Concen: 52.439 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

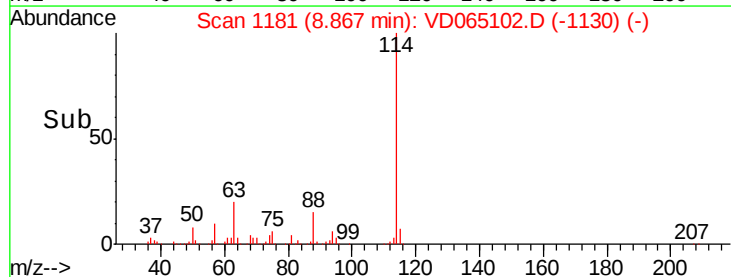
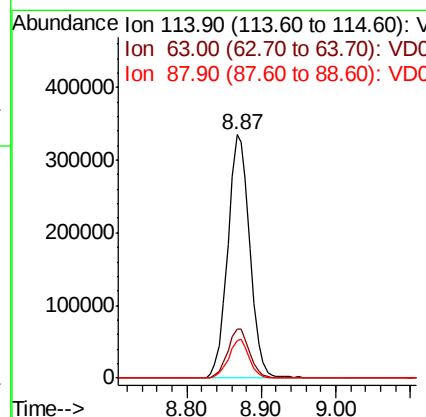
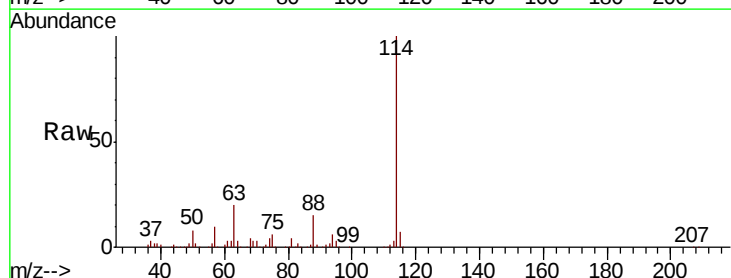
Instrument :
 MSVOA_D
 ClientSampleId :

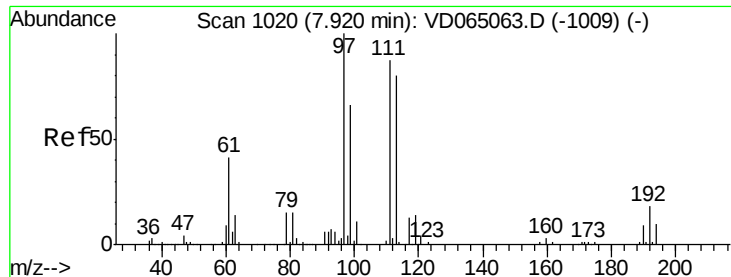
Tot Ion: 65 Resp: 213149
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion:114 Resp: 688118
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.8
 88 15.3 0.0 29.6

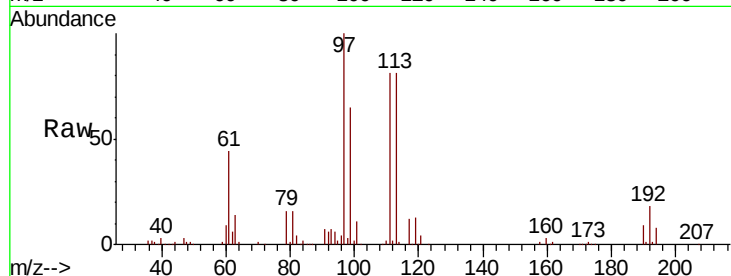




#35
Dibromofluoromethane
Concen: 55.426 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.1	124.7
192	22.1	18.1	27.1

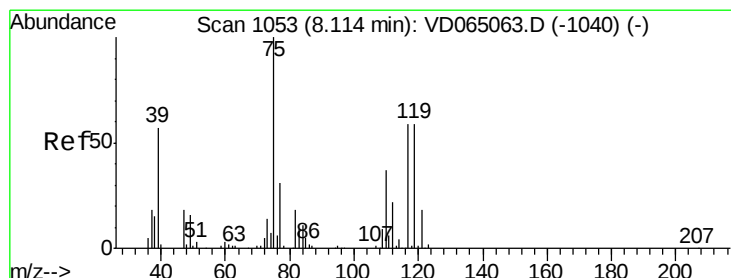
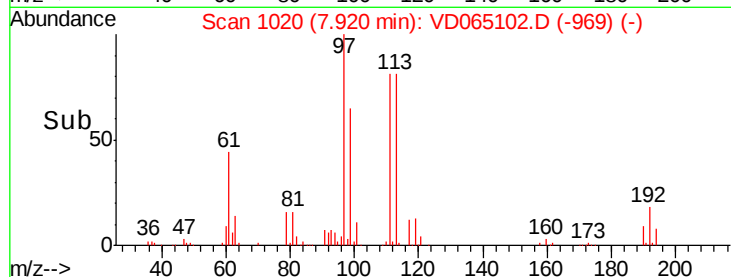
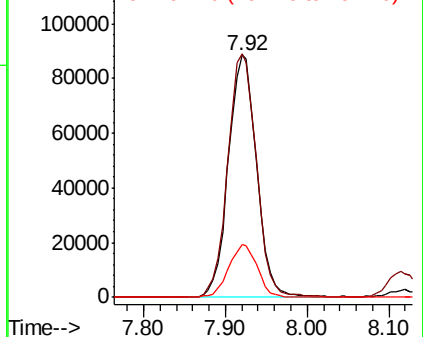


Abundance

Ion 112.80 (112.50 to 113.50): V

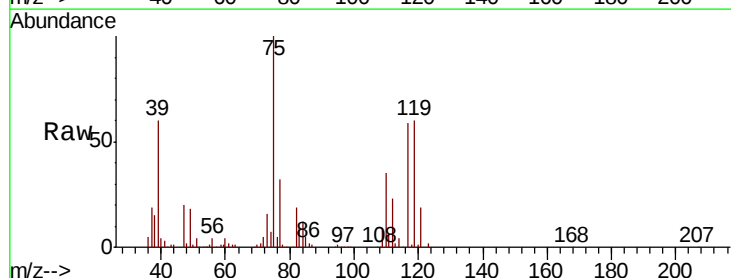
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 53.887 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	18.1	54.3
77	30.6	24.7	37.1

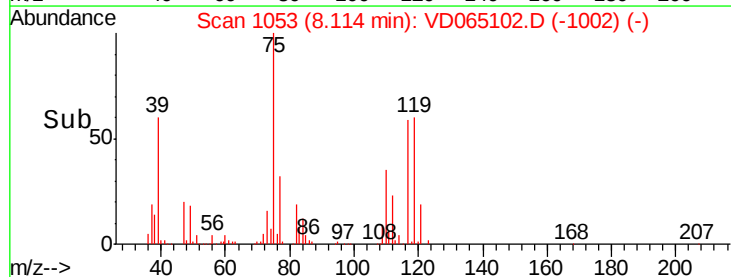
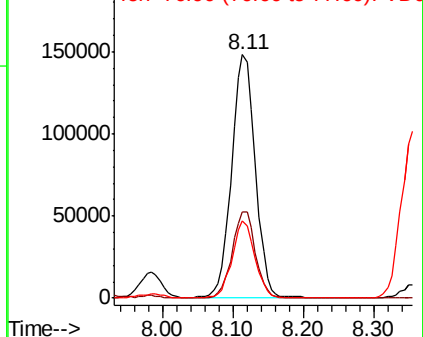


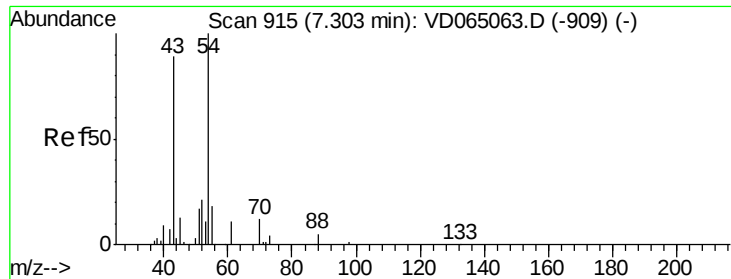
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

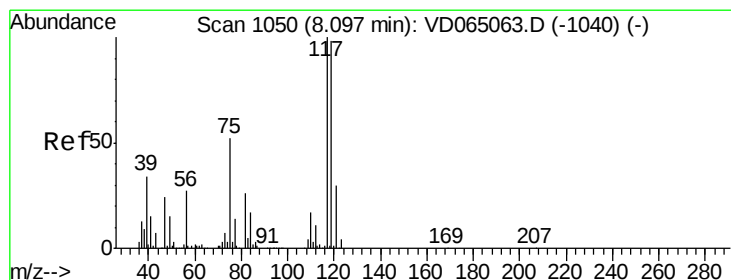
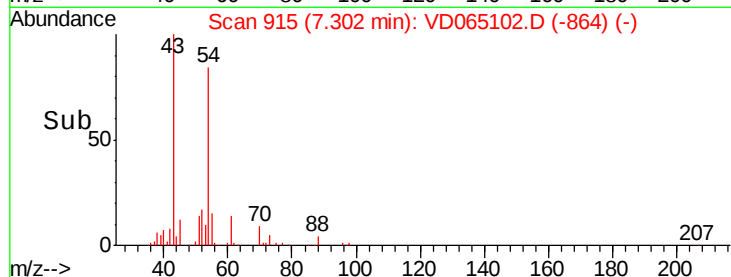
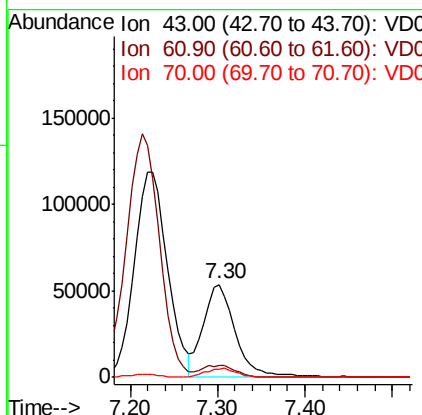
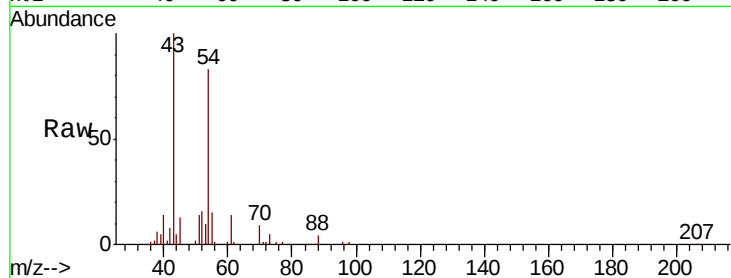




#37
Ethyl Acetate
Concen: 51.716 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

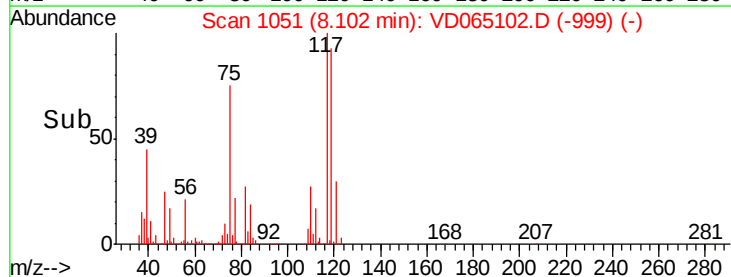
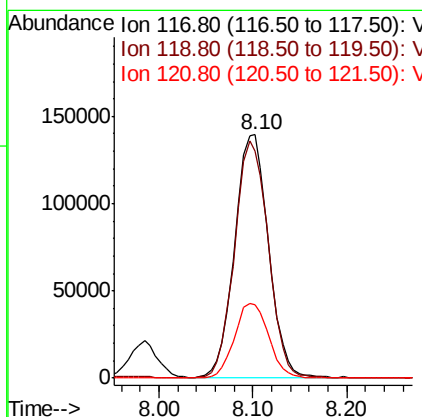
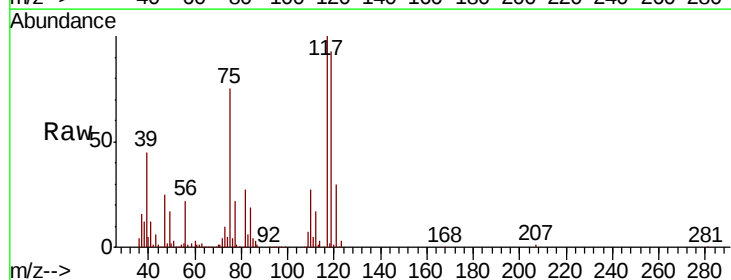
Instrument :
MSVOA_D
ClientSampleId :

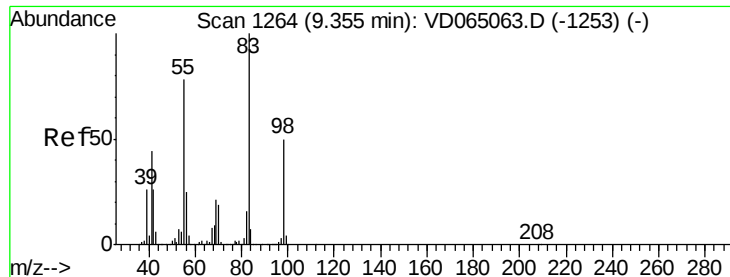
Tot Ion: 43 Resp: 135185
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.4
70 9.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 53.278 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 117 Resp: 348170
Ion Ratio Lower Upper
117 100
119 93.3 78.5 117.7
121 30.0 23.8 35.6

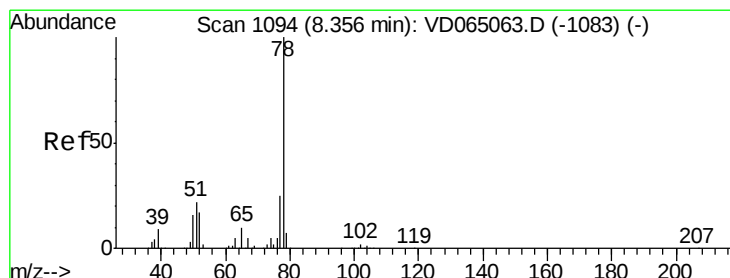
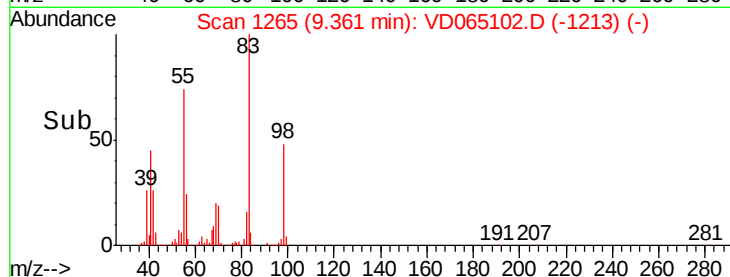
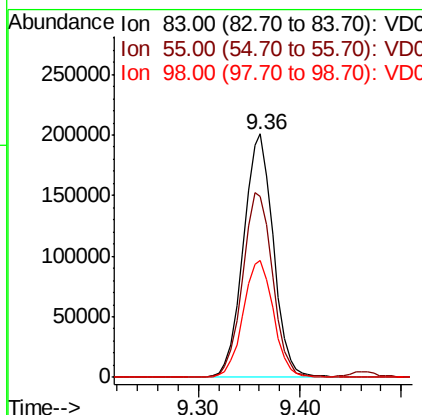
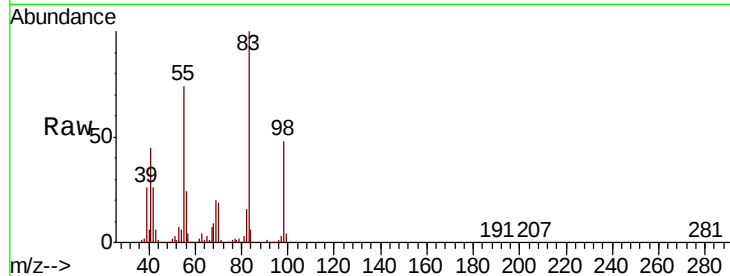




#39
Methvlcvclohexane
Concen: 52.051 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

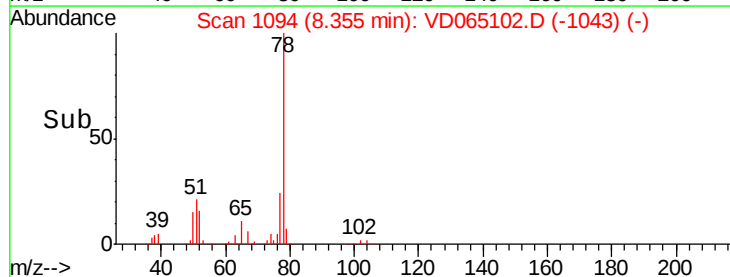
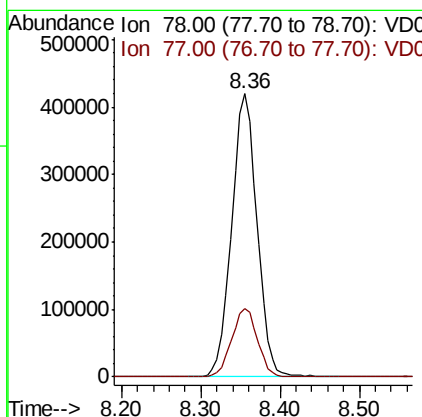
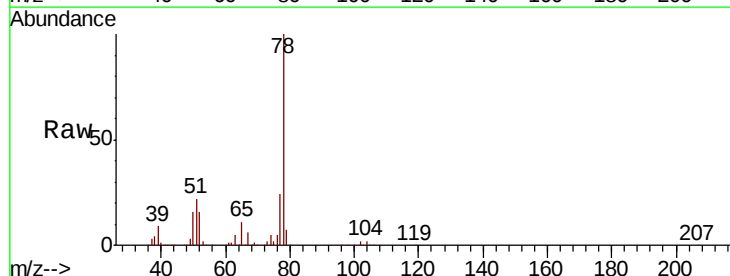
Instrument :
MSVOA_D
ClientSampled :

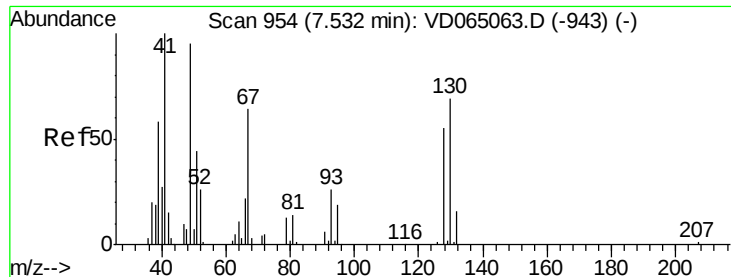
Tot Ion: 83 Resp: 411089
Ion Ratio Lower Upper
83 100
55 74.5 62.0 93.0
98 48.0 39.9 59.9



#40
Benzene
Concen: 52.530 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 78 Resp: 928164
Ion Ratio Lower Upper
78 100
77 24.3 19.6 29.4

