

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065349.D
 Acq On : 27 Feb 2020 17:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 28 00:36:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	465776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	634044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316118	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	208478	49.75	ug/l	0.00
Spiked Amount						
			Recovery	=	99.50%	
35) Dibromofluoromethane	7.92	113	221104	52.50	ug/l	0.00
Spiked Amount						
			Recovery	=	105.00%	
50) Toluene-d8	10.34	98	845082	52.49	ug/l	0.00
Spiked Amount						
			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.64	95	273696	53.67	ug/l	0.00
Spiked Amount						
			Recovery	=	107.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	193058	49.418	ug/l	95
3) Chloromethane	2.21	50	223814	45.011	ug/l	96
4) Vinyl Chloride	2.35	62	232263	45.935	ug/l	98
5) Bromomethane	2.77	94	142390	46.576	ug/l	97
6) Chloroethane	2.93	64	144740	46.896	ug/l	100
7) Trichlorofluoromethane	3.27	101	348205	48.101	ug/l	95
8) Diethyl Ether	3.71	74	110326	50.489	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	227656	49.799	ug/l	99
10) Methyl Iodide	4.30	142	250811	52.841	ug/l	99
11) Tert butyl alcohol	5.24	59	64664	258.255	ug/l	96
12) 1,1-Dichloroethene	4.06	96	210230	48.682	ug/l	99
13) Acrolein	3.93	56	69202	222.400	ug/l	99
14) Allyl chloride	4.71	41	348012	49.626	ug/l	98
15) Acrylonitrile	5.43	53	246323	254.615	ug/l	99
16) Acetone	4.17	43	211477	206.464	ug/l	99
17) Carbon Disulfide	4.40	76	674934	46.618	ug/l	99
18) Methyl Acetate	4.72	43	114360	49.642	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	467980	51.966	ug/l	100
20) Methylene Chloride	4.97	84	239807	52.854	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	245997	50.109	ug/l	95
22) Diisopropyl ether	6.37	45	698031	51.633	ug/l	99
23) Vinyl Acetate	6.31	43	1974200	264.888	ug/l	99
24) 1,1-Dichloroethane	6.27	63	414346	49.413	ug/l	99
25) 2-Butanone	7.22	43	310148	239.323	ug/l	100
26) 2,2-Dichloropropane	7.21	77	351279	48.283	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	260141	50.026	ug/l	98
28) Bromochloromethane	7.56	49	154321	49.606	ug/l	100
29) Tetrahydrofuran	7.57	42	198069	260.850	ug/l	99
30) Chloroform	7.71	83	420434	49.767	ug/l	97
31) Cyclohexane	7.98	56	382452	46.421	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	369895	48.937	ug/l	100
36) 1,1-Dichloropropene	8.11	75	337916	50.284	ug/l	99
37) Ethyl Acetate	7.30	43	138384	49.259	ug/l	98
38) Carbon Tetrachloride	8.10	117	339354	49.606	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	405018	51.265	ug/l	99
40) Benzene	8.36	78	948467	50.003	ug/l	99
41) Methacrylonitrile	7.57	41	193710	119.420	ug/l #	21
42) 1,2-Dichloroethane	8.43	62	251225	48.177	ug/l	99
43) Isopropyl Acetate	8.46	43	259065	50.711	ug/l	99
44) Trichloroethene	9.11	130	265555	50.506	ug/l	98
45) 1,2-Dichloropropane	9.39	63	238996	50.671	ug/l	99
46) Dibromomethane	9.48	93	124761	51.410	ug/l	99
47) Bromodichloromethane	9.67	83	322712	50.460	ug/l	99
48) Methyl methacrylate	9.46	41	120589	51.067	ug/l	97
49) 1,4-Dioxane	9.47	88	28978	1018.107	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	676062	260.548	ug/l	99
52) Toluene	10.41	92	612986	52.209	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	311886	52.612	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	372608	52.052	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	173509	50.797	ug/l	96
56) Ethyl methacrylate	10.67	69	213937	54.264	ug/l	99
57) 1,3-Dichloropropane	10.95	76	302762	52.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	286805	230.744	ug/l	99
59) 2-Hexanone	10.99	43	469248	252.632	ug/l	97
60) Dibromochloromethane	11.15	129	225025	51.471	ug/l	100
61) 1,2-Dibromoethane	11.25	107	167638	51.835	ug/l	99
64) Tetrachloroethene	10.88	164	222237	49.421	ug/l	97
65) Chlorobenzene	11.68	112	638567	50.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	235413	49.580	ug/l	100
67) Ethyl Benzene	11.75	91	1142582	51.273	ug/l	99
68) m/p-Xylenes	11.86	106	876334	102.787	ug/l	99
69) o-Xylene	12.18	106	393068	52.039	ug/l	99
70) Styrene	12.20	104	702180	52.360	ug/l	100
71) Bromoform	12.37	173	134413	51.015	ug/l #	98
73) Isopropylbenzene	12.49	105	1082270	51.713	ug/l	100
74) N-amyl acetate	12.30	43	234471	50.419	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	186967	49.500	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	239953	89.214	ug/l #	100
77) Bromobenzene	12.77	156	262960	50.599	ug/l	99
78) n-propylbenzene	12.83	91	1288378	51.227	ug/l	99
79) 2-Chlorotoluene	12.91	91	703577	49.937	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	886117	51.407	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	62012	49.782	ug/l	95
82) 4-Chlorotoluene	13.01	91	746751	49.924	ug/l	99
83) tert-Butylbenzene	13.23	119	767317	53.112	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	880289	51.022	ug/l	99
85) sec-Butylbenzene	13.41	105	1060086	50.923	ug/l	100
86) p-Isopropyltoluene	13.53	119	969903	50.947	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	490331	48.805	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	483655	48.777	ug/l	99
89) n-Butylbenzene	13.86	91	906686	51.685	ug/l	99
90) Hexachloroethane	14.13	117	193455	50.047	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	426789	49.474	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27316	46.929	ug/l	91

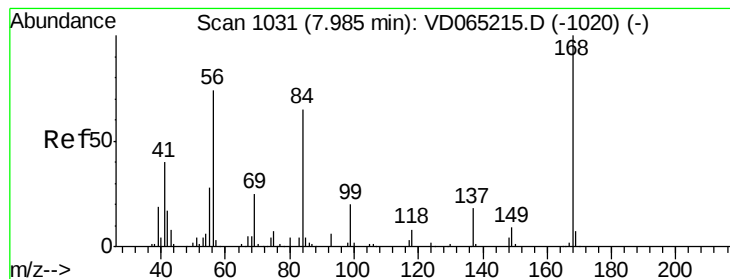
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	294284	52.153	ug/l	99
94) Hexachlorobutadiene	15.28	225	179116	49.484	ug/l	99
95) Naphthalene	15.42	128	501539	54.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	253628	51.465	ug/l	98

(#) = 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: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

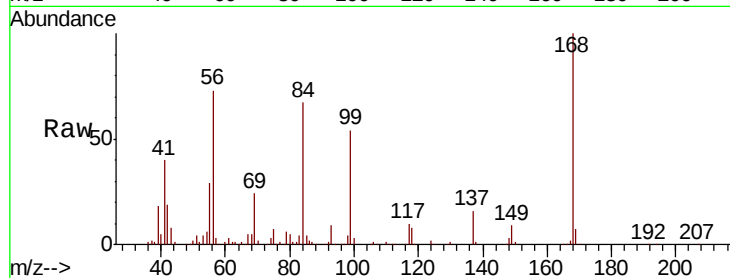
ClientSampleId :

Tot Ion:168 Resp: 465776

Ion Ratio Lower Upper

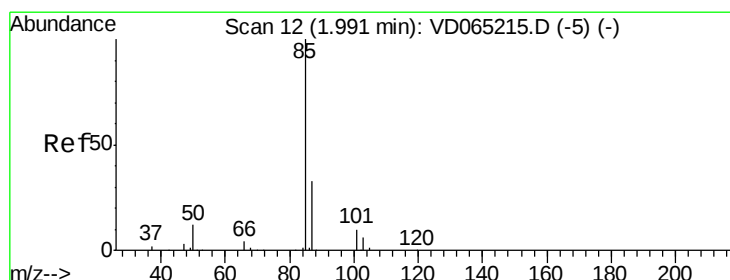
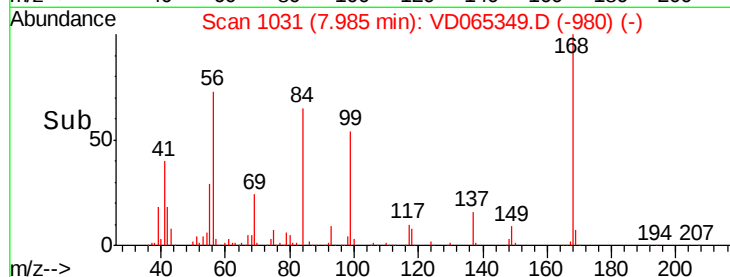
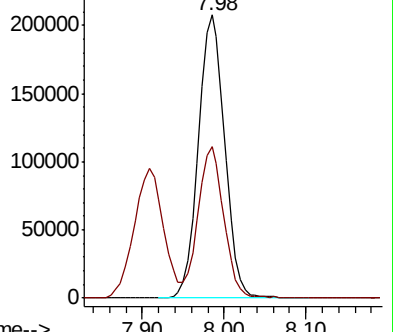
168 100

99 53.6 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.418 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065349.D

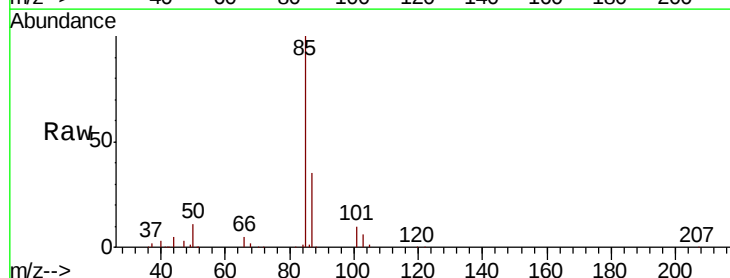
Acq: 27 Feb 2020 17:21

Tgt Ion: 85 Resp: 193058

Ion Ratio Lower Upper

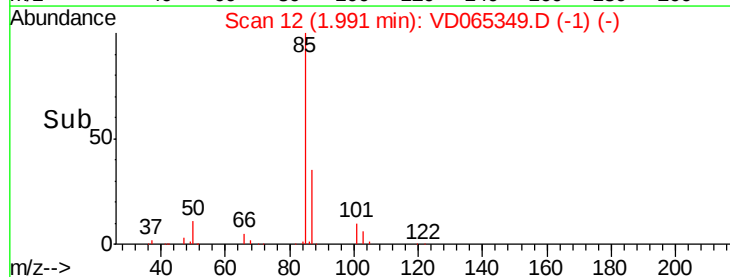
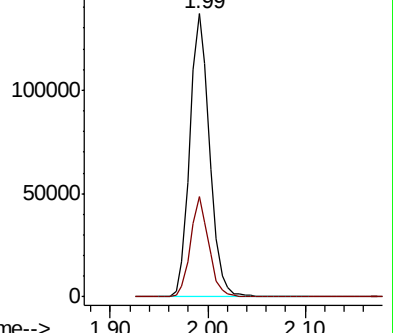
85 100

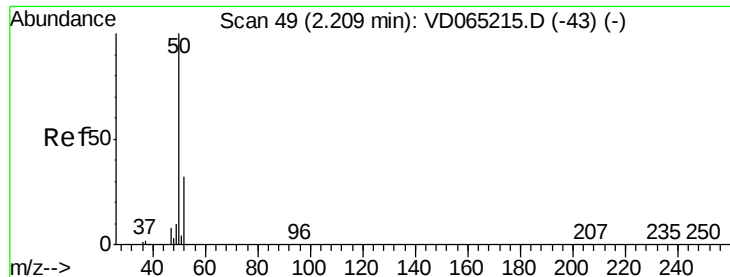
87 35.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.011 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

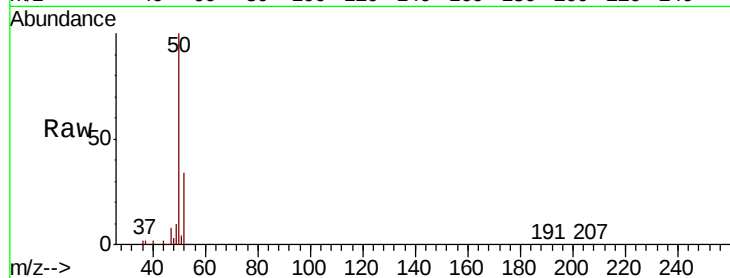
ClientSampleId :

Tot Ion: 50 Resp: 223814

Ion Ratio Lower Upper

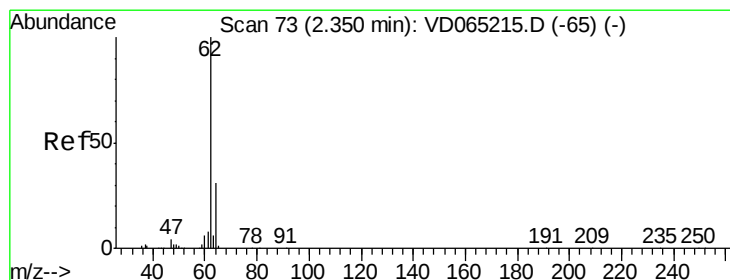
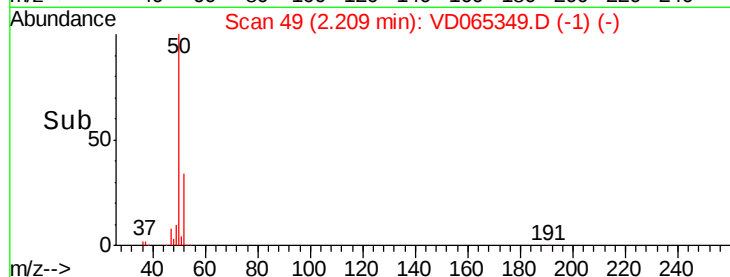
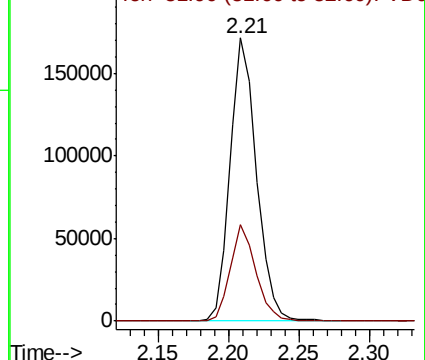
50 100

52 34.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.935 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065349.D

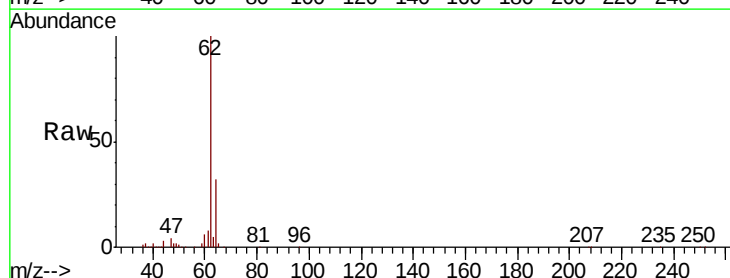
Acq: 27 Feb 2020 17:21

Tgt Ion: 62 Resp: 232263

Ion Ratio Lower Upper

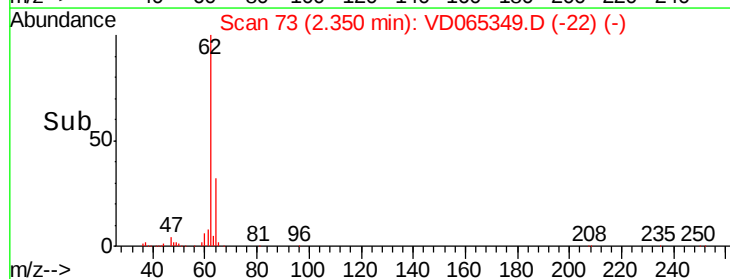
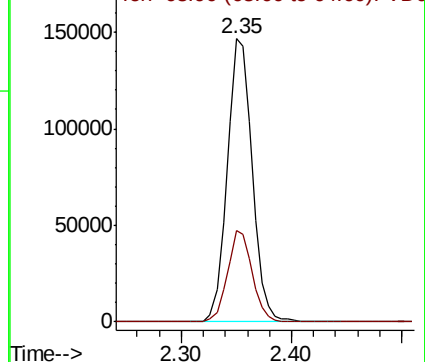
62 100

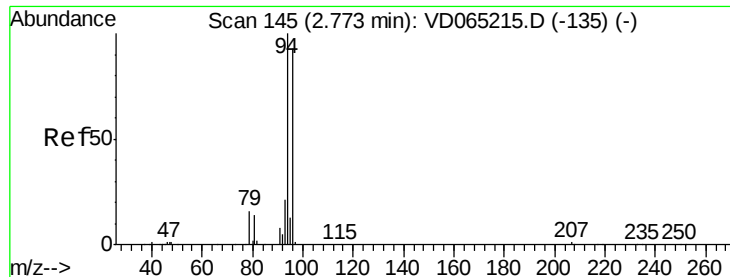
64 32.5 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.576 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

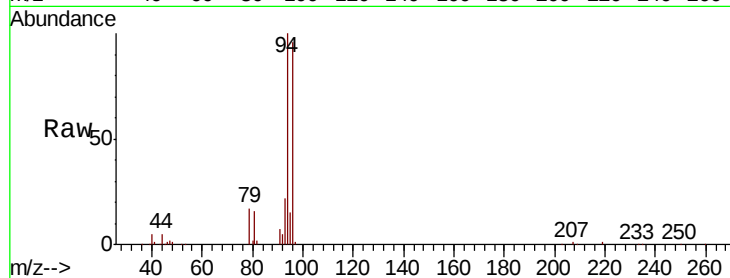
ClientSampleId :

Tot Ion: 94 Resp: 142390

Ion Ratio Lower Upper

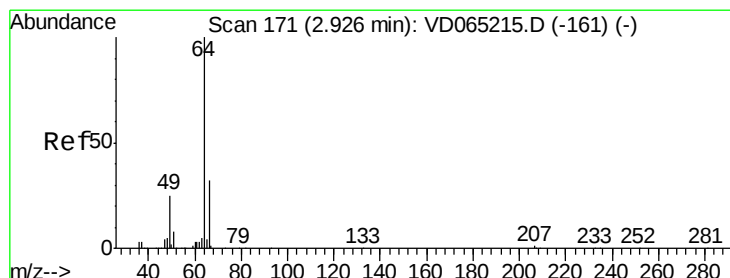
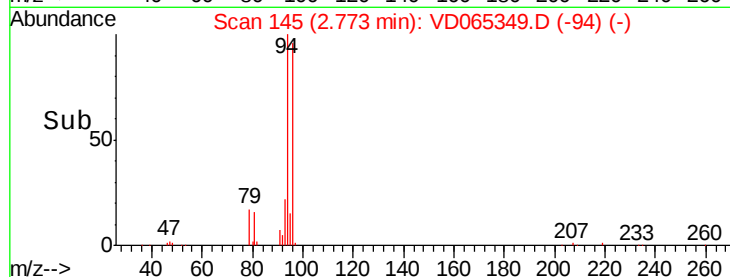
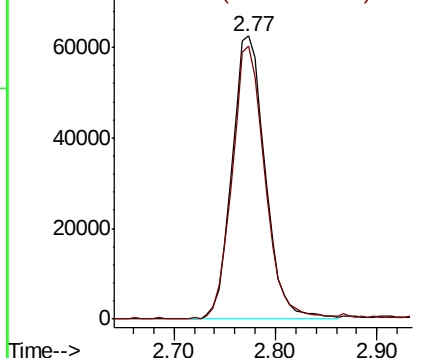
94 100

96 96.1 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.896 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065349.D

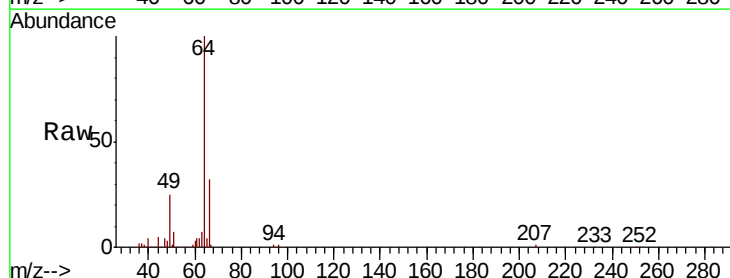
Acq: 27 Feb 2020 17:21

Tgt Ion: 64 Resp: 144740

Ion Ratio Lower Upper

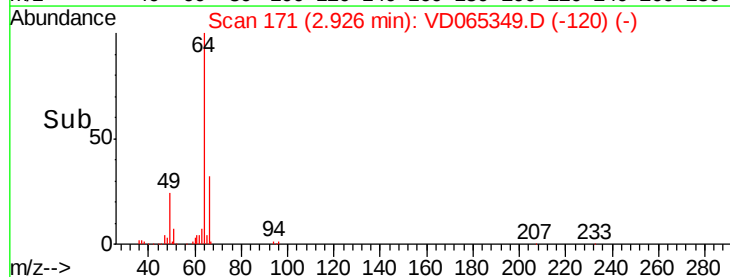
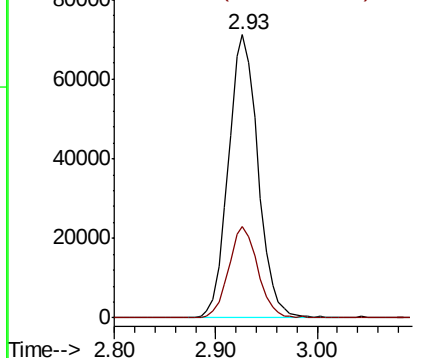
64 100

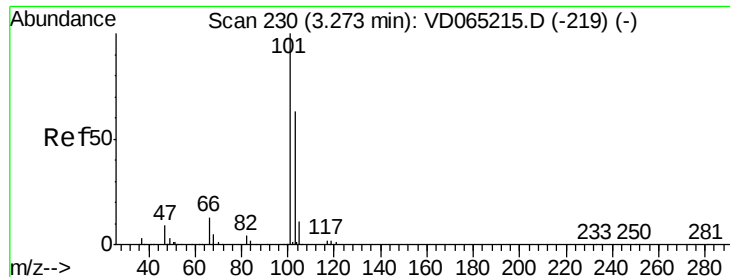
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



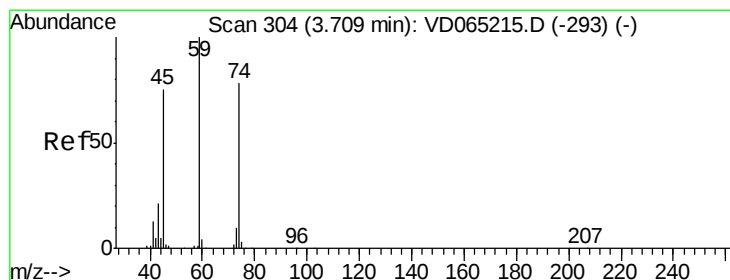
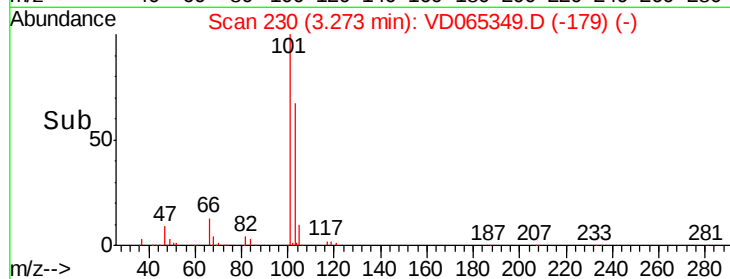
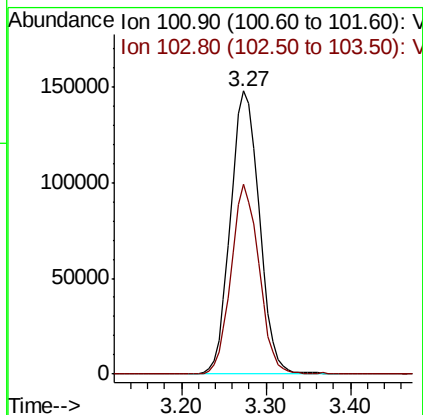
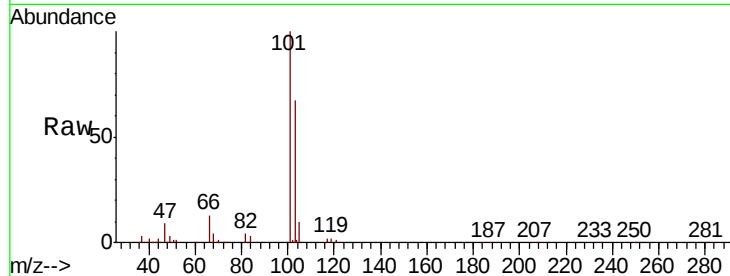


#7

Trichlorofluoromethane
 Concen: 48.101 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Instrument :
 MSVOA_D
 ClientSampleId :

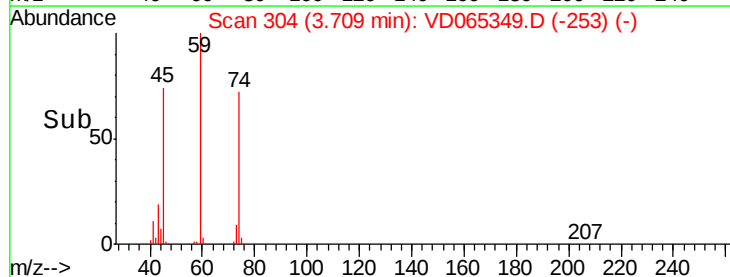
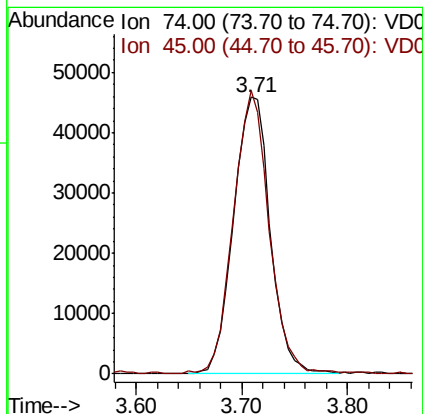
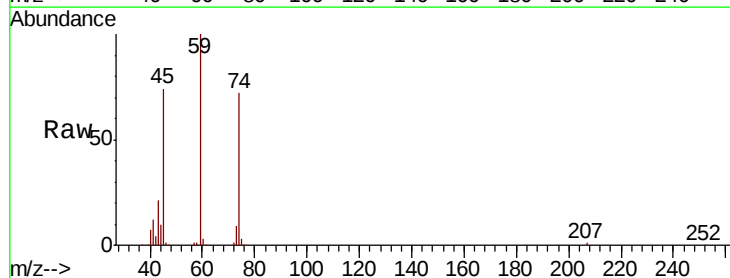
Tot Ion:101 Resp: 348205
 Ion Ratio Lower Upper
 101 100
 103 67.0 50.7 76.1

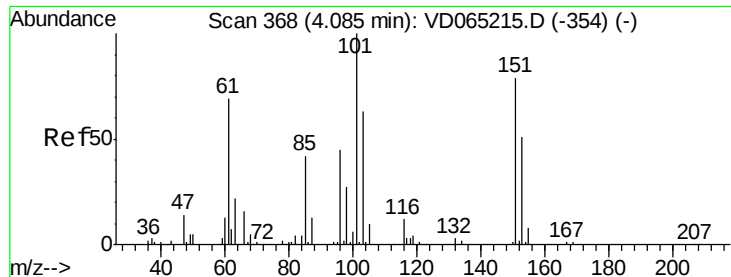


#8

Diethyl Ether
 Concen: 50.489 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Tgt Ion: 74 Resp: 110326
 Ion Ratio Lower Upper
 74 100
 45 100.2 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.799 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

ClientSampled :

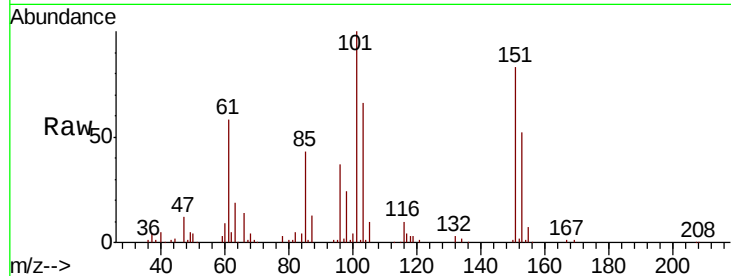
Tot Ion:101 Resp: 227656

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.2

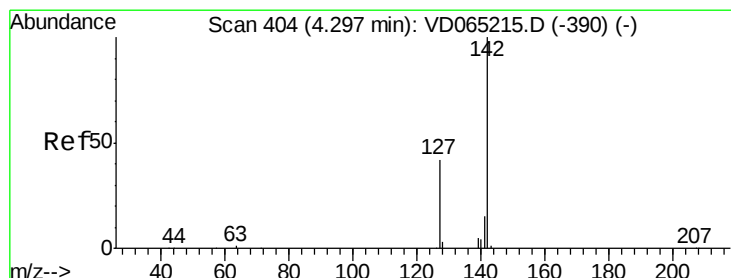
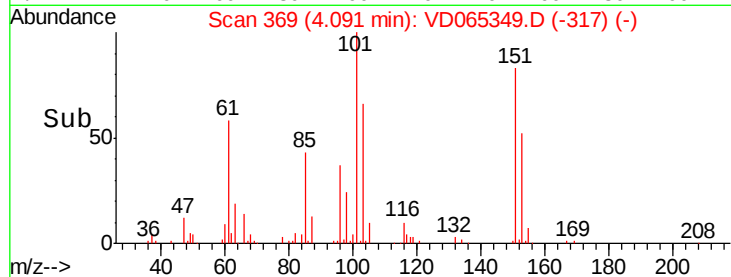
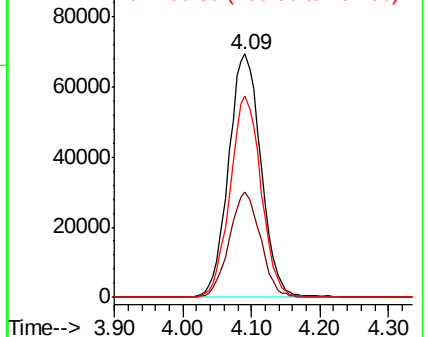
151 78.9 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.841 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

