

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020320\
 Data File : VD065044.D
 Acq On : 03 Feb 2020 10:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Feb 03 10:47:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	749402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	650749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	242184	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	7.92	113	240077	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.34	98	933331	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.64	95	289900	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	204264	52.24	ug/l	98
3) Chloromethane	2.21	50	273649	47.75	ug/l	97
4) Vinyl Chloride	2.35	62	313232	47.59	ug/l	98
5) Bromomethane	2.77	94	189648	42.83	ug/l	100
6) Chloroethane	2.93	64	195383	45.03	ug/l	100
7) Trichlorofluoromethane	3.27	101	474858	46.71	ug/l	99
8) Diethyl Ether	3.71	74	108660	47.35	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	251704	53.22	ug/l	97
10) Methyl Iodide	4.30	142	259904	51.77	ug/l	99
11) Tert butyl alcohol	5.24	59	56697	206.09	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	233736	51.74	ug/l	98
13) Acrolein	3.93	56	83609	242.43	ug/l	98
14) Allyl chloride	4.71	41	382121	53.03	ug/l	98
15) Acrylonitrile	5.43	53	238901	240.41	ug/l	97
16) Acetone	4.16	43	320212	276.09	ug/l	98
17) Carbon Disulfide	4.40	76	742769	49.95	ug/l	99
18) Methyl Acetate	4.72	43	106172	45.54	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	488190	48.36	ug/l	97
20) Methylene Chloride	4.96	84	253172	52.63	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	270457	51.96	ug/l	98
22) Diisopropyl ether	6.37	45	737286	51.34	ug/l	99
23) Vinyl Acetate	6.31	43	2089480	248.52	ug/l	99
24) 1,1-Dichloroethane	6.27	63	462290	52.43	ug/l	99
25) 2-Butanone	7.22	43	340659	253.28	ug/l	100
26) 2,2-Dichloropropane	7.21	77	424561	53.09	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	285091	51.32	ug/l	99
28) Bromochloromethane	7.55	49	179956	51.04	ug/l	99
29) Tetrahydrofuran	7.57	42	187647	226.12	ug/l	99
30) Chloroform	7.71	83	466223	51.15	ug/l	100
31) Cyclohexane	7.98	56	437946	50.49	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	438044	51.66	ug/l	100
36) 1,1-Dichloropropene	8.11	75	381572	52.80	ug/l	99
37) Ethyl Acetate	7.30	43	137265	45.99	ug/l	99
38) Carbon Tetrachloride	8.10	117	405052	53.03	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	452433	53.55	ug/l	99
40) Benzene	8.35	78	1030242	51.76	ug/l	99
41) Methacrylonitrile	7.57	41	192828	119.92	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	289700	48.86	ug/l	98
43) Isopropyl Acetate	8.46	43	262313	46.26	ug/l	98
44) Trichloroethene	9.11	130	289166	51.91	ug/l	99
45) 1,2-Dichloropropane	9.39	63	250345	51.89	ug/l	99
46) Dibromomethane	9.48	93	125898	47.79	ug/l	99
47) Bromodichloromethane	9.67	83	349593	51.00	ug/l	97
48) Methyl methacrylate	9.46	41	127180	48.74	ug/l	96
49) 1,4-Dioxane	9.47	88	28357	928.21	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	667116	235.15	ug/l	100
52) Toluene	10.41	92	665951	51.90	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	328062	50.25	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	391400	51.20	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	171996	48.47	ug/l	98
56) Ethyl methacrylate	10.67	69	211246	49.79	ug/l	99
57) 1,3-Dichloropropane	10.95	76	300975	49.46	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	349281	247.78	ug/l	98
59) 2-Hexanone	10.99	43	522158	266.83	ug/l	100
60) Dibromochloromethane	11.14	129	233034	49.14	ug/l	98
61) 1,2-Dibromoethane	11.26	107	164715	48.21	ug/l	99
64) Tetrachloroethene	10.88	164	247119	52.55	ug/l	98
65) Chlorobenzene	11.68	112	678729	51.37	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	255589	51.44	ug/l	99
67) Ethyl Benzene	11.75	91	1262758	53.83	ug/l	100
68) m/p-Xylenes	11.86	106	989776	109.59	ug/l	100
69) o-Xylene	12.18	106	427692	53.36	ug/l	100
70) Styrene	12.20	104	778436	54.52	ug/l	100
71) Bromoform	12.37	173	132989	48.15	ug/l #	100
73) Isopropylbenzene	12.48	105	1199287	56.14	ug/l	100
74) N-amyl acetate	12.30	43	236472	49.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	174250	48.53	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	241823	93.21	ug/l #	100
77) Bromobenzene	12.77	156	276275	52.85	ug/l	99
78) n-propylbenzene	12.83	91	1428332	56.22	ug/l	99
79) 2-Chlorotoluene	12.91	91	767258	55.05	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	979119	55.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	59228	48.75	ug/l	98
82) 4-Chlorotoluene	13.01	91	800515	54.16	ug/l	99
83) tert-Butylbenzene	13.23	119	818173	55.07	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	972926	54.86	ug/l	100
85) sec-Butylbenzene	13.41	105	1187896	56.47	ug/l	98
86) p-Isopropyltoluene	13.53	119	1118658	56.83	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	539858	53.83	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	520103	52.25	ug/l	99
89) n-Butylbenzene	13.86	91	1008523	56.14	ug/l	99
90) Hexachloroethane	14.12	117	207109	54.56	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	442462	51.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28017	48.76	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

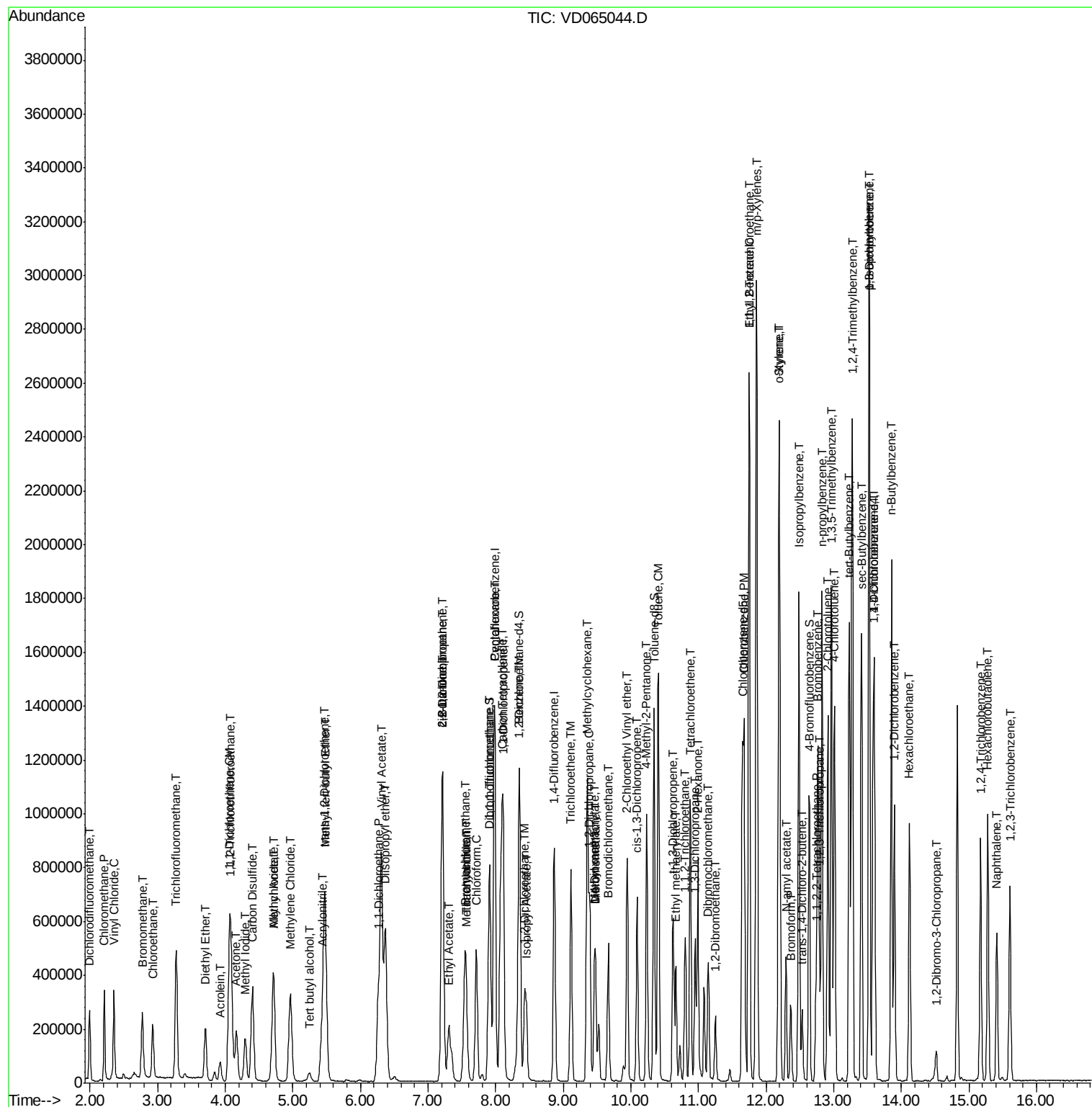
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	310622	52.73	ug/l	99
94) Hexachlorobutadiene	15.28	225	200276	53.75	ug/l	97
95) Naphthalene	15.41	128	472700	49.72	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	264339	51.76	ug/l	99

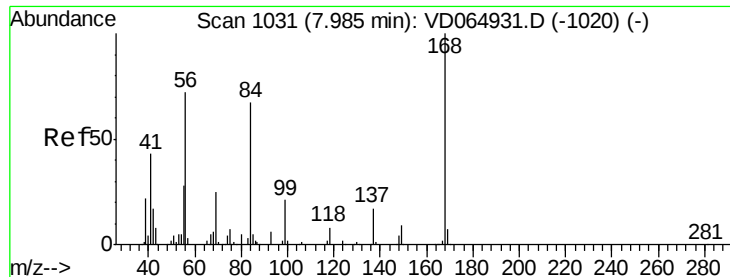
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

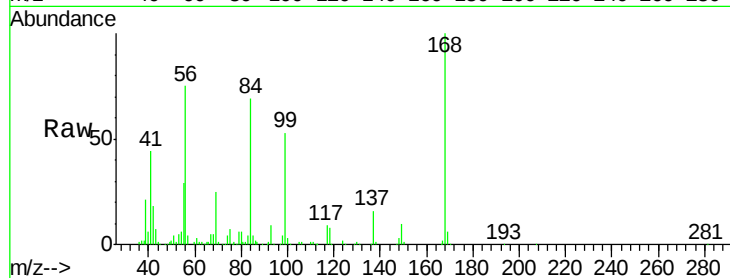
BFB

Tgt Ion:168 Resp: 519012

Ion Ratio Lower Upper

168 100

99 52.6 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

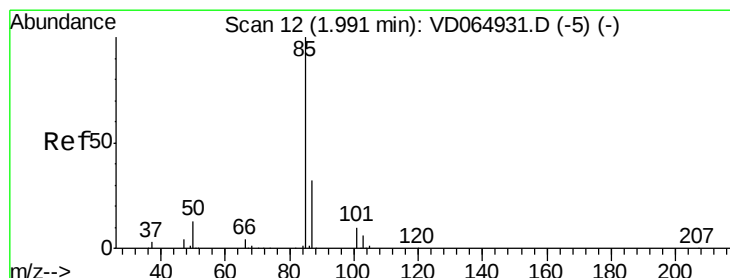
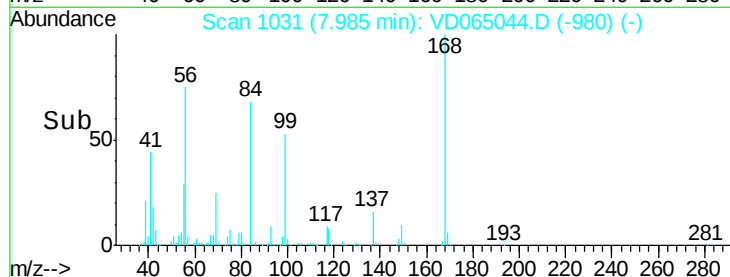
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.24 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065044.D

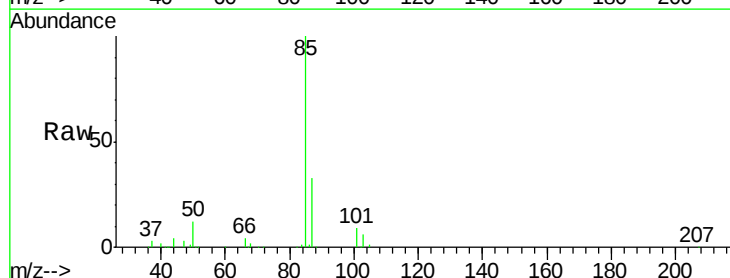
Acq: 03 Feb 2020 10:08

Tgt Ion: 85 Resp: 204264

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

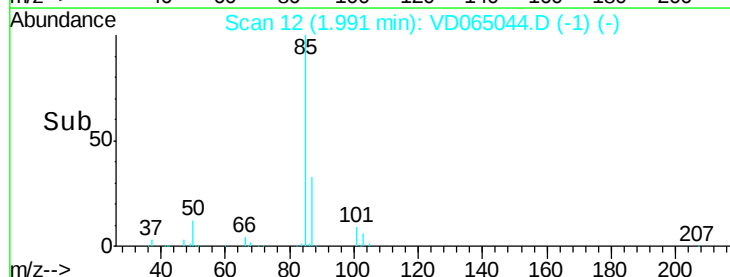
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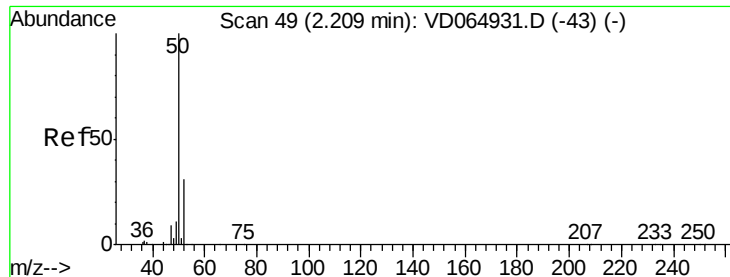
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.75 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

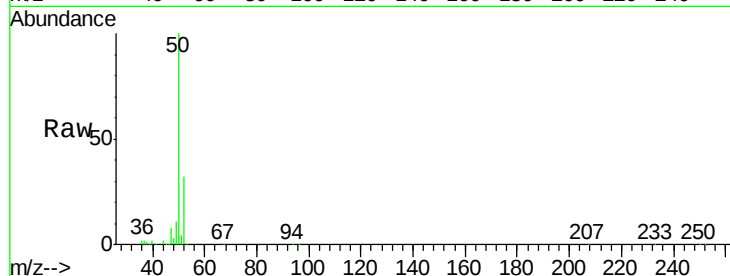
BFB

Tgt Ion: 50 Resp: 273649

Ion Ratio Lower Upper

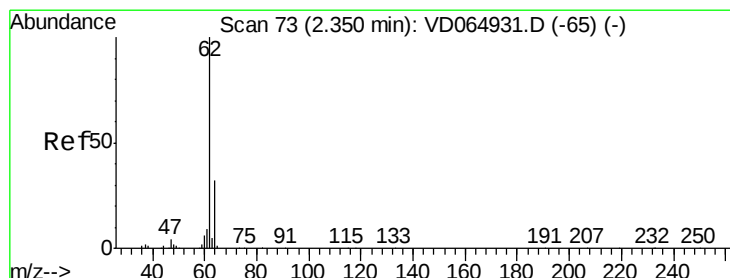
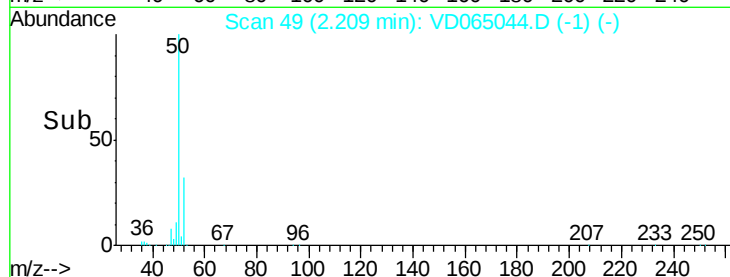
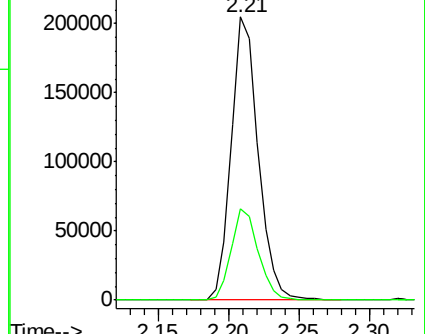
50 100

52 32.3 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.59 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065044.D

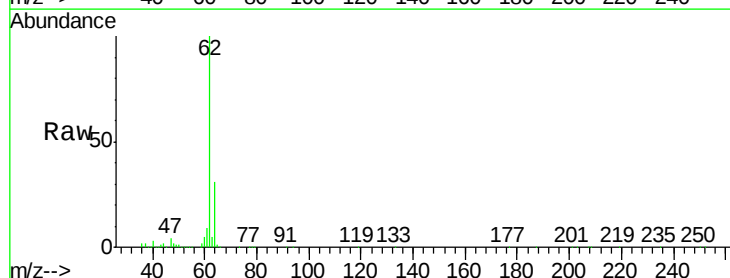
Acq: 03 Feb 2020 10:08

Tgt Ion: 62 Resp: 313232

Ion Ratio Lower Upper

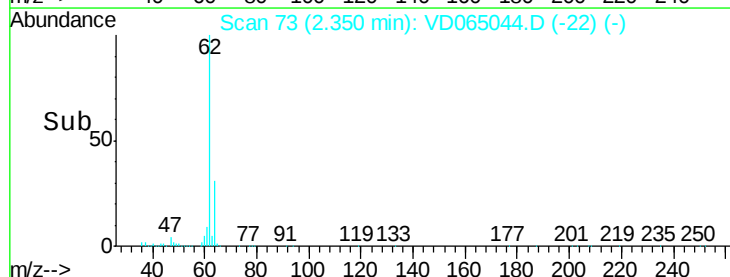
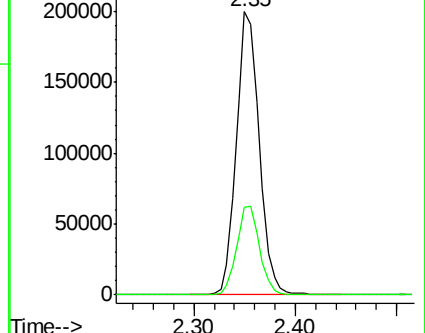
62 100

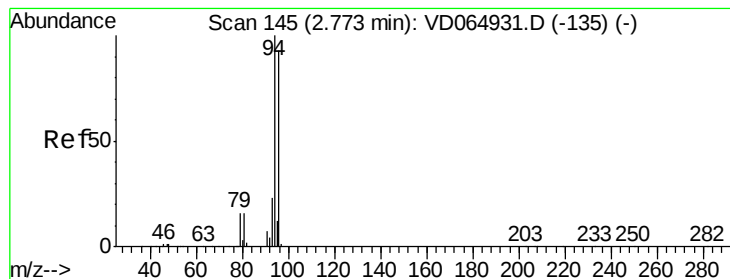
64 31.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 42.83 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

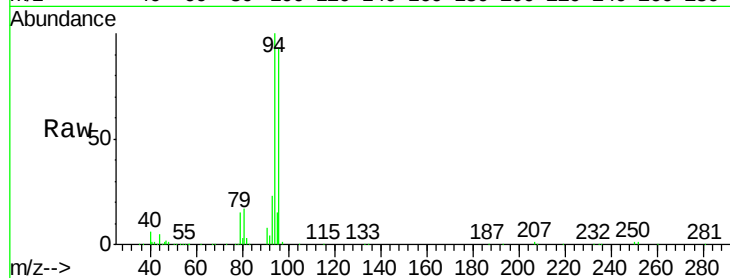
BFB

Tgt Ion: 94 Resp: 189648

Ion Ratio Lower Upper

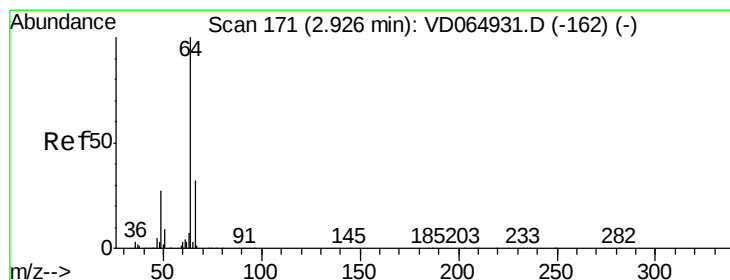
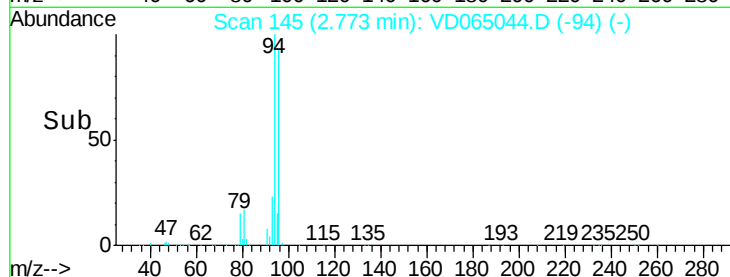
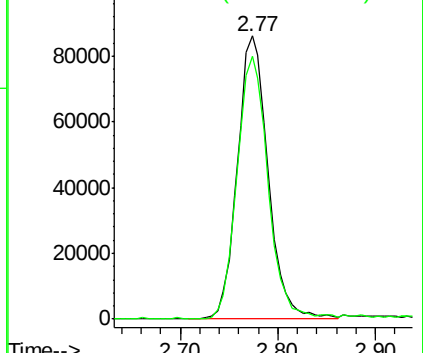
94 100

96 92.9 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.03 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065044.D

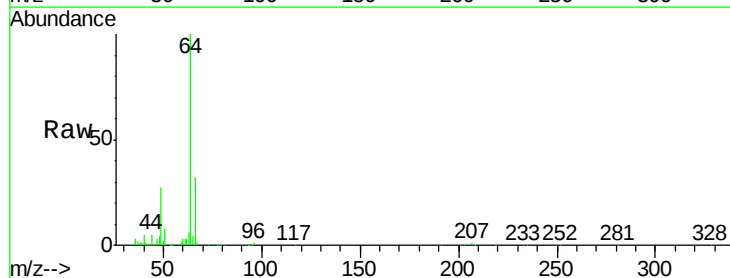
Acq: 03 Feb 2020 10:08

Tgt Ion: 64 Resp: 195383

Ion Ratio Lower Upper

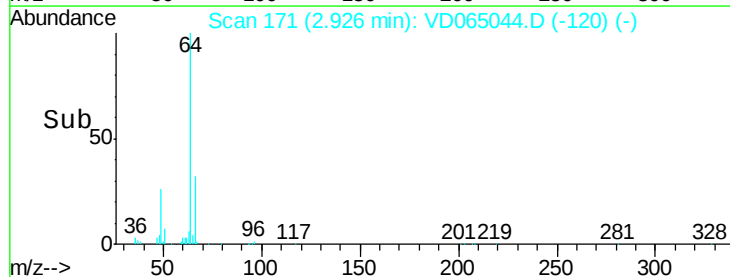
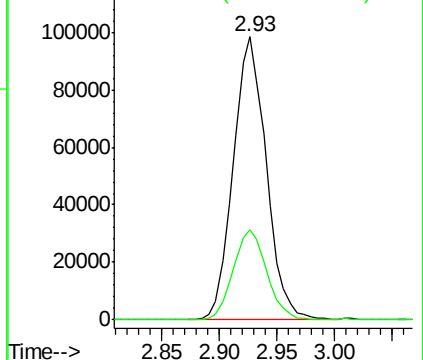
64 100

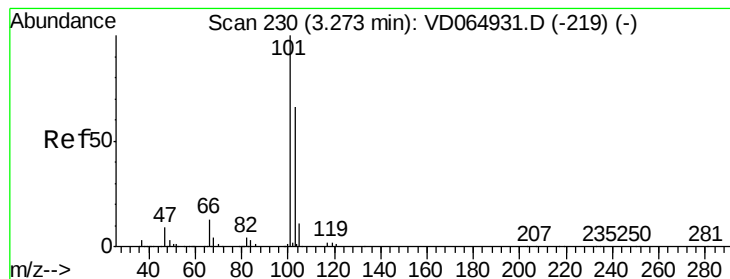
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



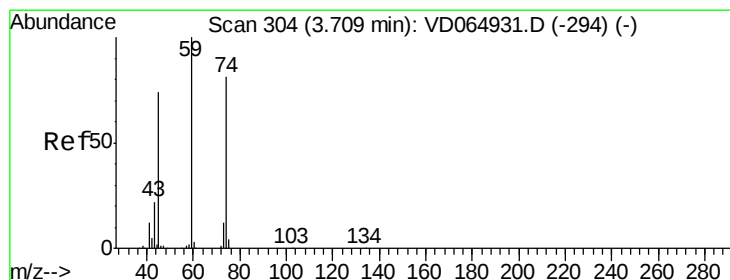
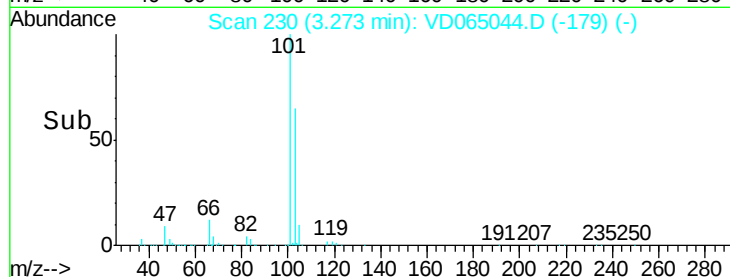
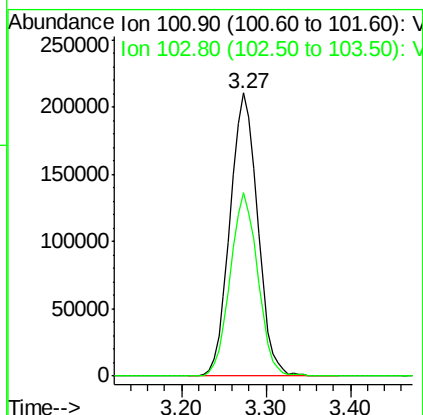
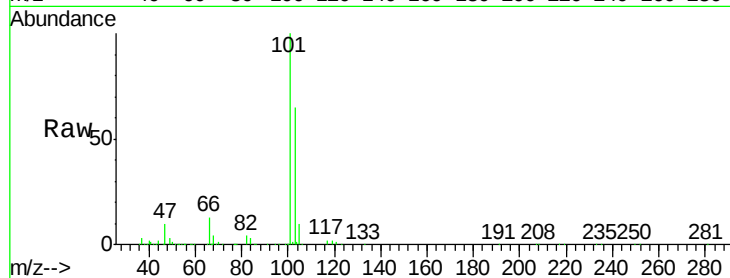


