

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065247.D
 Acq On : 20 Feb 2020 10:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:00:40 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	529931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	753971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	219017	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	7.92	113	230193	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.34	98	918654	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.64	95	282177	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	245537	55.242	ug/l	97
3) Chloromethane	2.21	50	285136	50.401	ug/l	97
4) Vinyl Chloride	2.36	62	291135	50.608	ug/l	96
5) Bromomethane	2.77	94	164548	47.307	ug/l	95
6) Chloroethane	2.93	64	173611	49.441	ug/l	99
7) Trichlorofluoromethane	3.27	101	414479	50.324	ug/l	97
8) Diethyl Ether	3.71	74	117220	47.150	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	266070	51.156	ug/l	99
10) Methyl Iodide	4.30	142	306407	56.739	ug/l	100
11) Tert butyl alcohol	5.24	59	56106	196.949	ug/l	98
12) 1,1-Dichloroethene	4.07	96	248948	50.669	ug/l	97
13) Acrolein	3.93	56	94166	272.485	ug/l	99
14) Allyl chloride	4.71	41	407027	51.014	ug/l	99
15) Acrylonitrile	5.43	53	251137	228.164	ug/l	99
16) Acetone	4.17	43	306029	262.604	ug/l	96
17) Carbon Disulfide	4.40	76	845717	51.342	ug/l	98
18) Methyl Acetate	4.72	43	115206	43.955	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	493313	48.148	ug/l	97
20) Methylene Chloride	4.97	84	273595	53.015	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	287436	51.461	ug/l	97
22) Diisopropyl ether	6.37	45	778229	50.596	ug/l	99
23) Vinyl Acetate	6.31	43	2104907	248.234	ug/l	100
24) 1,1-Dichloroethane	6.27	63	469816	49.245	ug/l	98
25) 2-Butanone	7.22	43	341333	231.500	ug/l	98
26) 2,2-Dichloropropane	7.21	77	416408	50.306	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	295781	49.993	ug/l	99
28) Bromochloromethane	7.55	49	183592	51.871	ug/l	100
29) Tetrahydrofuran	7.57	42	195881	226.738	ug/l	99
30) Chloroform	7.71	83	475659	49.488	ug/l	94
31) Cyclohexane	7.98	56	469300	50.066	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	434165	50.486	ug/l	100
36) 1,1-Dichloropropene	8.11	75	396012	53.981	ug/l	100
37) Ethyl Acetate	7.30	43	140857	45.929	ug/l	99
38) Carbon Tetrachloride	8.10	117	395603	52.972	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	486412	56.398	ug/l	100
40) Benzene	8.36	78	1103926	53.312	ug/l	99
41) Methacrylonitrile	7.53	41	94903	53.594	ug/l	89
42) 1,2-Dichloroethane	8.43	62	282068	49.549	ug/l	100
43) Isopropyl Acetate	8.46	43	260691	46.744	ug/l	97
44) Trichloroethene	9.11	130	306264	53.357	ug/l	99
45) 1,2-Dichloropropane	9.39	63	267216	51.897	ug/l	97
46) Dibromomethane	9.48	93	134701	50.845	ug/l	98
47) Bromodichloromethane	9.67	83	355835	50.967	ug/l	98
48) Methyl methacrylate	9.46	41	140005	54.311	ug/l	93
49) 1,4-Dioxane	9.47	88	29227	940.629	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	676463	238.811	ug/l	100
52) Toluene	10.41	92	705598	55.051	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	332639	51.401	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	410028	52.470	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	183548	49.224	ug/l	97
56) Ethyl methacrylate	10.67	69	217768	50.598	ug/l	98
57) 1,3-Dichloropropane	10.96	76	318109	50.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	295907	218.076	ug/l	100
59) 2-Hexanone	10.99	43	526869	259.835	ug/l	98
60) Dibromochloromethane	11.14	129	237108	49.681	ug/l	99
61) 1,2-Dibromoethane	11.25	107	177987	50.414	ug/l	99
64) Tetrachloroethene	10.88	164	260961	53.564	ug/l	97
65) Chlorobenzene	11.68	112	717960	52.083	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	260198	50.581	ug/l	100
67) Ethyl Benzene	11.75	91	1299275	53.816	ug/l	99
68) m/p-Xylenes	11.86	106	1009357	109.275	ug/l	99
69) o-Xylene	12.19	106	453209	55.381	ug/l	98
70) Styrene	12.20	104	793643	54.624	ug/l	100
71) Bromoform	12.37	173	137234	48.076	ug/l #	98
73) Isopropylbenzene	12.48	105	1236653	56.167	ug/l	100
74) N-amyl acetate	12.30	43	234140	47.858	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	189274	47.632	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	248953	87.983	ug/l #	100
77) Bromobenzene	12.77	156	286007	52.312	ug/l	99
78) n-propylbenzene	12.83	91	1469507	55.540	ug/l	99
79) 2-Chlorotoluene	12.91	91	802440	54.137	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1010161	55.705	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	62345	47.574	ug/l	97
82) 4-Chlorotoluene	13.01	91	833882	52.992	ug/l	98
83) tert-Butylbenzene	13.23	119	875761	57.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1001391	55.171	ug/l	99
85) sec-Butylbenzene	13.41	105	1214903	55.474	ug/l	100
86) p-Isopropyltoluene	13.53	119	1127929	56.318	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	548990	51.941	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	538607	51.633	ug/l	99
89) n-Butylbenzene	13.86	91	1040400	56.374	ug/l	100
90) Hexachloroethane	14.12	117	213322	52.457	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	463178	51.037	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27943	45.632	ug/l	96

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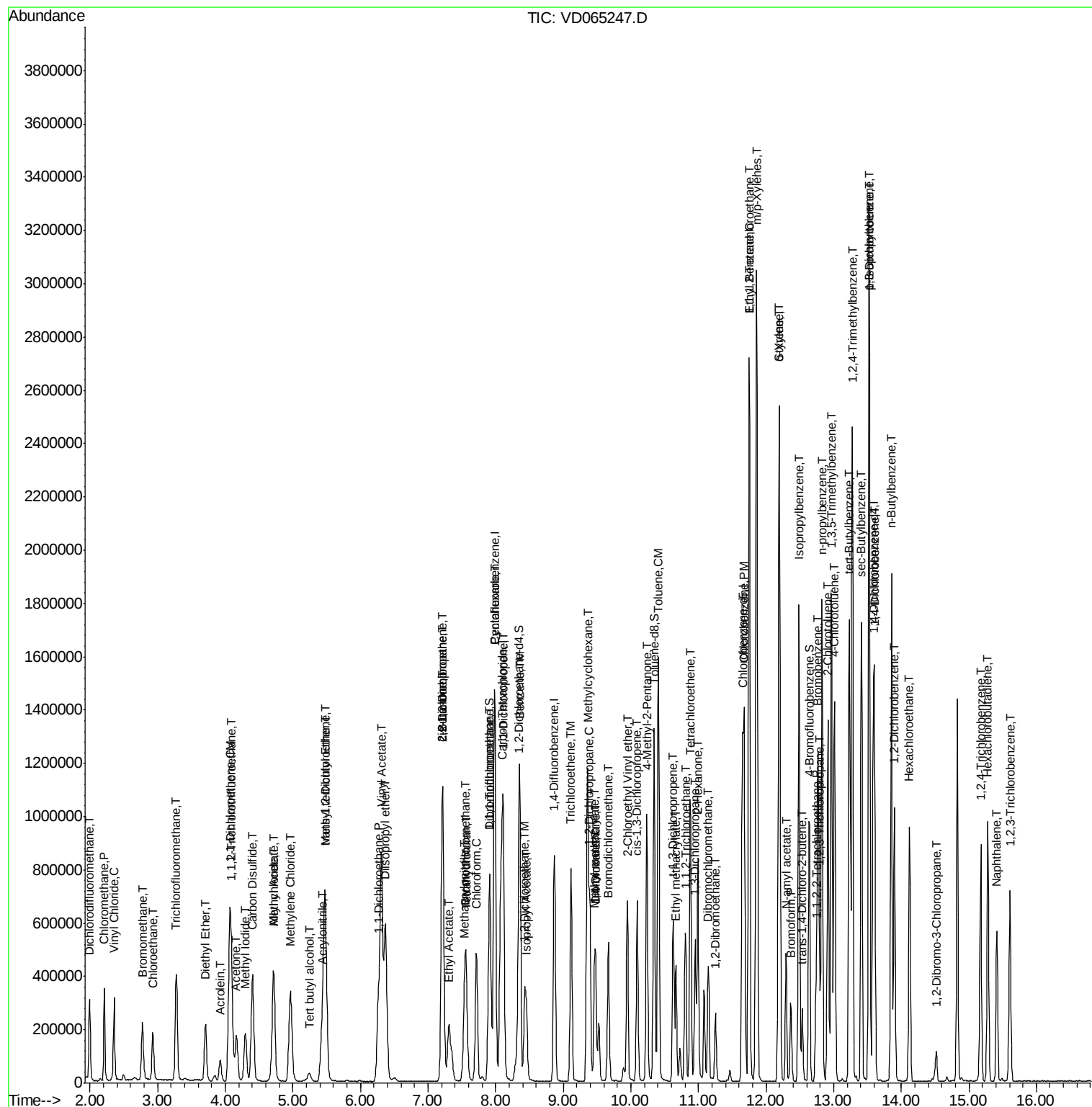
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	316786	53.364	ug/l	99
94) Hexachlorobutadiene	15.28	225	206786	54.303	ug/l	100
95) Naphthalene	15.41	128	497655	51.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	266225	51.350	ug/l	98

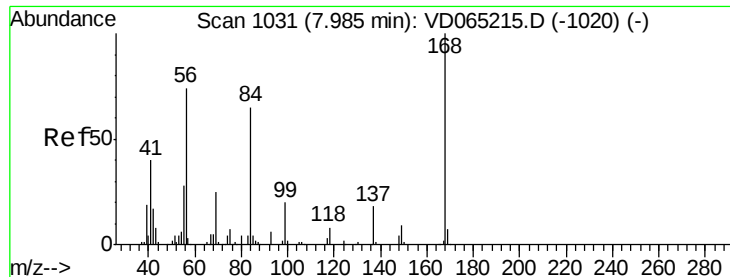
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

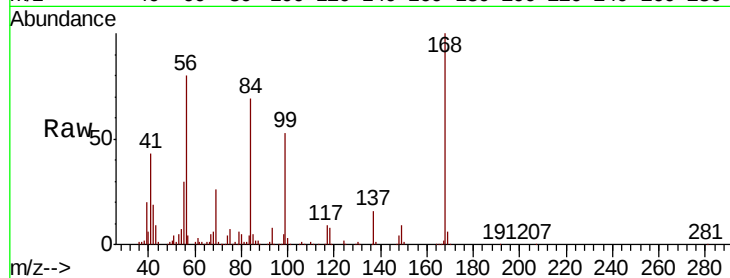
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 529931

Ion Ratio Lower Upper

168 100

99 52.7 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

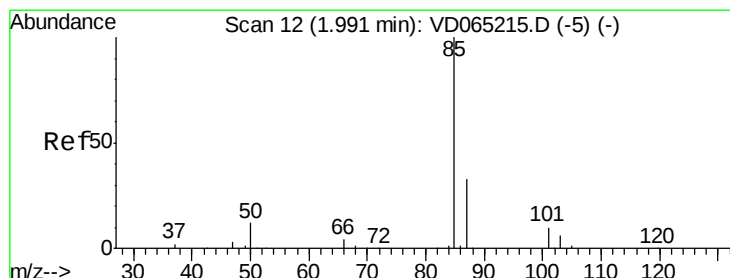
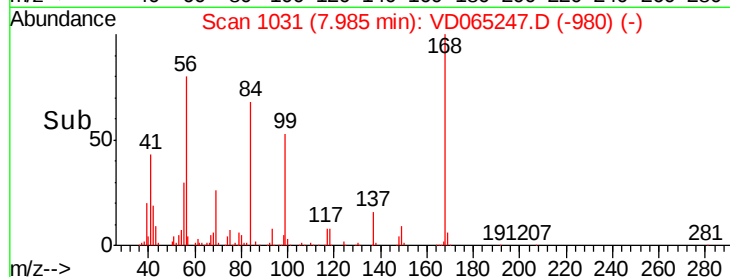
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 55.242 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065247.D

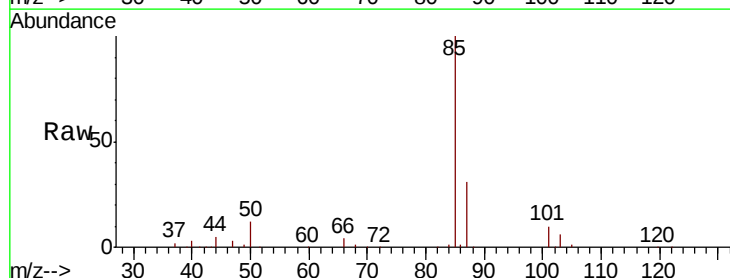
Acq: 20 Feb 2020 10:27

Tgt Ion: 85 Resp: 245537

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200000

150000

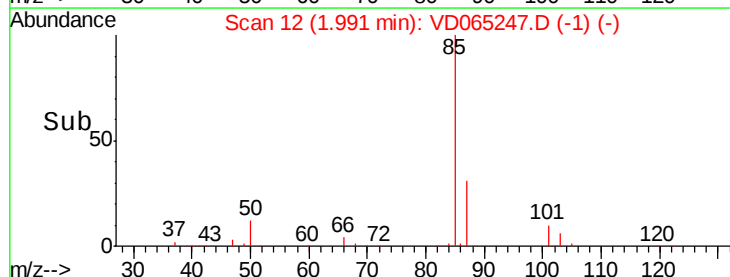
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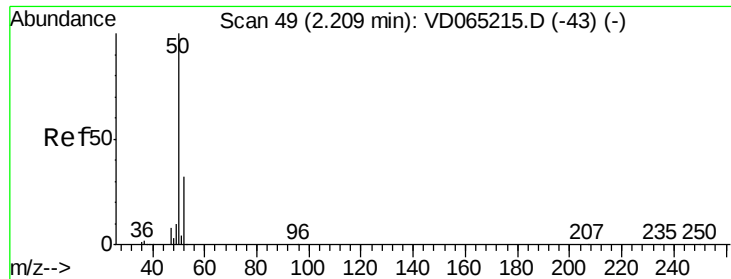
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 50.401 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

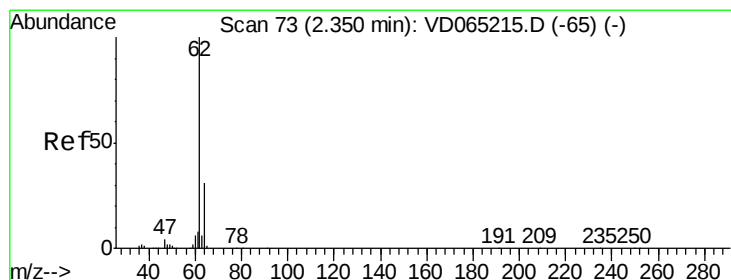
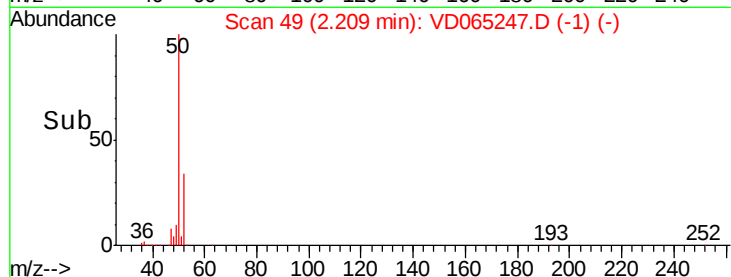
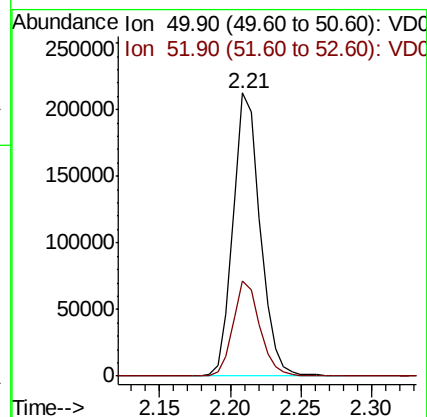
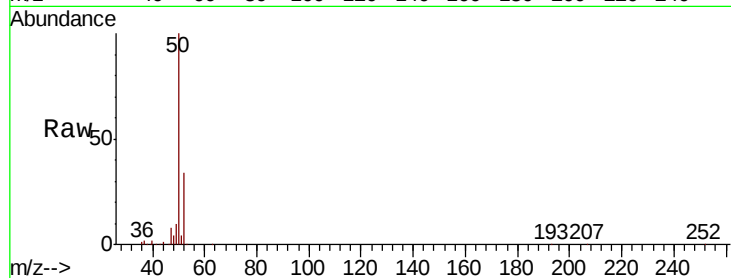
ClientSampleId :

Tot Ion: 50 Resp: 285136

Ion Ratio Lower Upper

50 100

52 33.8 25.5 38.3



#4

Vinyl Chloride

Concen: 50.608 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065247.D

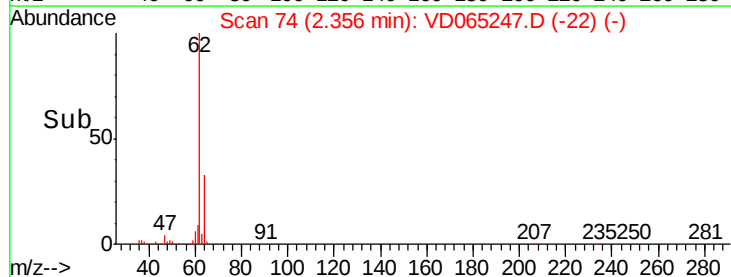
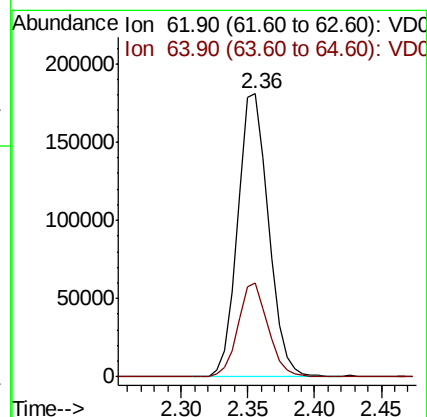
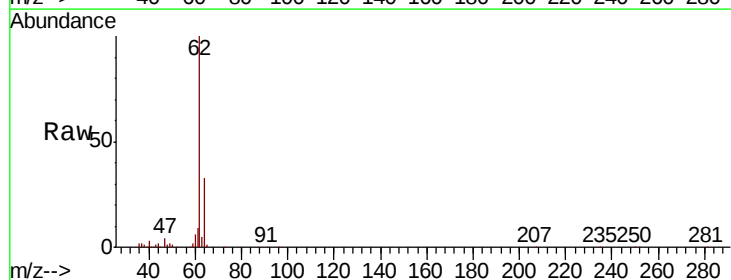
Acq: 20 Feb 2020 10:27

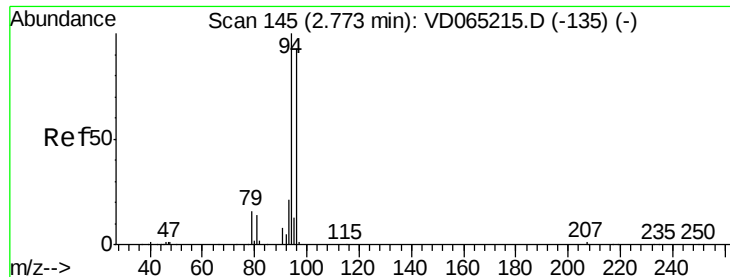
Tgt Ion: 62 Resp: 291135

Ion Ratio Lower Upper

62 100

64 33.3 25.0 37.6





#5

Bromomethane

Concen: 47.307 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

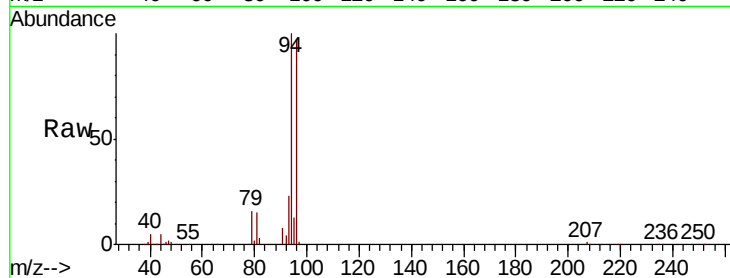
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 164548

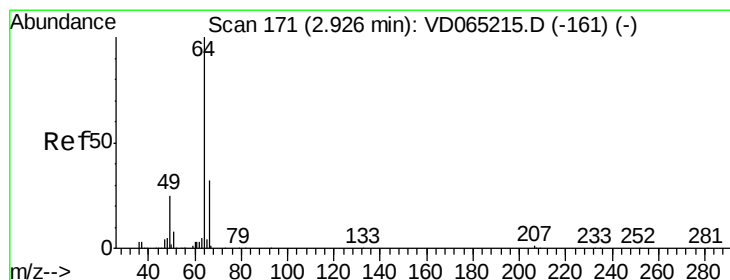
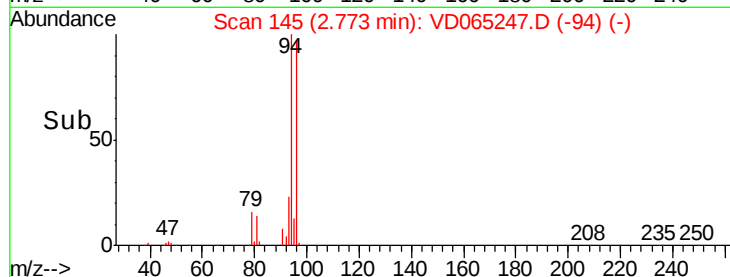
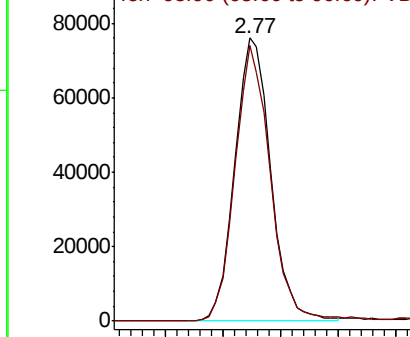
Ion Ratio Lower Upper

94 100

96 97.3 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: 49.441 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065247.D

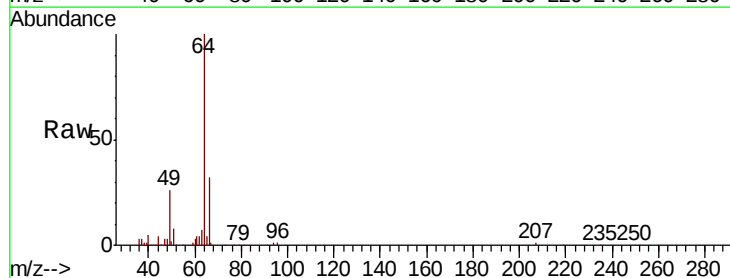
Acq: 20 Feb 2020 10:27

Tgt Ion: 64 Resp: 173611

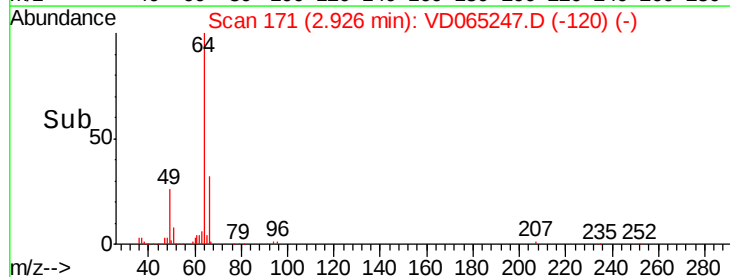
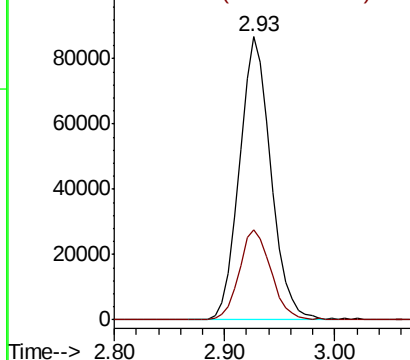
Ion Ratio Lower Upper

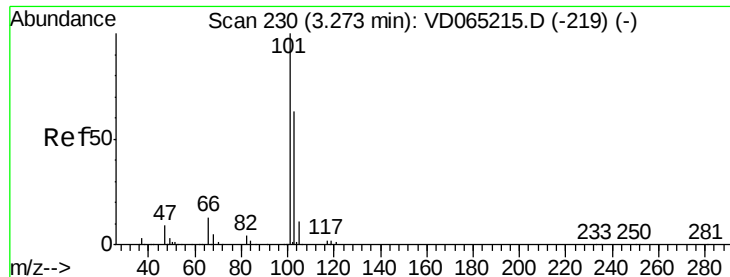
64 100

66 31.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



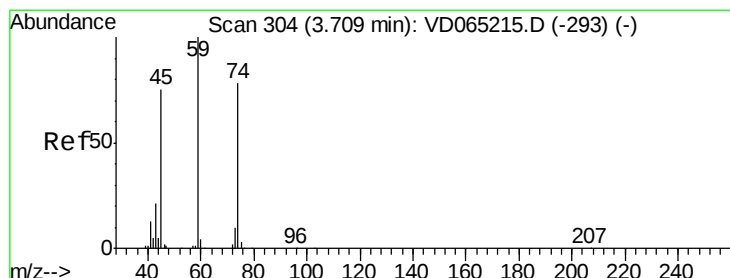
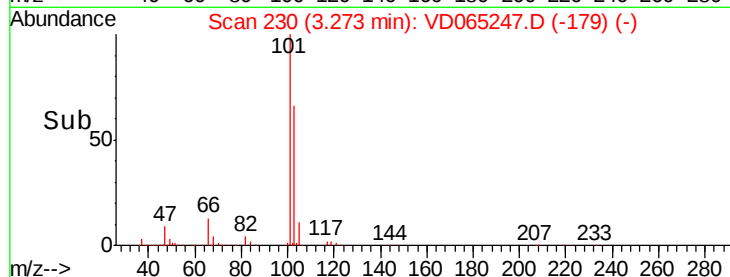
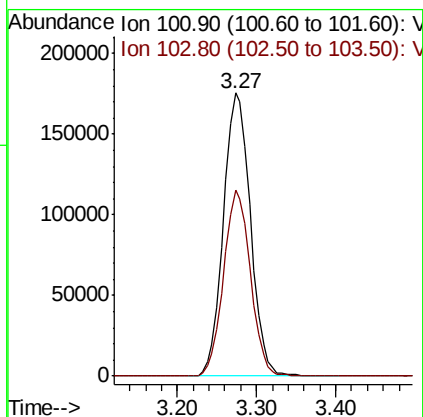
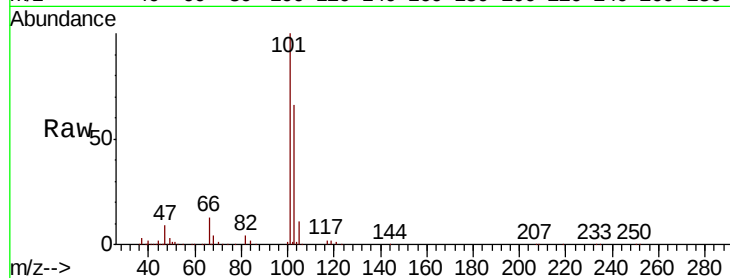


#7

Trichlorofluoromethane
 Concen: 50.324 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :

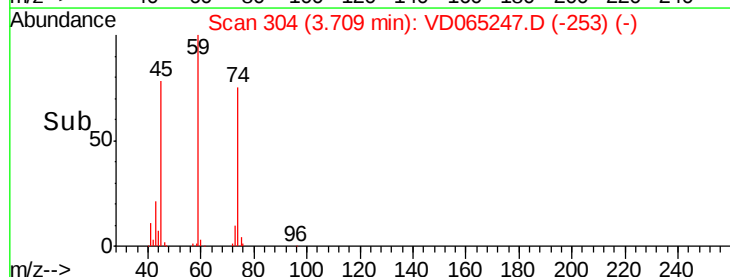
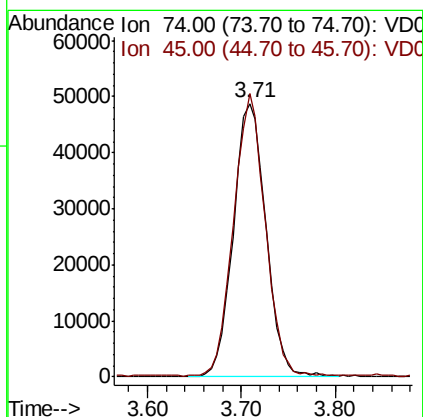
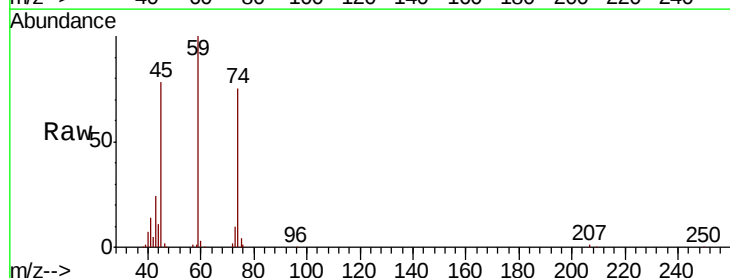
Tot Ion:101 Resp: 414479
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.7 76.1

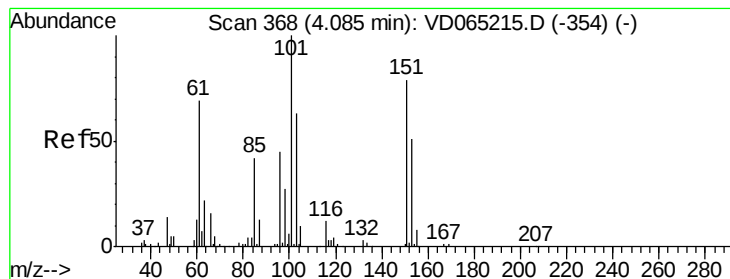


#8

Diethyl Ether
 Concen: 47.150 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion: 74 Resp: 117220
 Ion Ratio Lower Upper
 74 100
 45 100.3 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.156 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

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ClientSampleId :

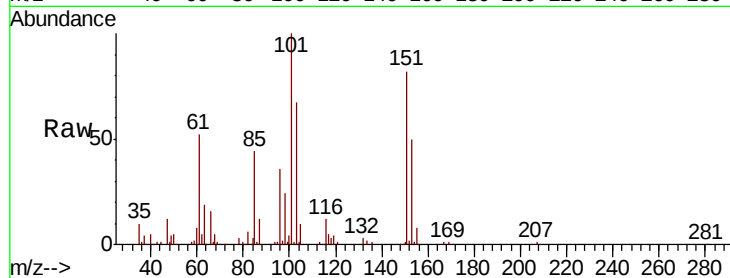
Tot Ion:101 Resp: 266070

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

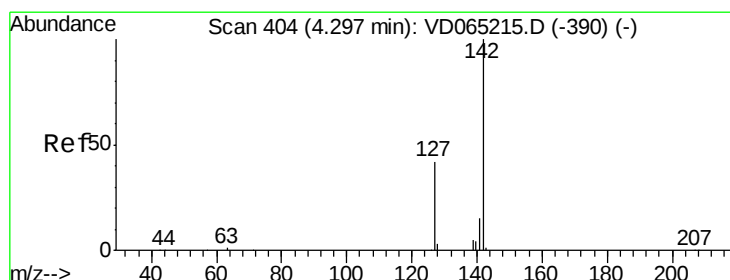
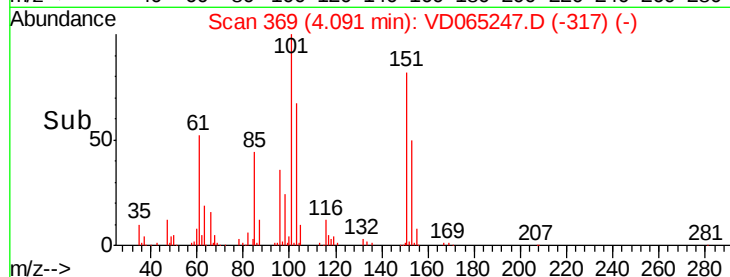
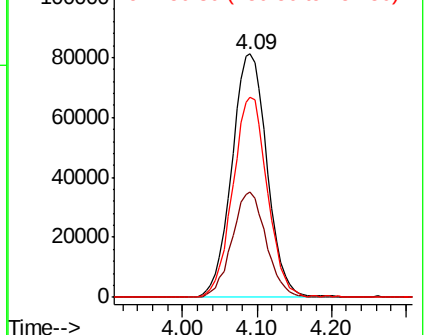
151 80.6 63.5 95.3