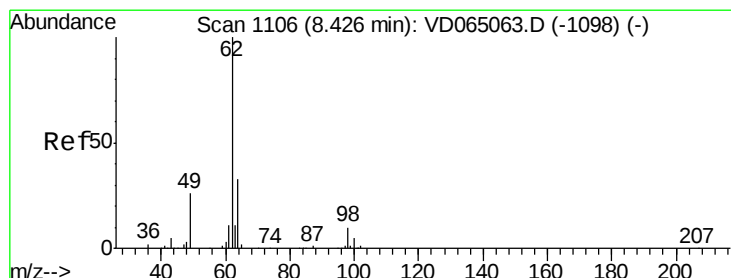
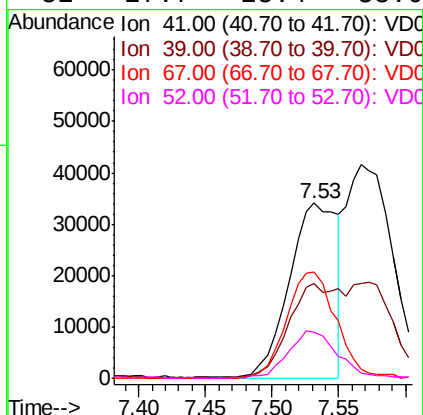
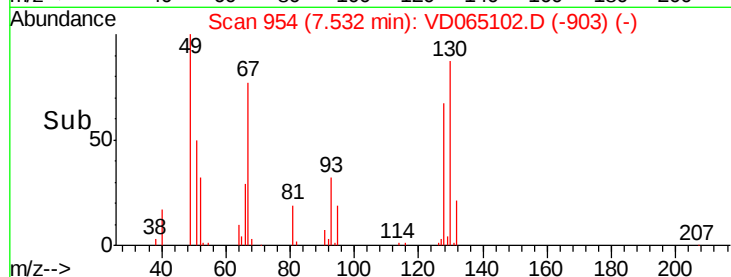
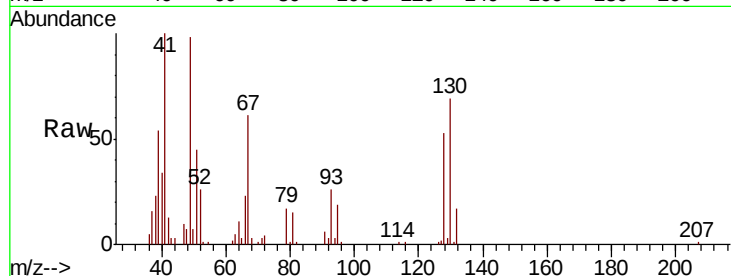




#41
Methacrylonitrile
Concen: 59.547 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

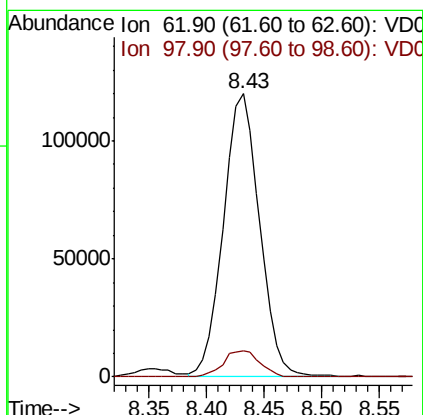
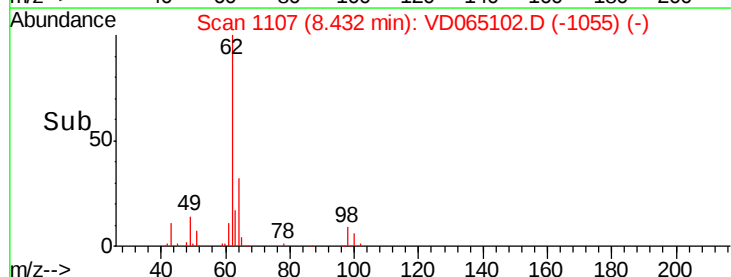
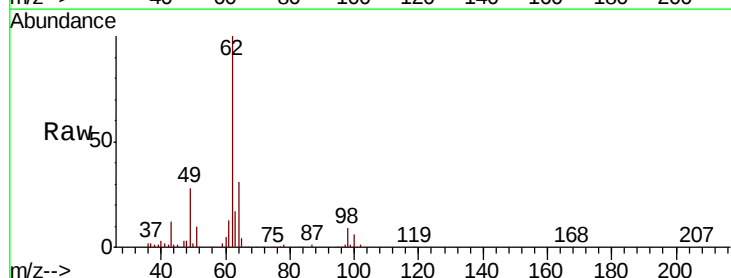
Instrument :
MSVOA_D
ClientSampleId :

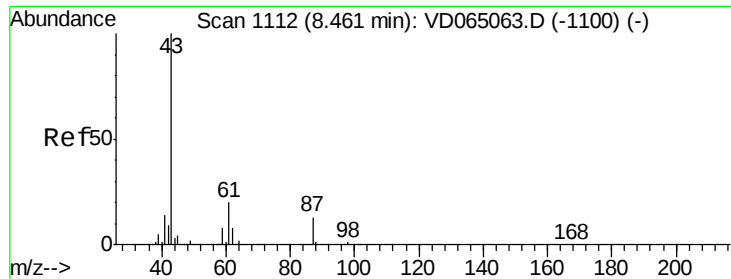
Tot Ion:	41	Resp:	85754
Ion	Ratio	Lower	Upper
41	100		
39	46.7	55.4	83.0#
67	62.3	59.0	88.6
52	27.7	25.4	38.0



#42
1,2-Dichloroethane
Concen: 51.609 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion:	62	Resp:	259831
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6

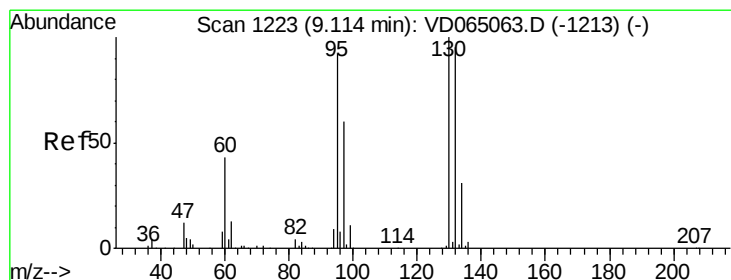
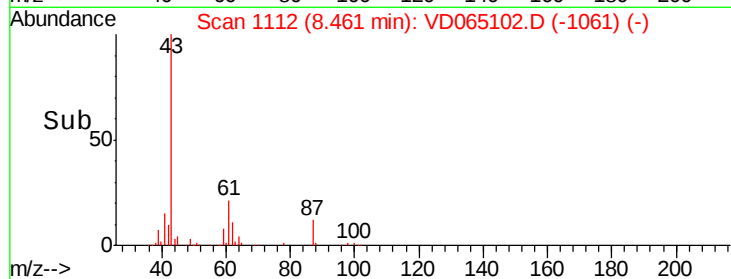
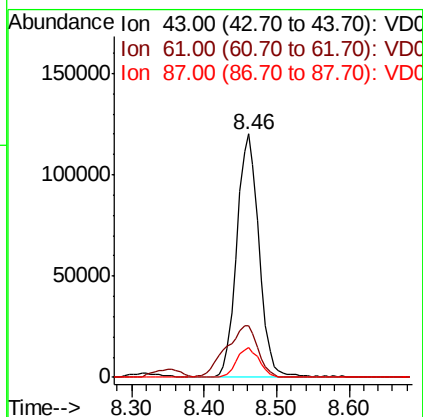
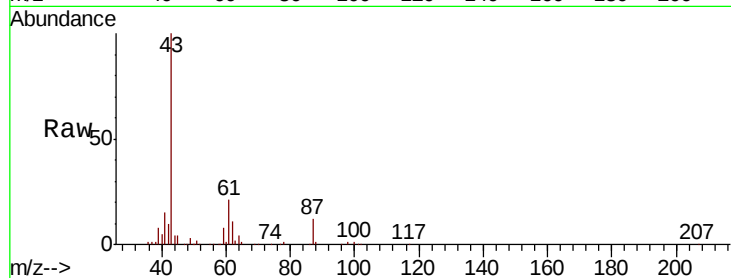




#43
Isopropyl Acetate
Concen: 51.186 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

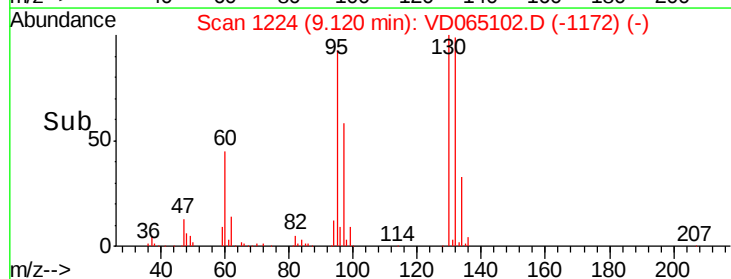
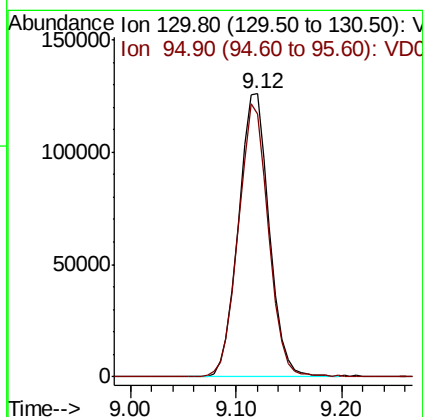
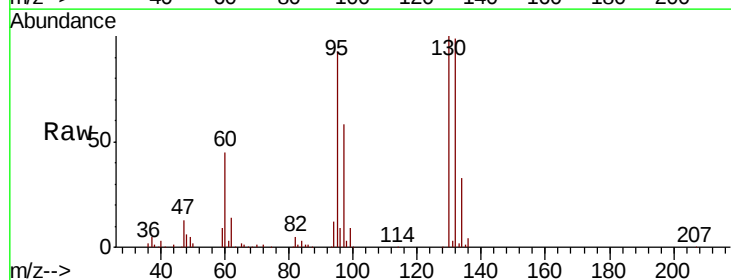
Instrument :
MSVOA_D
ClientSampleId :

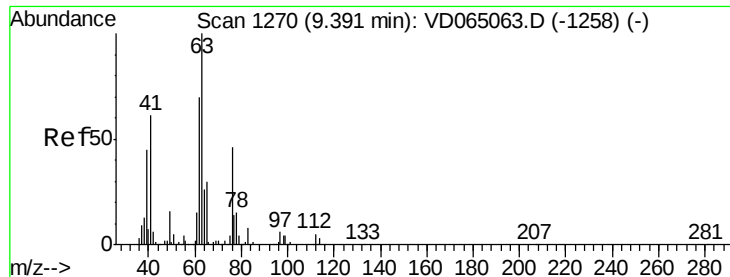
Tot Ion	43	Resp	255950
Ion Ratio	Lower	Upper	
43	100		
61	30.0	24.0	36.0
87	12.3	10.2	15.4



#44
Trichloroethene
Concen: 50.261 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	130	Resp	254908
Ion Ratio	Lower	Upper	
130	100		
95	93.0	0.0	185.0





#45

1,2-Dichloropropane

Concen: 53.105 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

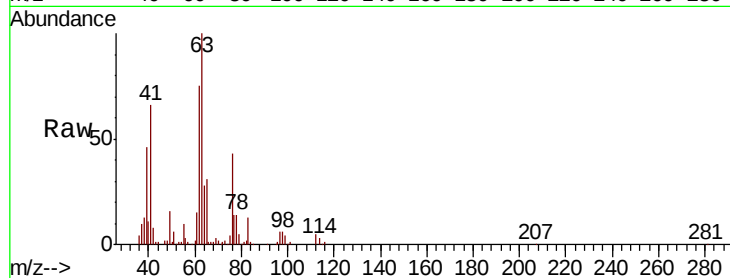
ClientSampleId :

Tot Ion: 63 Resp: 224974

Ion Ratio Lower Upper

63 100

65 31.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

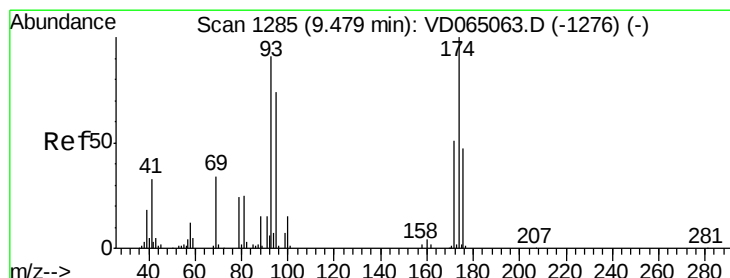
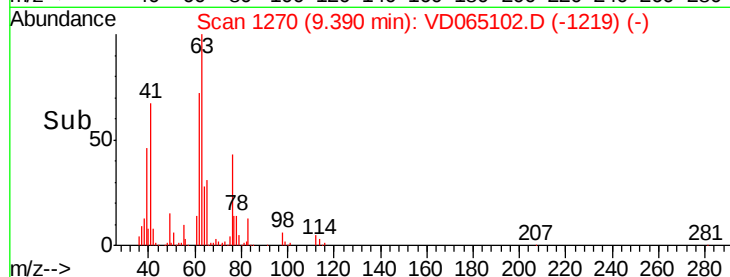
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 52.814 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

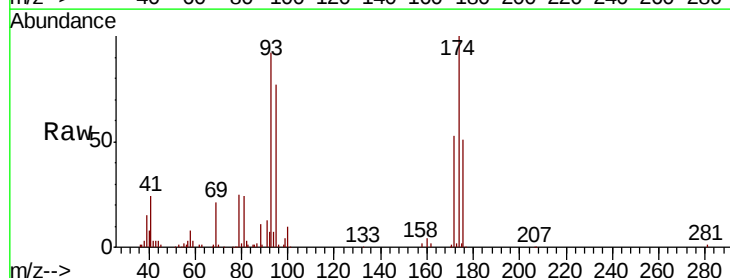
Tgt Ion: 93 Resp: 117571

Ion Ratio Lower Upper

93 100

95 82.2 66.5 99.7

174 108.4 89.8 134.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

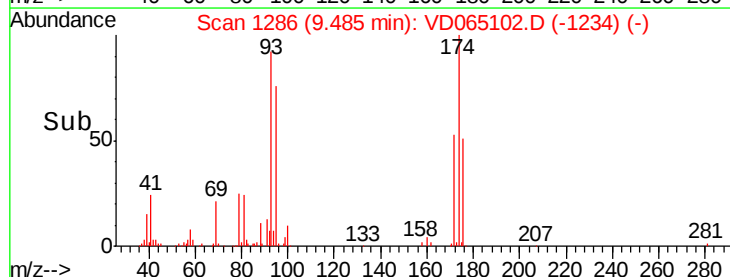
60000

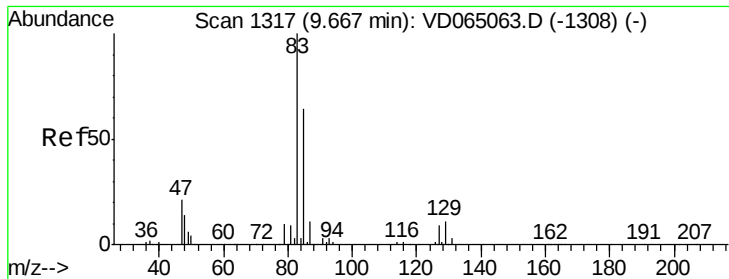
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 53.183 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :

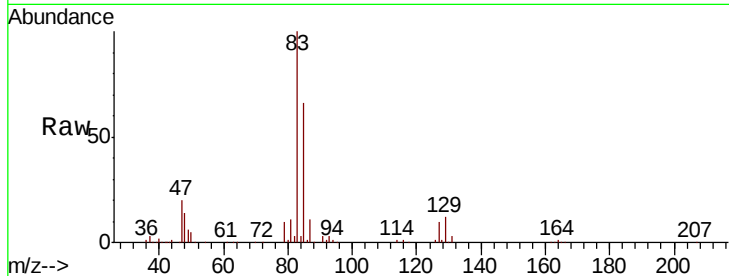
Tot Ion: 83 Resp: 311951

Ion Ratio Lower Upper

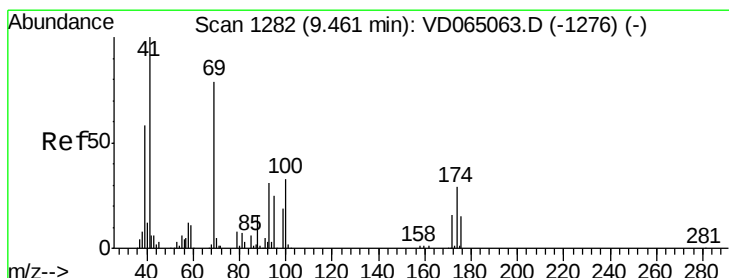
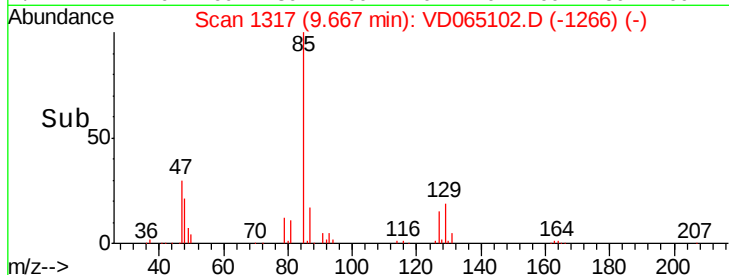
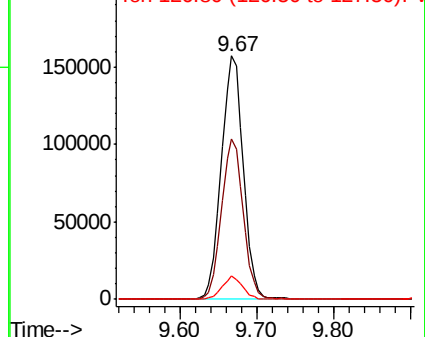
83 100

85 65.6 51.0 76.6

127 9.7 7.3 10.9



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



#48

Methyl methacrylate

Concen: 50.880 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

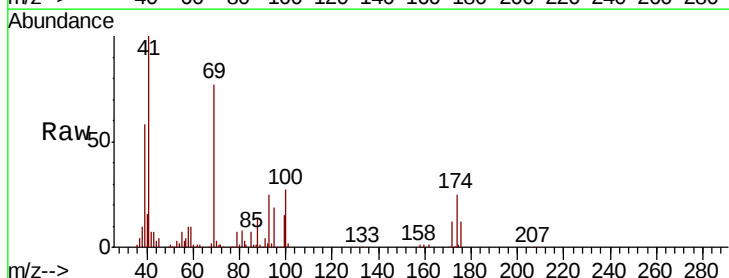
Tgt Ion: 41 Resp: 122426

Ion Ratio Lower Upper

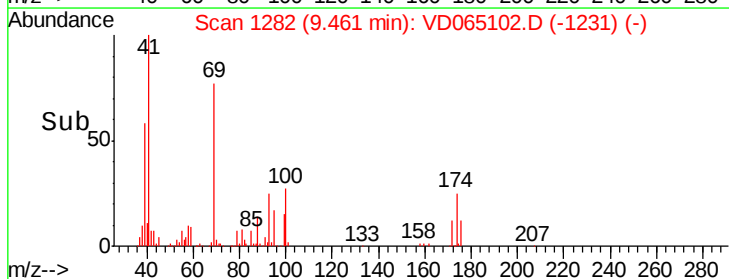
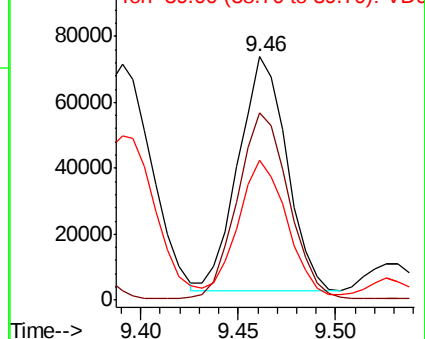
41 100