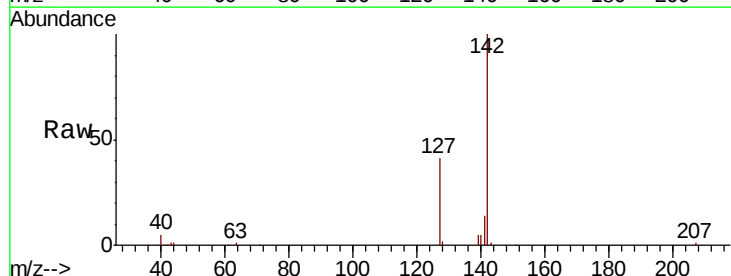
Tgt Ion:142 Resp: 250811

Ion Ratio Lower Upper

142 100

127 43.4 33.8 50.8

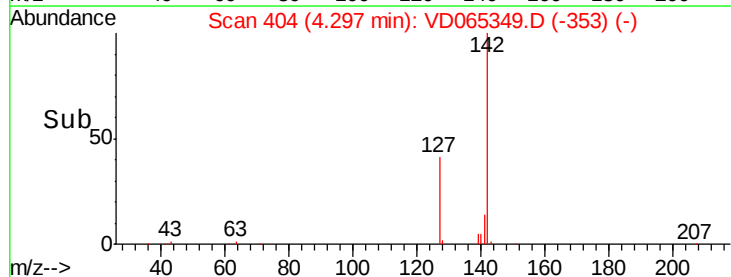
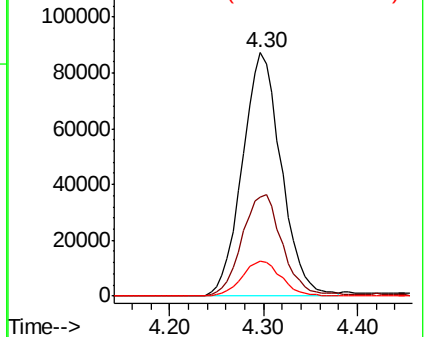
141 14.5 11.7 17.5

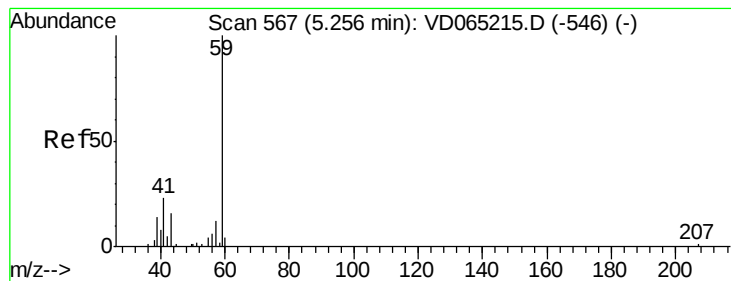


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



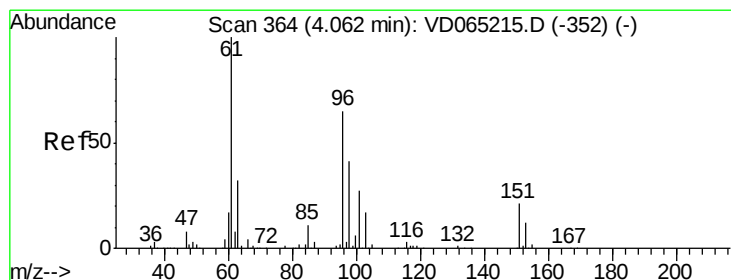
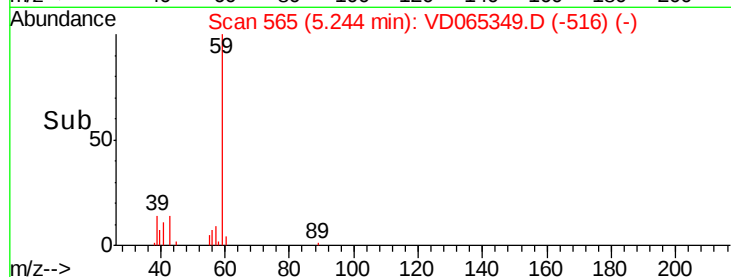
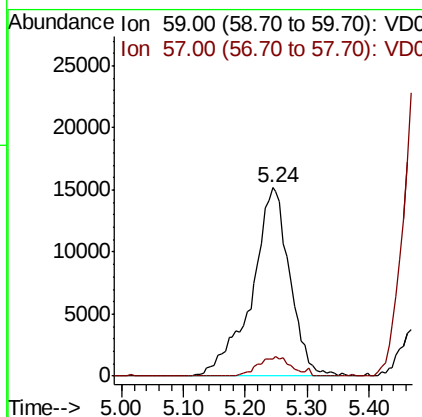
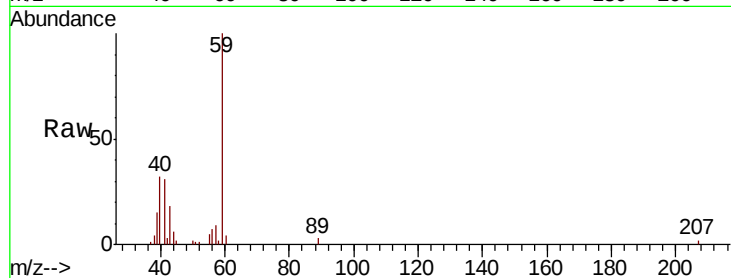


#11

Tert butyl alcohol
 Concen: 258.255 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Instrument :
 MSVOA_D
 ClientSampled :

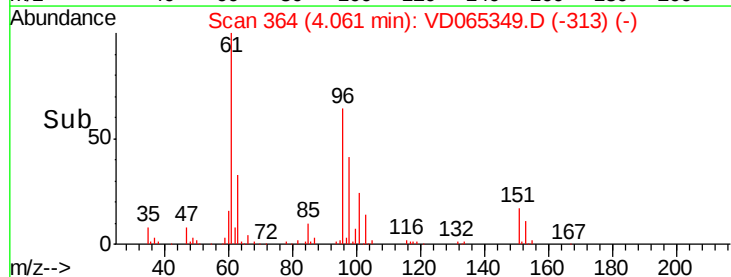
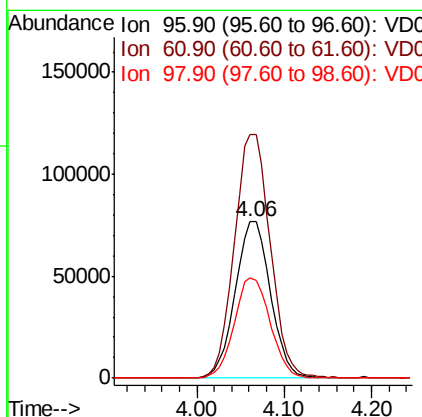
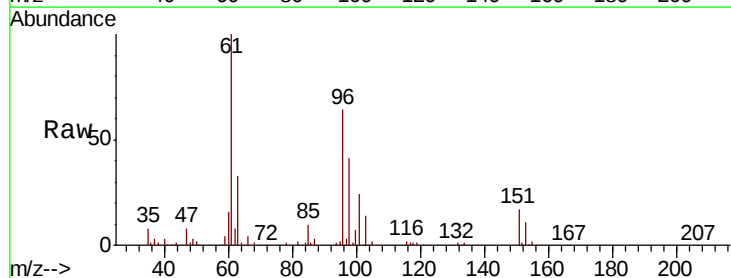
Tot Ion: 59 Resp: 64664
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.4 12.6

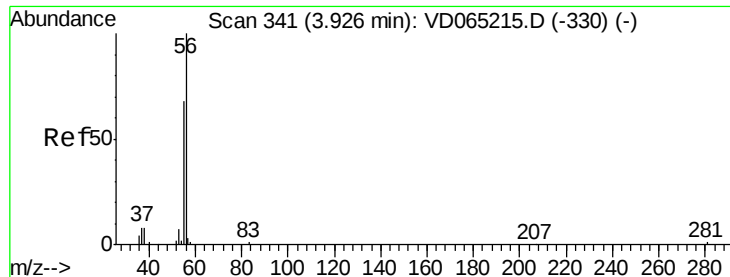


#12

1,1-Dichloroethene
 Concen: 48.682 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Tgt Ion: 96 Resp: 210230
 Ion Ratio Lower Upper
 96 100
 61 155.6 123.3 184.9
 98 64.4 51.0 76.4





#13

Acrolein

Concen: 222.400 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

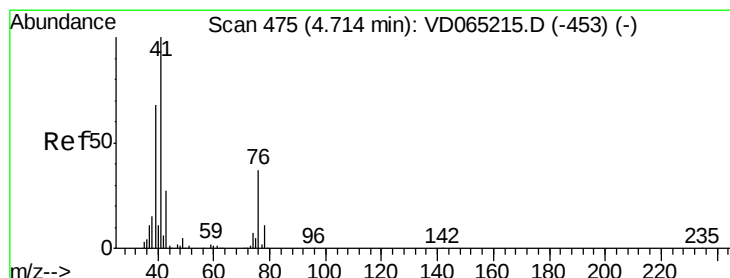
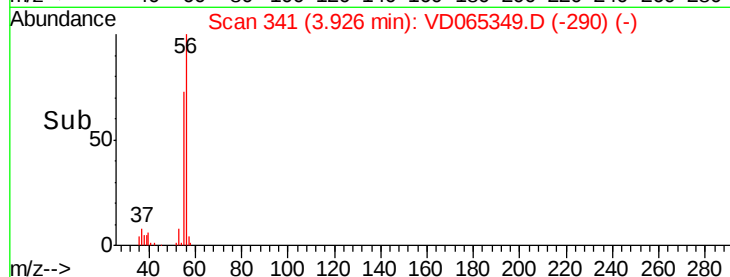
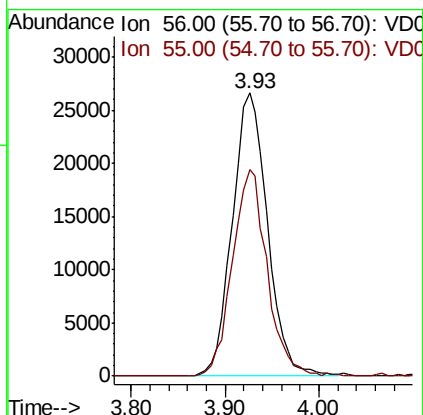
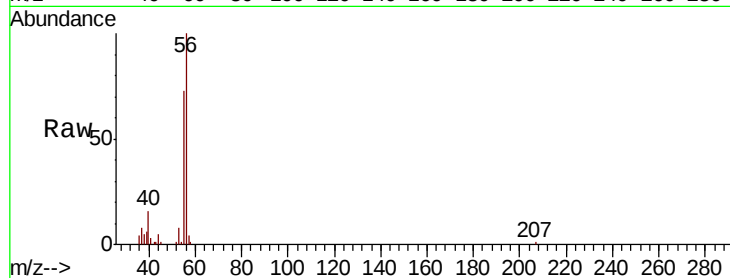
ClientSampleId :

Tot Ion: 56 Resp: 69202

Ion Ratio Lower Upper

56 100

55 71.8 56.6 85.0



#14

Allyl chloride

Concen: 49.626 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

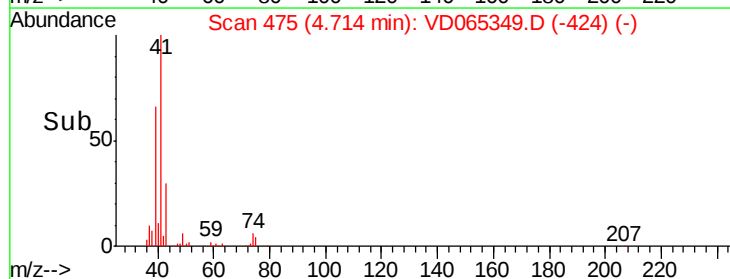
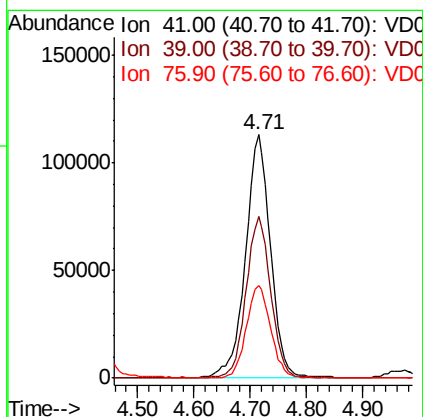
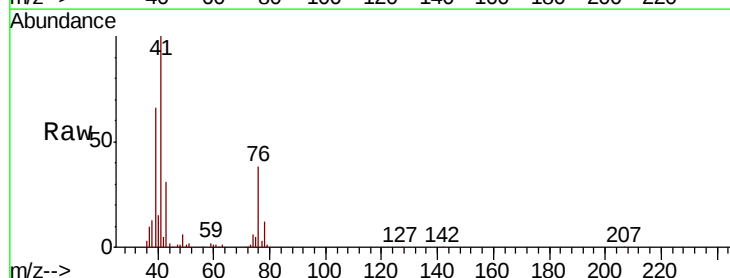
Tgt Ion: 41 Resp: 348012

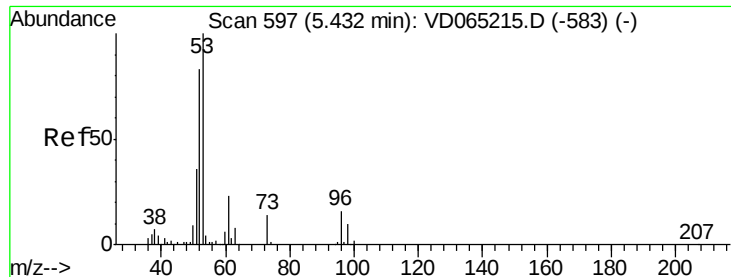
Ion Ratio Lower Upper

41 100

39 65.4 53.8 80.6

76 36.6 28.7 43.1





#15

Acrylonitrile

Concen: 254.615 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

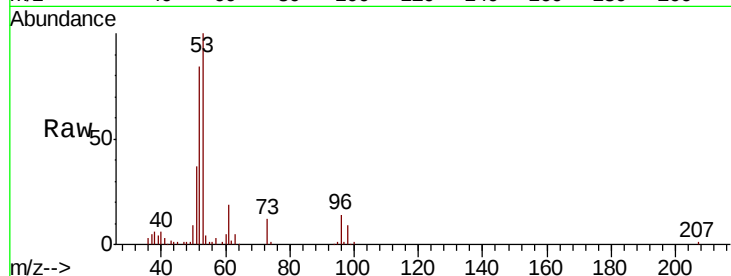
Tot Ion: 53 Resp: 246323

Ion Ratio Lower Upper

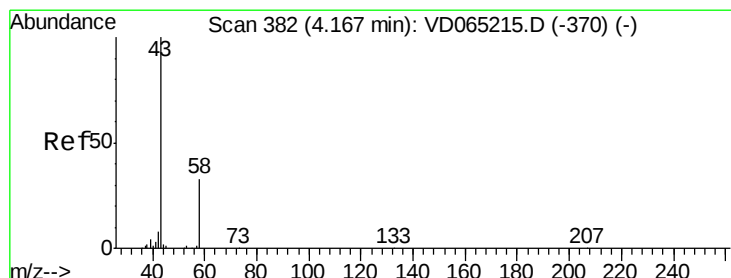
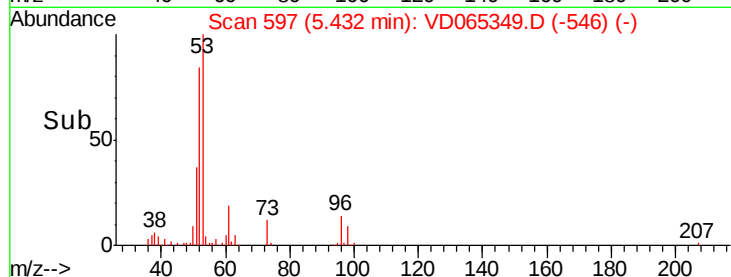
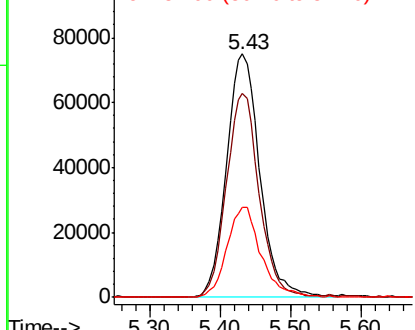
53 100

52 82.0 65.4 98.2

51 38.0 29.5 44.3



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: 206.464 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065349.D

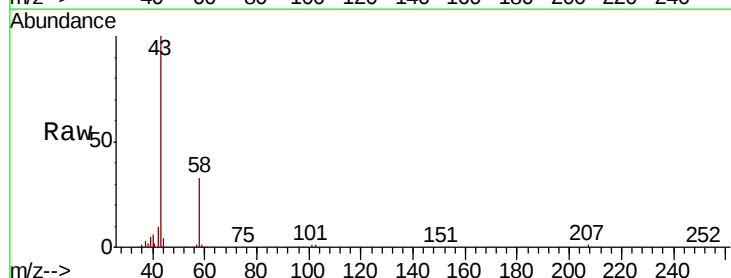
Acq: 27 Feb 2020 17:21

Tgt Ion: 43 Resp: 211477

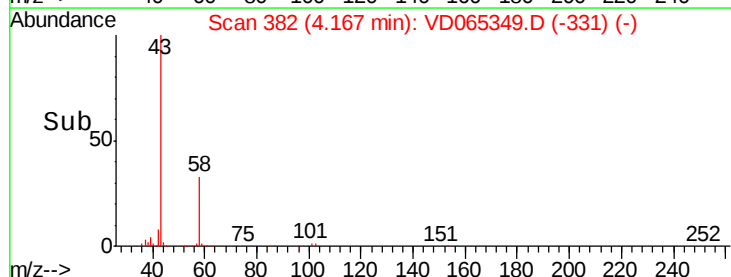
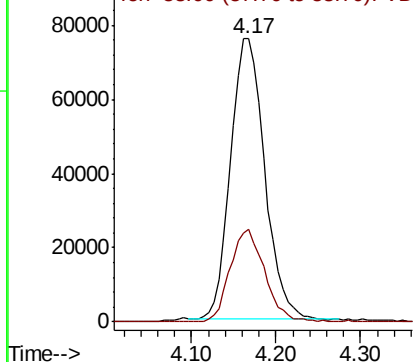
Ion Ratio Lower Upper

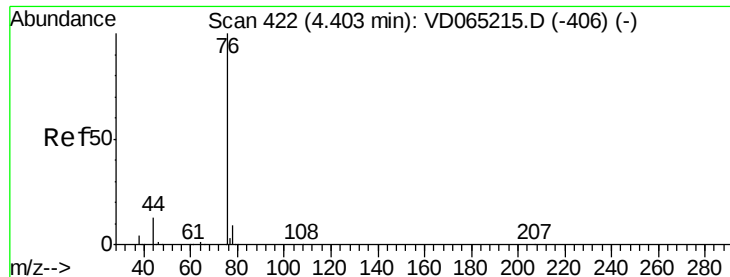
43 100

58 33.2 26.2 39.2



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





#17

Carbon Disulfide

Concen: 46.618 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

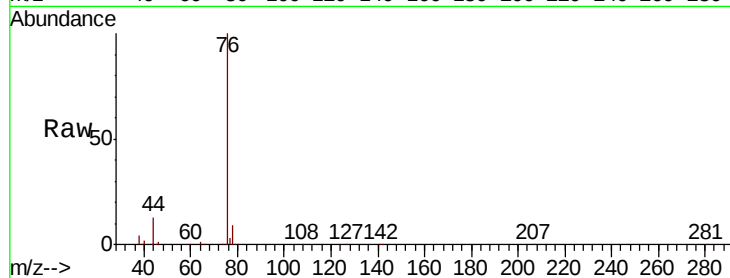
ClientSampleId :

Tot Ion: 76 Resp: 674934

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

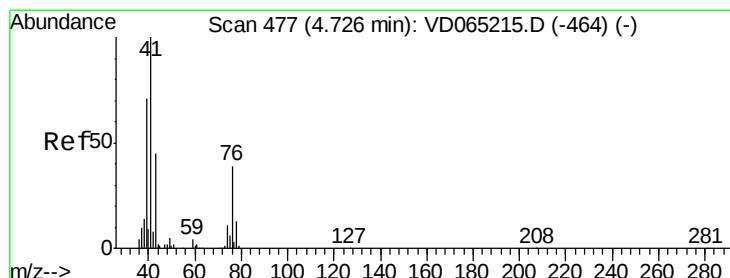
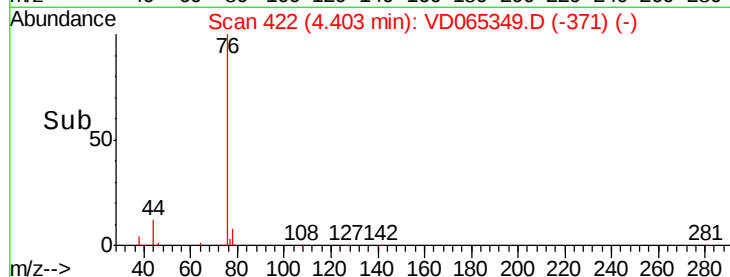
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 49.642 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065349.D

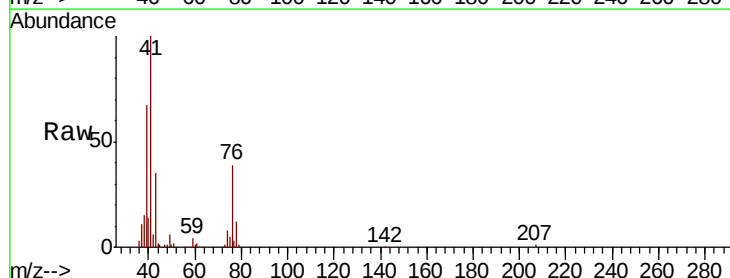
Acq: 27 Feb 2020 17:21

Tgt Ion: 43 Resp: 114360

Ion Ratio Lower Upper

43 100

74 24.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

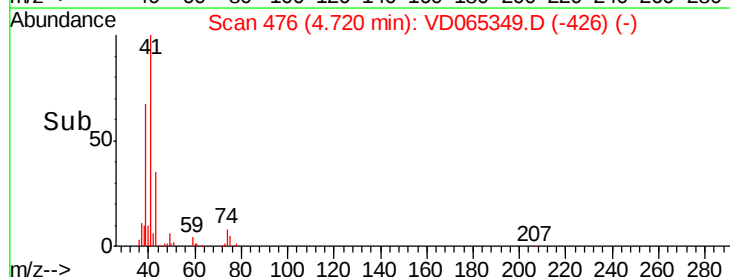
20000

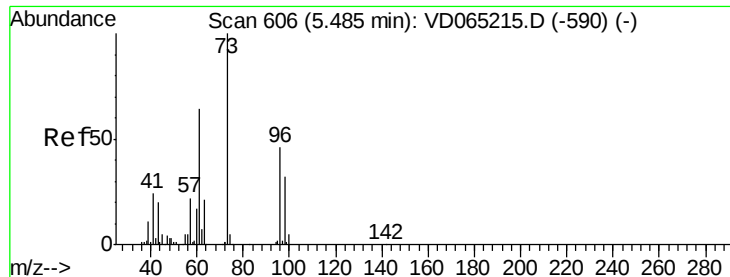
10000

0

4.60 4.70 4.80 4.90

Time-->



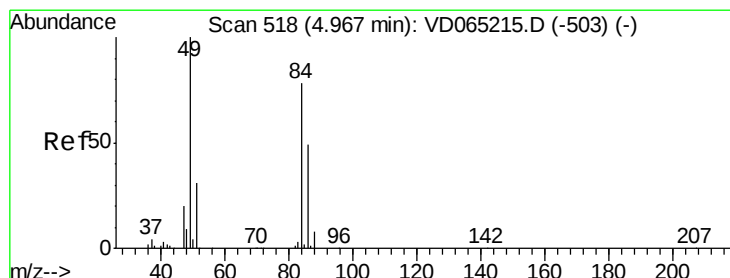
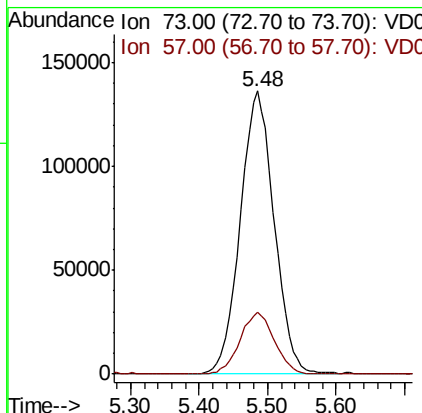
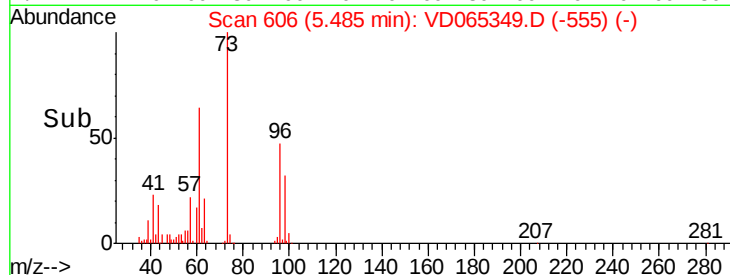
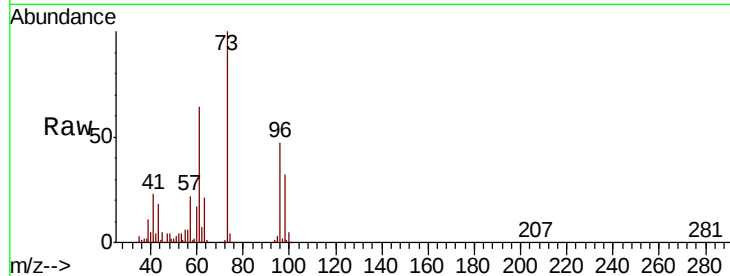


#19

Methyl tert-butyl Ether
 Concen: 51.966 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Instrument :
 MSVOA_D
 ClientSampleID :

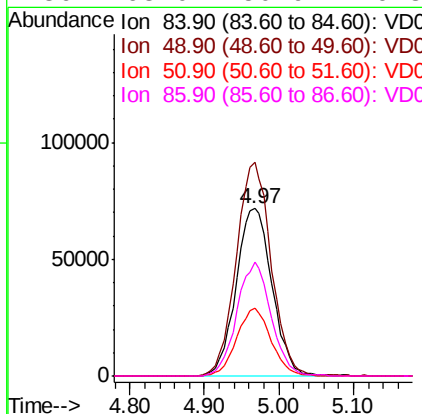
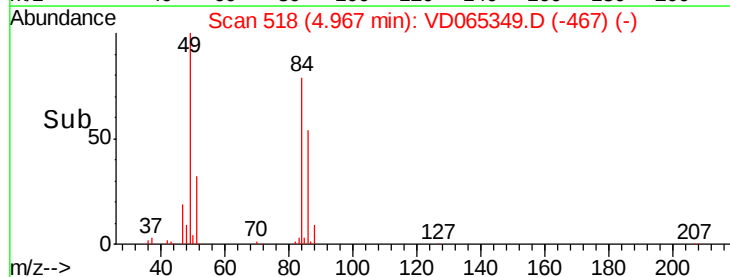
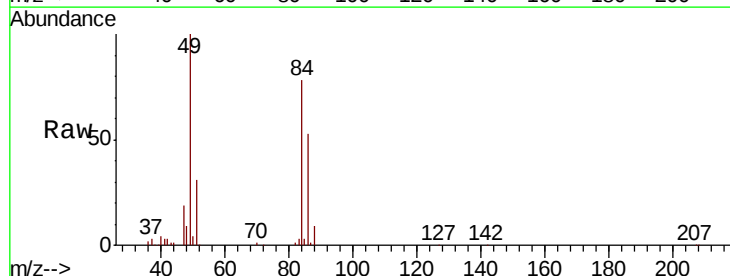
Tot Ion: 73 Resp: 467980
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.3 25.9

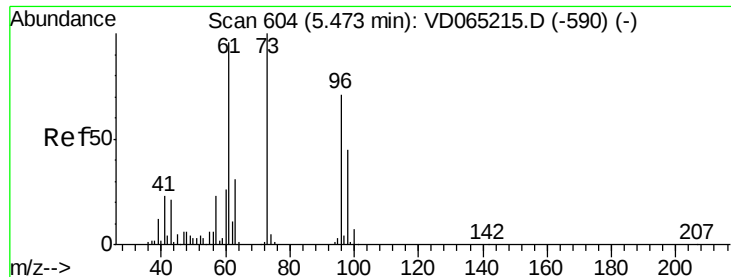


#20

Methylene Chloride
 Concen: 52.854 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Tgt Ion: 84 Resp: 239807
 Ion Ratio Lower Upper
 84 100
 49 127.6 103.1 154.7
 51 40.2 31.7 47.5
 86 68.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.109 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

ClientSampled :

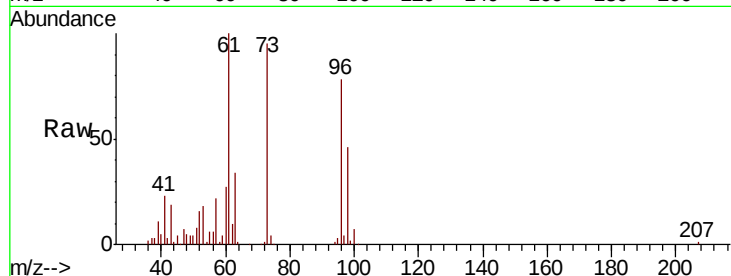
Tot Ion: 96 Resp: 245997

Ion Ratio Lower Upper

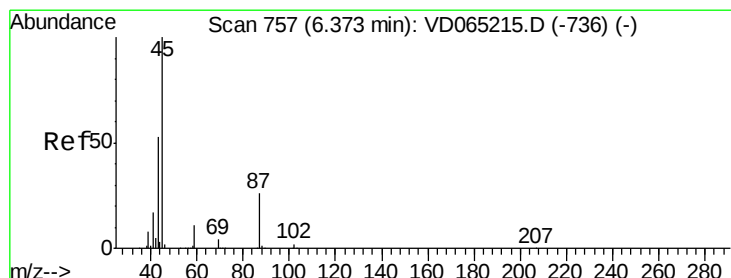
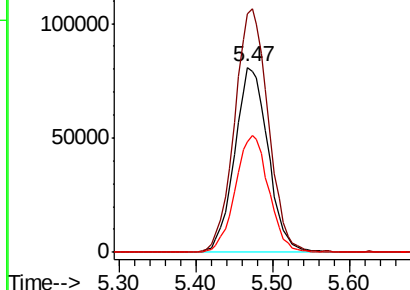
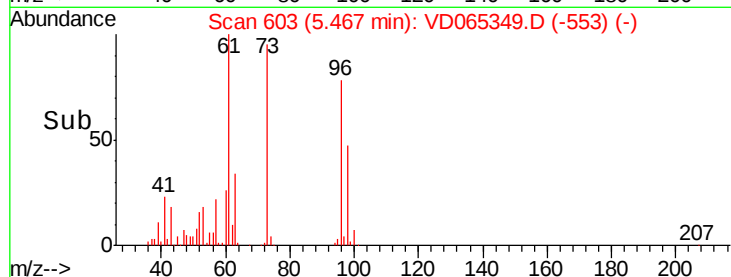
96 100