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: 56.739 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

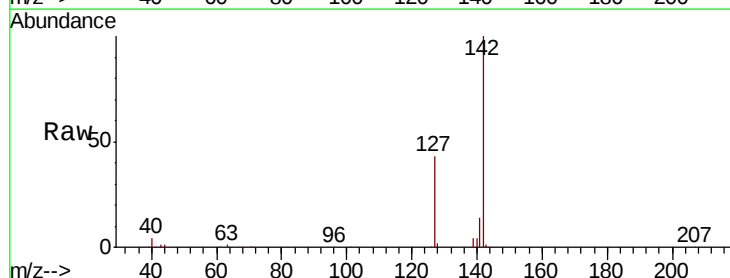
Tgt Ion:142 Resp: 306407

Ion Ratio Lower Upper

142 100

127 42.3 33.8 50.8

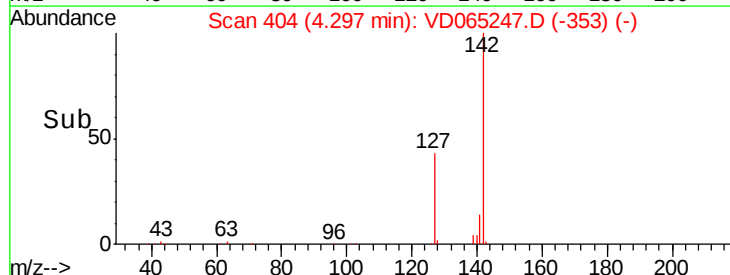
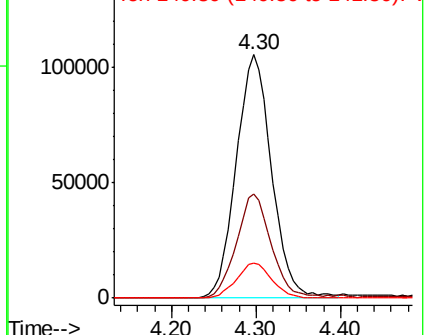
141 14.2 11.7 17.5

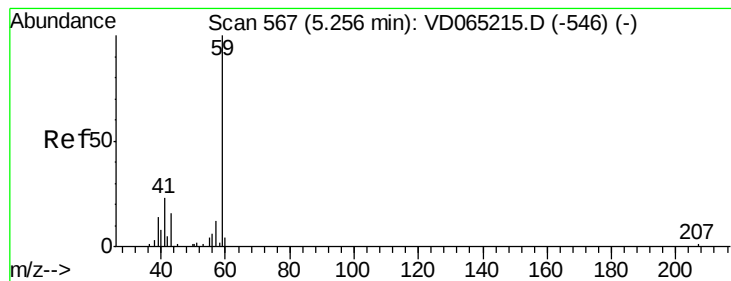


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



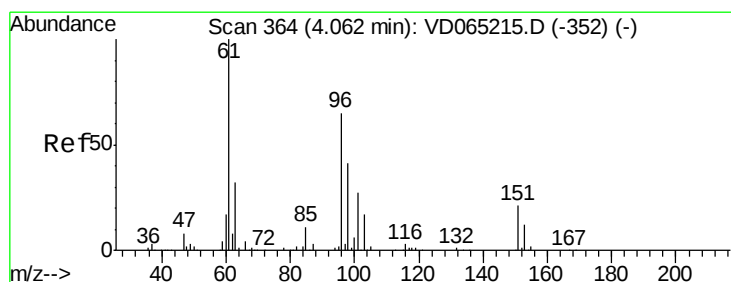
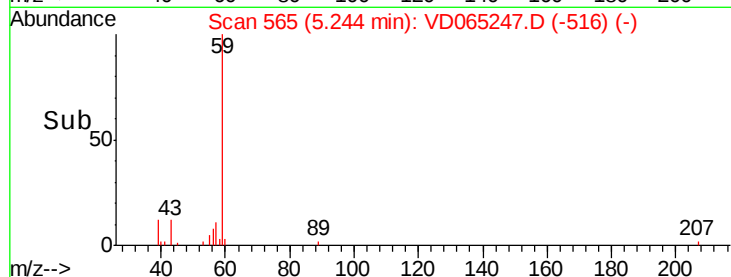
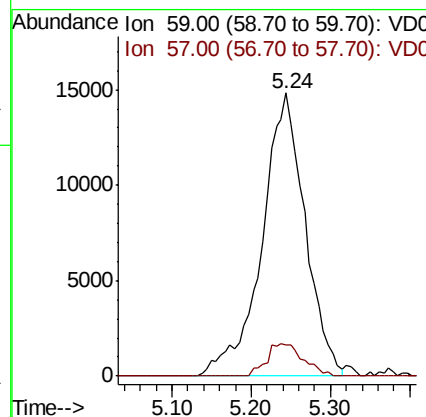
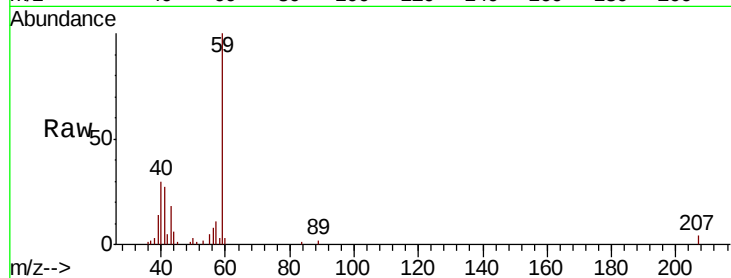


#11

Tert butyl alcohol
Concen: 196.949 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :

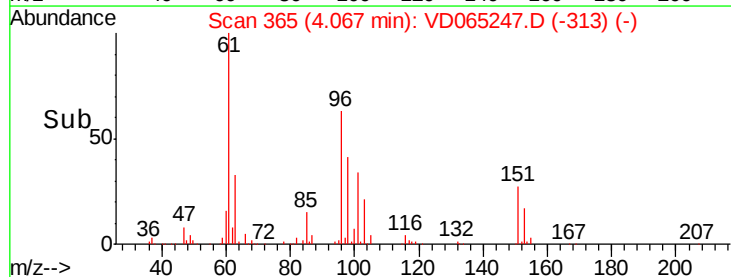
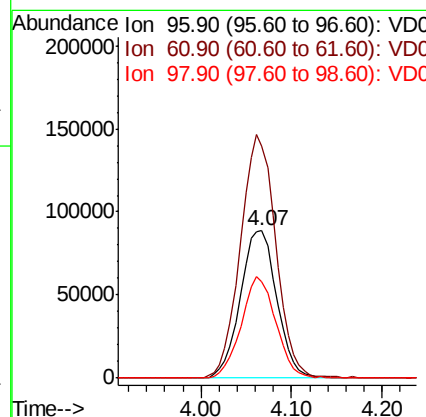
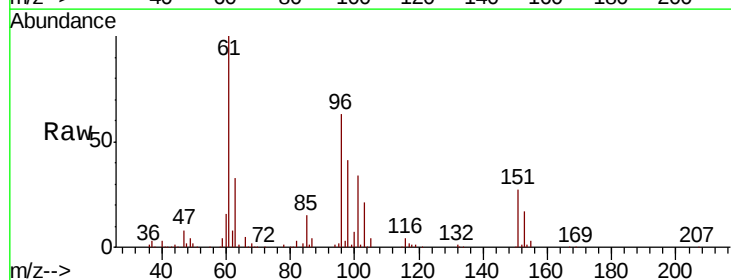
Tot Ion: 59 Resp: 56106
Ion Ratio Lower Upper
59 100
57 9.8 8.4 12.6

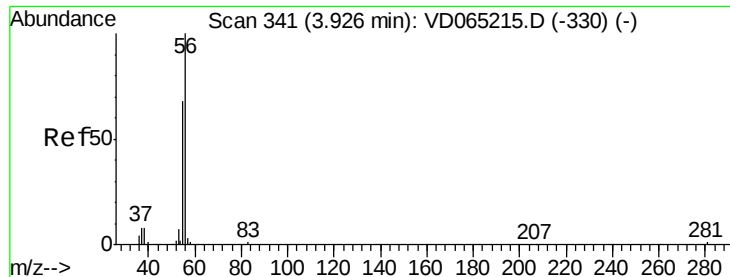


#12

1,1-Dichloroethene
Concen: 50.669 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 96 Resp: 248948
Ion Ratio Lower Upper
96 100
61 157.9 123.3 184.9
98 65.3 51.0 76.4





#13

Acrolein

Concen: 272.485 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

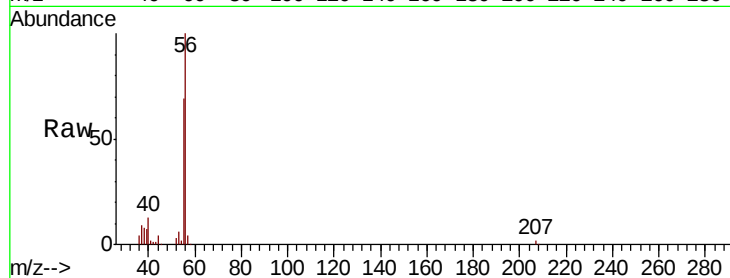
ClientSampleId :

Tot Ion: 56 Resp: 94166

Ion Ratio Lower Upper

56 100

55 72.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

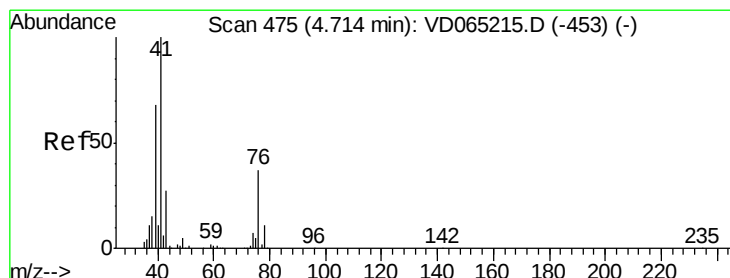
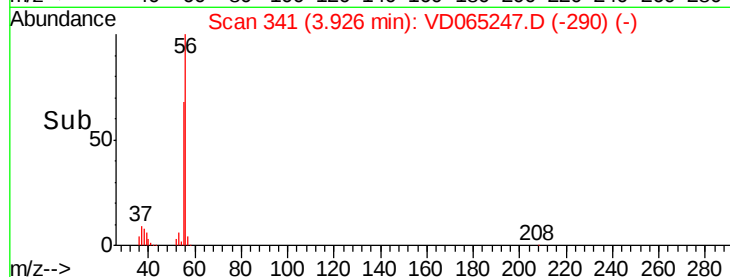
30000

20000

10000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 51.014 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

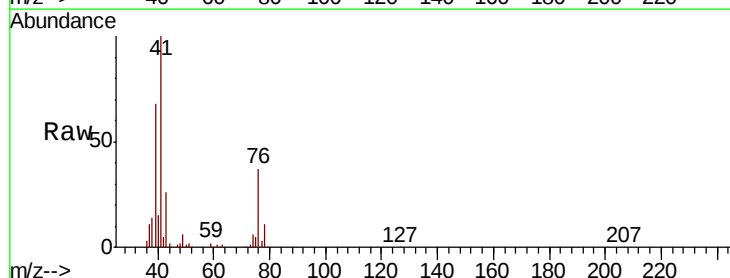
Tgt Ion: 41 Resp: 407027

Ion Ratio Lower Upper

41 100

39 66.2 53.8 80.6

76 35.2 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

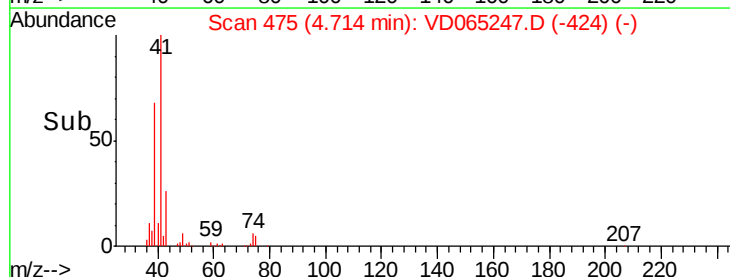
150000

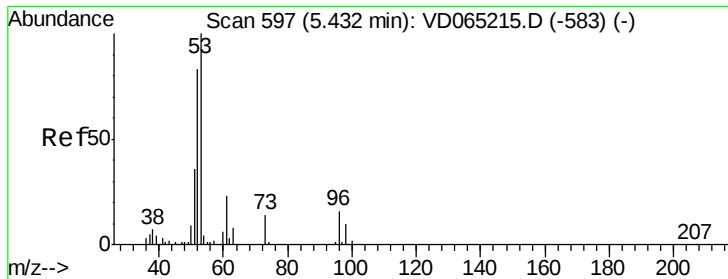
100000

50000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 228.164 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

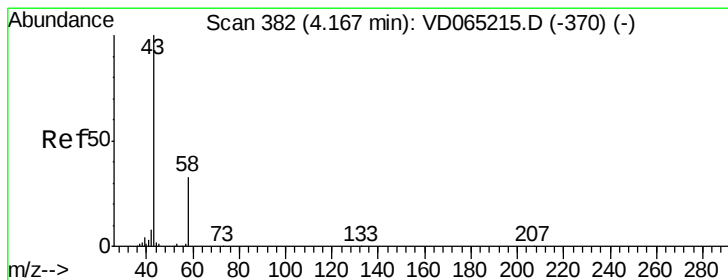
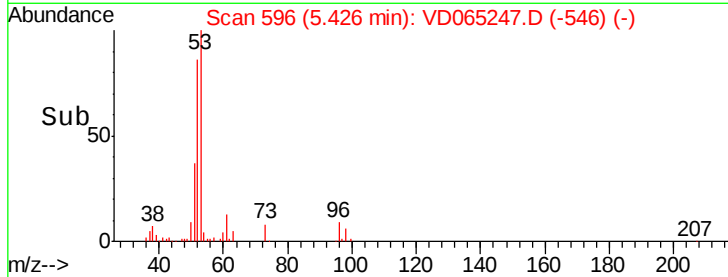
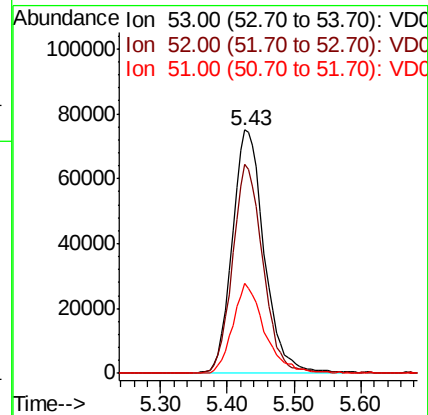
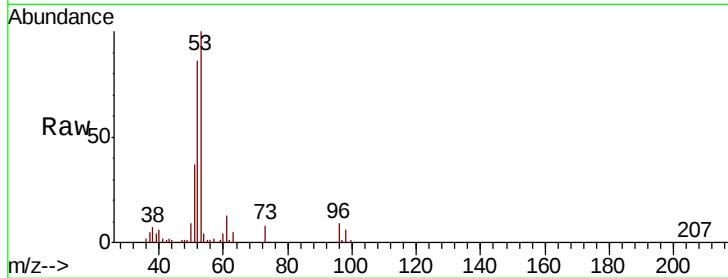
Tot Ion: 53 Resp: 251137

Ion Ratio Lower Upper

53 100

52 82.1 65.4 98.2

51 36.4 29.5 44.3



#16

Acetone

Concen: 262.604 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065247.D

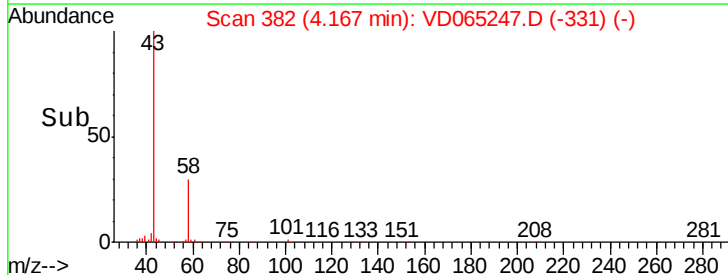
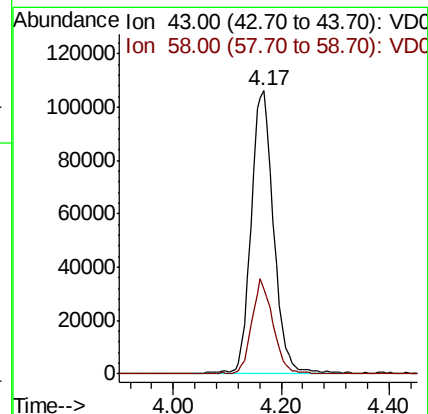
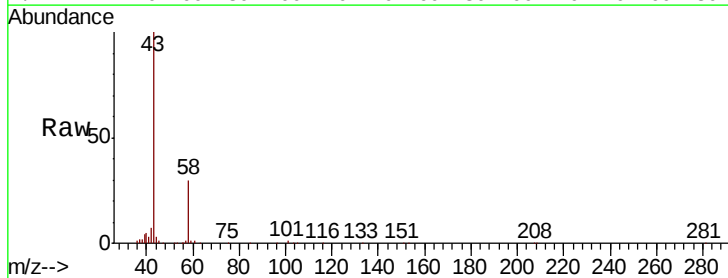
Acq: 20 Feb 2020 10:27

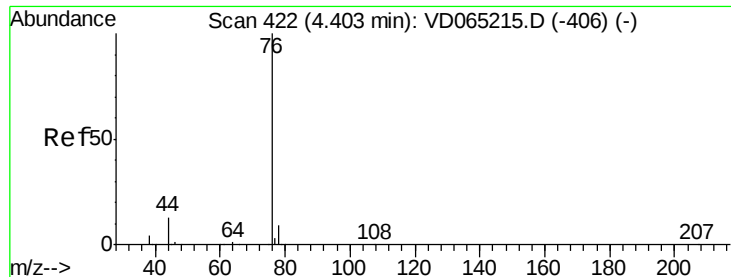
Tgt Ion: 43 Resp: 306029

Ion Ratio Lower Upper

43 100

58 30.2 26.2 39.2

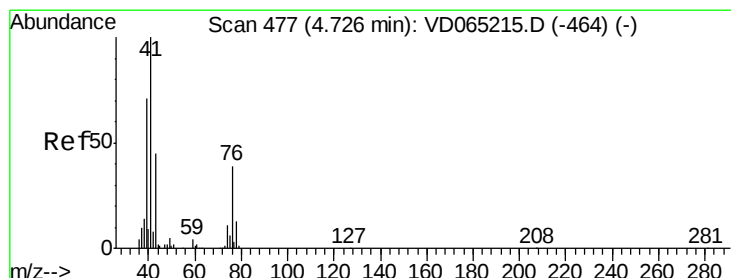
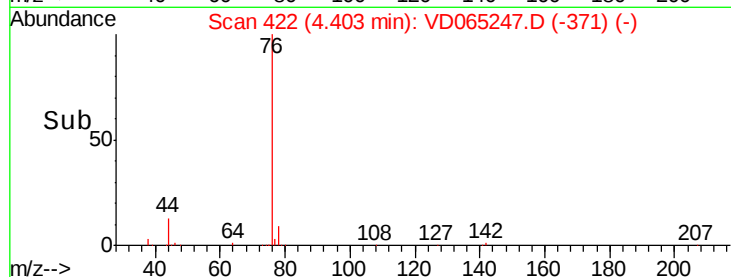
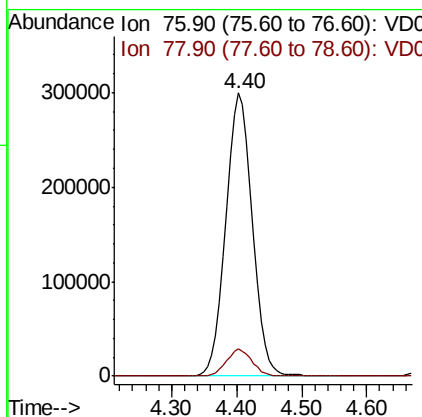
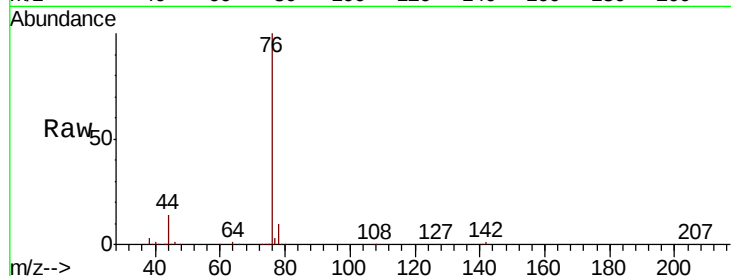




#17
Carbon Disulfide
Concen: 51.342 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

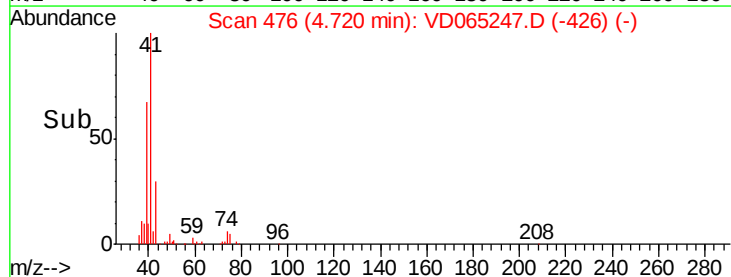
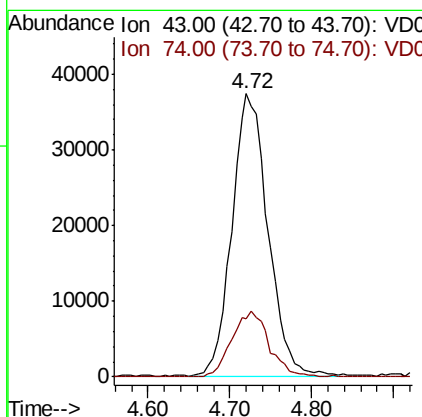
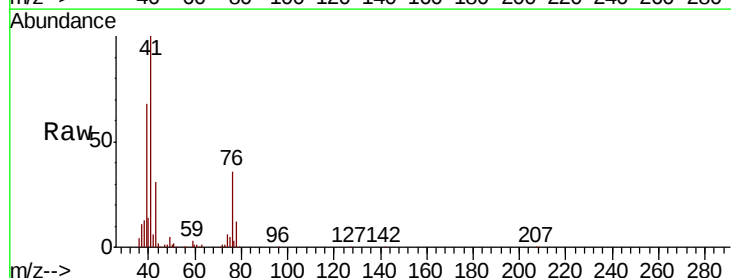
Instrument :
MSVOA_D
ClientSampleId :

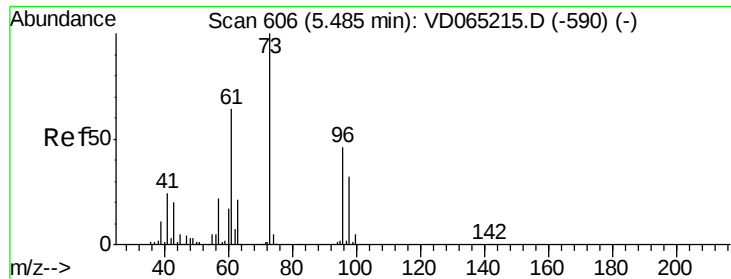
Tot Ion: 76 Resp: 845717
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6



#18
Methyl Acetate
Concen: 43.955 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 43 Resp: 115206
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2



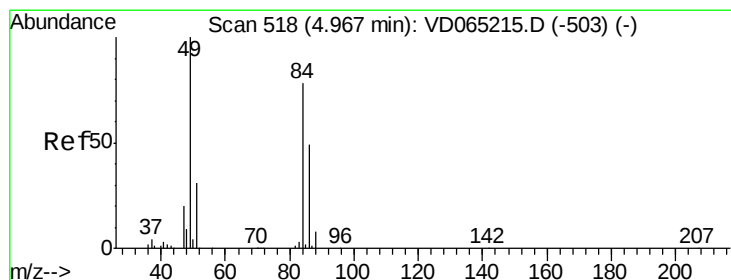
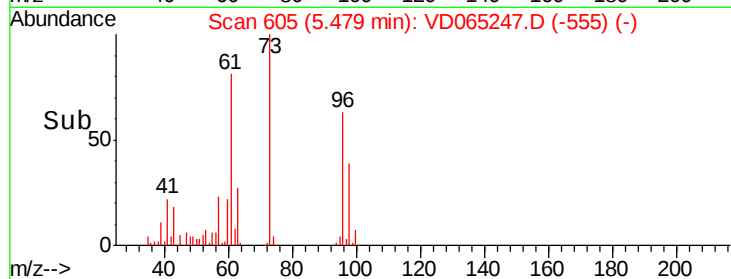
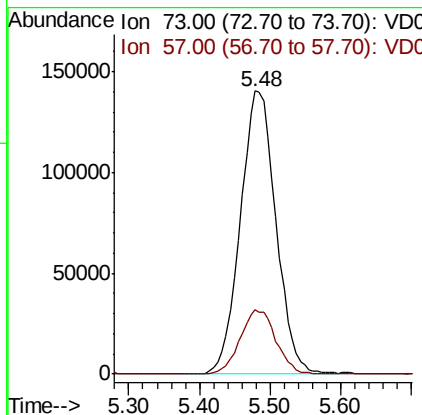
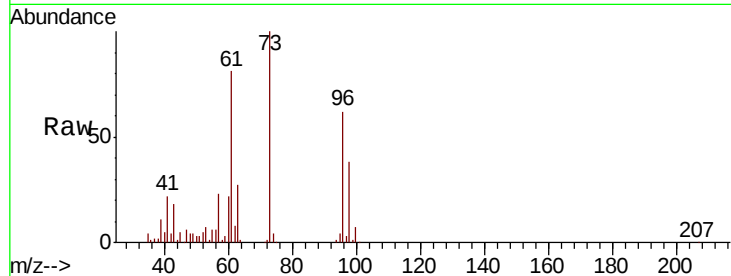


#19

Methyl tert-butyl Ether
 Concen: 48.148 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampled :

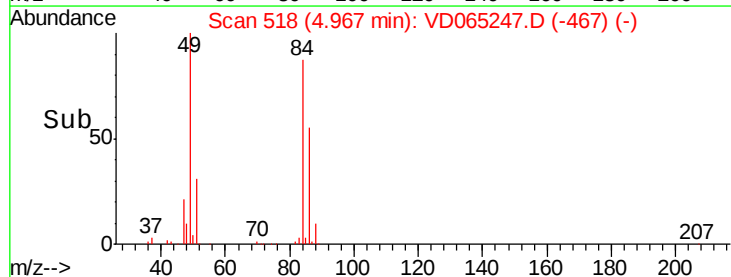
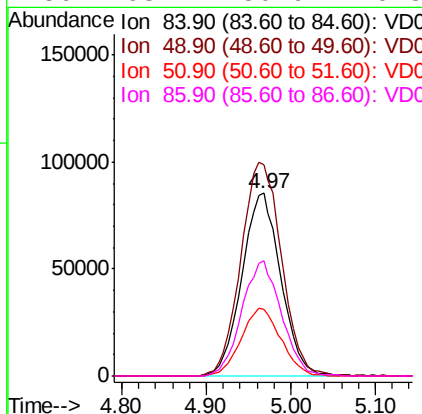
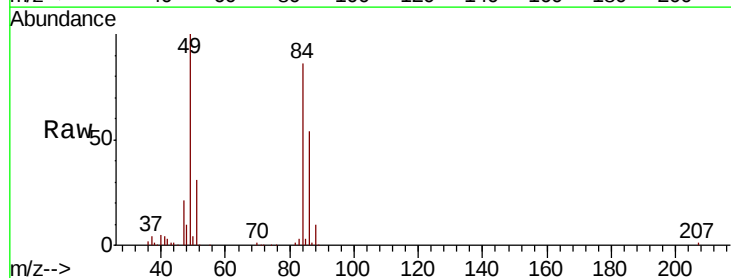
Tot Ion: 73 Resp: 493313
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.3 25.9

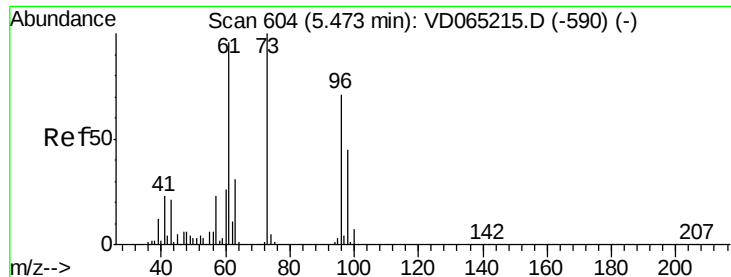


#20

Methylene Chloride
 Concen: 53.015 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion: 84 Resp: 273595
 Ion Ratio Lower Upper
 84 100
 49 115.8 103.1 154.7
 51 36.2 31.7 47.5
 86 63.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.461 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

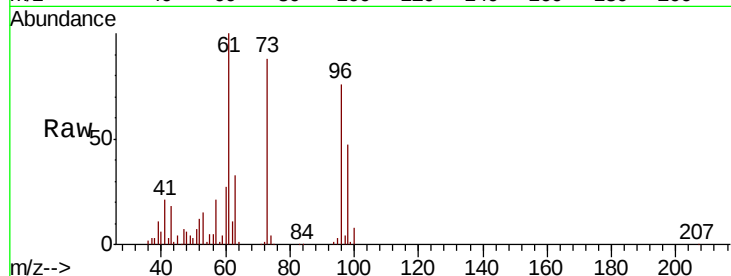
Tot Ion: 96 Resp: 287436

Ion Ratio Lower Upper

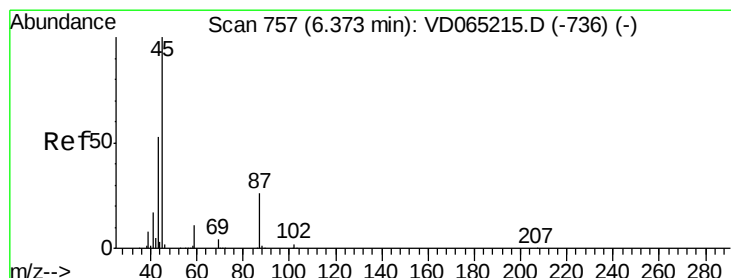
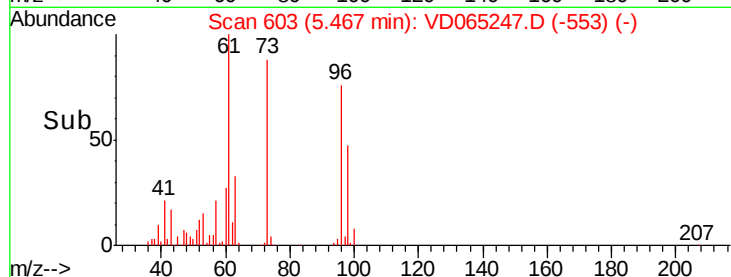
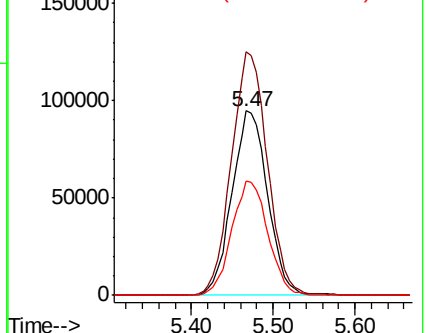
96 100