#7

Trichlorofluoromethane
Concen: 46.71 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
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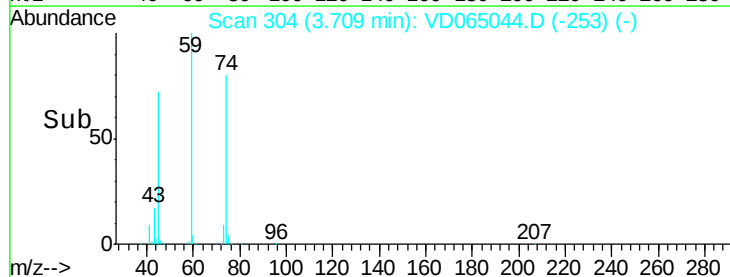
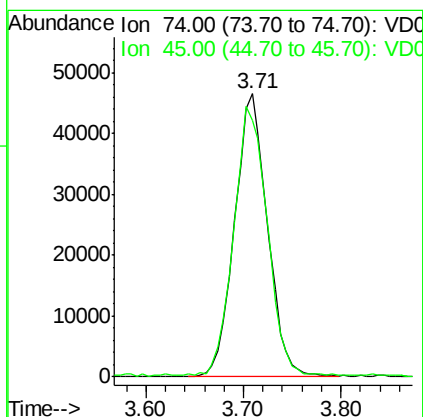
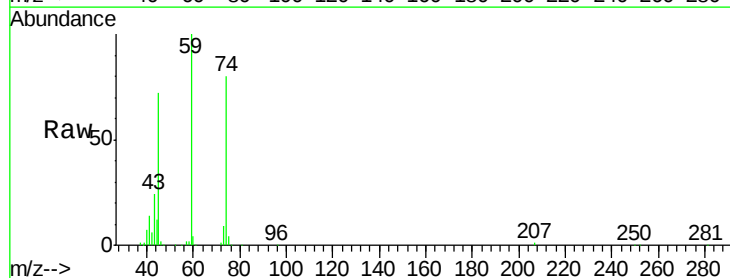
Tgt Ion: 101 Resp: 474858
Ion Ratio Lower Upper
101 100
103 64.9 52.5 78.7

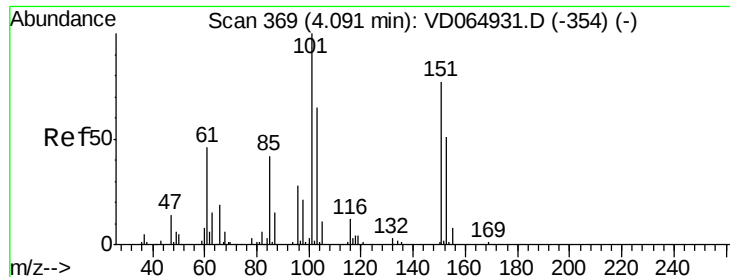


#8

Diethyl Ether
Concen: 47.35 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 74 Resp: 108660
Ion Ratio Lower Upper
74 100
45 97.1 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.22 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

BFB

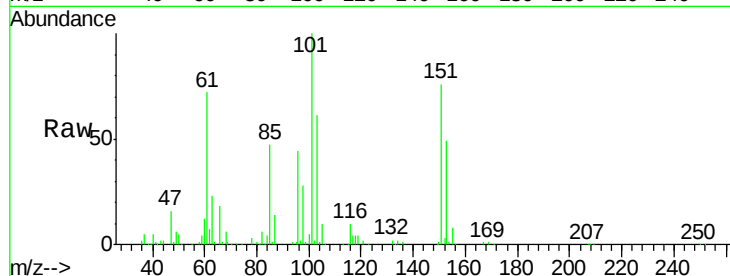
Tgt Ion:101 Resp: 251704

Ion Ratio Lower Upper

101 100

85 44.3 35.0 52.4

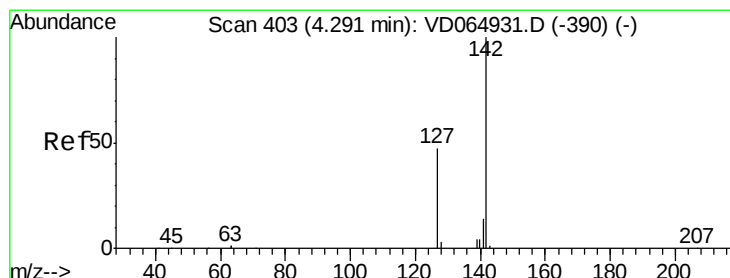
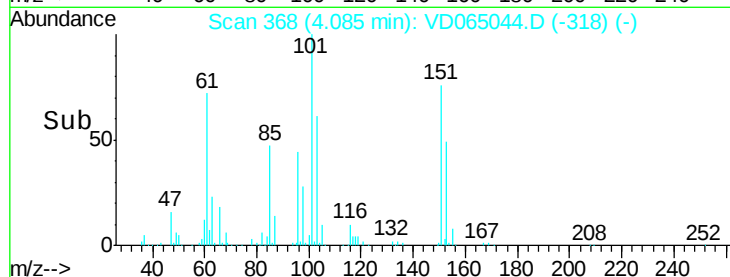
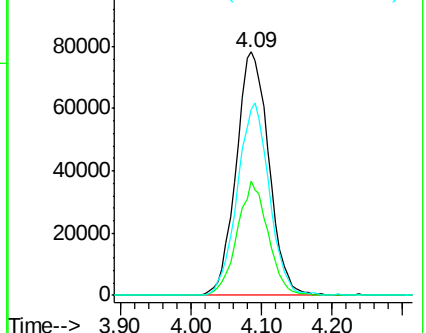
151 77.4 64.6 96.8



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: 51.77 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

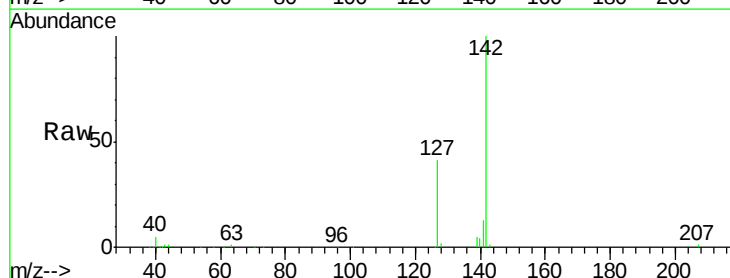
Tgt Ion:142 Resp: 259904

Ion Ratio Lower Upper

142 100

127 45.6 36.2 54.2

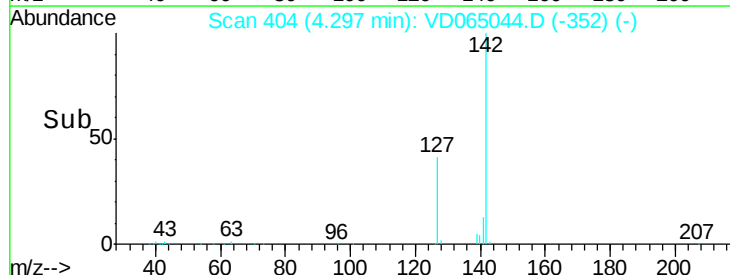
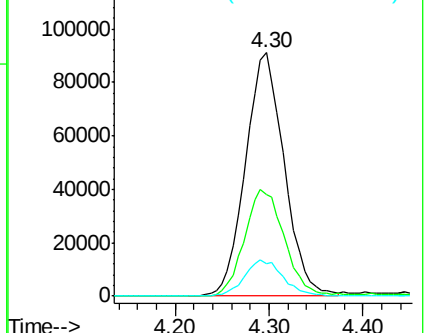
141 14.9 11.6 17.4

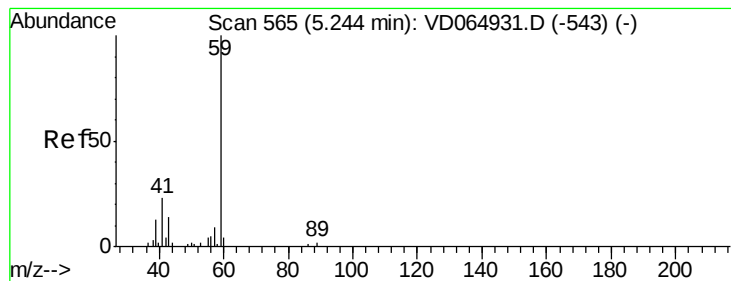


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 206.09 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

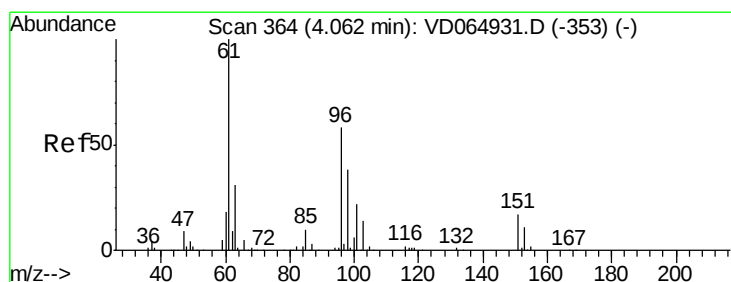
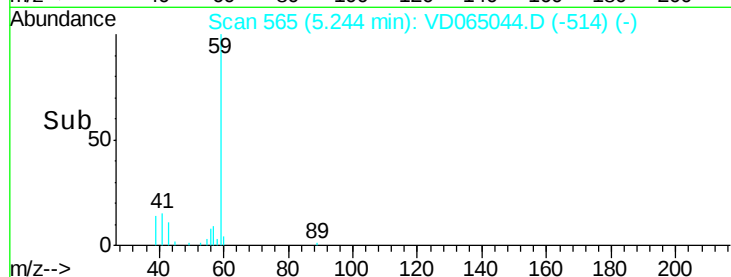
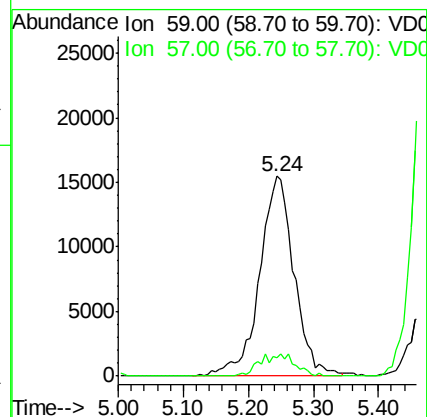
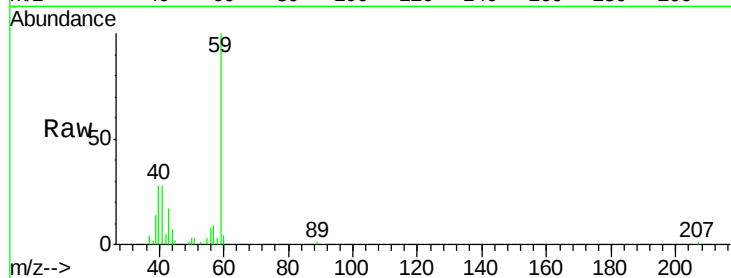
BFB

Tgt Ion: 59 Resp: 56697

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#12

1,1-Dichloroethene

Concen: 51.74 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

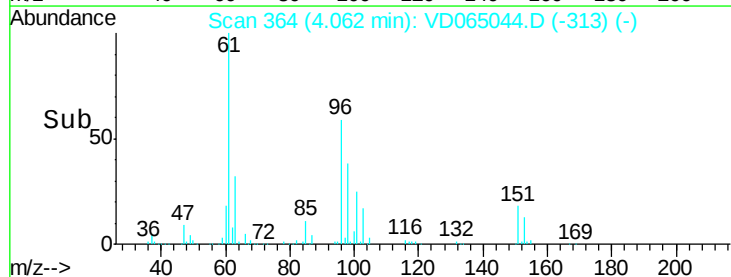
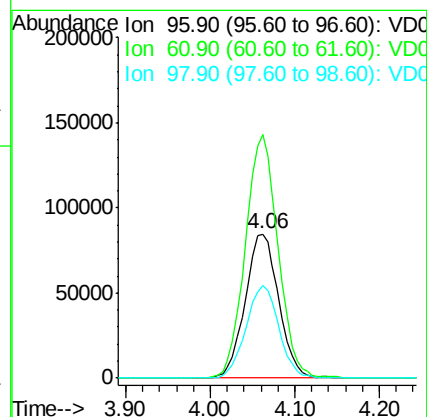
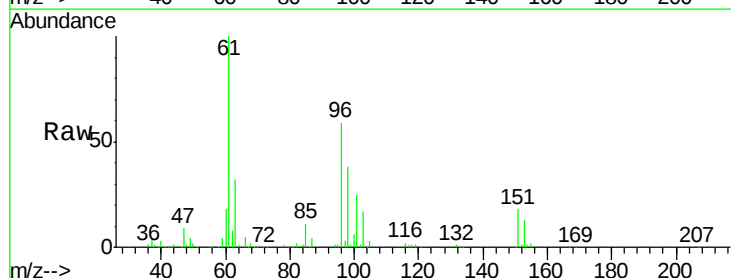
Tgt Ion: 96 Resp: 233736

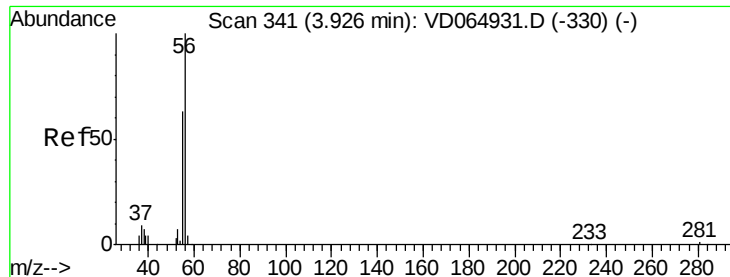
Ion Ratio Lower Upper

96 100

61 168.8 137.0 205.4

98 64.2 52.1 78.1





#13

Acrolein

Concen: 242.43 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

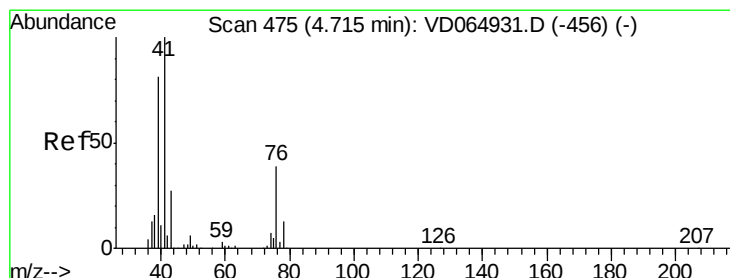
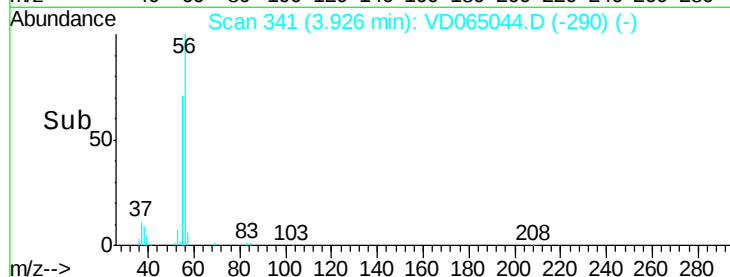
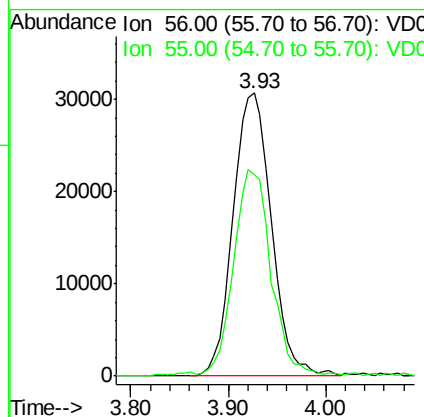
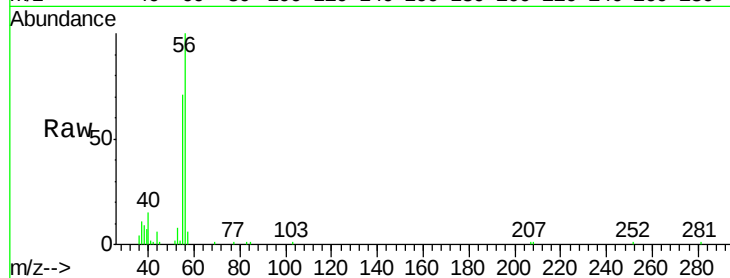
BFB

Tgt Ion: 56 Resp: 83609

Ion Ratio Lower Upper

56 100

55 72.5 59.7 89.5



#14

Allyl chloride

Concen: 53.03 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

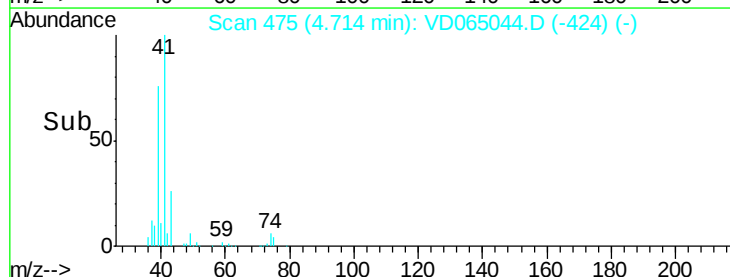
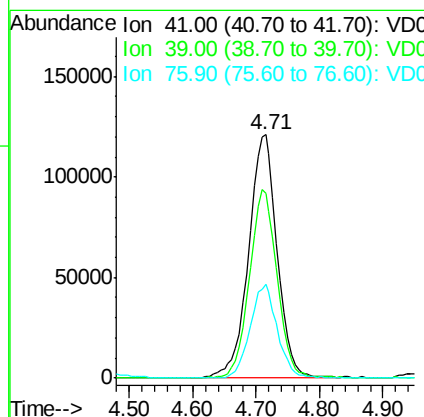
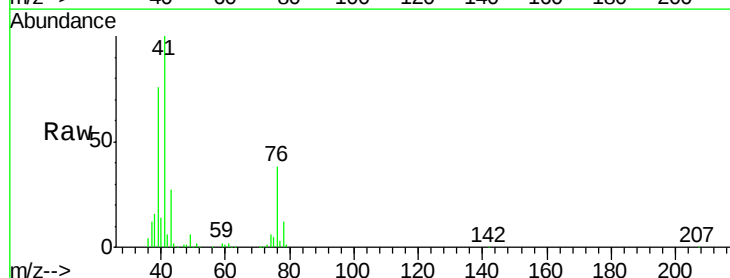
Tgt Ion: 41 Resp: 382121

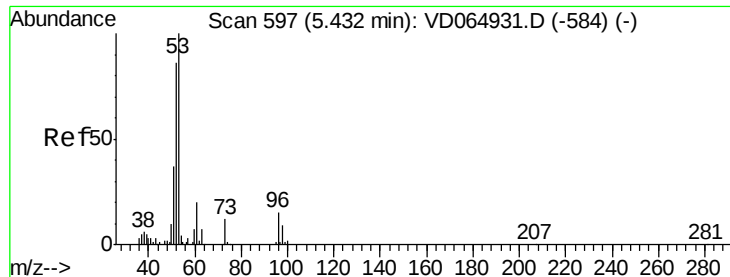
Ion Ratio Lower Upper

41 100

39 75.0 62.0 93.0

76 35.9 29.3 43.9





#15

Acrylonitrile

Concen: 240.41 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

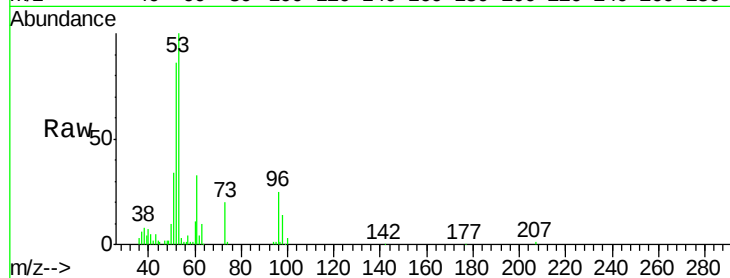
Tgt Ion: 53 Resp: 238901

Ion Ratio Lower Upper

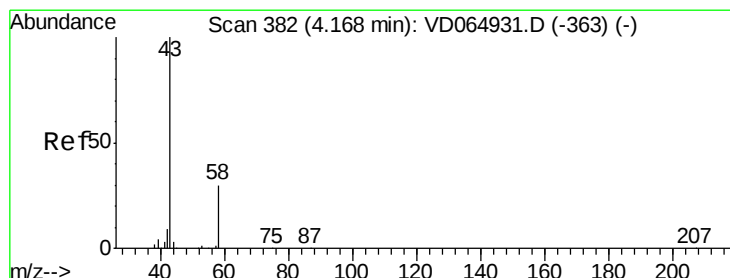
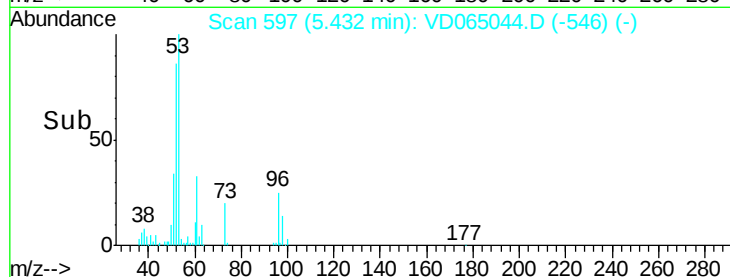
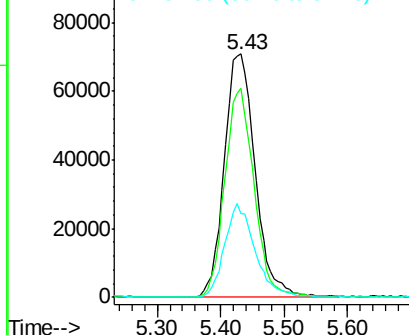
53 100

52 81.0 66.7 100.1

51 37.5 31.1 46.7



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



#16

Acetone

Concen: 276.09 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065044.D

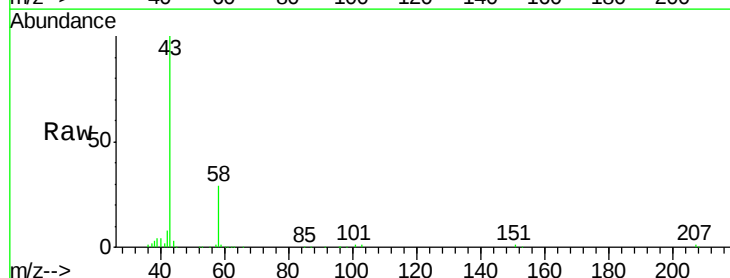
Acq: 03 Feb 2020 10:08

Tgt Ion: 43 Resp: 320212

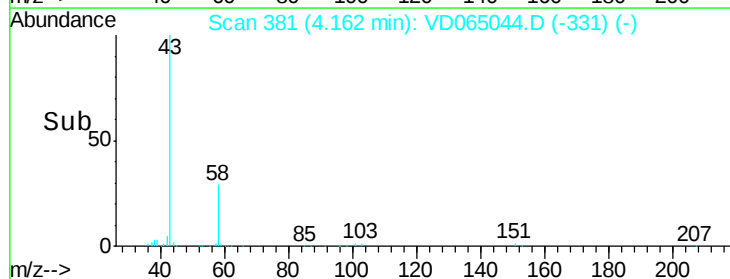
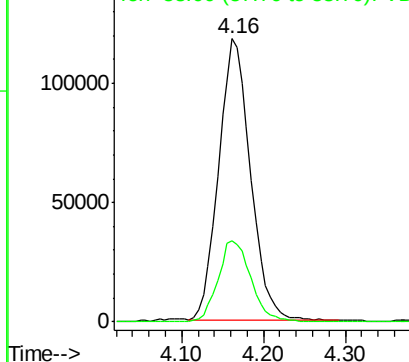
Ion Ratio Lower Upper