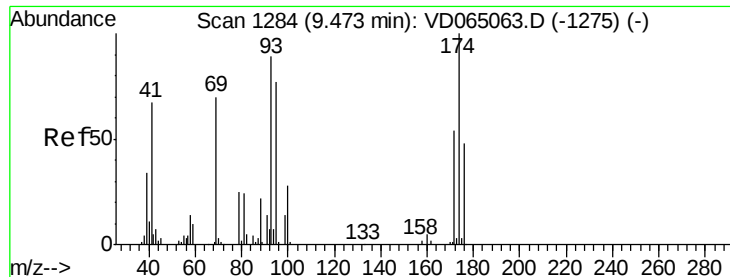
69 84.1 67.5 101.3

39 56.0 47.0 70.4



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

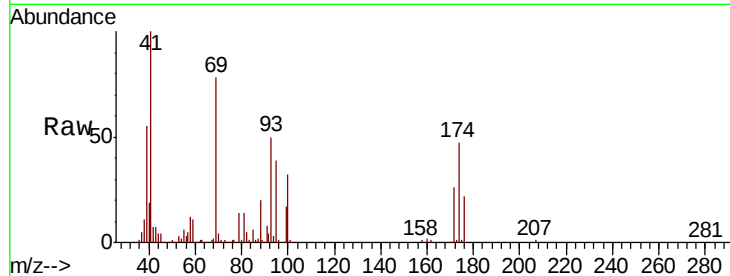




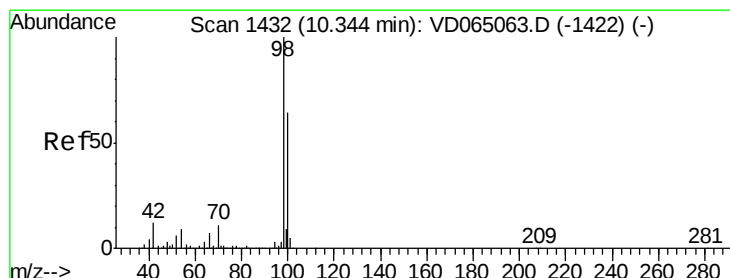
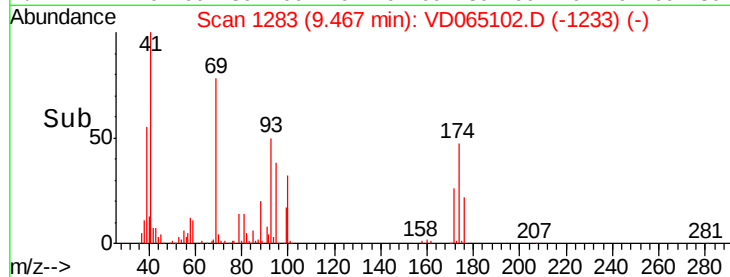
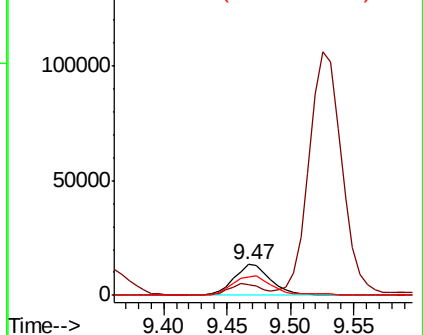
#49
1,4-Dioxane
Concen: 1028.531 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 27119
Ion Ratio Lower Upper
88 100
43 31.6 27.7 41.5
58 68.4 55.5 83.3

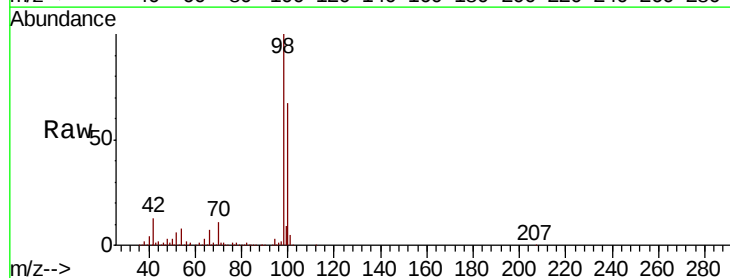


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

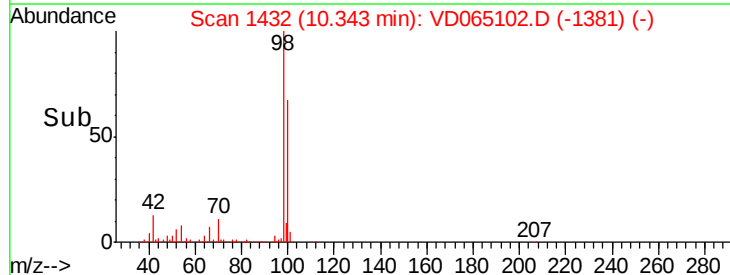
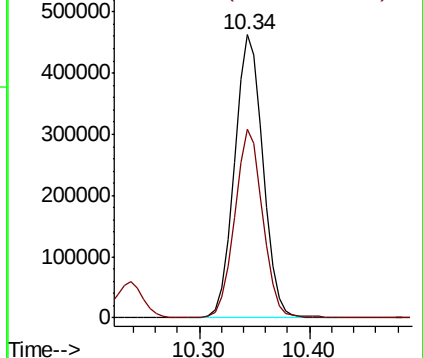


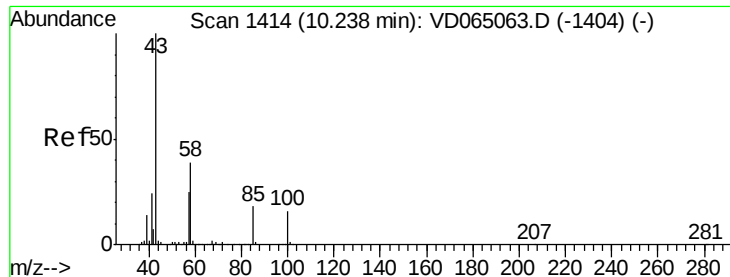
#50
Toluene-d8
Concen: 54.892 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 98 Resp: 838825
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 265.324 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

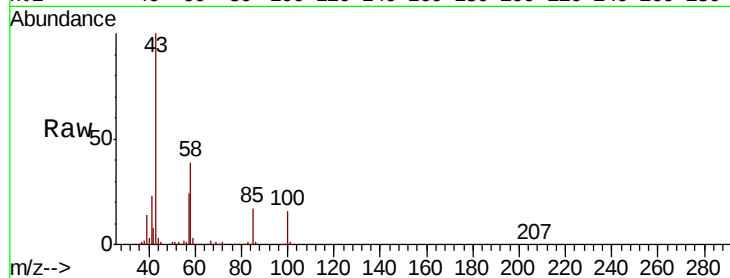
ClientSampleId :

Tot Ion: 43 Resp: 653036

Ion Ratio Lower Upper

43 100

58 37.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

400000

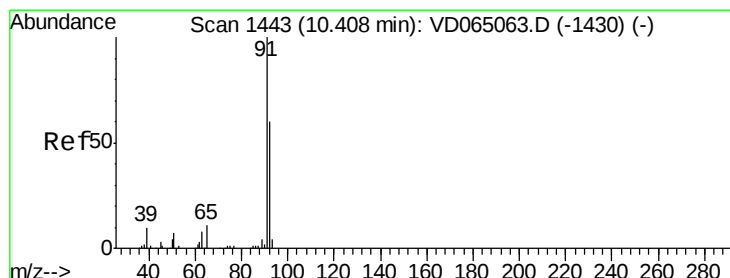
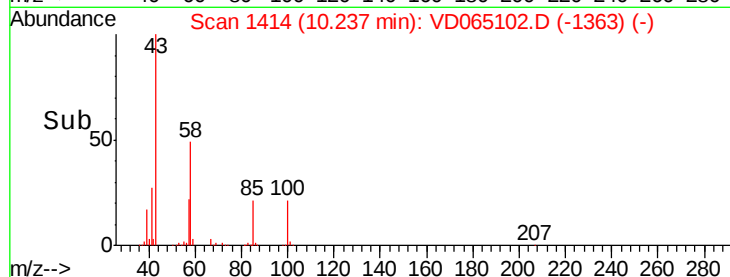
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.463 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065102.D

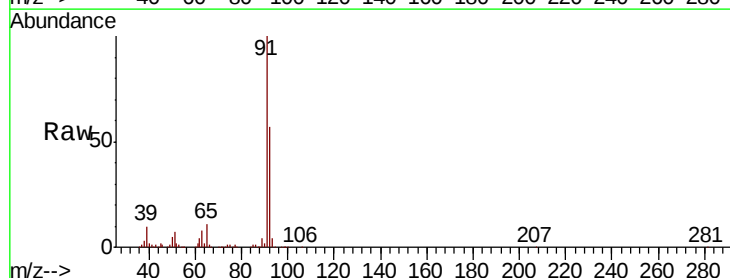
Acq: 07 Feb 2020 11:15

Tgt Ion: 92 Resp: 602911

Ion Ratio Lower Upper

92 100

91 171.9 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

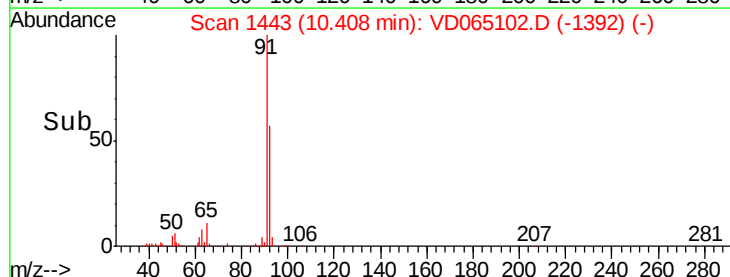
600000

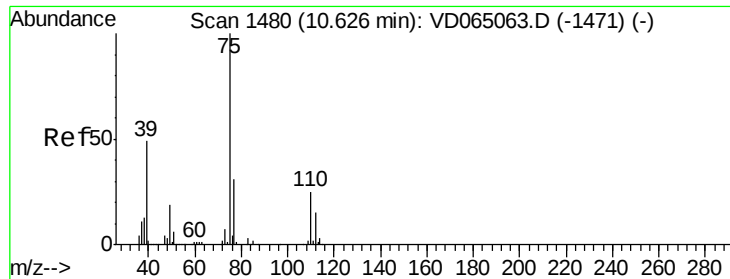
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.074 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

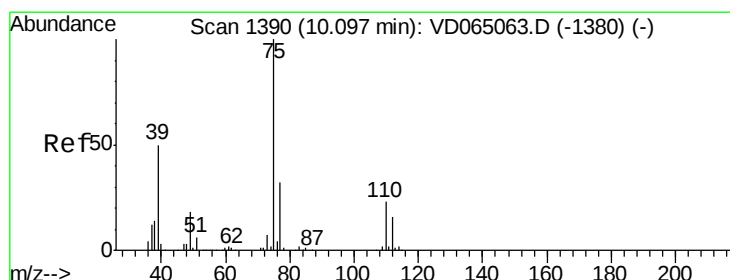
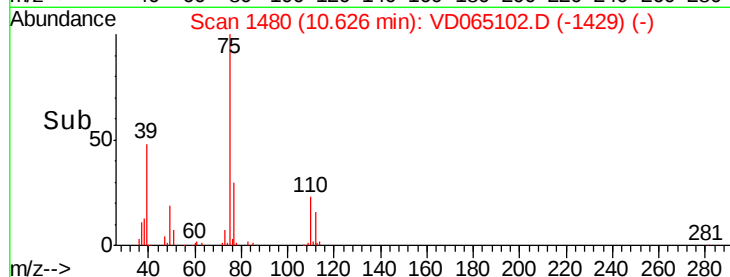
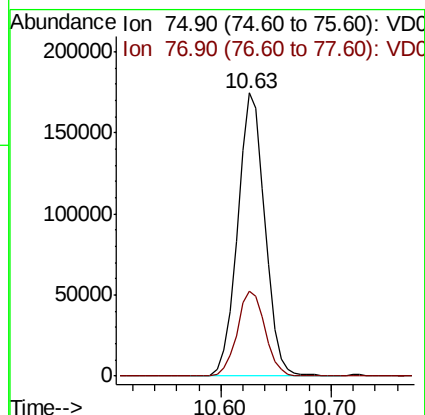
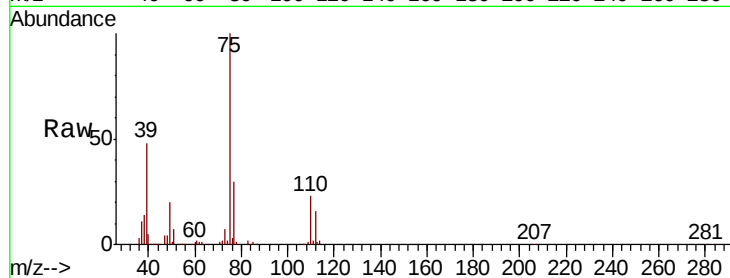
ClientSampleId :

Tot Ion: 75 Resp: 303104

Ion Ratio Lower Upper

75 100

77 29.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 52.969 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

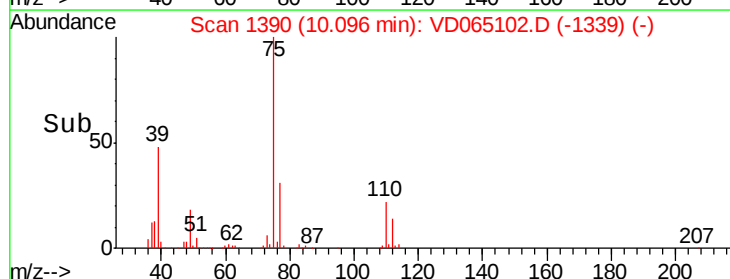
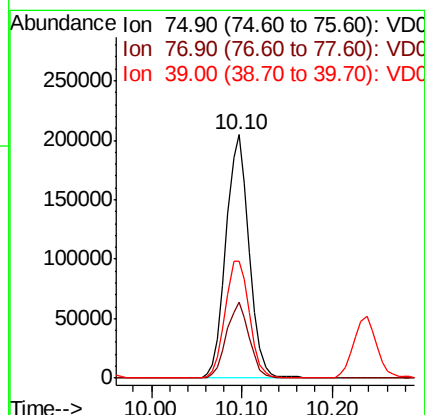
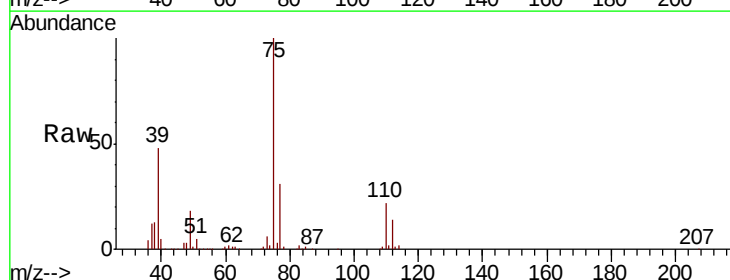
Tgt Ion: 75 Resp: 361796

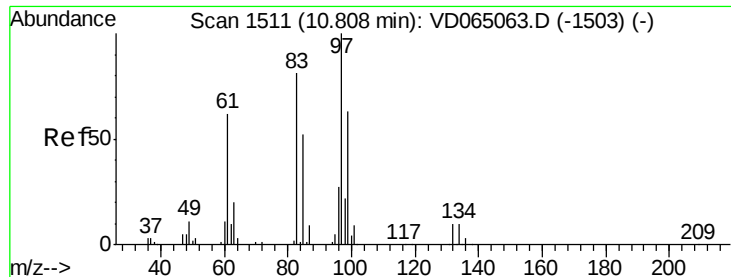
Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9

39 47.9 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 51.846 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 158308

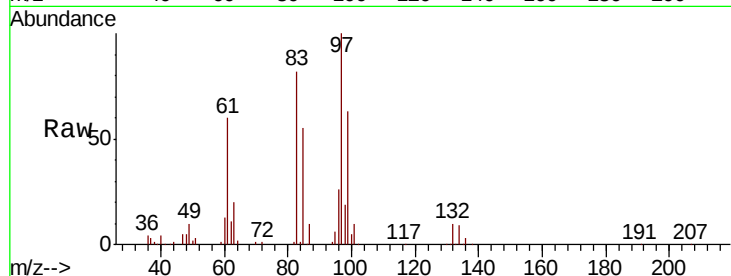
Ion Ratio Lower Upper

97 100

83 81.8 64.8 97.2

85 54.9 41.2 61.8

99 63.3 50.3 75.5

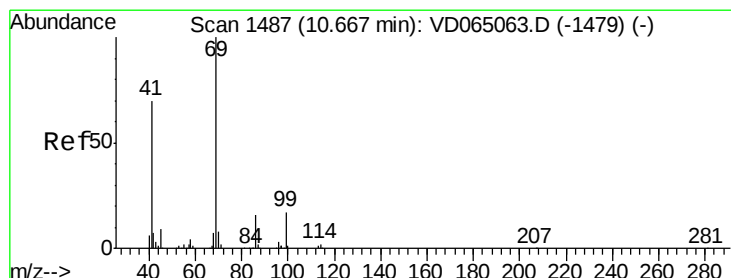
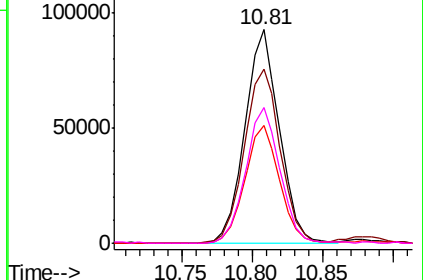
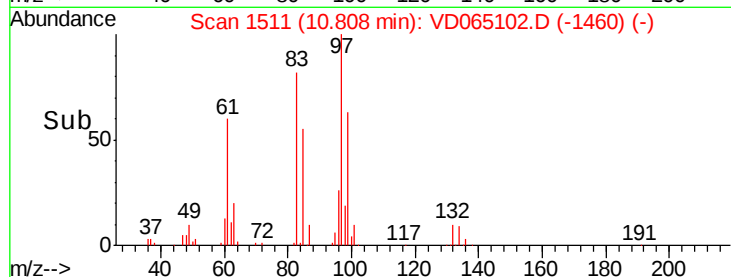


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 51.968 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

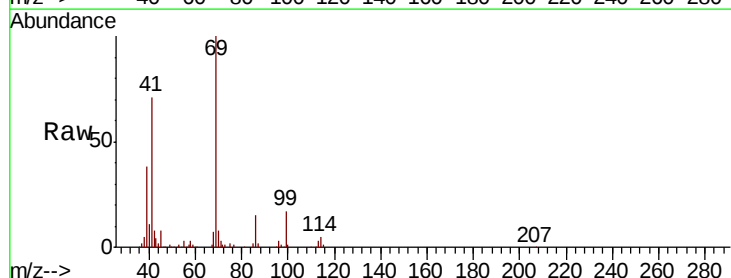
Tgt Ion: 69 Resp: 200777

Ion Ratio Lower Upper

69 100

41 71.1 55.9 83.9

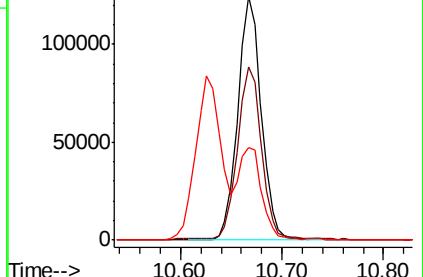
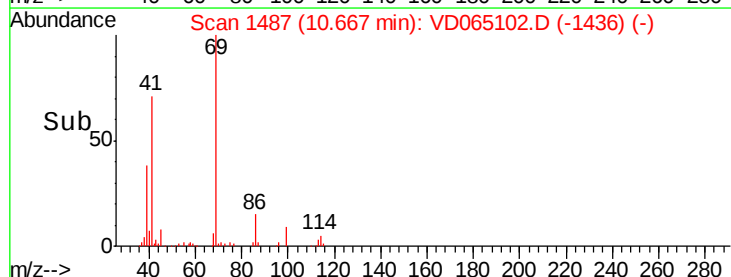
39 37.8 29.4 44.0

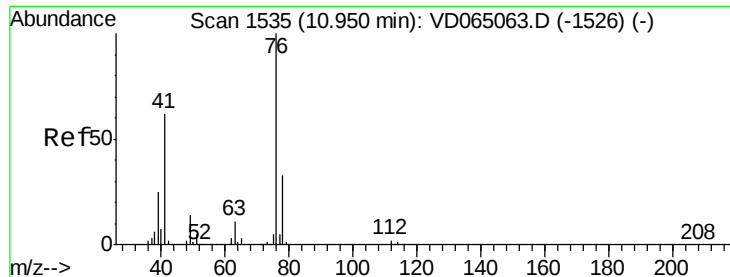


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.276 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

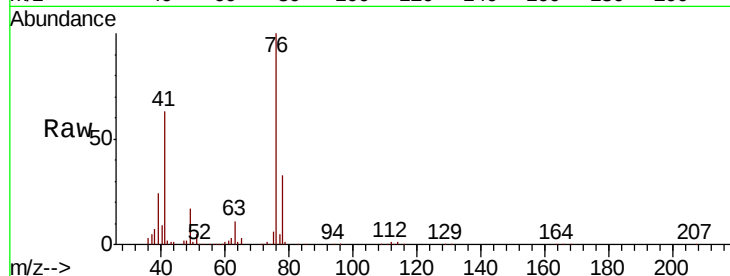
ClientSampleId :