61 131.6 108.3 162.5

98 61.9 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: 50.596 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Tgt Ion: 45 Resp: 778229

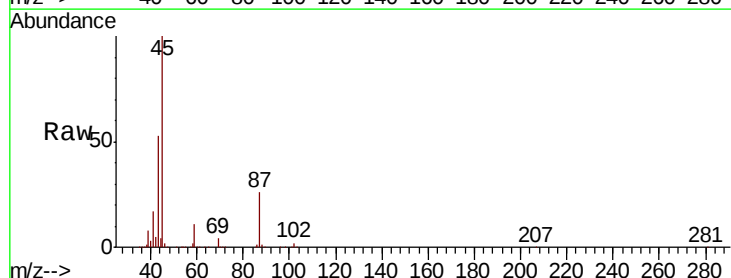
Ion Ratio Lower Upper

45 100

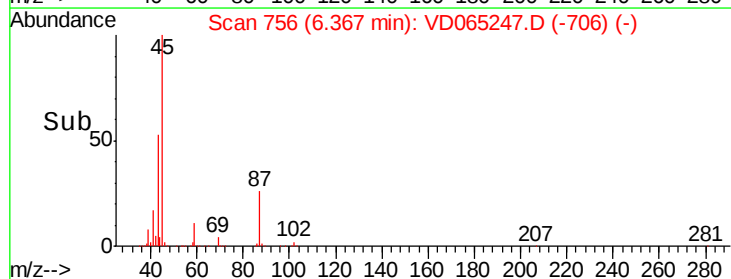
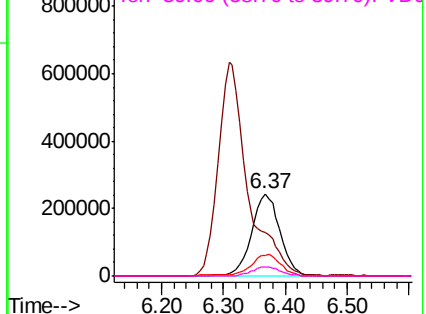
43 52.8 42.6 64.0

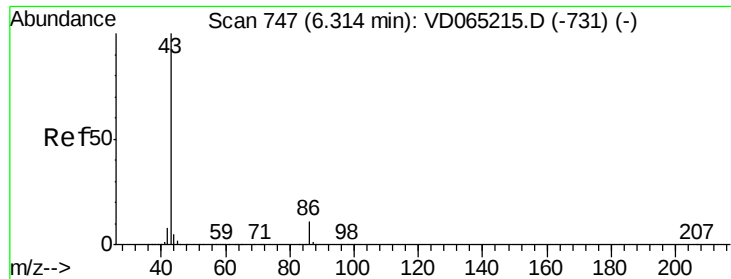
87 25.5 21.2 31.8

59 11.1 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: 248.234 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

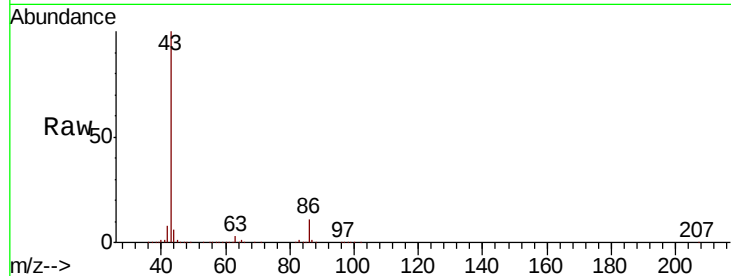
ClientSampleId :

Tot Ion: 43 Resp: 2104907

Ion Ratio Lower Upper

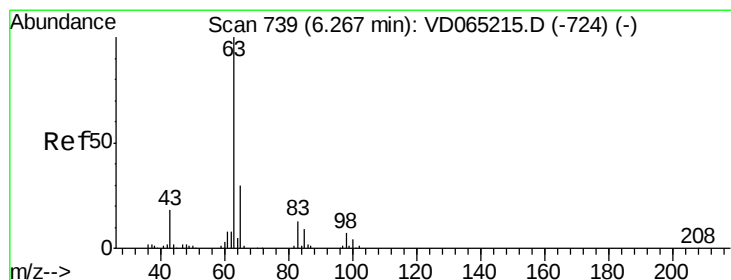
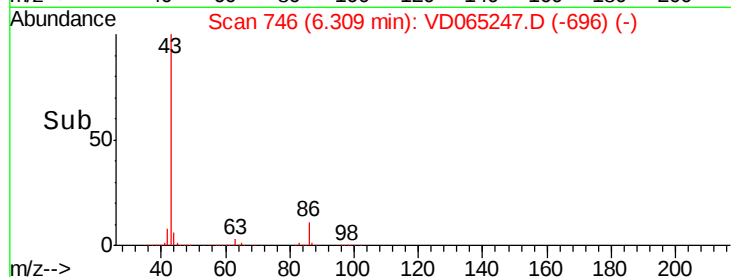
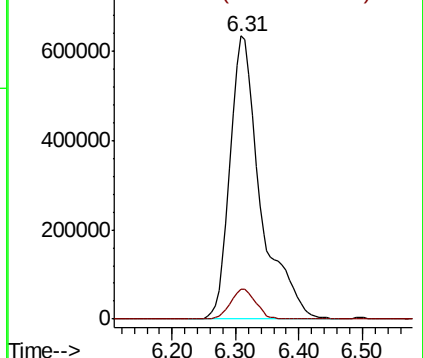
43 100

86 10.7 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: 49.245 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

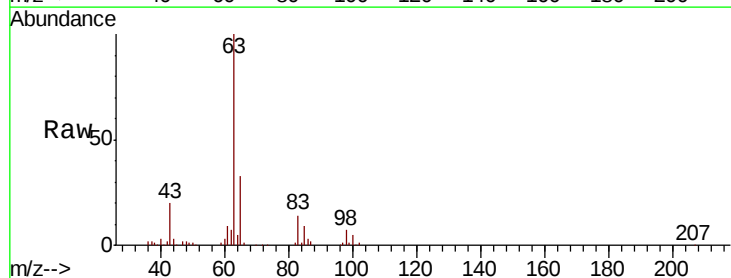
Tgt Ion: 63 Resp: 469816

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

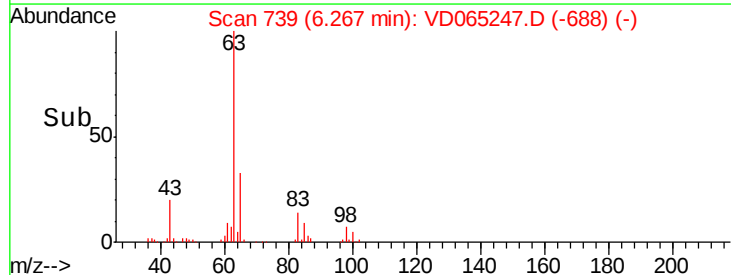
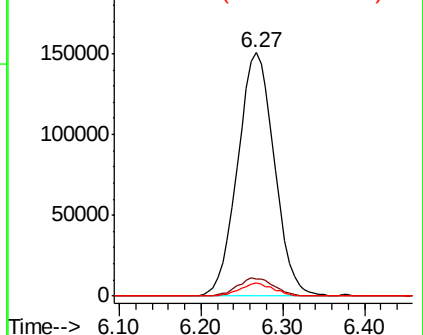
100 5.3 2.3 6.8

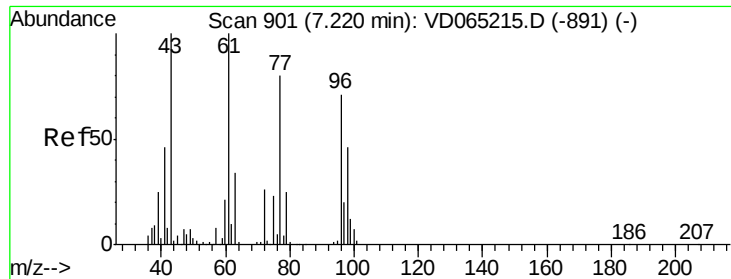


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 231.500 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

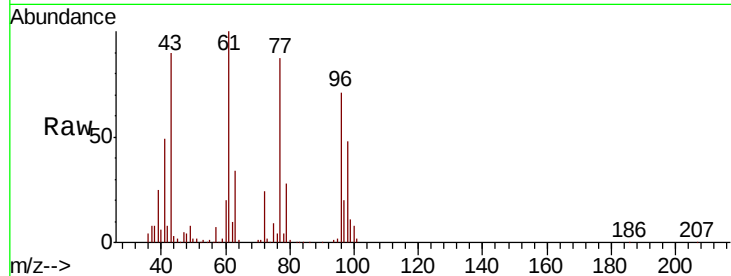
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 341333

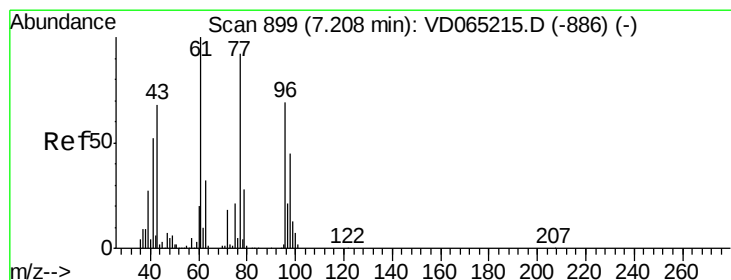
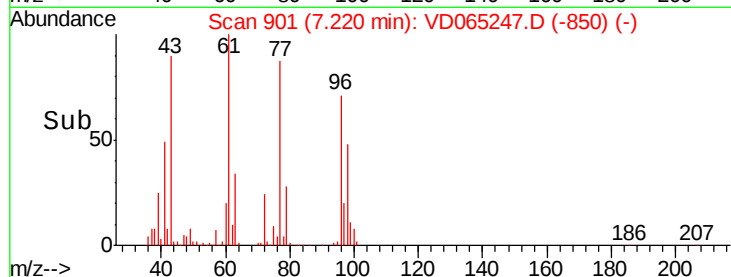
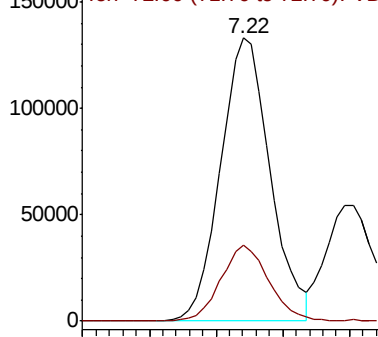
Ion Ratio Lower Upper

43 100

72 26.9 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: 50.306 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065247.D

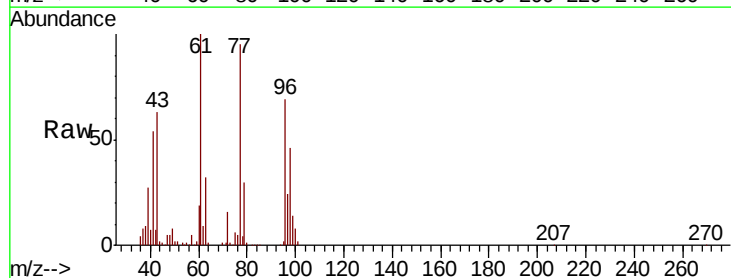
Acq: 20 Feb 2020 10:27

Tgt Ion: 77 Resp: 416408

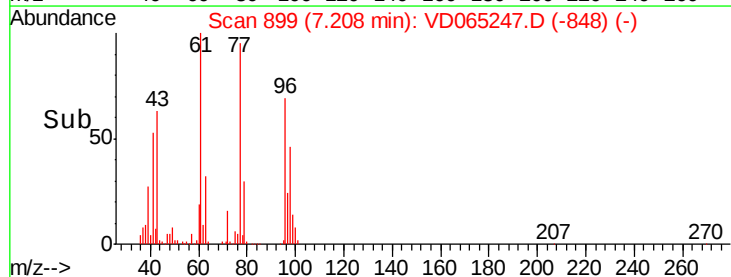
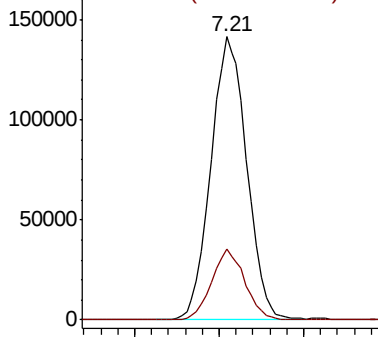
Ion Ratio Lower Upper

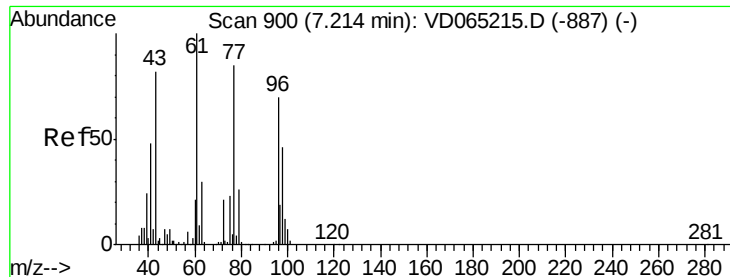
77 100

97 23.2 11.7 35.1



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



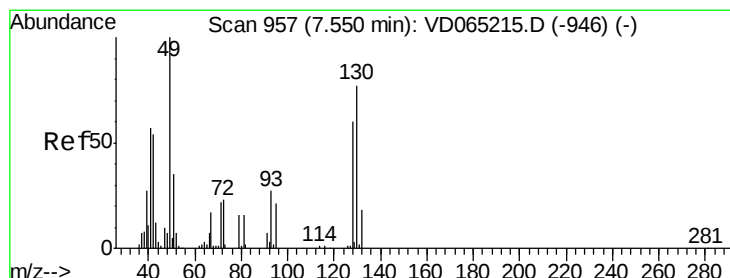
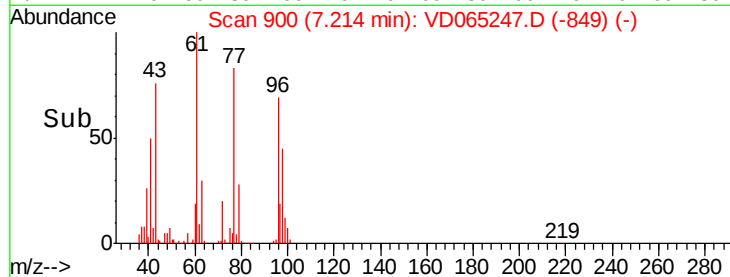
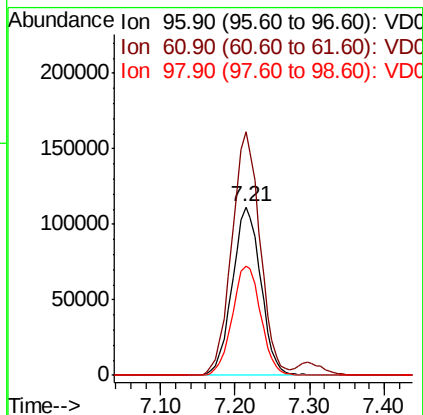
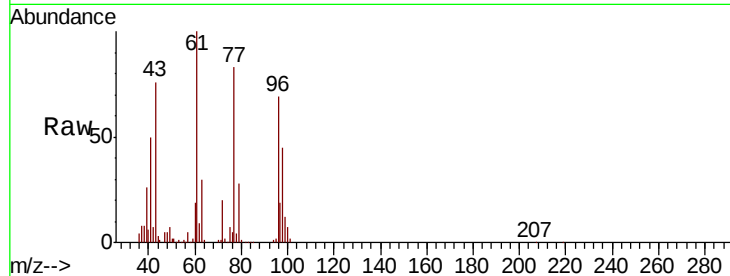


#27

cis-1,2-Dichloroethene
Concen: 49.993 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :

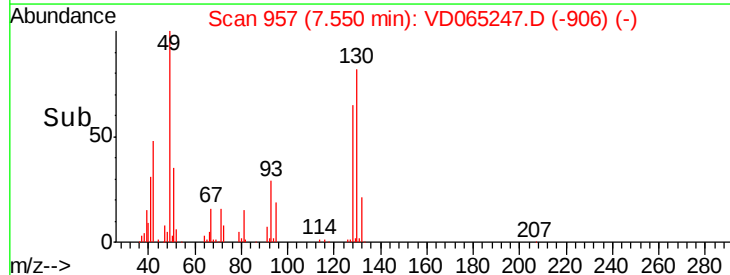
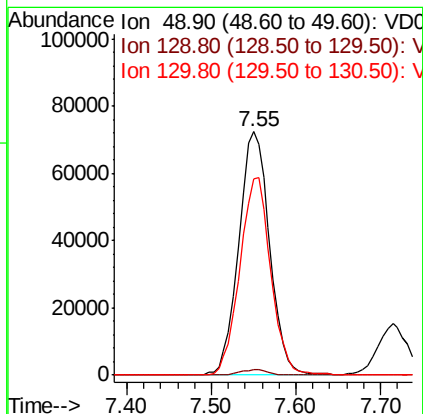
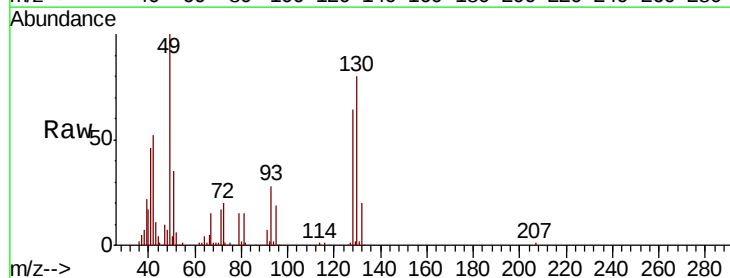
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	286.0
98	65.1	0.0	127.8

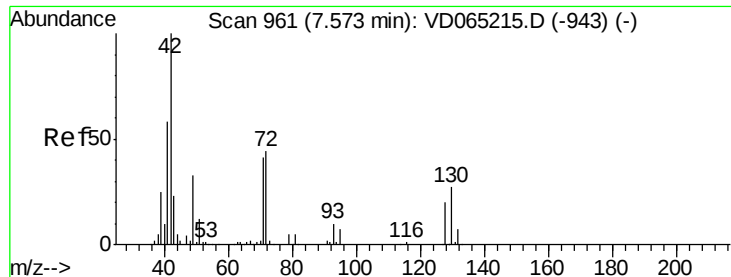


#28

Bromochloromethane
Concen: 51.871 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

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

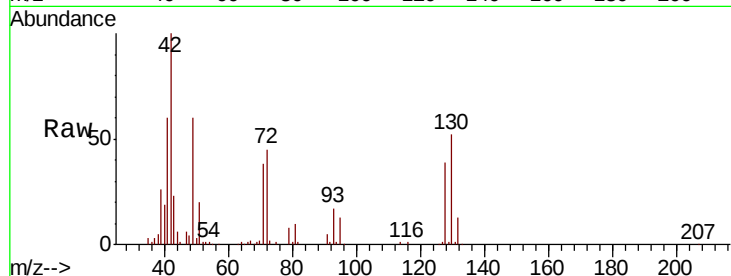




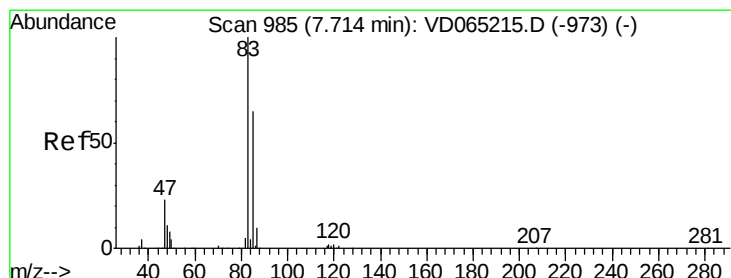
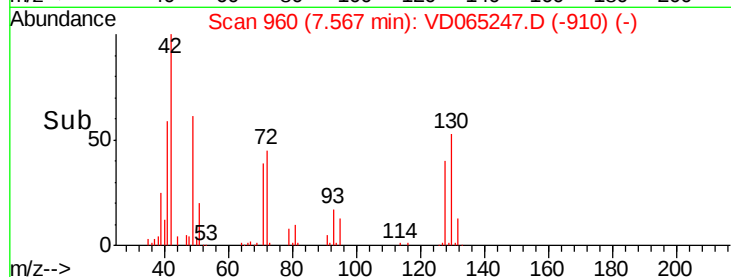
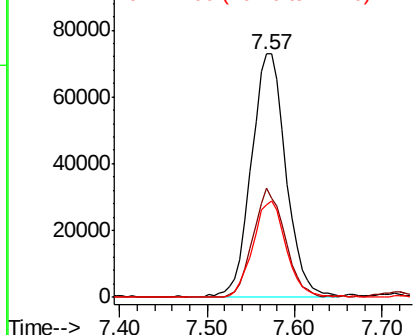
#29
Tetrahydrofuran
Concen: 226.738 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 42 Resp: 195881
Ion Ratio Lower Upper
42 100
72 41.8 33.7 50.5
71 38.4 31.4 47.2

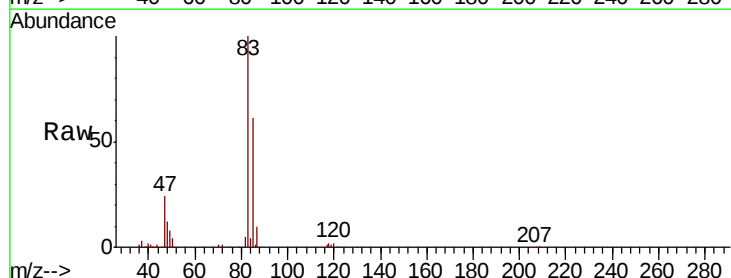


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

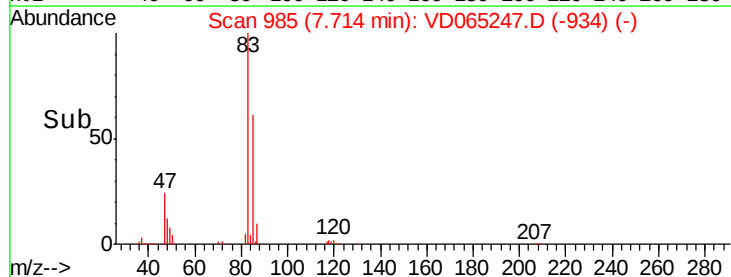
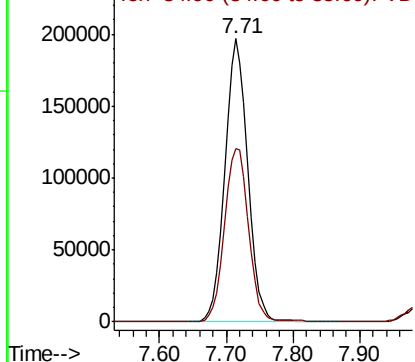


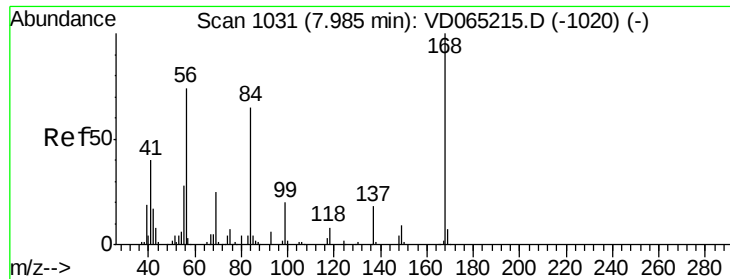
#30
Chloroform
Concen: 49.488 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 83 Resp: 475659
Ion Ratio Lower Upper
83 100
85 61.0 52.3 78.5



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

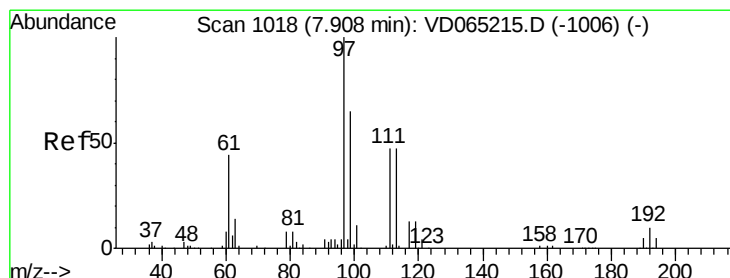
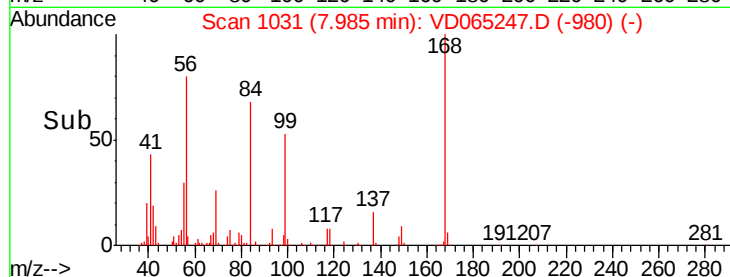
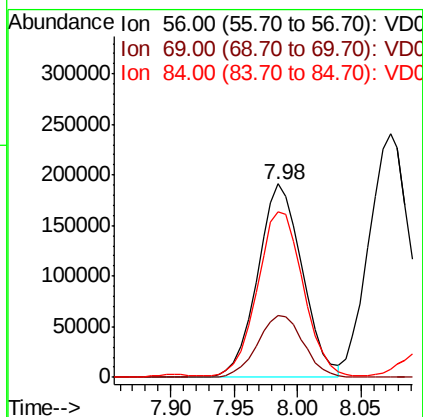
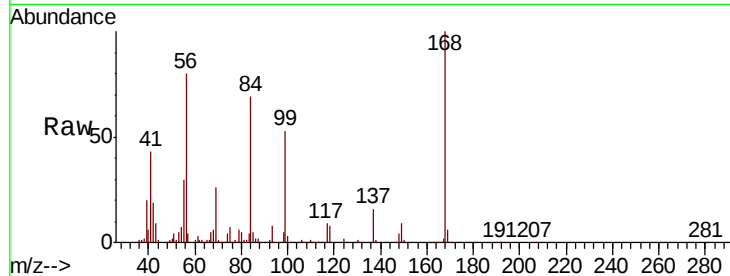




#31
Cyclohexane
Concen: 50.066 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

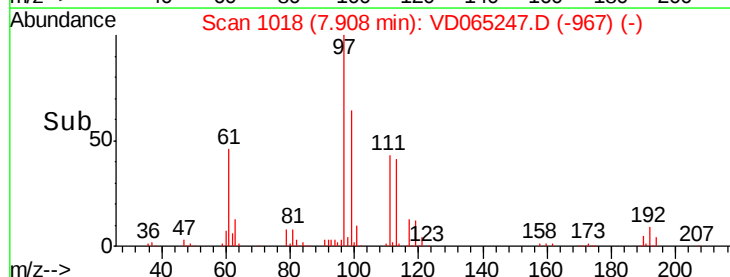
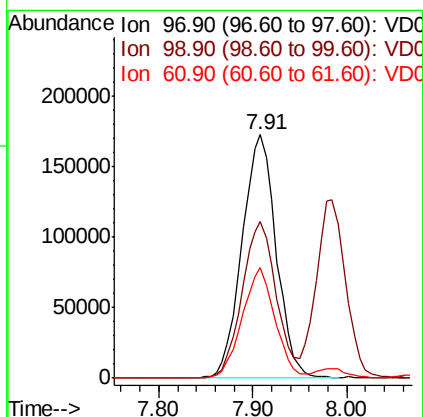
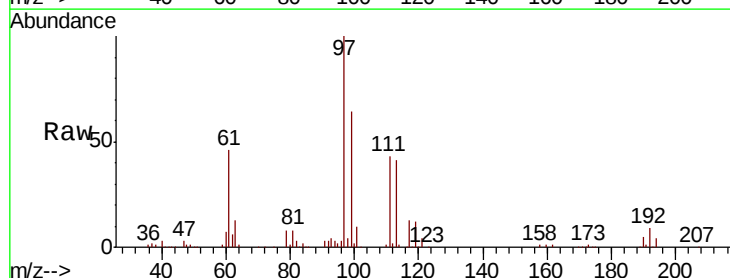
Instrument :
MSVOA_D
ClientSampleId :

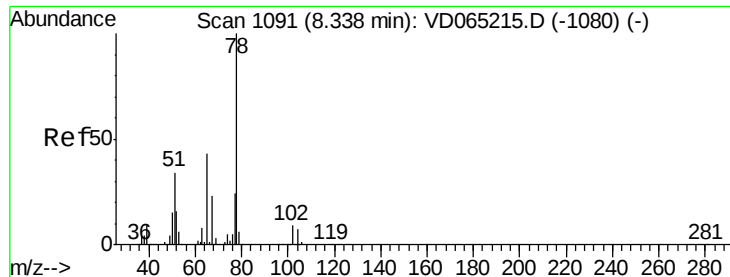
Tot Ion: 56 Resp: 469300
Ion Ratio Lower Upper
56 100
69 32.0 27.4 41.0
84 84.6 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 50.486 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 97 Resp: 434165
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.2
61 43.5 34.8 52.2

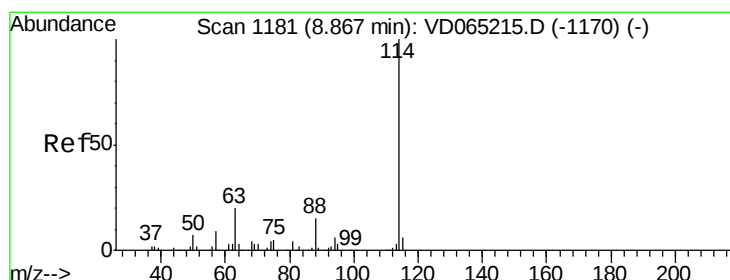
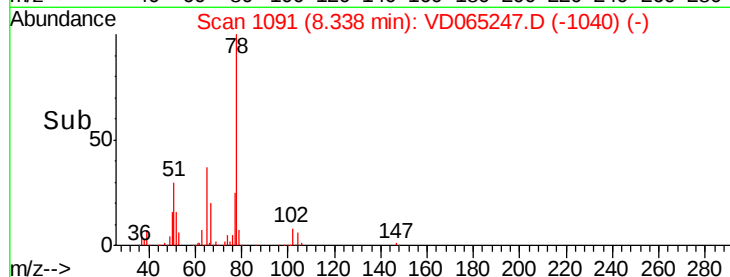
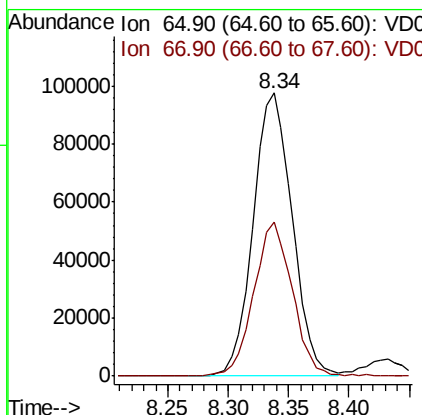
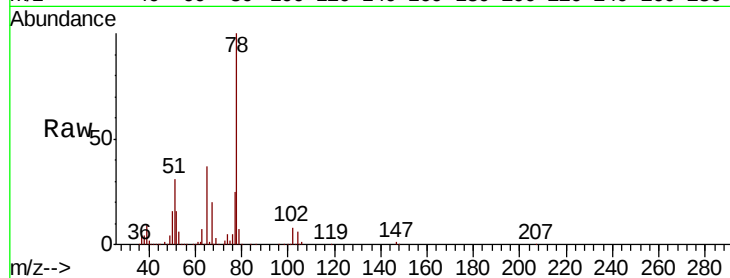




#33
 1,2-Dichloroethane-d4
 Concen: 45.941 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