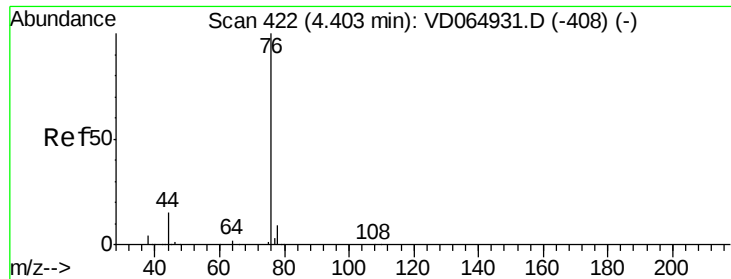
43 100

58 28.8 23.8 35.8



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

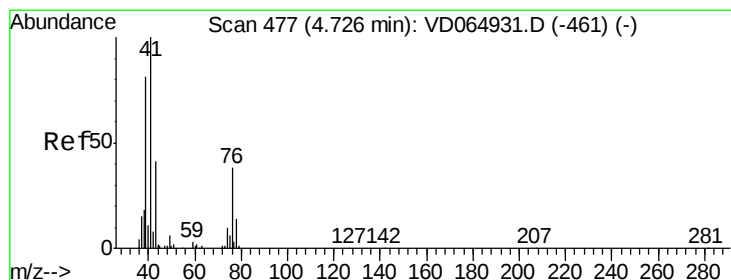
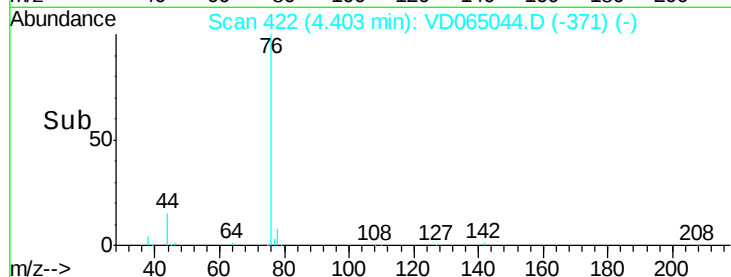
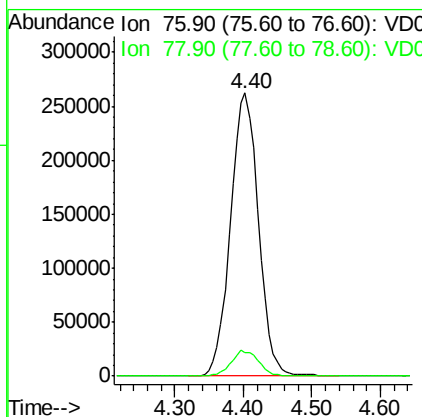
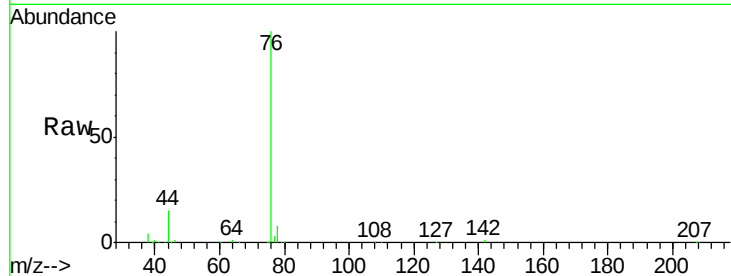




#17
Carbon Disulfide
Concen: 49.95 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

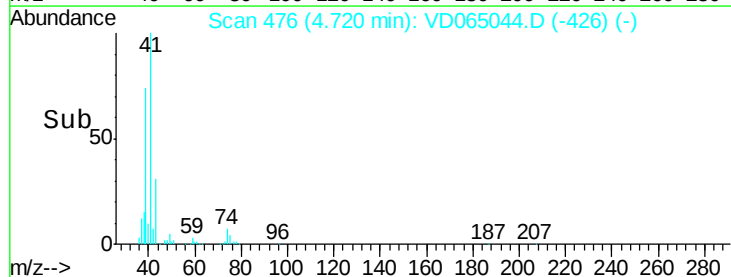
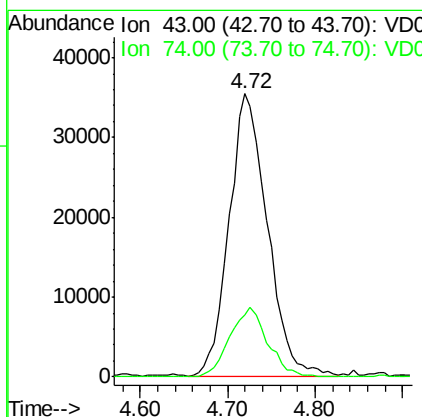
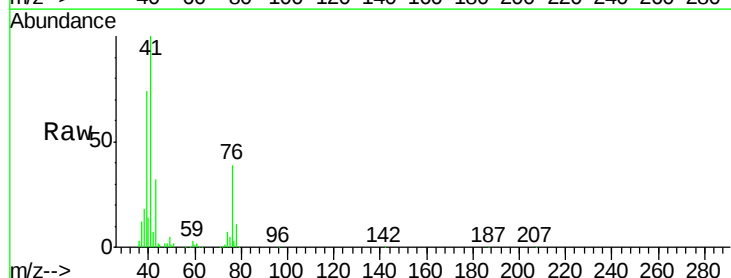
Instrument :
MSVOA_D
ClientSampled :
BFB

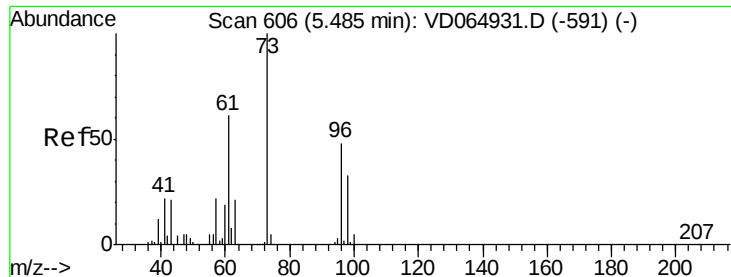
Tgt Ion: 76 Resp: 742769
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 45.54 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 43 Resp: 106172
Ion Ratio Lower Upper
43 100
74 24.0 19.1 28.7

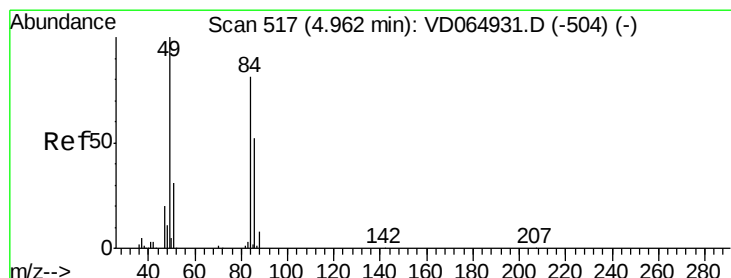
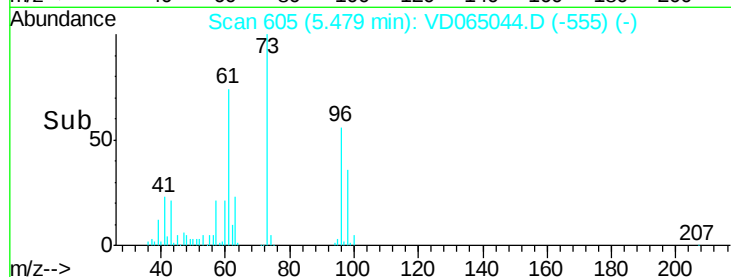
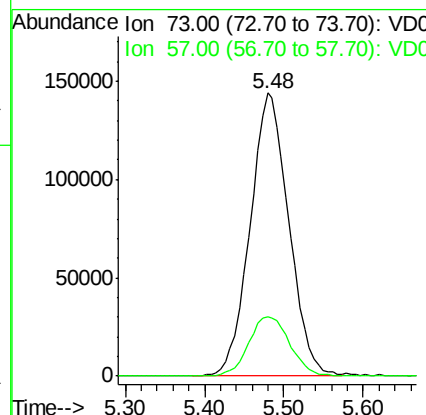
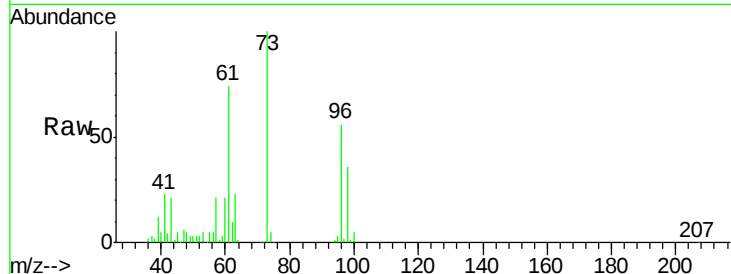




#19
Methyl tert-butyl Ether
Concen: 48.36 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

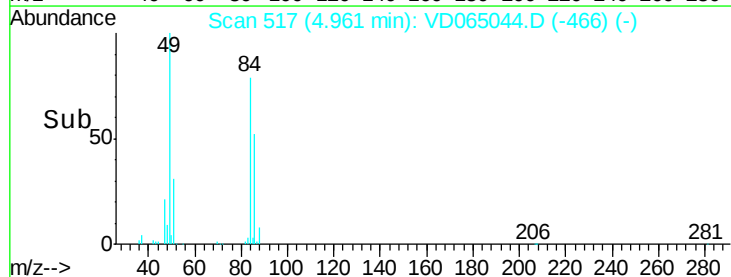
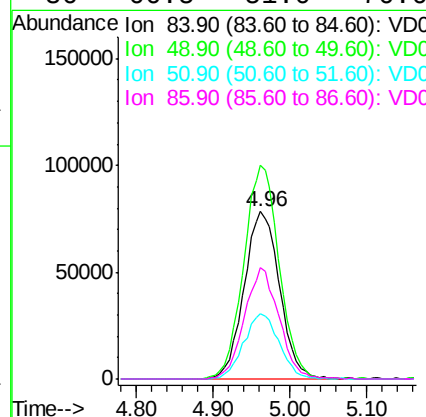
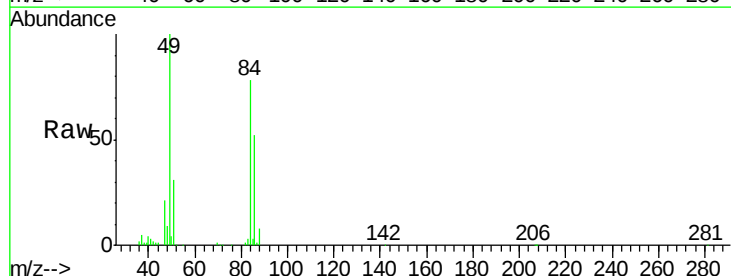
Instrument :
MSVOA_D
ClientSampleId :
BFB

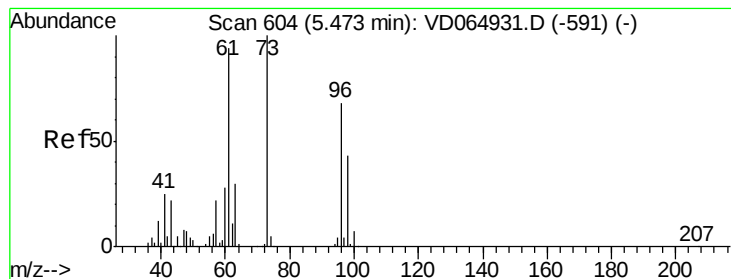
Tgt Ion: 73 Resp: 488190
Ion Ratio Lower Upper
73 100
57 20.9 17.9 26.9



#20
Methylene Chloride
Concen: 52.63 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 84 Resp: 253172
Ion Ratio Lower Upper
84 100
49 127.7 98.4 147.6
51 39.0 30.8 46.2
86 66.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.96 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

BFB

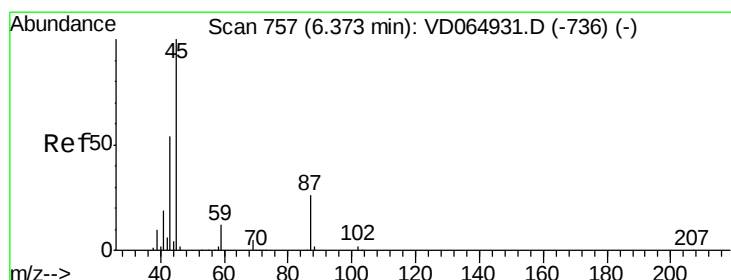
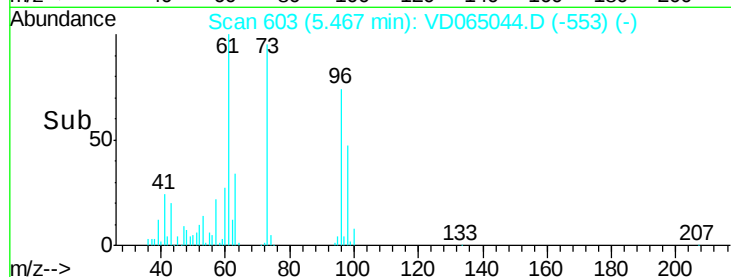
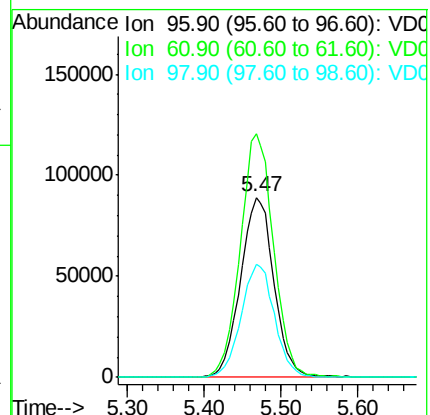
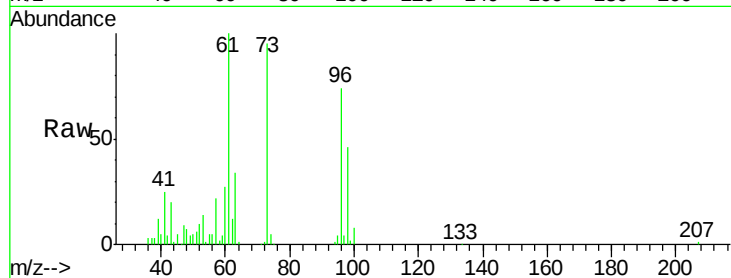
Tgt Ion: 96 Resp: 270457

Ion Ratio Lower Upper

96 100

61 135.4 110.4 165.6

98 62.9 50.5 75.7



#22

Diisopropyl ether

Concen: 51.34 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion: 45 Resp: 737286

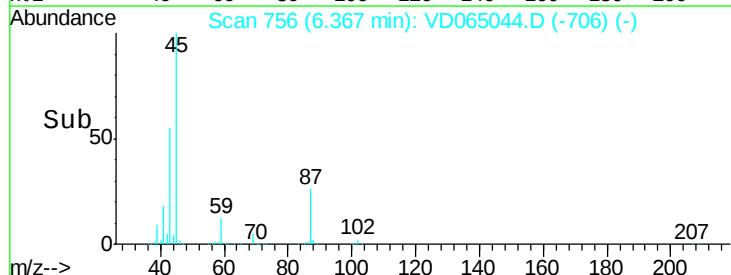
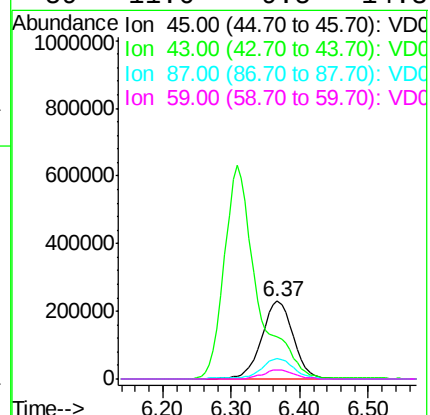
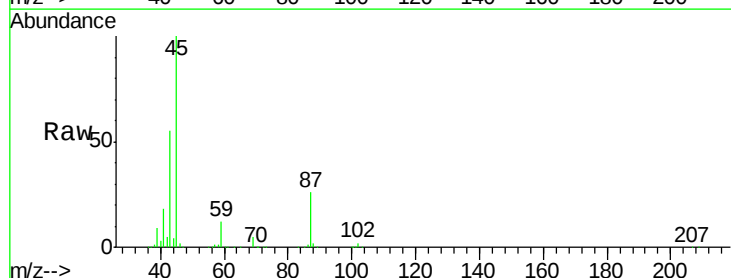
Ion Ratio Lower Upper

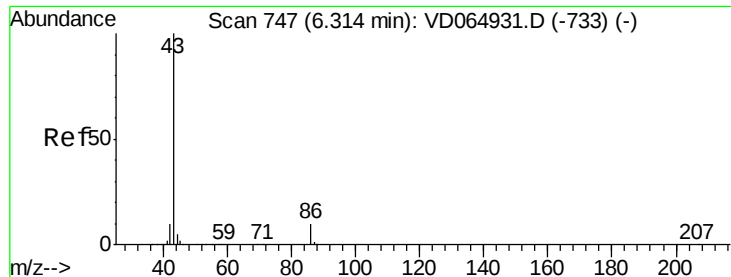
45 100

43 54.3 43.1 64.7

87 26.1 21.4 32.2

59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 248.52 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

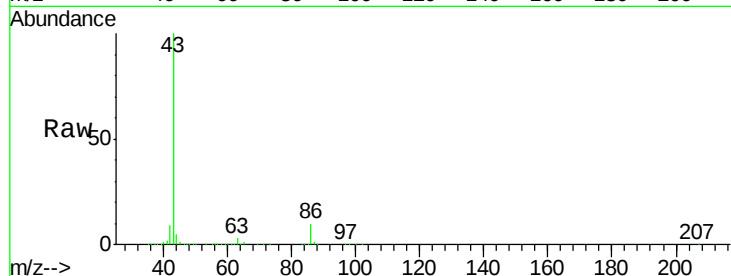
BFB

Tgt Ion: 43 Resp: 2089480

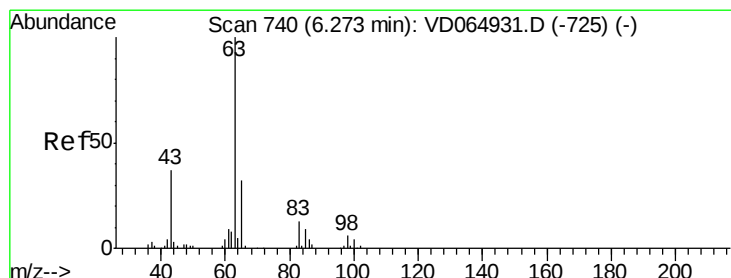
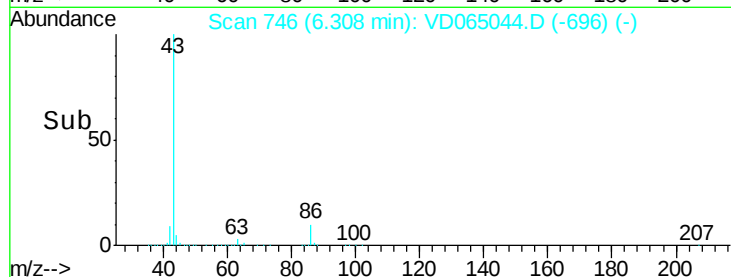
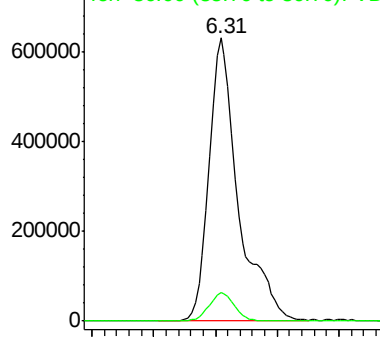
Ion Ratio Lower Upper

43 100

86 10.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.43 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

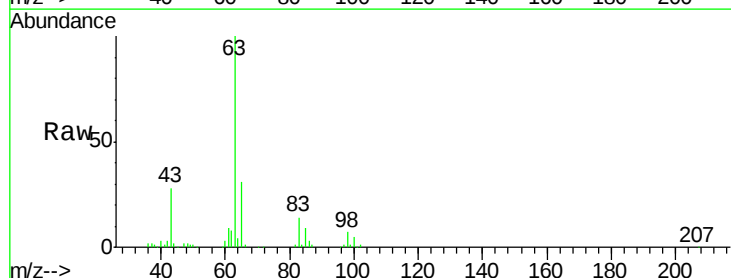
Tgt Ion: 63 Resp: 462290

Ion Ratio Lower Upper

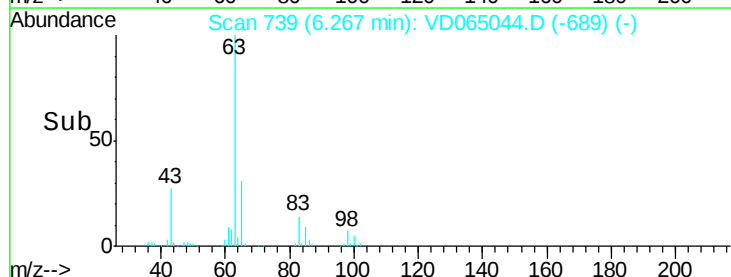
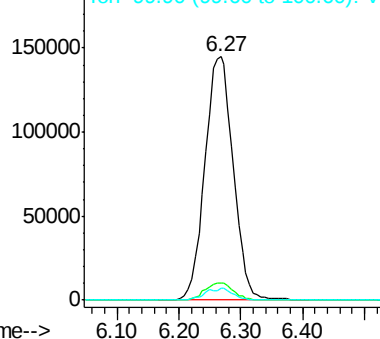
63 100

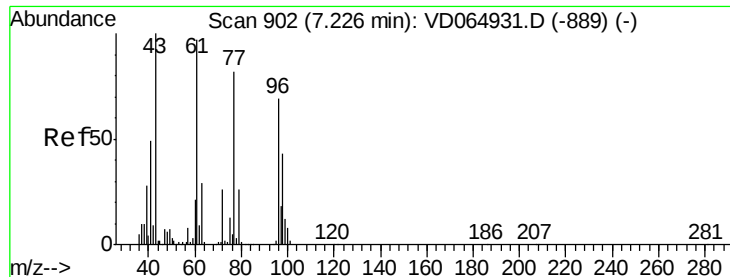
98 6.8 3.1 9.3

100 4.8 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

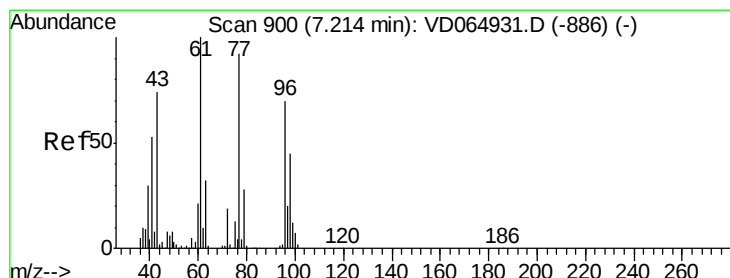
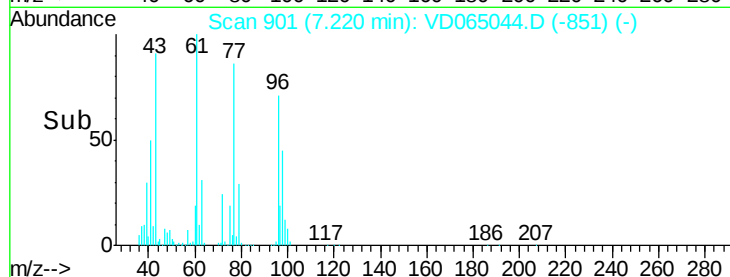
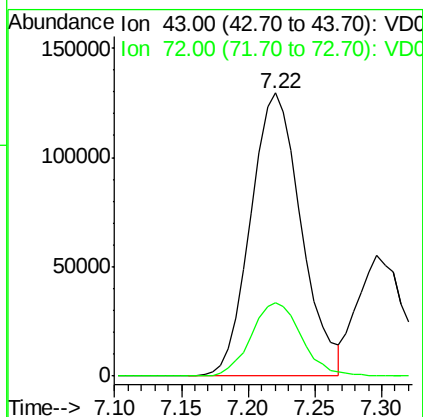
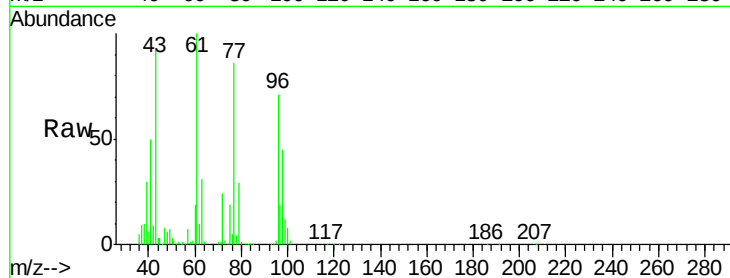




#25
2-Butanone
Concen: 253.28 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

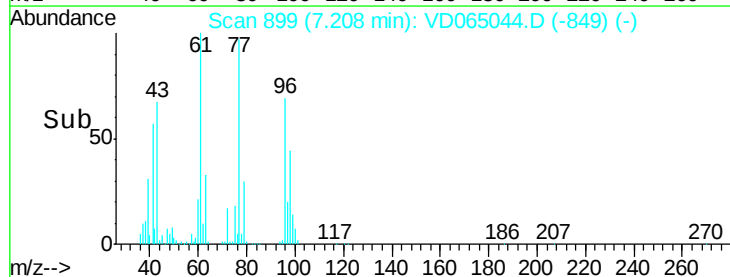
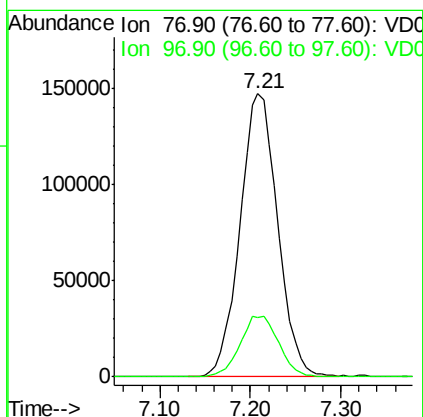
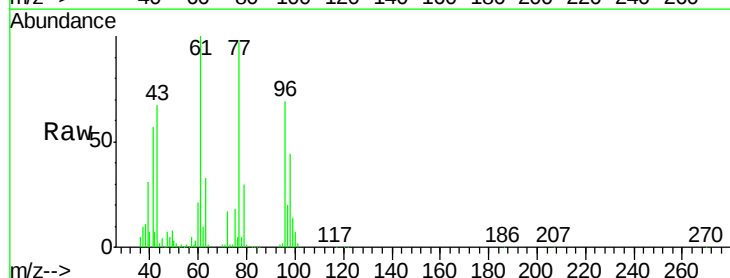
Instrument :
MSVOA_D
ClientSampleId :
BFB

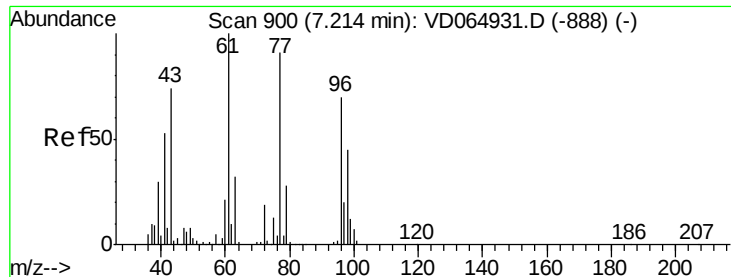
Tgt Ion: 43 Resp: 340659
Ion Ratio Lower Upper
43 100
72 25.9 20.6 31.0