61 128.9 108.3 162.5

98 59.8 50.7 76.1



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



#22

Diisopropyl ether

Concen: 51.633 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Tgt Ion: 45 Resp: 698031

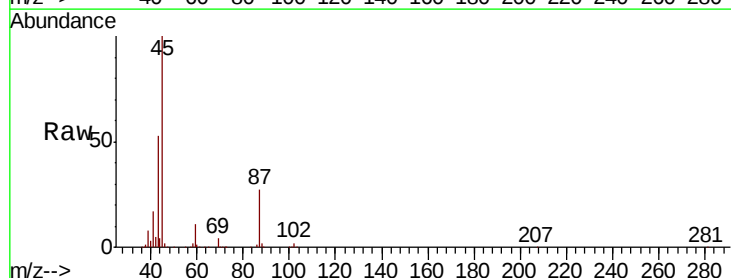
Ion Ratio Lower Upper

45 100

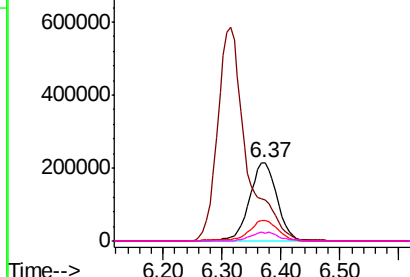
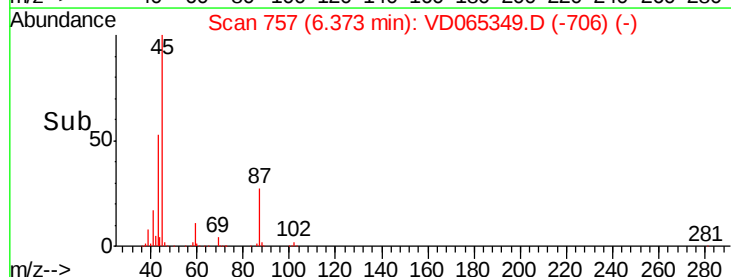
43 52.6 42.6 64.0

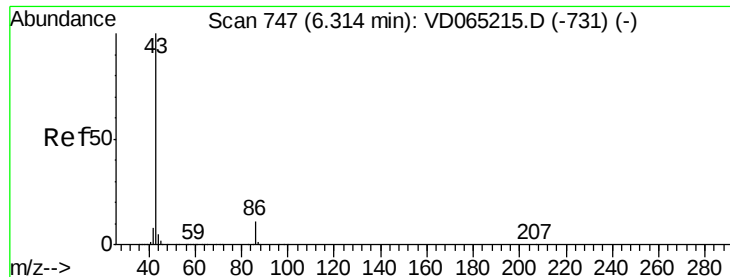
87 26.5 21.2 31.8

59 10.6 8.9 13.3



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





#23

Vinyl Acetate

Concen: 264.888 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

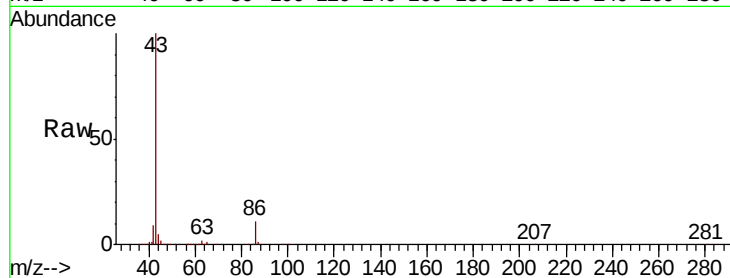
ClientSampleId :

Tot Ion: 43 Resp: 1974200

Ion Ratio Lower Upper

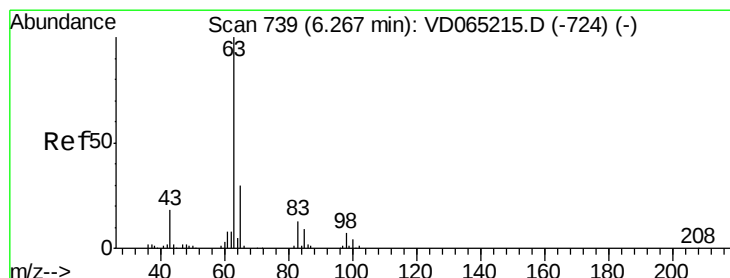
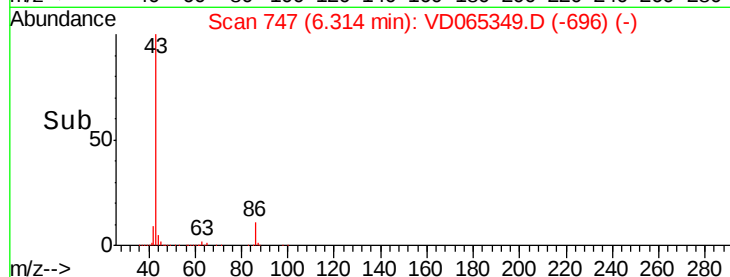
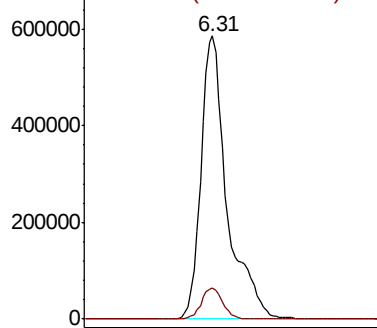
43 100

86 11.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.413 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

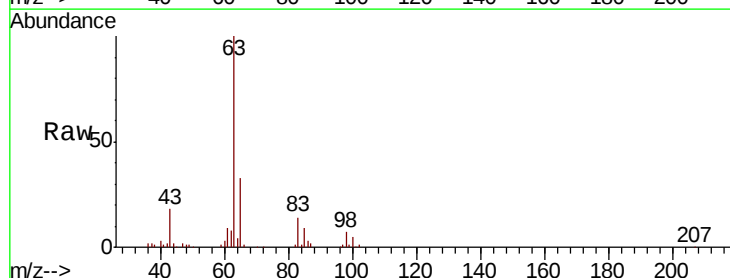
Tgt Ion: 63 Resp: 414346

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

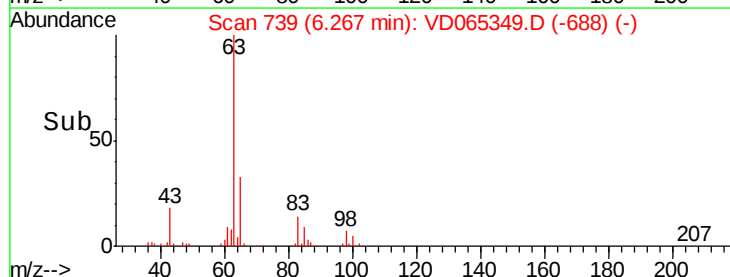
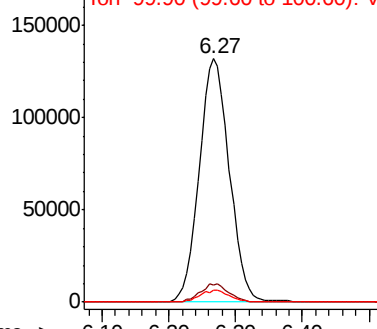
100 5.1 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 239.323 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

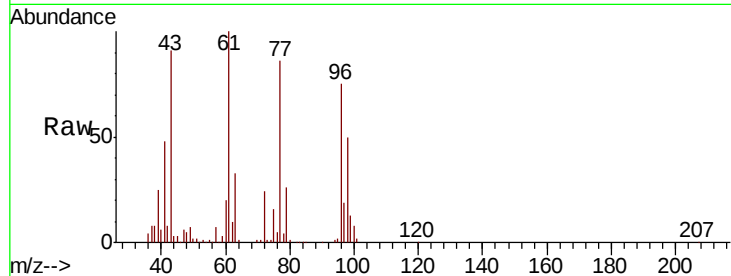
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 310148

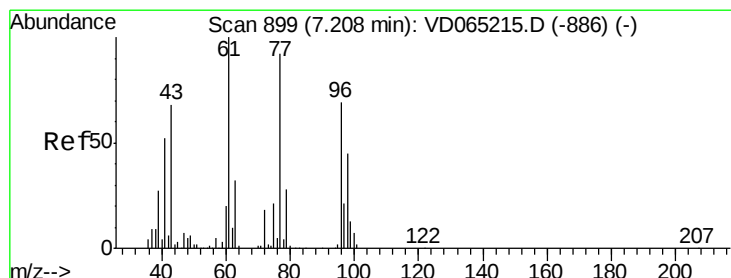
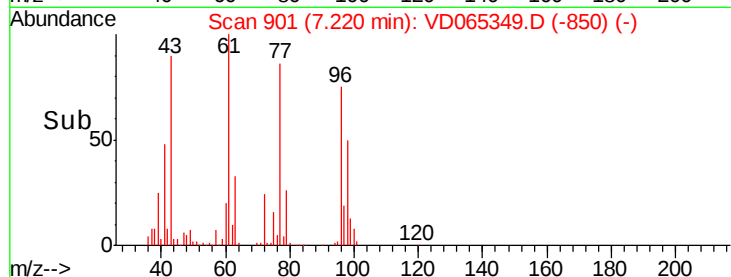
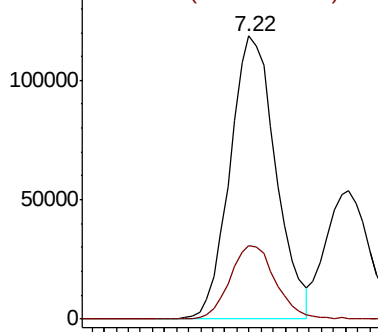
Ion Ratio Lower Upper

43 100

72 26.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.283 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065349.D

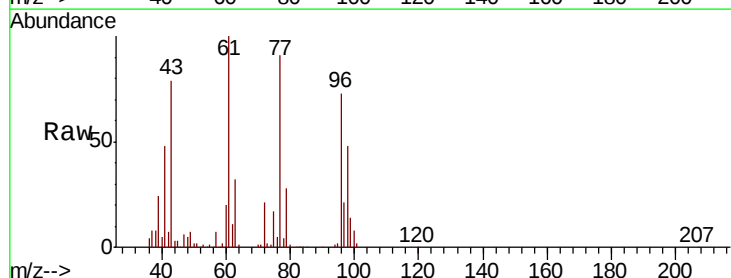
Acq: 27 Feb 2020 17:21

Tgt Ion: 77 Resp: 351279

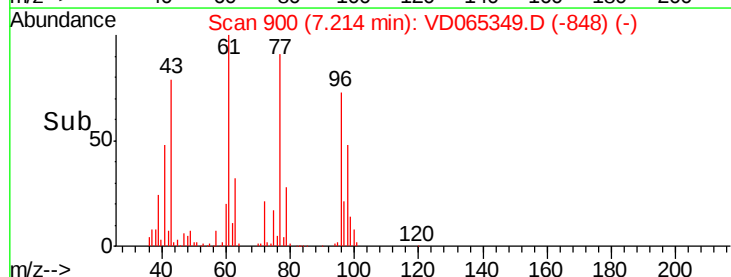
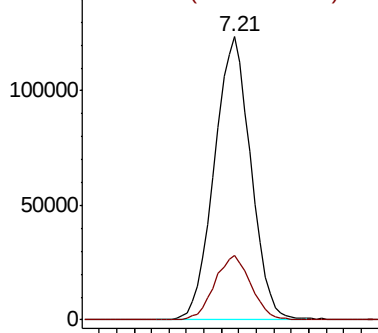
Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



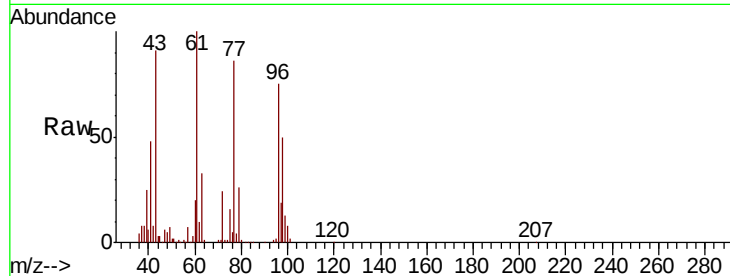


#27

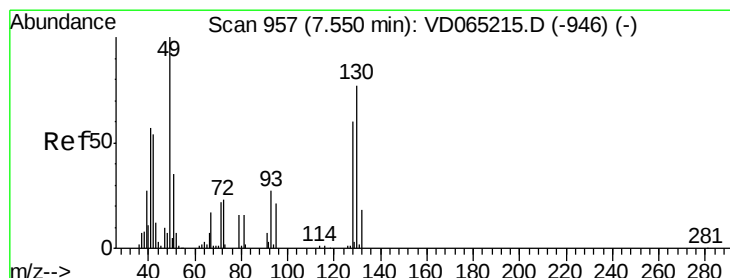
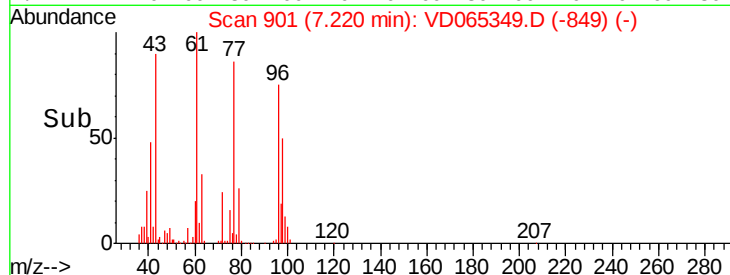
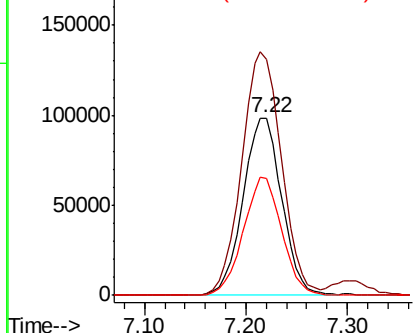
cis-1,2-Dichloroethene
Concen: 50.026 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	260141
Ion Ratio	Lower	Upper	
96	100		
61	141.4	0.0	286.0
98	66.0	0.0	127.8



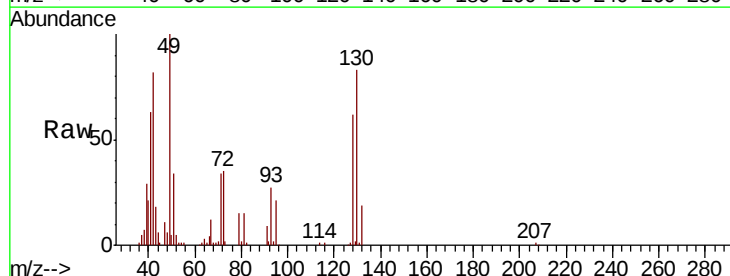
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



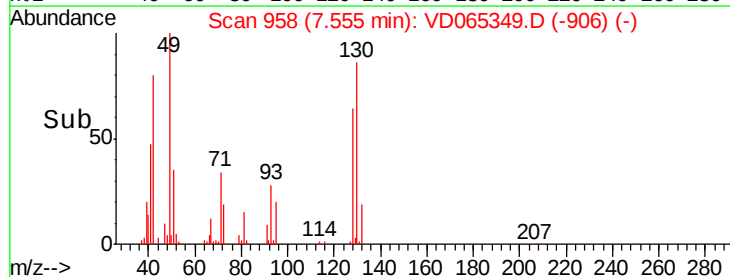
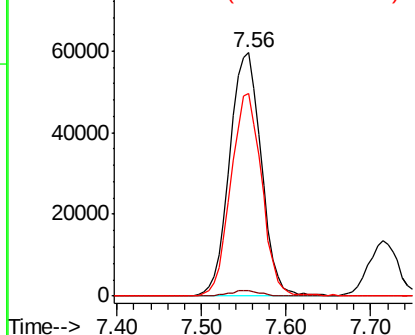
#28

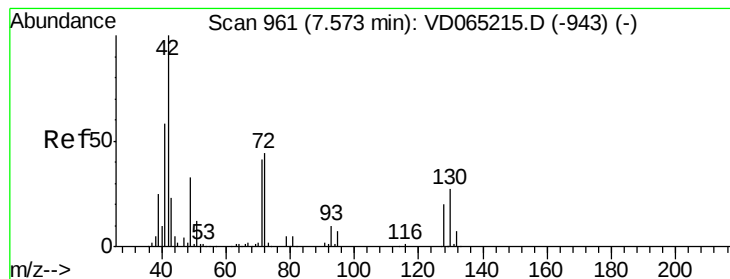
Bromochloromethane
Concen: 49.606 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion	49	Resp	154321
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.6
130	81.1	64.7	97.1



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: 260.850 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampleId :

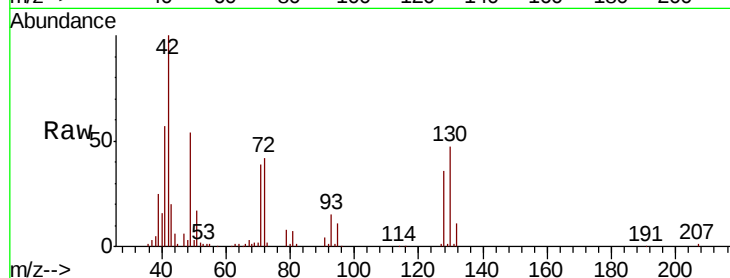
Tot Ion: 42 Resp: 198069

Ion Ratio Lower Upper

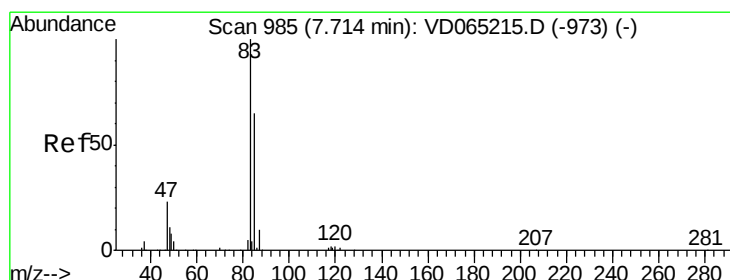
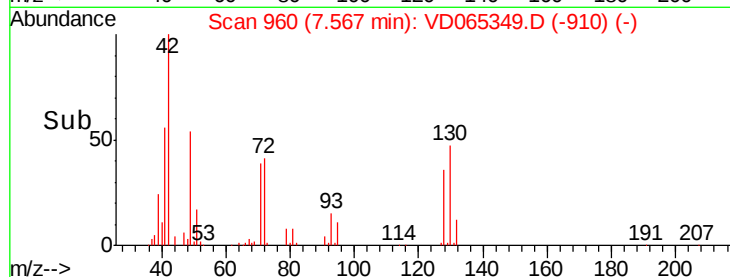
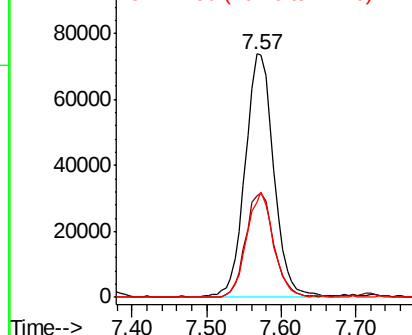
42 100

72 42.1 33.7 50.5

71 40.2 31.4 47.2



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: 49.767 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065349.D

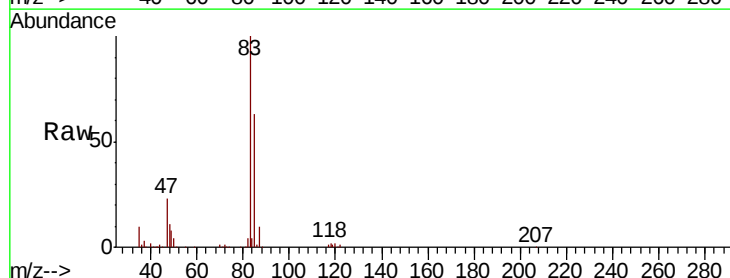
Acq: 27 Feb 2020 17:21

Tgt Ion: 83 Resp: 420434

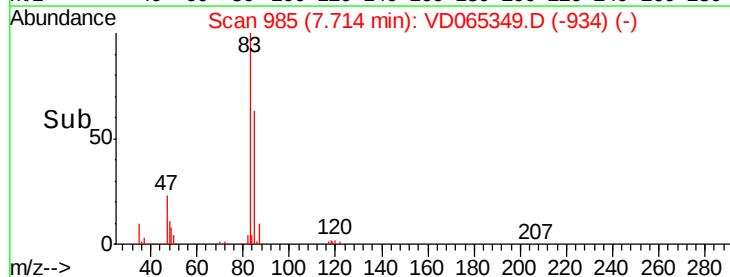
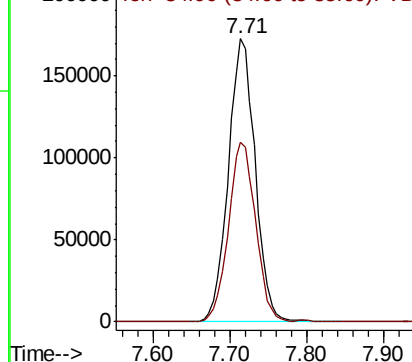
Ion Ratio Lower Upper

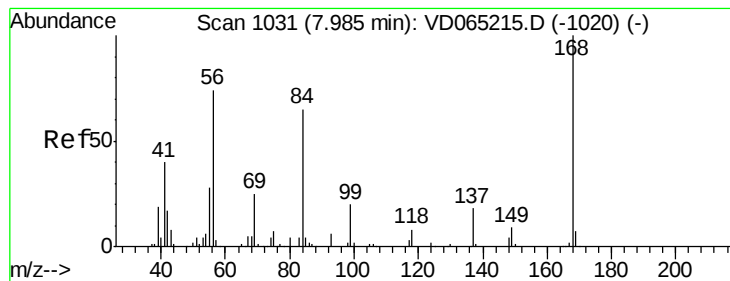
83 100

85 63.4 52.3 78.5



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





#31

Cyclohexane

Concen: 46.421 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampleId :

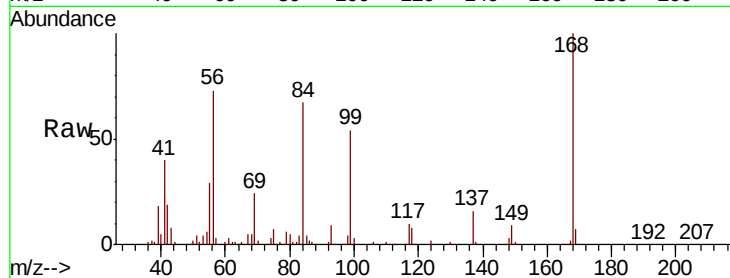
Tot Ion: 56 Resp: 382452

Ion Ratio Lower Upper

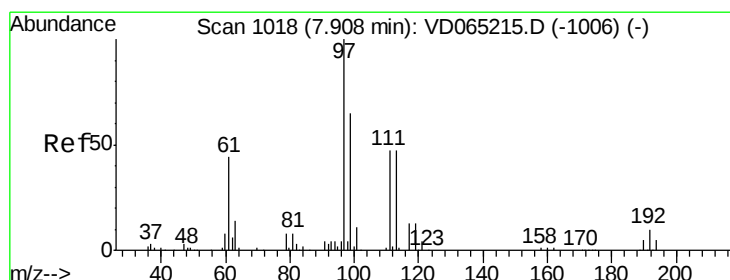
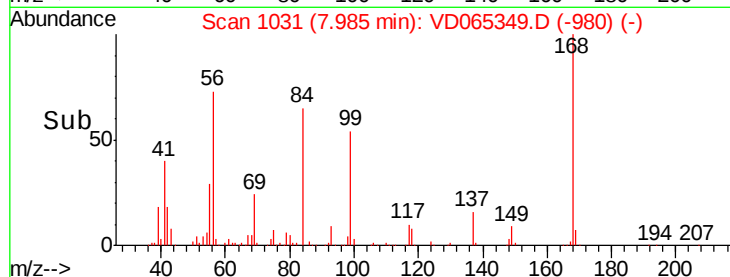
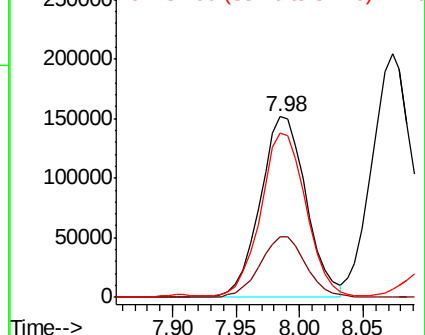
56 100

69 33.5 27.4 41.0

84 89.9 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 48.937 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

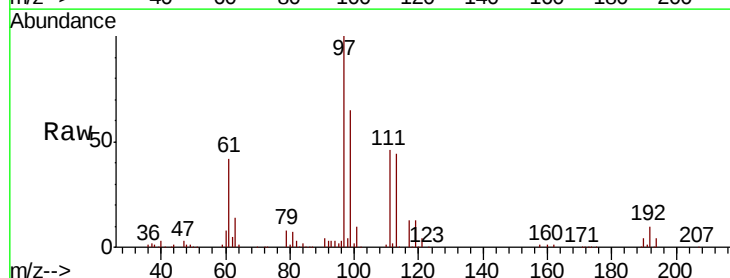
Tgt Ion: 97 Resp: 369895

Ion Ratio Lower Upper

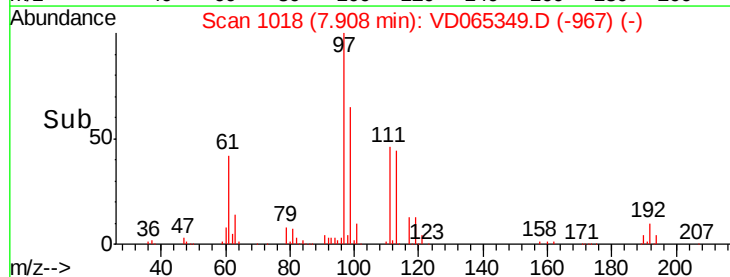
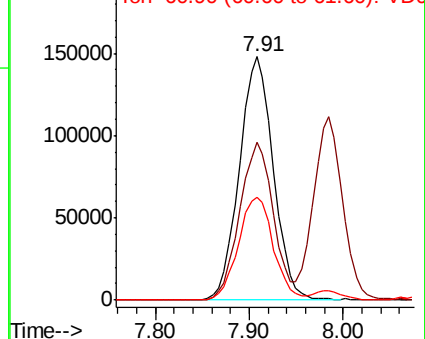
97 100

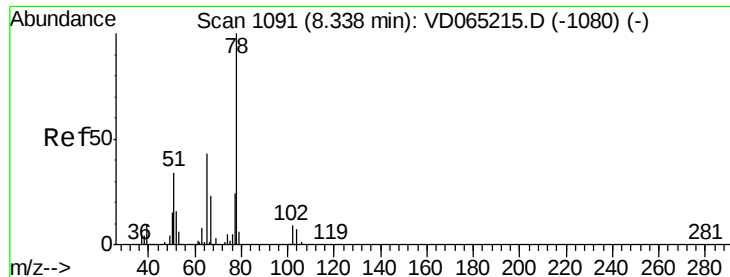
99 63.9 51.4 77.2

61 43.7 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: 49.754 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

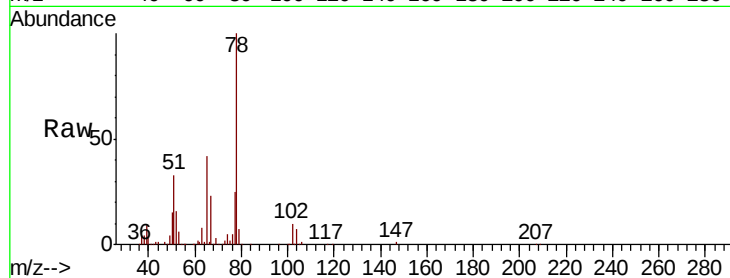
ClientSampled :

Tot Ion: 65 Resp: 208478

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

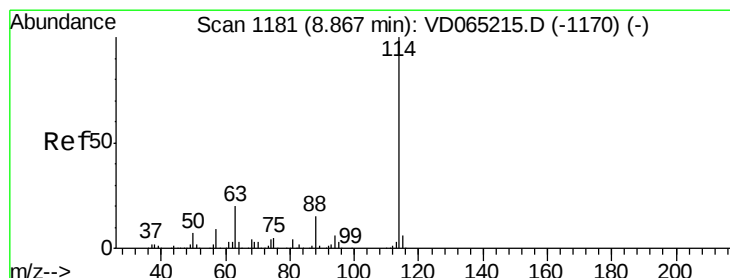
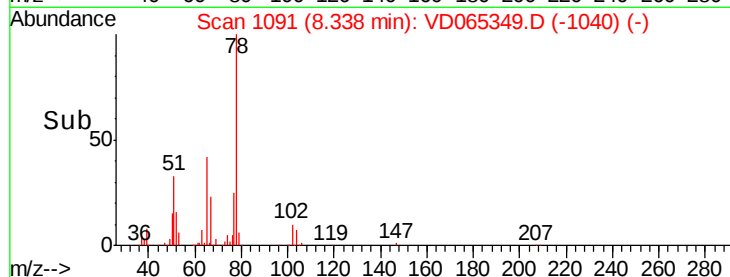
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