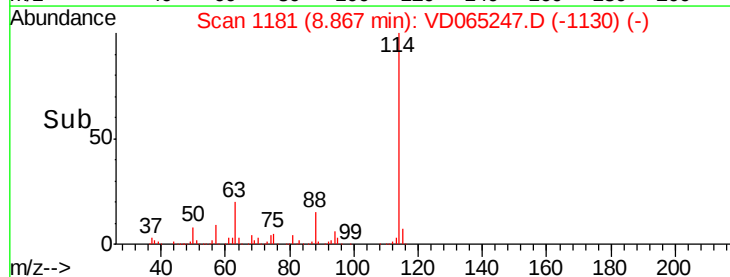
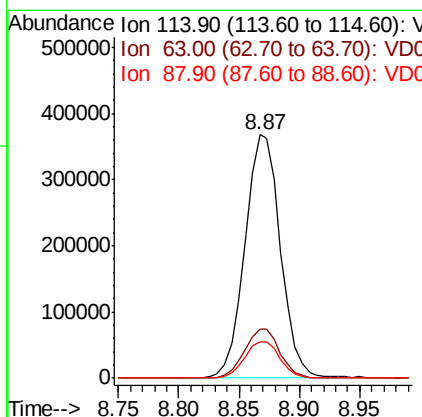
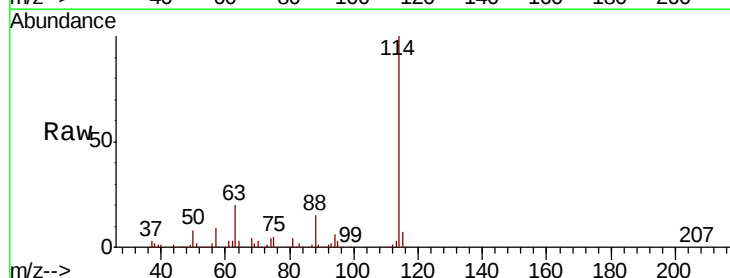
Instrument :
 MSVOA_D
 ClientSampled :

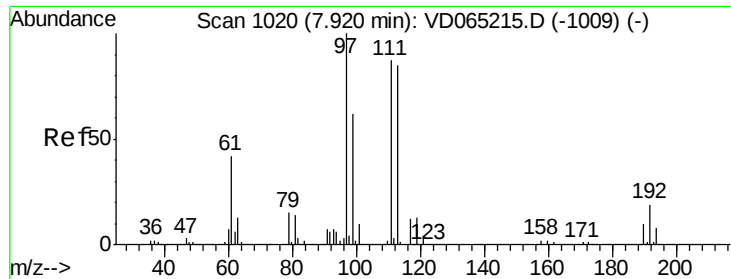
Tot Ion: 65 Resp: 219017
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion: 114 Resp: 753971
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 15.1 0.0 30.4

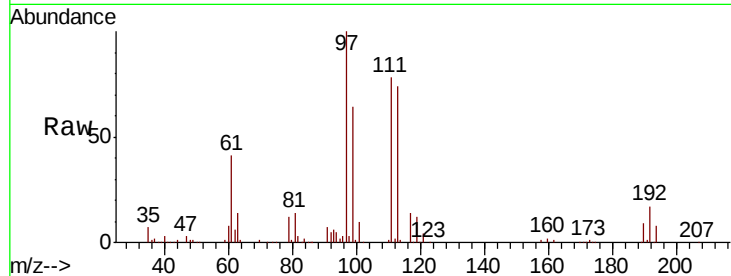




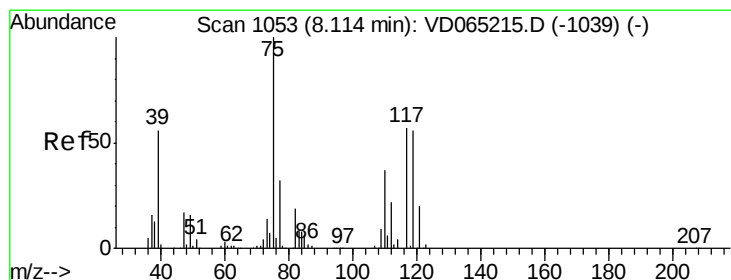
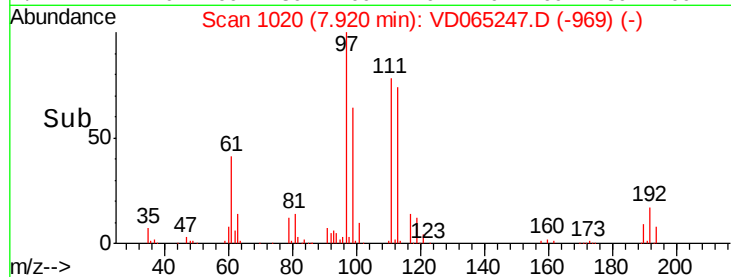
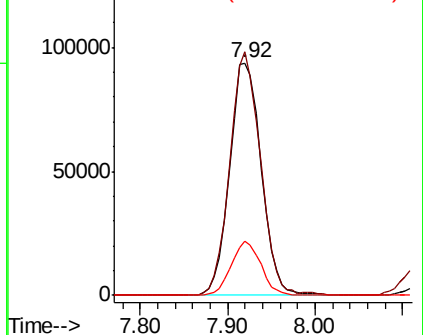
#35
 Dibromofluoromethane
 Concen: 50.072 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.9	124.3
192	21.8	17.3	25.9

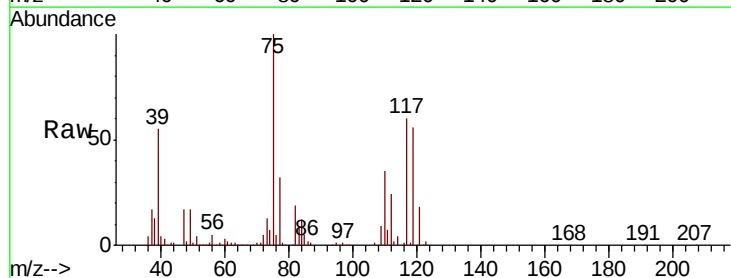


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

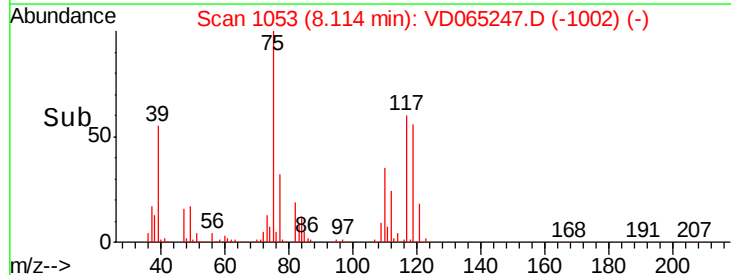
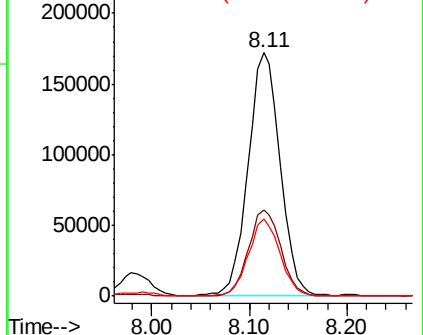


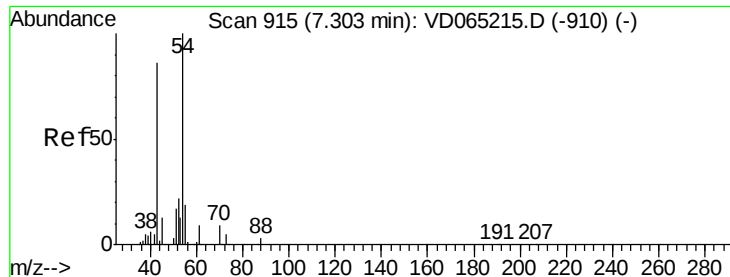
#36
 1,1-Dichloropropene
 Concen: 53.981 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.9	53.7
77	31.6	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

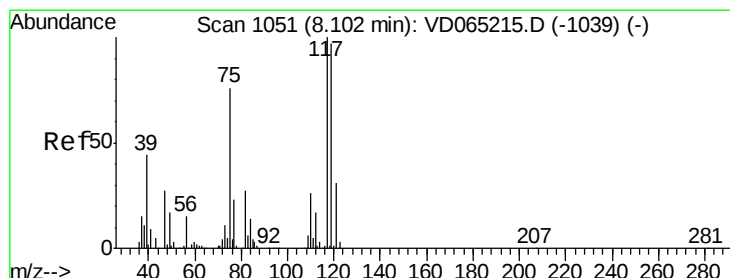
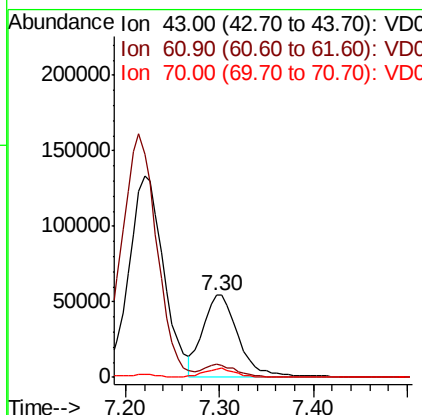
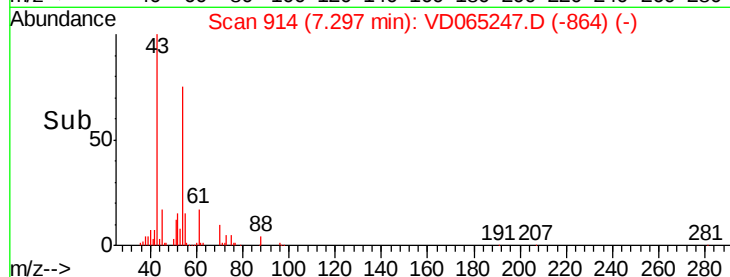
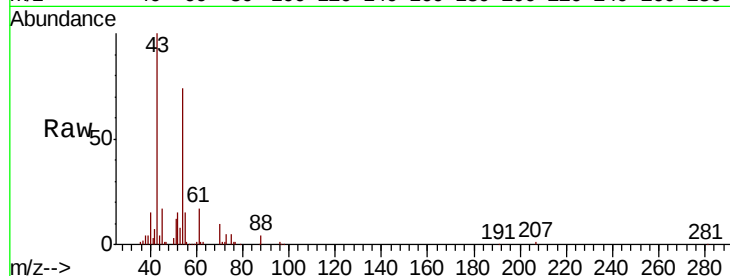




#37
Ethyl Acetate
Concen: 45.929 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

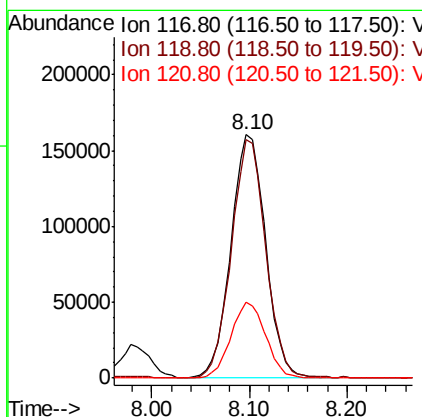
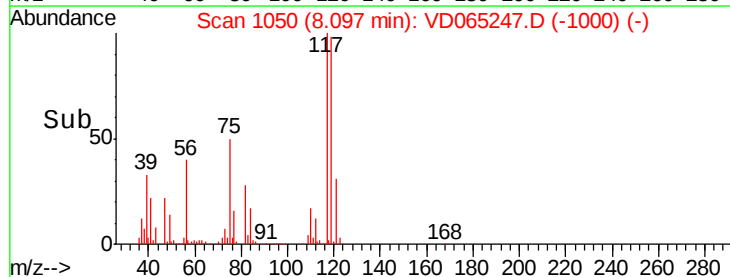
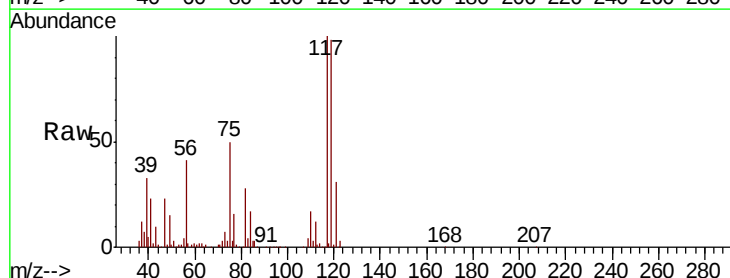
Instrument :
MSVOA_D
ClientSampleId :

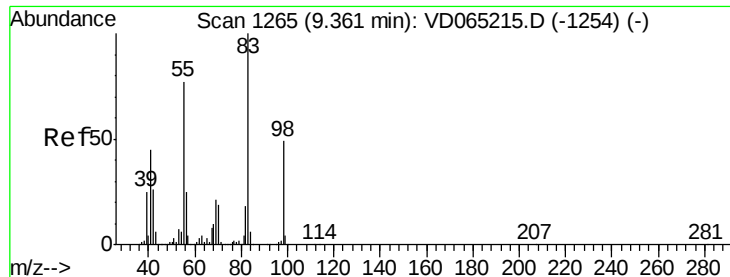
Tot Ion: 43 Resp: 140857
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 10.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 52.972 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 117 Resp: 395603
Ion Ratio Lower Upper
117 100
119 97.8 77.6 116.4
121 31.2 24.8 37.2

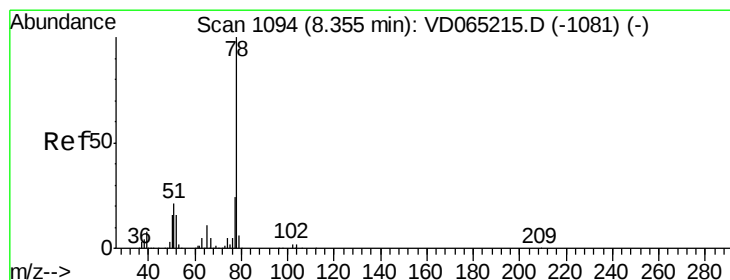
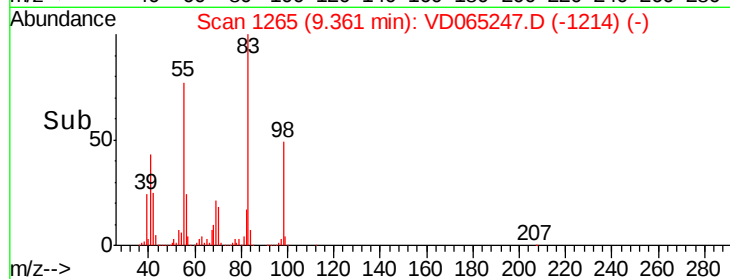
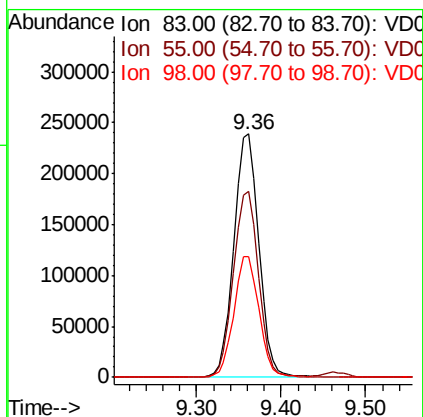
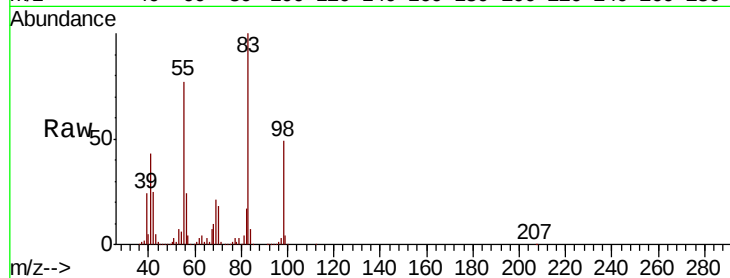




#39
Methvlcvclohexane
Concen: 56.398 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

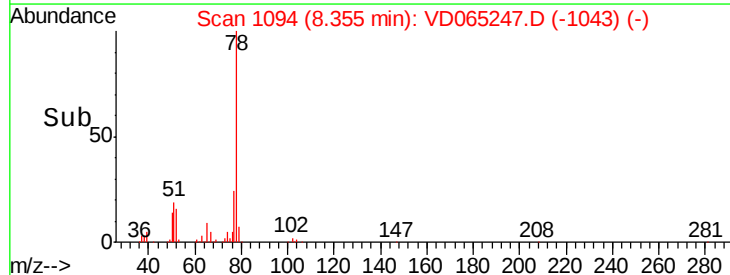
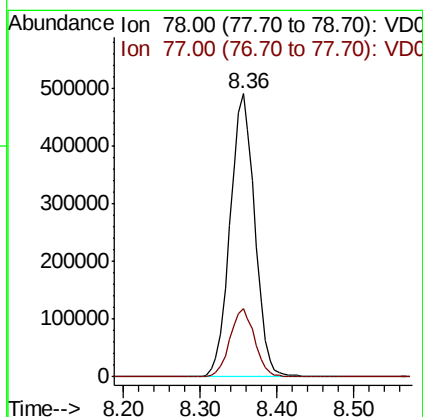
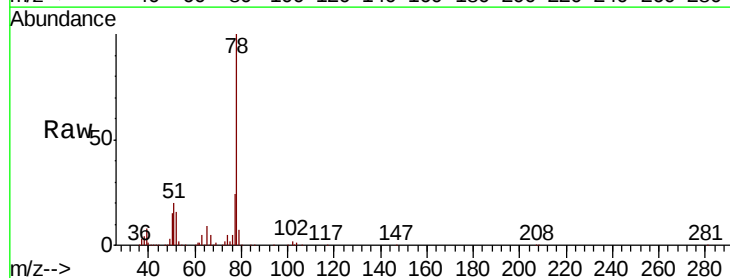
Instrument :
MSVOA_D
ClientSampleId :

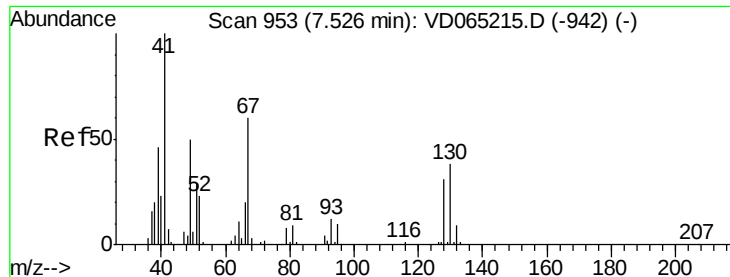
Tot Ion: 83 Resp: 486412
Ion Ratio Lower Upper
83 100
55 76.6 61.8 92.6
98 49.4 39.4 59.0



#40
Benzene
Concen: 53.312 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 78 Resp: 1103926
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6

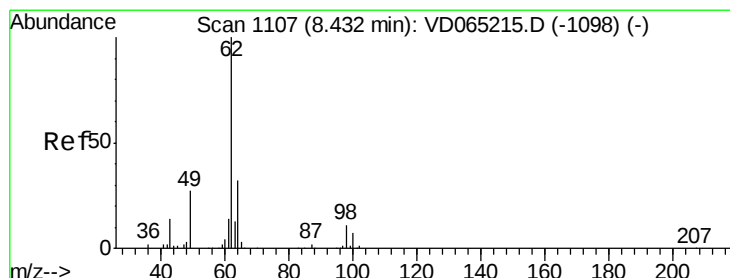
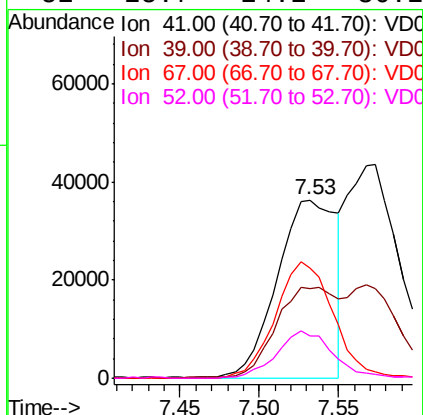
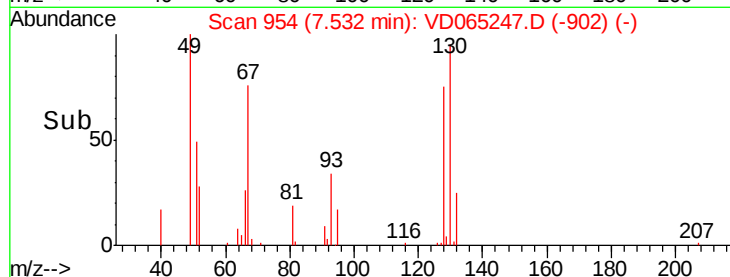
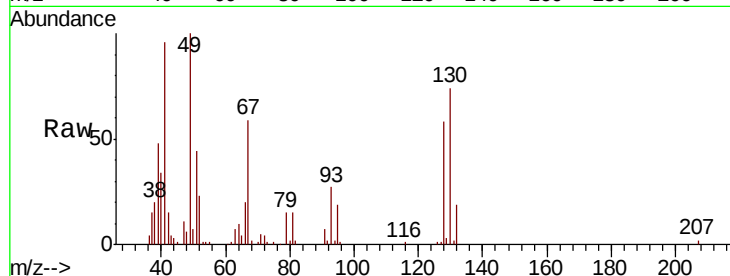




#41
Methacrylonitrile
Concen: 53.594 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

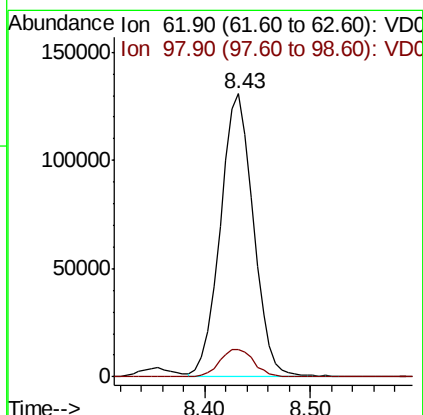
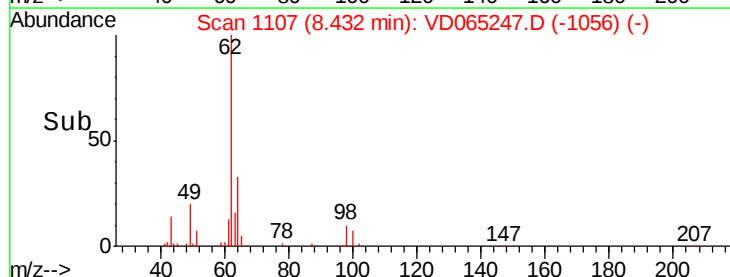
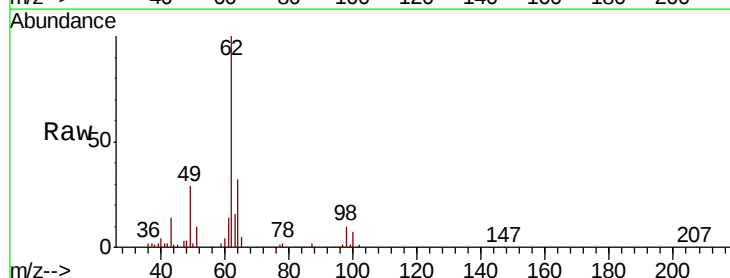
Instrument :
MSVOA_D
ClientSampleId :

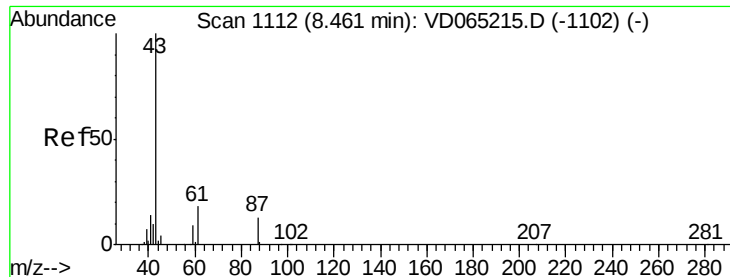
Tot Ion:	41	Resp:	94903
Ion	Ratio	Lower	Upper
41	100		
39	52.0	48.1	72.1
67	63.6	58.9	88.3
52	25.7	24.2	36.2



#42
1,2-Dichloroethane
Concen: 49.549 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion:	62	Resp:	282068
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 46.744 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

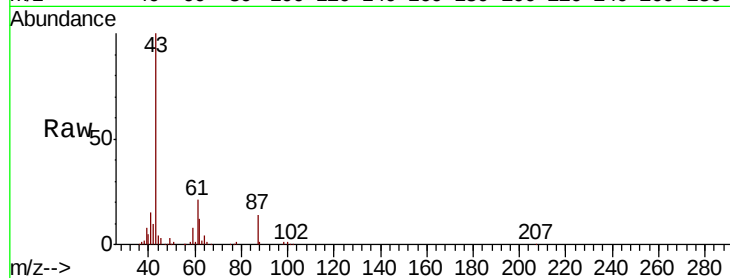
Tot Ion: 43 Resp: 260691

Ion Ratio Lower Upper

43 100

61 32.7 24.6 36.8

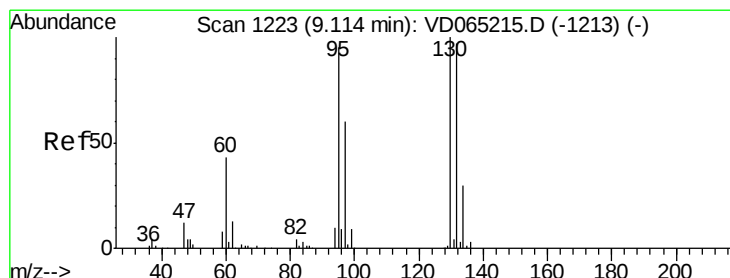
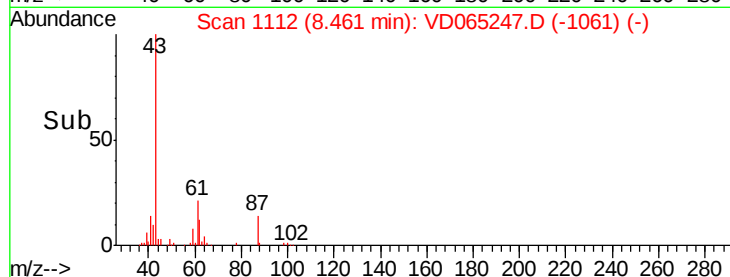
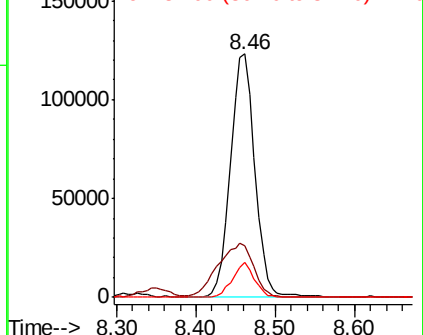
87 13.0 10.6 16.0



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: 53.357 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065247.D

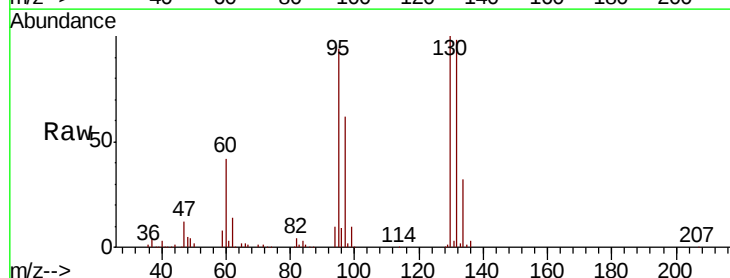
Acq: 20 Feb 2020 10:27

Tgt Ion:130 Resp: 306264

Ion Ratio Lower Upper

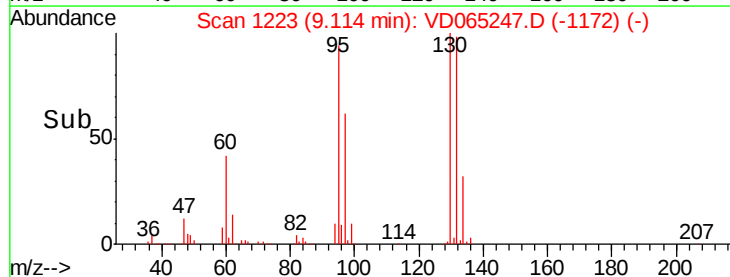
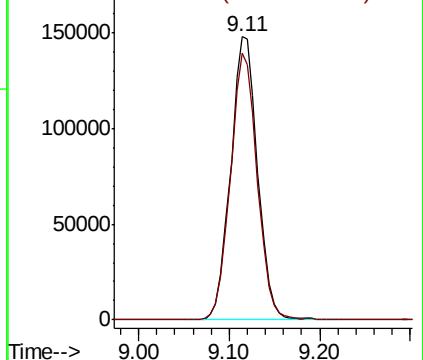
130 100

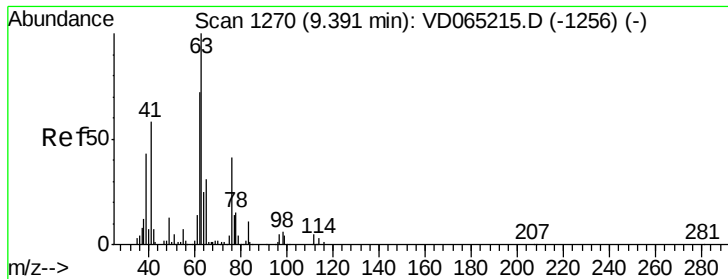
95 94.5 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

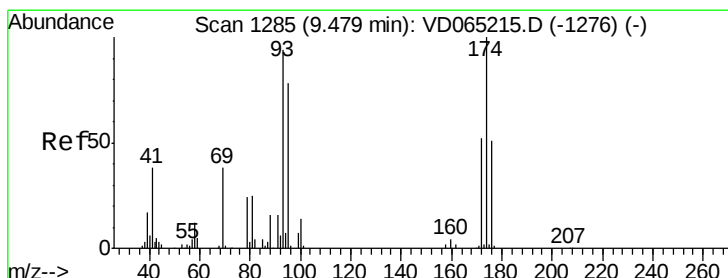
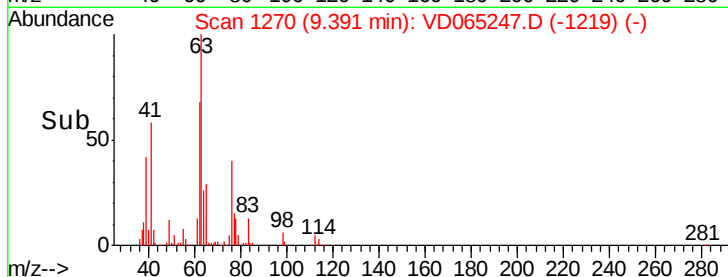
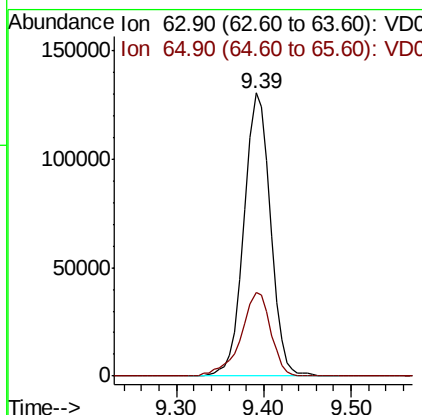
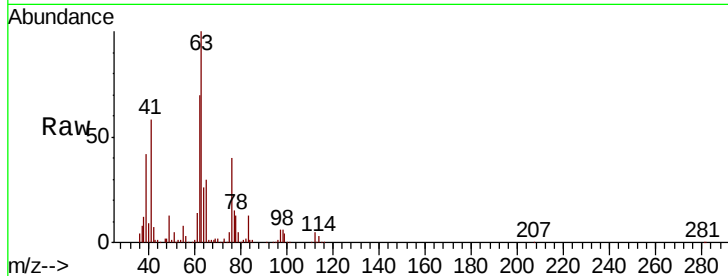




#45
 1,2-Dichloropropane
 Concen: 51.897 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