#26
2,2-Dichloropropane
Concen: 53.09 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 77 Resp: 424561
Ion Ratio Lower Upper
77 100
97 22.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.32 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

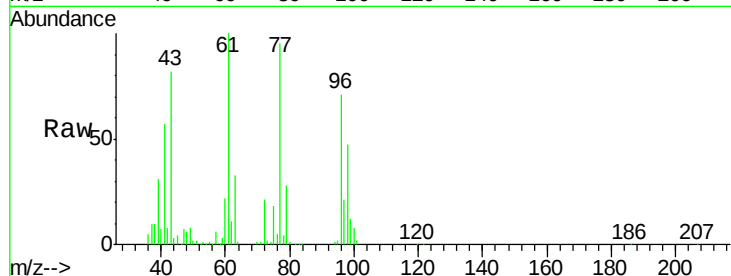
Tgt Ion: 96 Resp: 285091

Ion Ratio Lower Upper

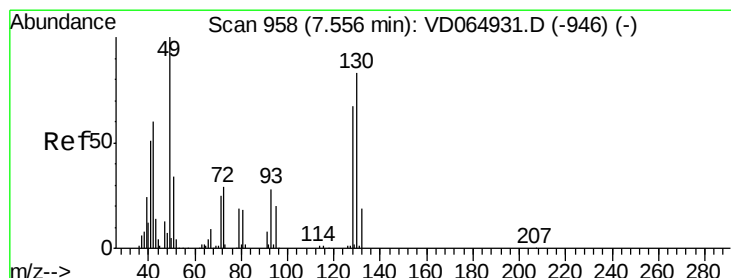
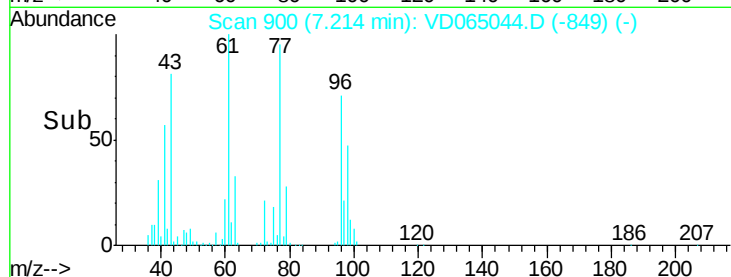
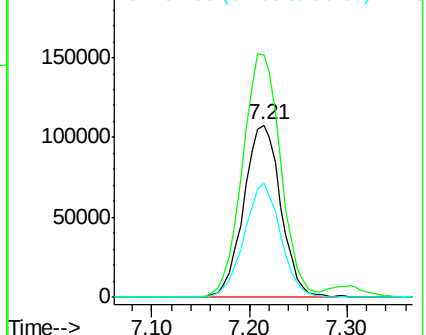
96 100

61 145.6 0.0 292.8

98 65.2 0.0 130.0



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



#28

Bromochloromethane

Concen: 51.04 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

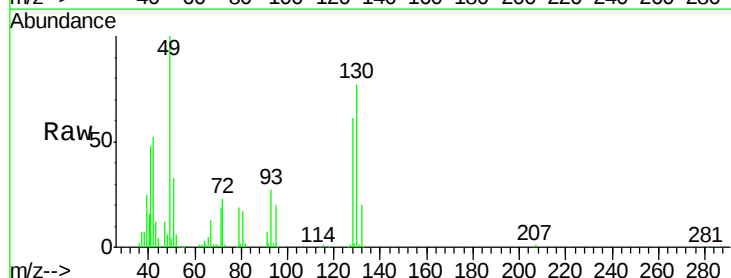
Tgt Ion: 49 Resp: 179956

Ion Ratio Lower Upper

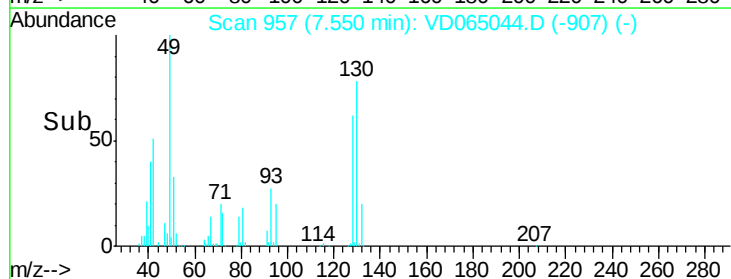
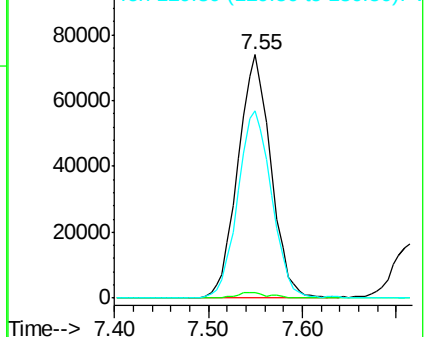
49 100

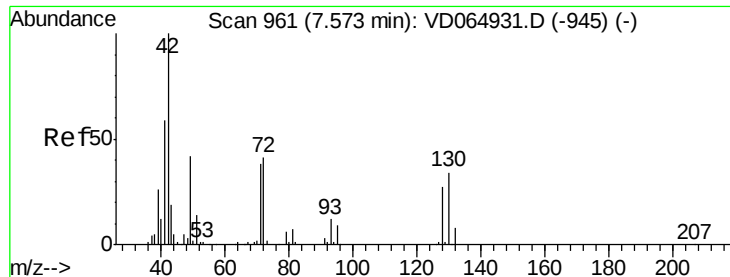
129 2.2 0.0 4.4

130 78.8 63.8 95.8



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





#29

Tetrahydrofuran

Concen: 226.12 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

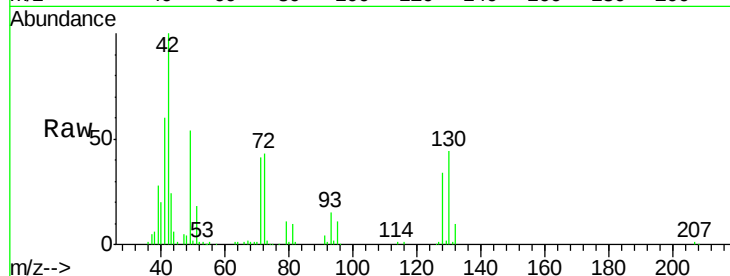
Tgt Ion: 42 Resp: 187647

Ion Ratio Lower Upper

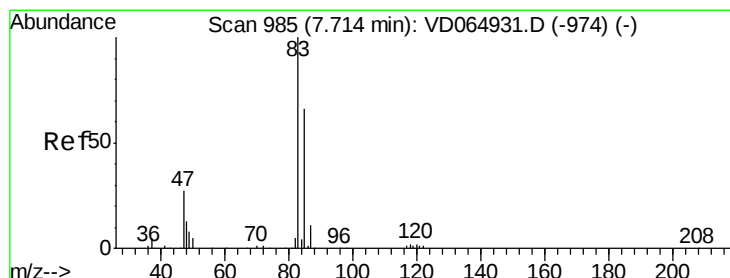
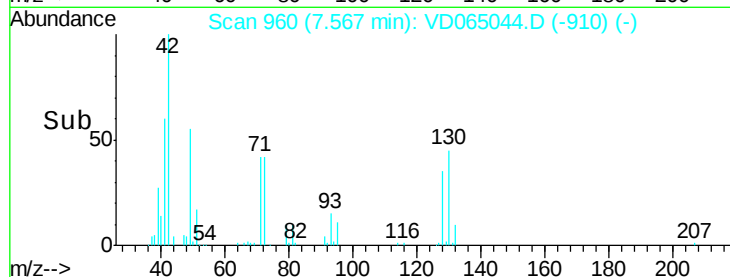
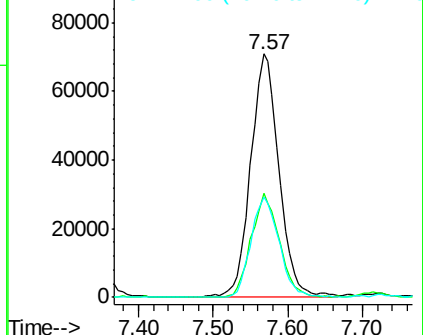
42 100

72 42.3 34.0 51.0

71 40.9 31.5 47.3



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



#30

Chloroform

Concen: 51.15 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065044.D

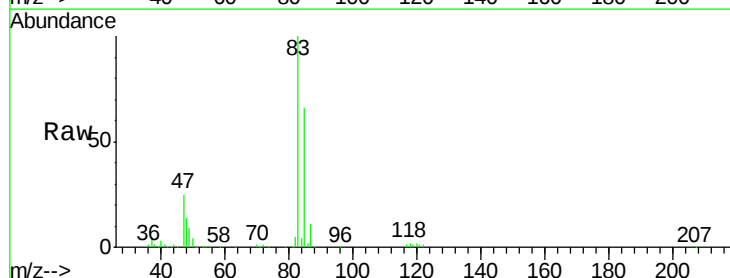
Acq: 03 Feb 2020 10:08

Tgt Ion: 83 Resp: 466223

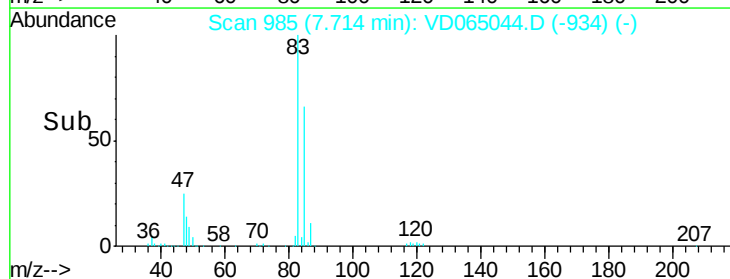
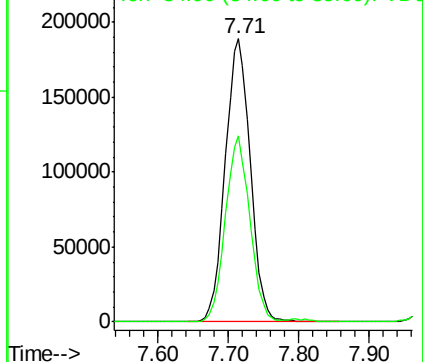
Ion Ratio Lower Upper

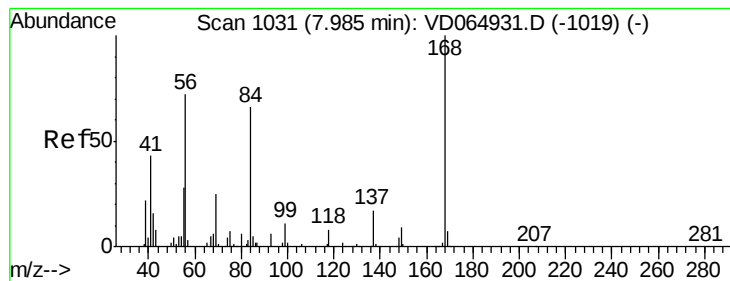
83 100

85 65.7 52.4 78.6



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





#31

Cyclohexane

Concen: 50.49 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

BFB

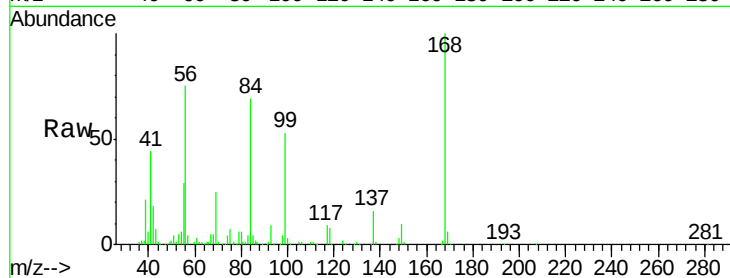
Tgt Ion: 56 Resp: 437946

Ion Ratio Lower Upper

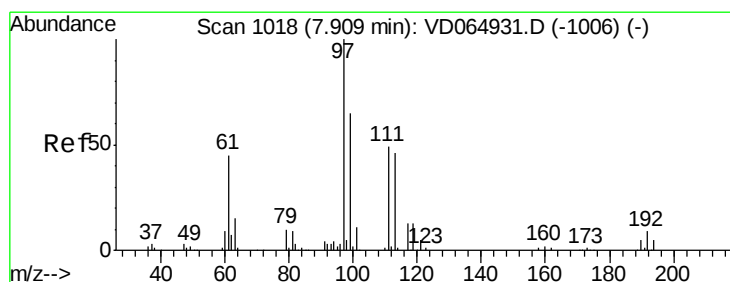
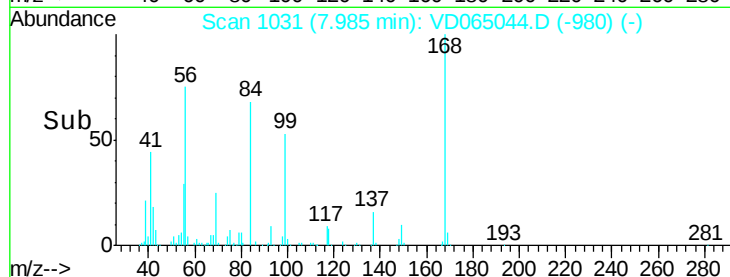
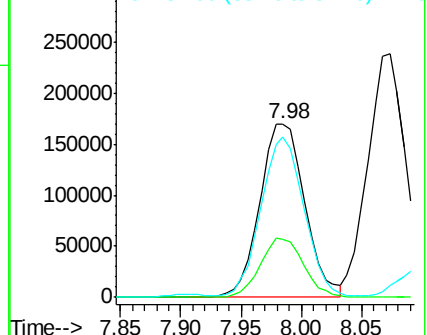
56 100

69 33.7 27.9 41.9

84 90.7 72.8 109.2



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



#32

1,1,1-Trichloroethane

Concen: 51.66 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

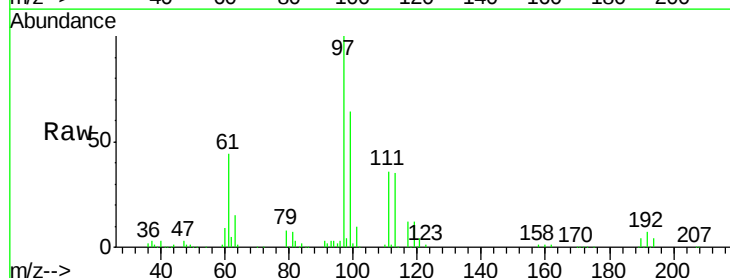
Tgt Ion: 97 Resp: 438044

Ion Ratio Lower Upper

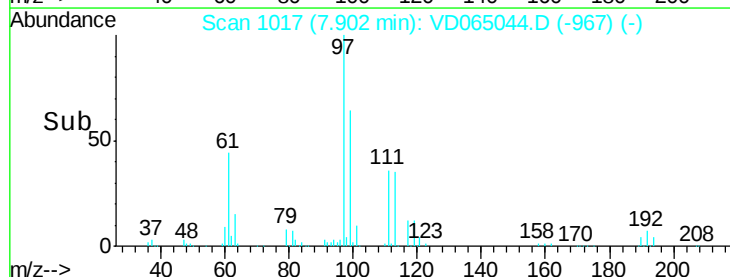
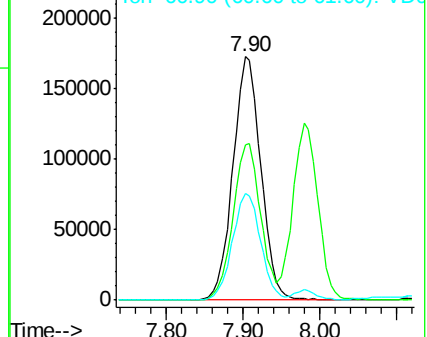
97 100

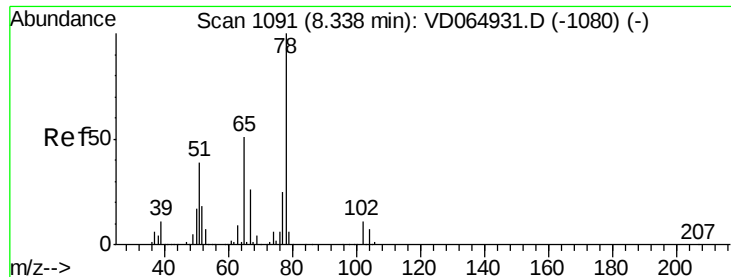
99 63.4 50.6 76.0

61 44.3 35.7 53.5



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





#33

1,2-Dichloroethane-d4

Concen: 48.65 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

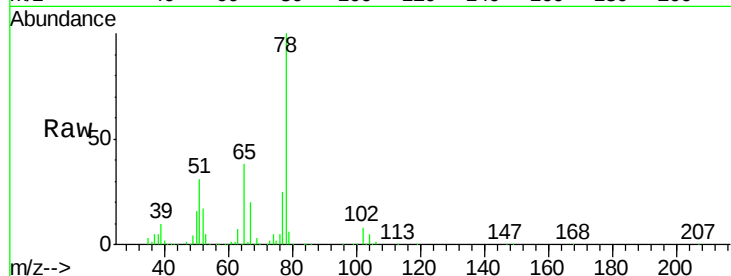
BFB

Tgt Ion: 65 Resp: 242184

Ion Ratio Lower Upper

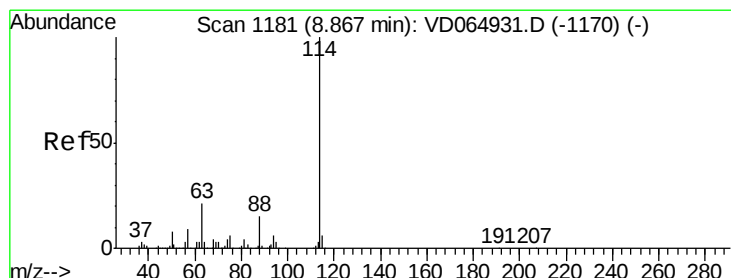
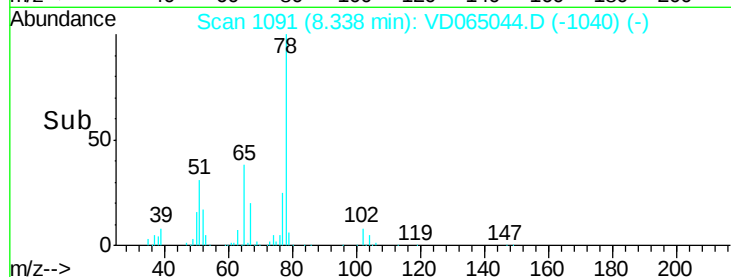
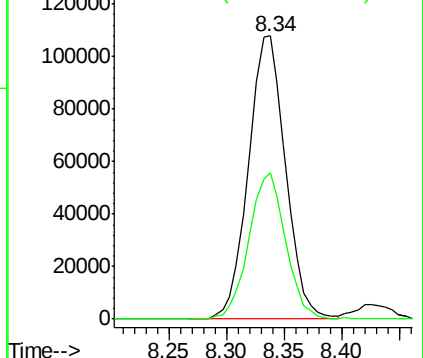
65 100

67 51.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

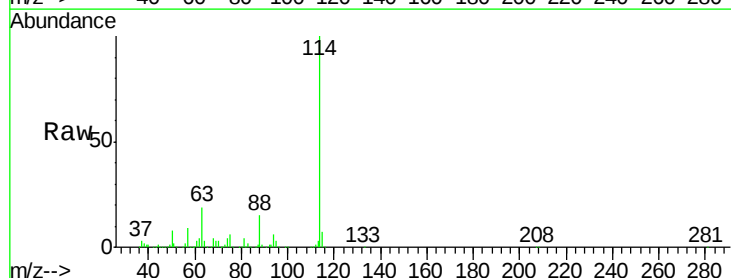
Tgt Ion: 114 Resp: 749402

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.0

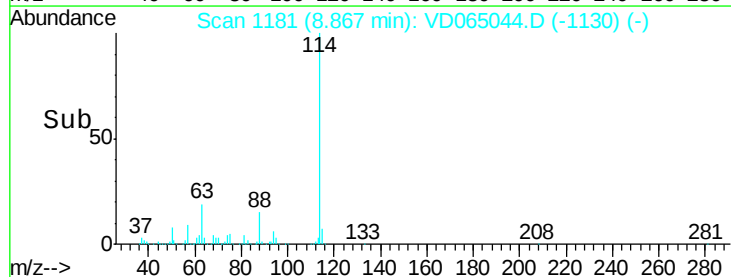
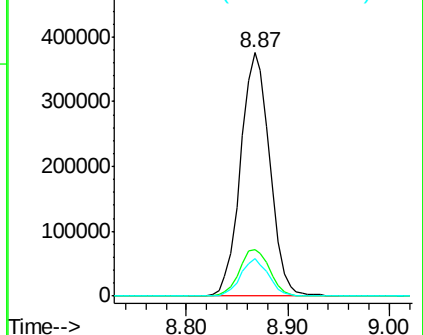
88 15.2 0.0 29.4

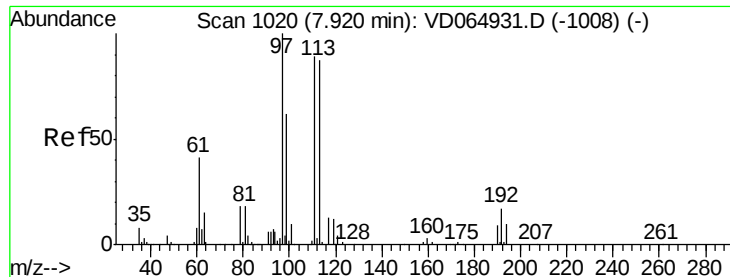


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

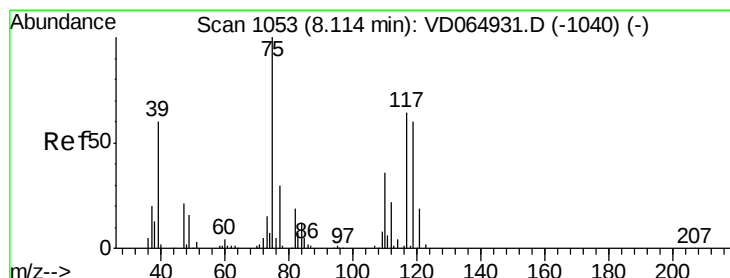
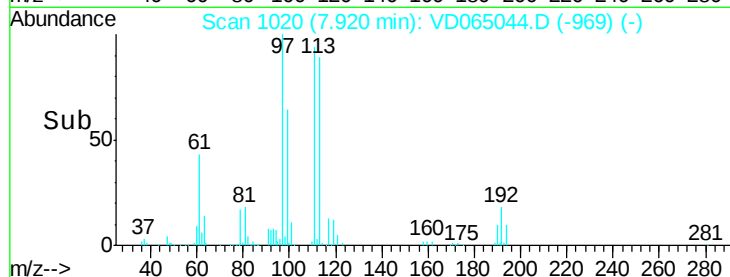
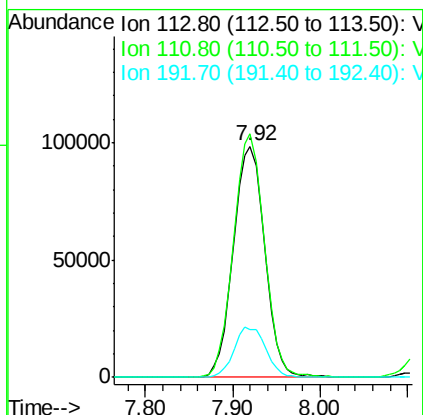
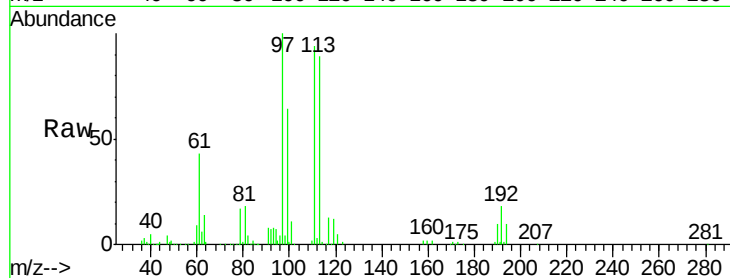




#35
 Dibromofluoromethane
 Concen: 50.98 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

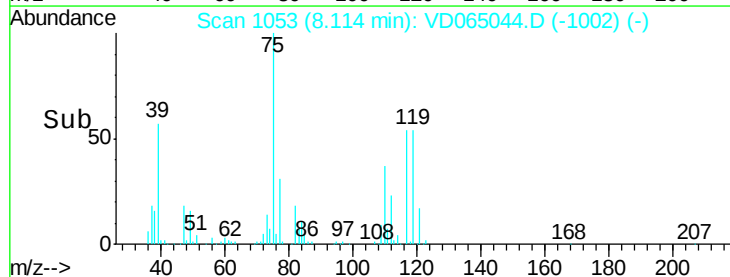
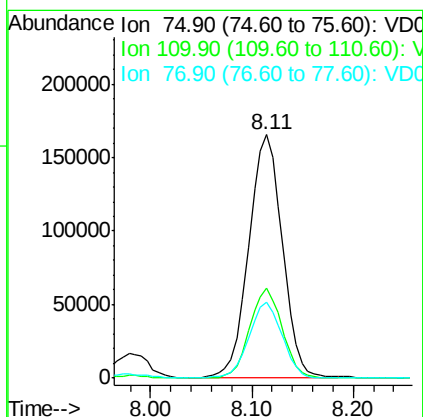
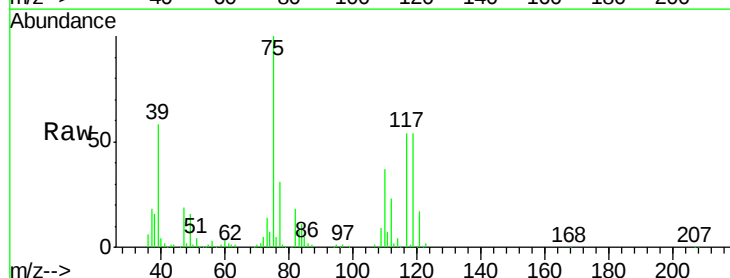
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