Tot Ion: 76 Resp: 280680

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.96

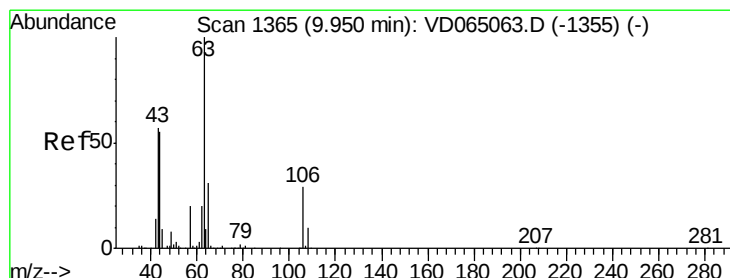
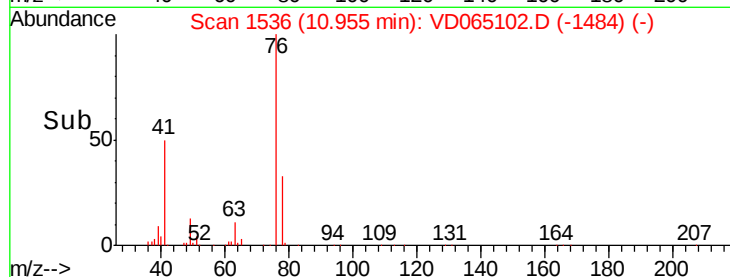
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 250.368 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065102.D

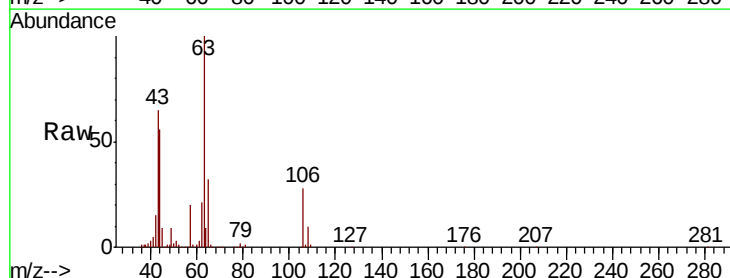
Acq: 07 Feb 2020 11:15

Tgt Ion: 63 Resp: 312493

Ion Ratio Lower Upper

63 100

106 28.0 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.95

200000

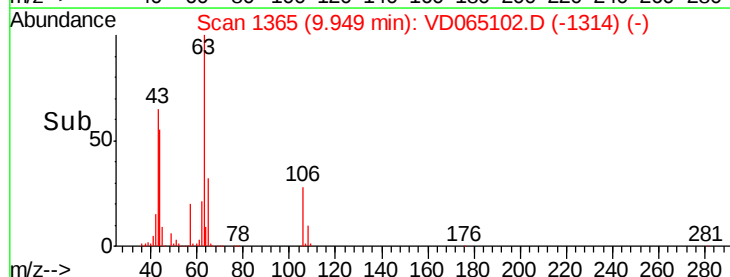
150000

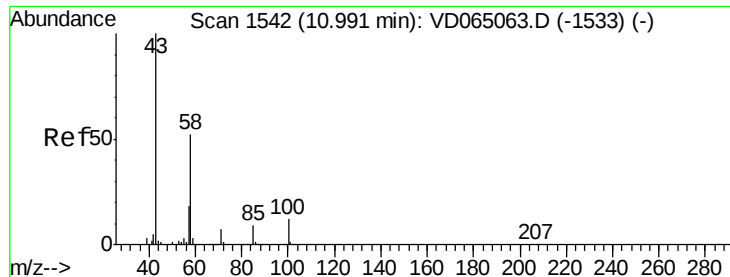
100000

50000

0

Time-->

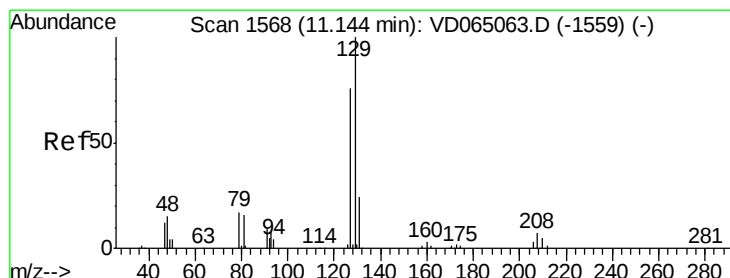
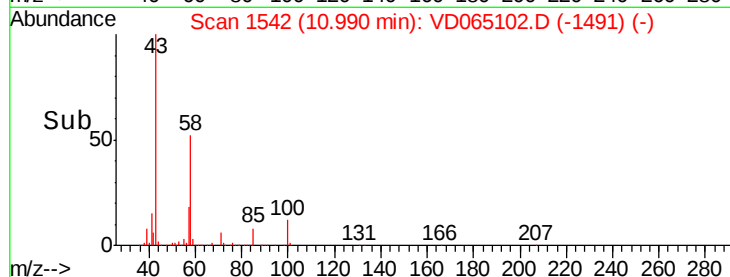
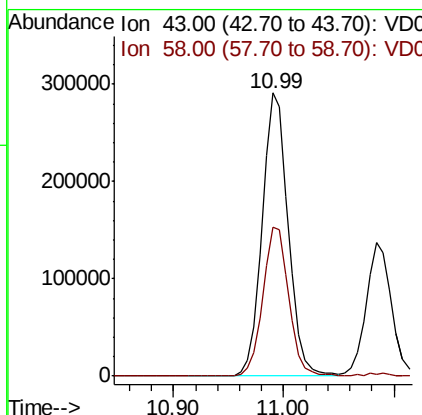
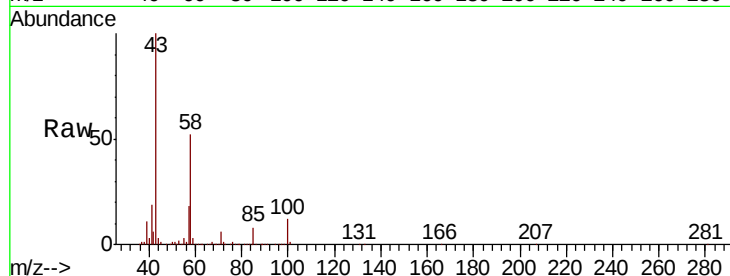




#59
2-Hexanone
Concen: 275.342 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

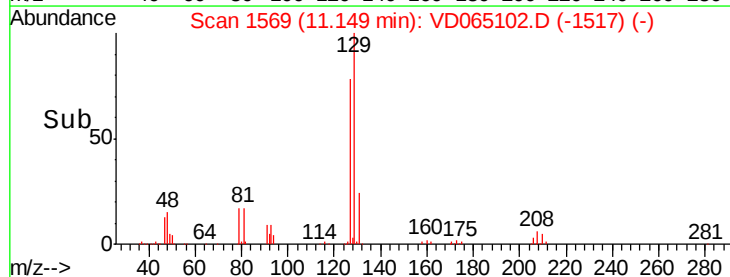
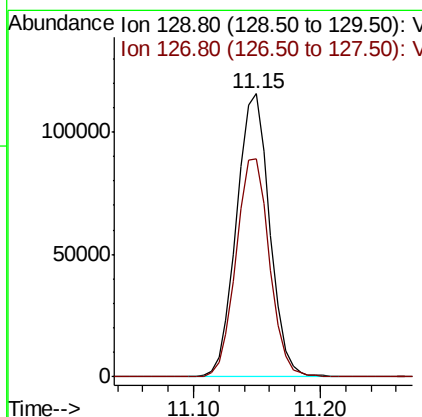
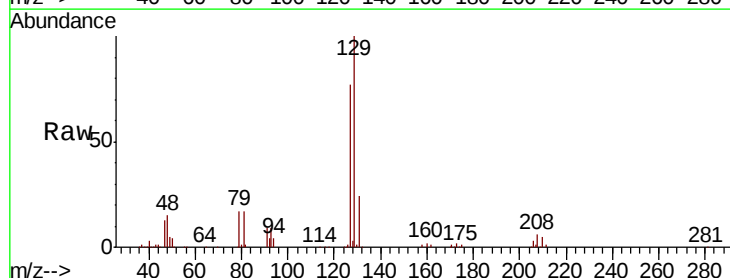
Instrument :
MSVOA_D
ClientSampleId :

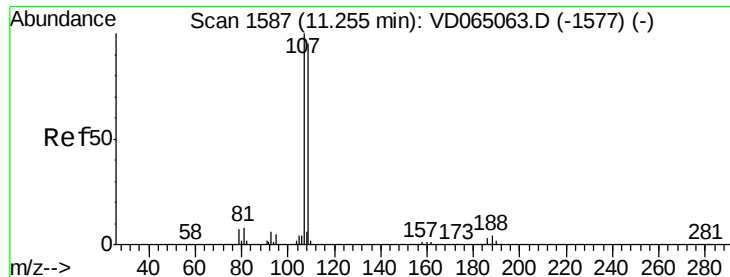
Tot Ion: 43 Resp: 480025
Ion Ratio Lower Upper
43 100
58 52.5 26.2 78.6



#60
Dibromochloromethane
Concen: 53.093 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 129 Resp: 209981
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9

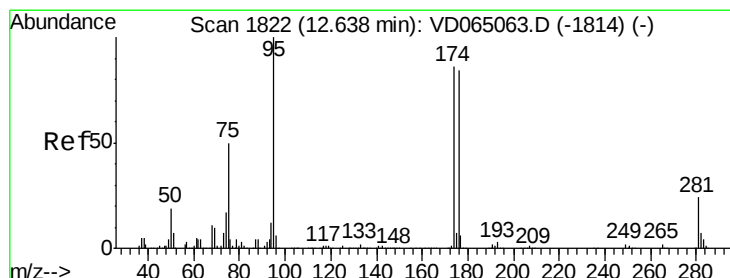
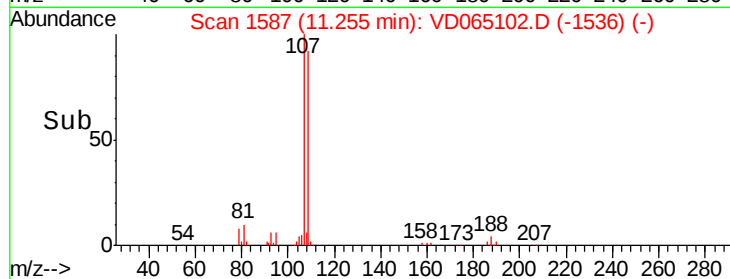
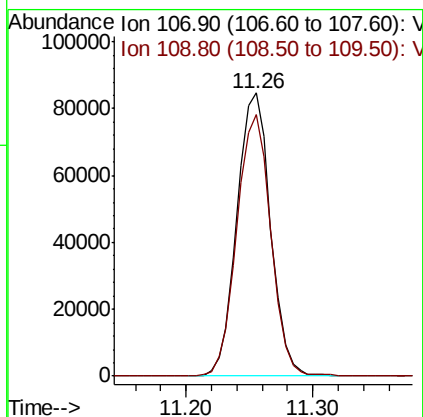
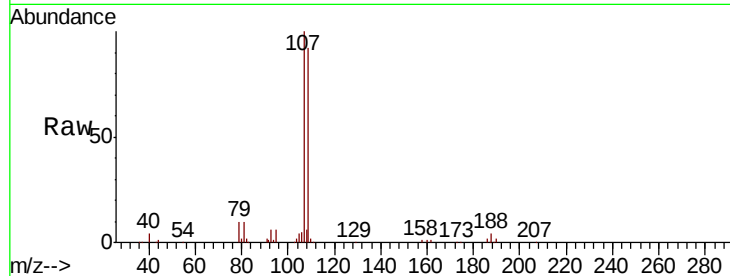




#61
 1,2-Dibromoethane
 Concen: 52.168 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

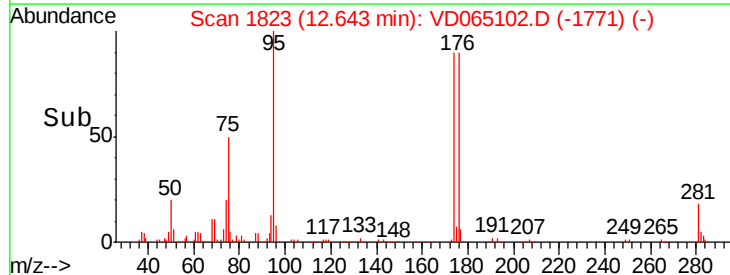
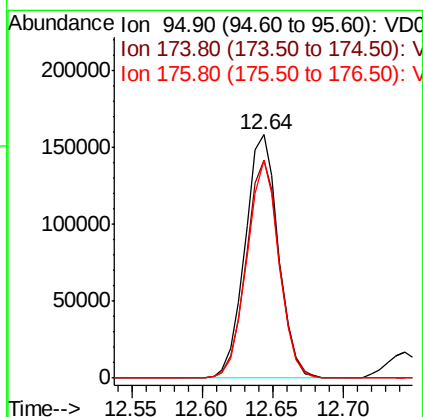
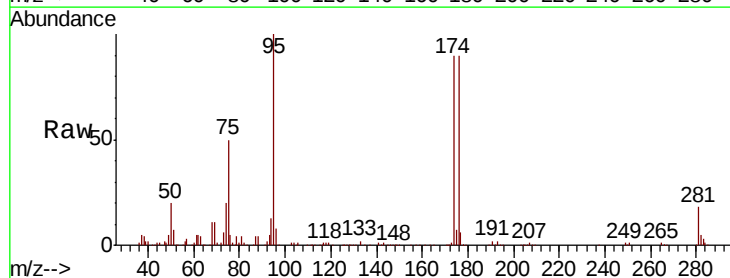
Instrument :
 MSVOA_D
 ClientSampleId :

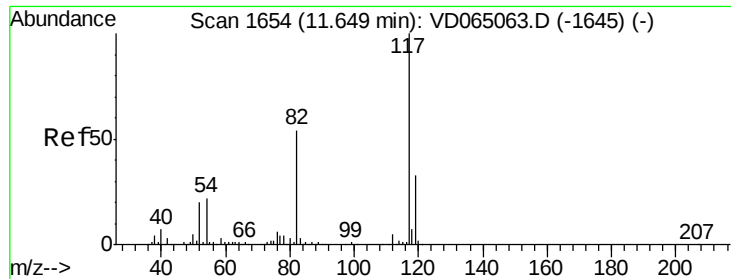
Tot Ion: 107 Resp: 155646
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 54.047 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion: 95 Resp: 261700
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 180.0
 176 86.6 0.0 173.2

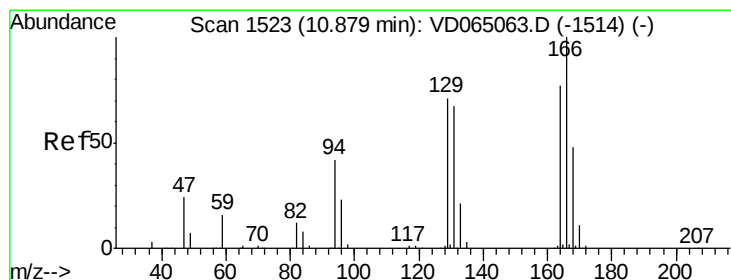
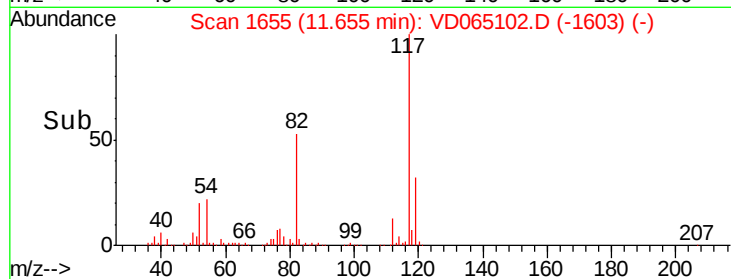
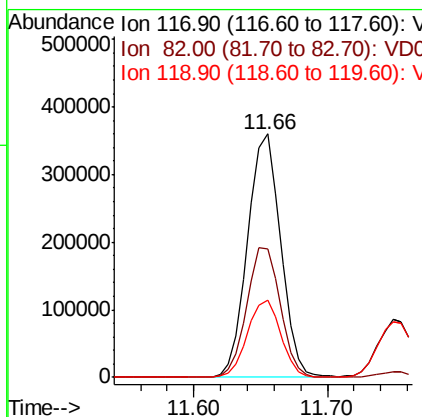
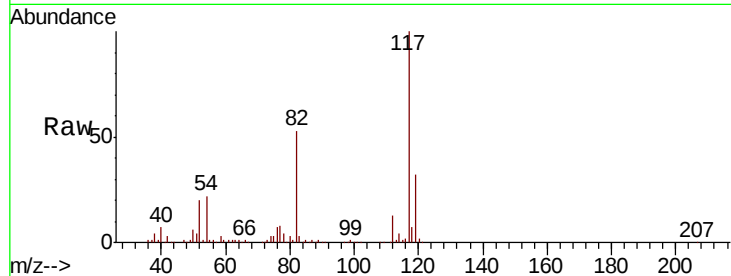




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

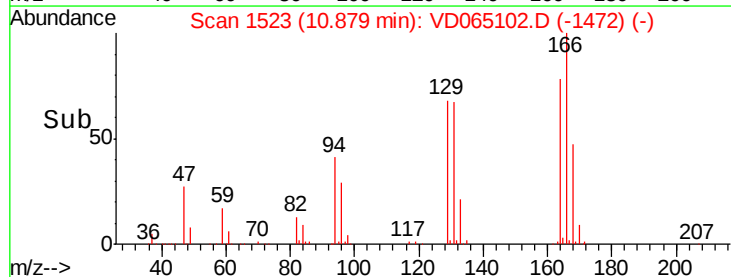
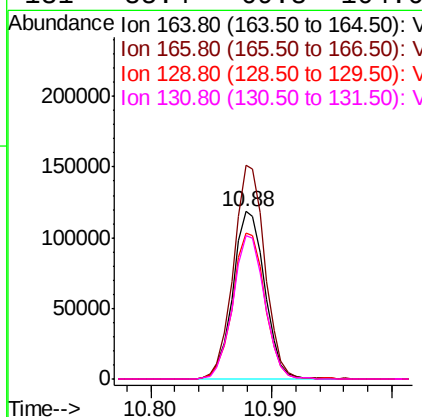
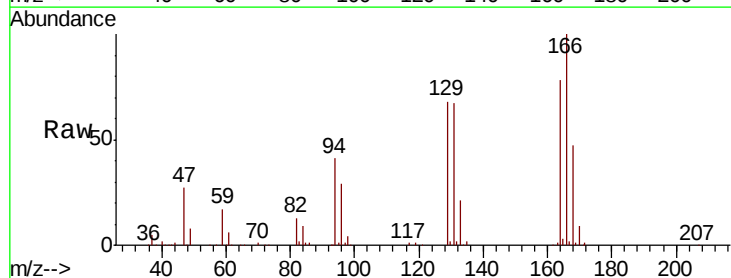
Instrument :
MSVOA_D
ClientSampleID :

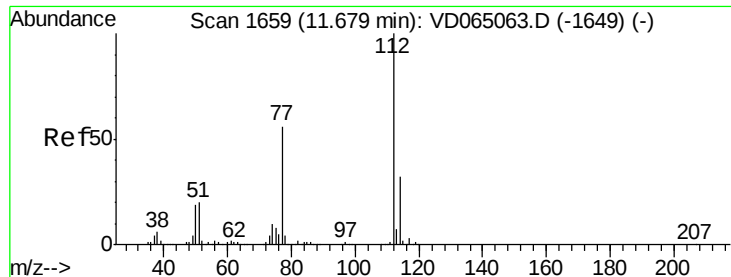
Tot Ion:117 Resp: 617750
Ion Ratio Lower Upper
117 100
82 52.9 43.1 64.7
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 49.018 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion:164 Resp: 217585
Ion Ratio Lower Upper
164 100
166 127.6 103.5 155.3
129 87.3 73.3 109.9
131 85.4 69.8 104.6