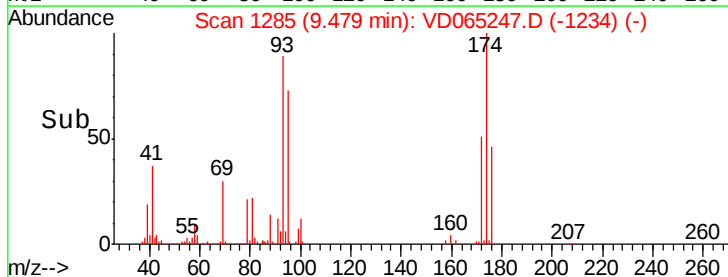
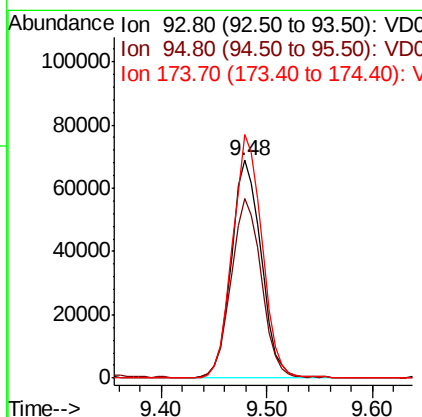
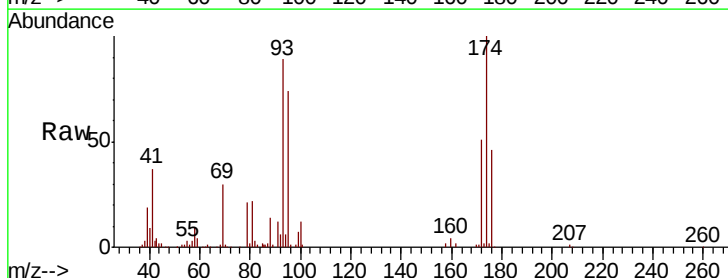
Instrument :
 MSVOA_D
 ClientSampleID :

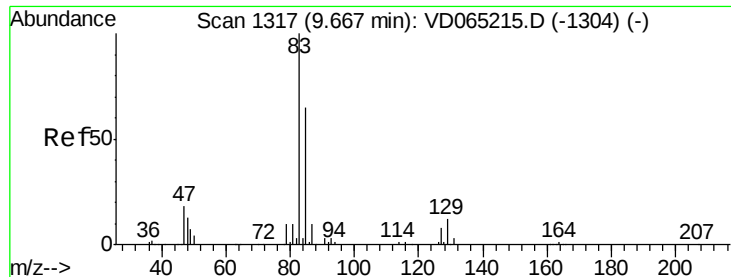
Tot Ion: 63 Resp: 267216
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.9 37.3



#46
 Dibromomethane
 Concen: 50.845 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion: 93 Resp: 134701
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.8 98.6
 174 110.2 86.8 130.2

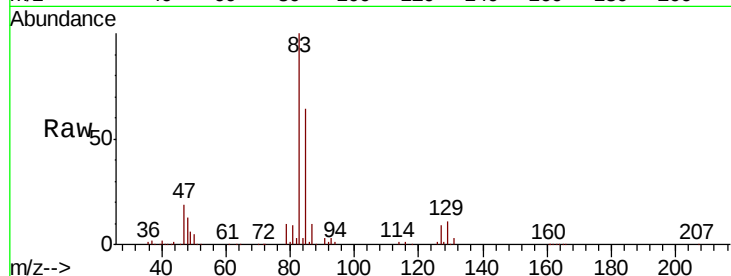




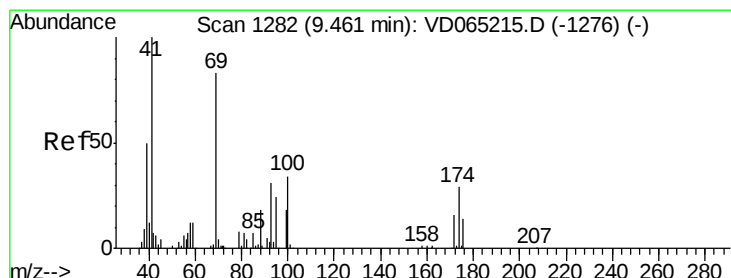
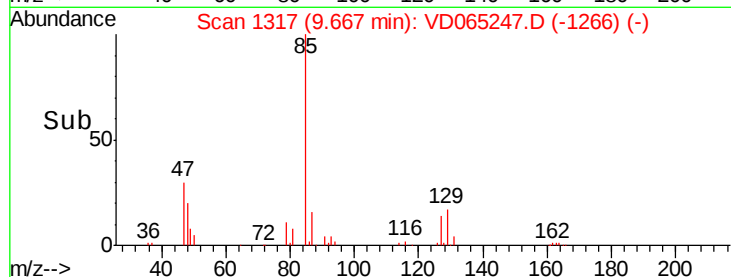
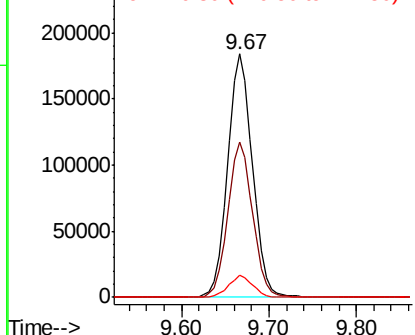
#47
Bromodichloromethane
Concen: 50.967 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 355835
Ion Ratio Lower Upper
83 100
85 63.8 52.0 78.0
127 8.9 6.7 10.1

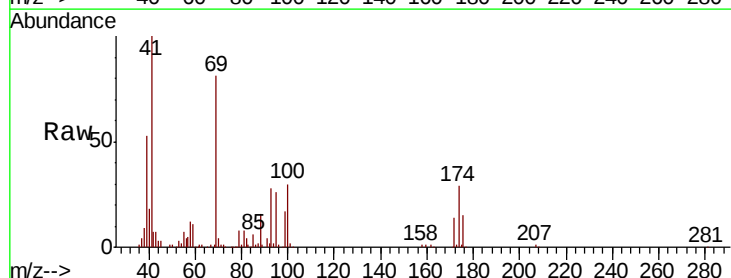


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

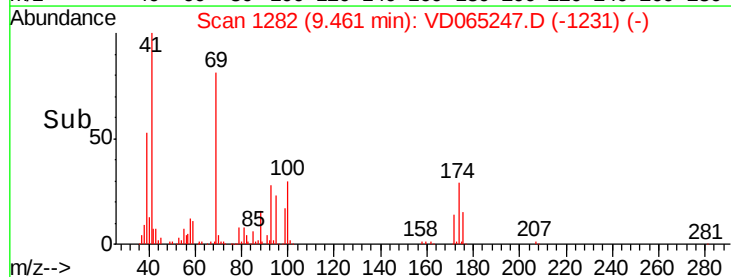
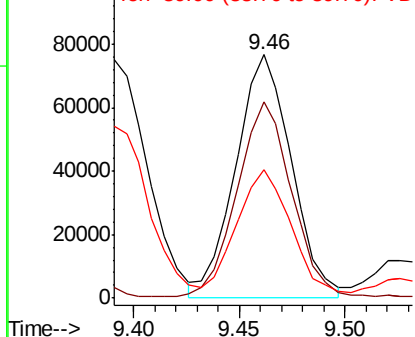


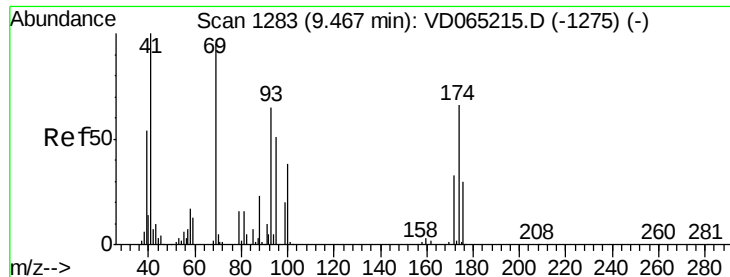
#48
Methyl methacrylate
Concen: 54.311 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 41 Resp: 140005
Ion Ratio Lower Upper
41 100
69 79.6 68.2 102.2
39 47.2 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

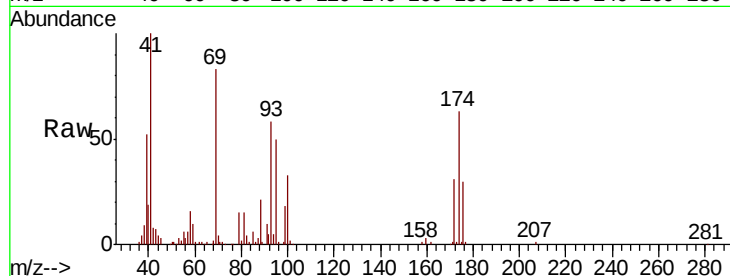




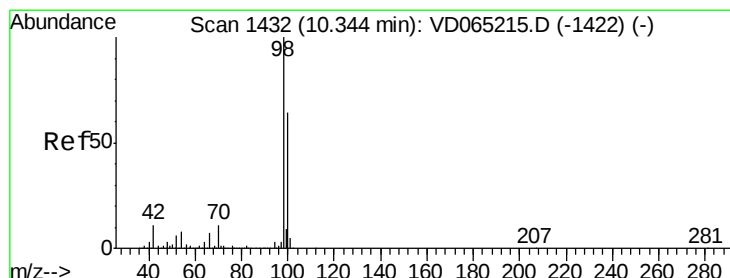
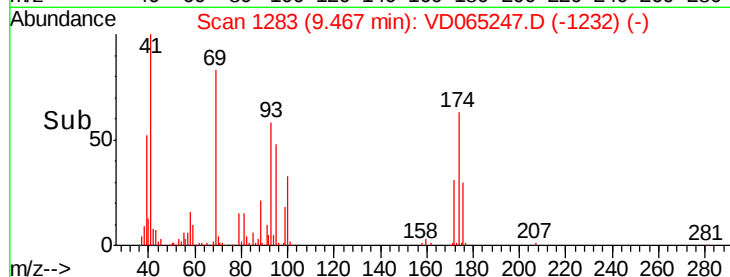
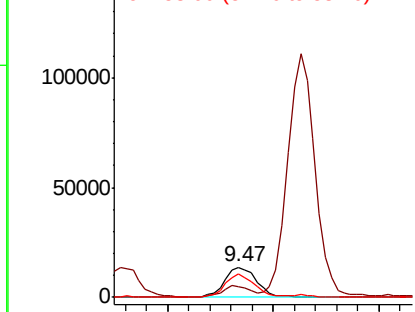
#49
1,4-Dioxane
Concen: 940.629 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 29227
Ion Ratio Lower Upper
88 100
43 30.4 28.5 42.7
58 69.7 58.6 87.8

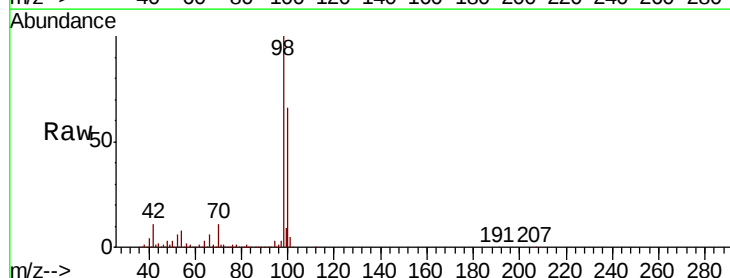


Abundance Ion 88.00 (87.70 to 88.70): VDC
150000
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

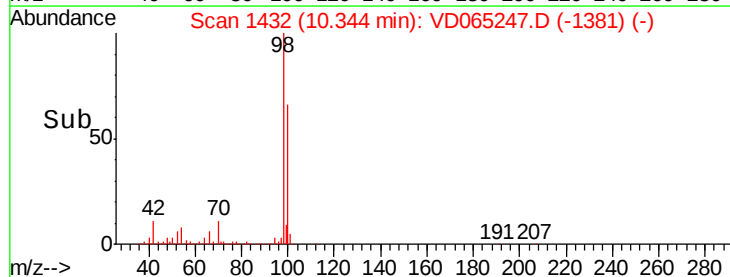
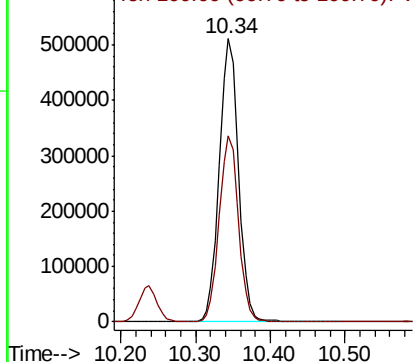


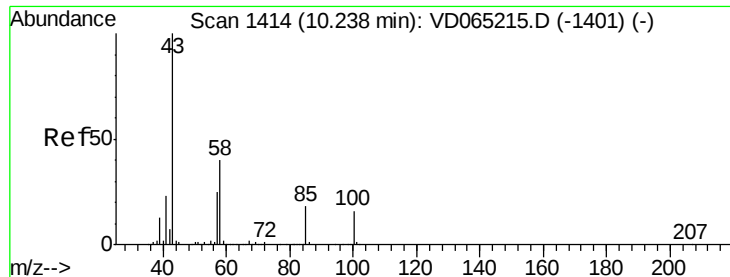
#50
Toluene-d8
Concen: 52.271 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 98 Resp: 918654
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
600000
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 238.811 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

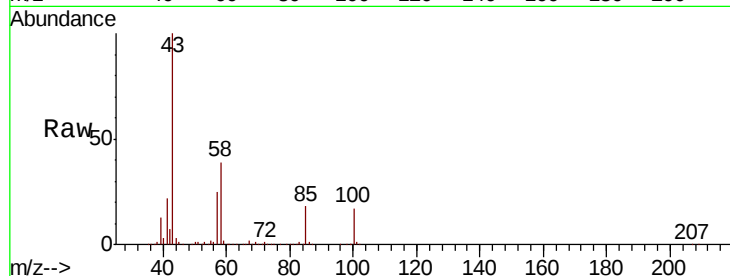
ClientSampleId :

Tot Ion: 43 Resp: 676463

Ion Ratio Lower Upper

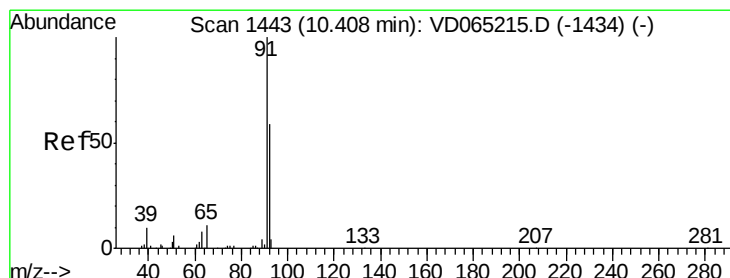
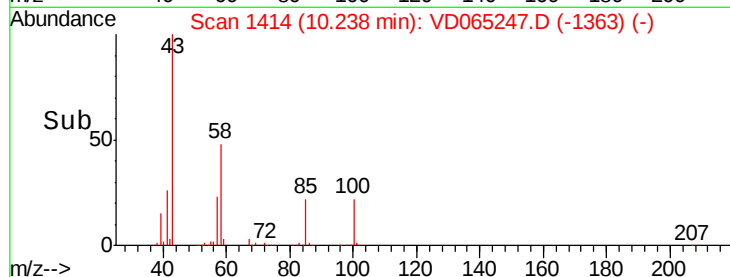
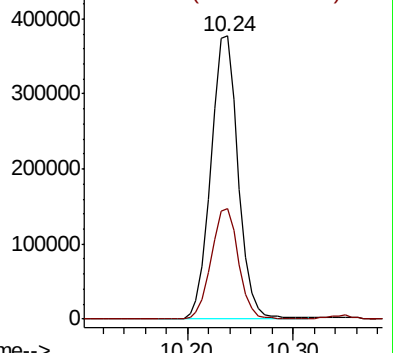
43 100

58 39.1 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: 55.051 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065247.D

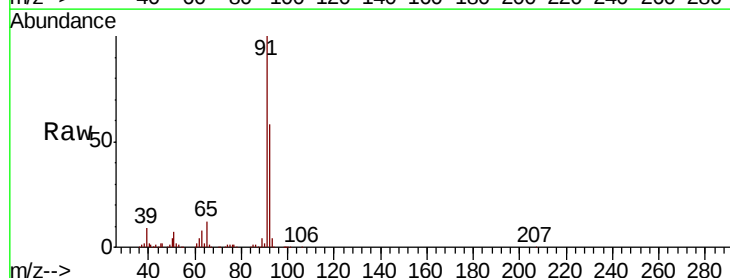
Acq: 20 Feb 2020 10:27

Tgt Ion: 92 Resp: 705598

Ion Ratio Lower Upper

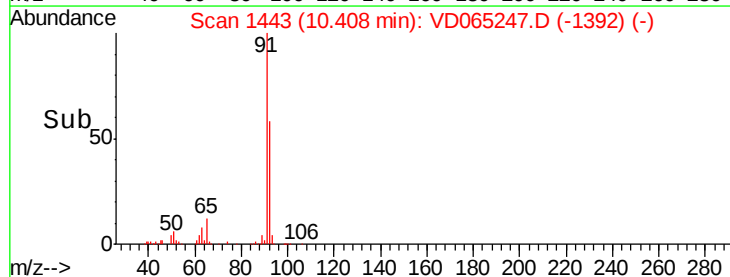
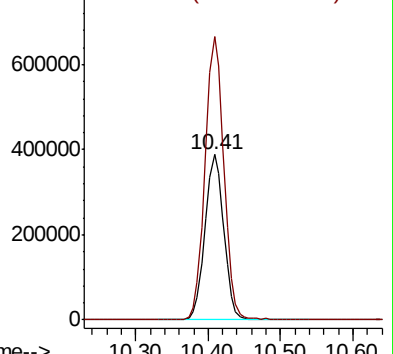
92 100

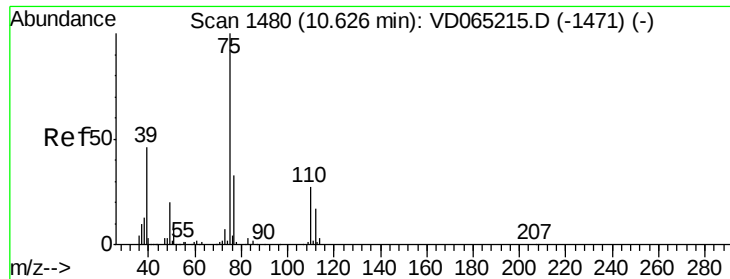
91 170.5 136.3 204.5



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: 51.401 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

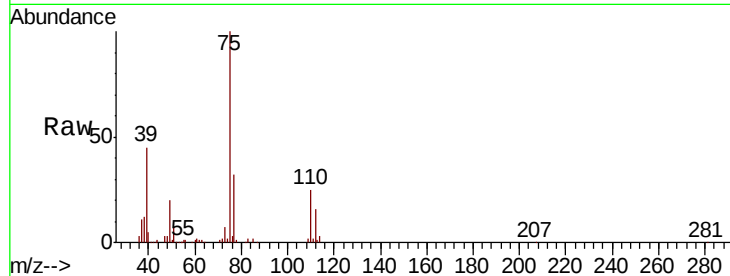
ClientSampleId :

Tot Ion: 75 Resp: 332639

Ion Ratio Lower Upper

75 100

77 32.4 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

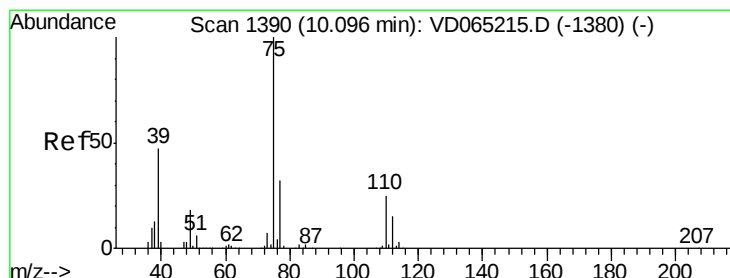
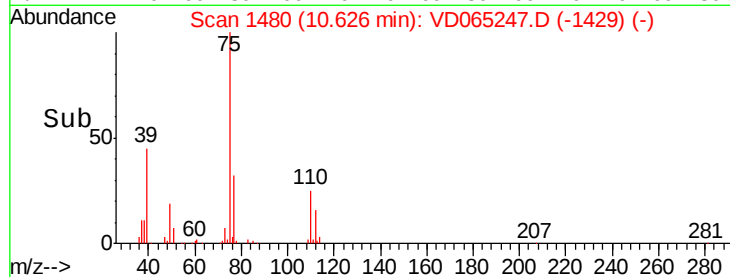
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.470 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

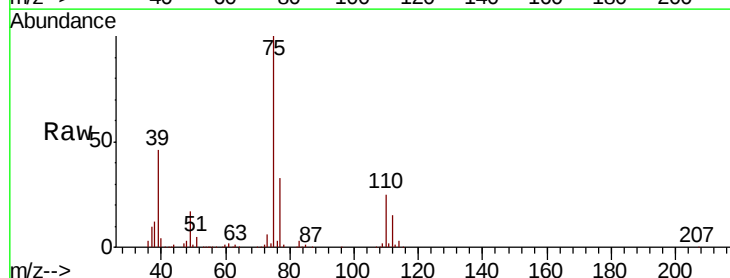
Tgt Ion: 75 Resp: 410028

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

39 45.9 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

300000

250000

200000

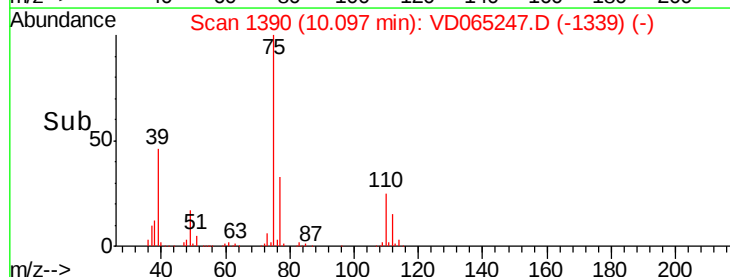
150000

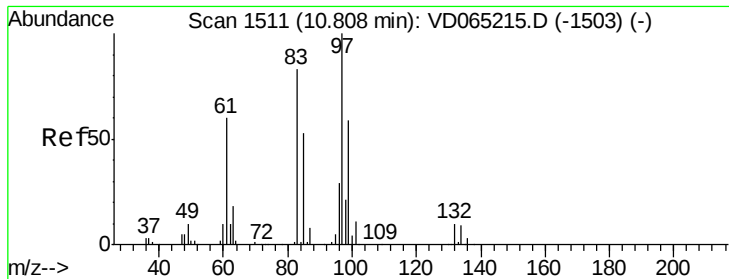
100000

50000

0

Time-->

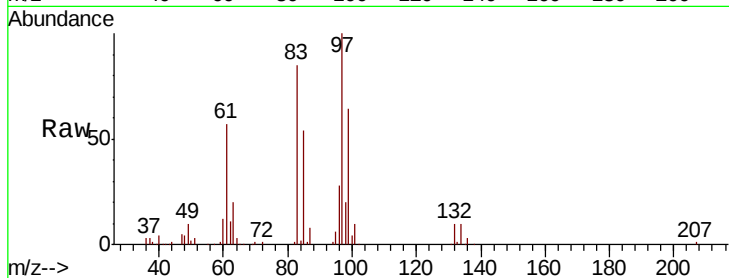




#55
 1,1,2-Trichloroethane
 Concen: 49.224 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	183548
Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.7	100.1
85	54.3	42.4	63.6
99	63.7	47.5	71.3



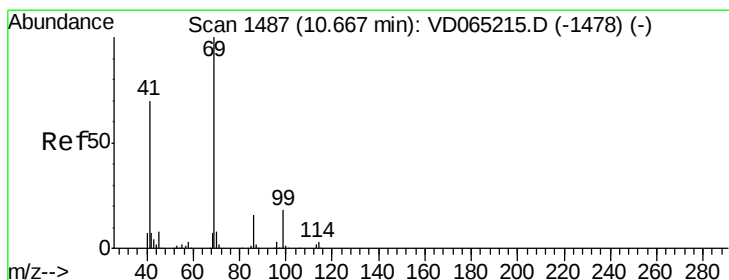
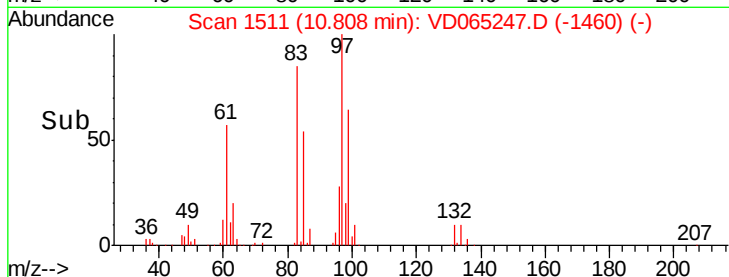
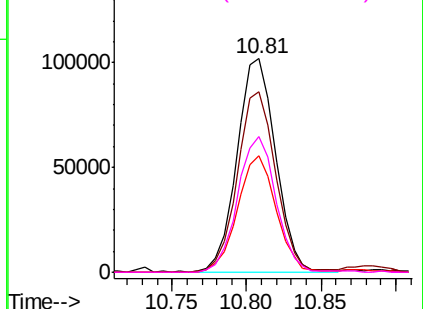
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

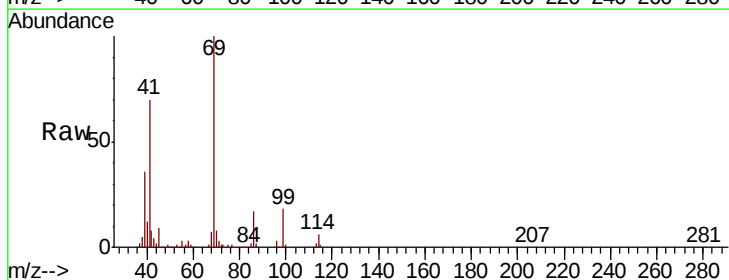
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 50.598 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion:	69	Resp:	217768
Ion	Ratio	Lower	Upper
69	100		
41	70.1	54.6	81.8
39	33.6	26.5	39.7

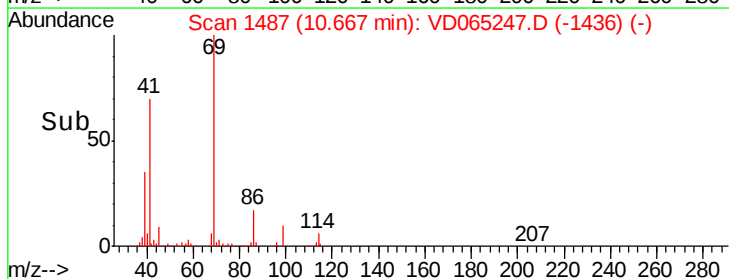
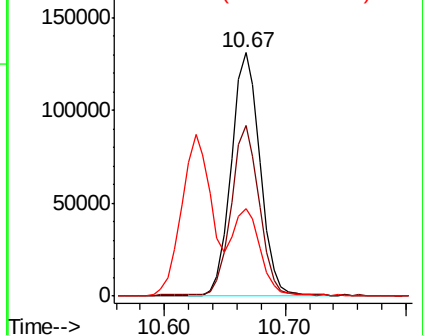


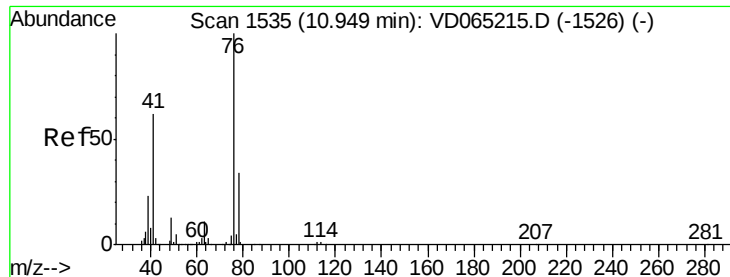
Abundance

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: 50.124 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

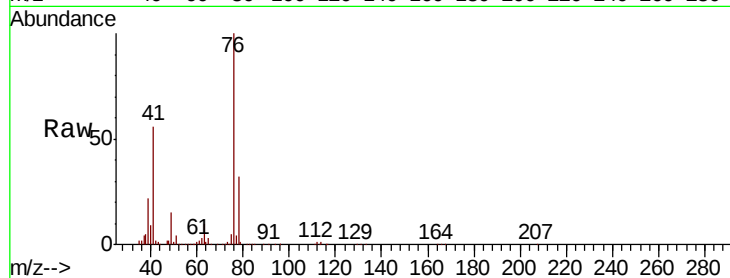
ClientSampleId :

Tot Ion: 76 Resp: 318109

Ion Ratio Lower Upper

76 100

78 32.8 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.96

200000

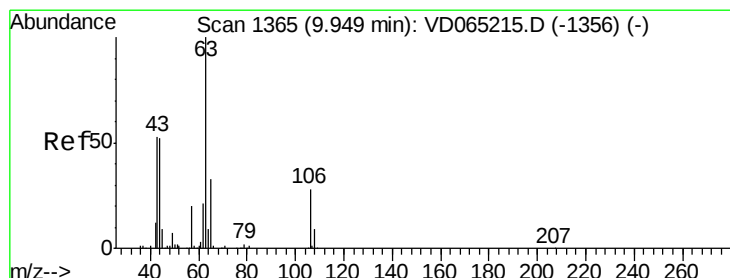
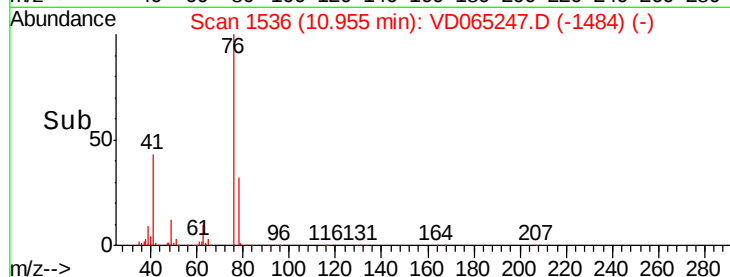
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 218.076 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065247.D

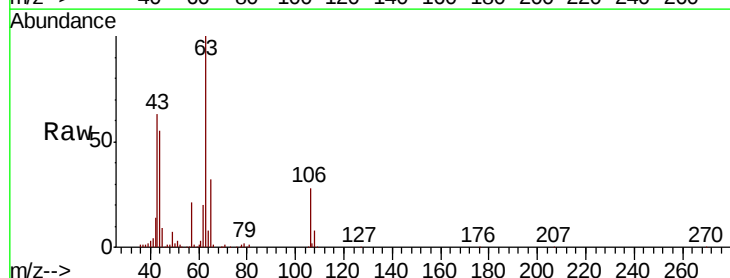
Acq: 20 Feb 2020 10:27

Tgt Ion: 63 Resp: 295907

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

200000

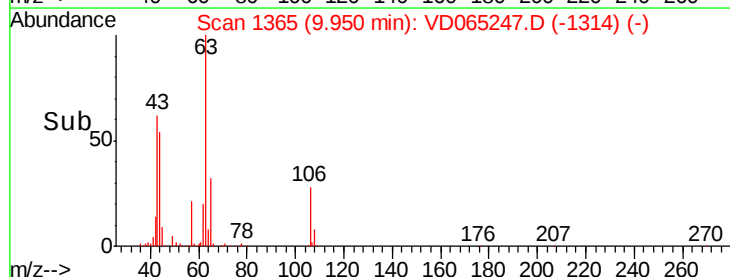
150000

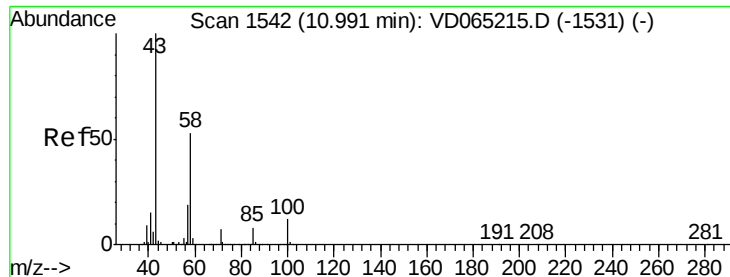
100000

50000

0

Time-->

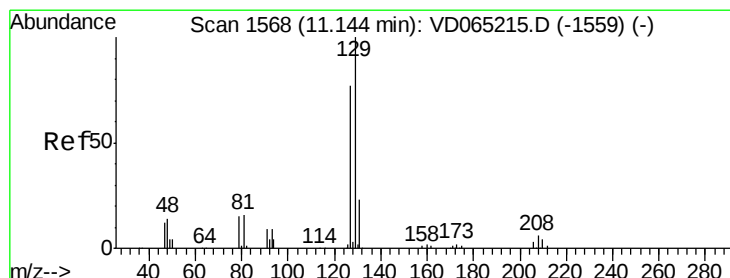
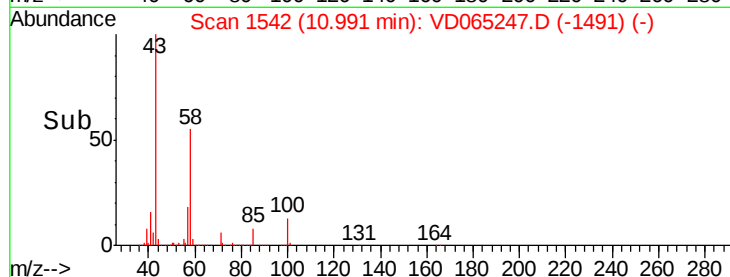
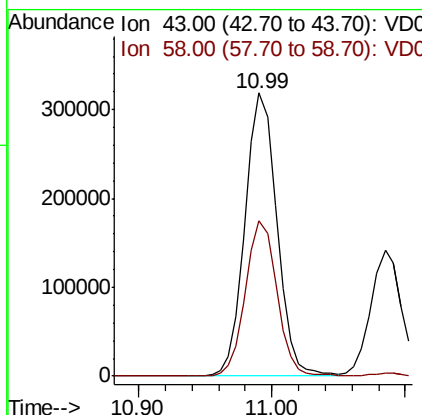
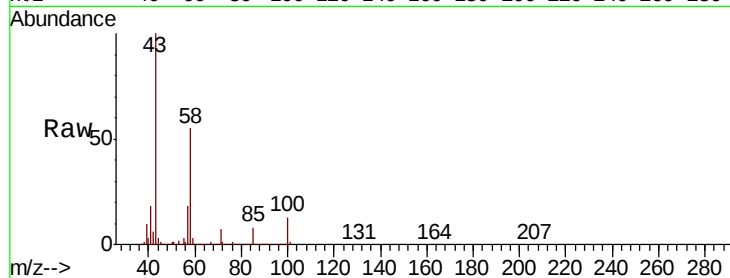