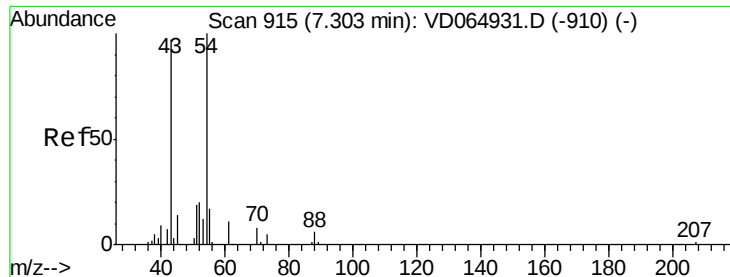
Tgt Ion: 113 Resp: 240077
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.4 123.6
 192 21.8 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 52.80 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion: 75 Resp: 381572
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.3 52.0
 77 30.9 24.7 37.1

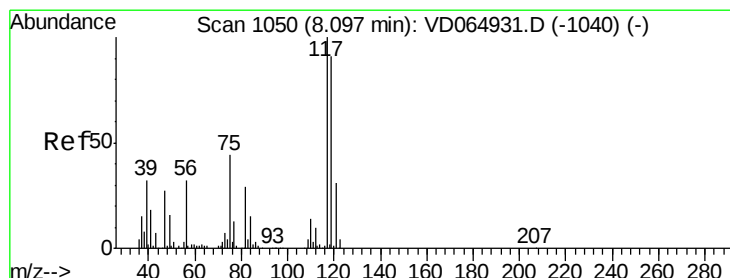
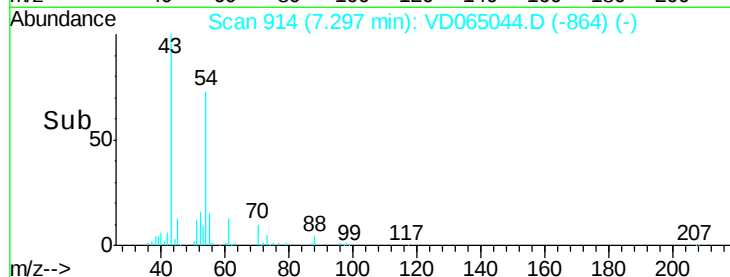
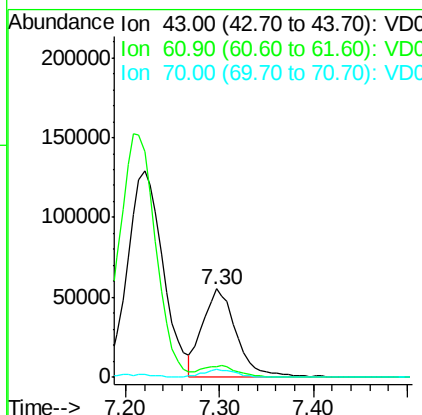
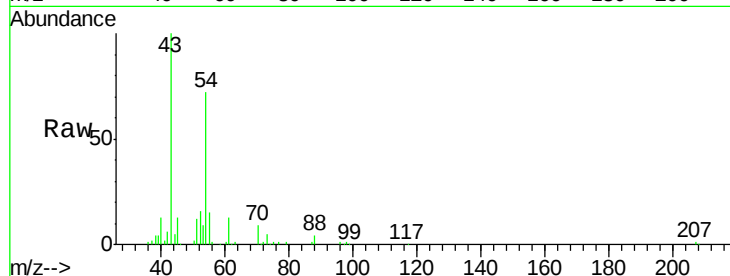




#37
Ethyl Acetate
Concen: 45.99 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

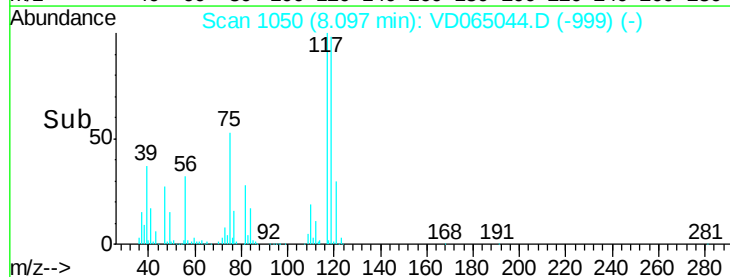
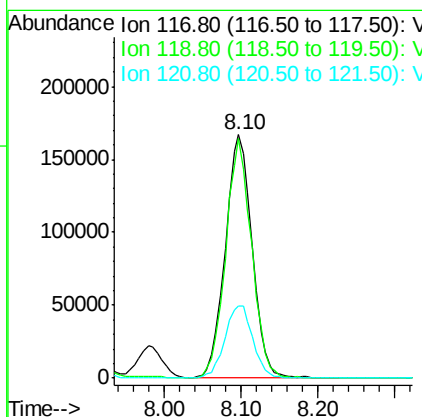
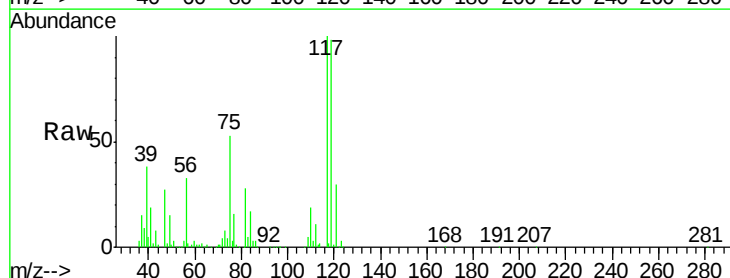
Instrument :
MSVOA_D
ClientSampleId :
BFB

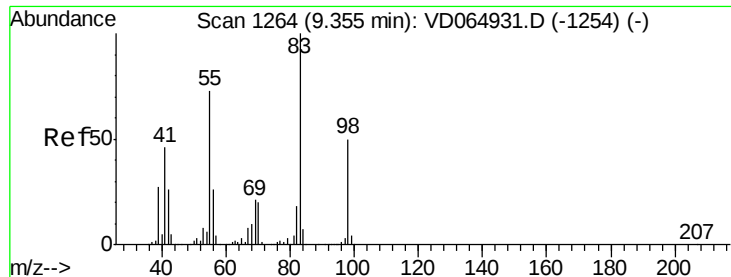
Tgt Ion: 43 Resp: 137265
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 9.0 7.5 11.3



#38
Carbon Tetrachloride
Concen: 53.03 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 117 Resp: 405052
Ion Ratio Lower Upper
117 100
119 98.3 73.2 109.8
121 29.7 24.4 36.6

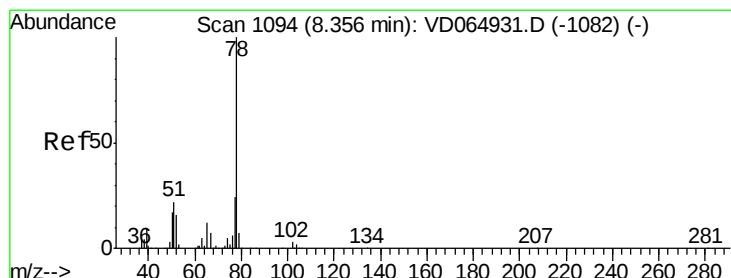
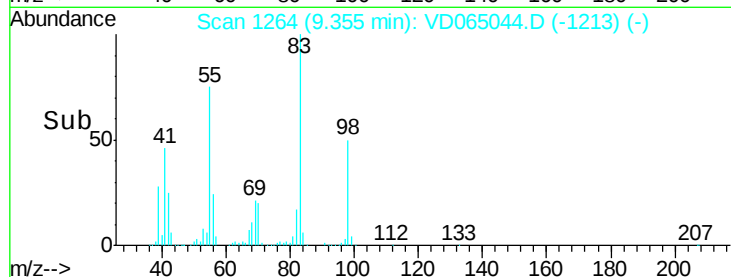
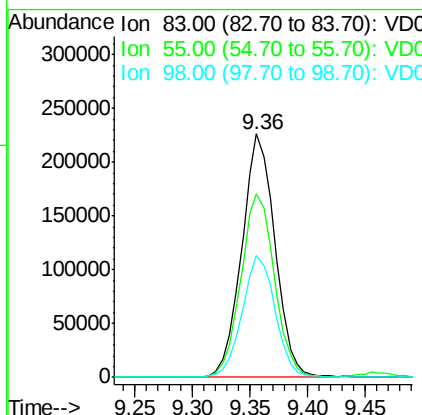
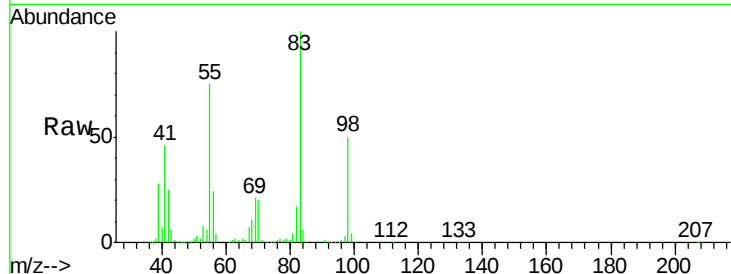




#39
Methylcyclohexane
Concen: 53.55 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

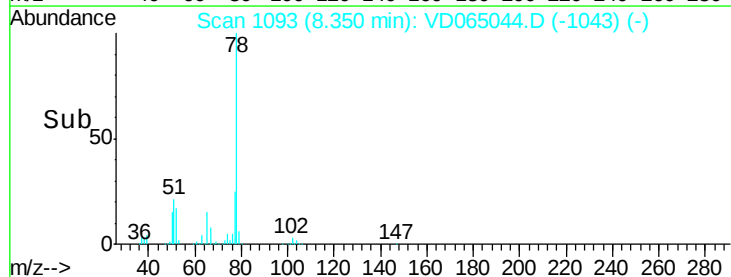
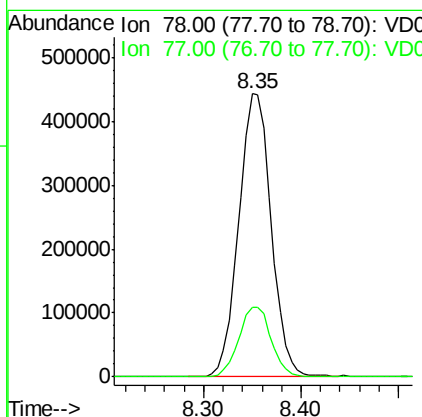
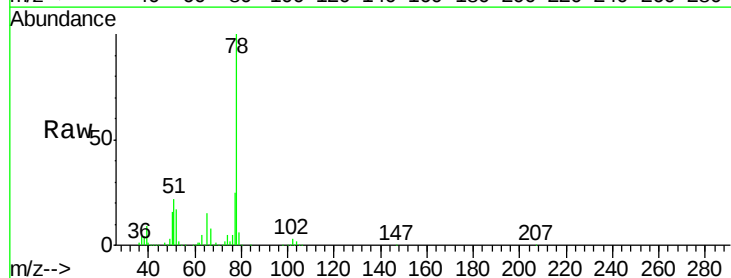
Instrument :
MSVOA_D
ClientSampleId :
BFB

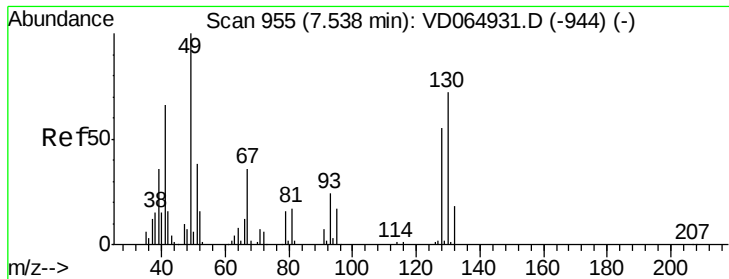
Tgt Ion: 83 Resp: 452433
Ion Ratio Lower Upper
83 100
55 75.2 58.7 88.1
98 49.9 40.2 60.2



#40
Benzene
Concen: 51.76 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 78 Resp: 1030242
Ion Ratio Lower Upper
78 100
77 24.6 19.2 28.8





#41

Methacrylonitrile

Concen: 119.92 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.04 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 192828

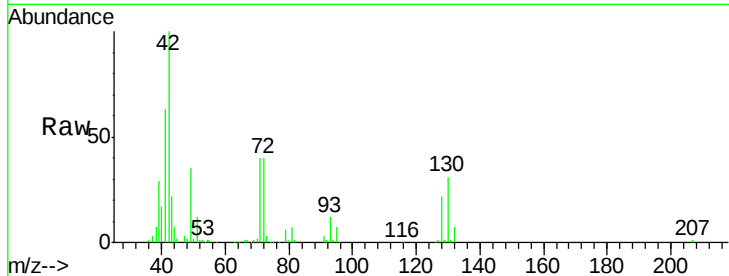
Ion Ratio Lower Upper

41 100

39 0.0 49.3 73.9#

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#

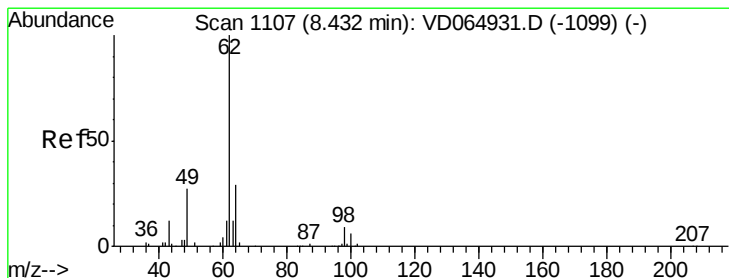
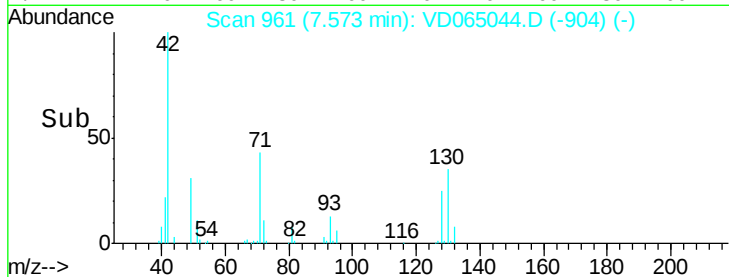
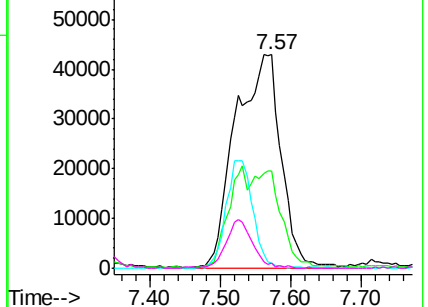


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.86 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065044.D

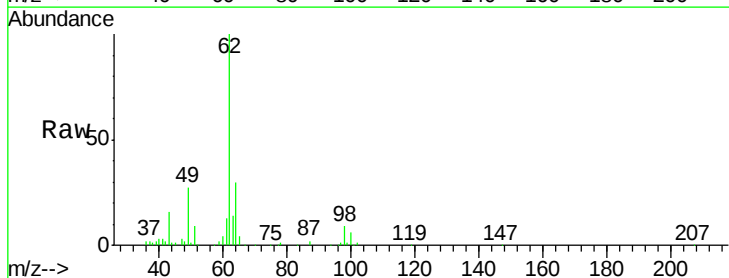
Acq: 03 Feb 2020 10:08

Tgt Ion: 62 Resp: 289700

Ion Ratio Lower Upper

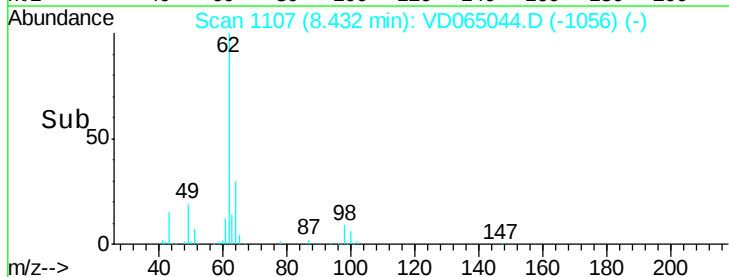
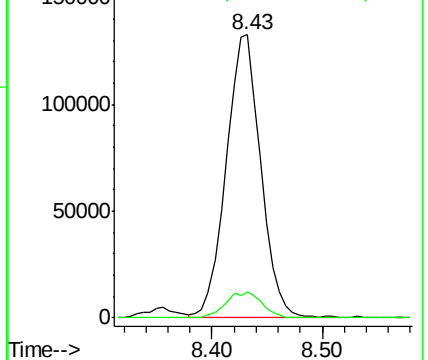
62 100

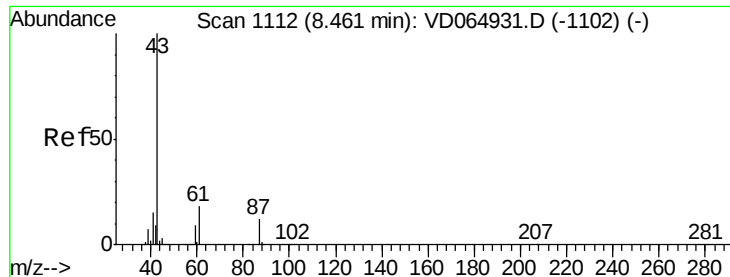
98 9.7 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 46.26 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

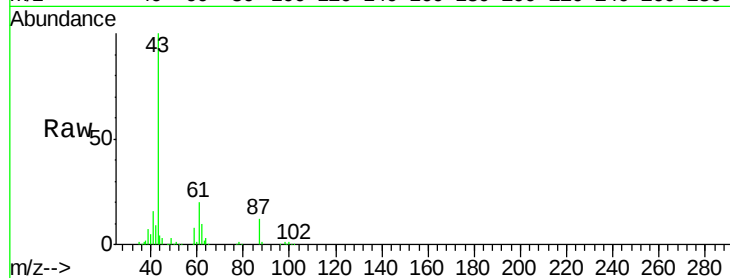
Tgt Ion: 43 Resp: 262313

Ion Ratio Lower Upper

43 100

61 31.3 23.8 35.6

87 12.6 10.3 15.5



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

150000

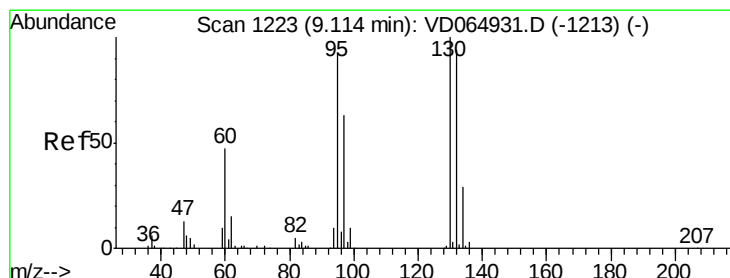
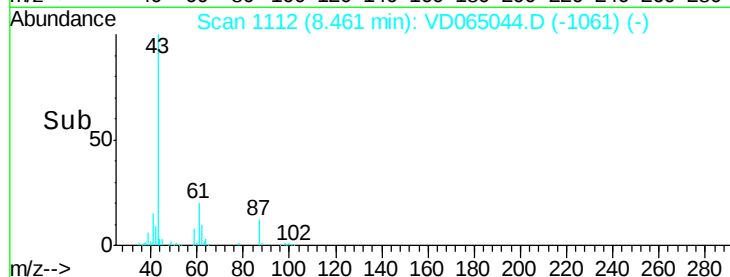
100000

50000

0

8.40 8.46 8.50

Time-->



#44

Trichloroethene

Concen: 51.91 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065044.D

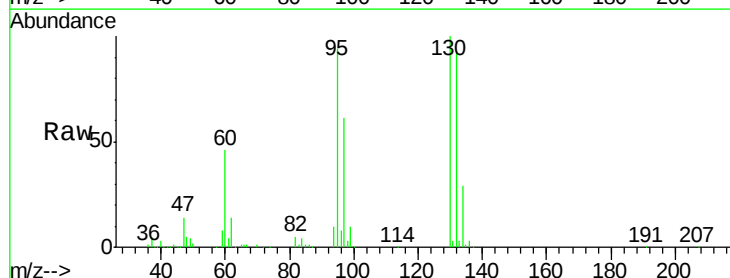
Acq: 03 Feb 2020 10:08

Tgt Ion: 130 Resp: 289166

Ion Ratio Lower Upper

130 100

95 93.6 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

150000

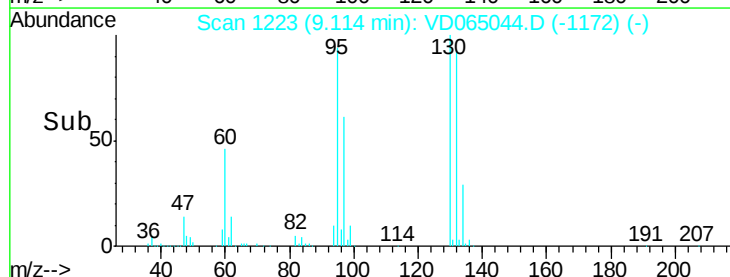
100000

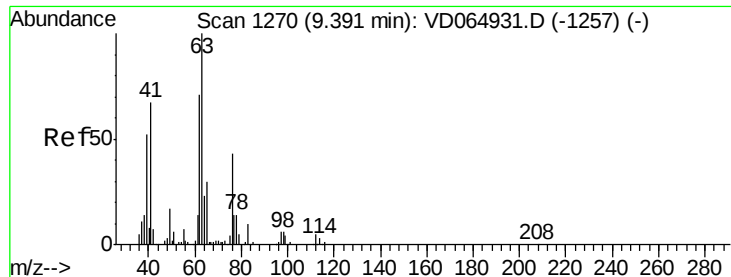
50000

0

9.00 9.10 9.11 9.20

Time-->





#45

1,2-Dichloropropane

Concen: 51.89 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

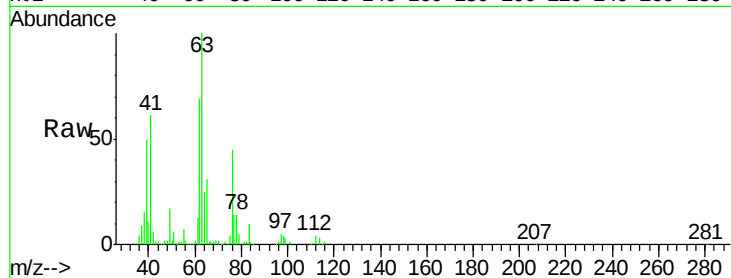
BFB

Tgt Ion: 63 Resp: 250345

Ion Ratio Lower Upper

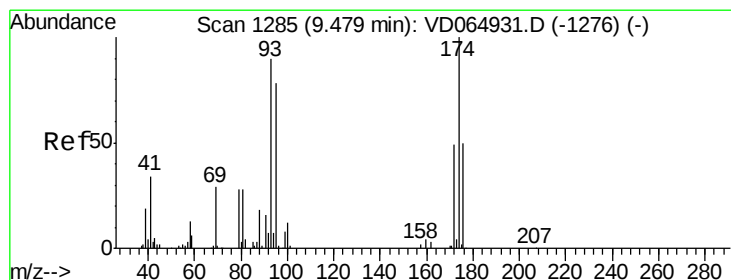
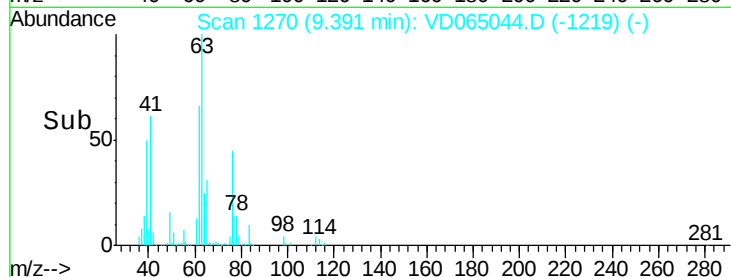
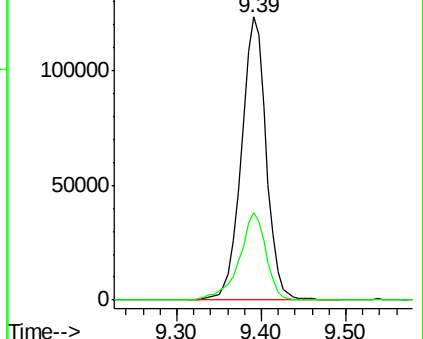
63 100

65 30.9 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.79 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

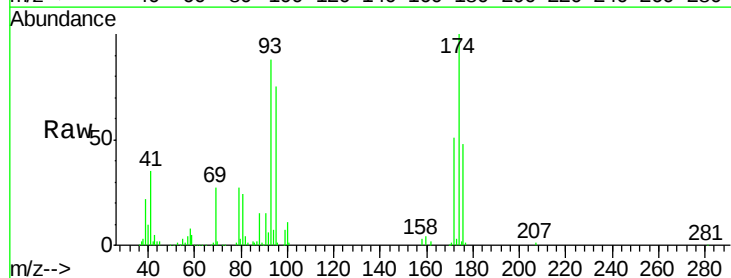
Tgt Ion: 93 Resp: 125898

Ion Ratio Lower Upper

93 100

95 83.9 67.5 101.3

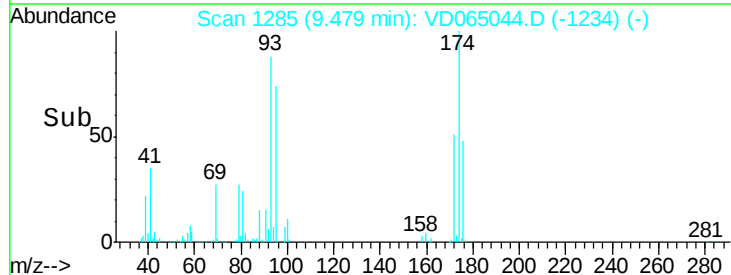
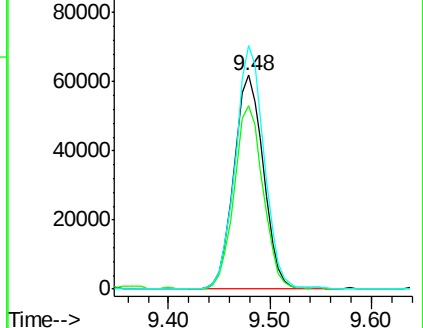
174 111.1 88.4 132.6