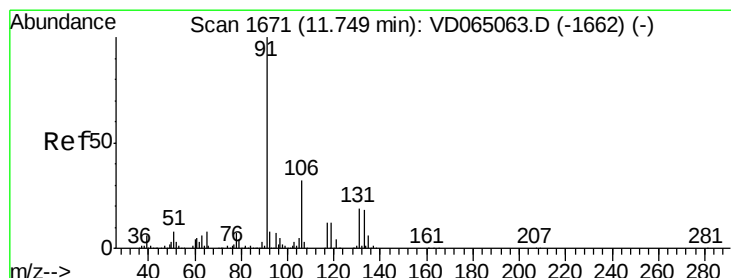
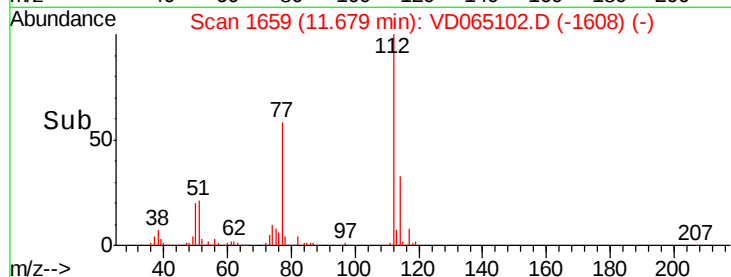
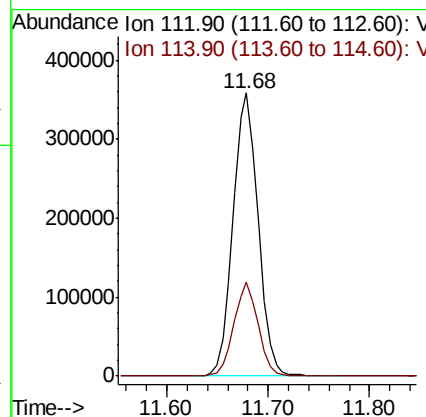
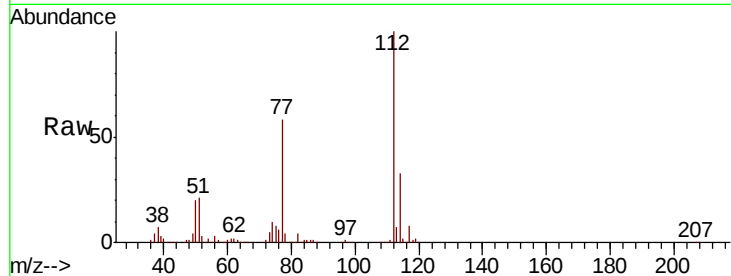




#65
Chlorobenzene
Concen: 51.387 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

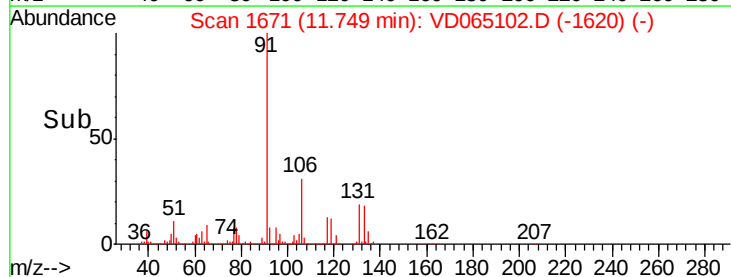
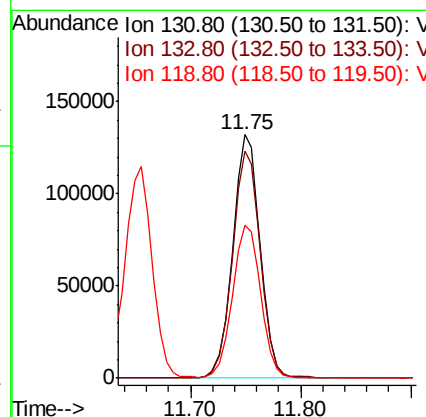
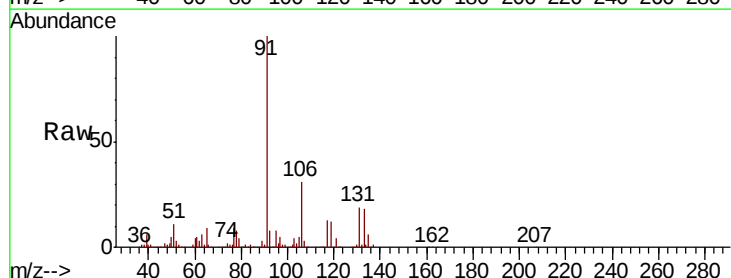
Instrument :
MSVOA_D
ClientSampled :

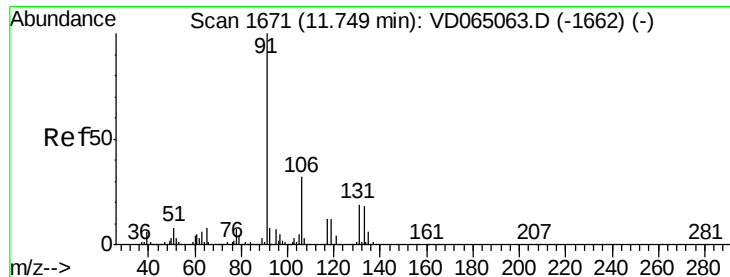
Tot Ion:112 Resp: 613990
Ion Ratio Lower Upper
112 100
114 33.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.880 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion:131 Resp: 228784
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 65.1 31.3 93.8





#67

Ethyl Benzene

Concen: 52.492 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

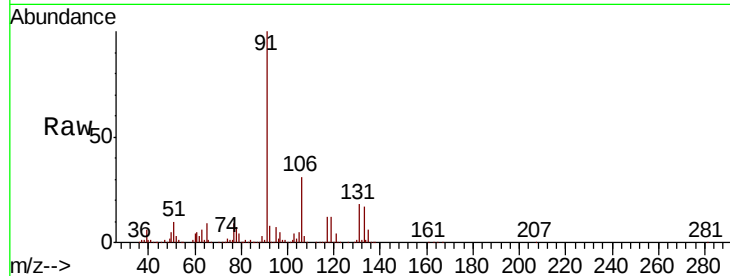
ClientSampled :

Tot Ion: 91 Resp: 1139485

Ion Ratio Lower Upper

91 100

106 31.4 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

1000000

800000

600000

400000

200000

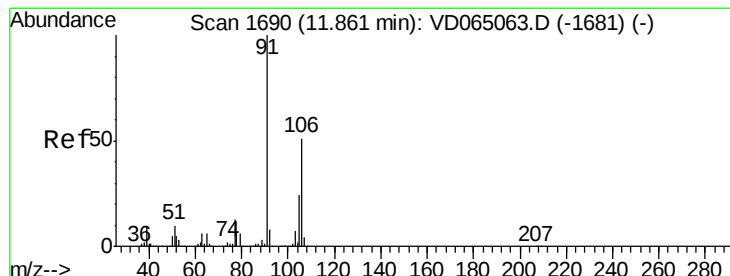
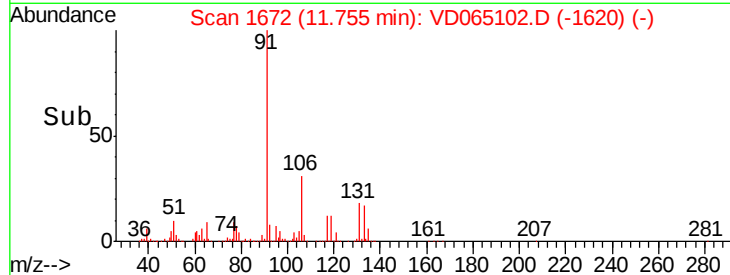
0

11.76

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 106.470 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065102.D

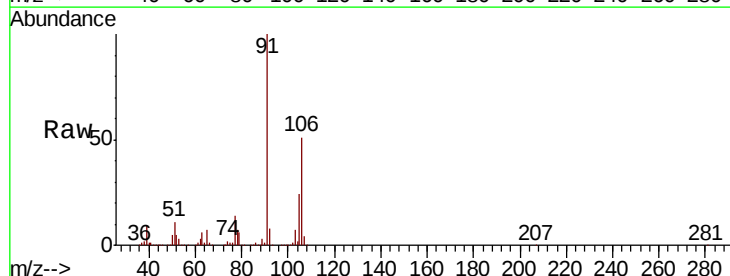
Acq: 07 Feb 2020 11:15

Tgt Ion:106 Resp: 882130

Ion Ratio Lower Upper

106 100

91 197.0 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

400000

200000

0

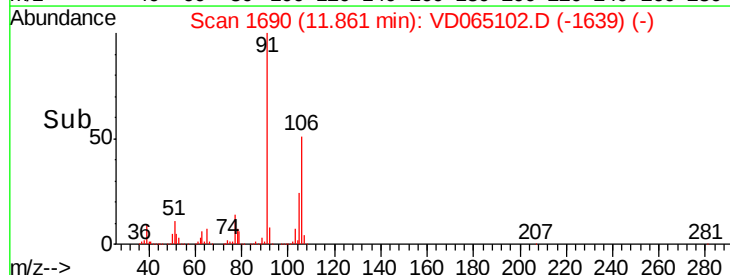
11.86

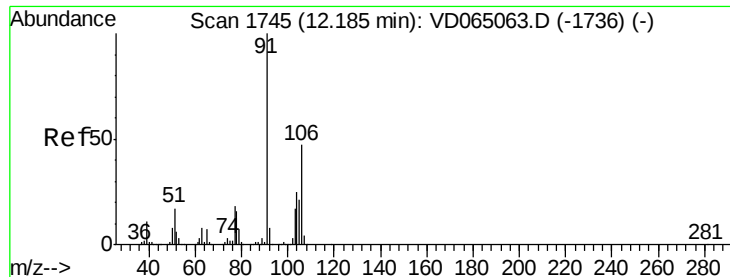
11.80

11.90

12.00

Time-->

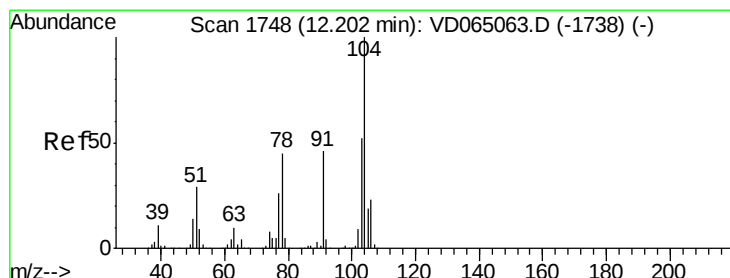
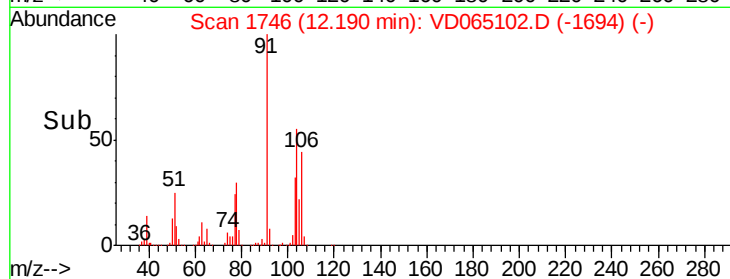
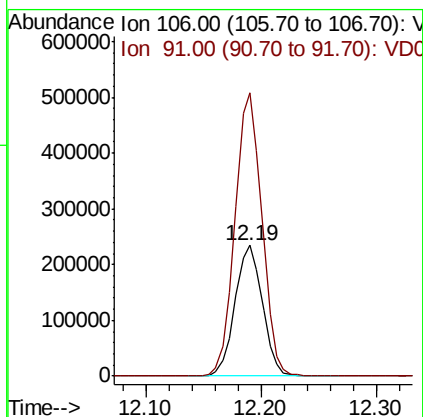
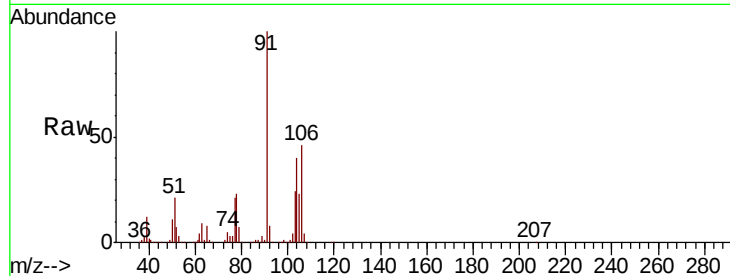




#69
o-Xylene
Concen: 51.717 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

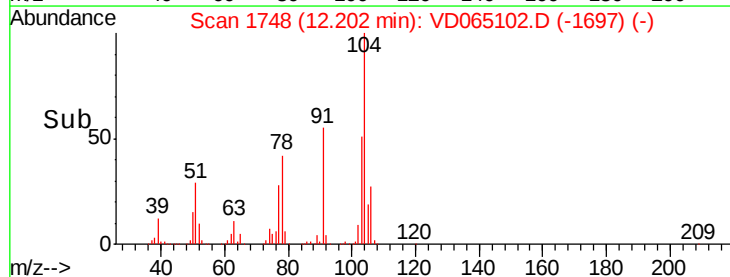
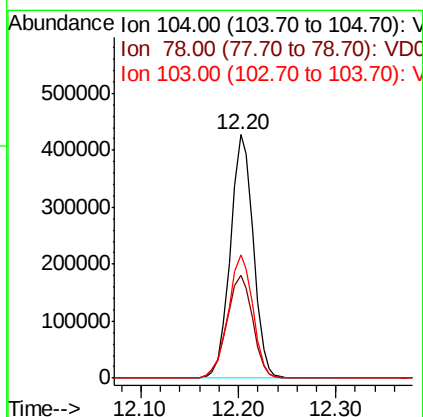
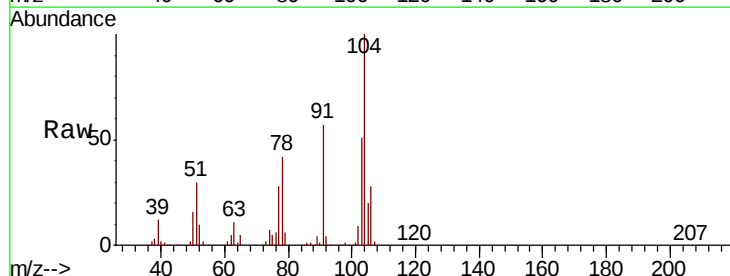
Instrument :
MSVOA_D
ClientSampled :

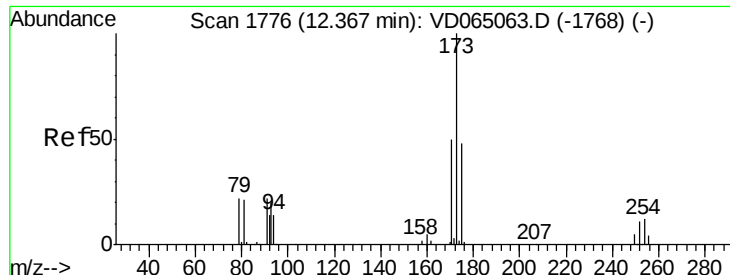
Tot Ion:106 Resp: 385858
Ion Ratio Lower Upper
106 100
91 212.7 104.7 313.9



#70
Styrene
Concen: 53.683 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion:104 Resp: 696123
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 54.4 43.8 65.8

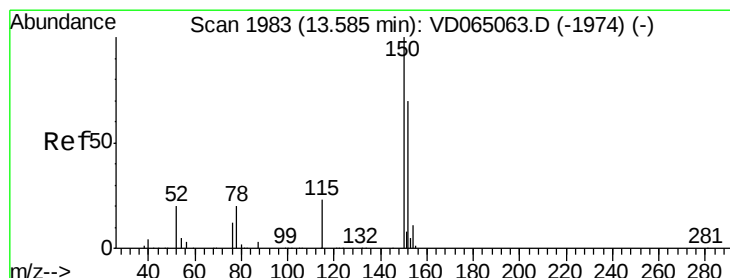
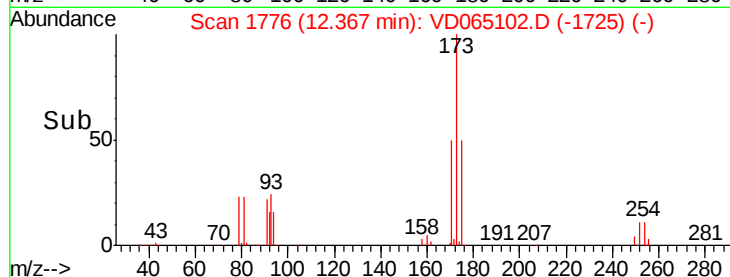
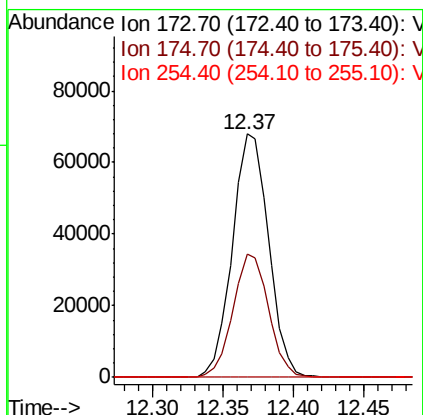
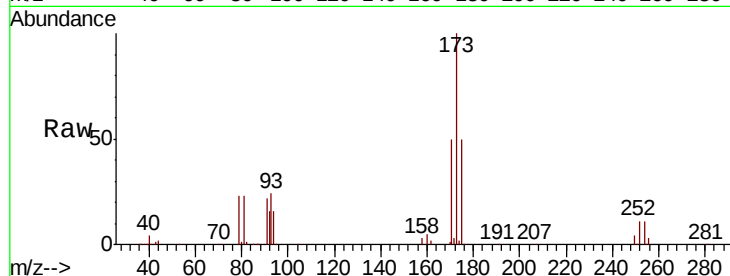




#71
Bromoform
Concen: 51.501 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

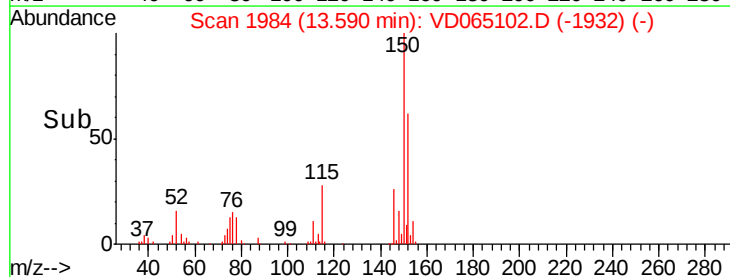
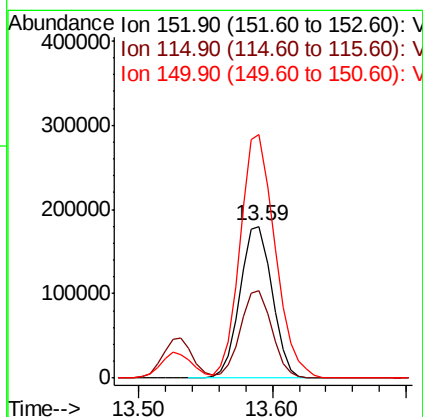
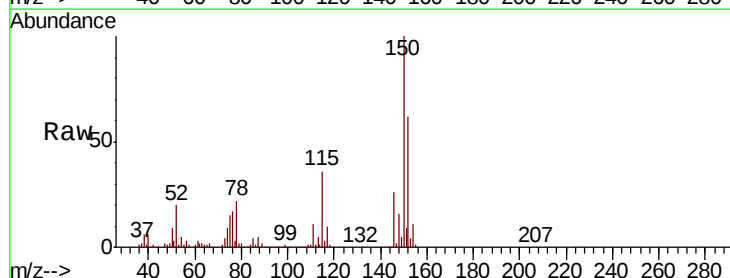
Instrument :
MSVOA_D
ClientSampleId :

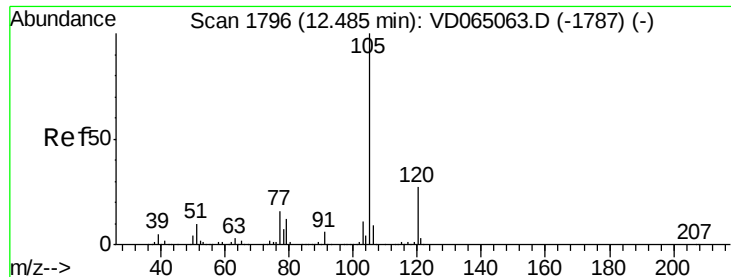
Tot Ion:173 Resp: 122242
Ion Ratio Lower Upper
173 100
175 49.6 24.3 72.8
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion:152 Resp: 300925
Ion Ratio Lower Upper
152 100
115 56.2 27.5 82.4
150 173.7 0.0 343.2