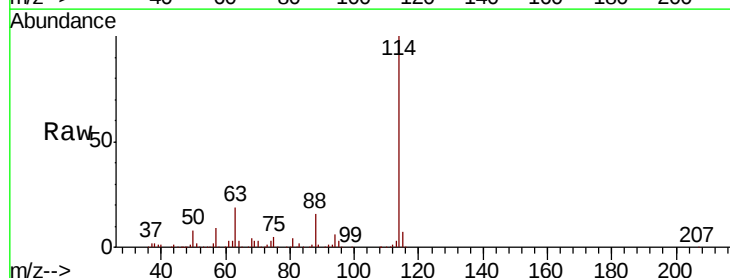
Tgt Ion: 114 Resp: 690659

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

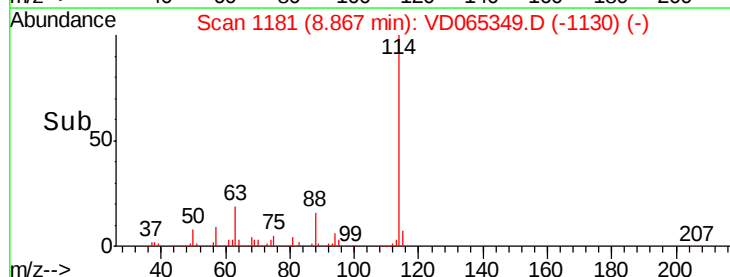
300000

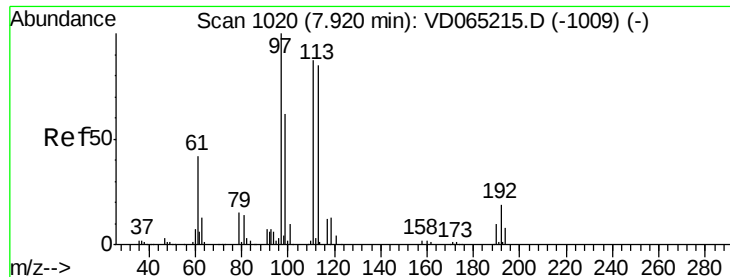
200000

100000

0

Time-->

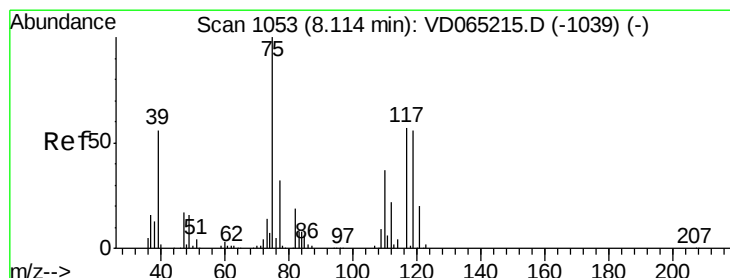
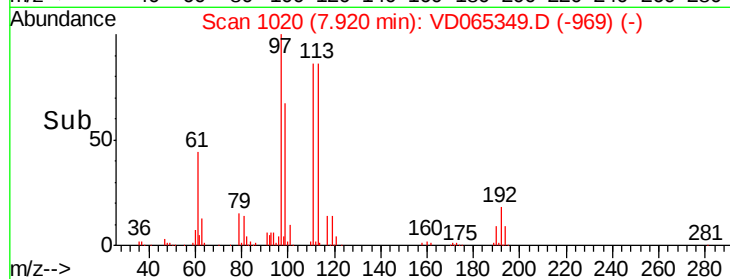
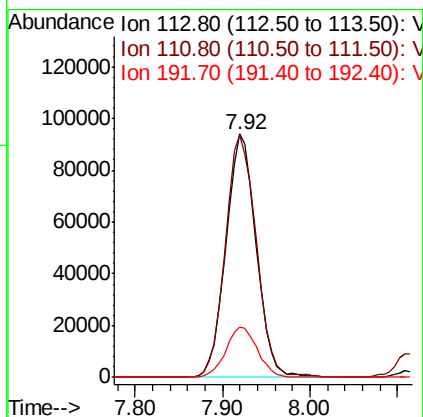
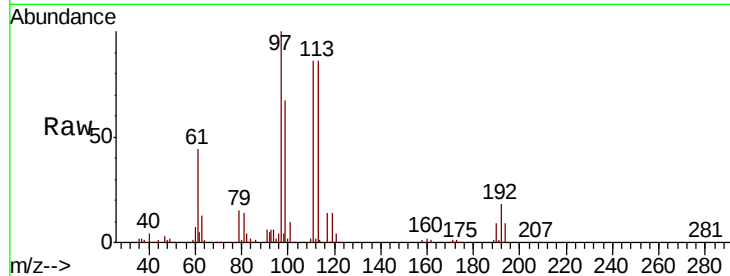




#35
 Dibromofluoromethane
 Concen: 52.503 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

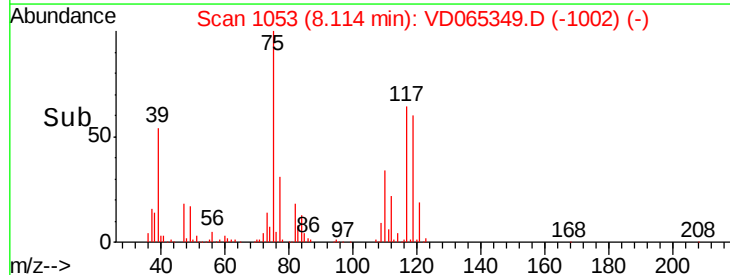
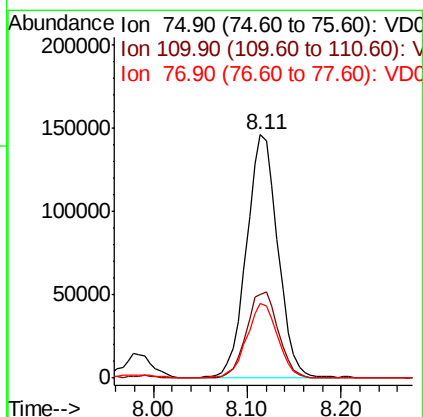
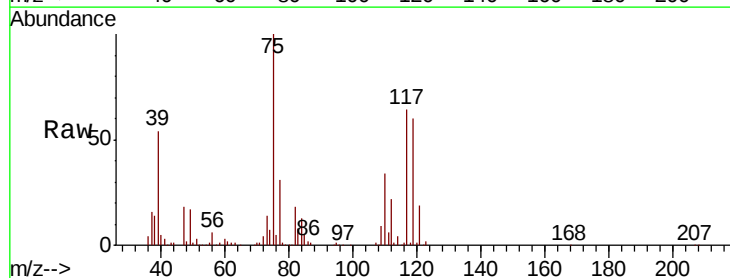
Instrument :
 MSVOA_D
 ClientSampleId :

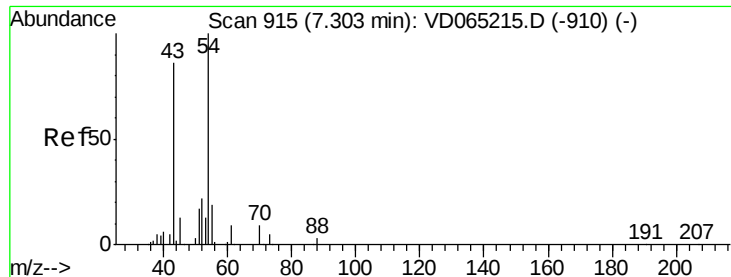
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	21.5	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 50.284 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.9	53.7
77	30.6	25.1	37.7

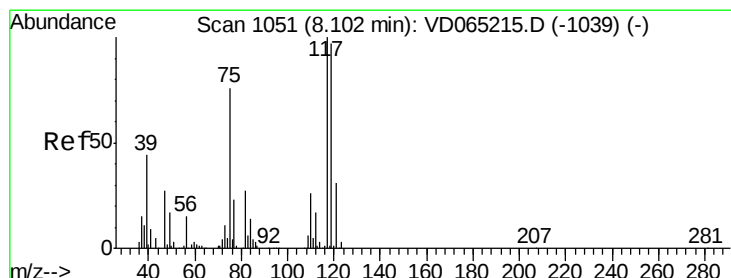
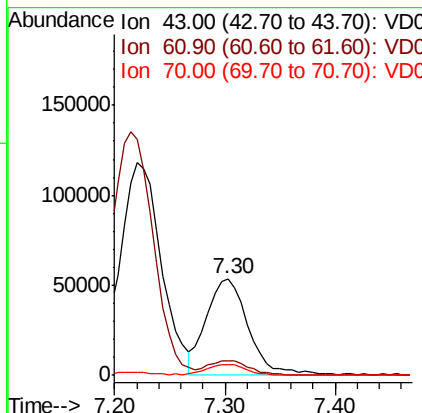
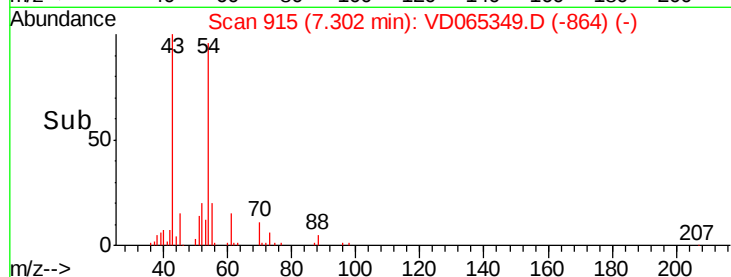
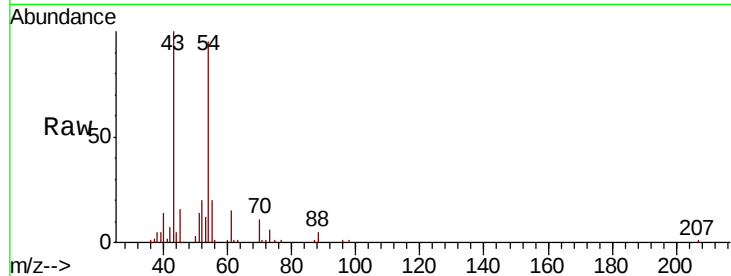




#37
Ethyl Acetate
Concen: 49.259 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

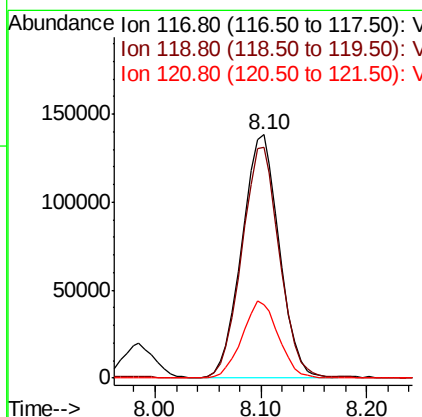
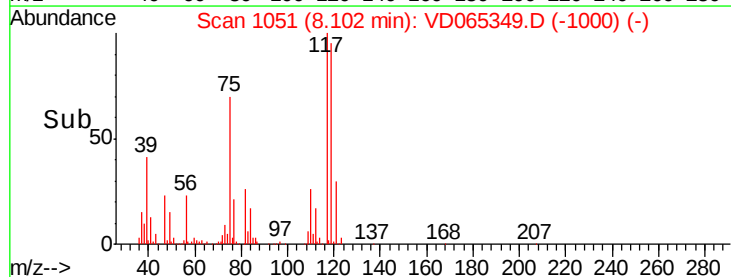
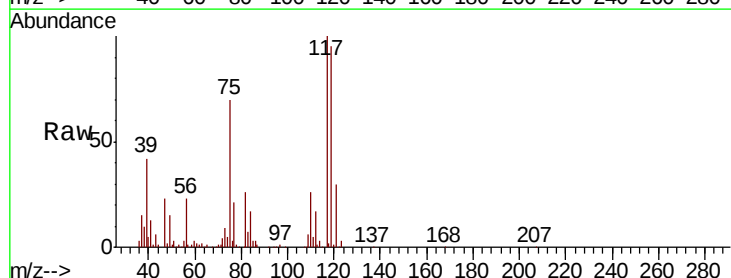
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 138384
Ion Ratio Lower Upper
43 100
61 15.0 11.2 16.8
70 10.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 49.606 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion: 117 Resp: 339354
Ion Ratio Lower Upper
117 100
119 94.9 77.6 116.4
121 30.1 24.8 37.2

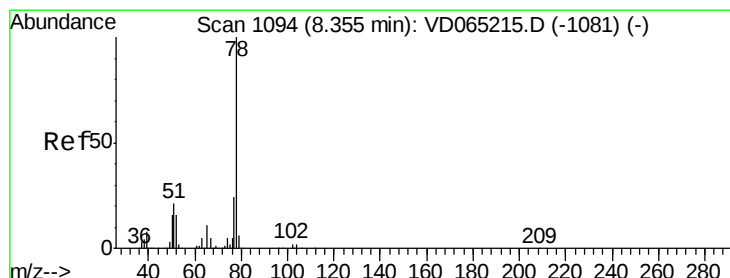
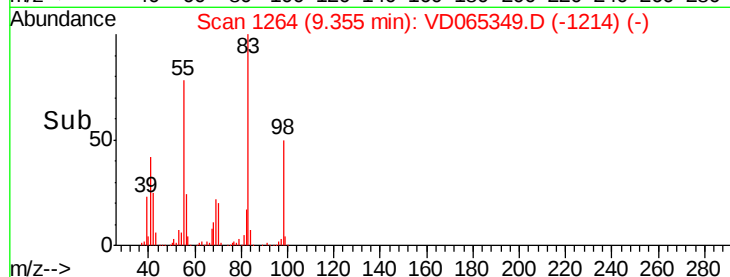
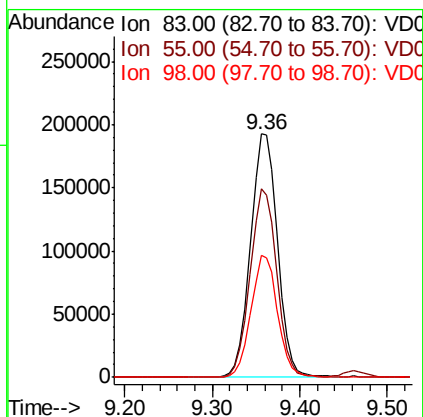
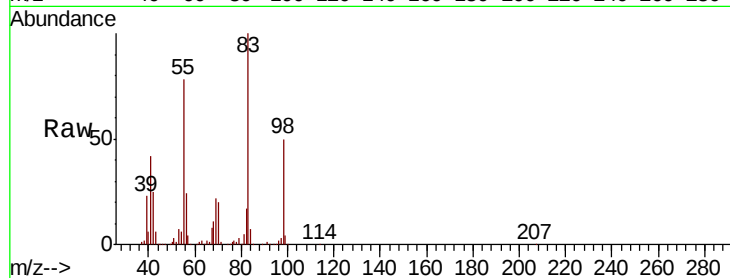




#39
Methvlcvclohexane
Concen: 51.265 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

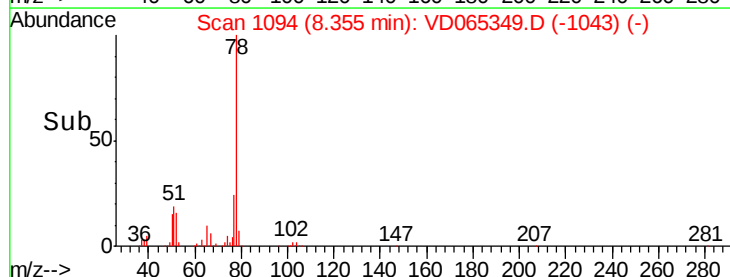
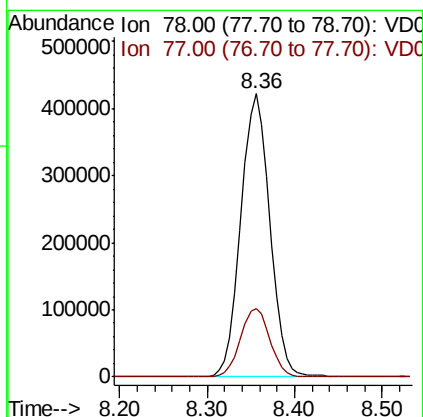
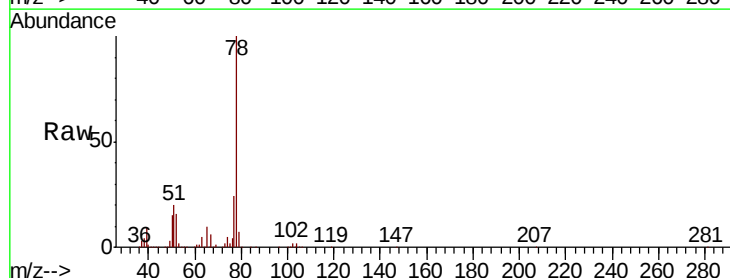
Instrument :
MSVOA_D
ClientSampleId :

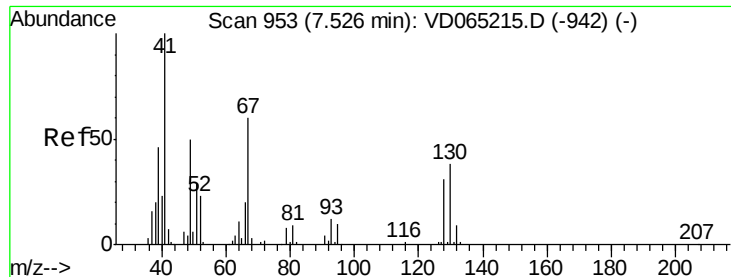
Tot Ion: 83 Resp: 405018
Ion Ratio Lower Upper
83 100
55 77.7 61.8 92.6
98 50.2 39.4 59.0



#40
Benzene
Concen: 50.003 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion: 78 Resp: 948467
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

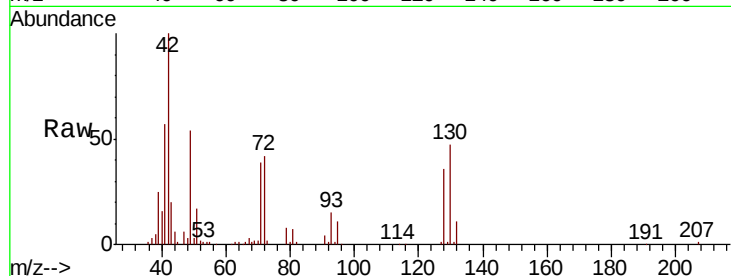




#41
Methacrylonitrile
Concen: 119.420 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.1	72.1#
67	0.0	58.9	88.3#
52	0.0	24.2	36.2#



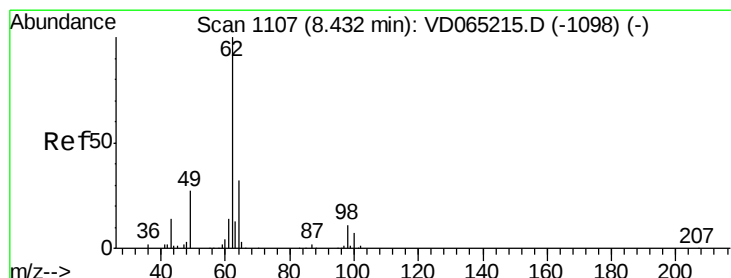
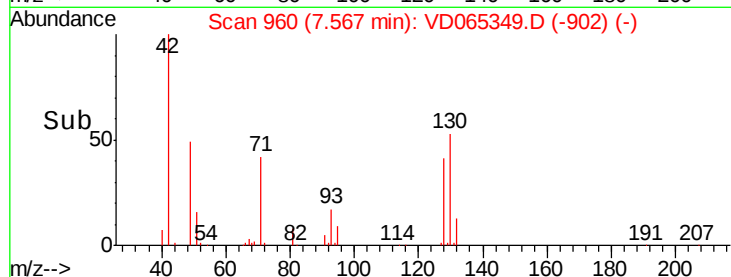
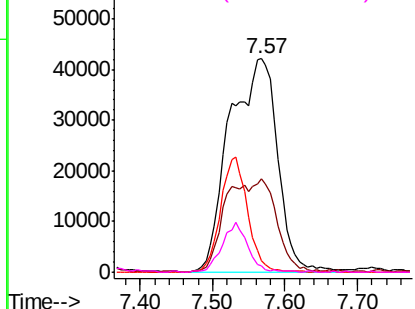
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

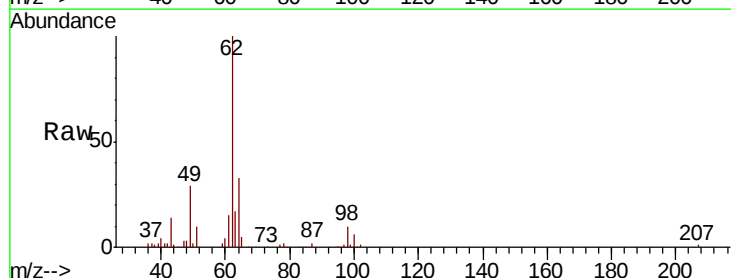
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 48.177 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

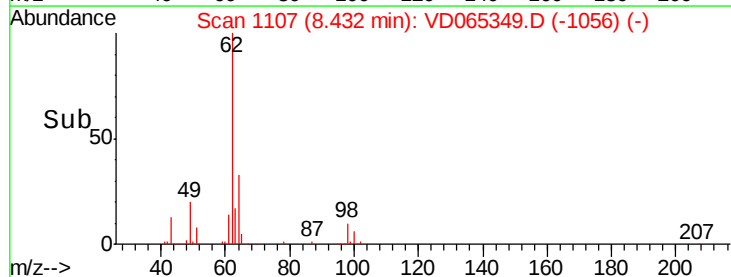
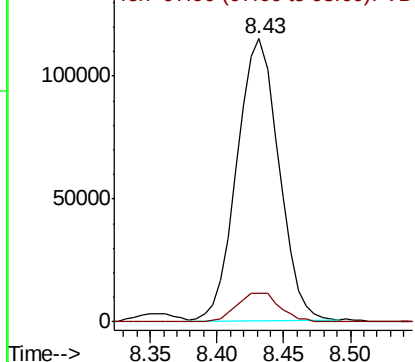
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6

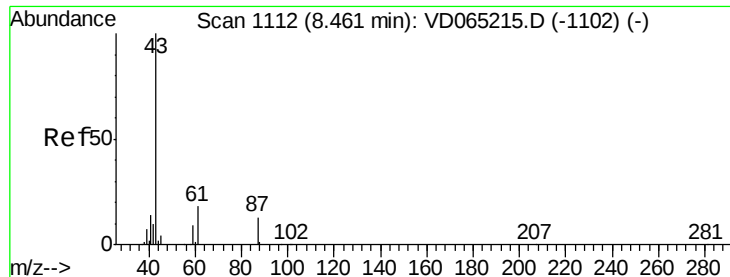


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.711 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

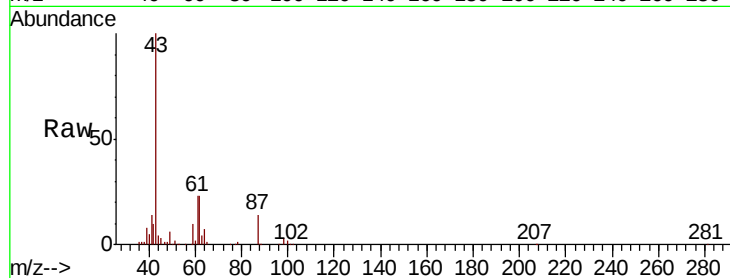
Tot Ion: 43 Resp: 259065

Ion Ratio Lower Upper

43 100

61 31.3 24.6 36.8

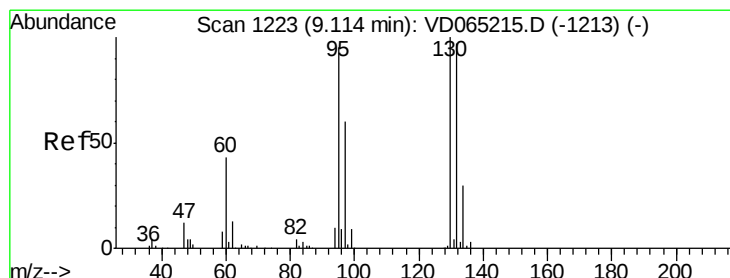
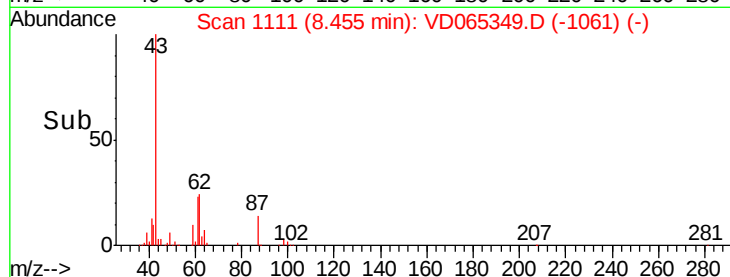
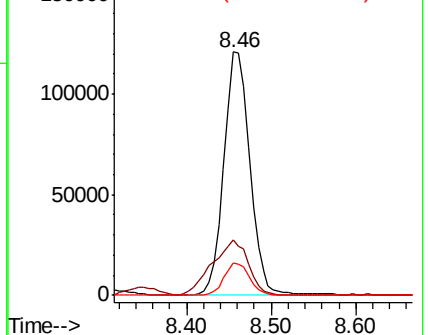
87 13.1 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.506 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065349.D

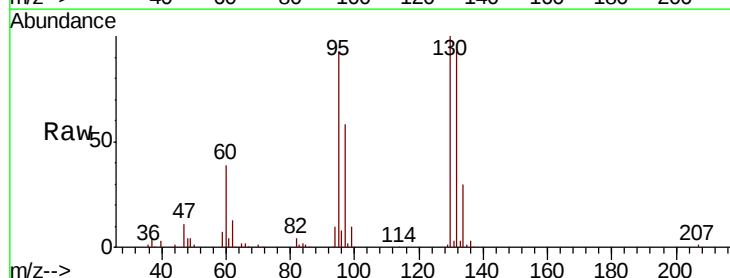
Acq: 27 Feb 2020 17:21

Tgt Ion:130 Resp: 265555

Ion Ratio Lower Upper

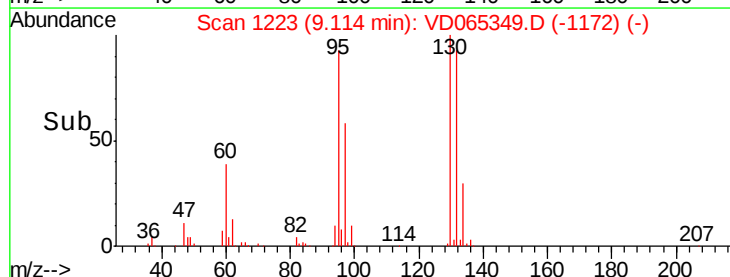
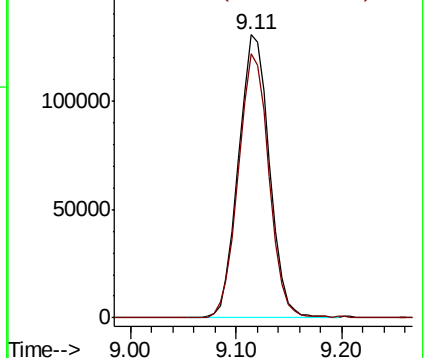
130 100

95 93.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.671 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

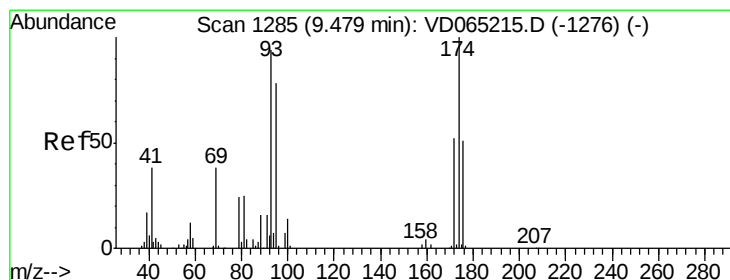
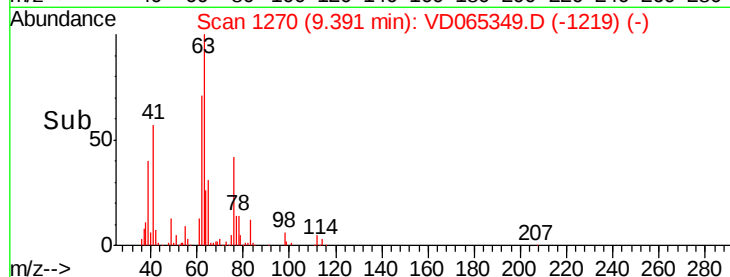
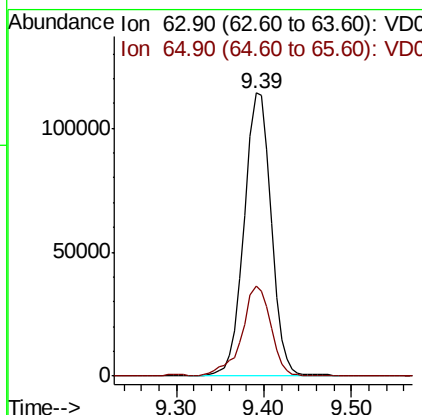
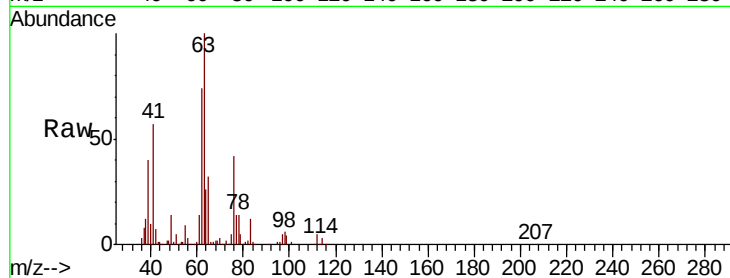
ClientSampleId :

Tot Ion: 63 Resp: 238996

Ion Ratio Lower Upper

63 100

65 31.8 24.9 37.3



#46

Dibromomethane

Concen: 51.410 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

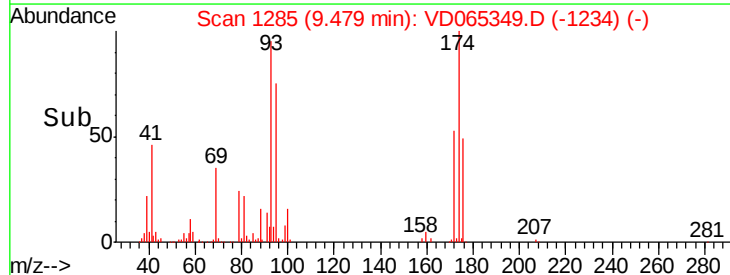
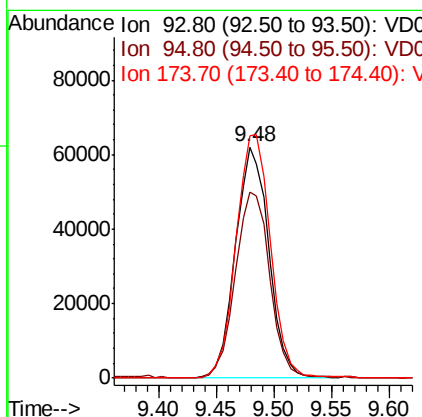
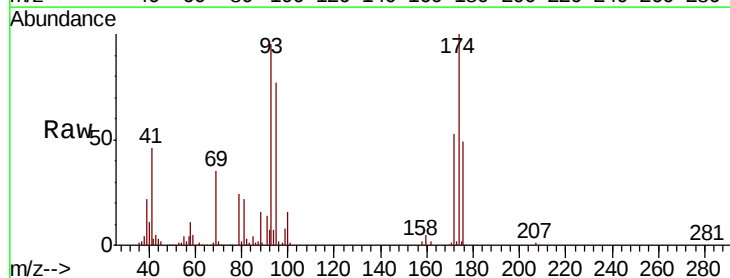
Tgt Ion: 93 Resp: 124761