#59
2-Hexanone
Concen: 259.835 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

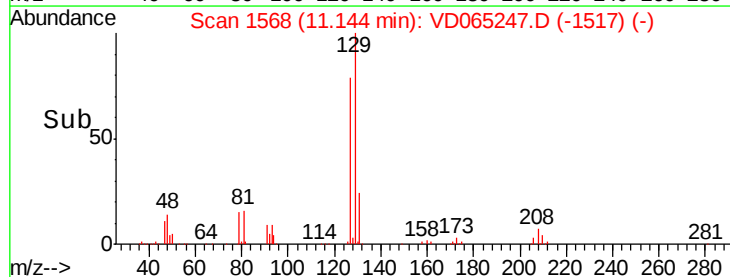
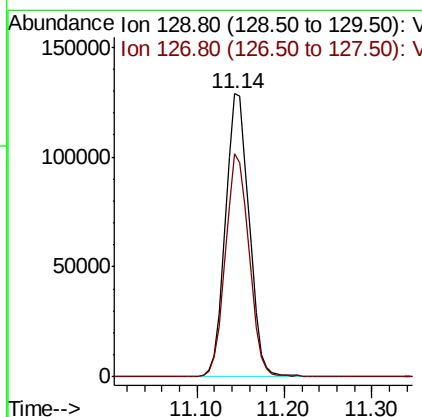
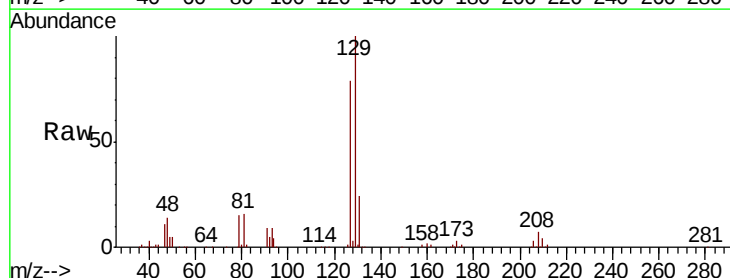
Instrument :
MSVOA_D
ClientSampleId :

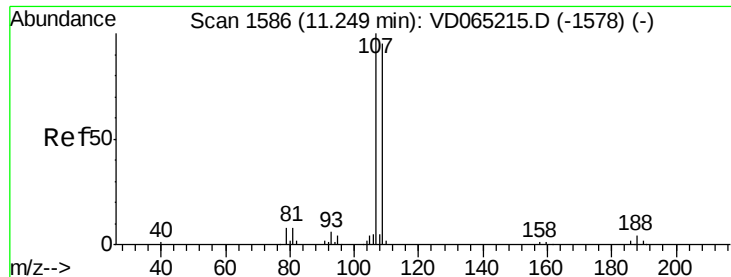
Tot Ion: 43 Resp: 526869
Ion Ratio Lower Upper
43 100
58 54.1 26.3 78.8



#60
Dibromochloromethane
Concen: 49.681 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 129 Resp: 237108
Ion Ratio Lower Upper
129 100
127 78.4 38.7 116.1

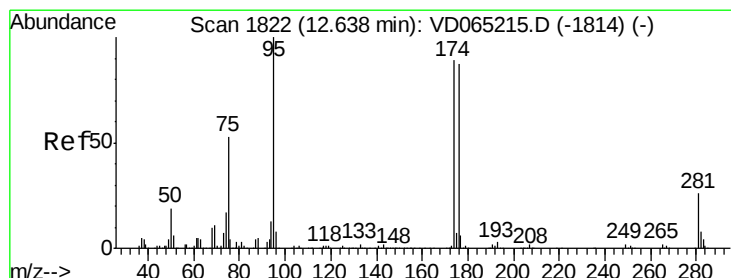
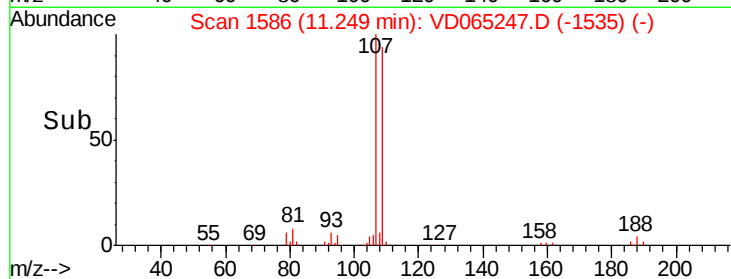
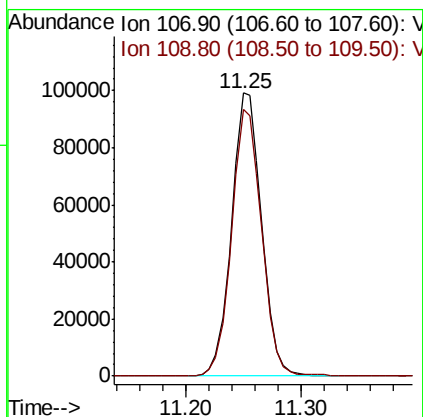
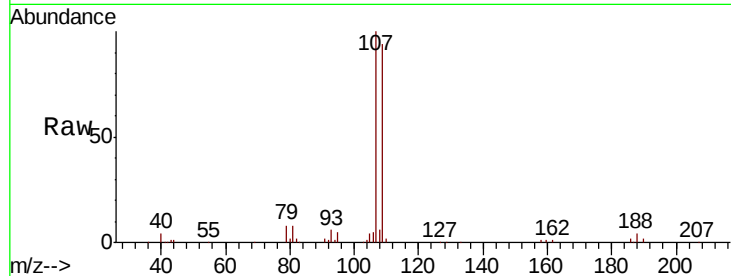




#61
 1,2-Dibromoethane
 Concen: 50.414 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

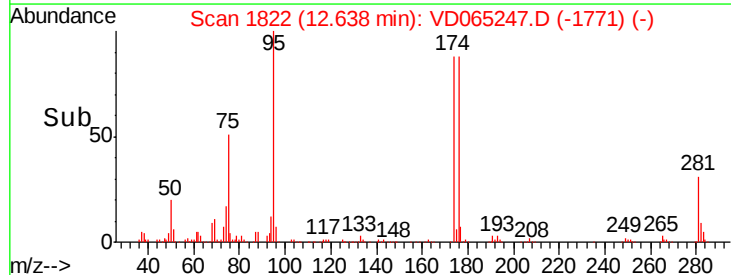
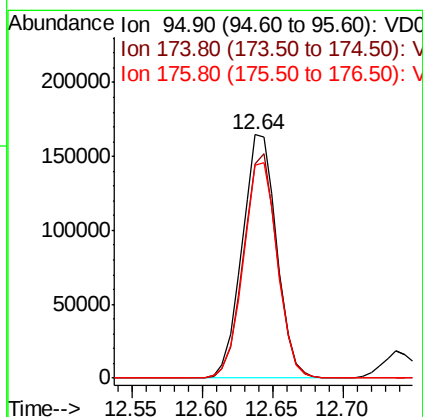
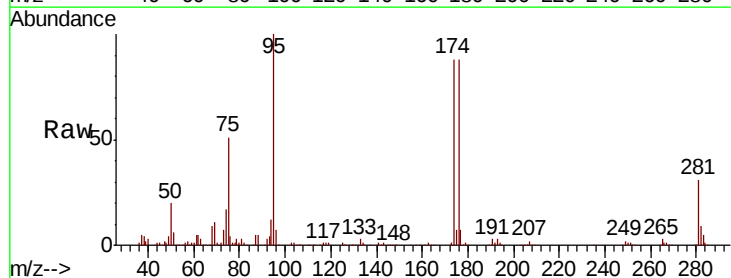
Instrument :
 MSVOA_D
 ClientSampleId :

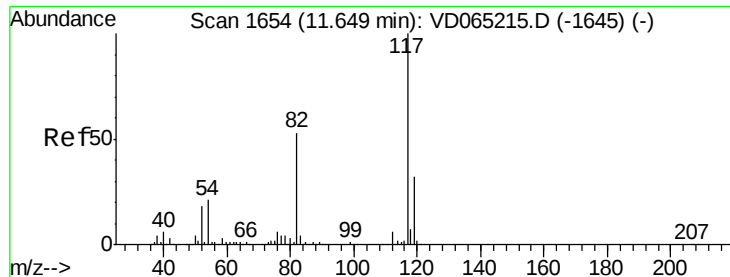
Tot Ion:107 Resp: 177987
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 50.682 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion: 95 Resp: 282177
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.0
 176 87.6 0.0 174.4

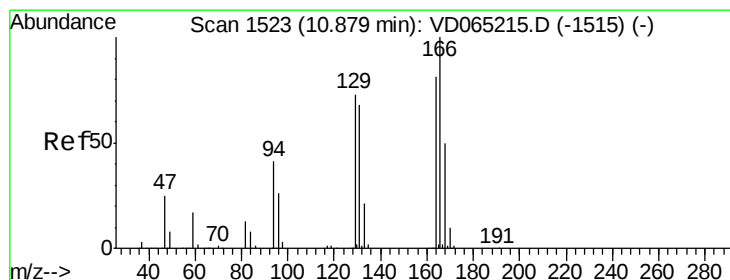
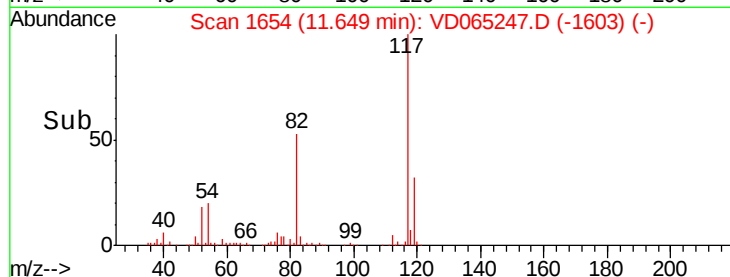
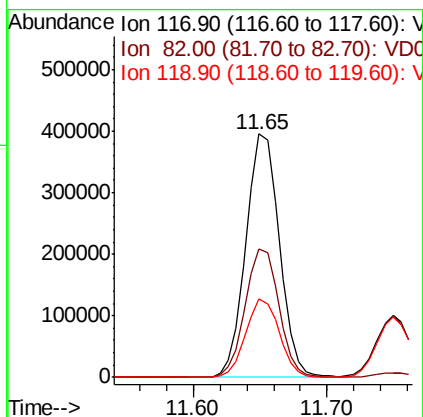
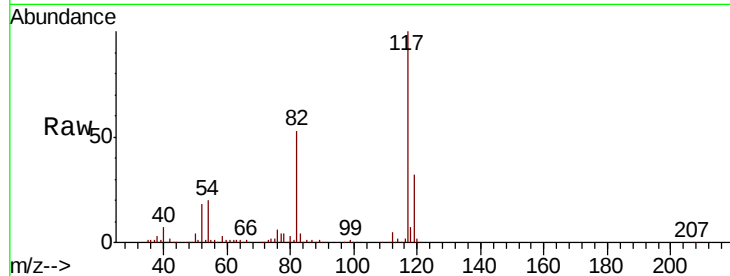




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

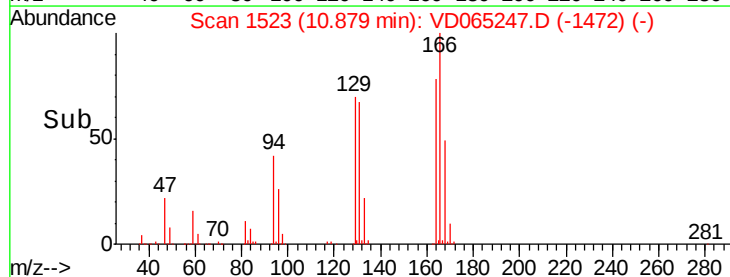
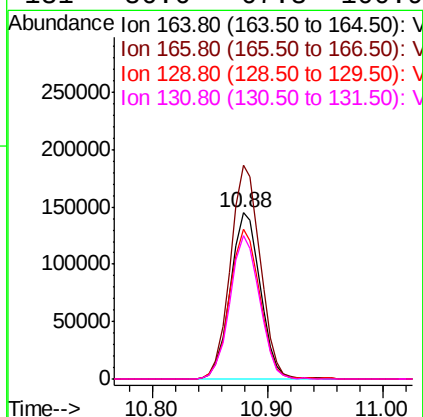
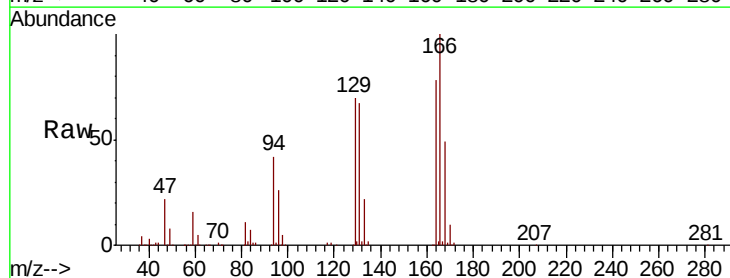
Instrument :
MSVOA_D
ClientSampleId :

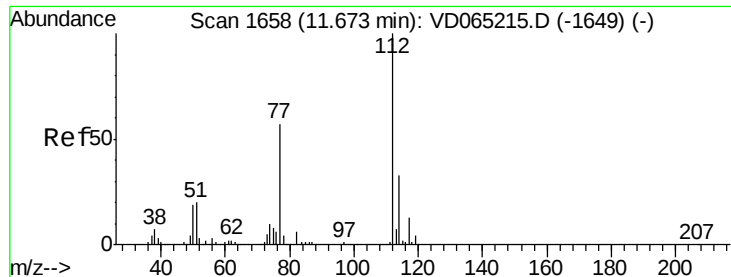
Tot Ion:117 Resp: 686930
Ion Ratio Lower Upper
117 100
82 52.7 42.7 64.1
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 53.564 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion:164 Resp: 260961
Ion Ratio Lower Upper
164 100
166 128.6 98.4 147.6
129 90.2 71.6 107.4
131 86.6 67.3 100.9

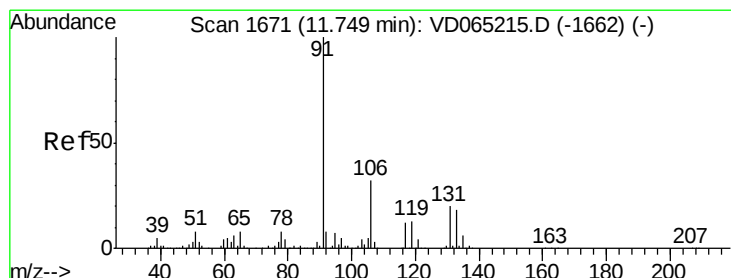
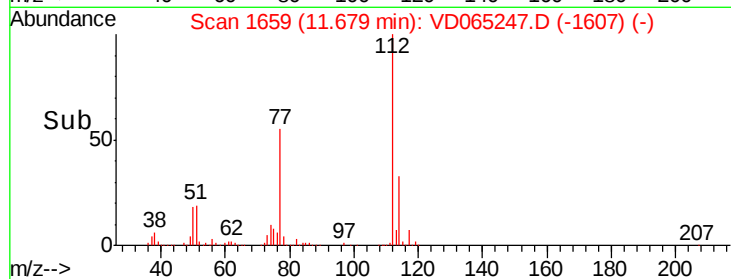
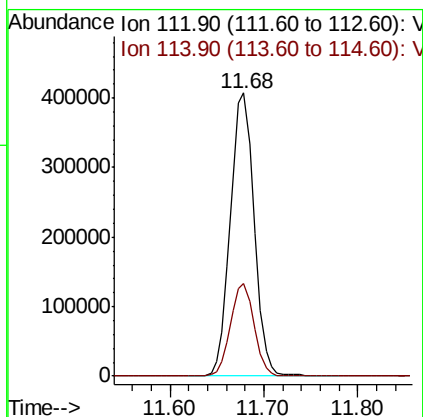
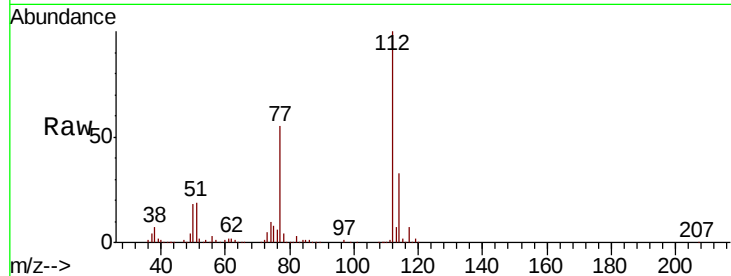




#65
Chlorobenzene
Concen: 52.083 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

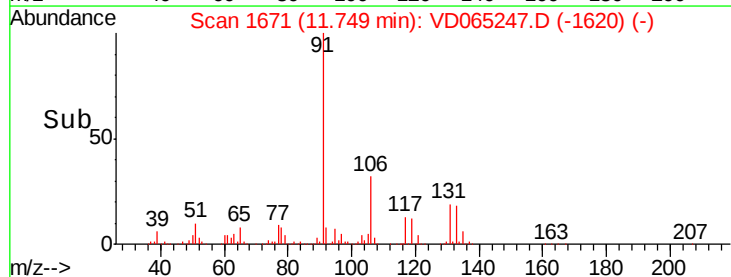
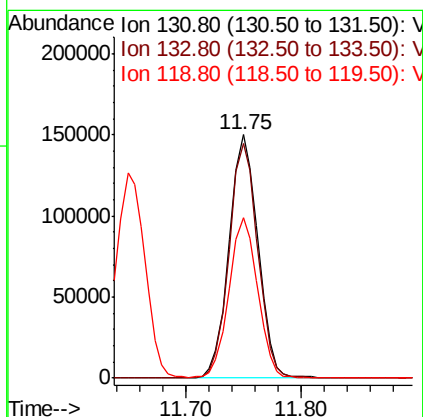
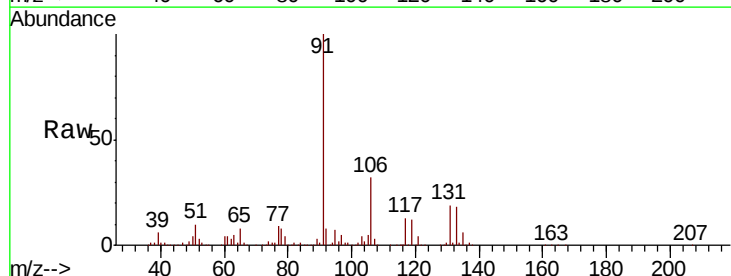
Instrument :
MSVOA_D
ClientSampled :

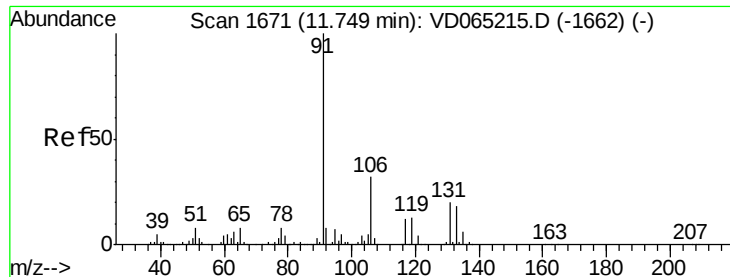
Tot Ion:112 Resp: 717960
Ion Ratio Lower Upper
112 100
114 32.8 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.581 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion:131 Resp: 260198
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 65.8 32.7 98.1





#67

Ethyl Benzene

Concen: 53.816 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

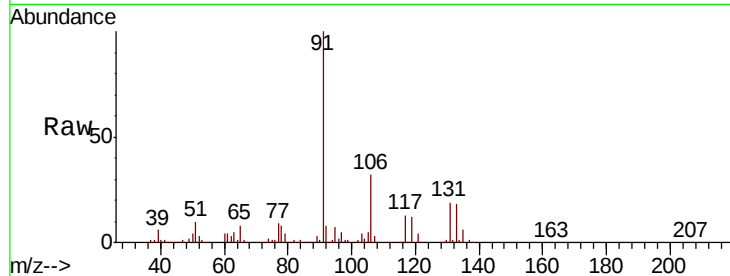
ClientSampled :

Tot Ion: 91 Resp: 1299275

Ion Ratio Lower Upper

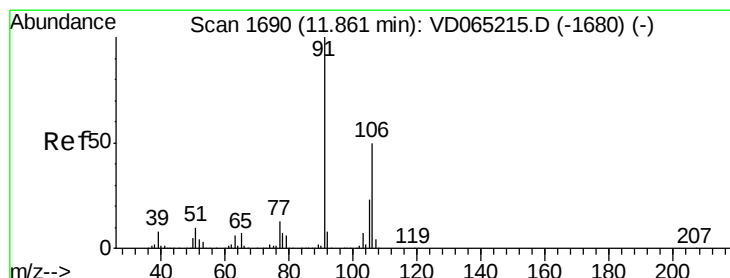
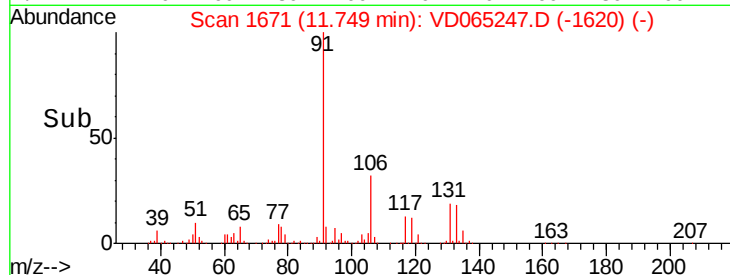
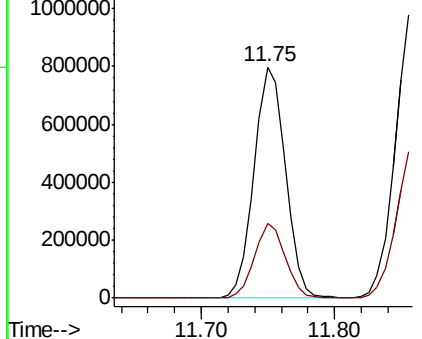
91 100

106 32.0 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: 109.275 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065247.D

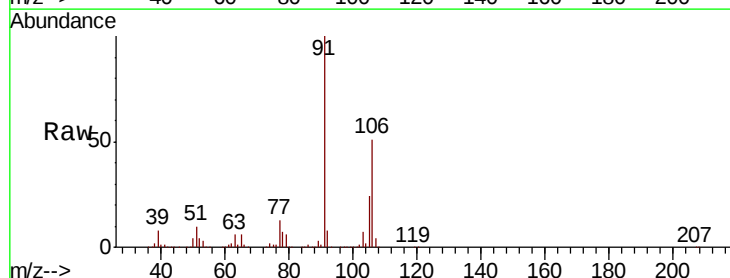
Acq: 20 Feb 2020 10:27

Tgt Ion:106 Resp: 1009357

Ion Ratio Lower Upper

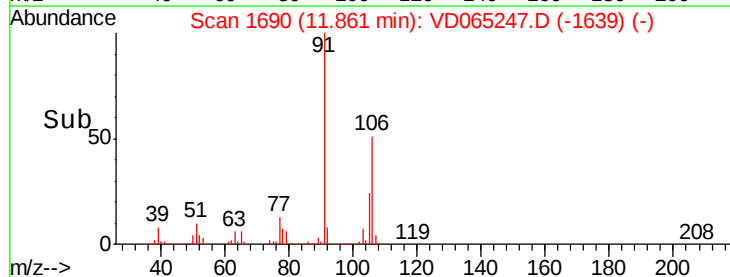
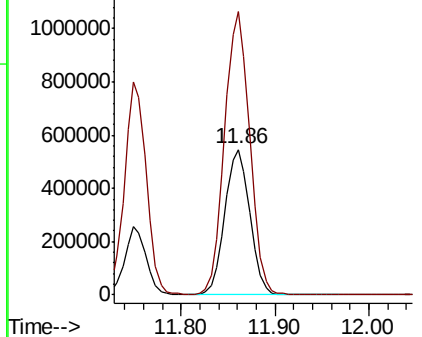
106 100

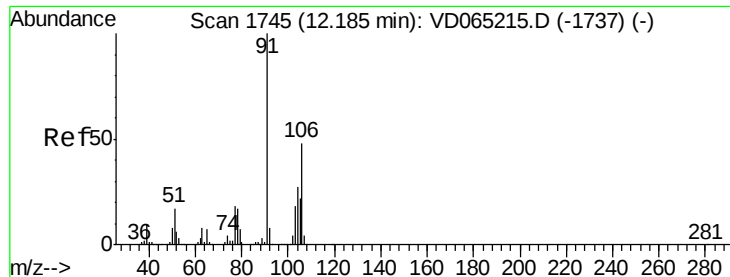
91 196.3 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

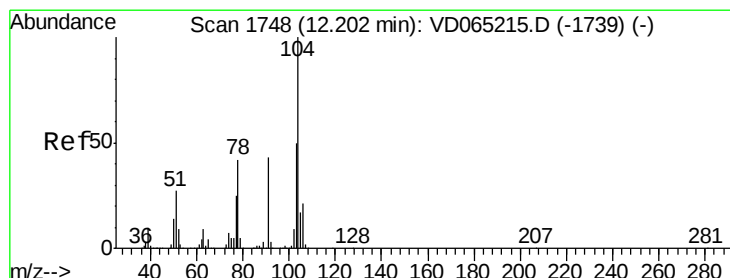
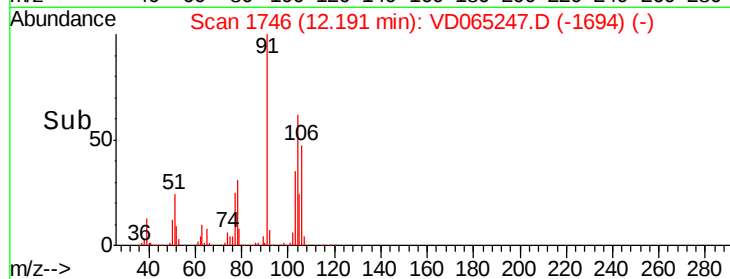
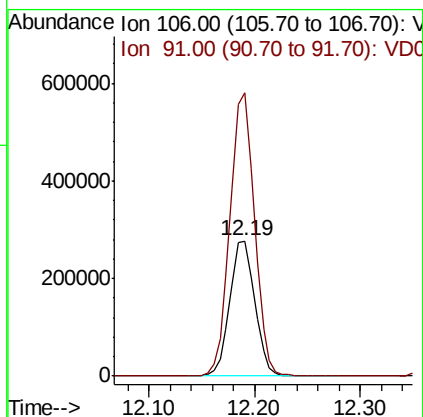
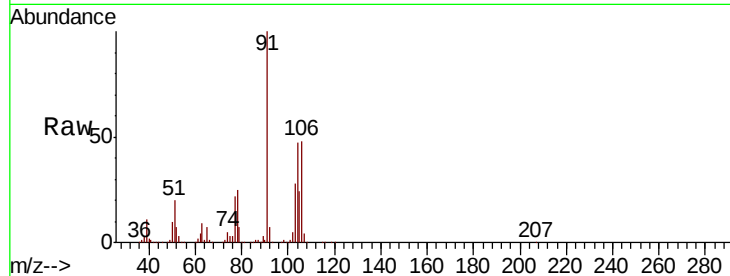




#69
o-Xylene
Concen: 55.381 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

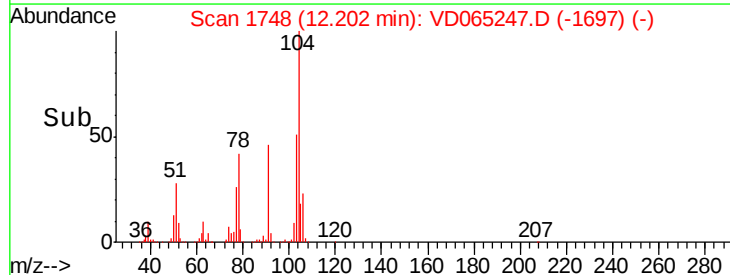
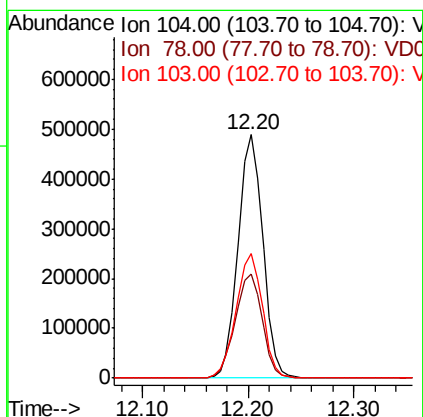
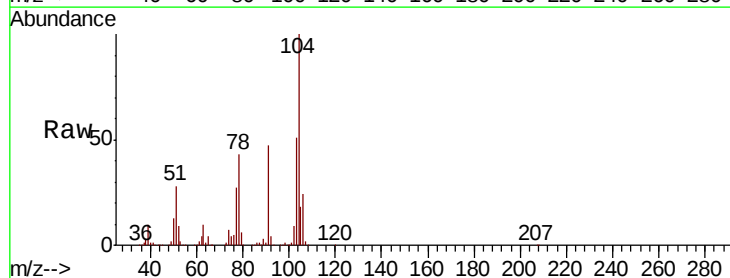
Instrument :
MSVOA_D
ClientSampled :

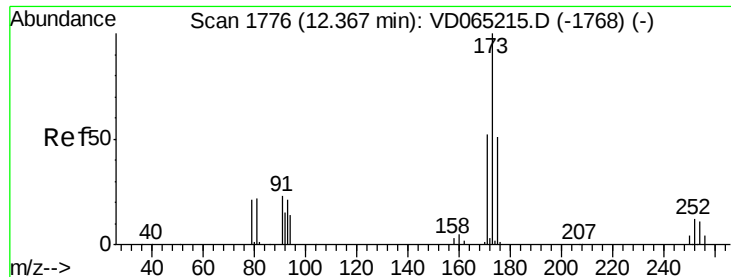
Tot Ion:106 Resp: 453209
Ion Ratio Lower Upper
106 100
91 205.6 104.7 313.9



#70
Styrene
Concen: 54.624 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion:104 Resp: 793643
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 54.4 43.4 65.2