#73

Isopropylbenzene

Concen: 51.525 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

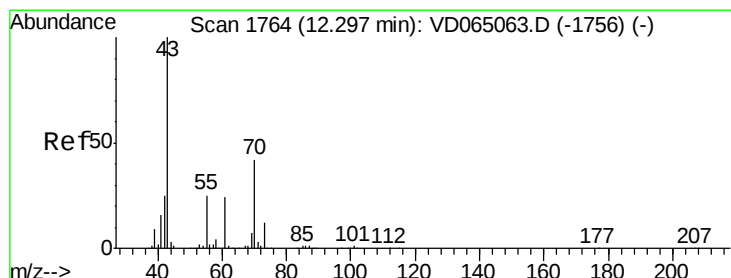
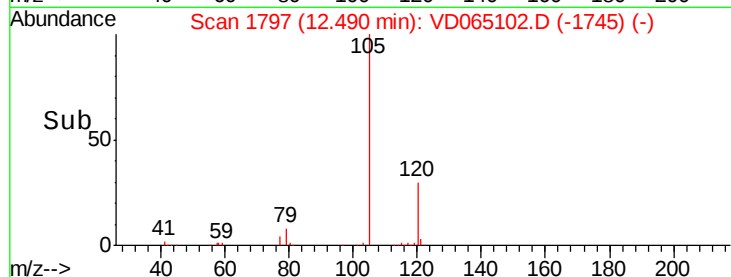
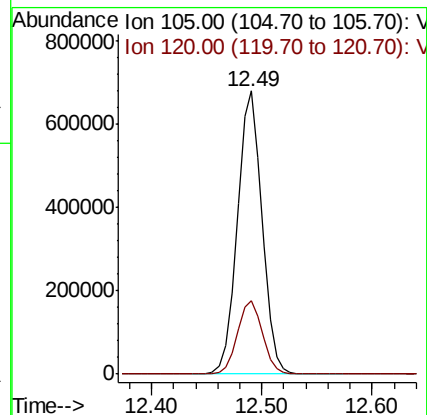
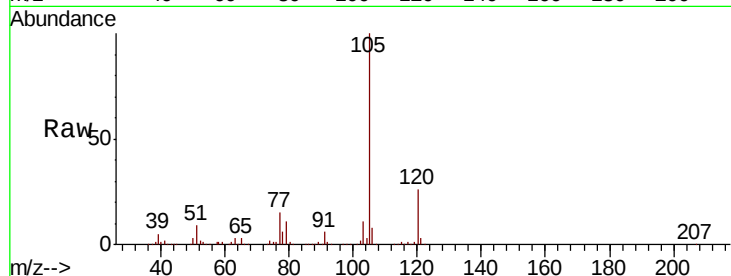
ClientSampleId :

Tot Ion:105 Resp: 1064224

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#74

N-ethyl acetate

Concen: 51.449 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion: 43 Resp: 230972

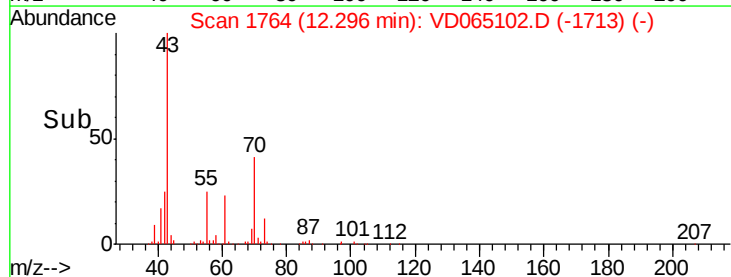
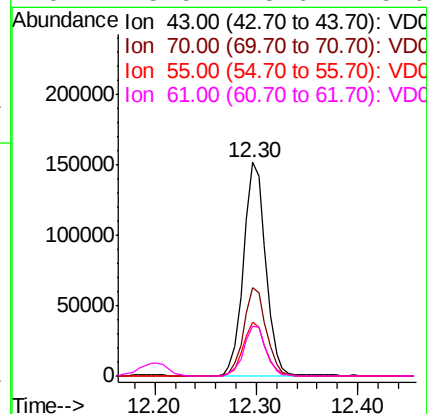
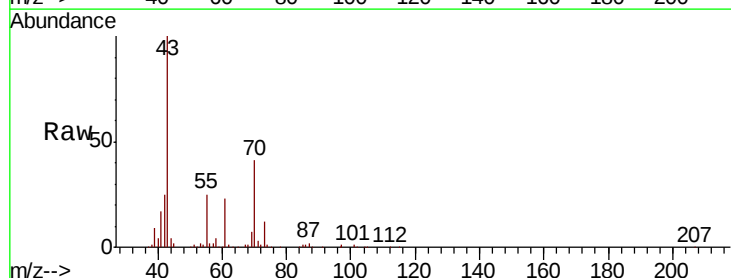
Ion Ratio Lower Upper

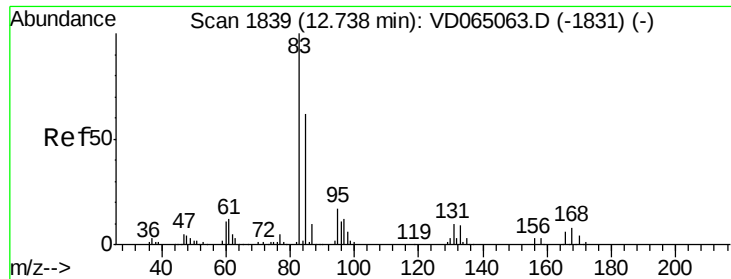
43 100

70 41.7 33.5 50.3

55 25.1 19.4 29.2

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.406 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

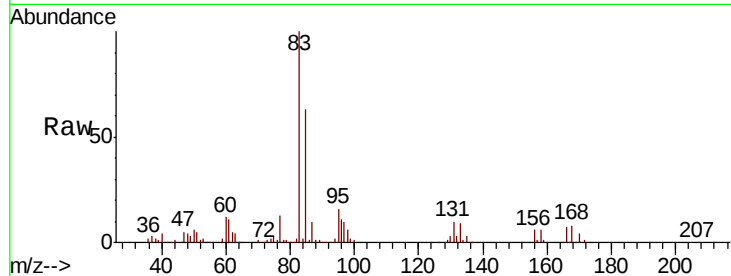
Tot Ion: 83 Resp: 170355

Ion Ratio Lower Upper

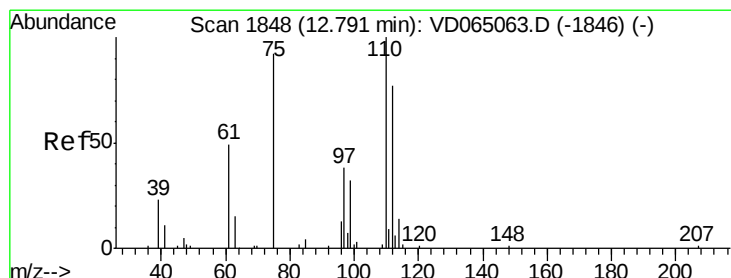
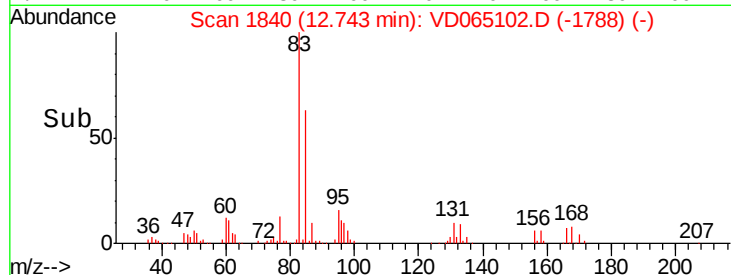
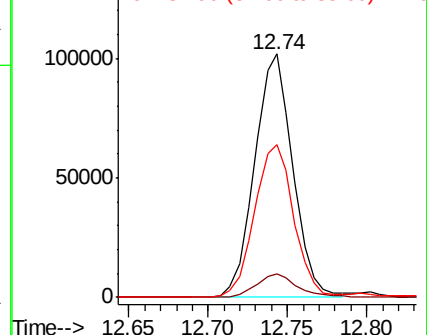
83 100

131 10.3 5.5 16.4

85 64.6 31.8 95.4



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: 100.027 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VD065102.D

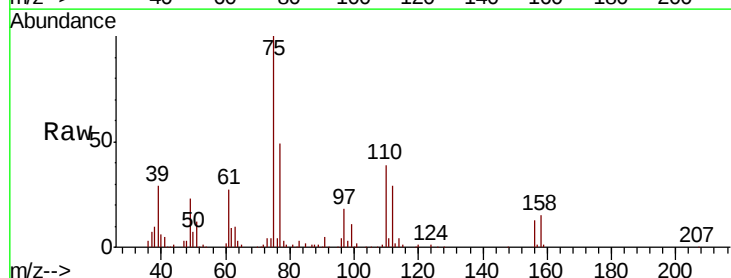
Acq: 07 Feb 2020 11:15

Tgt Ion: 75 Resp: 227894

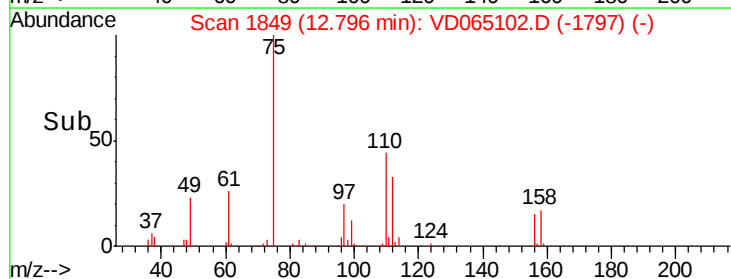
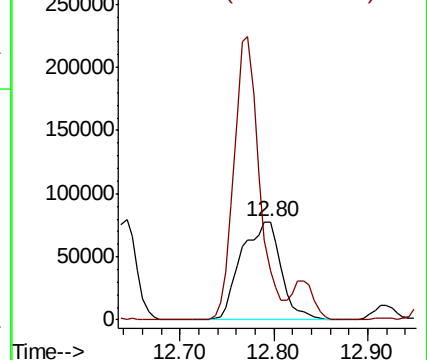
Ion Ratio Lower Upper

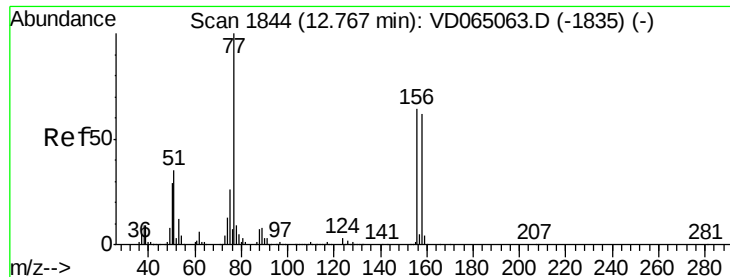
75 100

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: 49.940 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

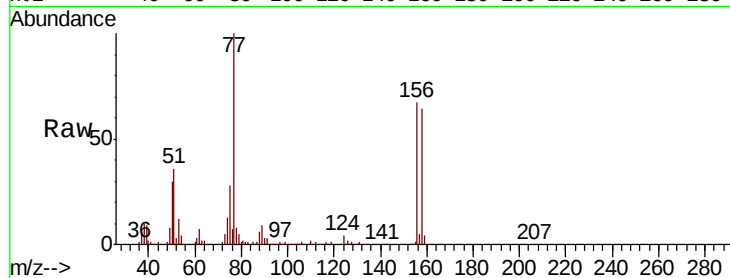
Tot Ion:156 Resp: 248516

Ion Ratio Lower Upper

156 100

77 170.7 85.6 256.8

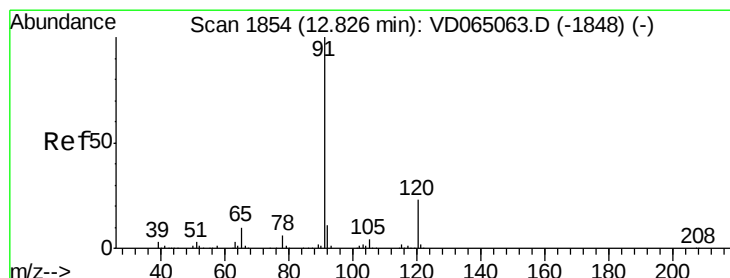
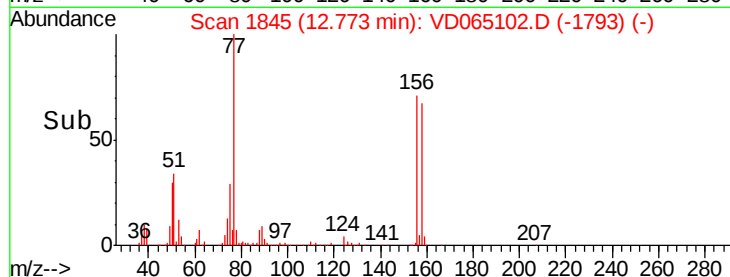
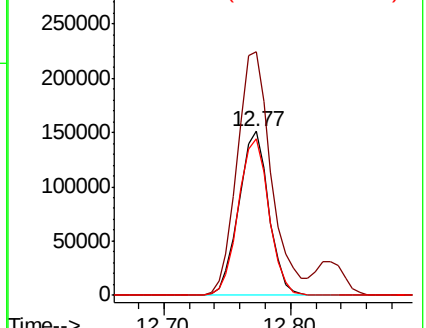
158 96.7 47.4 142.2



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: 52.700 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065102.D

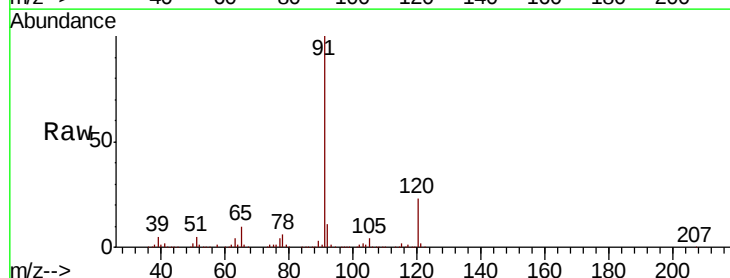
Acq: 07 Feb 2020 11:15

Tgt Ion: 91 Resp: 1274715

Ion Ratio Lower Upper

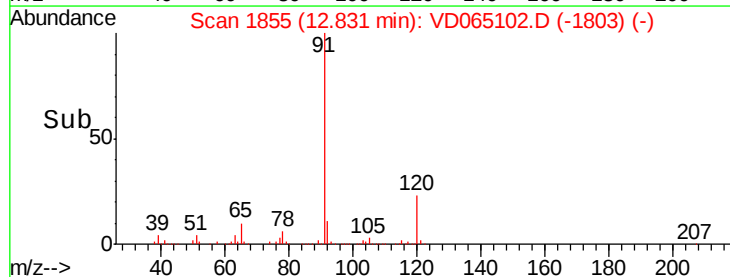
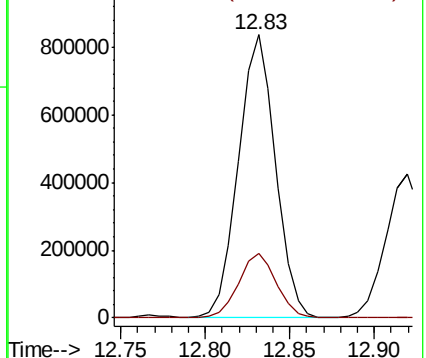
91 100

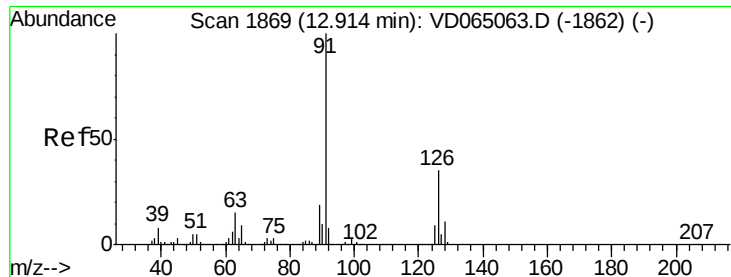
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

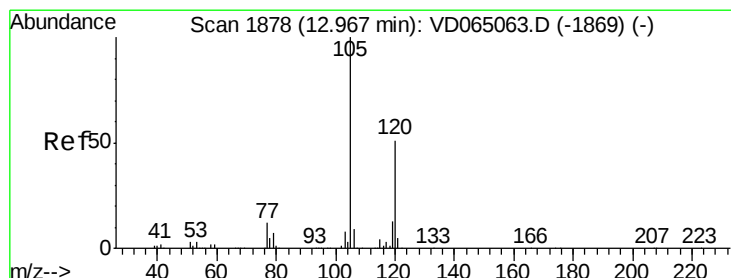
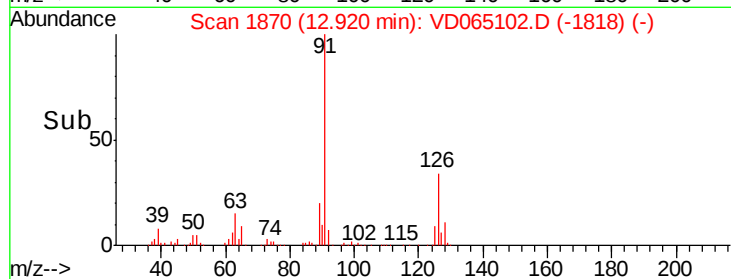
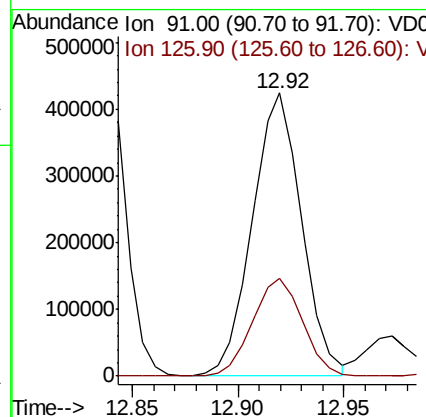
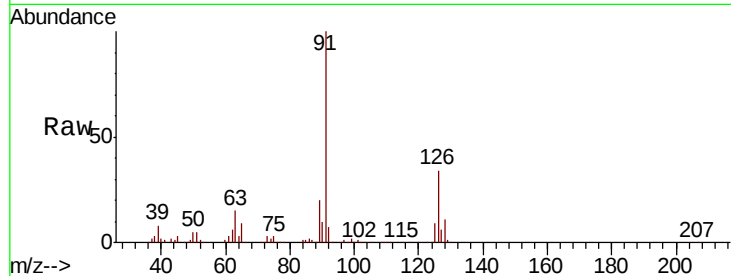




#79
 2-Chlorotoluene
 Concen: 50.754 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

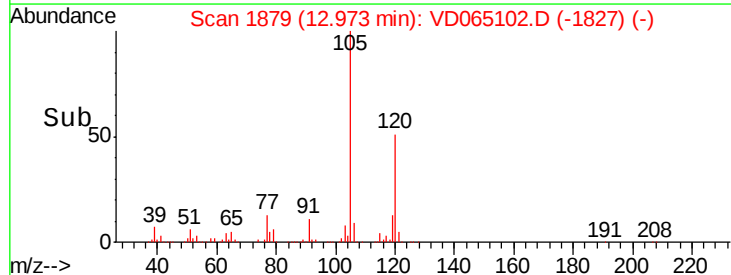
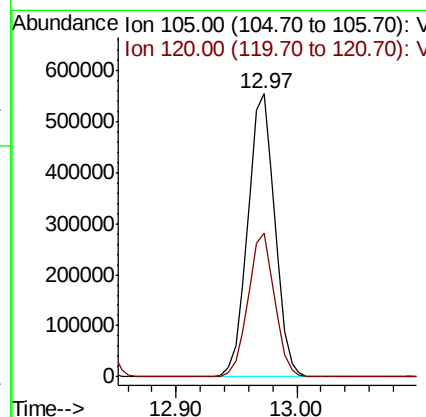
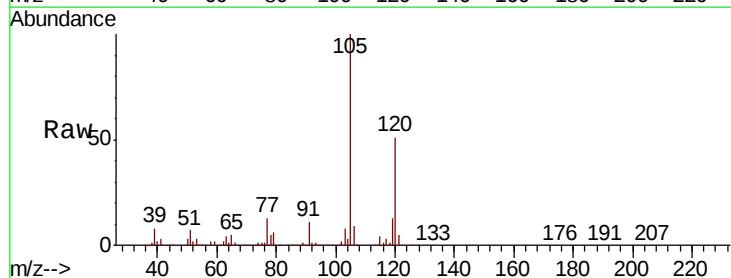
Instrument :
 MSVOA_D
 ClientSampled :