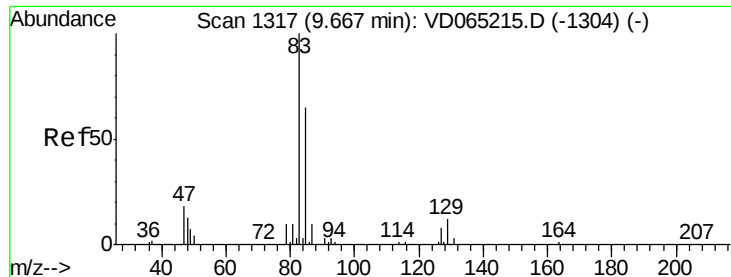
Ion Ratio Lower Upper

93 100

95 83.0 65.8 98.6

174 108.8 86.8 130.2

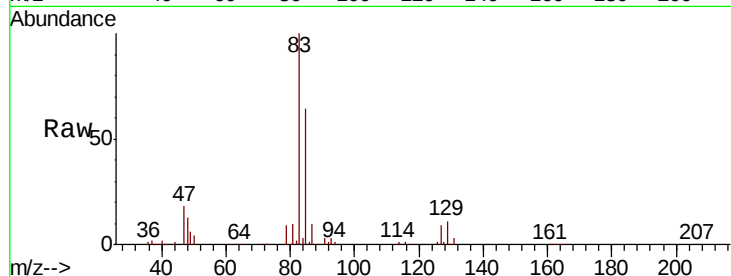




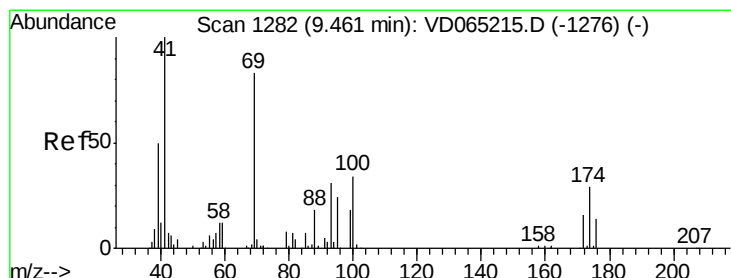
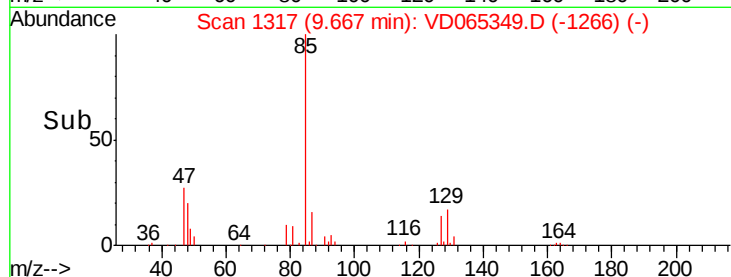
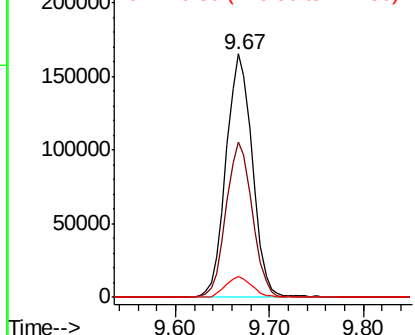
#47
Bromodichloromethane
Concen: 50.460 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 322712
Ion Ratio Lower Upper
83 100
85 64.0 52.0 78.0
127 8.6 6.7 10.1

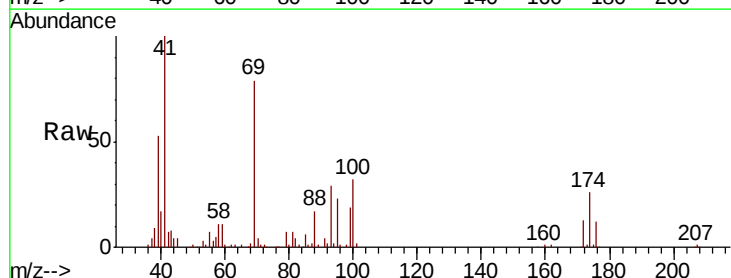


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

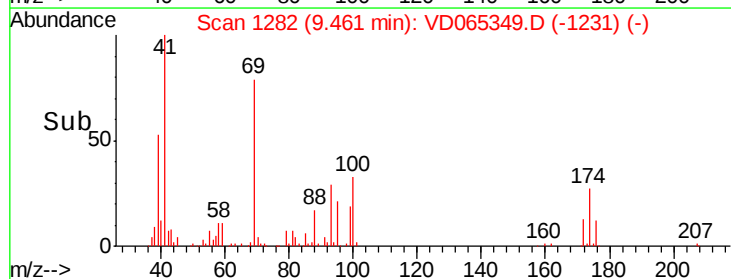
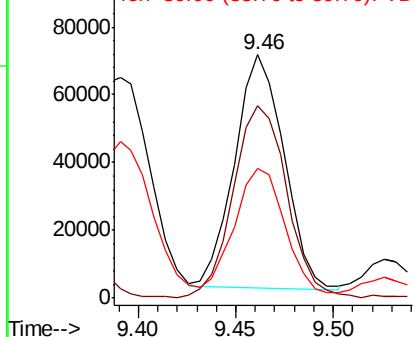


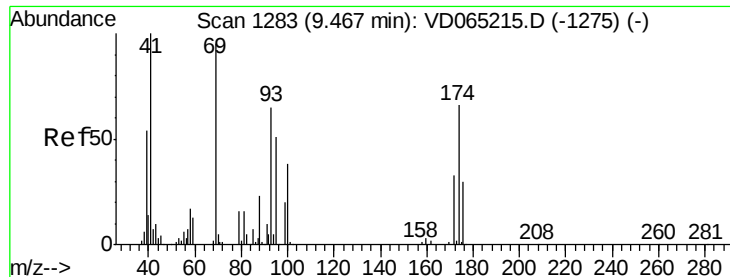
#48
Methyl methacrylate
Concen: 51.067 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion: 41 Resp: 120589
Ion Ratio Lower Upper
41 100
69 89.0 68.2 102.2
39 53.1 42.0 63.0



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

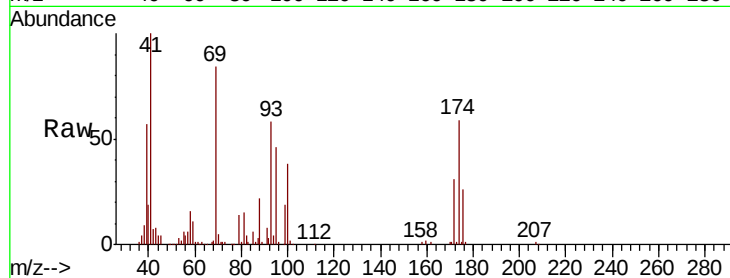




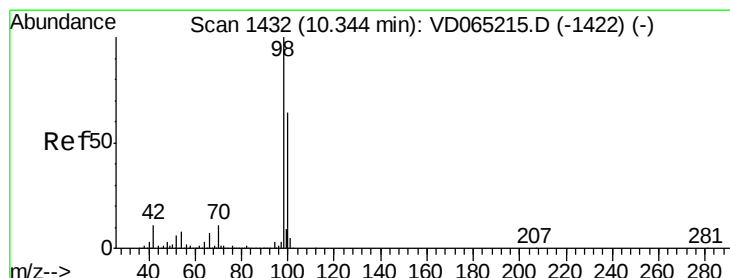
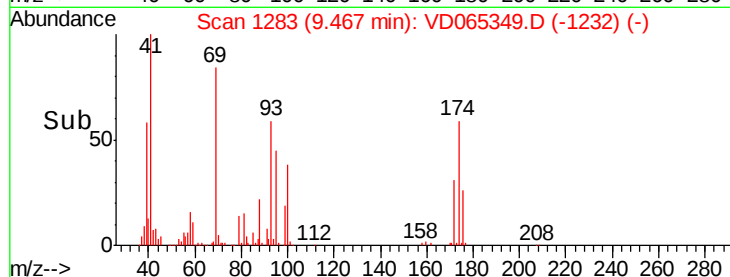
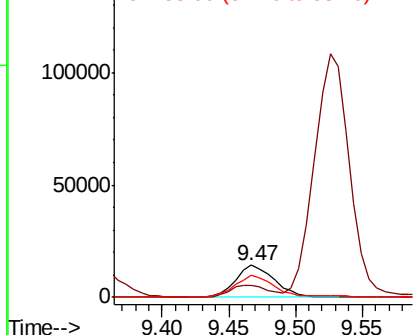
#49
1,4-Dioxane
Concen: 1018.107 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 28978
Ion Ratio Lower Upper
88 100
43 36.5 28.5 42.7
58 68.8 58.6 87.8

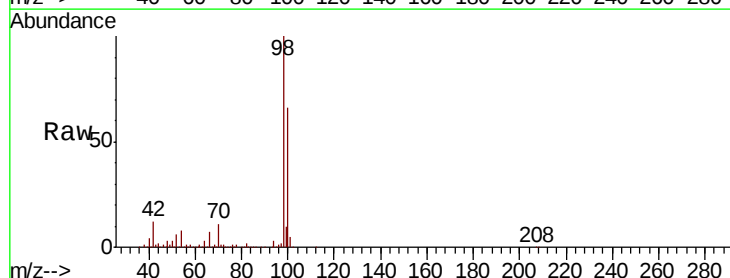


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

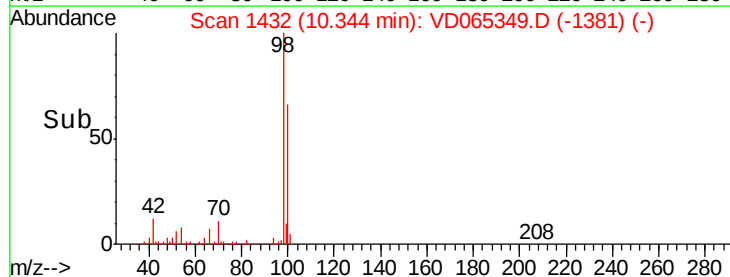
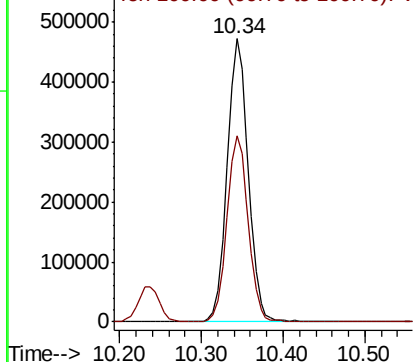


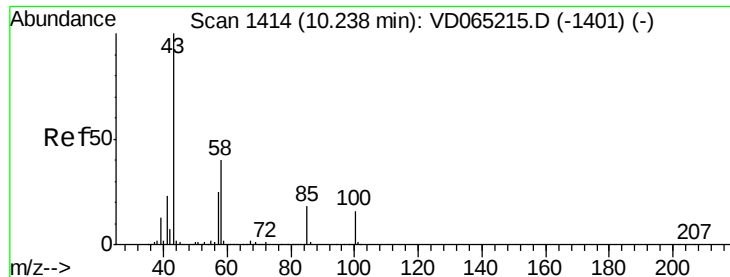
#50
Toluene-d8
Concen: 52.492 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion: 98 Resp: 845082
Ion Ratio Lower Upper
98 100
100 66.3 52.0 78.0



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: 260.548 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

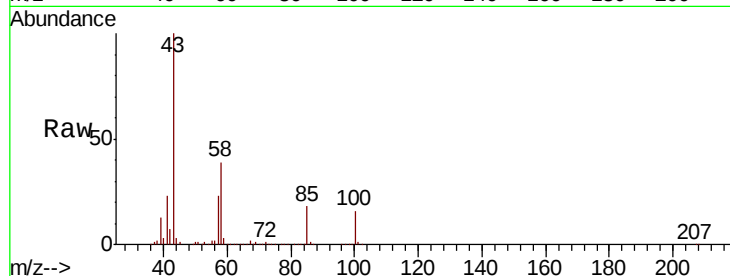
ClientSampleId :

Tot Ion: 43 Resp: 676062

Ion Ratio Lower Upper

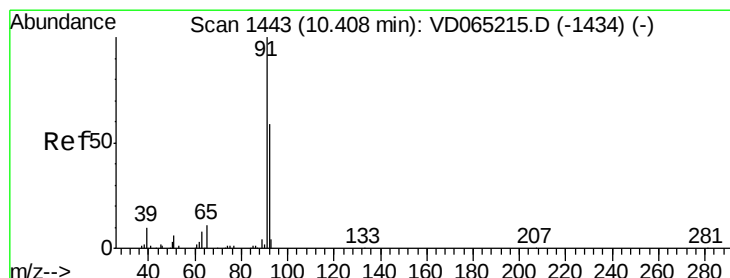
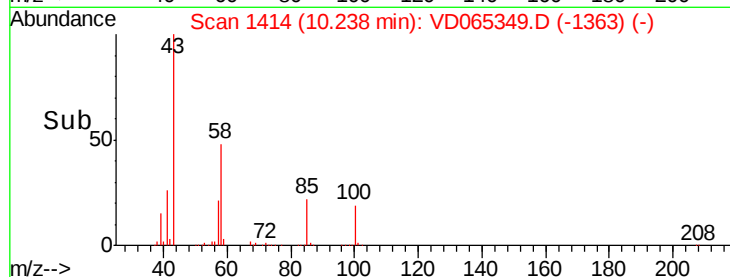
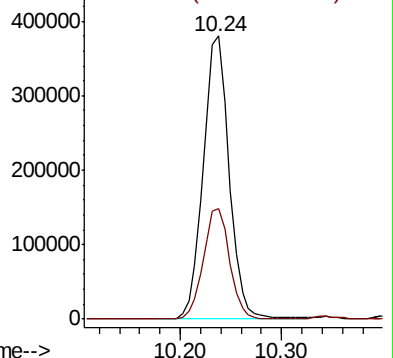
43 100

58 39.6 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.209 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065349.D

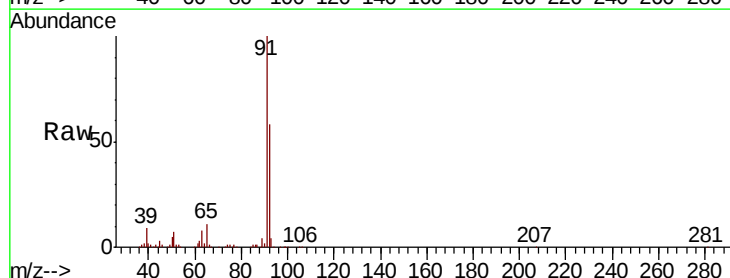
Acq: 27 Feb 2020 17:21

Tgt Ion: 92 Resp: 612986

Ion Ratio Lower Upper

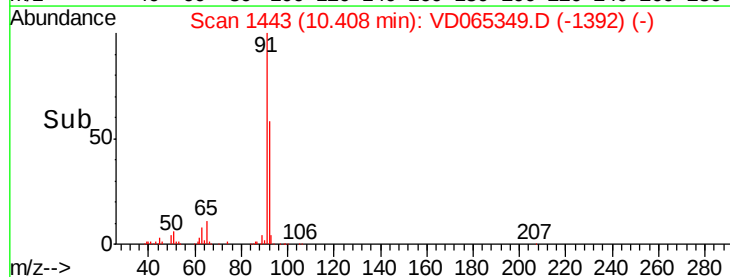
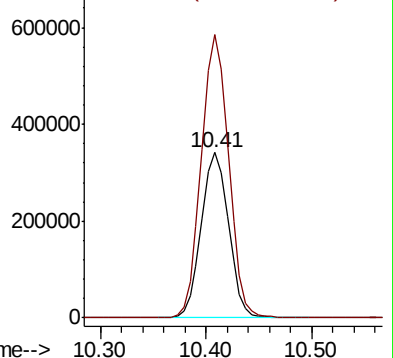
92 100

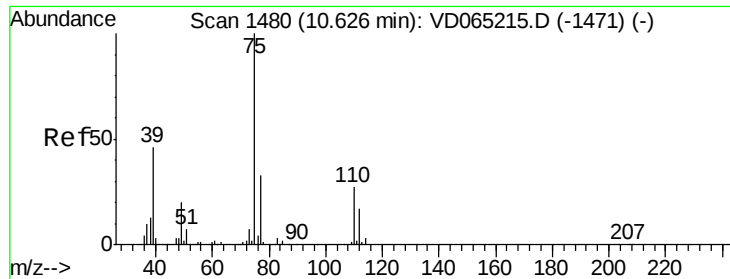
91 171.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.612 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

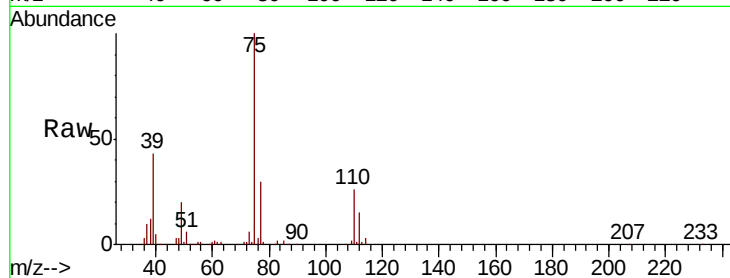
ClientSampleId :

Tot Ion: 75 Resp: 311886

Ion Ratio Lower Upper

75 100

77 30.4 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

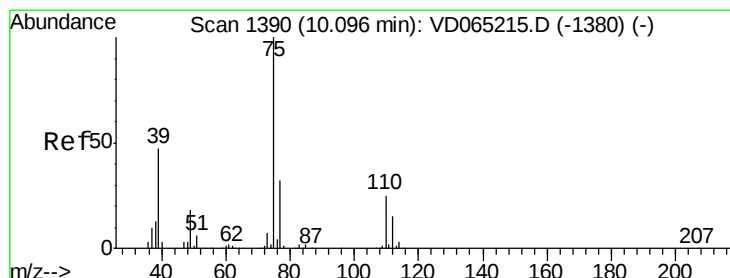
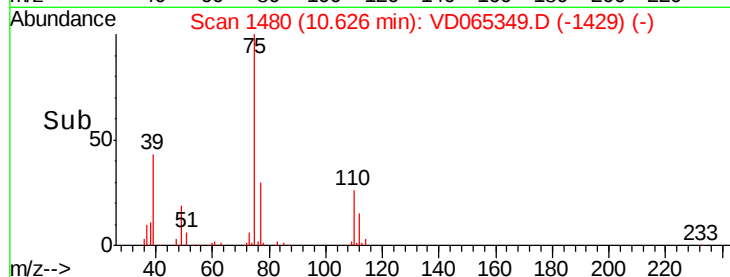
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.052 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

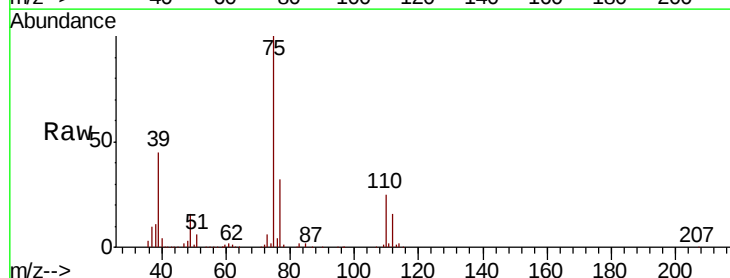
Tgt Ion: 75 Resp: 372608

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 45.0 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

250000

200000

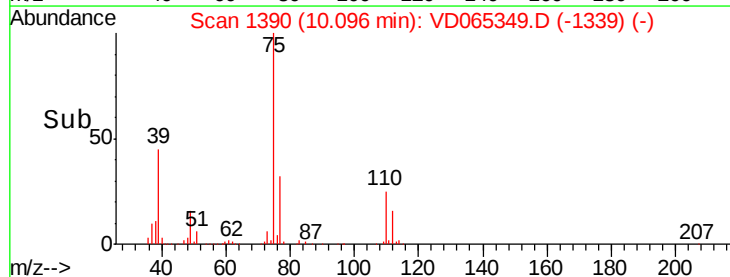
150000

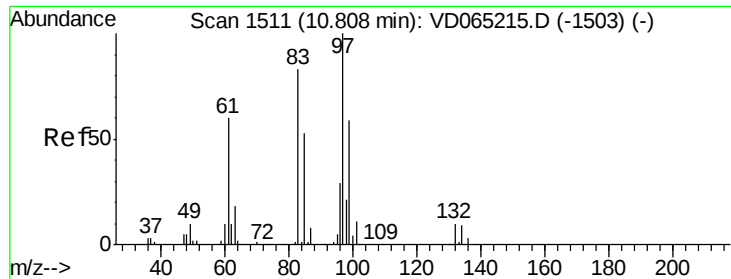
100000

50000

0

Time-->

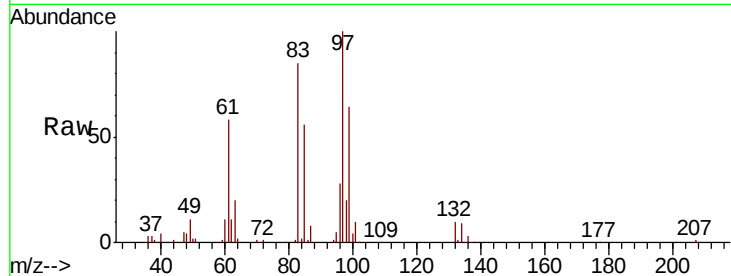




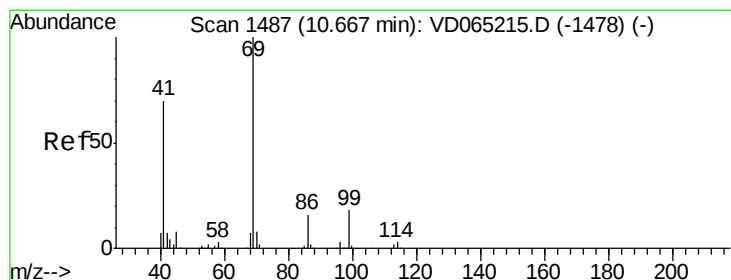
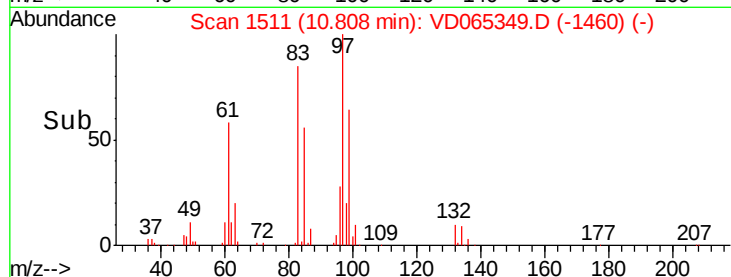
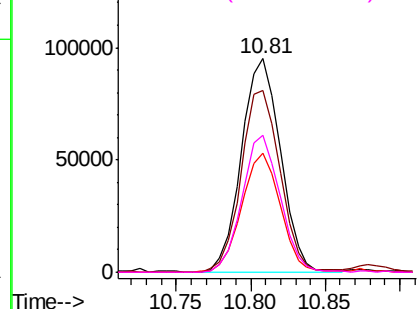
#55
 1,1,2-Trichloroethane
 Concen: 50.797 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:	97	Resp:	173509
Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.7	100.1
85	56.0	42.4	63.6
99	64.1	47.5	71.3

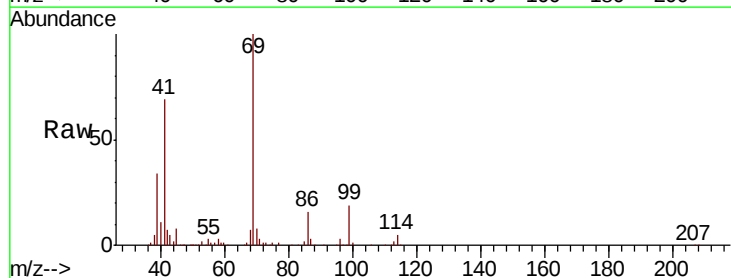


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

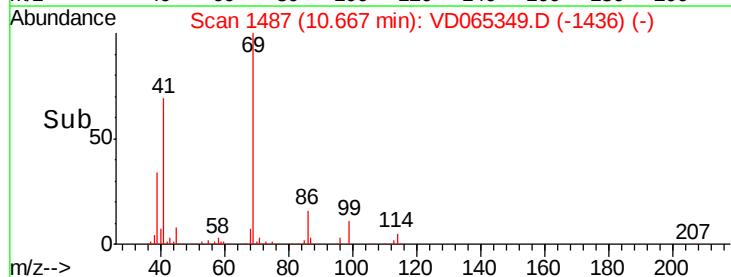
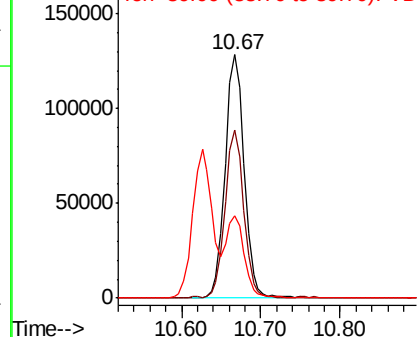


#56
 Ethyl methacrylate
 Concen: 54.264 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Tgt Ion:	69	Resp:	213937
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.6	81.8
39	31.8	26.5	39.7



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

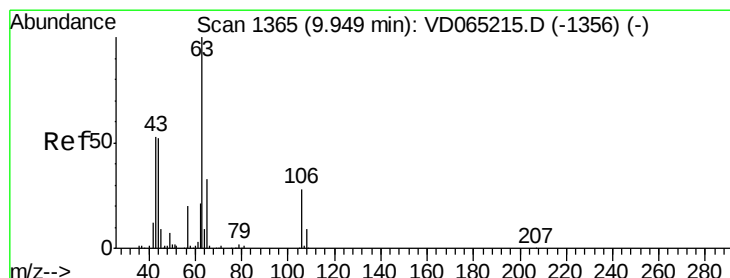
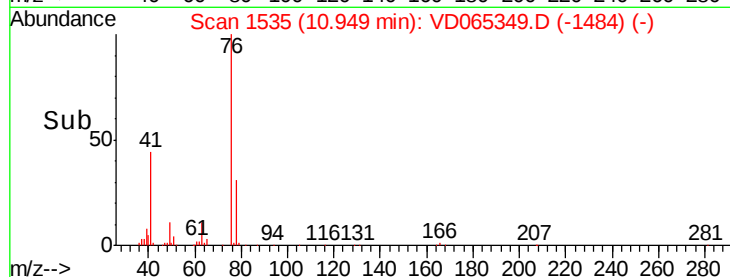
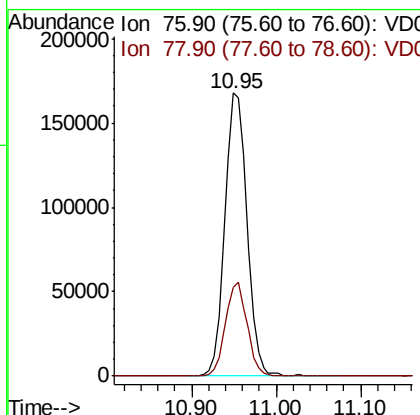
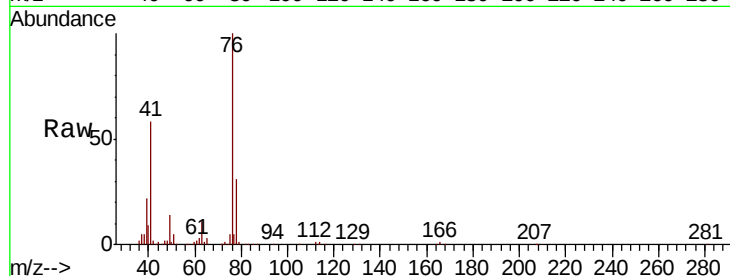




#57
 1,3-Dichloropropane
 Concen: 52.079 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

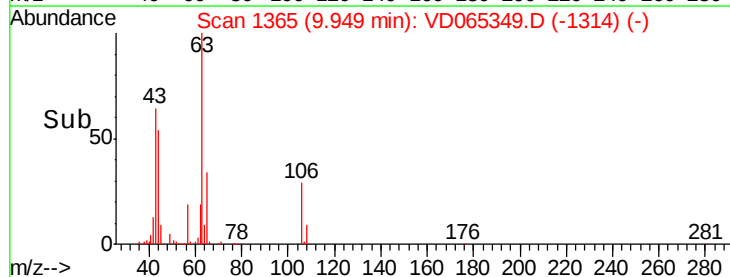
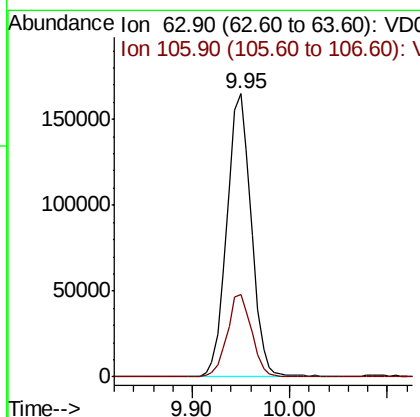
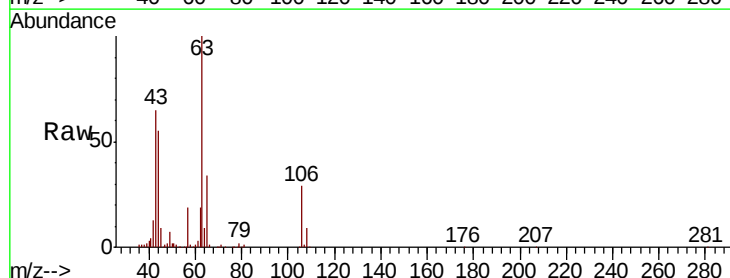
Instrument :
 MSVOA_D
 ClientSampleId :

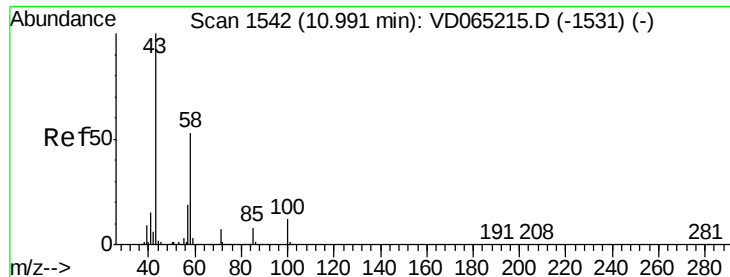
Tot Ion: 76 Resp: 302762
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.744 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Tgt Ion: 63 Resp: 286805
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.8 34.2