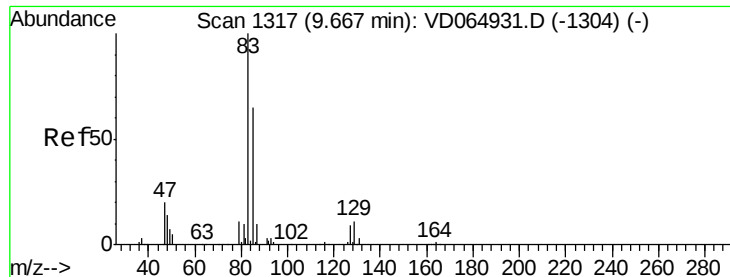


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.00 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

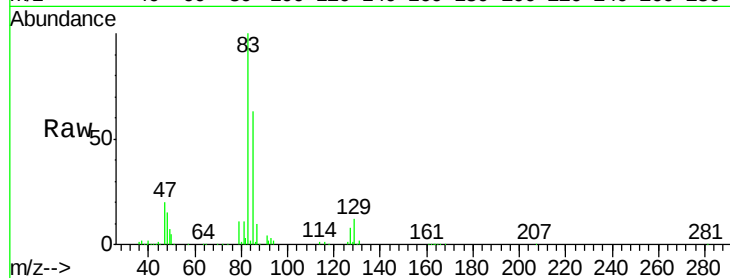
Tgt Ion: 83 Resp: 349593

Ion Ratio Lower Upper

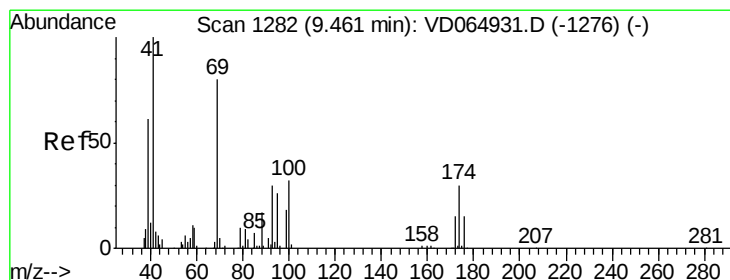
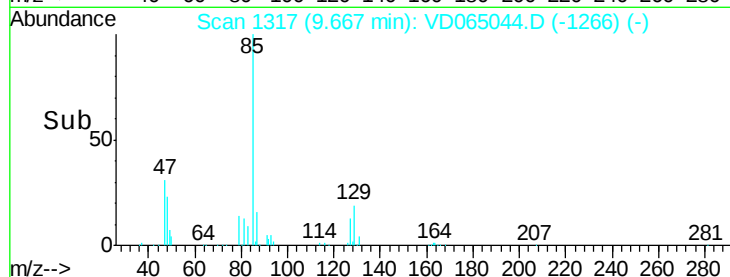
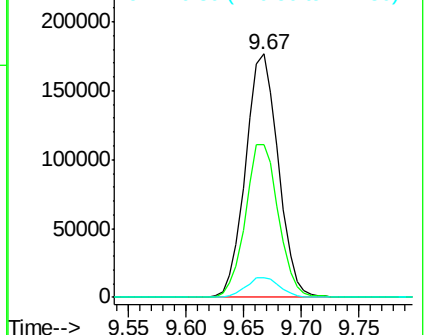
83 100

85 62.8 52.0 78.0

127 8.3 7.3 10.9



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



#48

Methyl methacrylate

Concen: 48.74 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

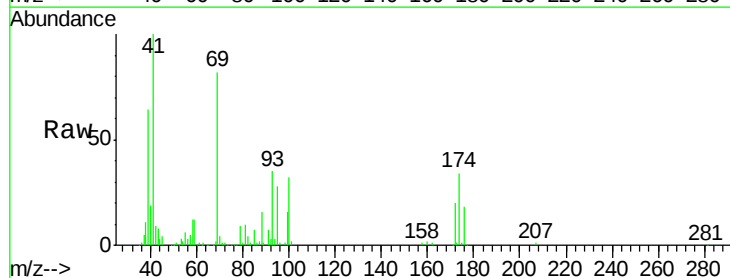
Tgt Ion: 41 Resp: 127180

Ion Ratio Lower Upper

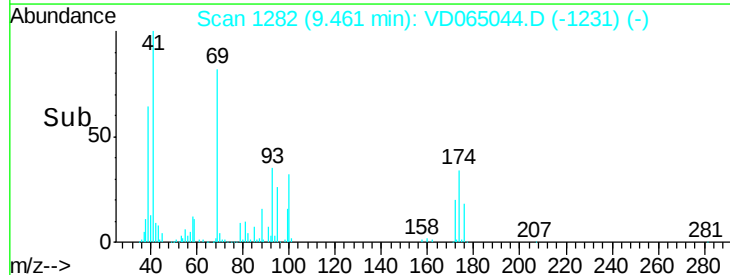
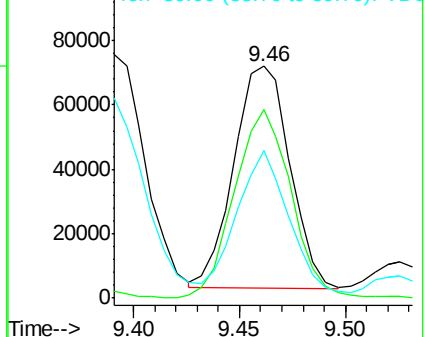
41 100

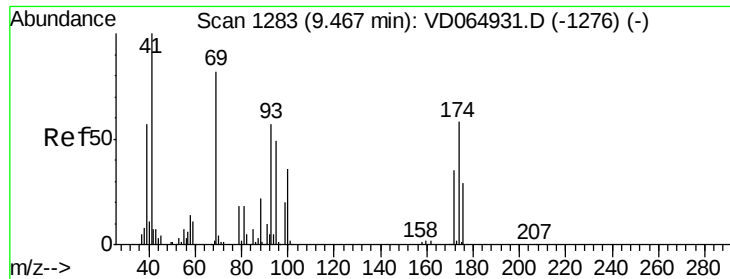
69 85.5 65.8 98.8

39 57.7 49.4 74.0



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: 928.21 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

BFB

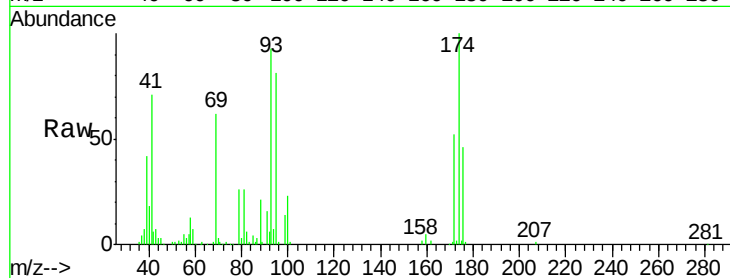
Tgt Ion: 88 Resp: 28357

Ion Ratio Lower Upper

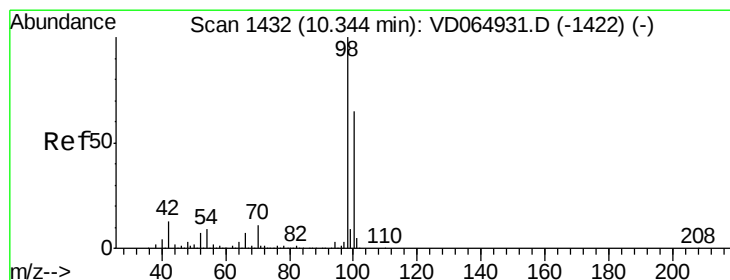
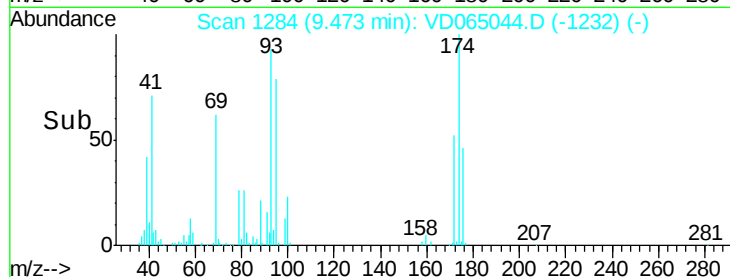
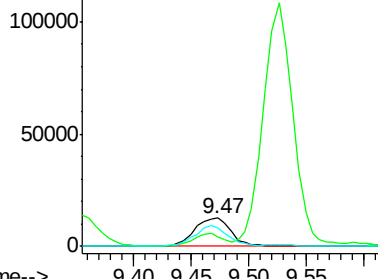
88 100

43 33.4 26.2 39.4

58 65.4 50.3 75.5



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



#50

Toluene-d8

Concen: 51.35 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065044.D

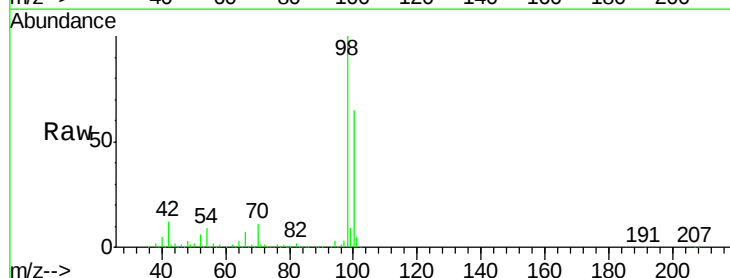
Acq: 03 Feb 2020 10:08

Tgt Ion: 98 Resp: 933331

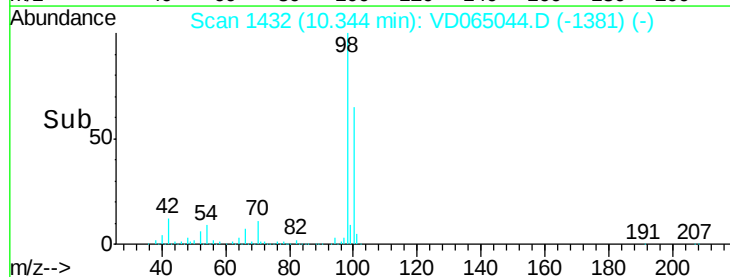
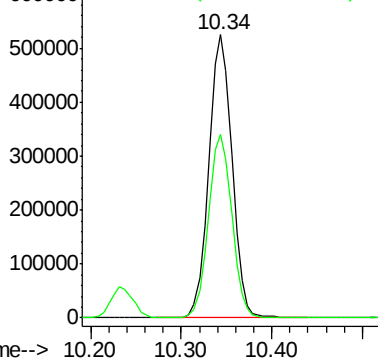
Ion Ratio Lower Upper

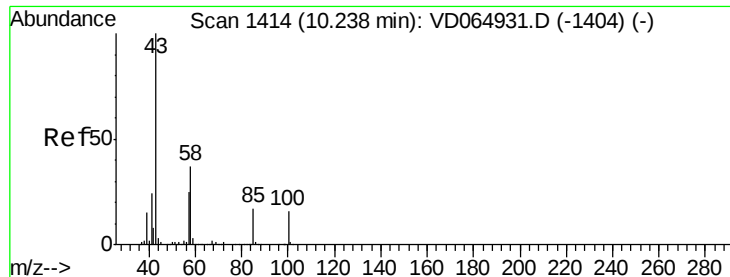
98 100

100 65.4 52.3 78.5



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

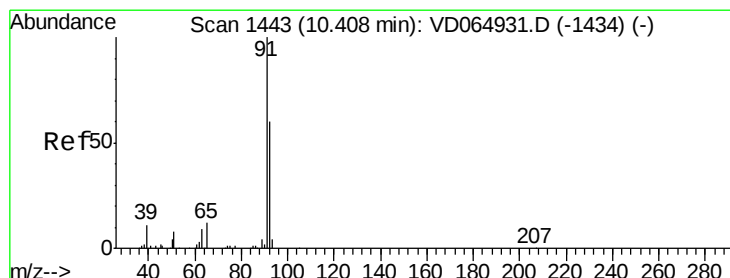
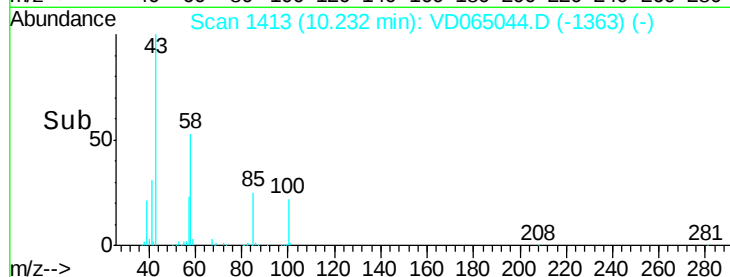
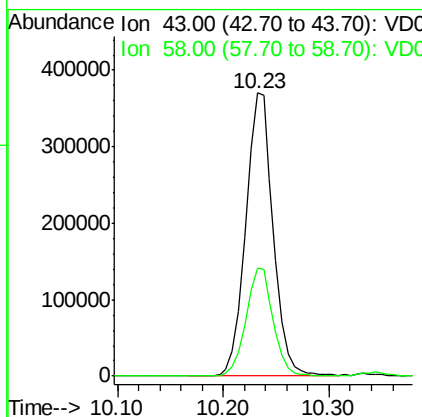
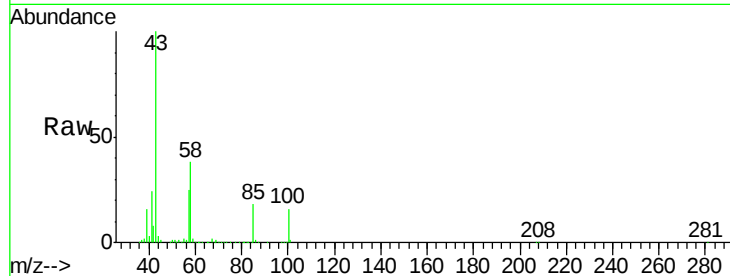




#51
 4-Methyl-2-Pentanone
 Concen: 235.15 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

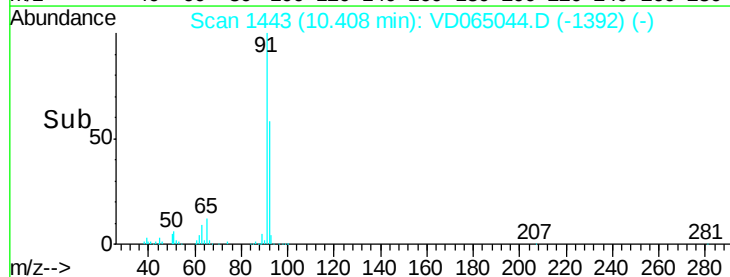
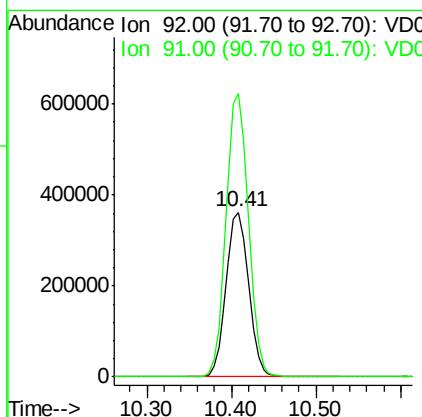
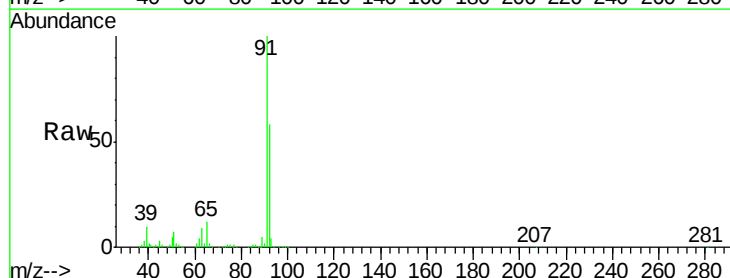
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

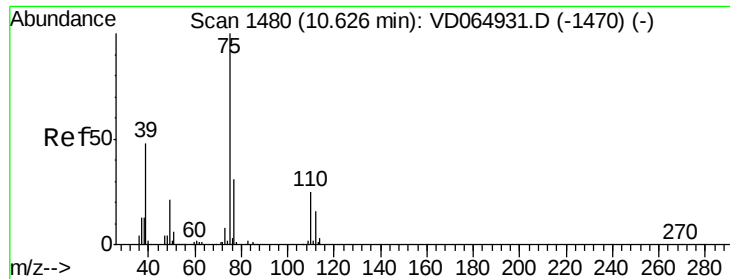
Tgt Ion: 43 Resp: 667116
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.4 45.6



#52
 Toluene
 Concen: 51.90 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion: 92 Resp: 665951
 Ion Ratio Lower Upper
 92 100
 91 171.2 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 50.25 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

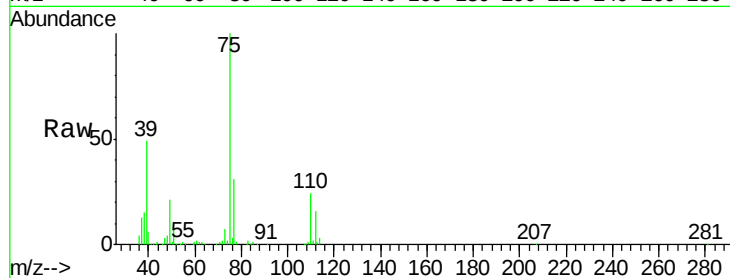
BFB

Tgt Ion: 75 Resp: 328062

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

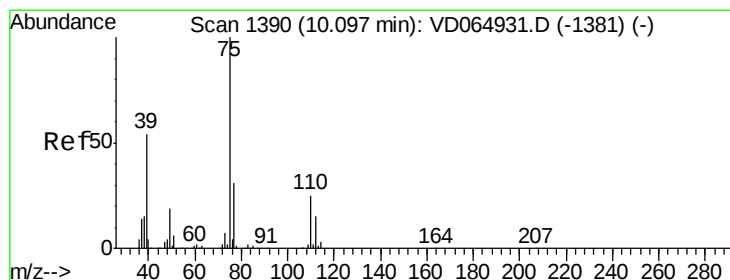
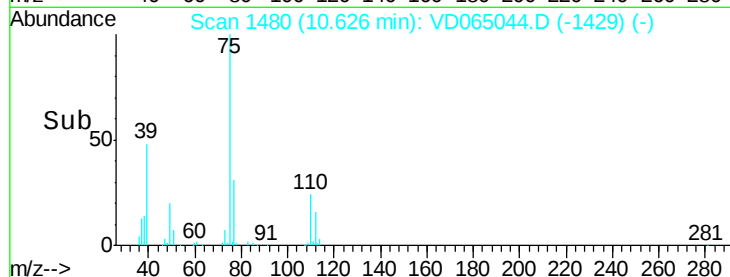
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.20 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

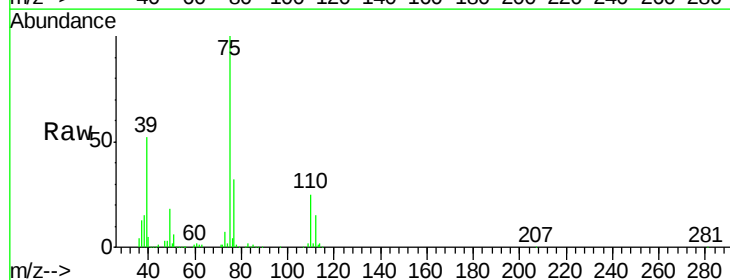
Tgt Ion: 75 Resp: 391400

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 51.5 43.0 64.6



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

10.09

250000

200000

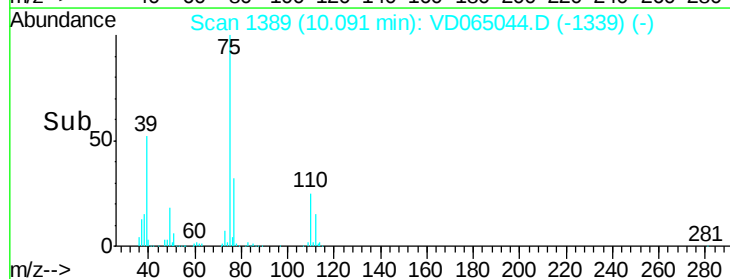
150000

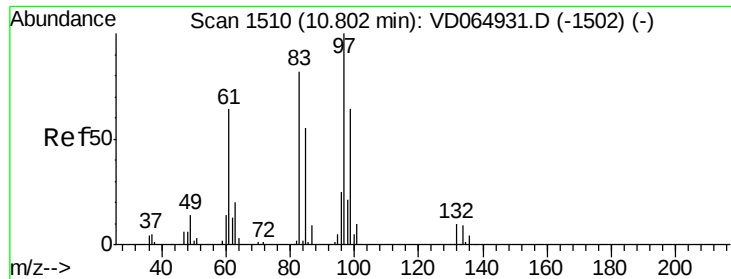
100000

50000

0

Time-->

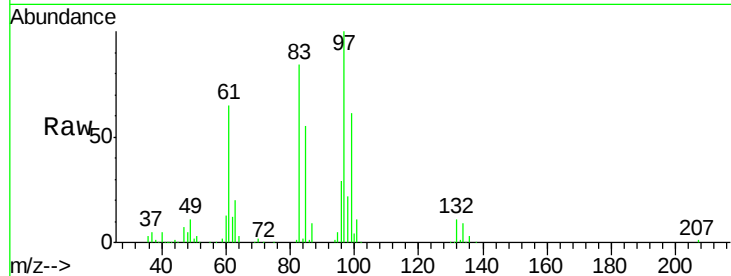




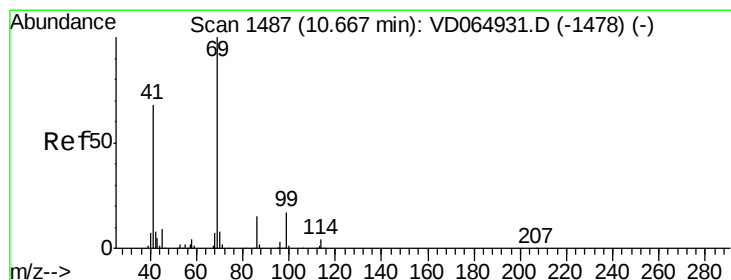
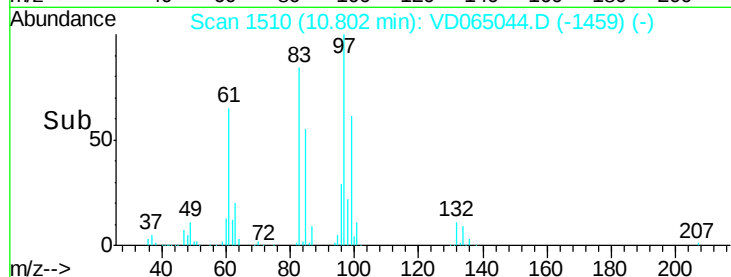
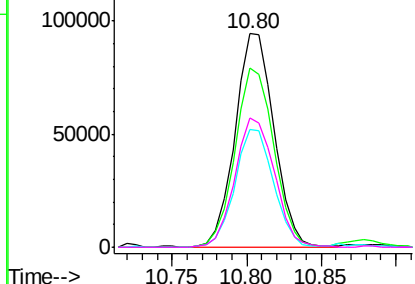
#55
 1,1,2-Trichloroethane
 Concen: 48.47 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:	97	Resp:	171996
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.0	99.0
85	55.2	44.4	66.6
99	60.8	51.4	77.0

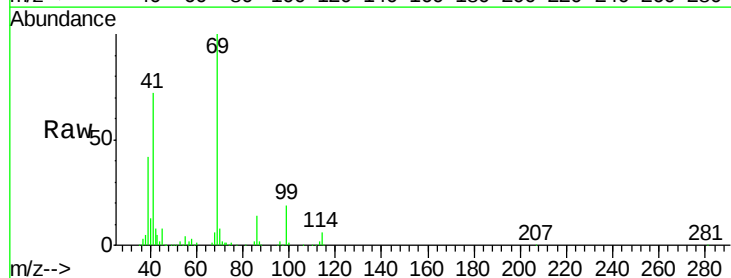


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

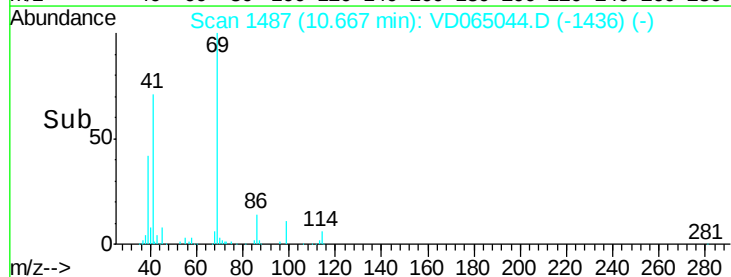
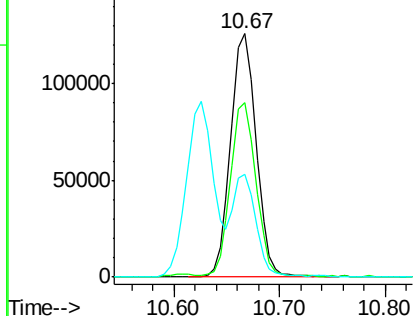


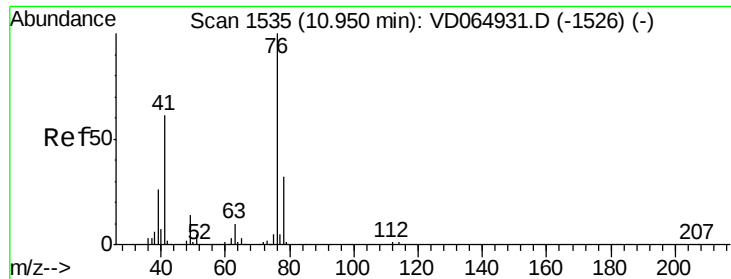
#56
 Ethyl methacrylate
 Concen: 49.79 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion:	69	Resp:	211246
Ion	Ratio	Lower	Upper
69	100		
41	71.2	56.4	84.6
39	37.1	30.6	46.0