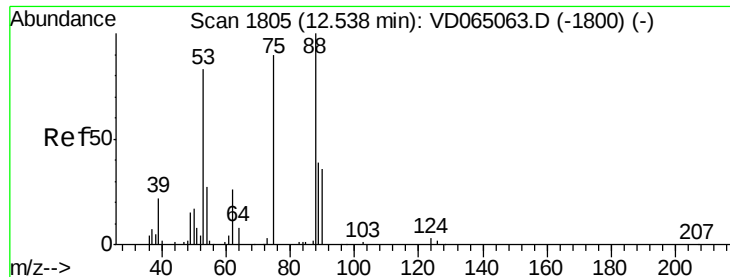
Tot Ion: 91 Resp: 684307
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 51.342 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. 0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion: 105 Resp: 867543
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.528 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

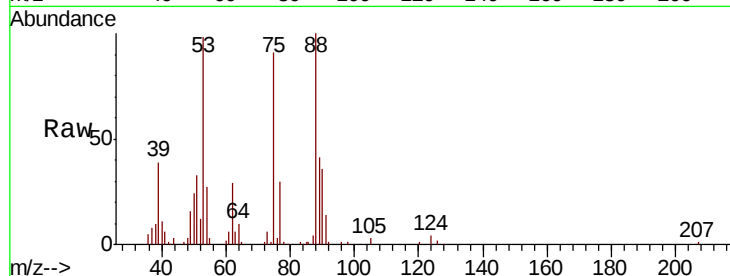
Tot Ion: 75 Resp: 58701

Ion Ratio Lower Upper

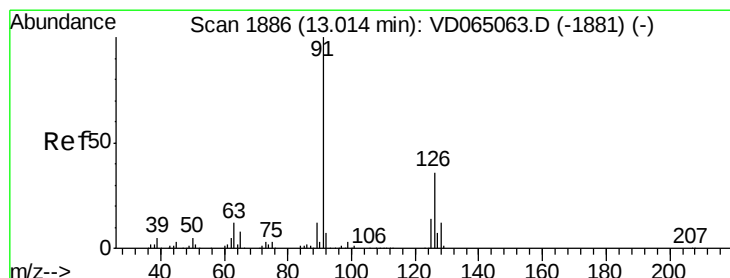
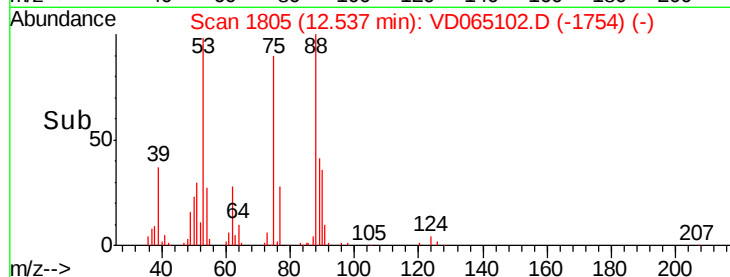
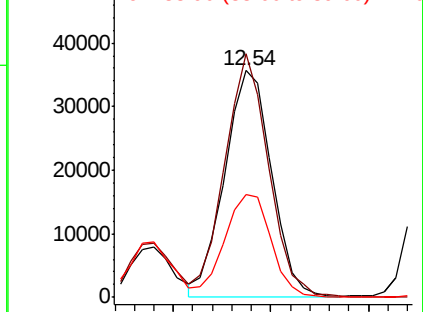
75 100

53 101.7 78.5 117.7

89 45.7 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.050 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065102.D

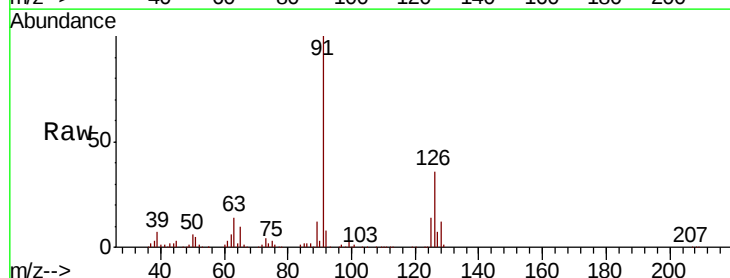
Acq: 07 Feb 2020 11:15

Tgt Ion: 91 Resp: 722875

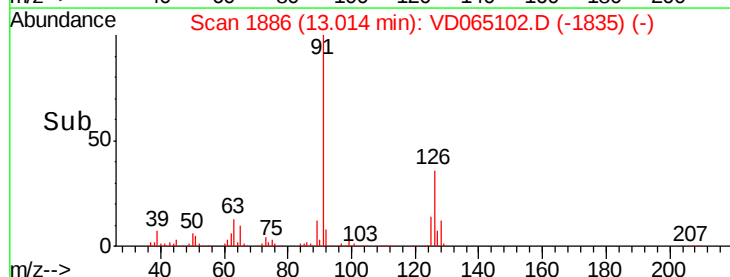
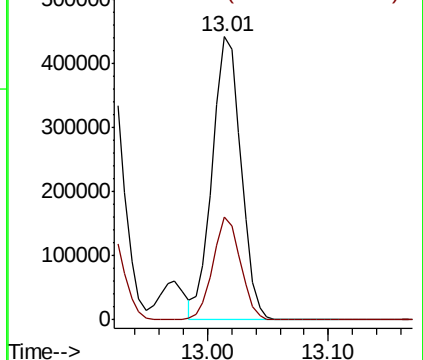
Ion Ratio Lower Upper

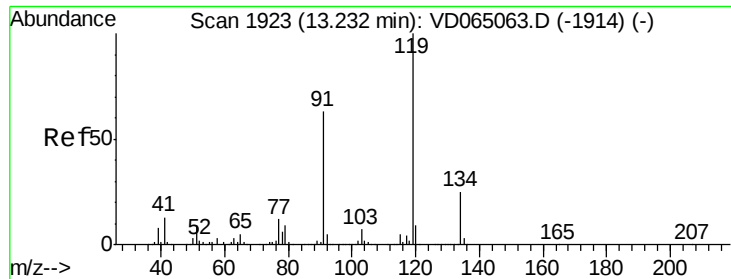
91 100

126 35.0 17.5 52.5



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

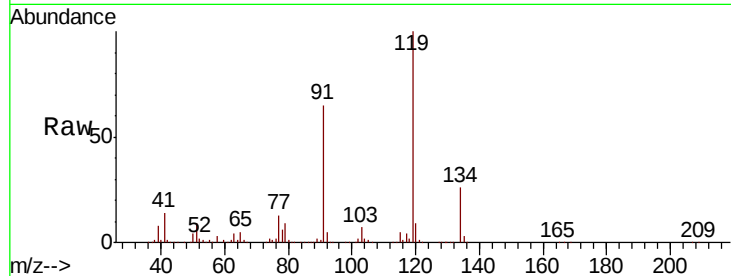




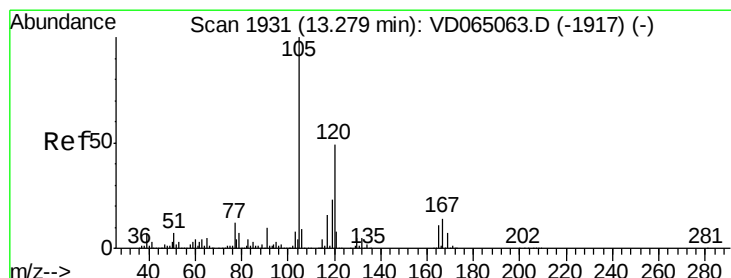
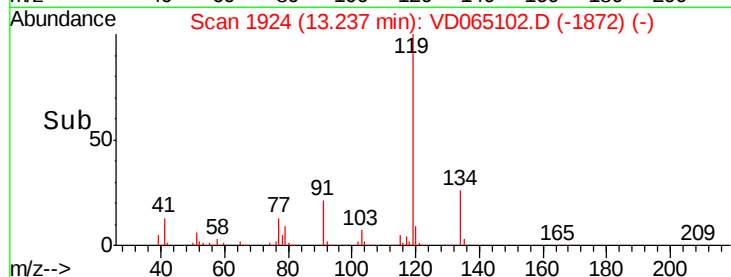
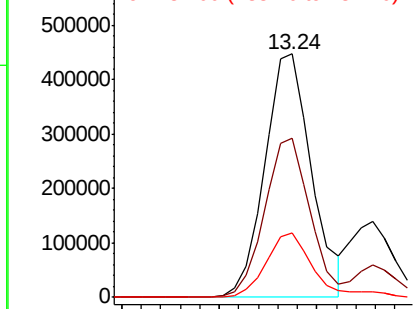
#83
tert-Butylbenzene
Concen: 50.919 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 742296
Ion Ratio Lower Upper
119 100
91 63.2 32.3 96.9
134 27.1 13.8 41.3

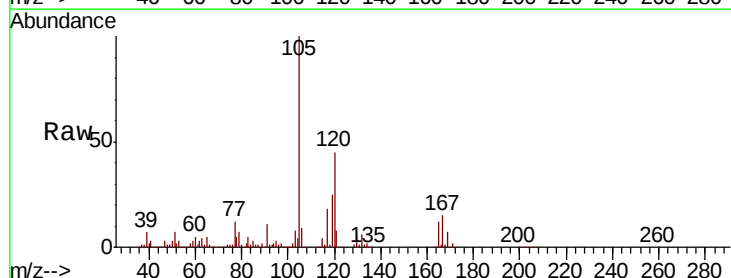


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

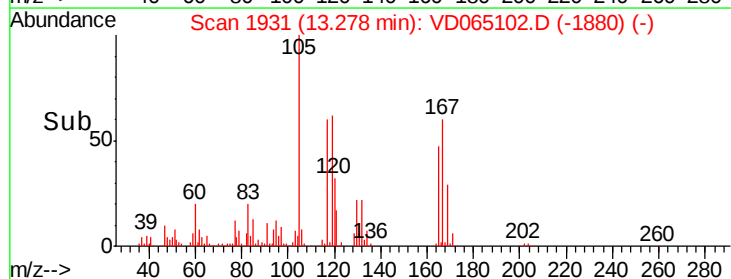
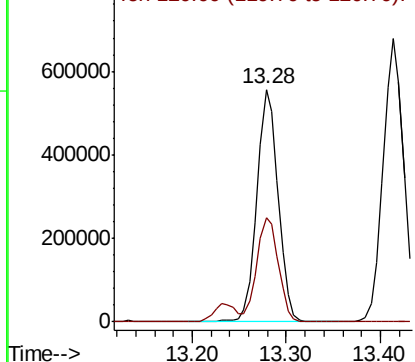


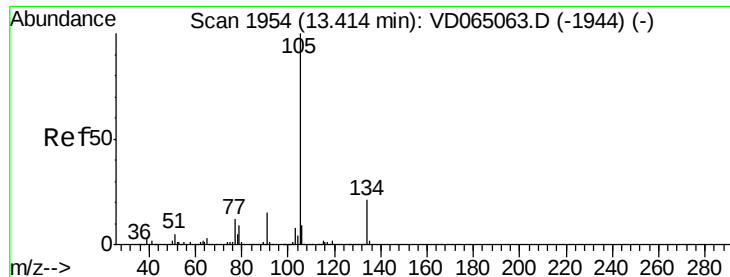
#84
1,2,4-Trimethylbenzene
Concen: 51.871 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion:105 Resp: 870163
Ion Ratio Lower Upper
105 100
120 46.1 23.5 70.5



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

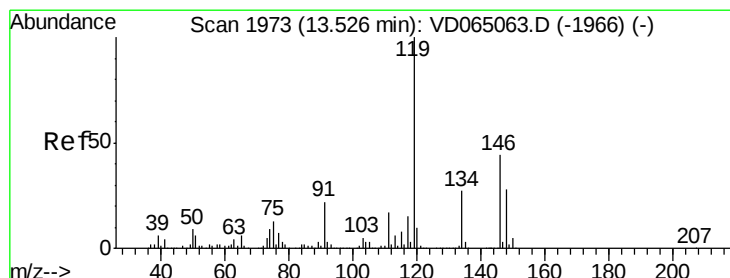
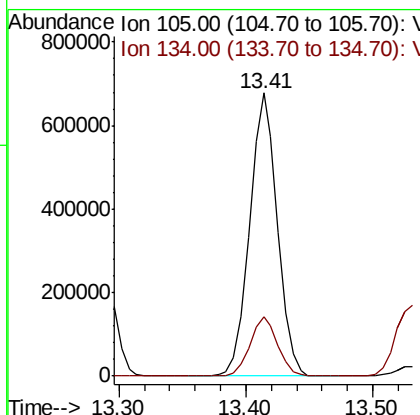
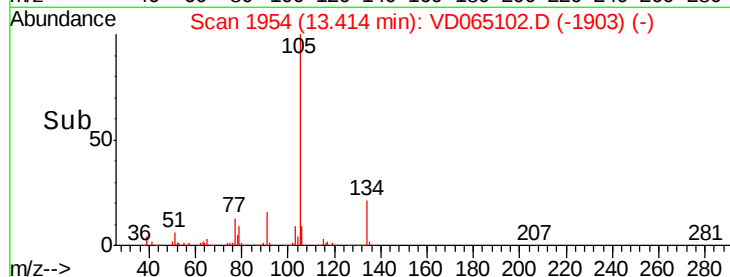
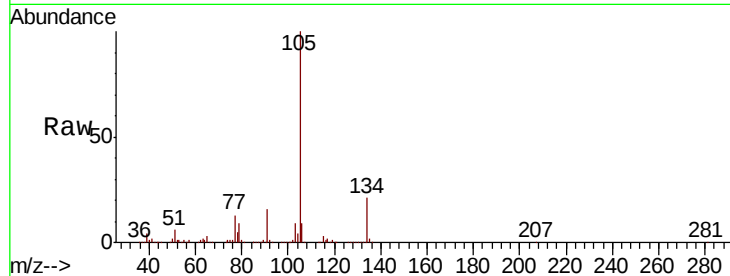




#85
 sec-Butylbenzene
 Concen: 51.736 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

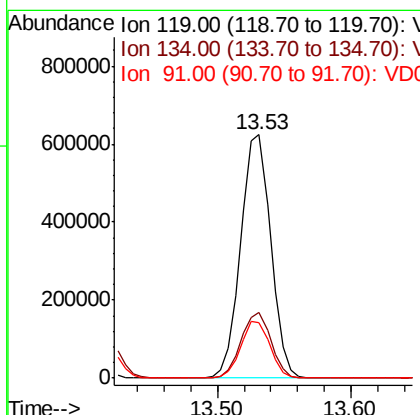
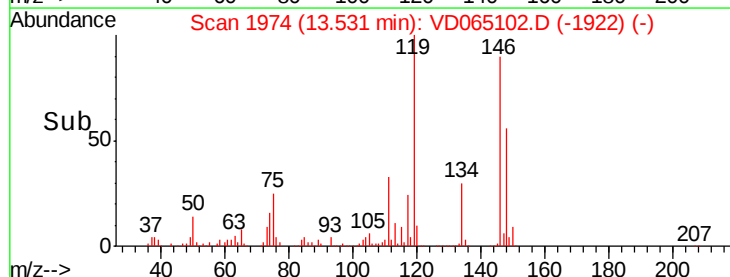
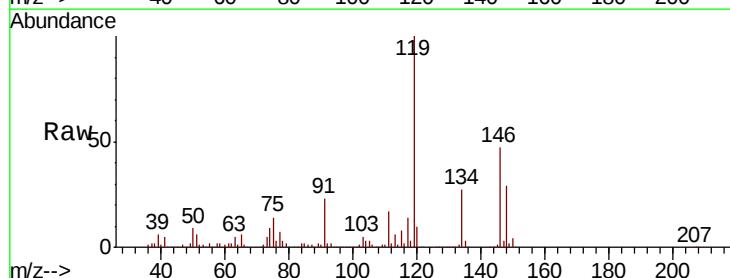
Instrument :
 MSVOA_D
 ClientSampleId :

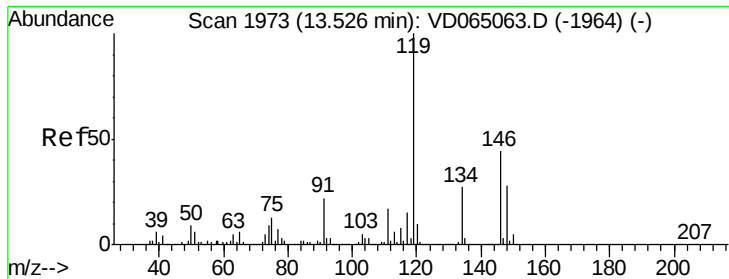
Tot Ion:105 Resp: 1030087
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 52.326 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion:119 Resp: 967995
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 22.5 11.3 33.9

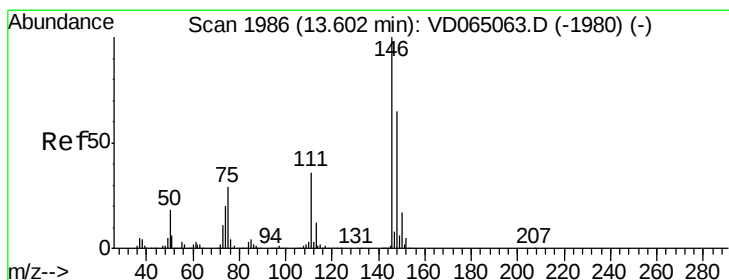
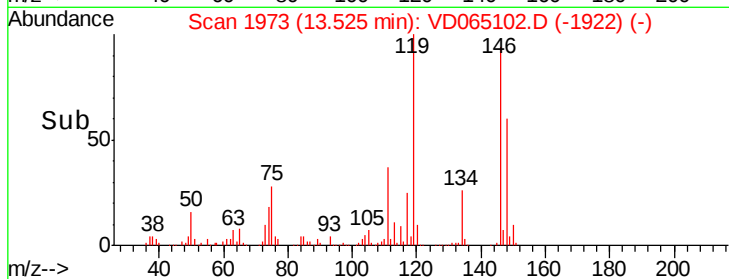
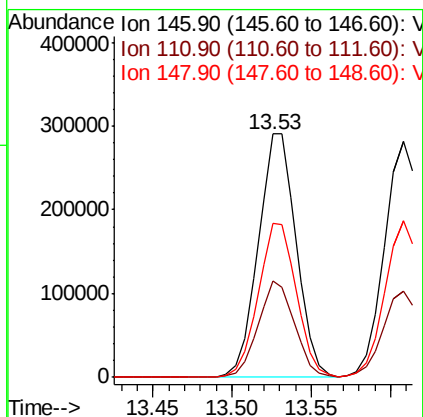
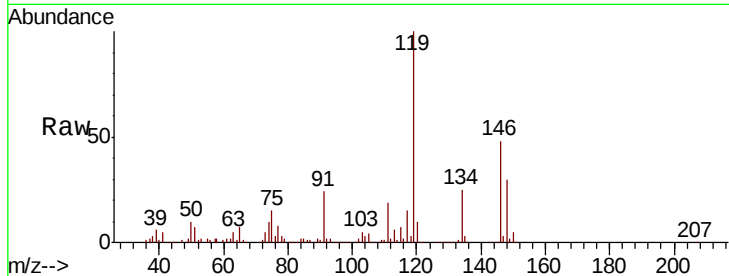




#87
 1,3-Dichlorobenzene
 Concen: 51.960 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