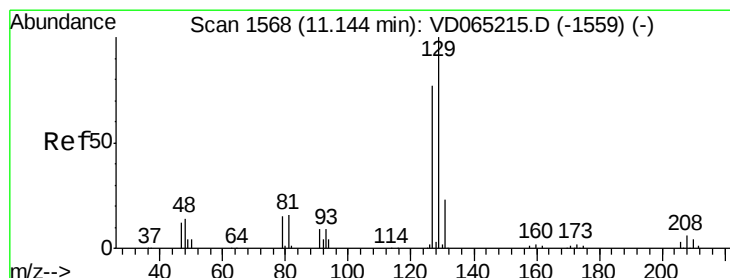
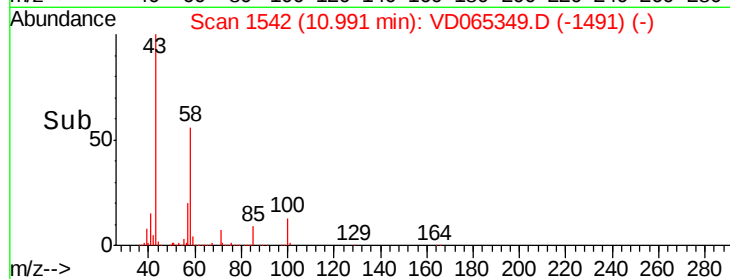
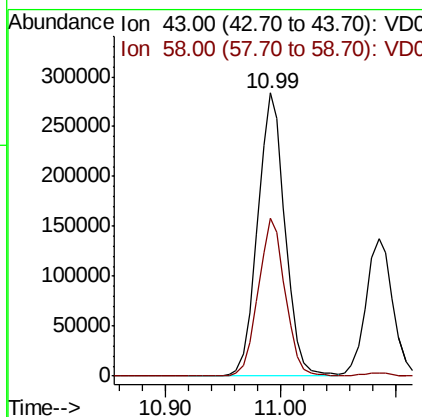
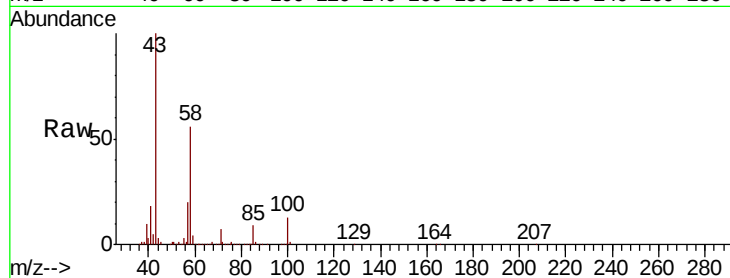




#59
2-Hexanone
Concen: 252.632 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

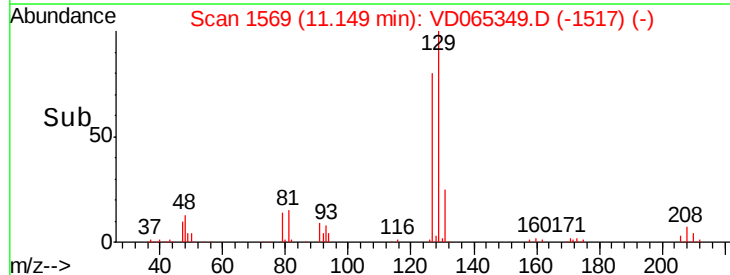
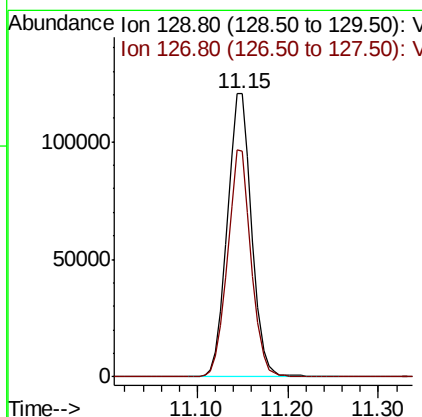
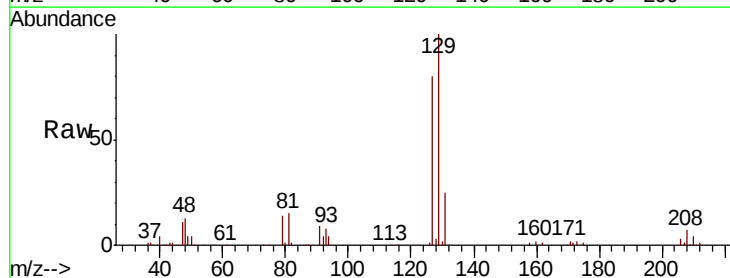
Instrument :
MSVOA_D
ClientSampleId :

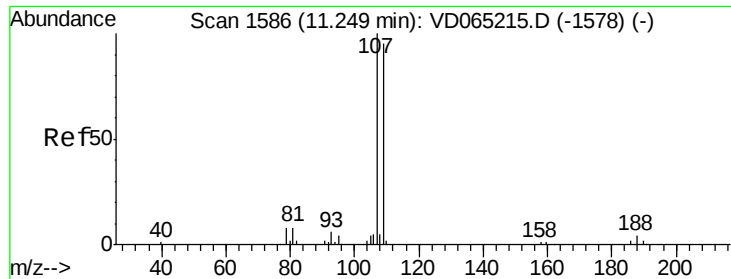
Tot Ion: 43 Resp: 469248
Ion Ratio Lower Upper
43 100
58 54.9 26.3 78.8



#60
Dibromochloromethane
Concen: 51.471 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion:129 Resp: 225025
Ion Ratio Lower Upper
129 100
127 77.7 38.7 116.1





#61

1,2-Dibromoethane

Concen: 51.835 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

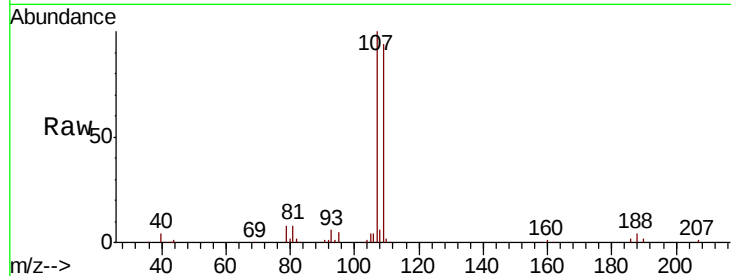
ClientSampled :

Tot Ion:107 Resp: 167638

Ion Ratio Lower Upper

107 100

109 93.9 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

100000

80000

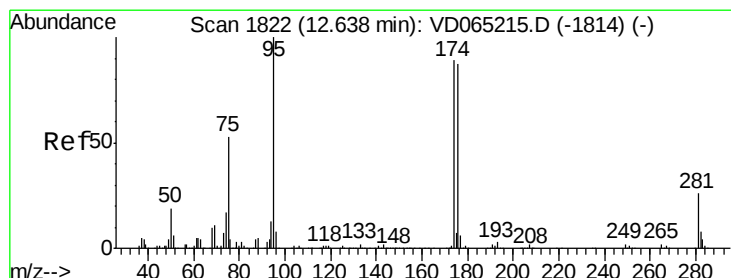
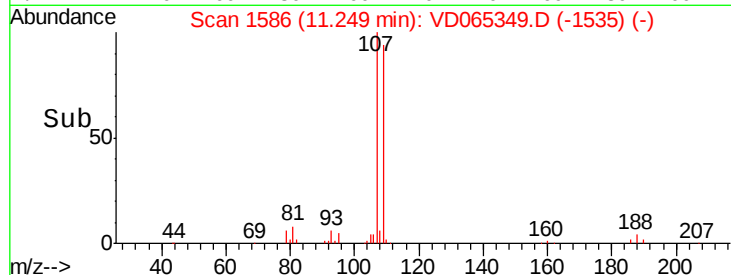
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.665 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

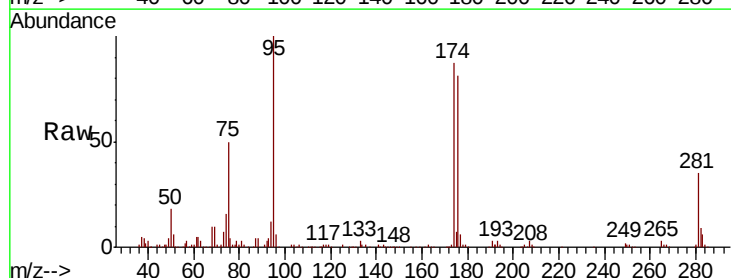
Tgt Ion: 95 Resp: 273696

Ion Ratio Lower Upper

95 100

174 87.8 0.0 178.0

176 84.9 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

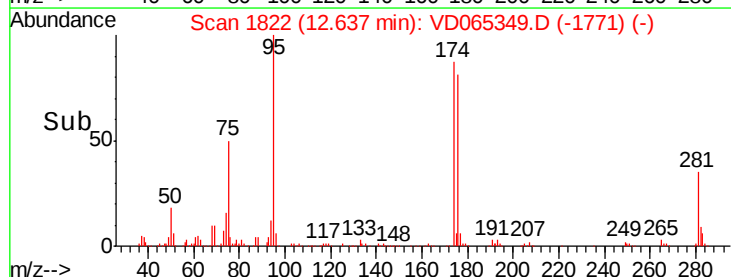
150000

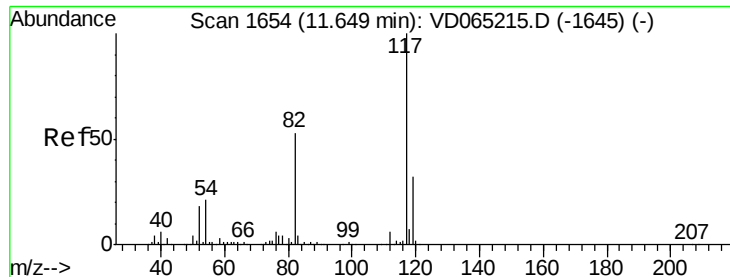
100000

50000

0

Time-->

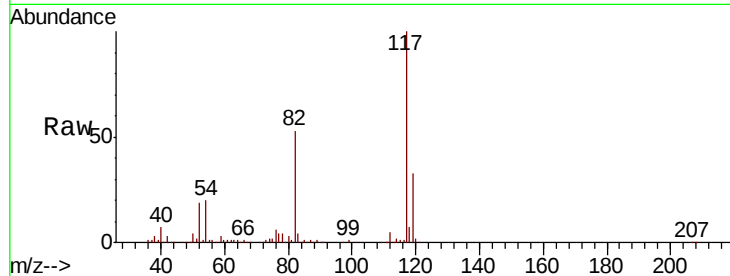




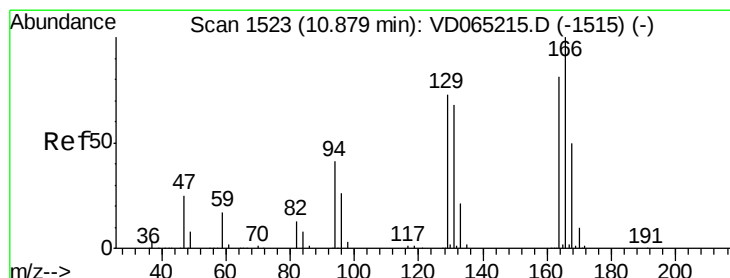
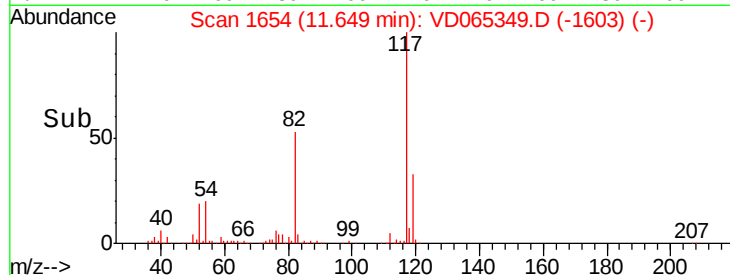
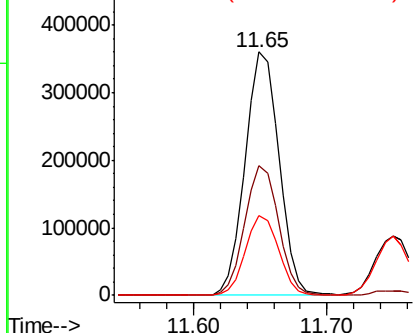
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 634044
Ion Ratio Lower Upper
117 100
82 53.2 42.7 64.1
119 32.9 25.5 38.3

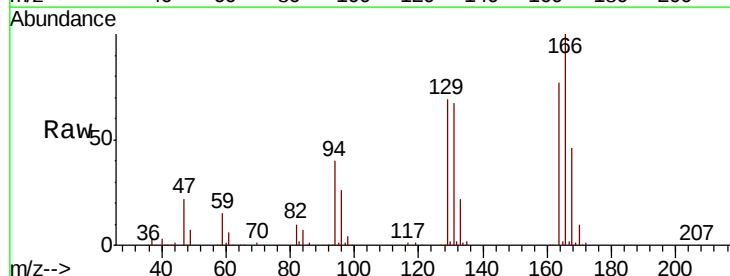


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

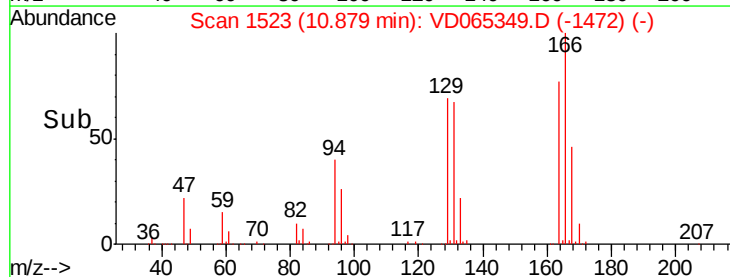
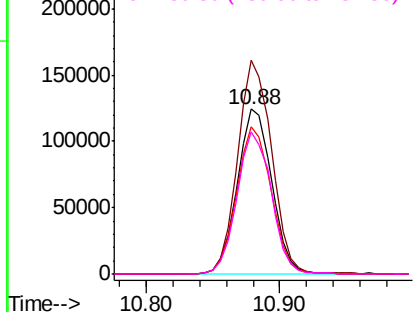


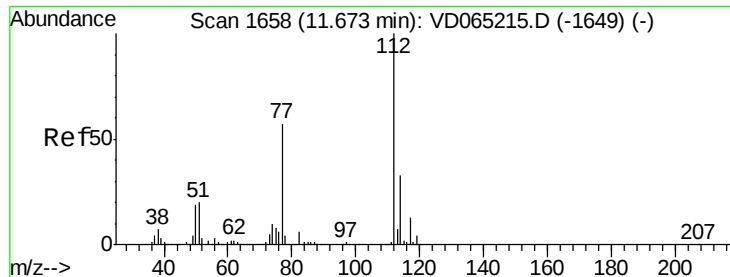
#64
Tetrachloroethene
Concen: 49.421 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion:164 Resp: 222237
Ion Ratio Lower Upper
164 100
166 129.7 98.4 147.6
129 89.0 71.6 107.4
131 86.4 67.3 100.9



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

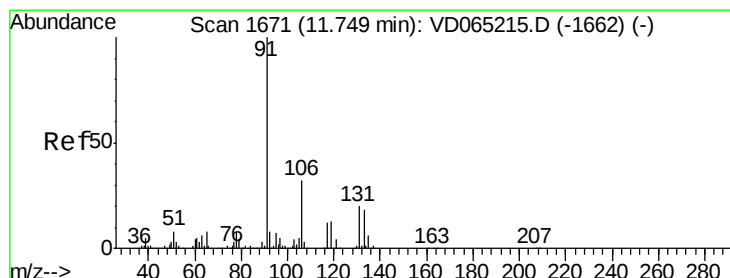
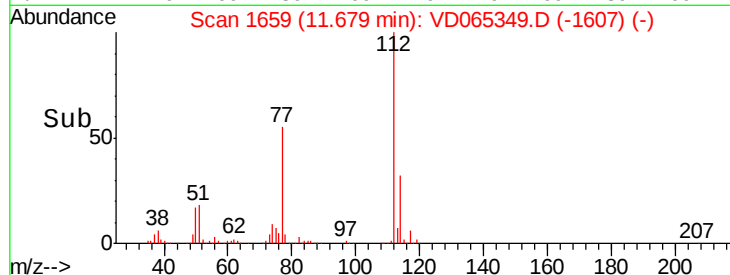
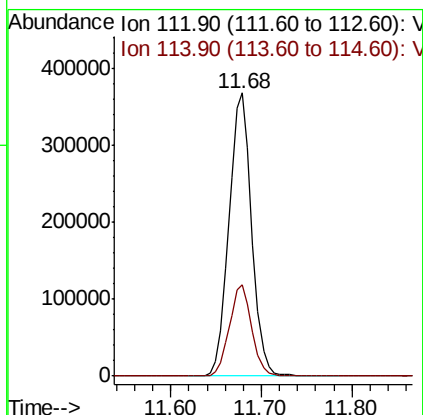
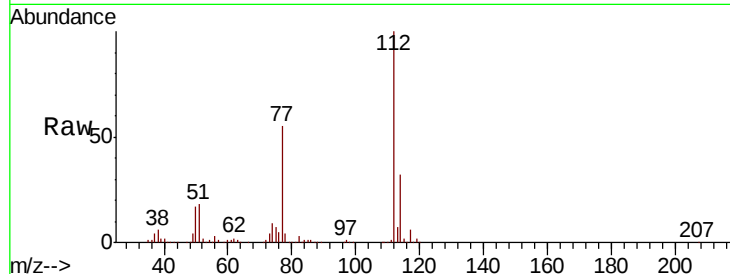




#65
Chlorobenzene
Concen: 50.187 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

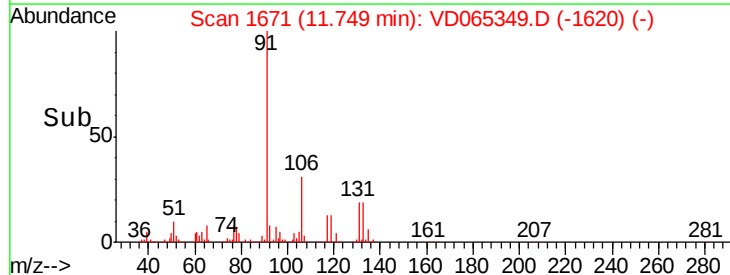
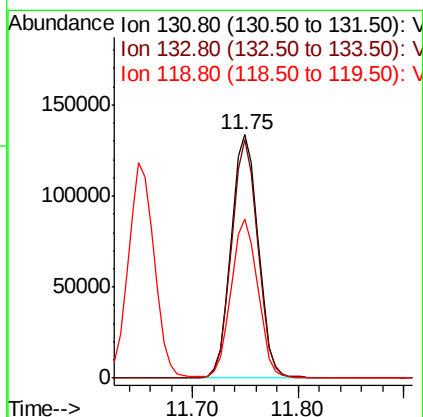
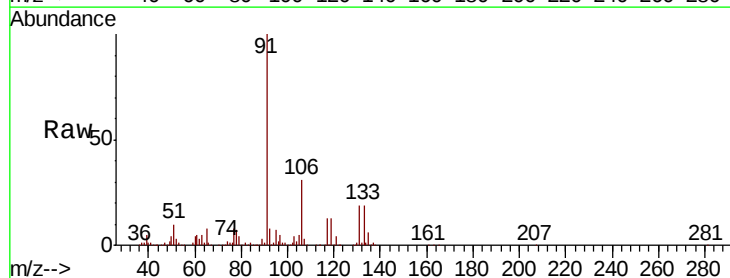
Instrument :
MSVOA_D
ClientSampled :

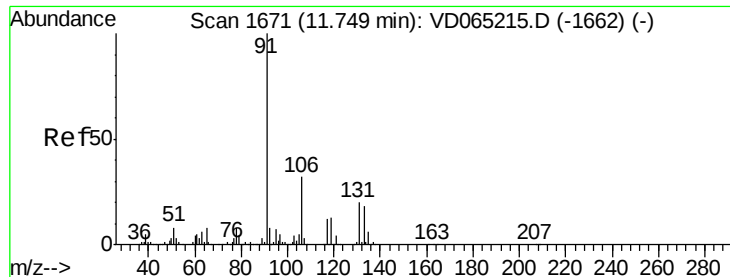
Tot Ion:112 Resp: 638567
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.580 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion:131 Resp: 235413
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 65.2 32.7 98.1





#67

Ethyl Benzene

Concen: 51.273 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

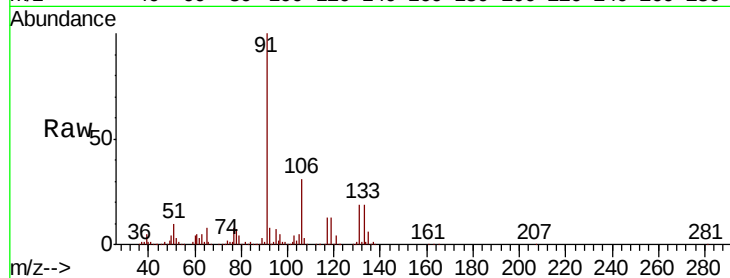
ClientSampleId :

Tot Ion: 91 Resp: 1142582

Ion Ratio Lower Upper

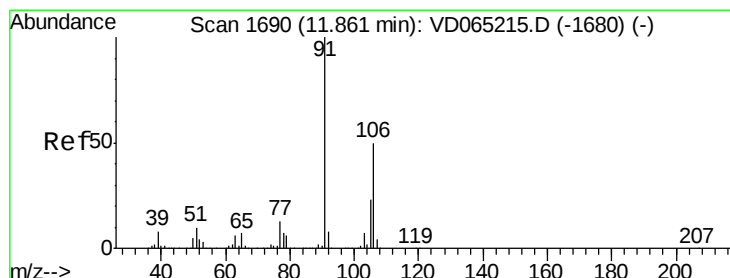
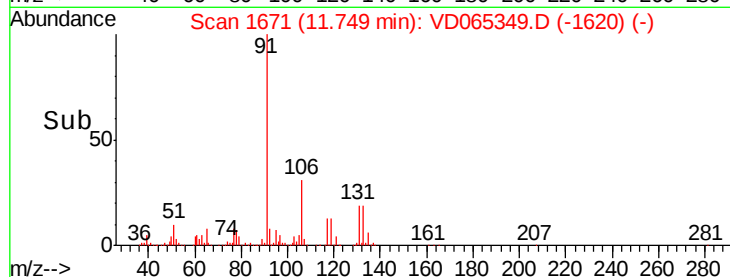
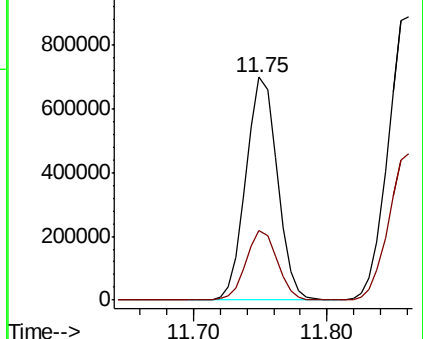
91 100

106 31.0 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 102.787 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065349.D

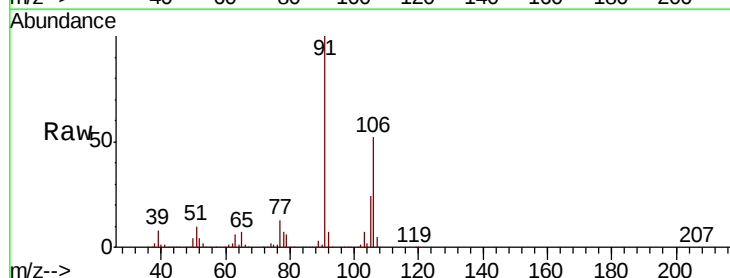
Acq: 27 Feb 2020 17:21

Tgt Ion: 106 Resp: 876334

Ion Ratio Lower Upper

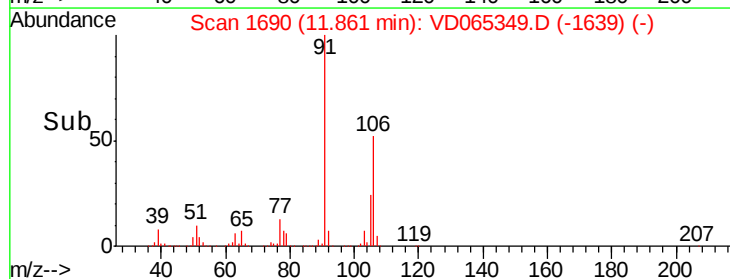
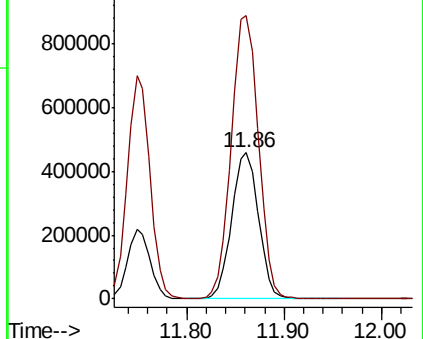
106 100

91 196.9 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

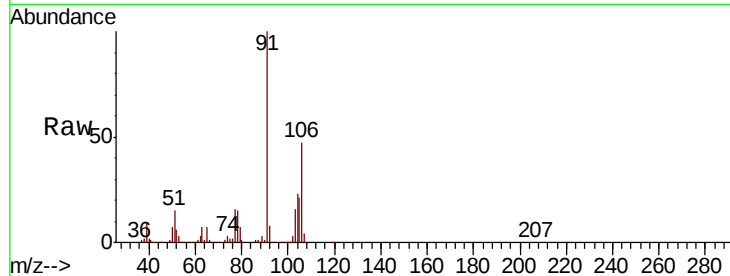




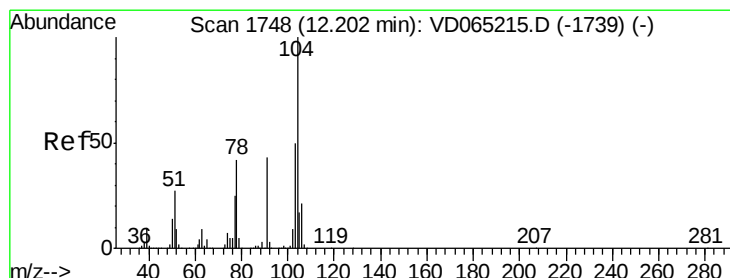
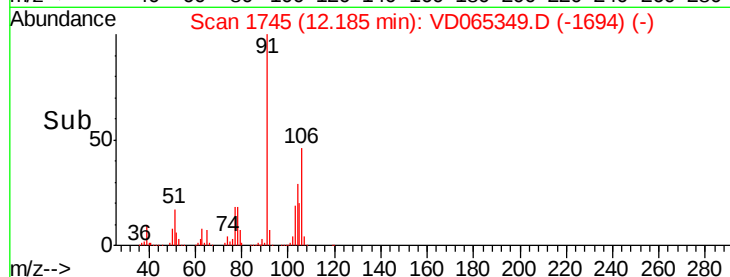
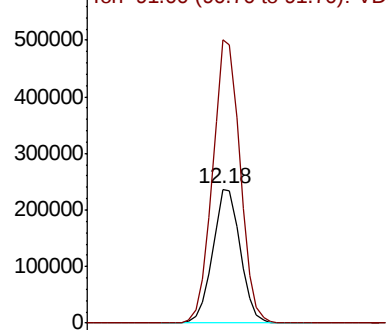
#69
o-Xylene
Concen: 52.039 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 393068
Ion Ratio Lower Upper
106 100
91 210.5 104.7 313.9

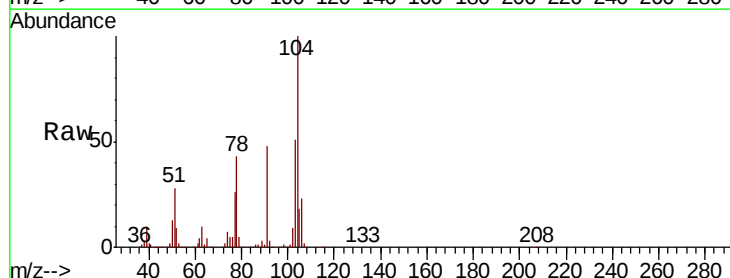


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

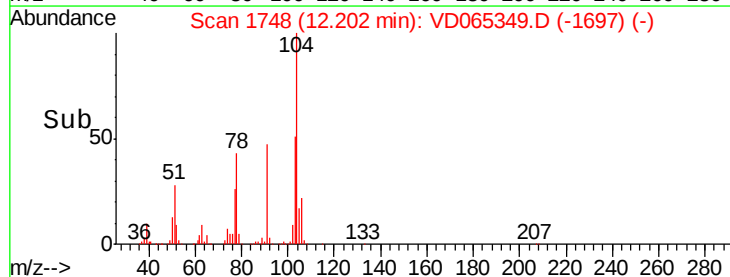
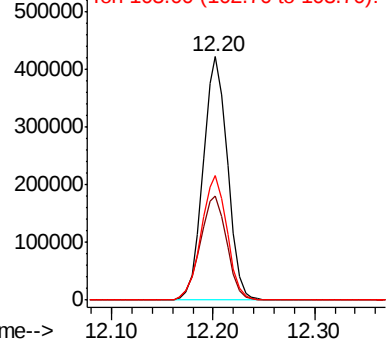


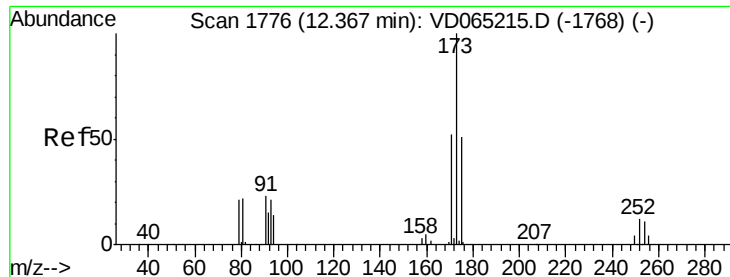
#70
Styrene
Concen: 52.360 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion:104 Resp: 702180
Ion Ratio Lower Upper
104 100
78 46.6 37.8 56.6
103 54.4 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