#71

Bromoform

Concen: 48.076 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampled :

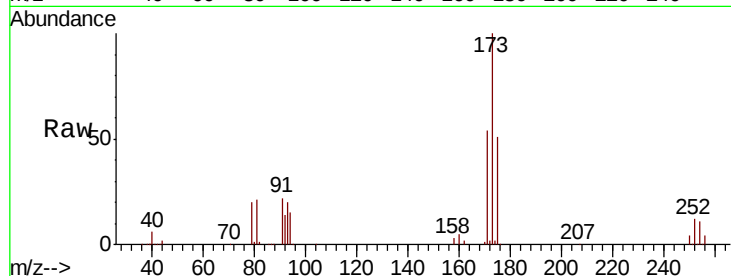
Tot Ion:173 Resp: 137234

Ion Ratio Lower Upper

173 100

175 50.3 24.4 73.4

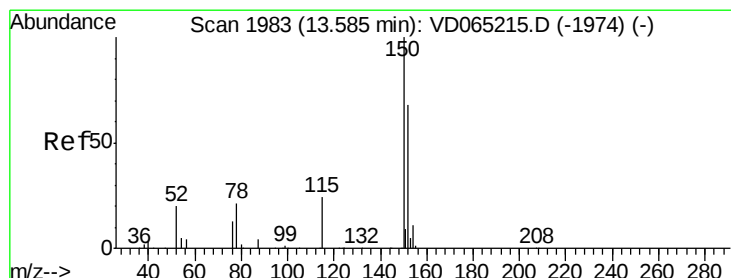
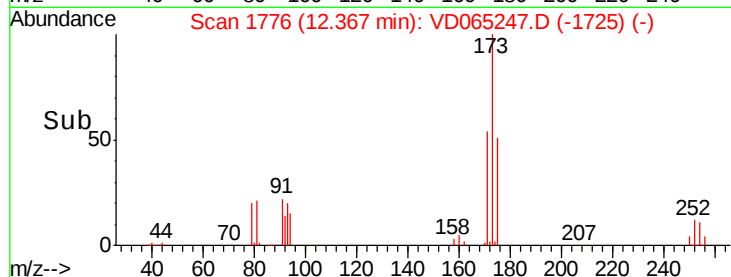
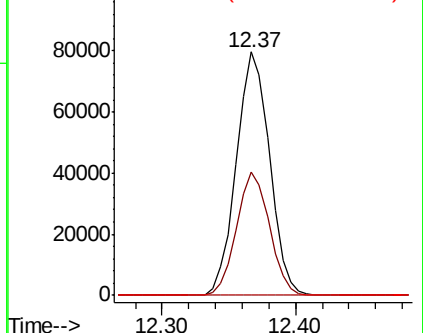
254 0.1 0.0 0.0#



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: VD065247.D

Acq: 20 Feb 2020 10:27

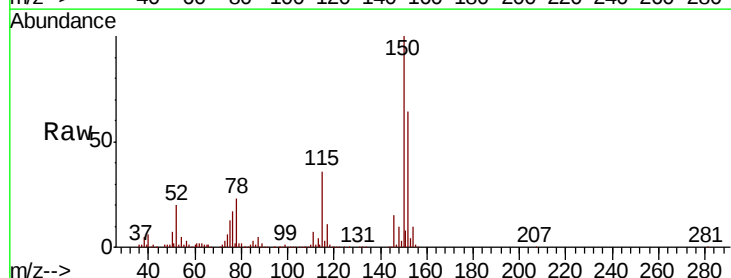
Tgt Ion:152 Resp: 332564

Ion Ratio Lower Upper

152 100

115 55.2 27.6 82.8

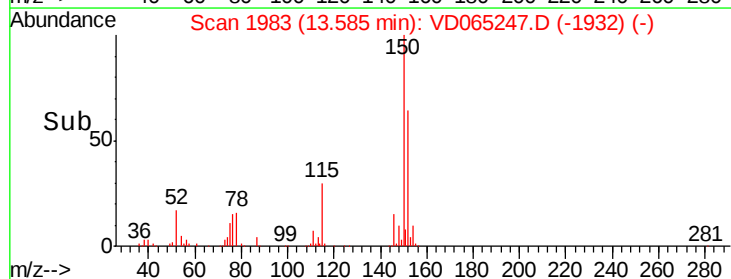
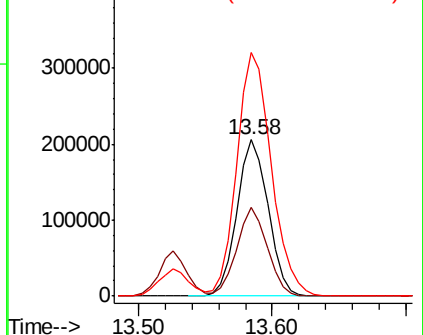
150 172.5 0.0 347.4

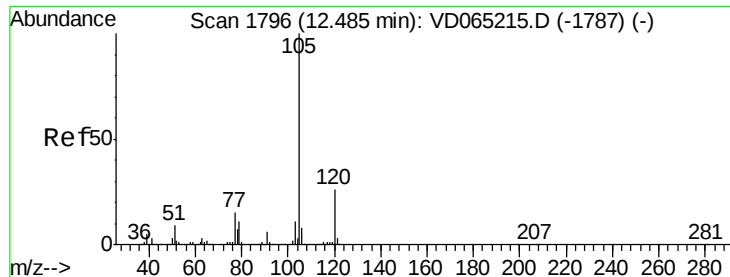


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.167 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

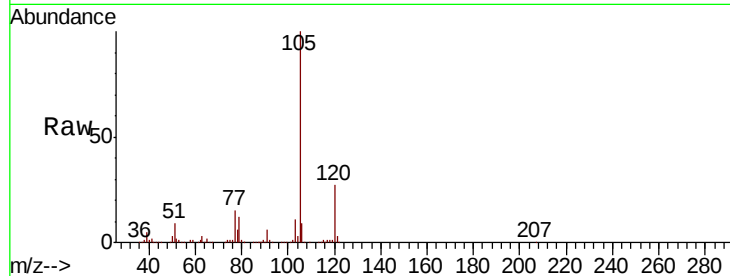
ClientSampleId :

Tot Ion:105 Resp: 1236653

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

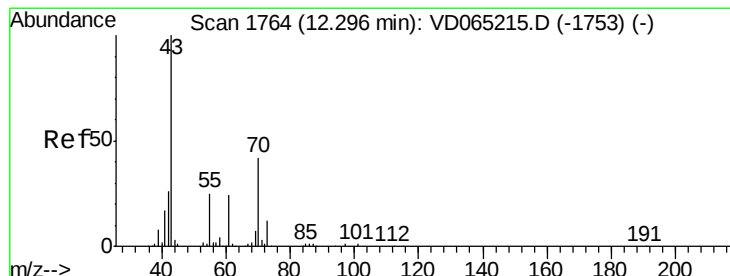
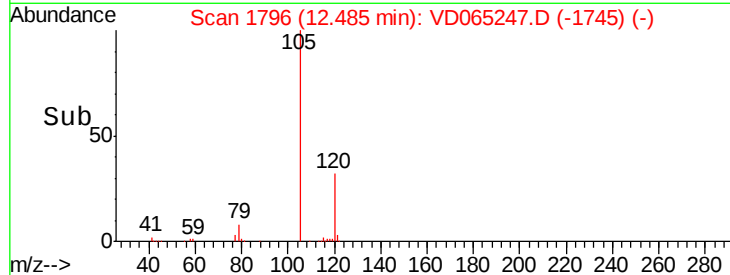
400000

200000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 47.858 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Tgt Ion: 43 Resp: 234140

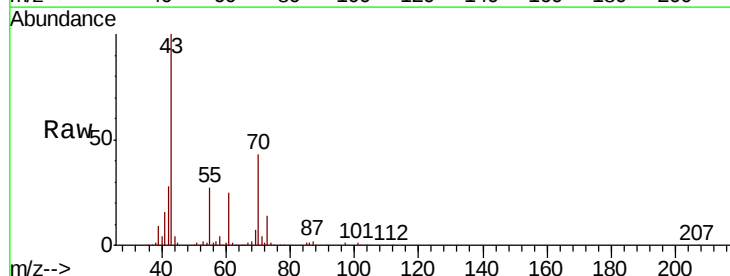
Ion Ratio Lower Upper

43 100

70 43.9 33.7 50.5

55 27.1 20.7 31.1

61 23.7 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

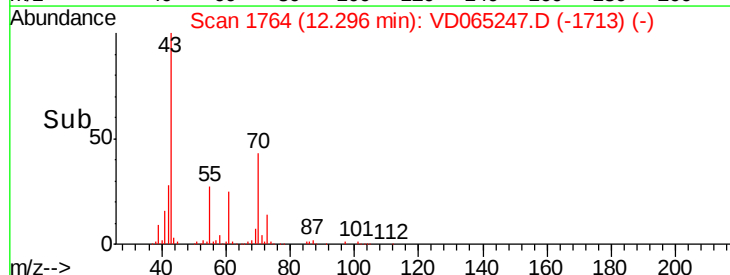
100000

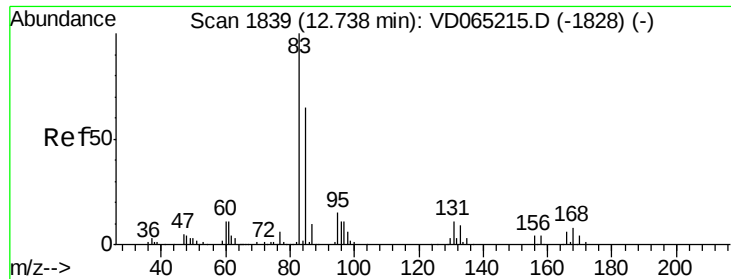
50000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.632 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

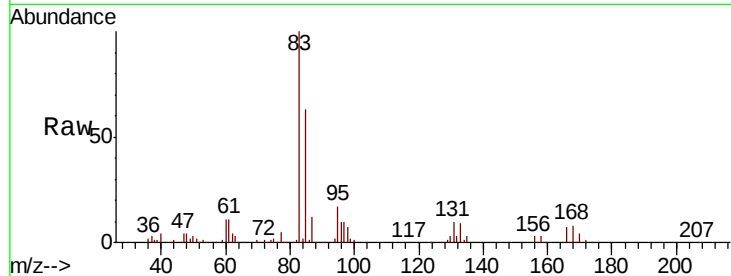
Tot Ion: 83 Resp: 189274

Ion Ratio Lower Upper

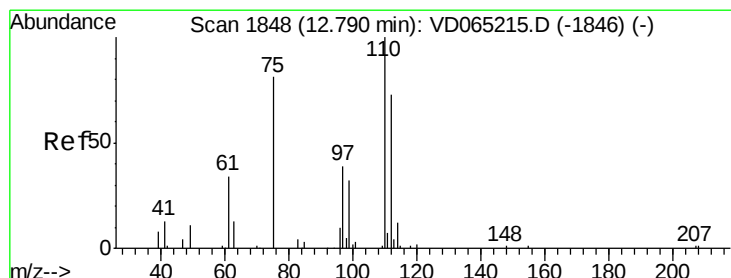
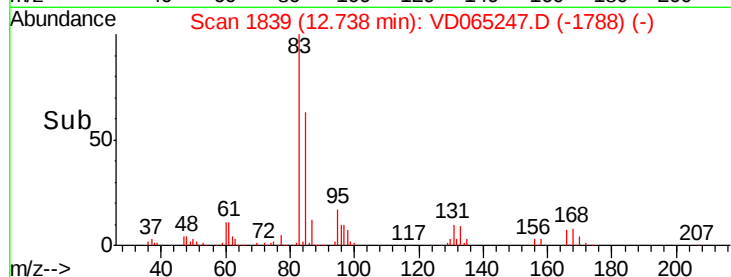
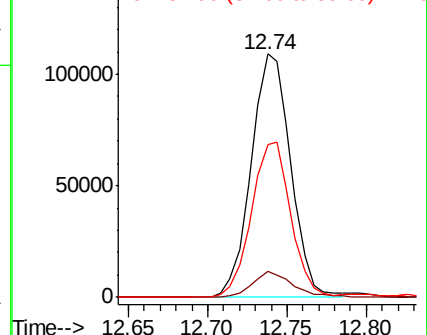
83 100

131 10.5 5.4 16.2

85 63.2 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: 87.983 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065247.D

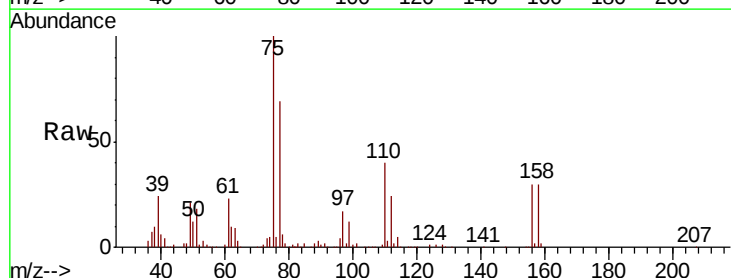
Acq: 20 Feb 2020 10:27

Tgt Ion: 75 Resp: 248953

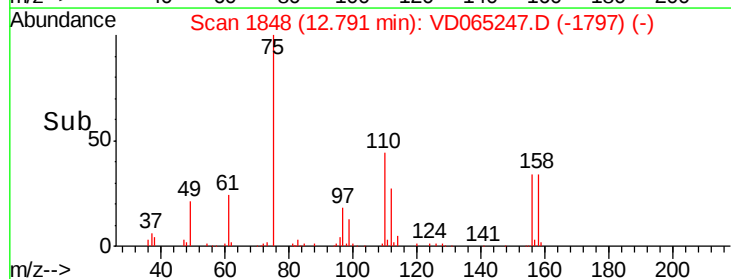
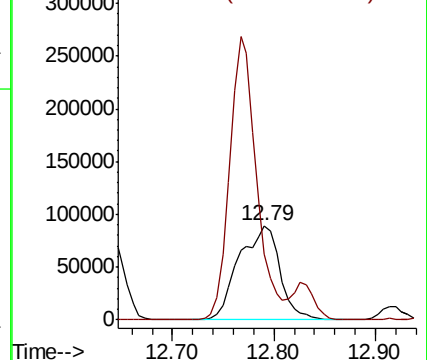
Ion Ratio Lower Upper

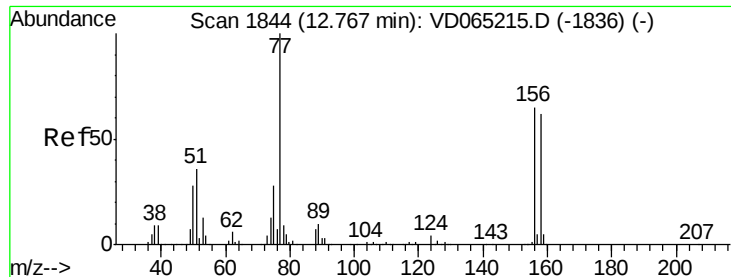
75 100

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: 52.312 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

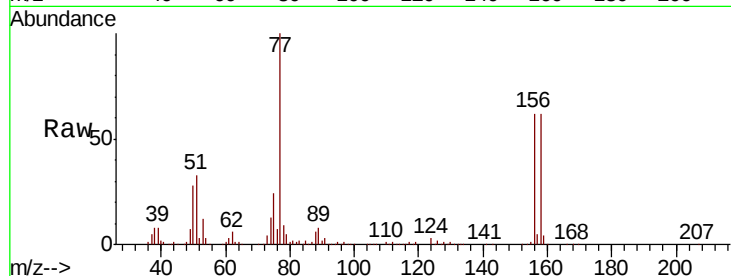
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:156 Resp: 286007

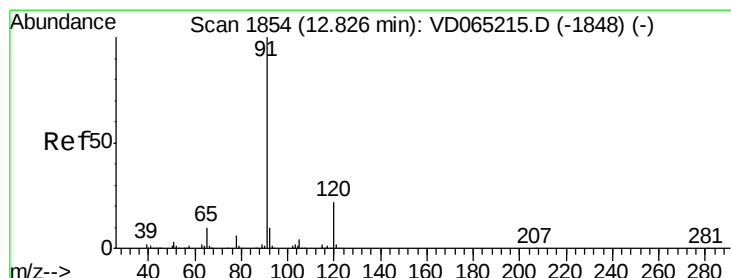
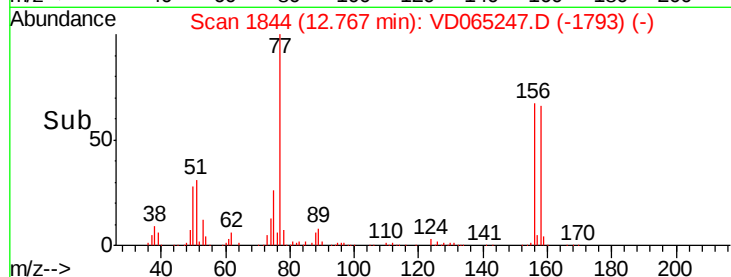
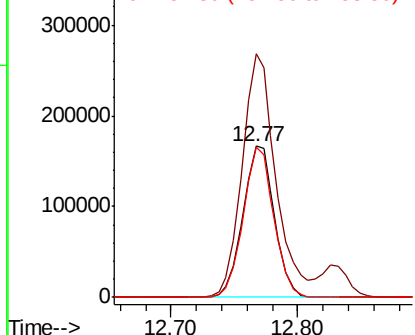
Ion	Ratio	Lower	Upper
156	100		
77	171.7	86.6	259.7
158	96.5	48.1	144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.540 ug/l

RT: 12.83 min Scan# 1854

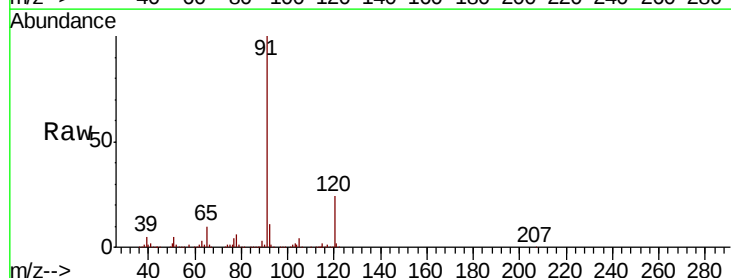
Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

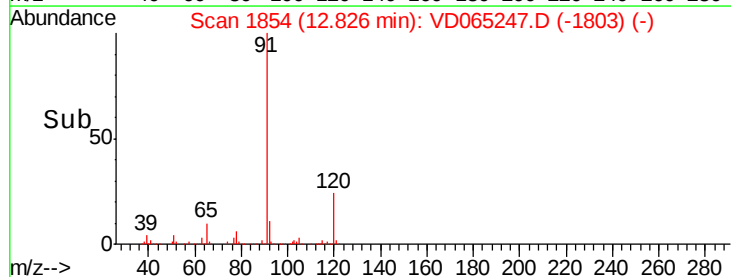
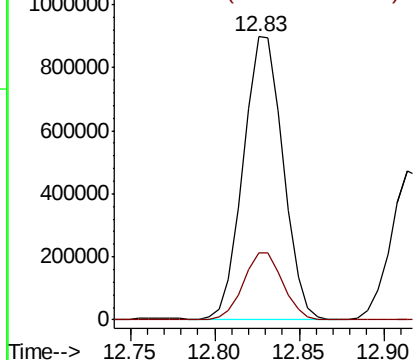
Tgt Ion: 91 Resp: 1469507

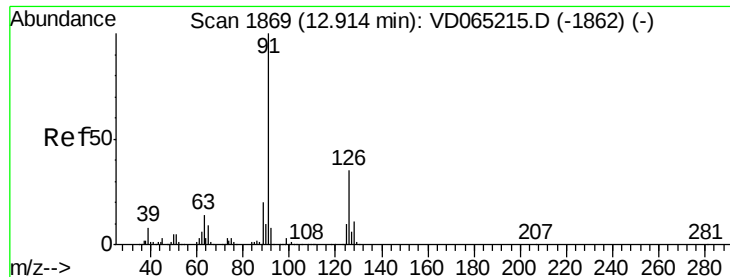
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.137 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

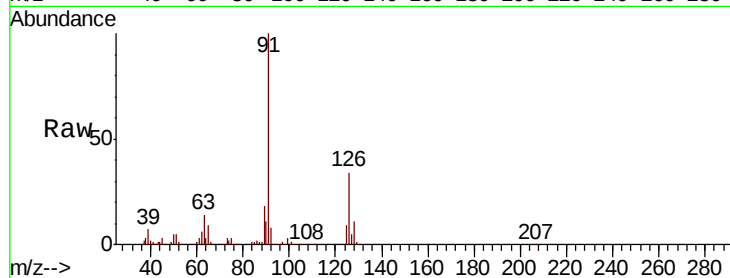
ClientSampleId :

Tot Ion: 91 Resp: 802440

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065247.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065247.D (-1862) (-)

600000

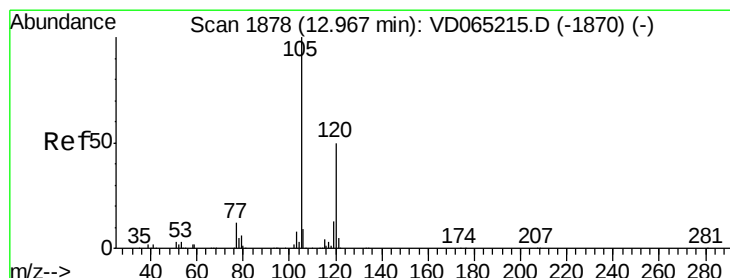
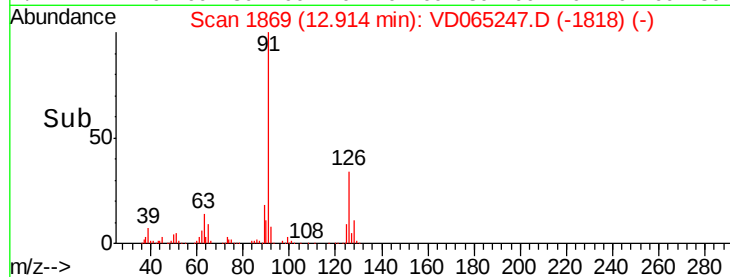
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.705 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065247.D

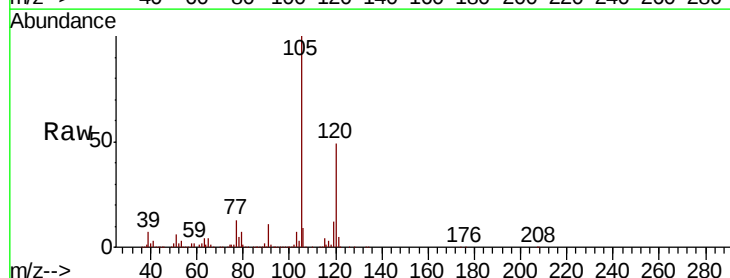
Acq: 20 Feb 2020 10:27

Tgt Ion:105 Resp: 1010161

Ion Ratio Lower Upper

105 100

120 50.4 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065247.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065247.D (-1870) (-)

600000

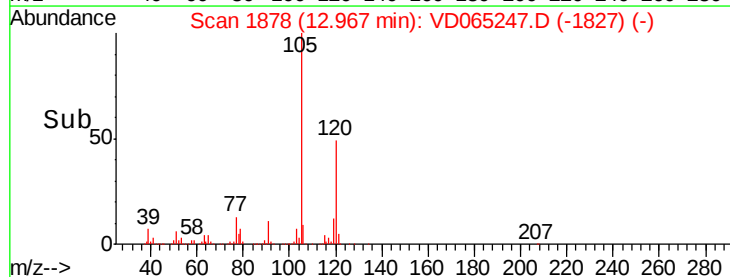
400000

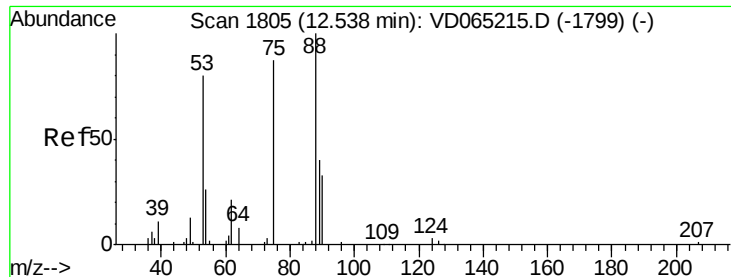
200000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.574 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampled :

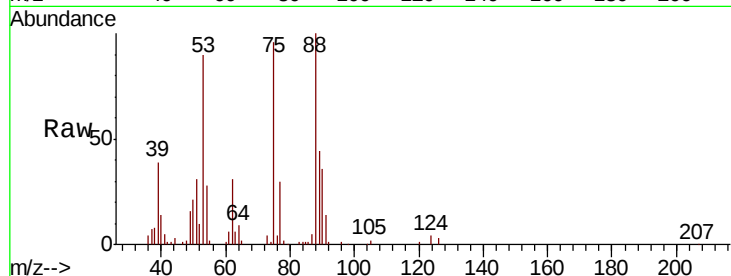
Tot Ion: 75 Resp: 62345

Ion Ratio Lower Upper

75 100

53 92.9 77.6 116.4

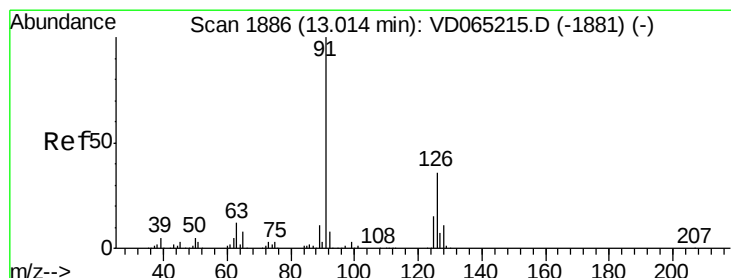
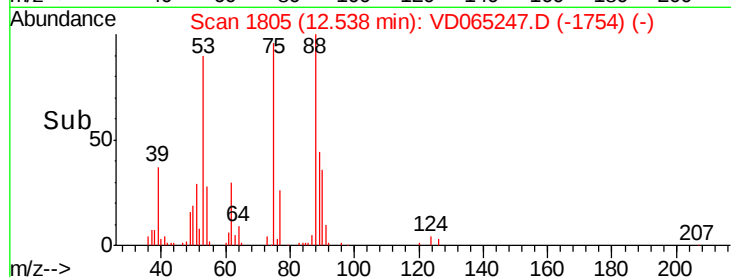
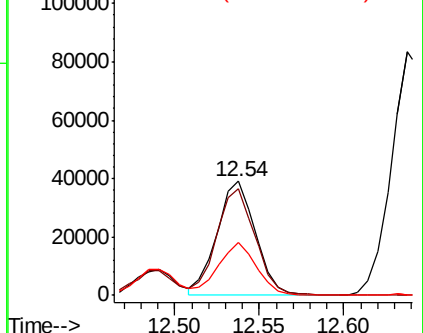
89 45.4 37.2 55.8



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: 52.992 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065247.D

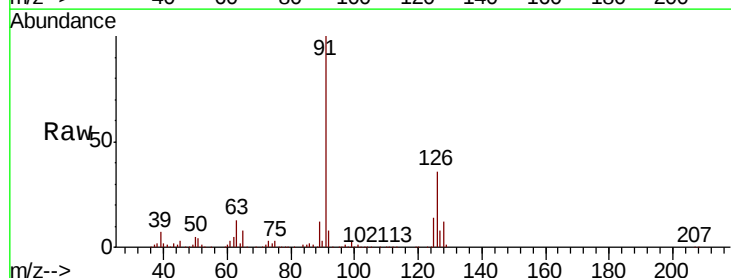
Acq: 20 Feb 2020 10:27

Tgt Ion: 91 Resp: 833882

Ion Ratio Lower Upper

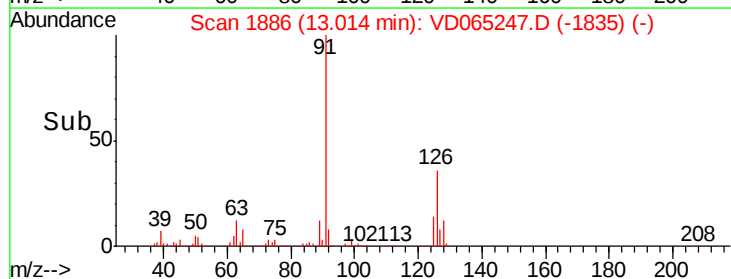
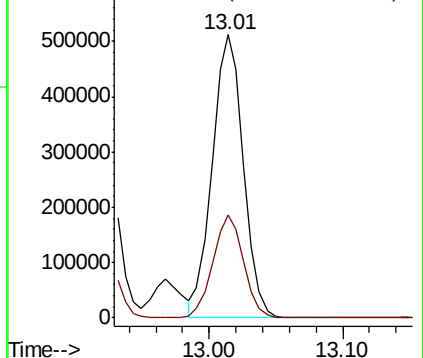
91 100

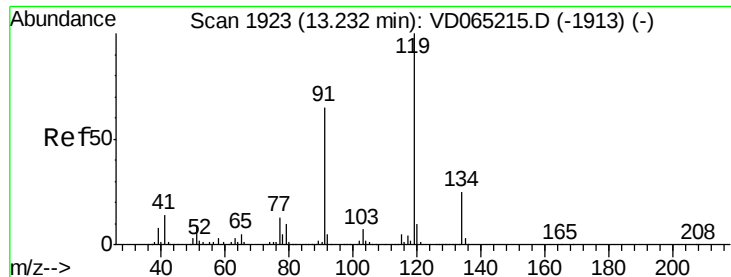
126 35.8 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

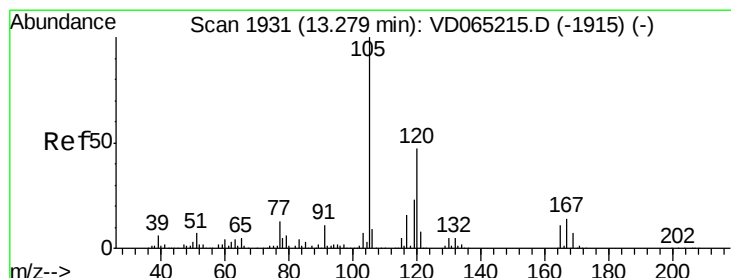
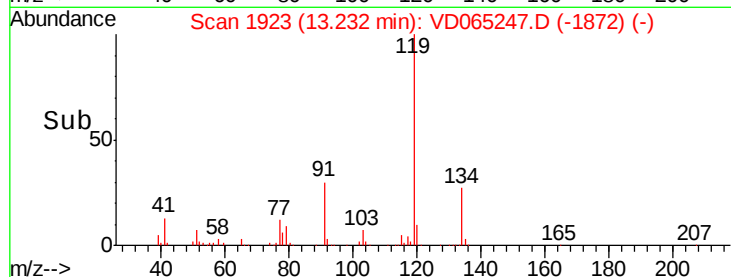
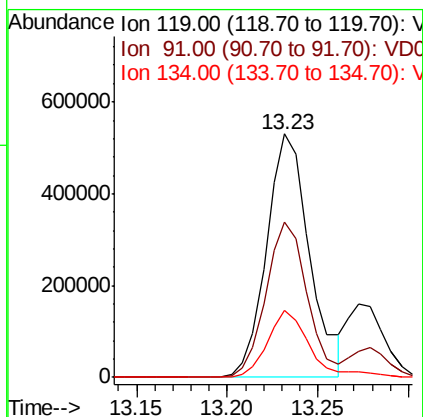
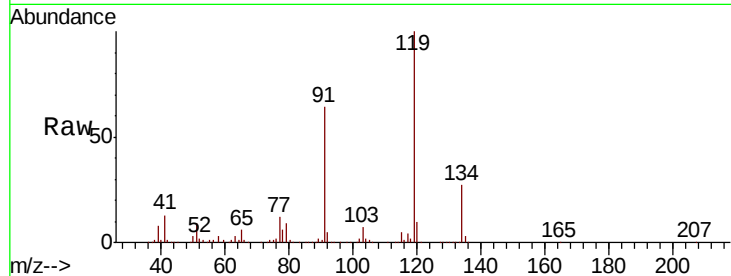