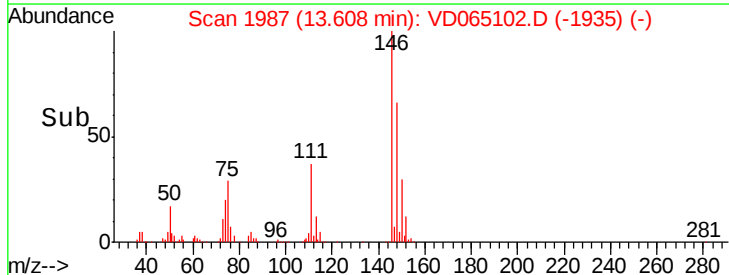
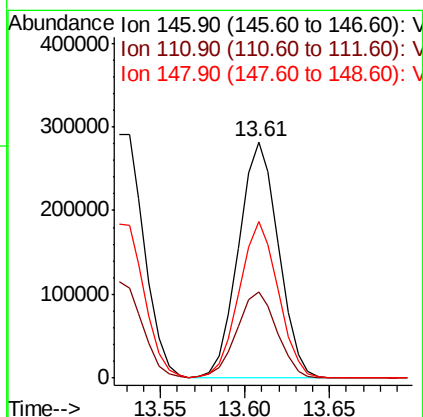
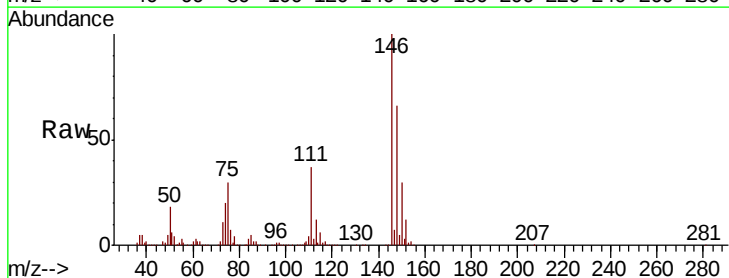
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 484124
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.4 58.4
 148 63.5 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 50.143 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion:146 Resp: 464990
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.5 55.5
 148 65.1 32.7 98.1

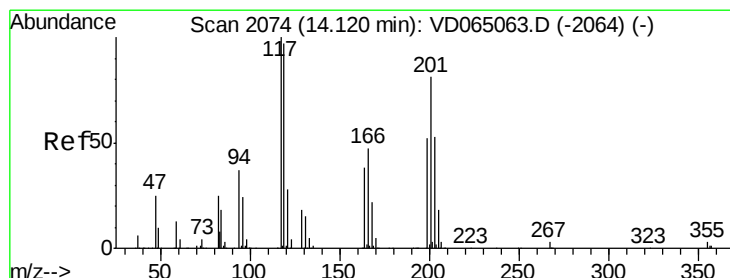
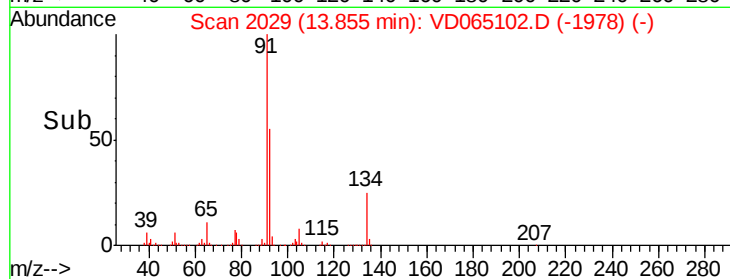
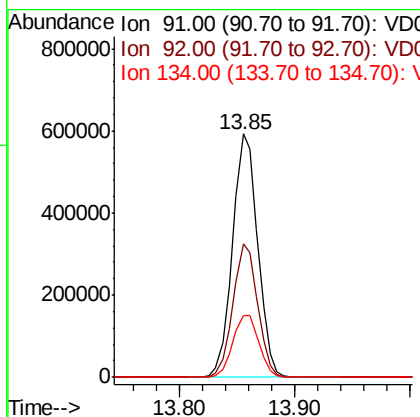
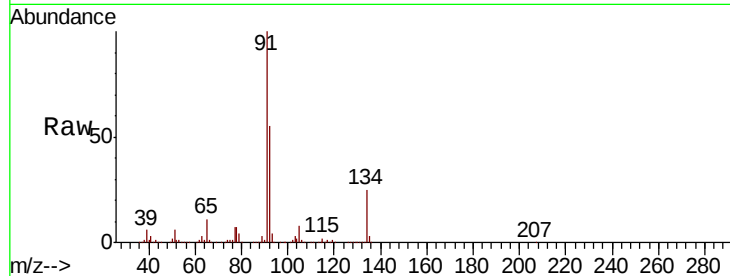




#89
n-Butylbenzene
Concen: 52.351 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

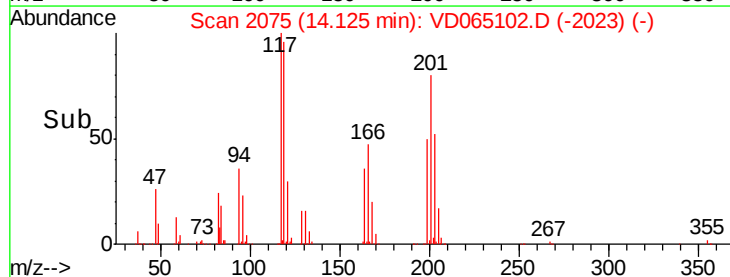
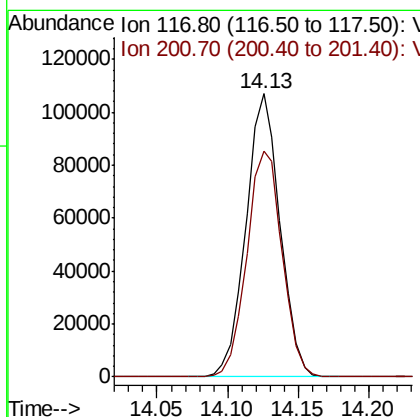
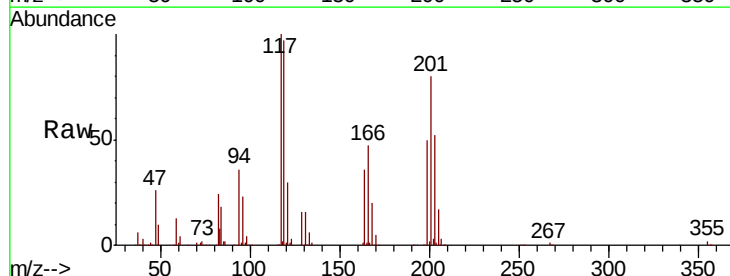
Instrument :
MSVOA_D
ClientSampleId :

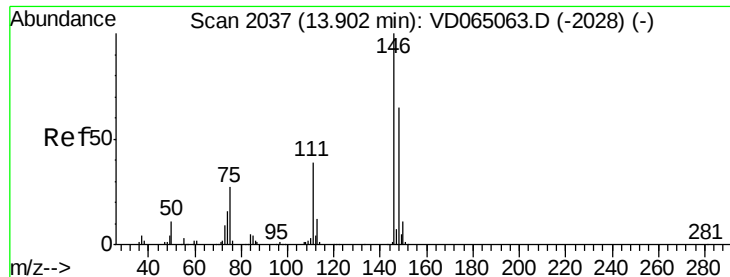
Tot Ion: 91 Resp: 893878
Ion Ratio Lower Upper
91 100
92 54.1 26.7 80.1
134 26.6 13.4 40.2



#90
Hexachloroethane
Concen: 51.600 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 117 Resp: 180754
Ion Ratio Lower Upper
117 100
201 82.7 42.5 127.6

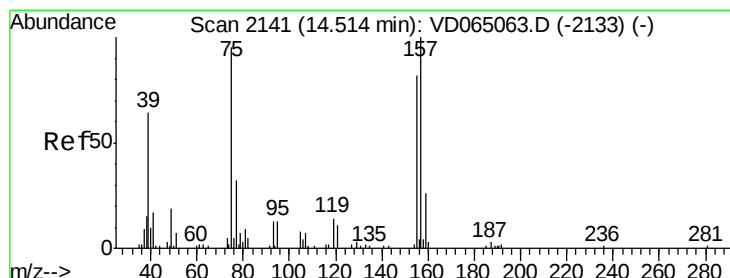
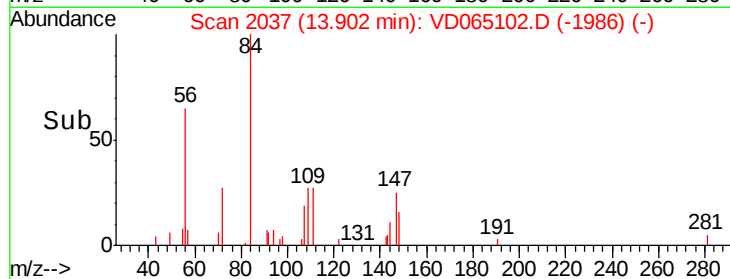
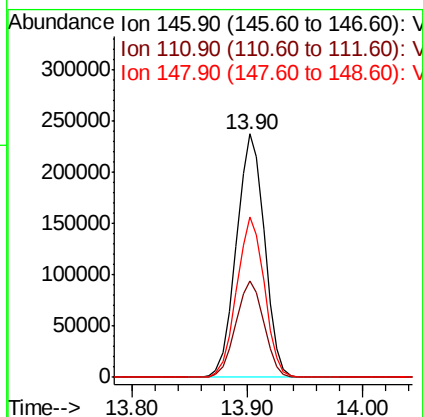
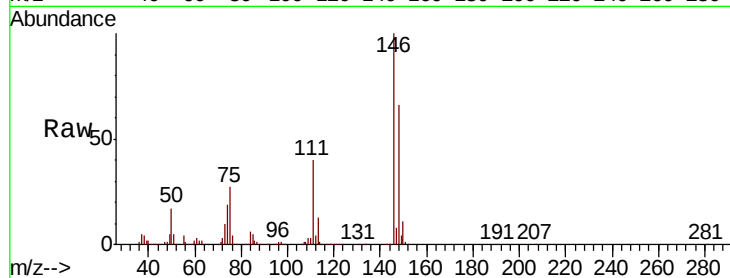




#91
 1,2-Dichlorobenzene
 Concen: 50.102 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

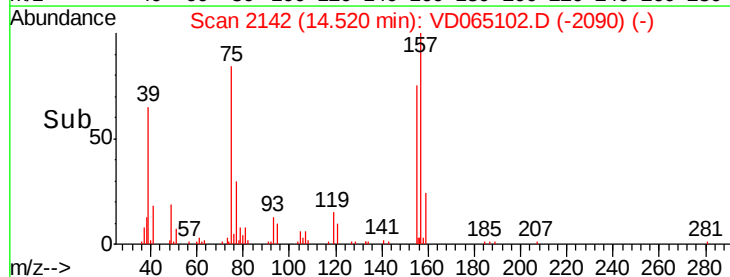
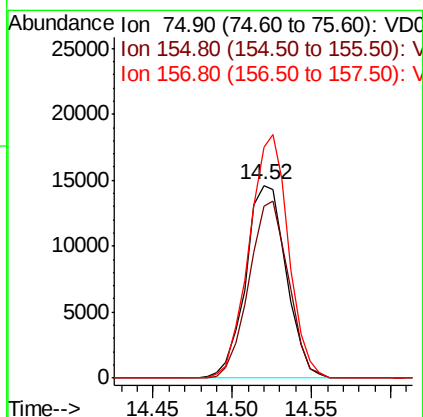
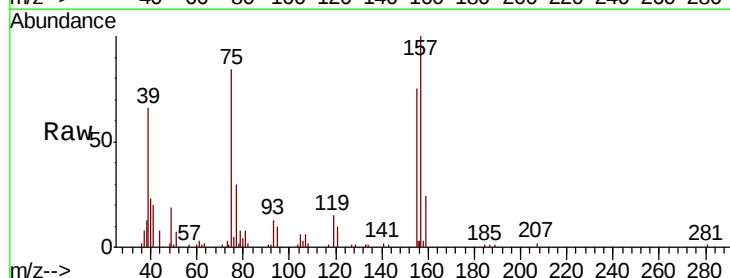
Instrument :
 MSVOA_D
 ClientSampleId :

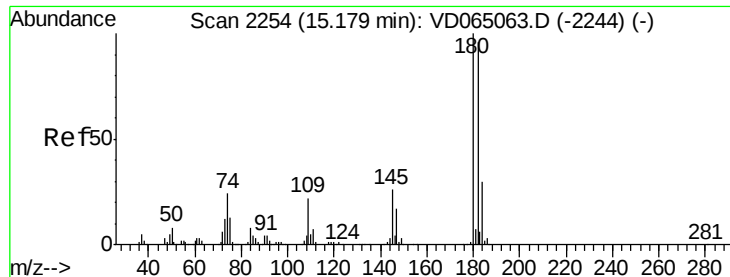
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	64.9	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.895 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	43.4	130.1
157	122.1	55.8	167.3

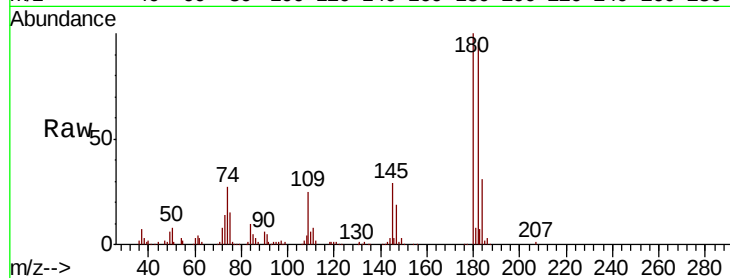




#93
 1,2,4-Trichlorobenzene
 Concen: 47.565 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.3
145	29.2	14.1	42.4

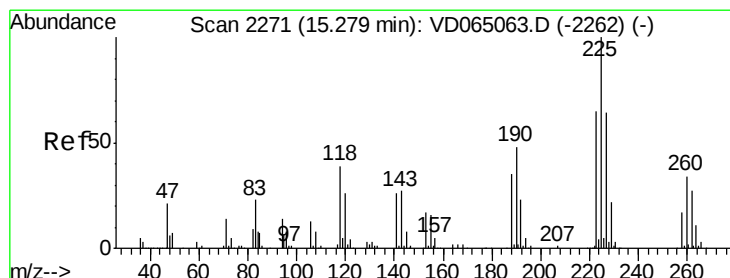
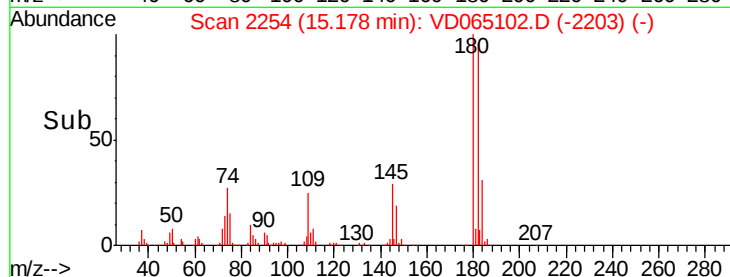
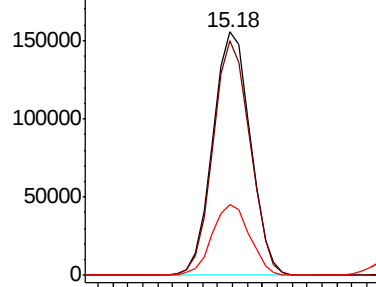


Abundance

Ion 179.80 (179.50 to 180.50): V

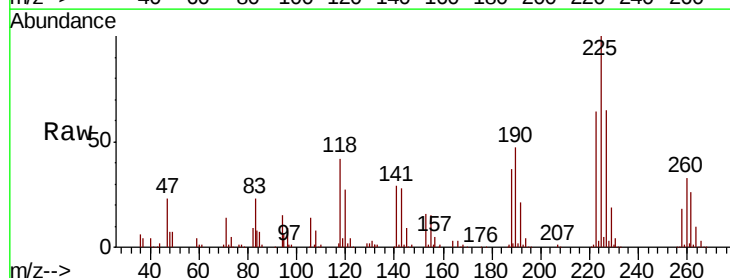
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.206 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.0
227	64.4	31.8	95.3

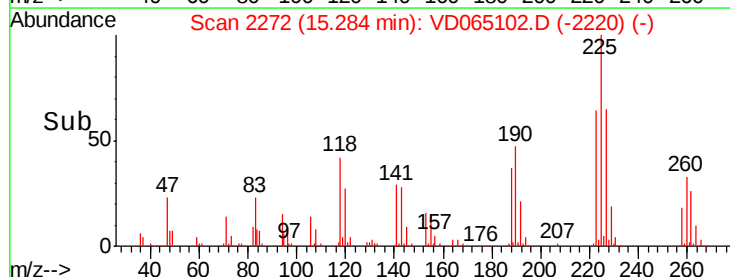
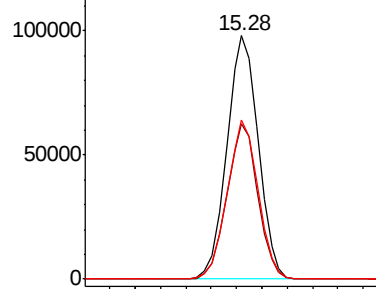


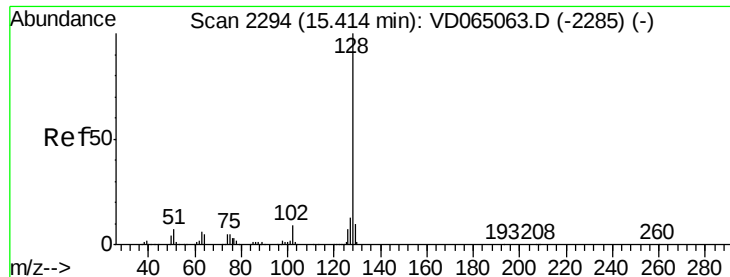
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

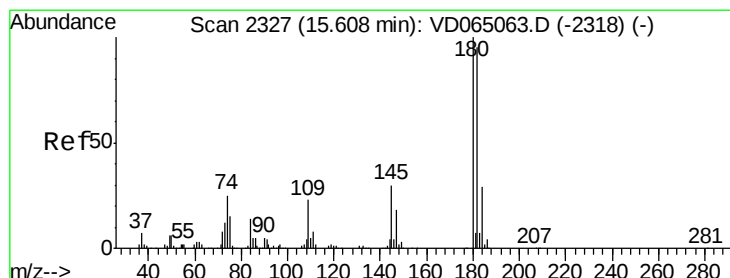
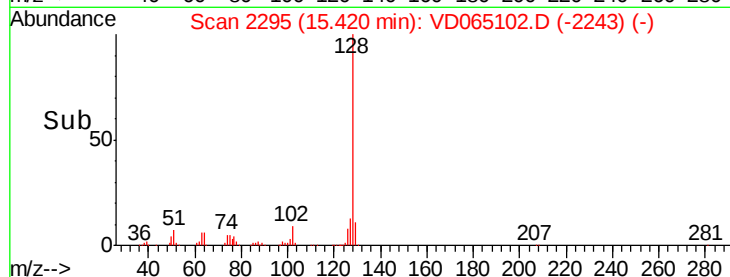
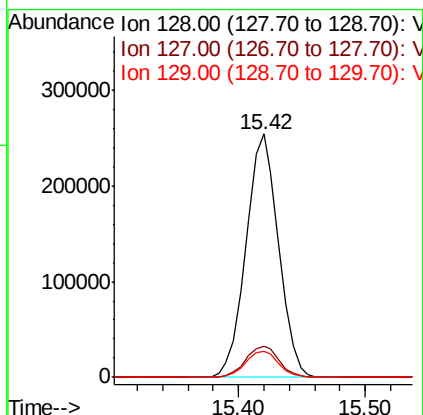
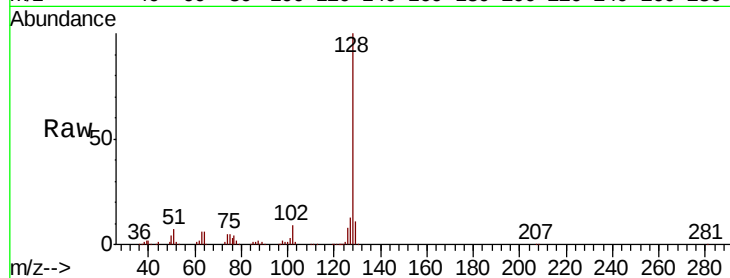




#95
Naphthalene
Concen: 47.735 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.572 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.4
145	29.5	14.9	44.9