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

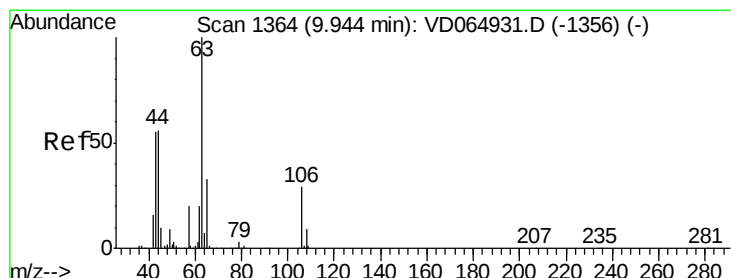
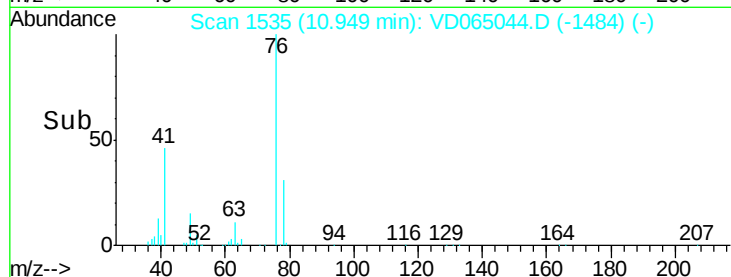
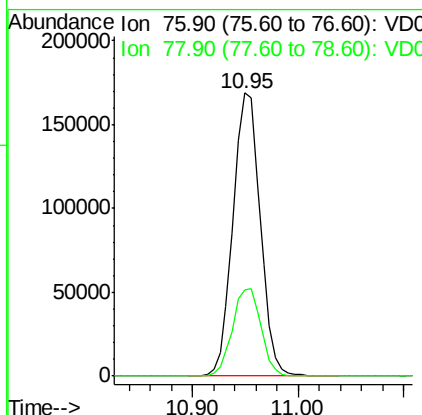
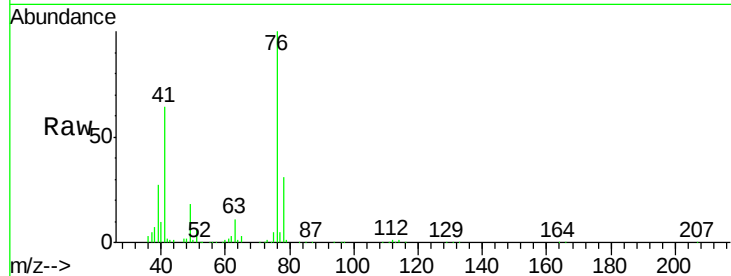




#57
 1,3-Dichloropropane
 Concen: 49.46 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

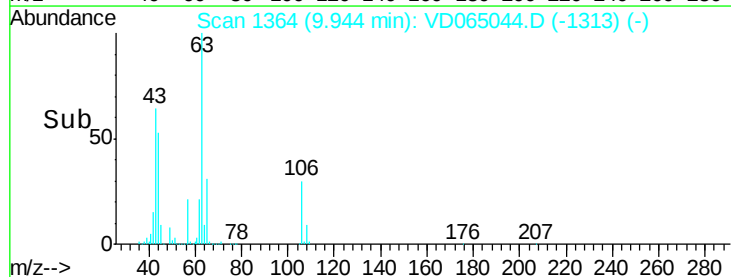
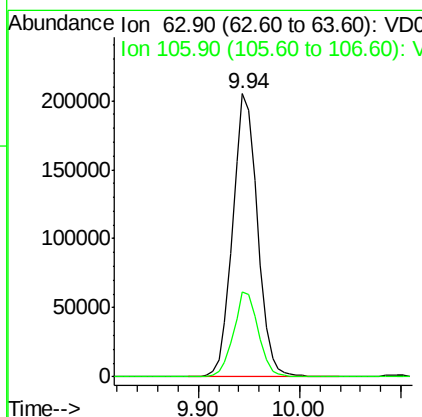
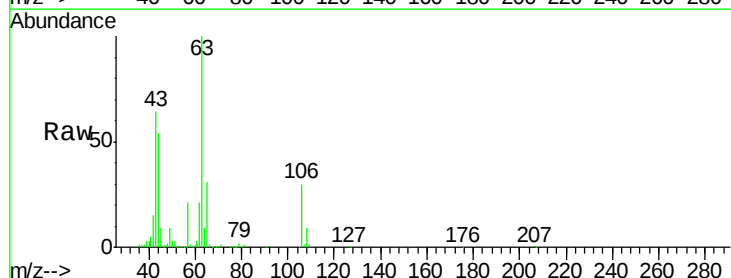
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

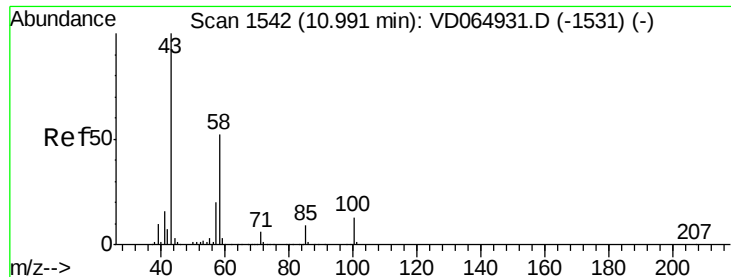
Tgt Ion: 76 Resp: 300975
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.78 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion: 63 Resp: 349281
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.0 34.4

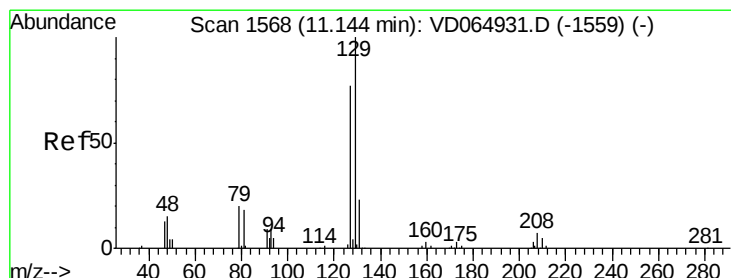
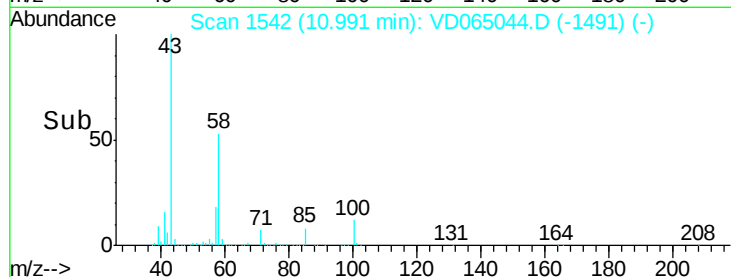
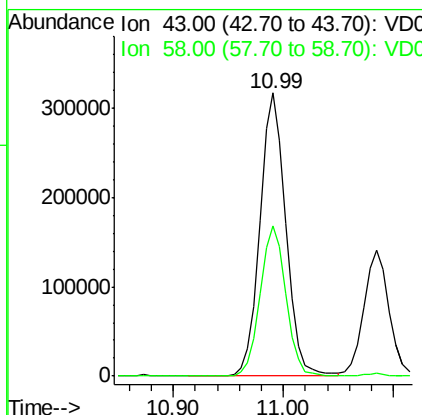
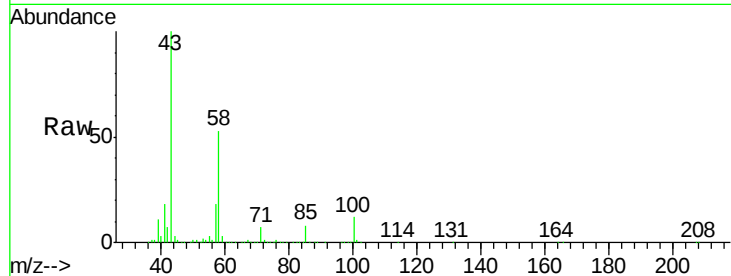




#59
2-Hexanone
Concen: 266.83 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

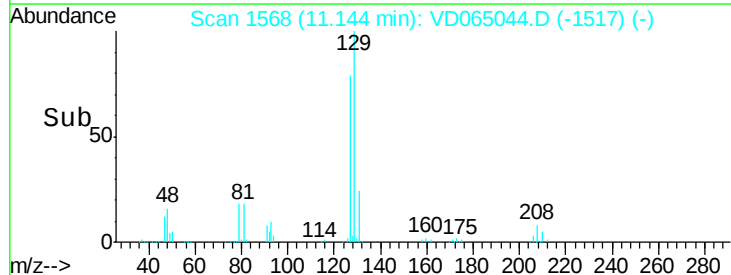
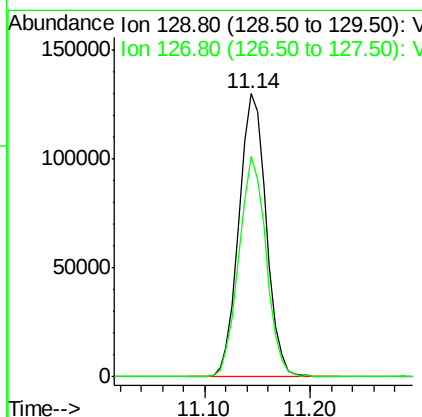
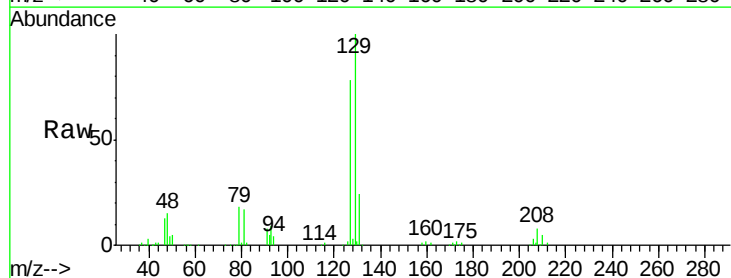
Instrument :
MSVOA_D
ClientSampleId :
BFB

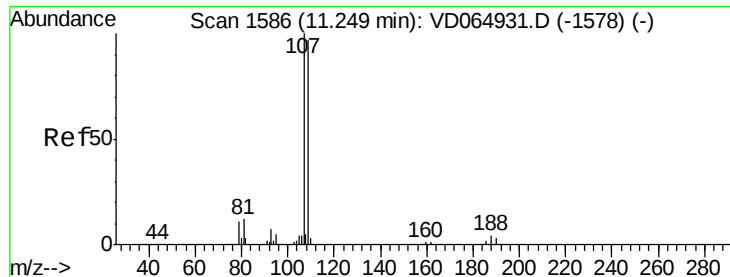
Tgt Ion: 43 Resp: 522158
Ion Ratio Lower Upper
43 100
58 52.8 26.5 79.4



#60
Dibromochloromethane
Concen: 49.14 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 129 Resp: 233034
Ion Ratio Lower Upper
129 100
127 77.8 38.2 114.6

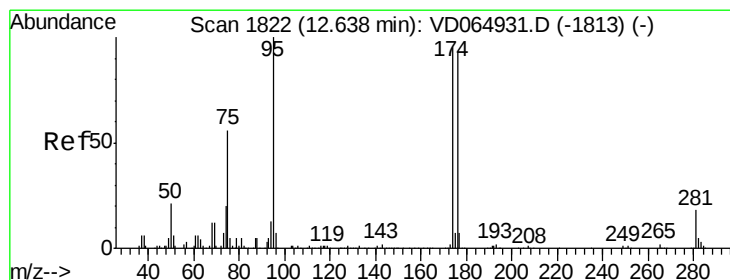
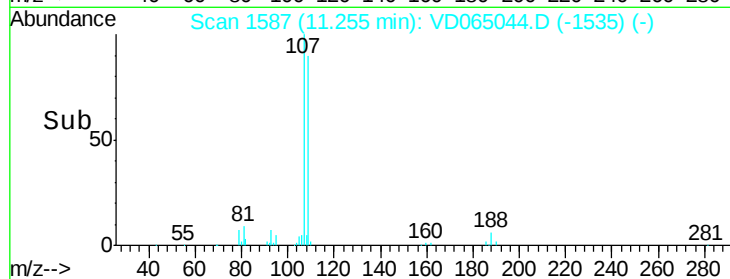
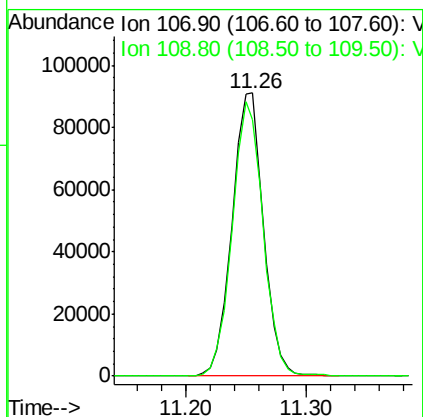
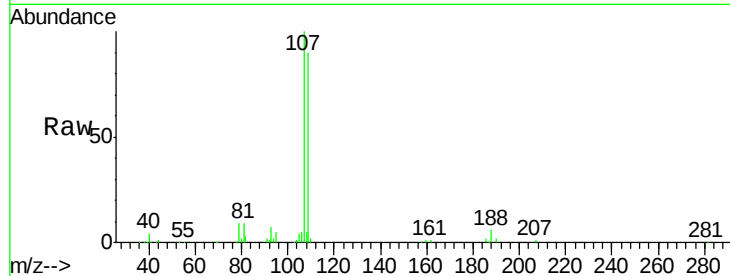




#61
 1,2-Dibromoethane
 Concen: 48.21 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

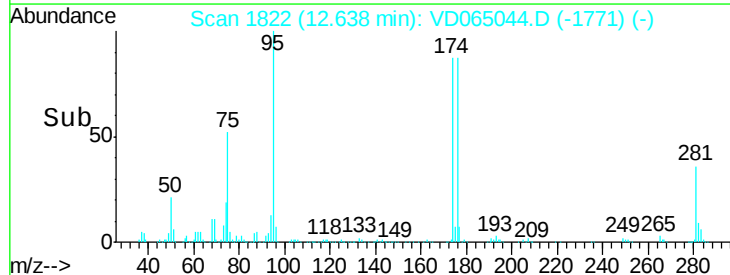
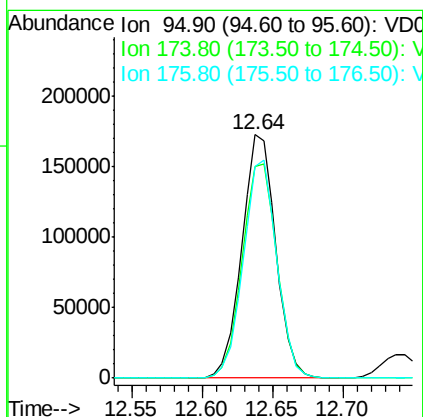
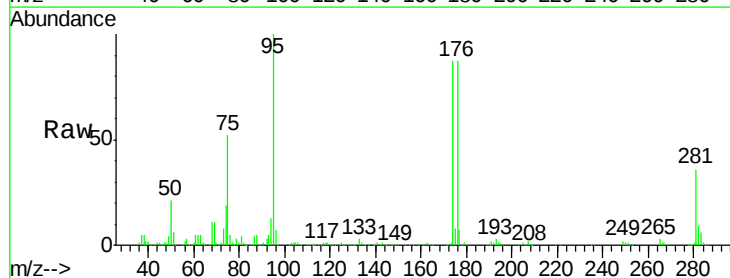
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

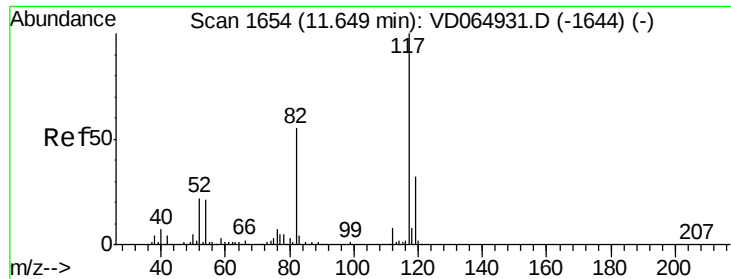
Tgt Ion: 107 Resp: 164715
 Ion Ratio Lower Upper
 107 100
 109 95.7 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 52.12 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion: 95 Resp: 289900
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 186.8
 176 88.5 0.0 183.4

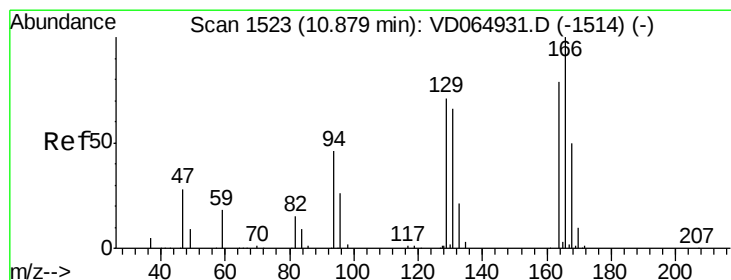
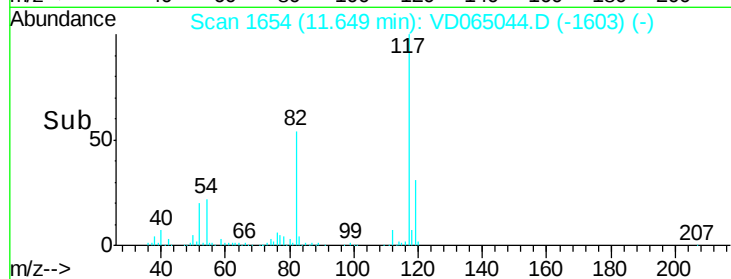
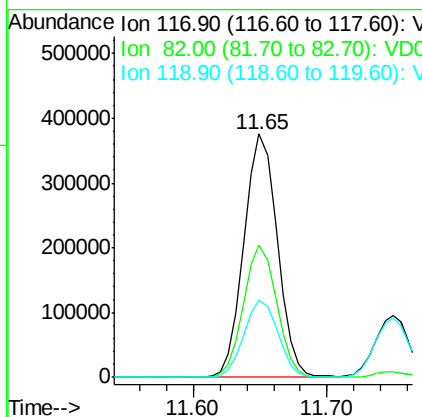
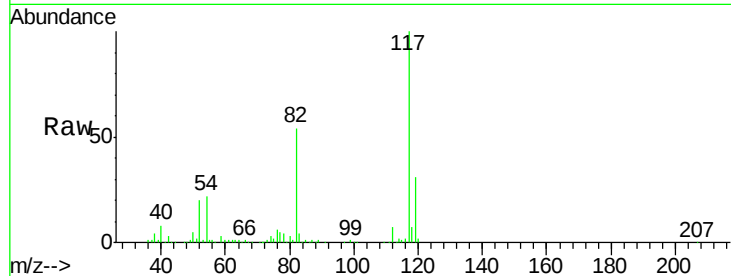




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

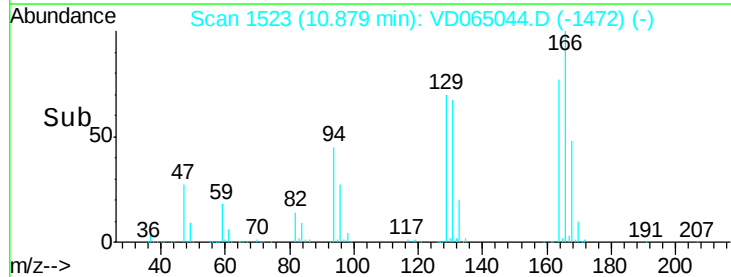
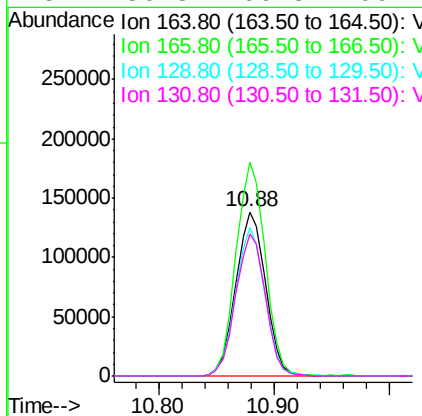
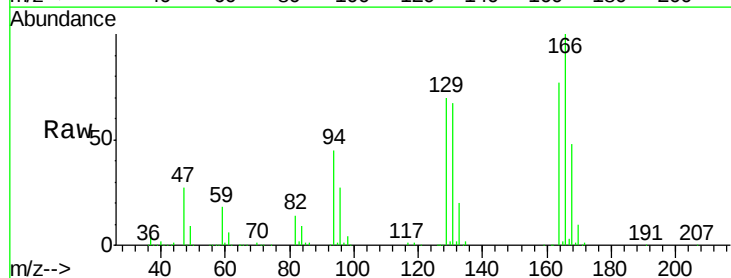
Instrument :
MSVOA_D
ClientSampleId :
BFB

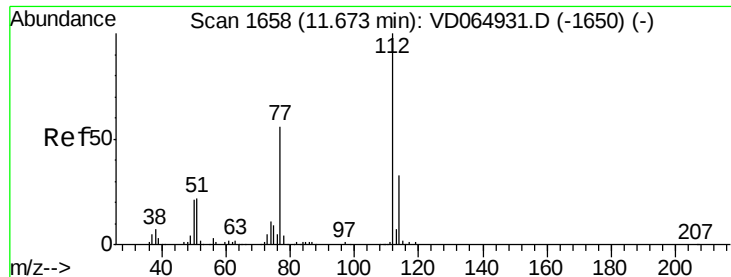
Tgt Ion:117 Resp: 650749
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 31.5 25.2 37.8



#64
Tetrachloroethene
Concen: 52.55 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion:164 Resp: 247119
Ion Ratio Lower Upper
164 100
166 129.9 101.4 152.2
129 90.5 71.8 107.8
131 86.3 66.8 100.2





#65

Chlorobenzene

Concen: 51.37 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

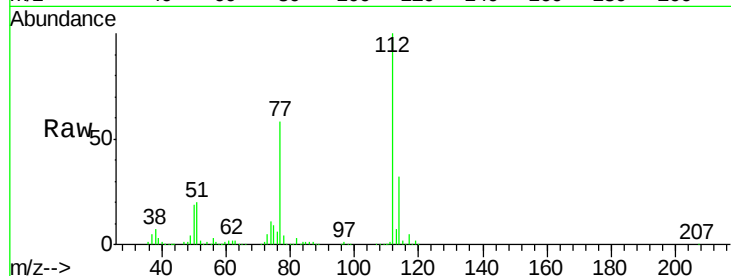
BFB

Tgt Ion:112 Resp: 678729

Ion Ratio Lower Upper

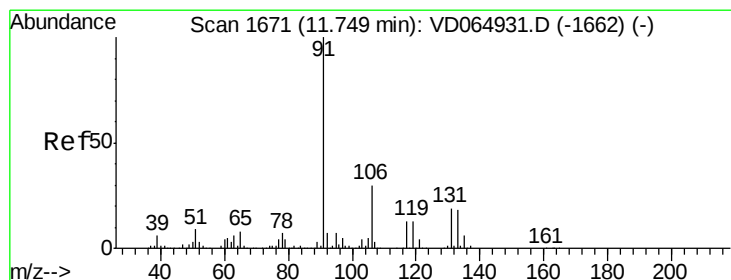
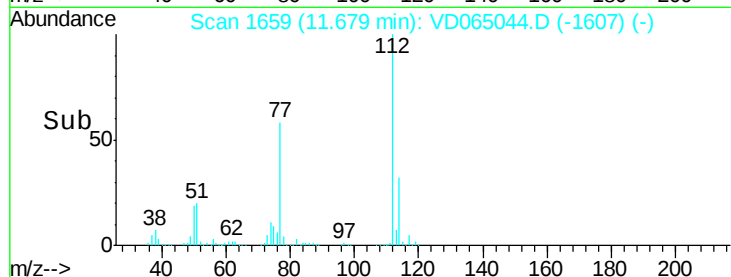
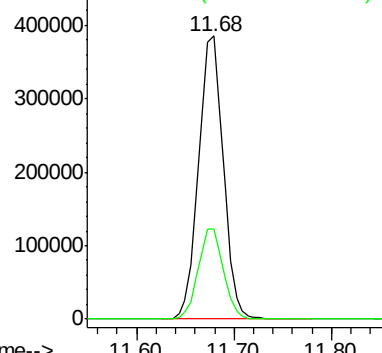
112 100

114 31.9 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.44 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

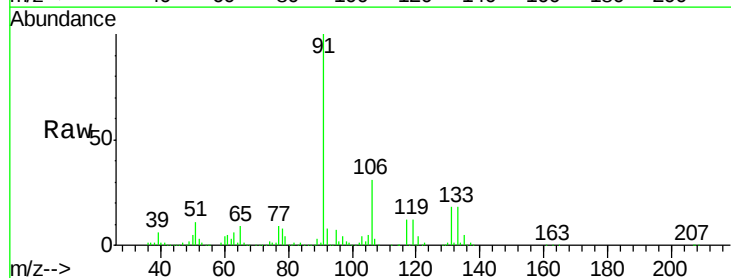
Tgt Ion:131 Resp: 255589

Ion Ratio Lower Upper

131 100

133 95.2 47.5 142.5

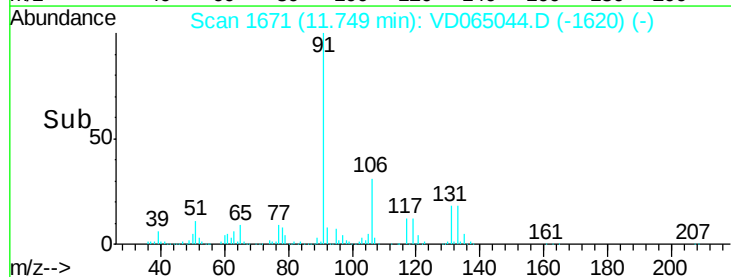
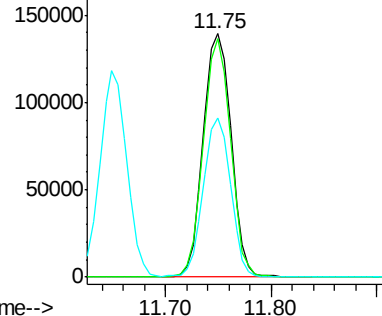
119 64.0 31.1 93.5