#83
tert-Butylbenzene
Concen: 57.621 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

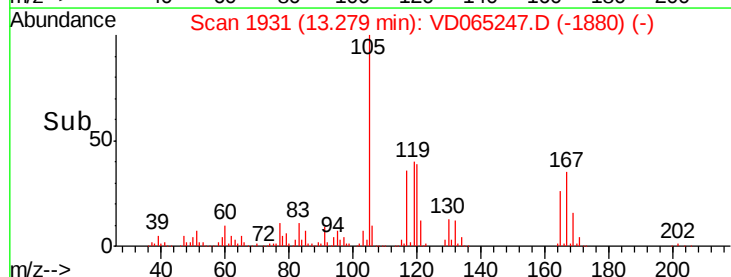
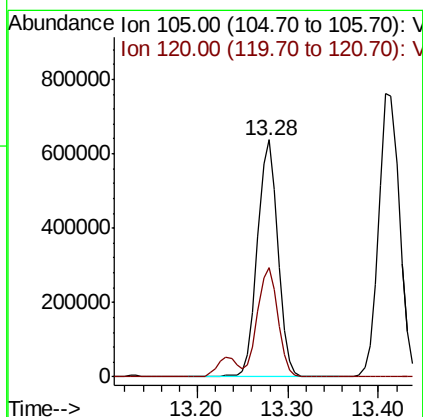
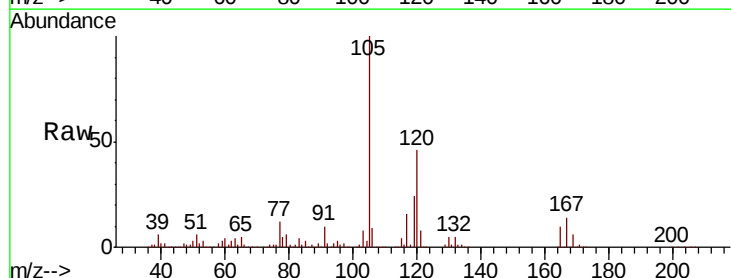
Instrument :
MSVOA_D
ClientSampleId :

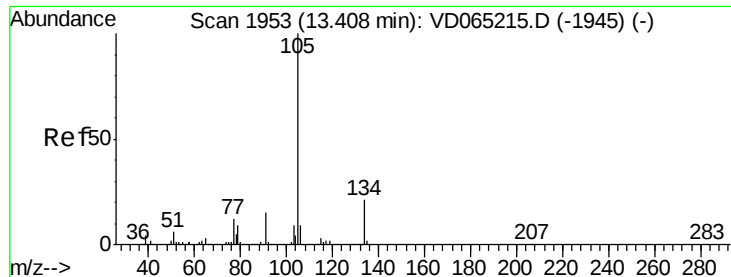
Tot Ion:119 Resp: 875761
Ion Ratio Lower Upper
119 100
91 61.3 31.9 95.5
134 27.1 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 55.171 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion:105 Resp: 1001391
Ion Ratio Lower Upper
105 100
120 46.2 23.3 69.9

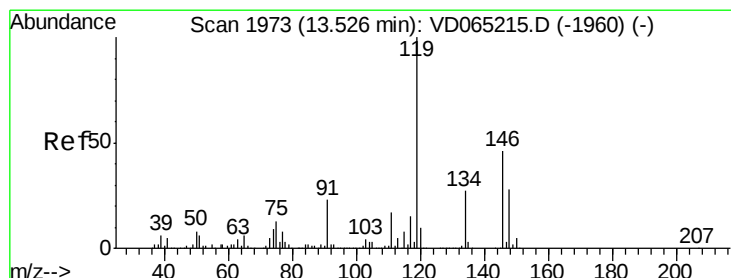
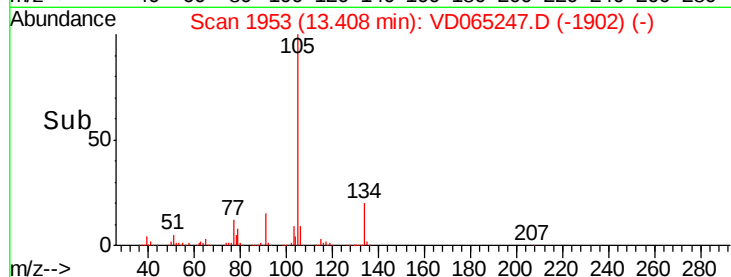
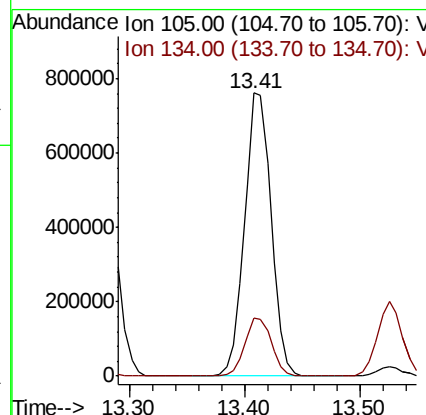
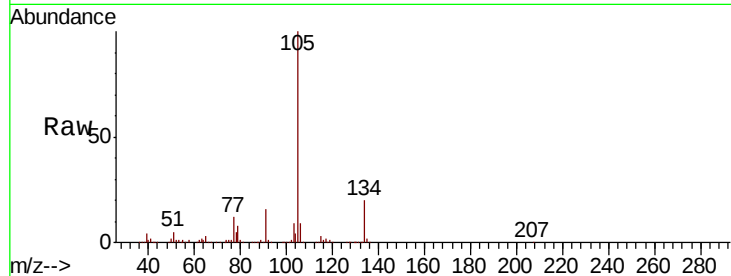




#85
 sec-Butylbenzene
 Concen: 55.474 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

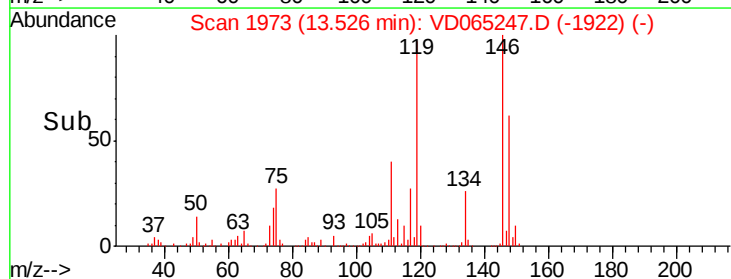
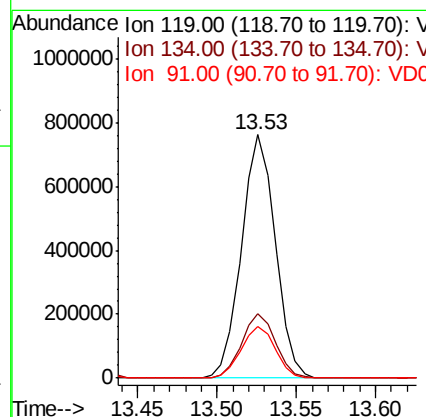
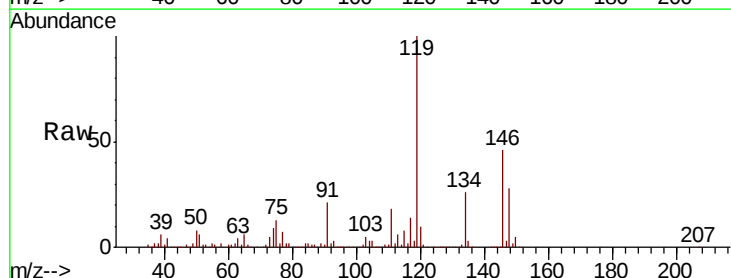
Instrument :
 MSVOA_D
 ClientSampled :

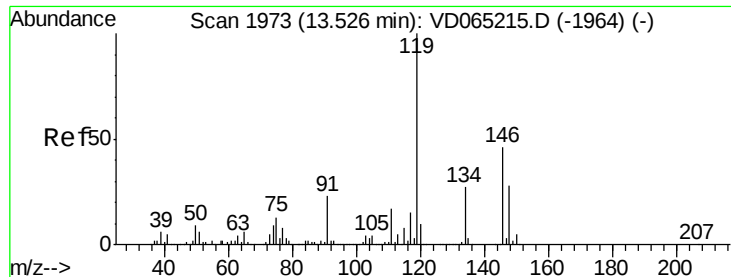
Tot Ion:105 Resp: 1214903
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 56.318 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion:119 Resp: 1127929
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.8
 91 21.7 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 51.941 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampled :

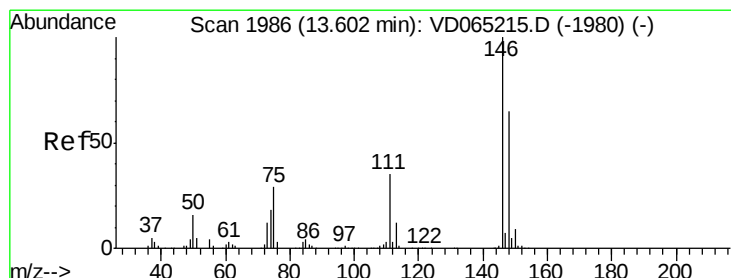
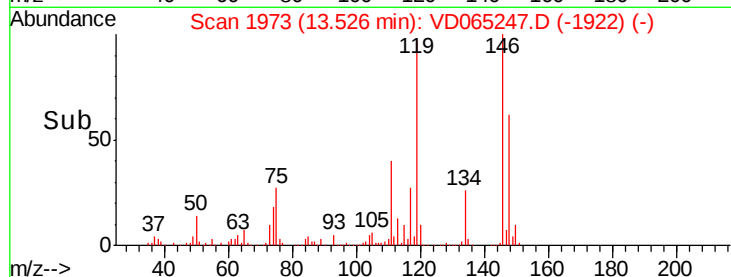
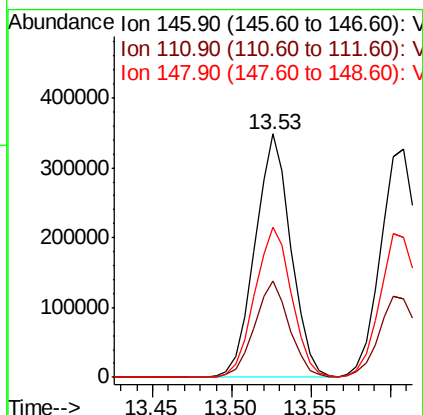
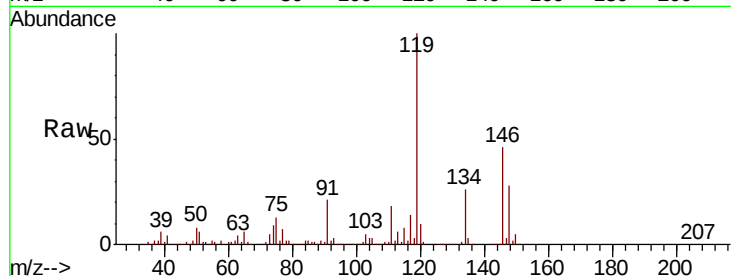
Tot Ion:146 Resp: 548990

Ion Ratio Lower Upper

146 100

111 38.5 18.6 55.8

148 63.2 31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 51.633 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

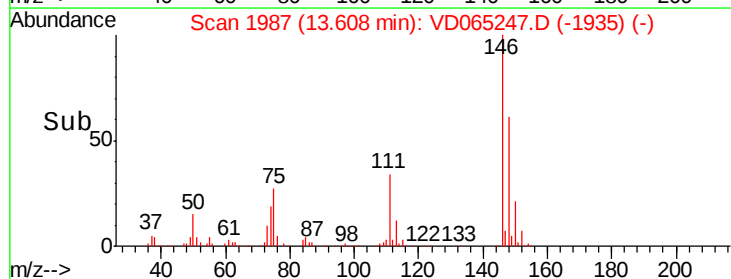
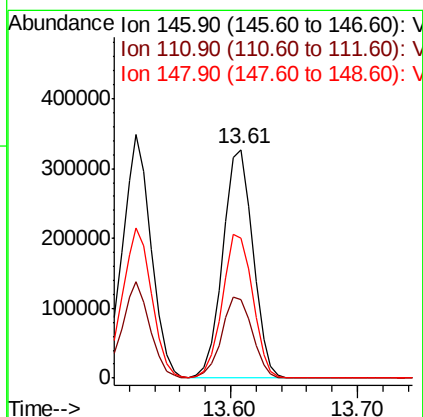
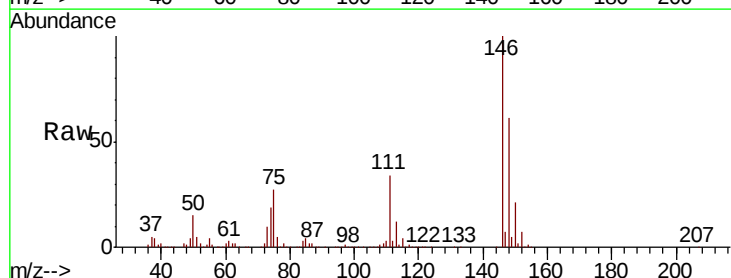
Tgt Ion:146 Resp: 538607

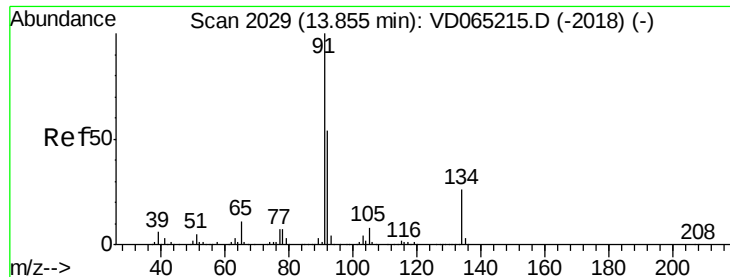
Ion Ratio Lower Upper

146 100

111 36.1 18.4 55.2

148 63.6 32.1 96.5

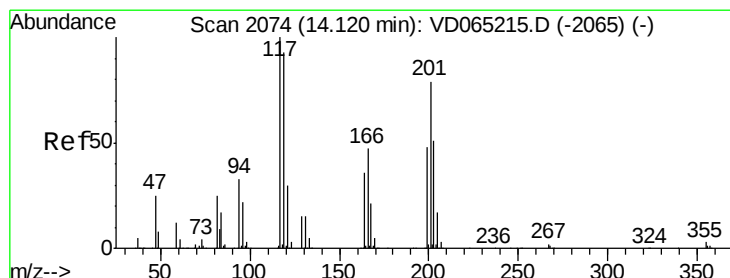
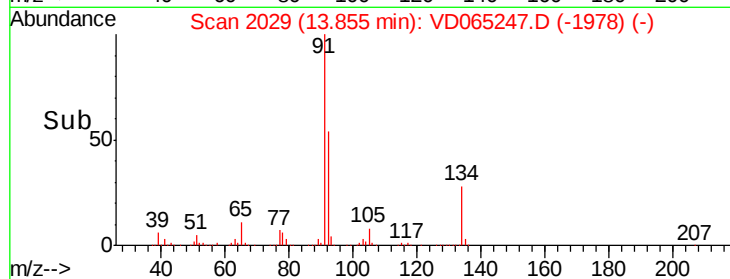
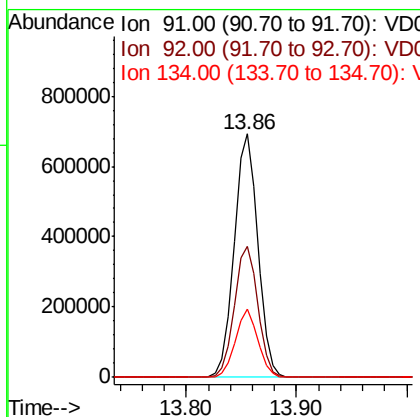
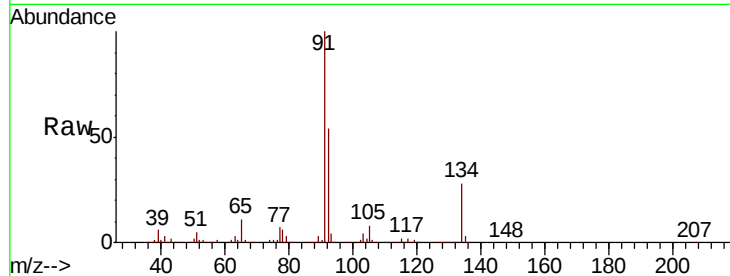




#89
n-Butylbenzene
Concen: 56.374 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

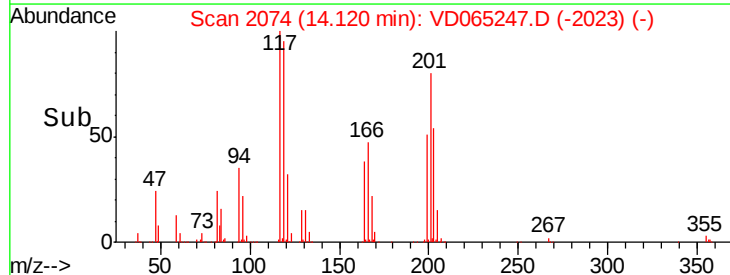
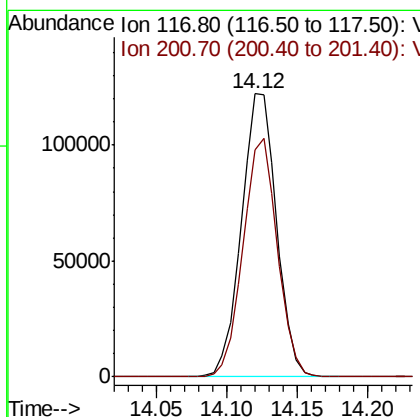
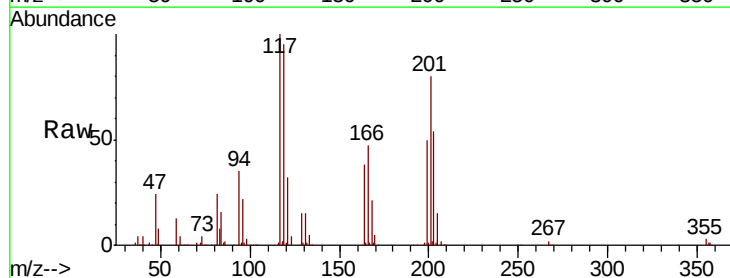
Instrument :
MSVOA_D
ClientSampled :

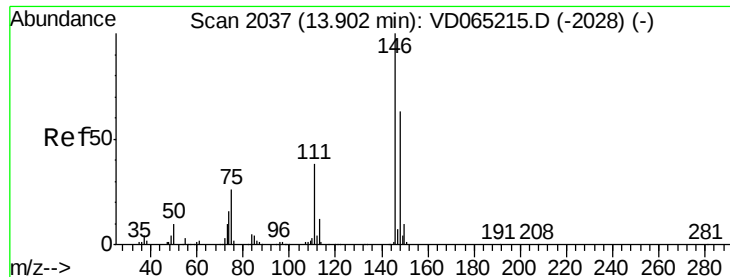
Tot Ion: 91 Resp: 1040400
Ion Ratio Lower Upper
91 100
92 53.6 27.0 80.8
134 26.8 13.5 40.4



#90
Hexachloroethane
Concen: 52.457 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 117 Resp: 213322
Ion Ratio Lower Upper
117 100
201 82.3 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 51.037 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

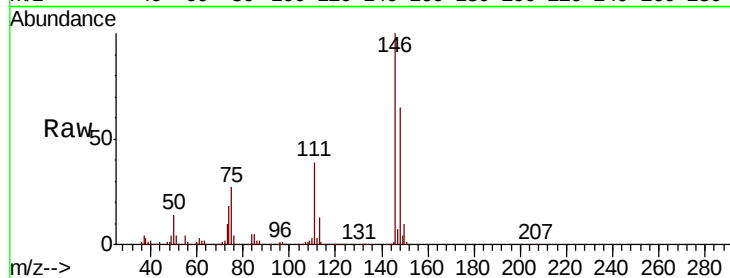
Tot Ion:146 Resp: 463178

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.0

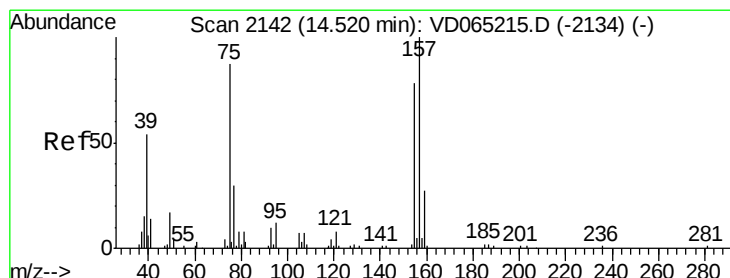
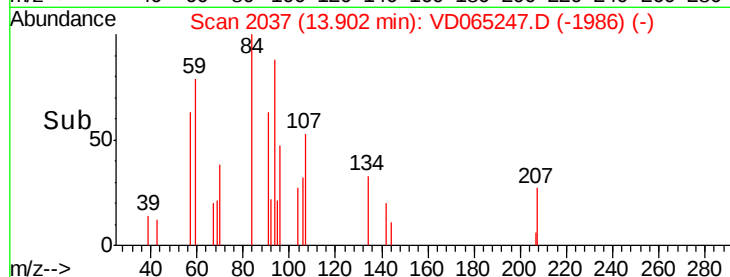
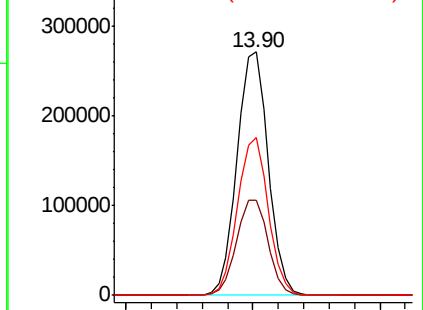
148 63.8 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.632 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

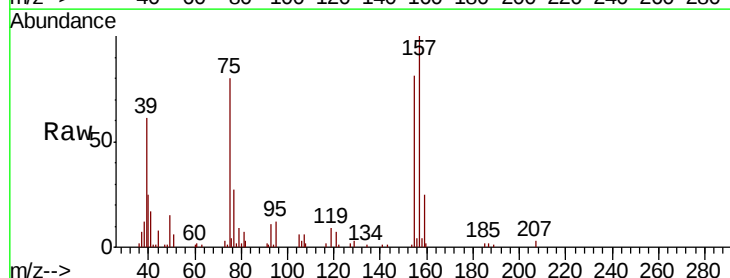
Tgt Ion: 75 Resp: 27943

Ion Ratio Lower Upper

75 100

155 91.8 42.3 126.9

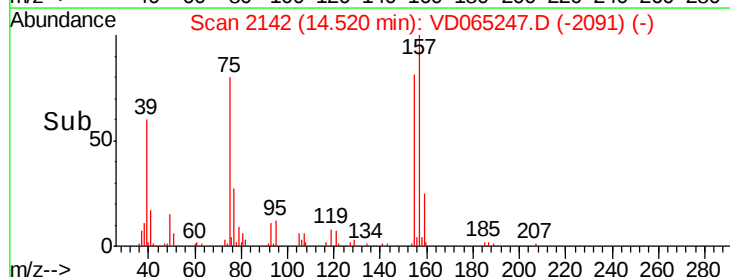
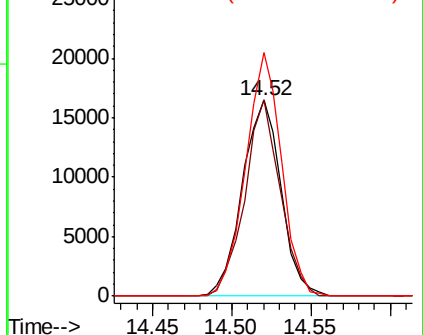
157 114.8 56.7 170.1

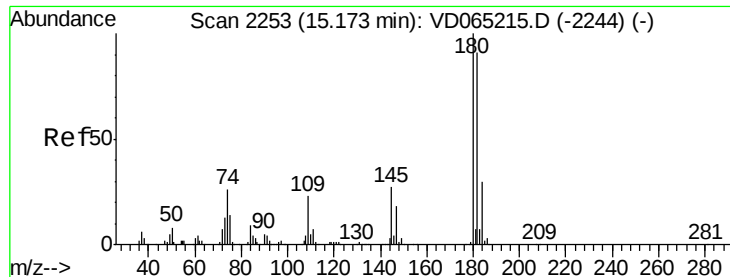


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

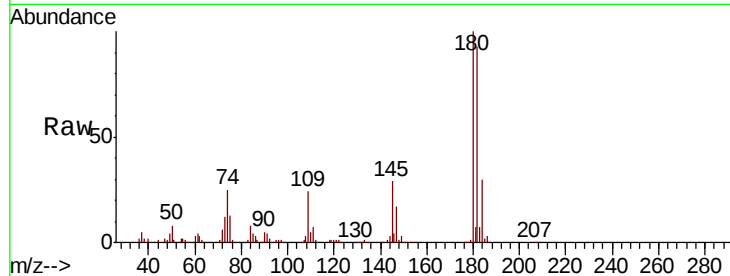




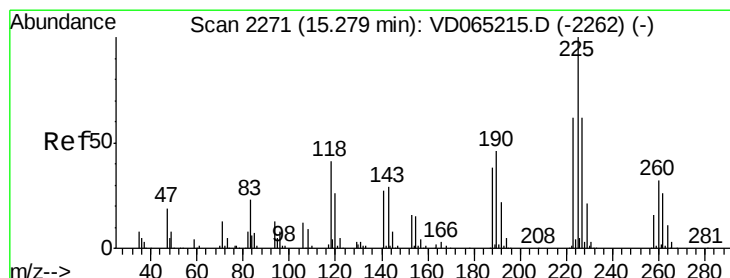
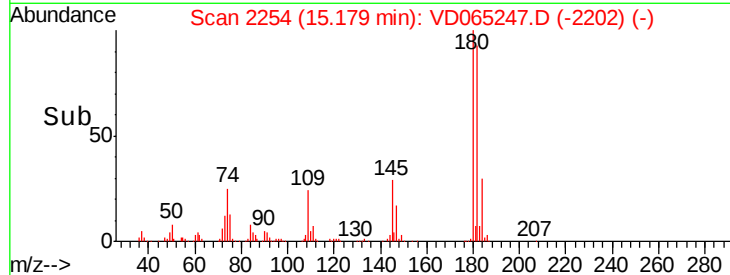
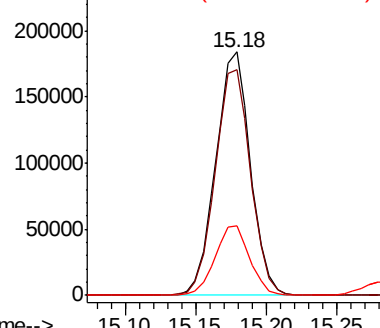
#93
 1,2,4-Trichlorobenzene
 Concen: 53.364 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.9	140.6
145	28.5	13.9	41.7

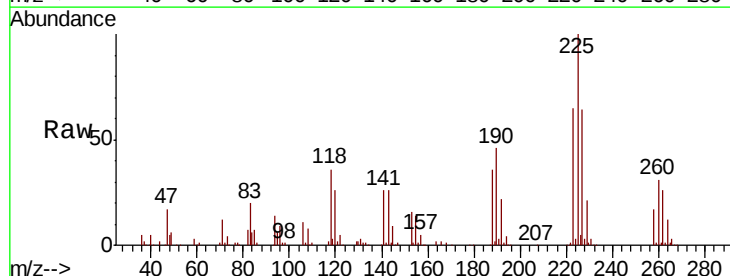


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

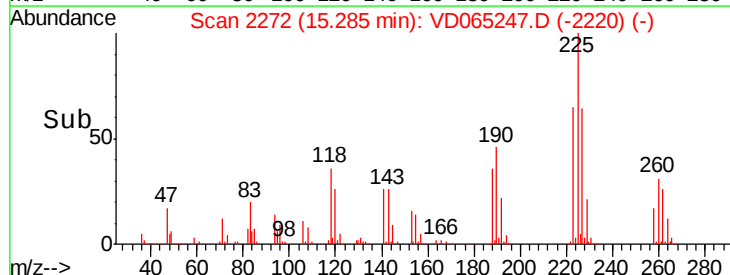
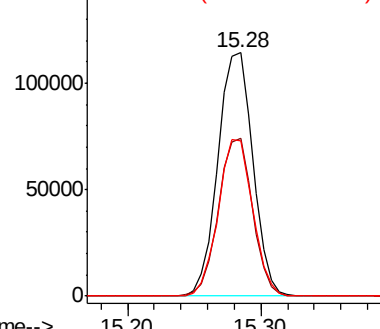


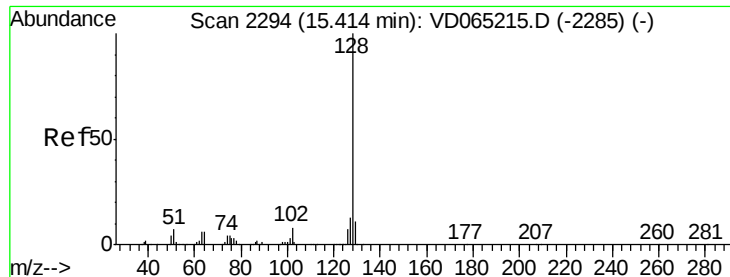
#94
 Hexachlorobutadiene
 Concen: 54.303 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.2
227	63.3	31.7	95.1



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

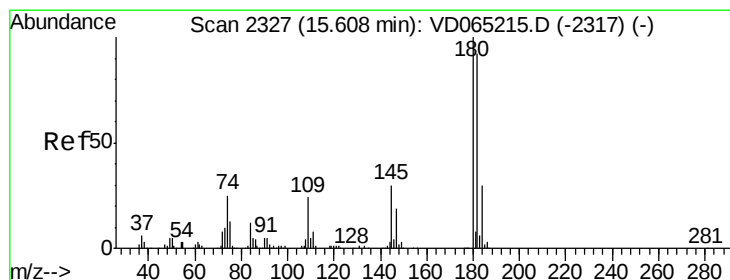
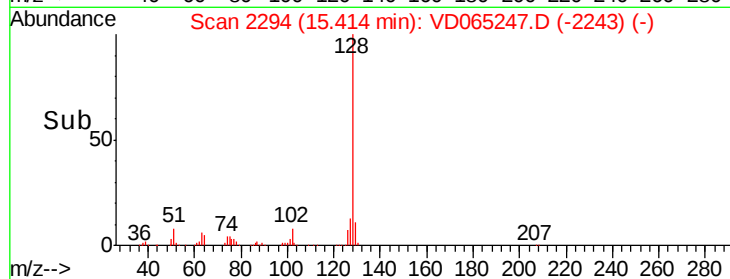
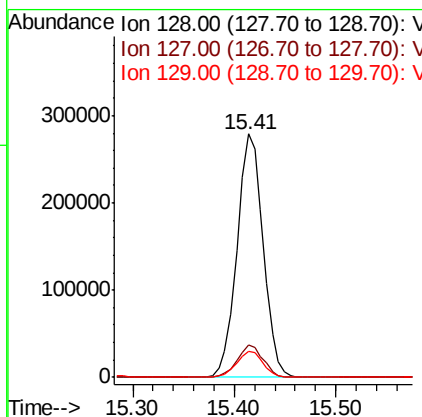
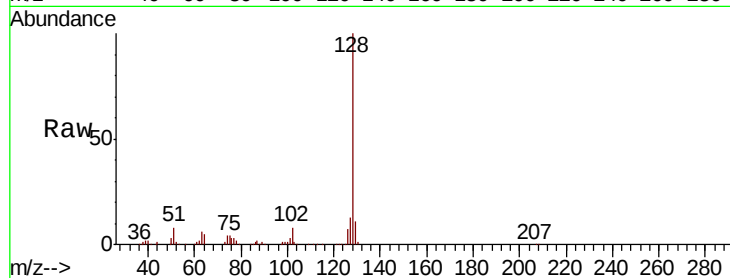




#95
Naphthalene
Concen: 51.568 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.9	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.350 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.9	140.6
145	30.5	15.4	46.1