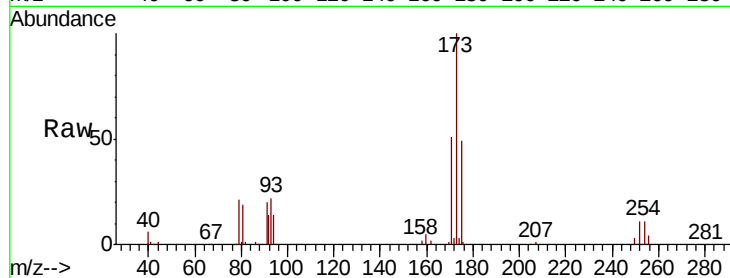




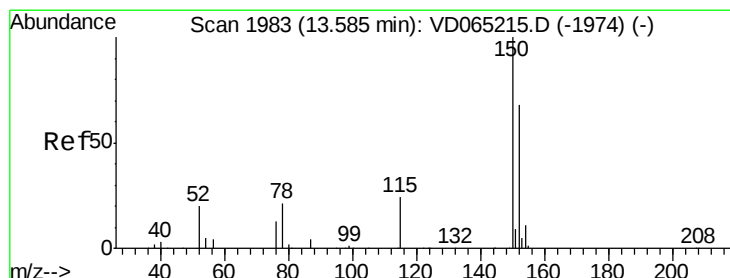
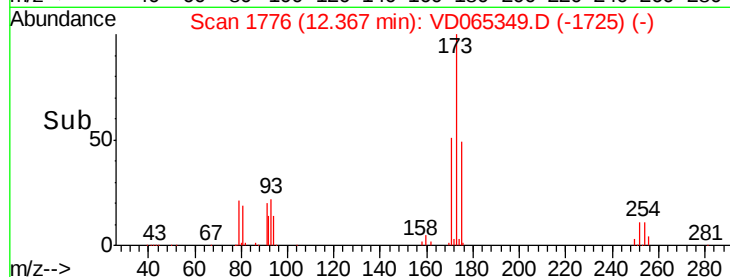
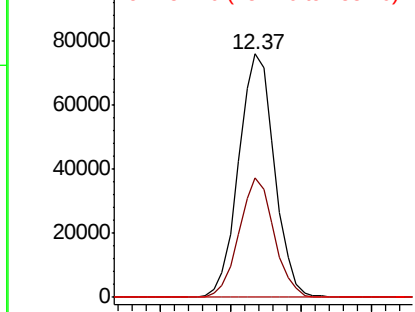
#71
Bromoform
Concen: 51.015 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 134413
Ion Ratio Lower Upper
173 100
175 47.8 24.4 73.4
254 0.1 0.0 0.0#

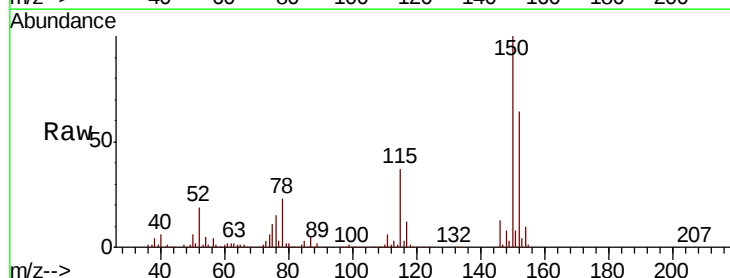


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

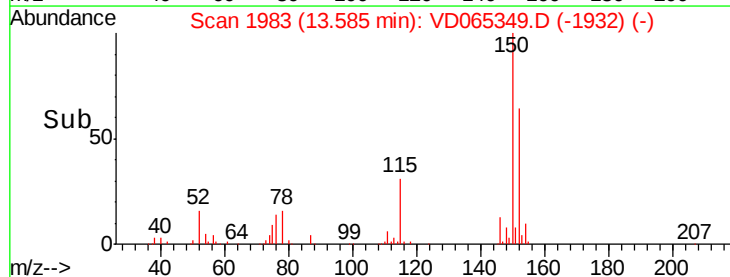
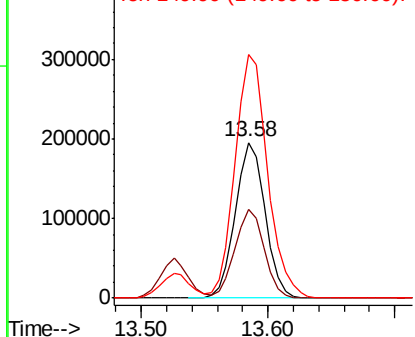


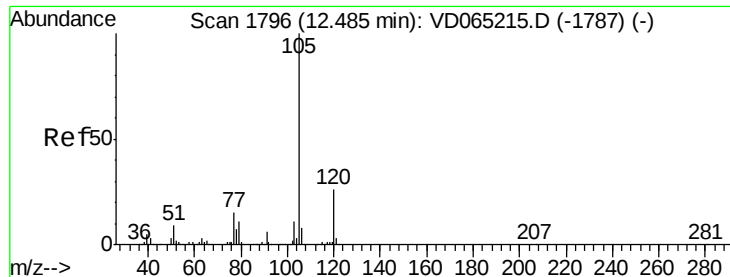
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion:152 Resp: 316118
Ion Ratio Lower Upper
152 100
115 56.1 27.6 82.8
150 171.8 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.713 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

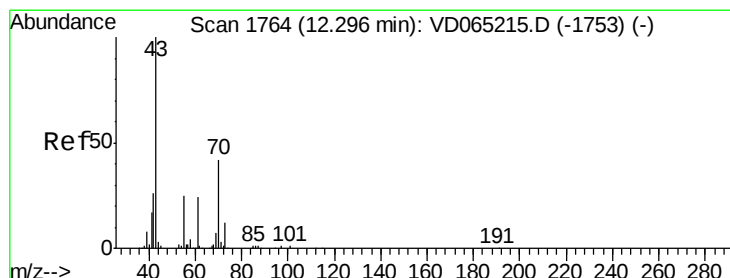
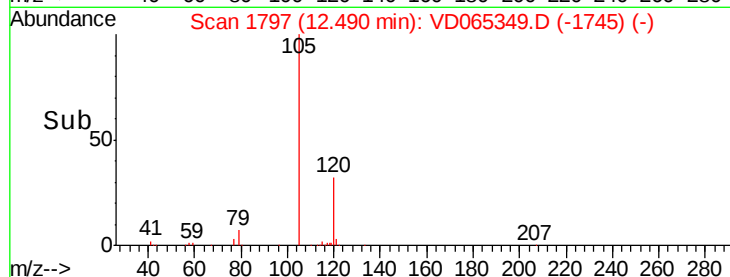
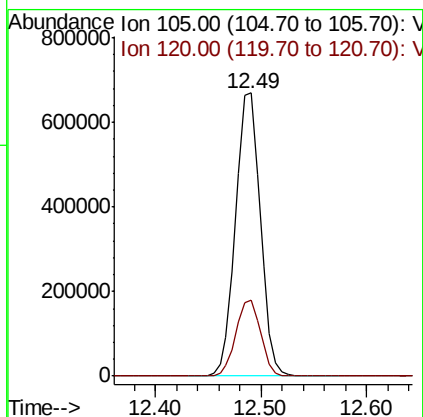
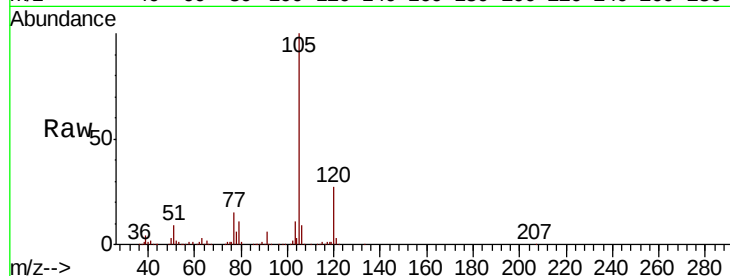
ClientSampleId :

Tot Ion:105 Resp: 1082270

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 50.419 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Tgt Ion: 43 Resp: 234471

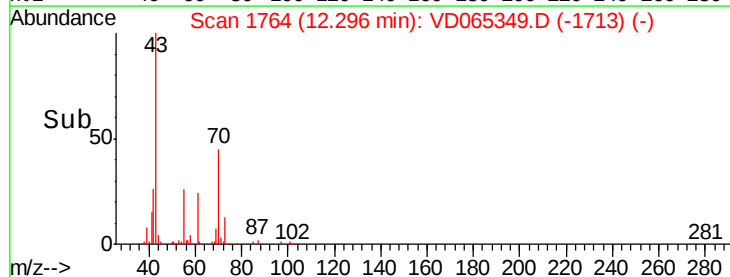
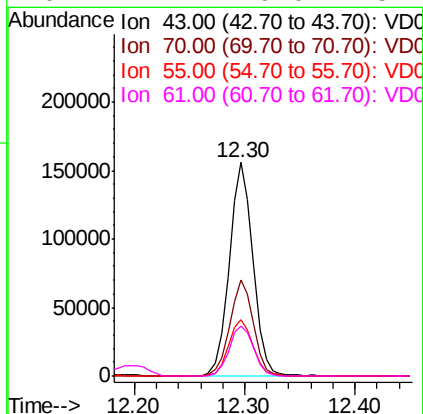
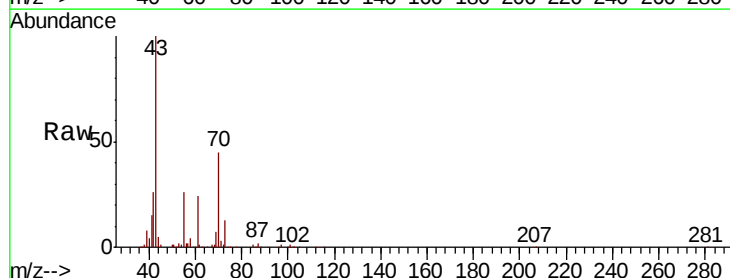
Ion Ratio Lower Upper

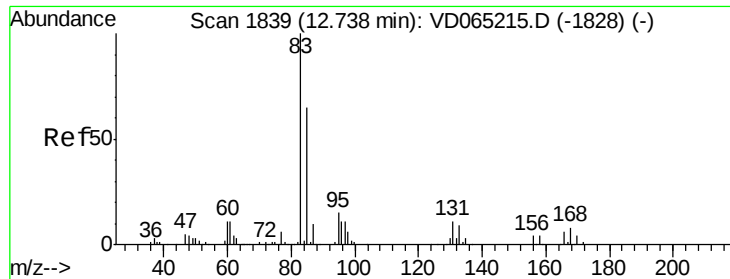
43 100

70 44.6 33.7 50.5

55 27.0 20.7 31.1

61 24.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.500 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

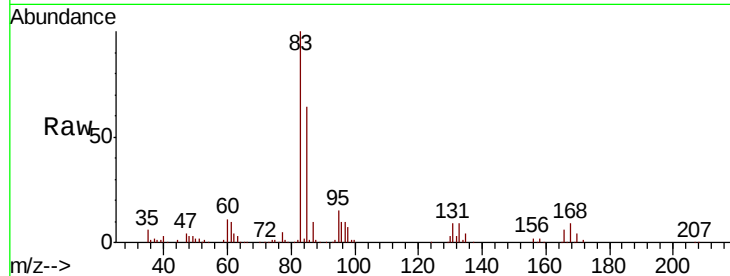
Tot Ion: 83 Resp: 186967

Ion Ratio Lower Upper

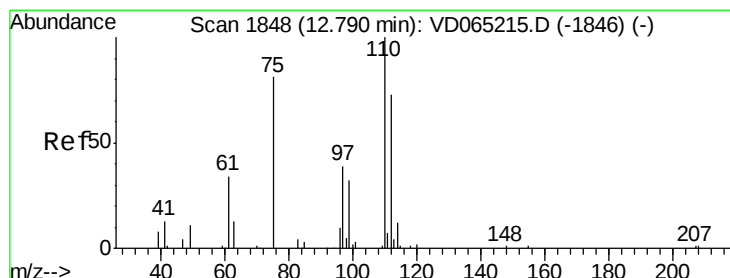
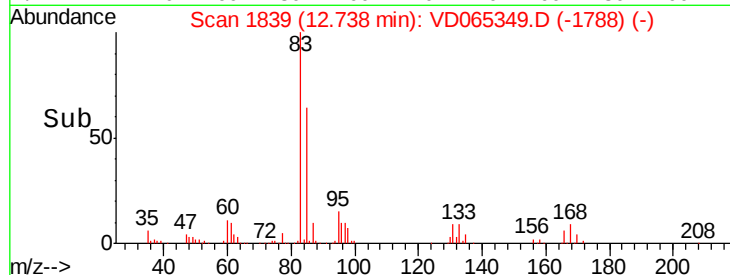
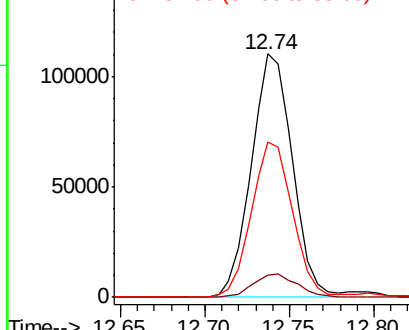
83 100

131 10.5 5.4 16.2

85 63.6 31.6 94.8



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: 89.214 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065349.D

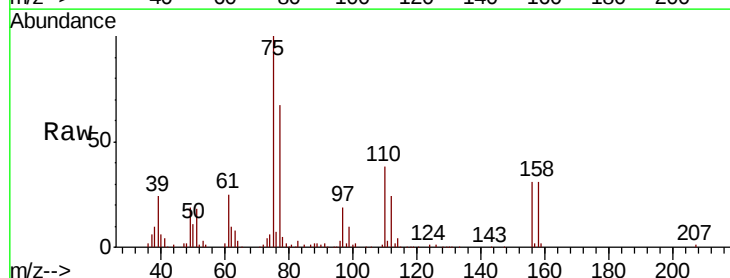
Acq: 27 Feb 2020 17:21

Tgt Ion: 75 Resp: 239953

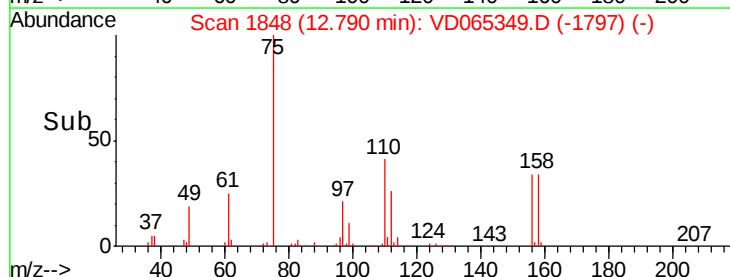
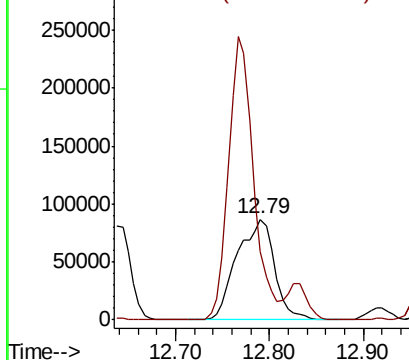
Ion Ratio Lower Upper

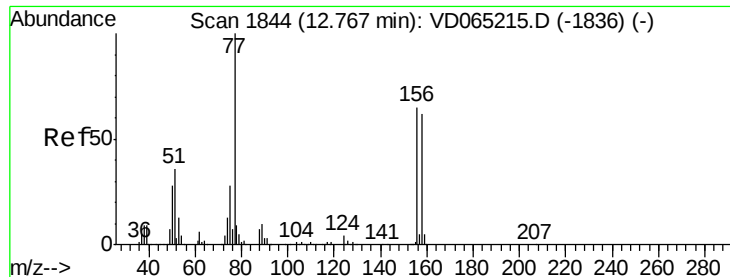
75 100

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: 50.599 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

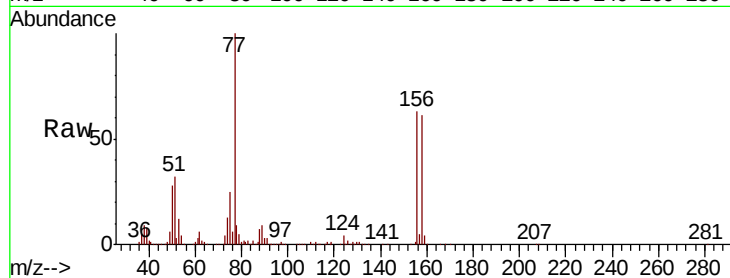
Tot Ion:156 Resp: 262960

Ion Ratio Lower Upper

156 100

77 170.9 86.6 259.7

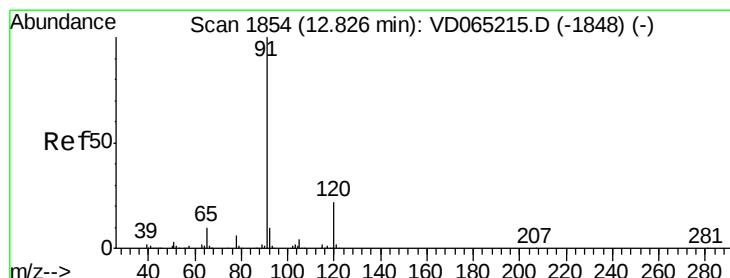
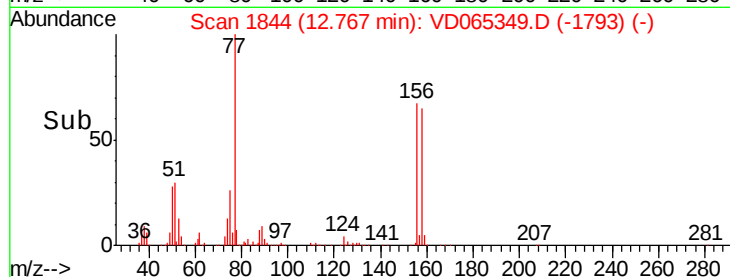
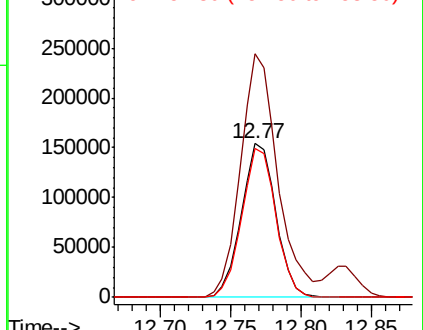
158 96.0 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.227 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065349.D

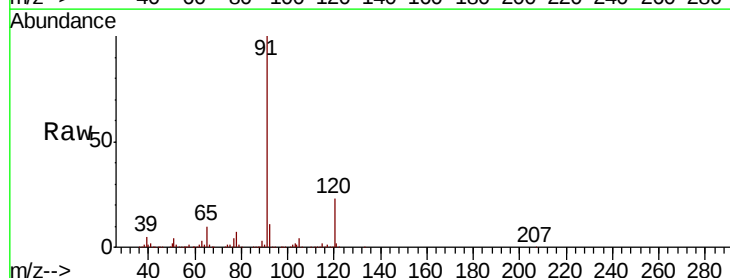
Acq: 27 Feb 2020 17:21

Tgt Ion: 91 Resp: 1288378

Ion Ratio Lower Upper

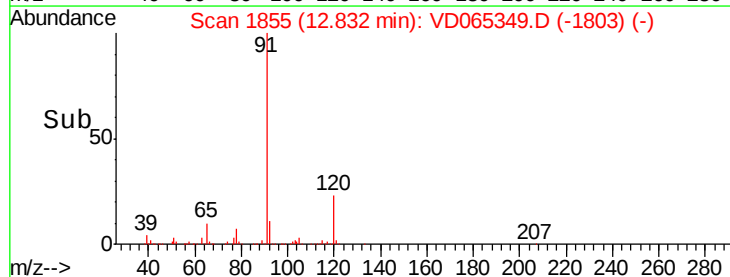
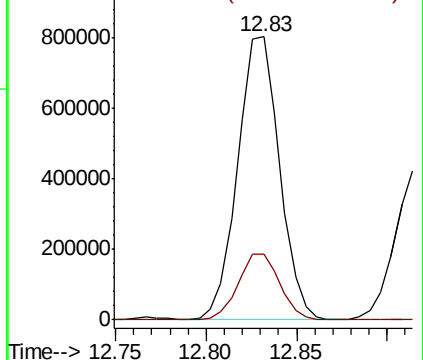
91 100

120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.937 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

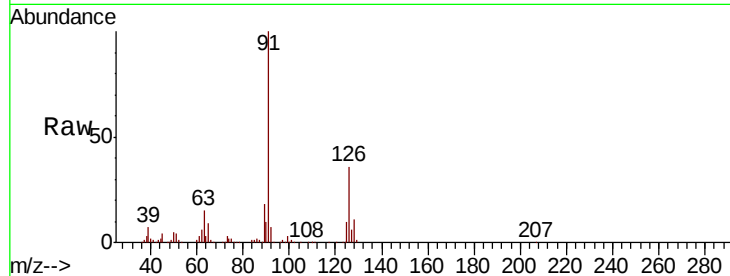
ClientSampleId :

Tot Ion: 91 Resp: 703577

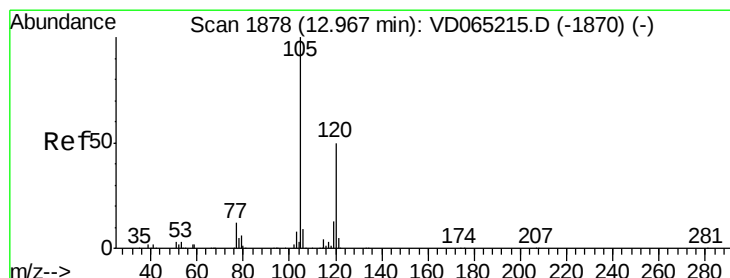
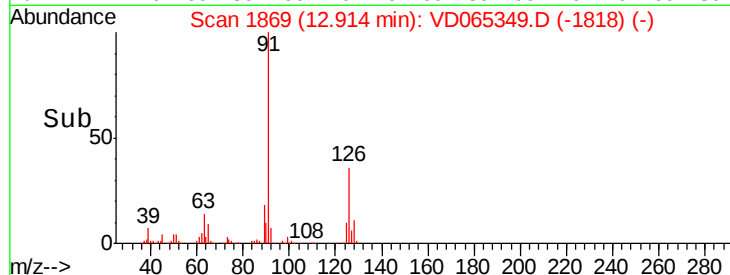
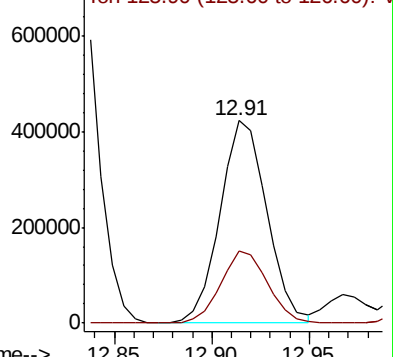
Ion Ratio Lower Upper

91 100

126 35.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 51.407 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065349.D

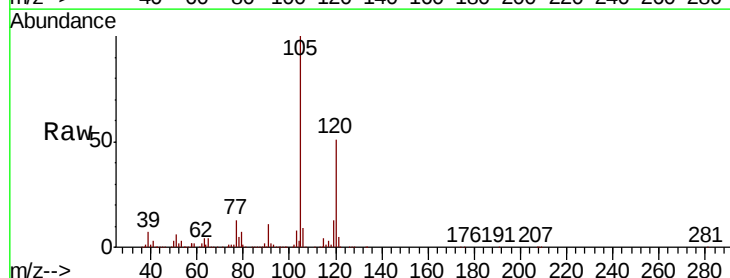
Acq: 27 Feb 2020 17:21

Tgt Ion:105 Resp: 886117

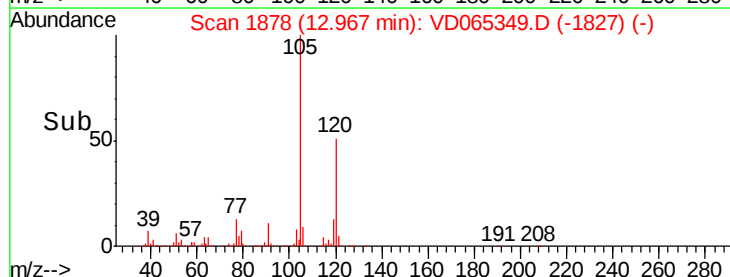
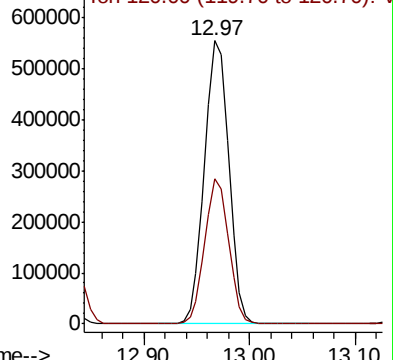
Ion Ratio Lower Upper

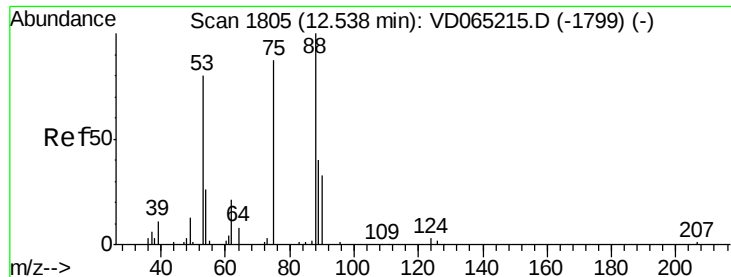
105 100

120 50.2 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.782 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

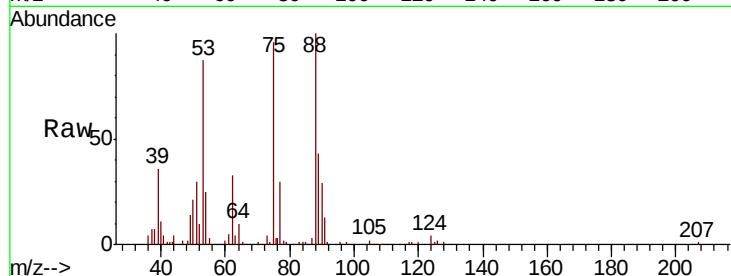
Tot Ion: 75 Resp: 62012

Ion Ratio Lower Upper

75 100

53 90.8 77.6 116.4

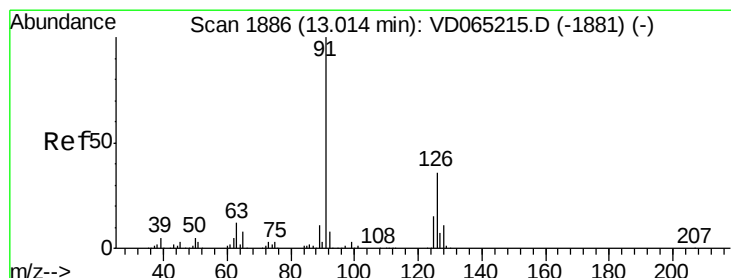
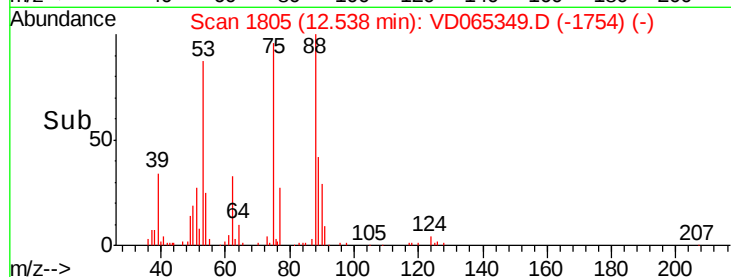
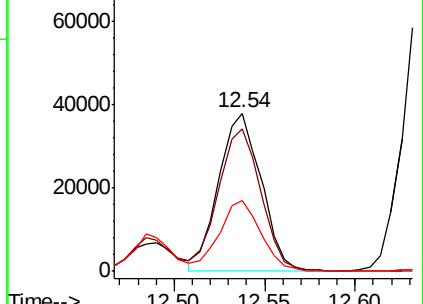
89 44.3 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.924 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065349.D

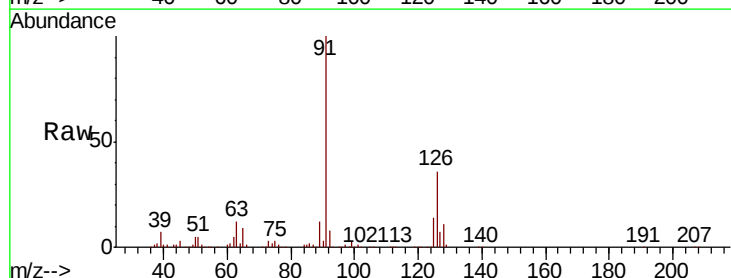
Acq: 27 Feb 2020 17:21

Tgt Ion: 91 Resp: 746751

Ion Ratio Lower Upper

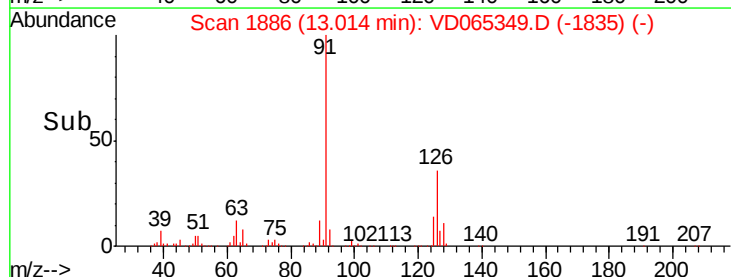
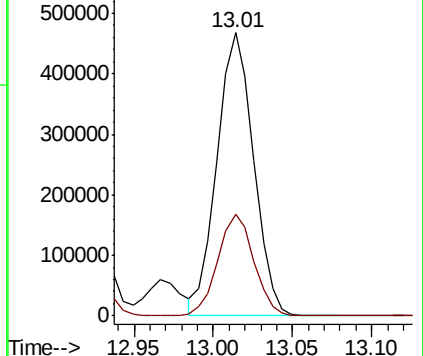
91 100

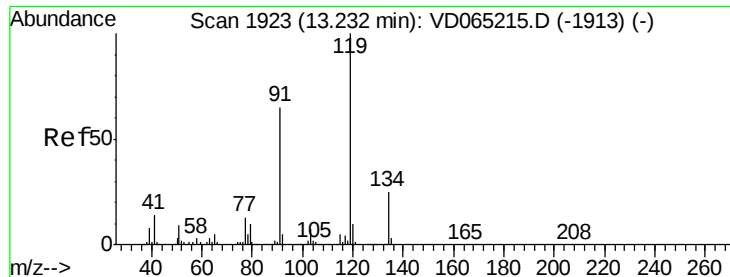
126 35.6 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

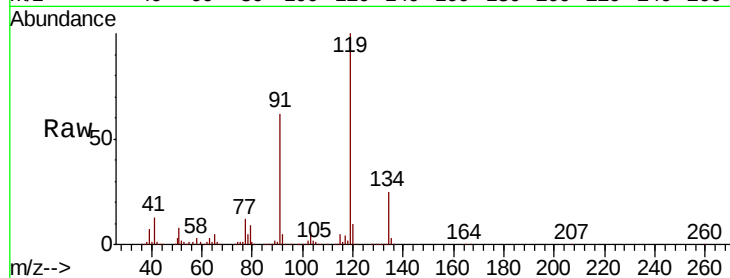




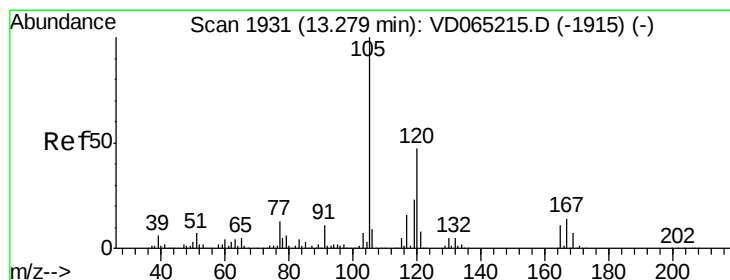
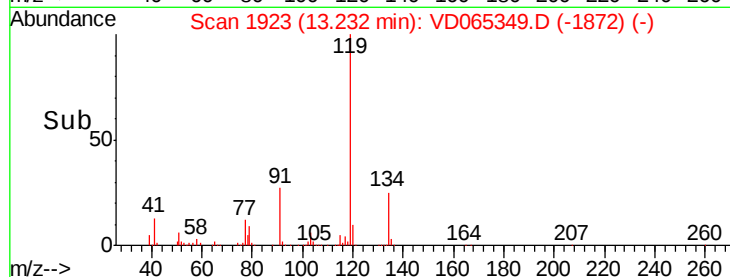
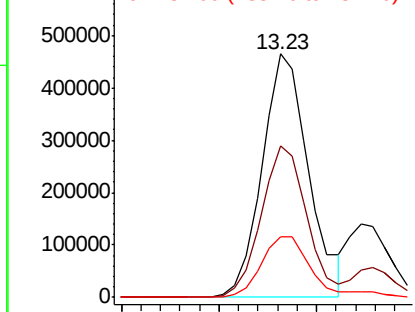
#83
tert-Butylbenzene
Concen: 53.112 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 767317
Ion Ratio Lower Upper
119 100
91 60.8 31.9 95.5
134 27.3 13.8 41.3

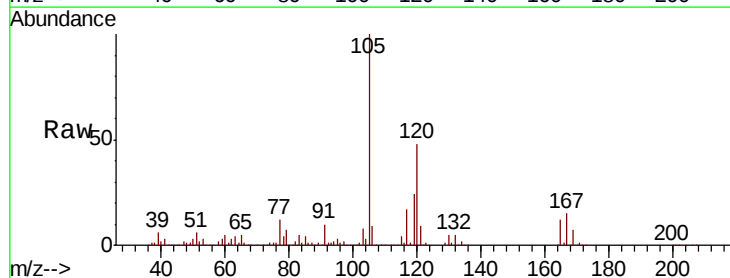


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

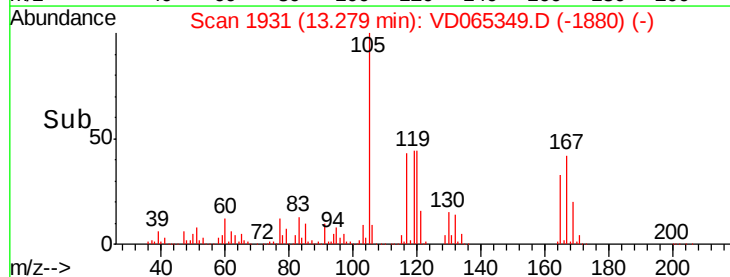
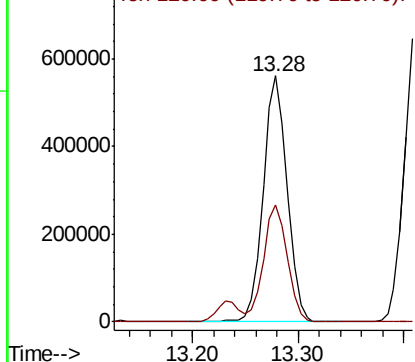


#84
1,2,4-Trimethylbenzene
Concen: 51.022 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion:105 Resp: 880289
Ion Ratio Lower Upper
105 100
120 47.5 23.3 69.9



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

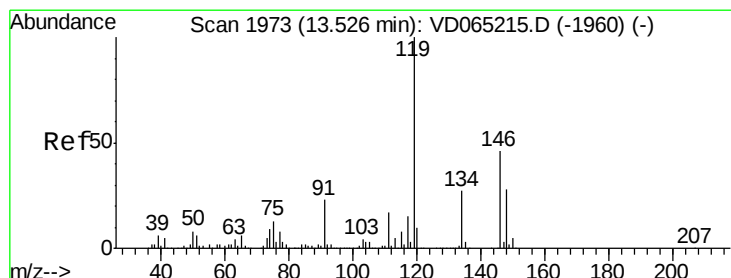
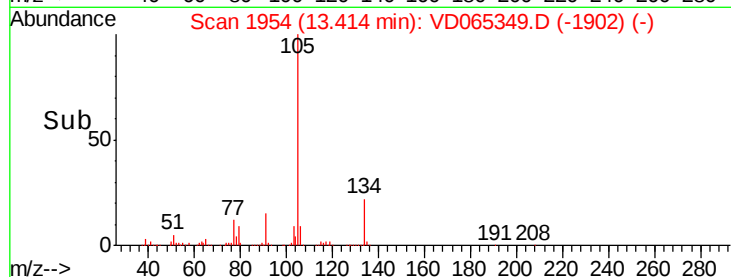
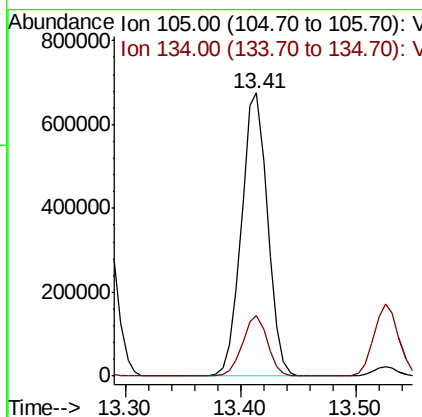
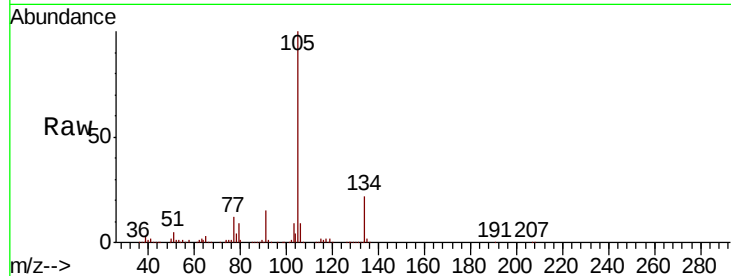




#85
 sec-Butylbenzene
 Concen: 50.923 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

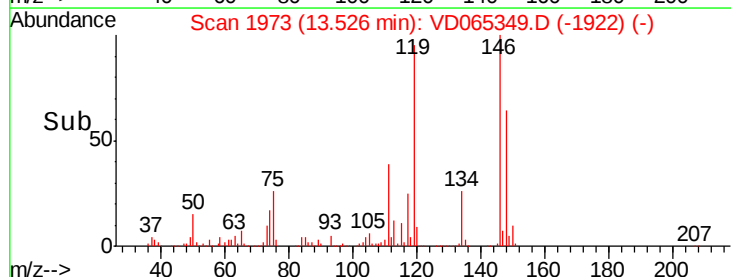
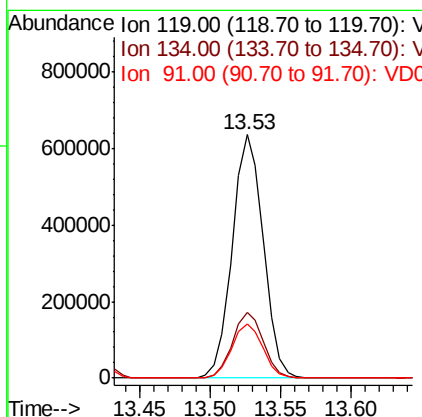
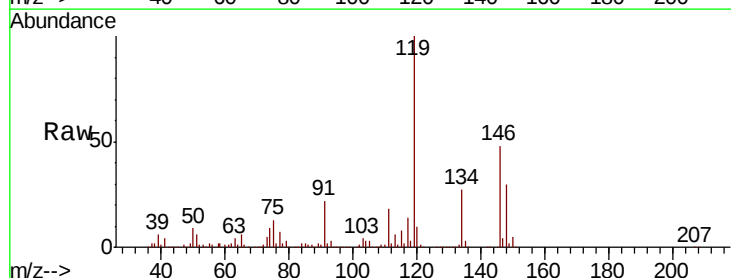
Instrument :
 MSVOA_D
 ClientSampleId :

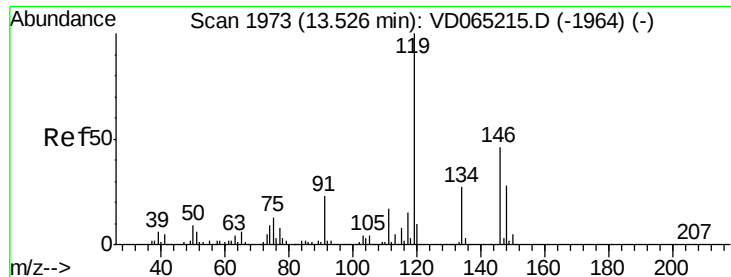
Tot Ion:105 Resp: 1060086
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 50.947 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Tgt Ion:119 Resp: 969903
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.8
 91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 48.805 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

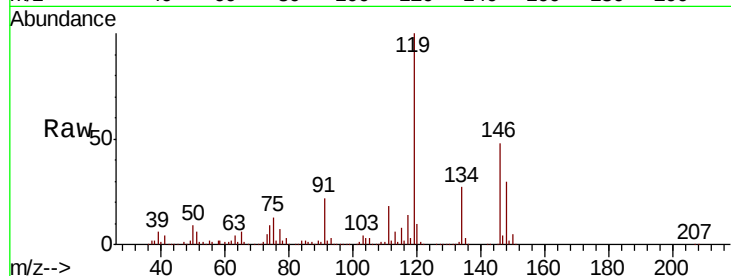
Tot Ion:146 Resp: 490331

Ion Ratio Lower Upper

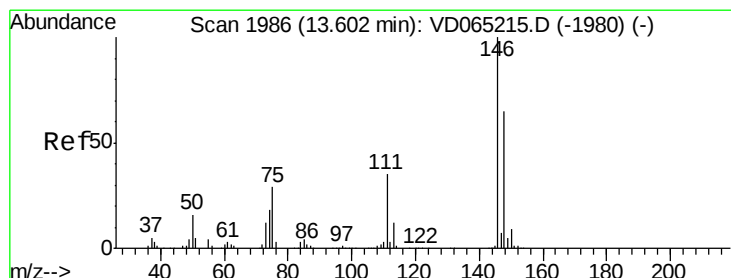
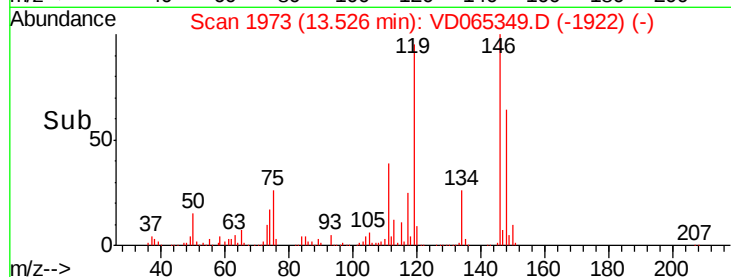
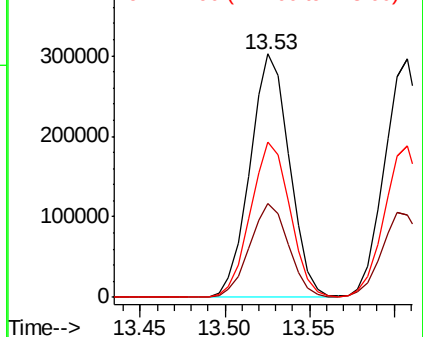
146 100

111 38.0 18.6 55.8

148 64.2 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 48.777 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

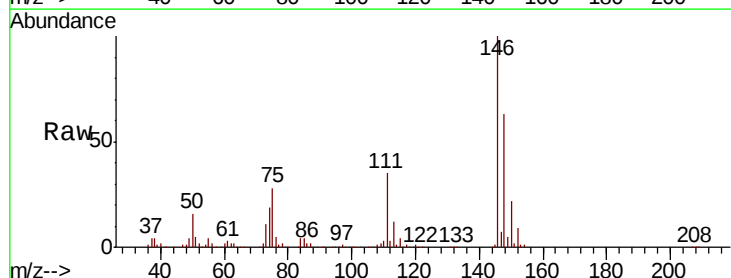
Tgt Ion:146 Resp: 483655

Ion Ratio Lower Upper

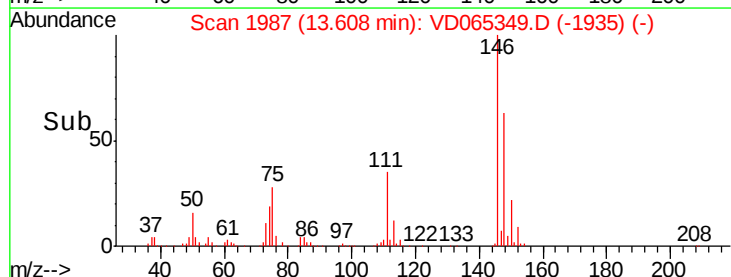
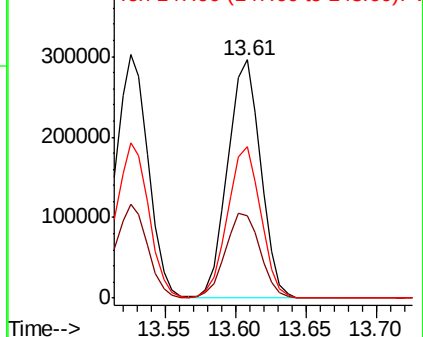
146 100

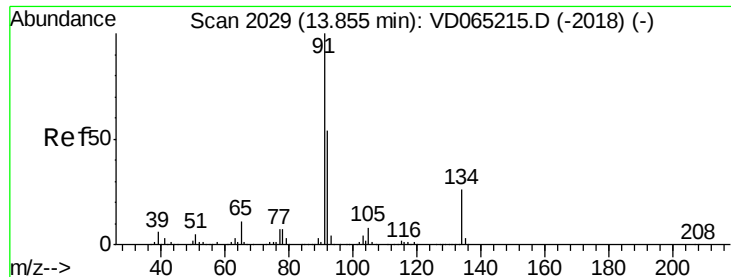
111 37.4 18.4 55.2

148 63.8 32.1 96.5



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

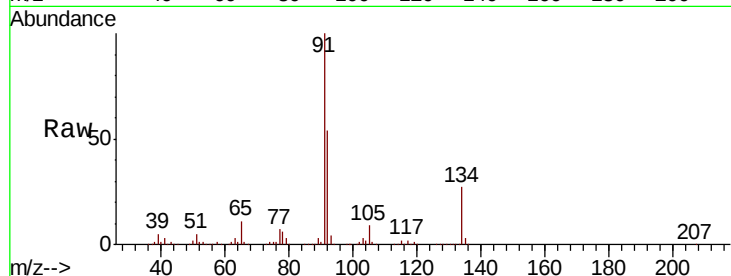




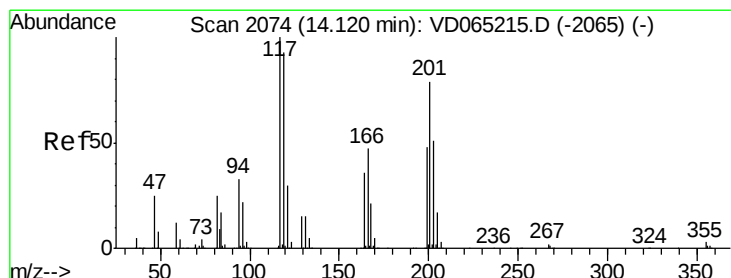
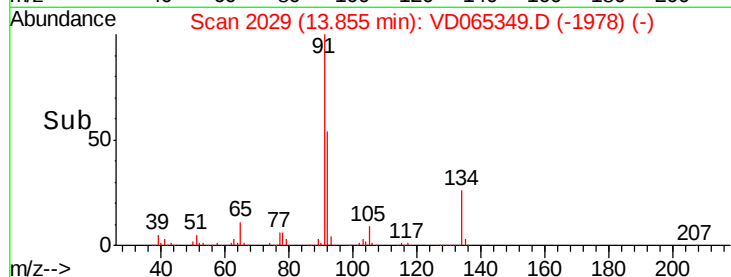
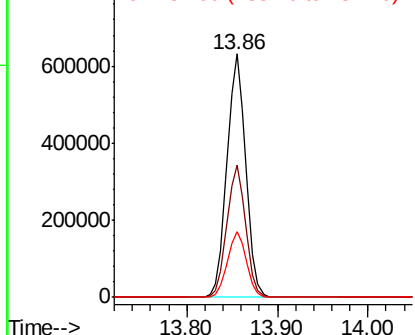
#89
n-Butylbenzene
Concen: 51.685 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 906686
Ion Ratio Lower Upper
91 100
92 54.3 27.0 80.8
134 27.2 13.5 40.4

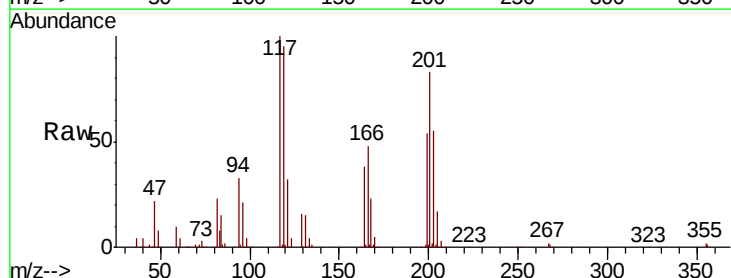


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

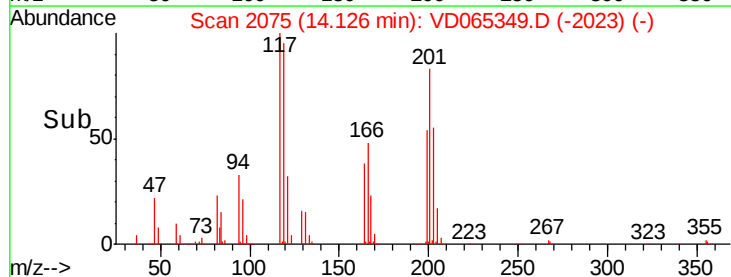
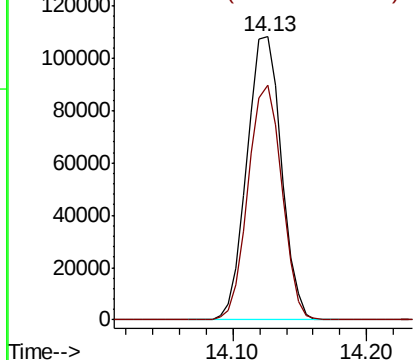


#90
Hexachloroethane
Concen: 50.047 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion: 117 Resp: 193455
Ion Ratio Lower Upper
117 100
201 80.8 41.3 124.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.474 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

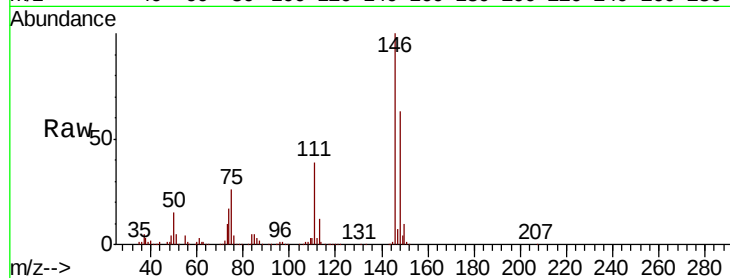
Tot Ion:146 Resp: 426789

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.0

148 63.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

300000

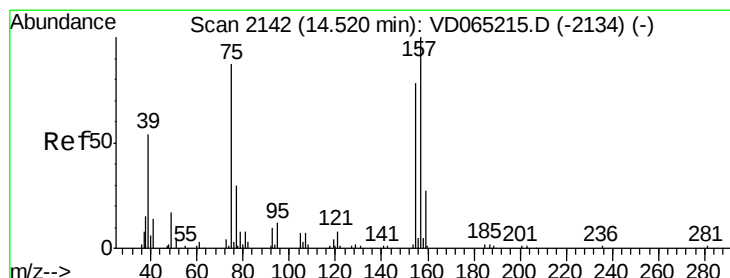
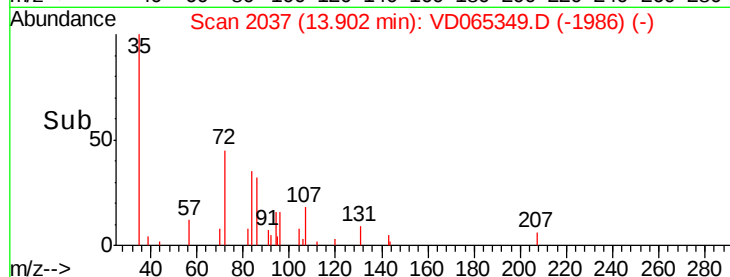
200000

100000

0

13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.929 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065349.D

Acq: 27 Feb 2020 17:21

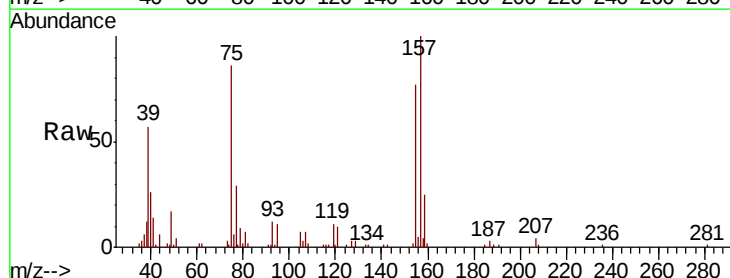
Tgt Ion: 75 Resp: 27316

Ion Ratio Lower Upper

75 100

155 97.3 42.3 126.9

157 118.3 56.7 170.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

25000

20000

15000

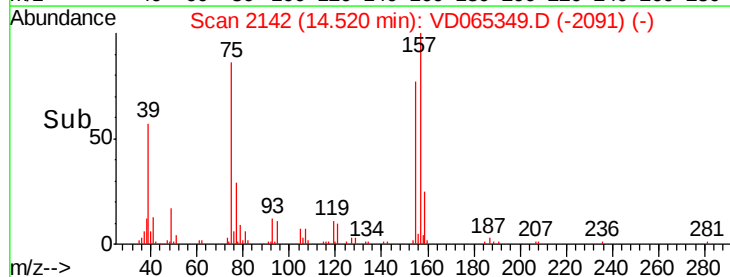
10000

5000

0

14.52

Time-->

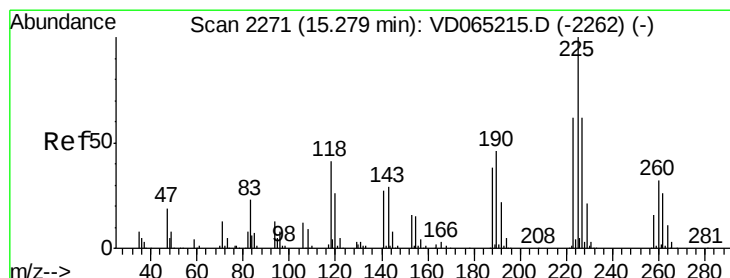
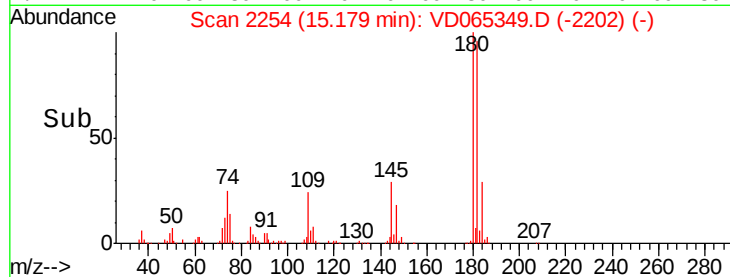
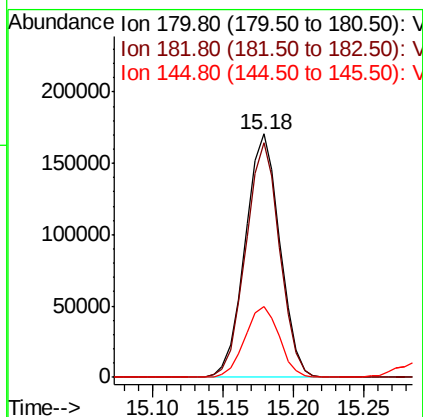
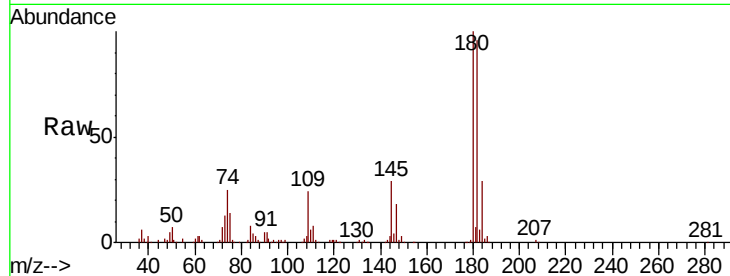




#93
 1,2,4-Trichlorobenzene
 Concen: 52.153 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

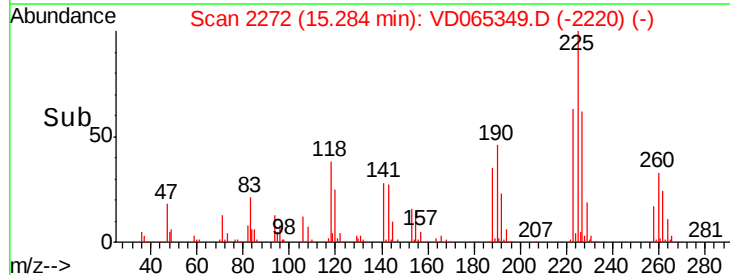
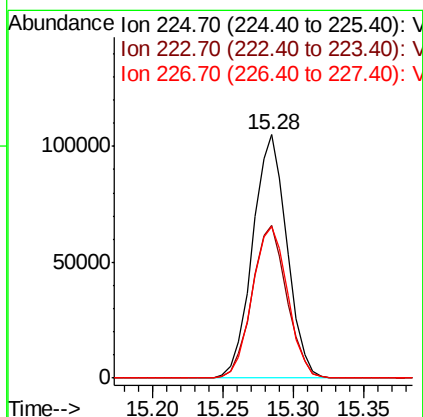
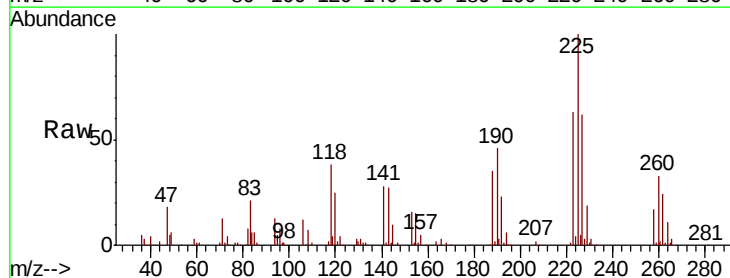
Instrument :
 MSVOA_D
 ClientSampleID :

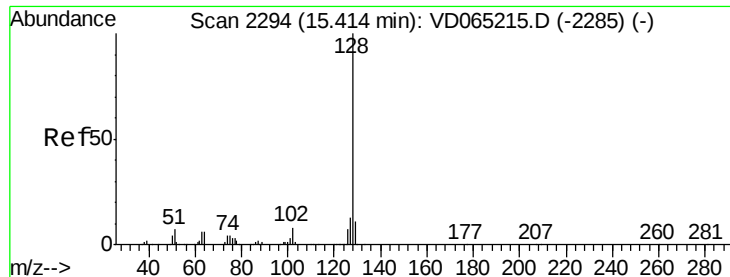
Tot Ion:180 Resp: 294284
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.9 140.6
 145 28.9 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 49.484 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065349.D
 Acq: 27 Feb 2020 17:21

Tgt Ion:225 Resp: 179116
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.4 94.2
 227 64.3 31.7 95.1

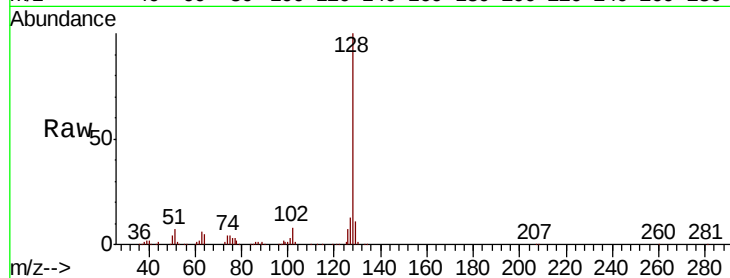




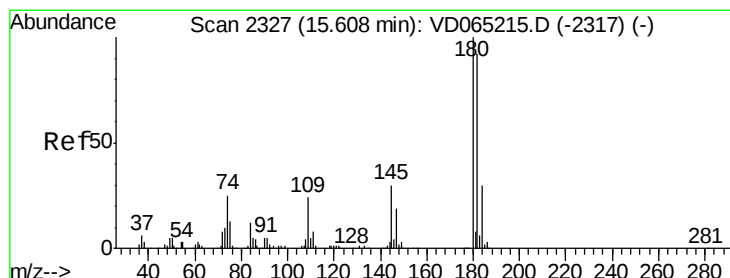
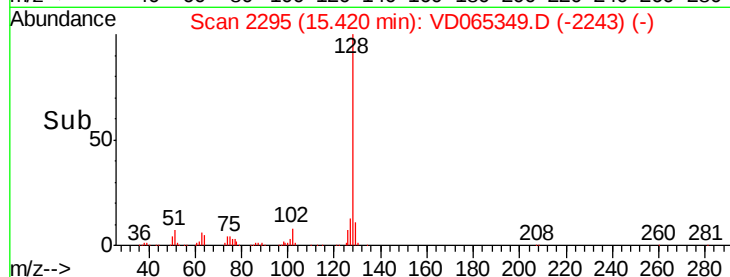
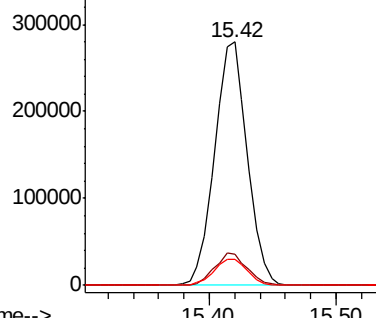
#95
Naphthalene
Concen: 54.674 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.1	8.8	13.2

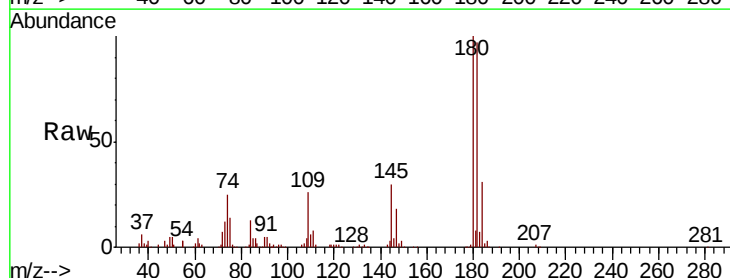


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.465 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065349.D
Acq: 27 Feb 2020 17:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.9	140.6
145	30.4	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