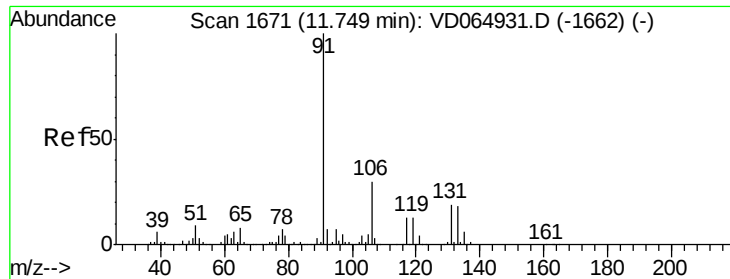


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

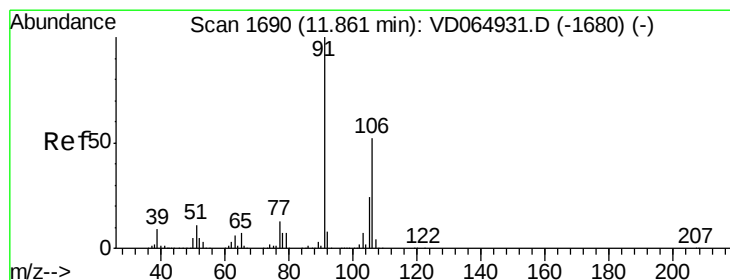
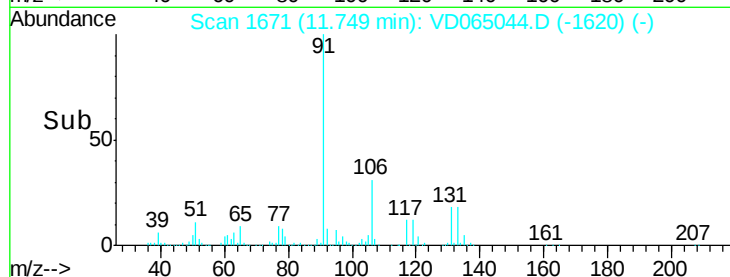
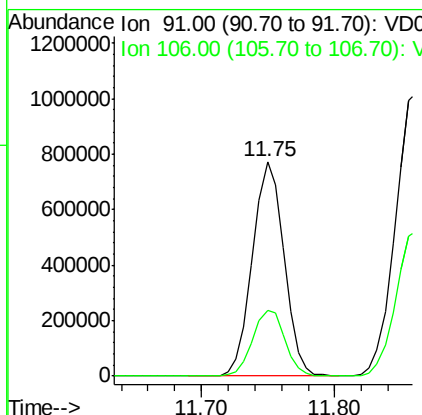
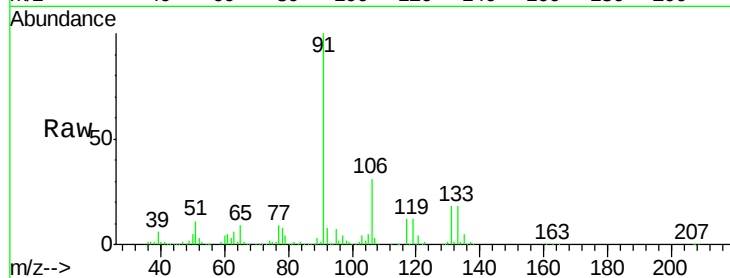




#67
Ethyl Benzene
Concen: 53.83 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

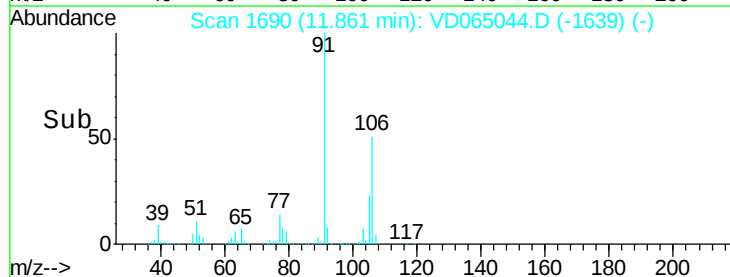
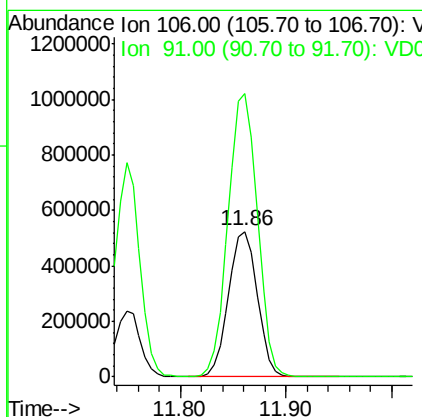
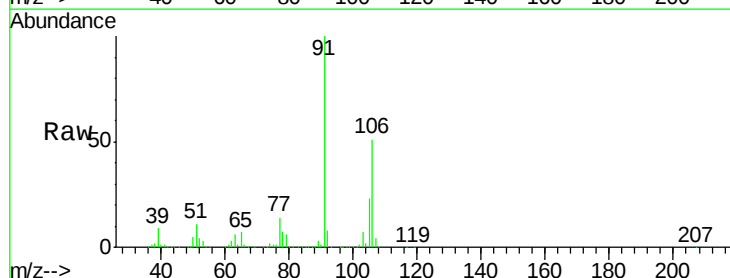
Instrument :
MSVOA_D
ClientSampled :
BFB

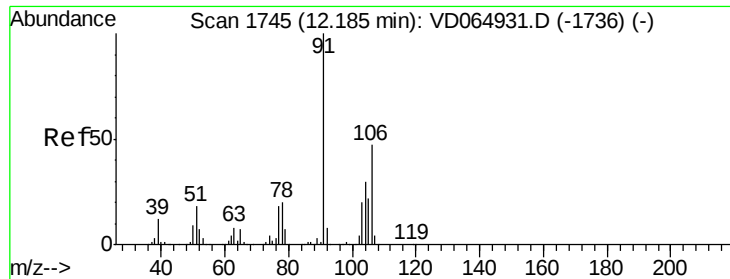
Tgt Ion: 91 Resp: 1262758
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



#68
m/p-Xylenes
Concen: 109.59 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion: 106 Resp: 989776
Ion Ratio Lower Upper
106 100
91 198.1 159.0 238.4

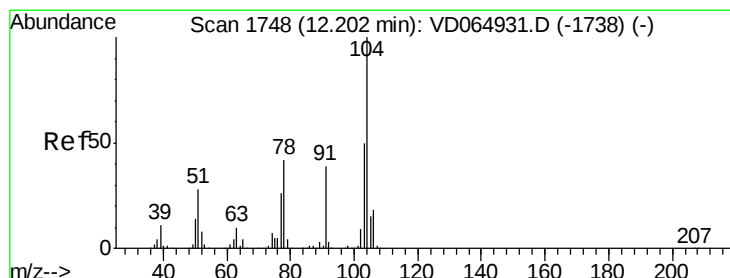
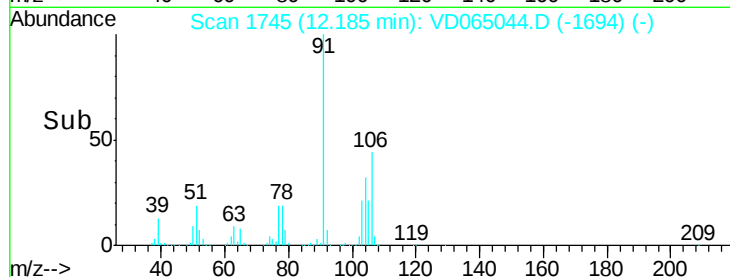
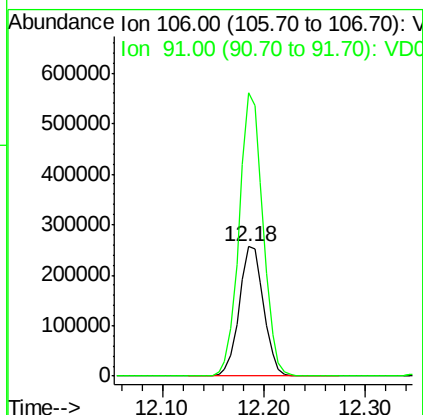
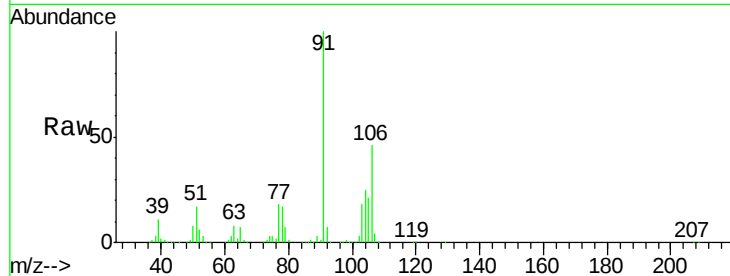




#69
o-Xylene
Concen: 53.36 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

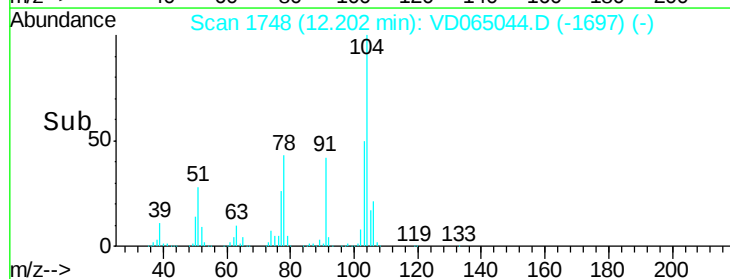
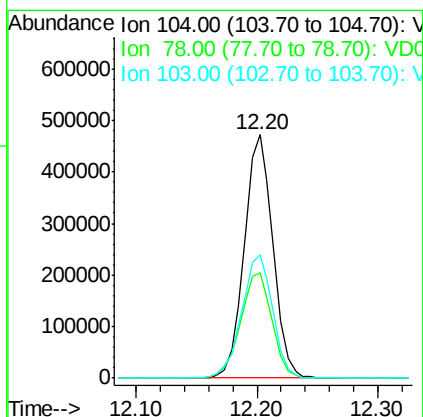
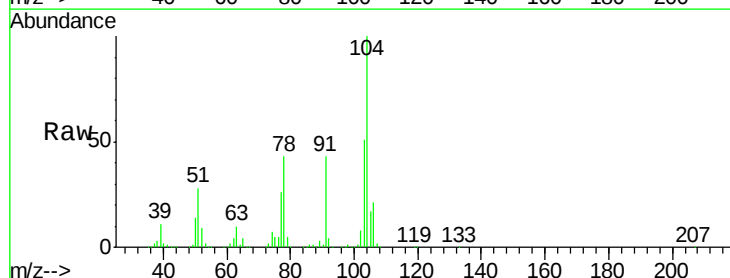
Instrument :
MSVOA_D
ClientSampled :
BFB

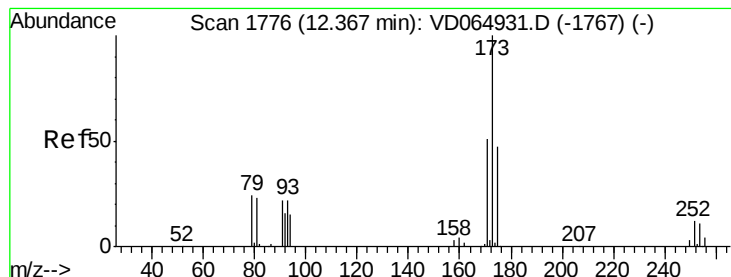
Tgt Ion:106 Resp: 427692
Ion Ratio Lower Upper
106 100
91 213.4 106.7 319.9



#70
Styrene
Concen: 54.52 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion:104 Resp: 778436
Ion Ratio Lower Upper
104 100
78 47.6 38.3 57.5
103 54.6 43.5 65.3





#71

Bromoform

Concen: 48.15 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

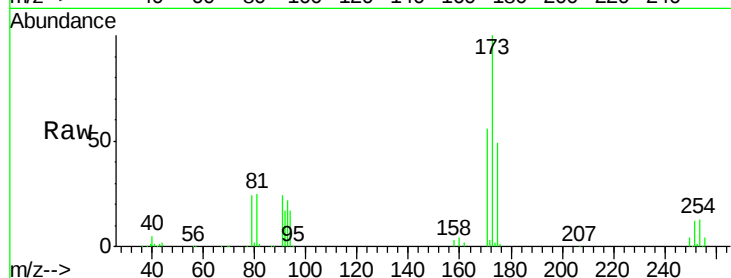
Tgt Ion:173 Resp: 132989

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.8

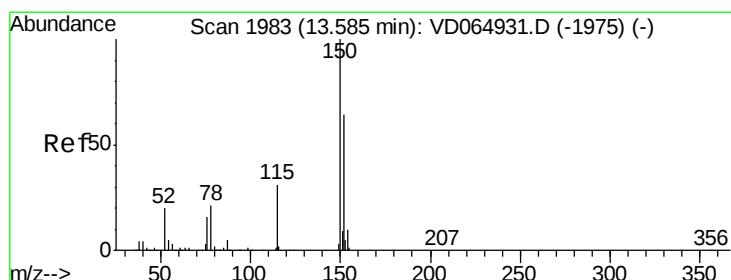
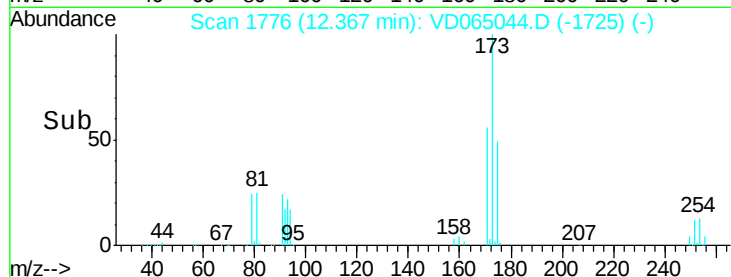
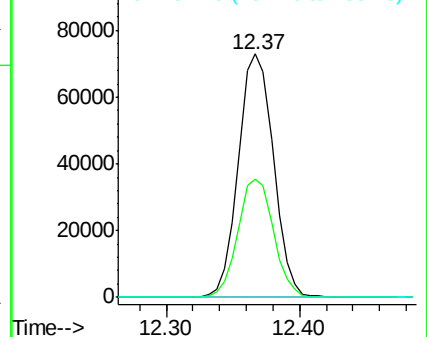
254 0.1 0.1 0.1#



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: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

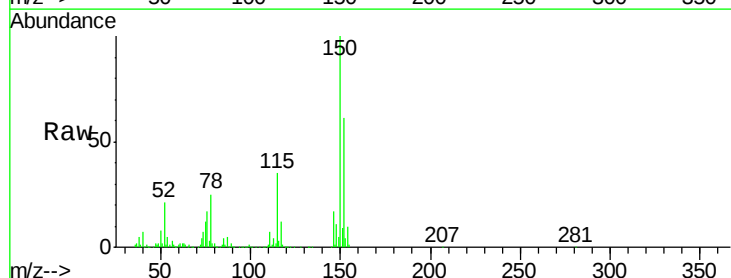
Tgt Ion:152 Resp: 312567

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.4

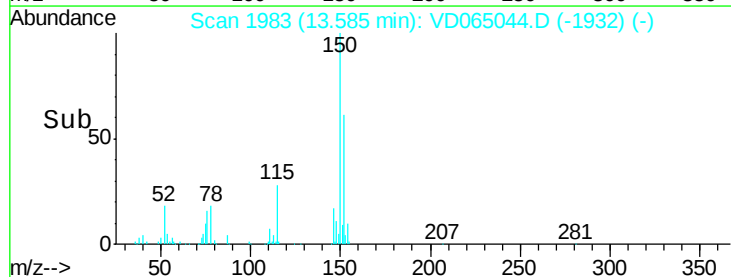
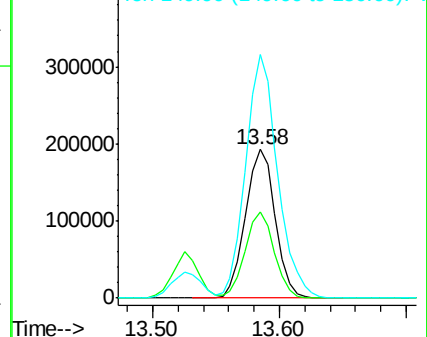
150 176.1 0.0 350.4

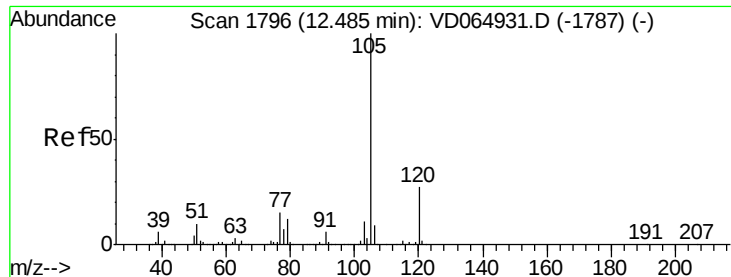


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.14 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

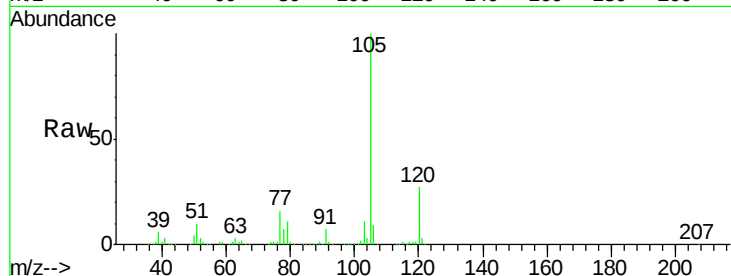
BFB

Tgt Ion: 105 Resp: 1199287

Ion Ratio Lower Upper

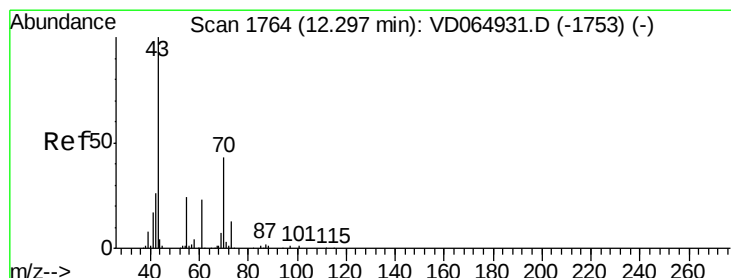
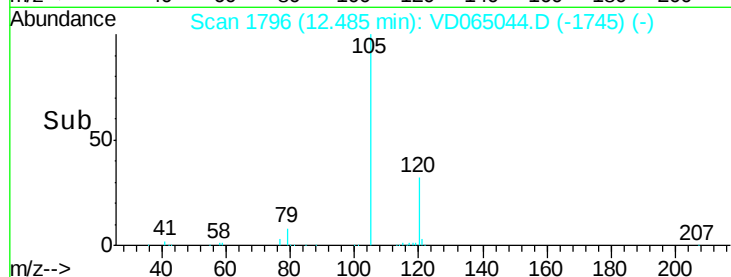
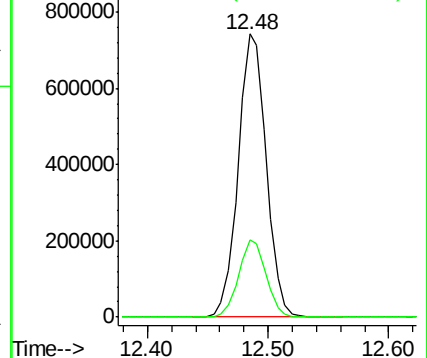
105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.47 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Tgt Ion: 43 Resp: 236472

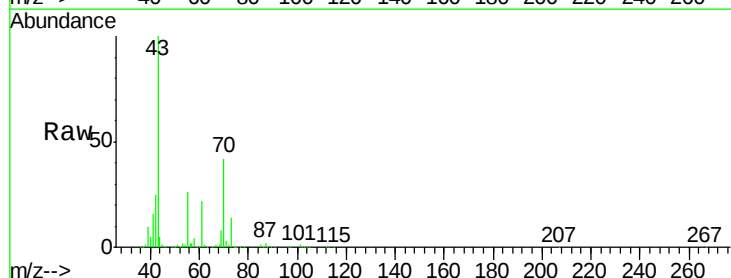
Ion Ratio Lower Upper

43 100

70 41.0 32.6 49.0

55 25.6 19.9 29.9

61 23.2 18.3 27.5

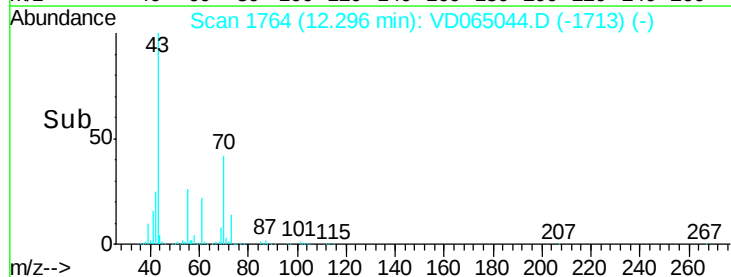
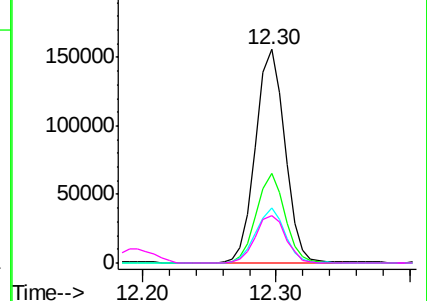


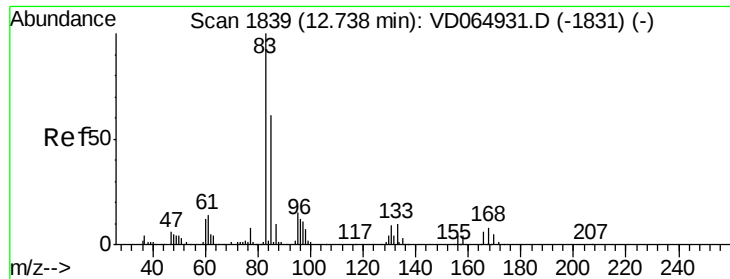
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 48.53 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

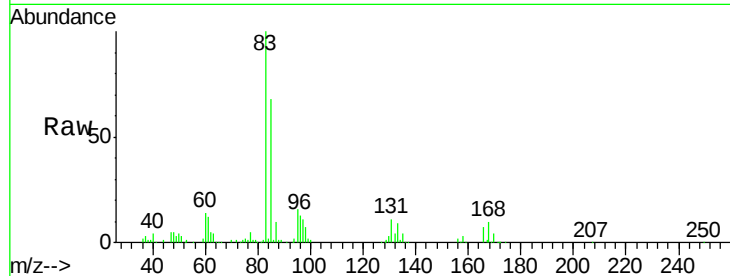
Tgt Ion: 83 Resp: 174250

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.4

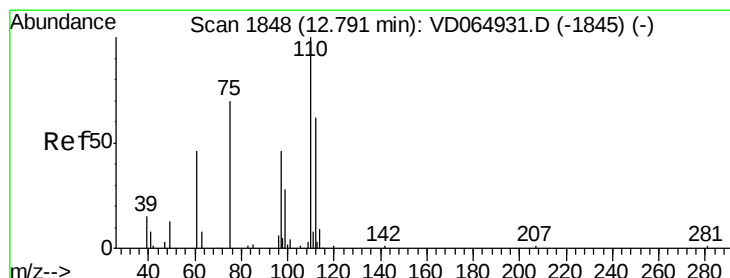
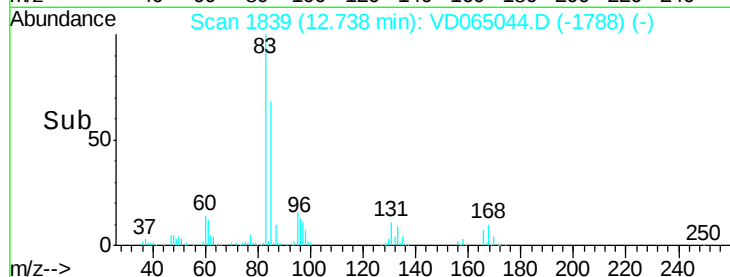
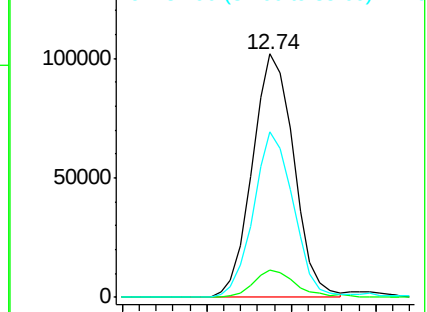
85 65.7 31.6 94.7



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: 93.21 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065044.D

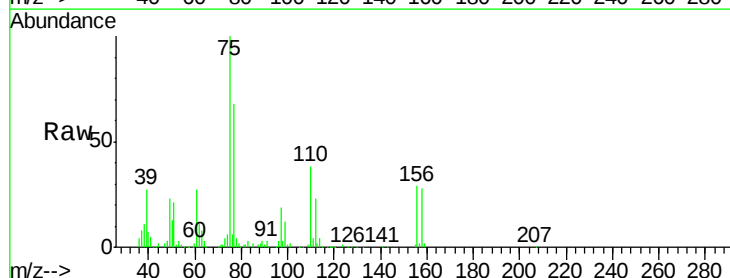
Acq: 03 Feb 2020 10:08

Tgt Ion: 75 Resp: 241823

Ion Ratio Lower Upper

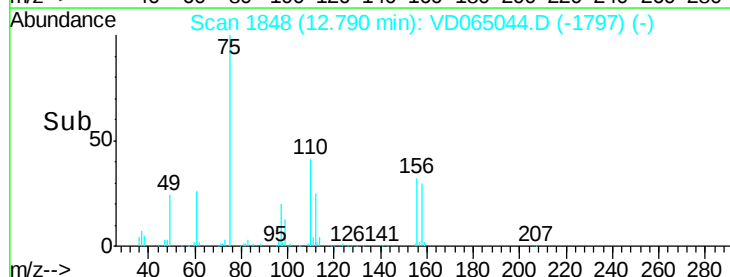
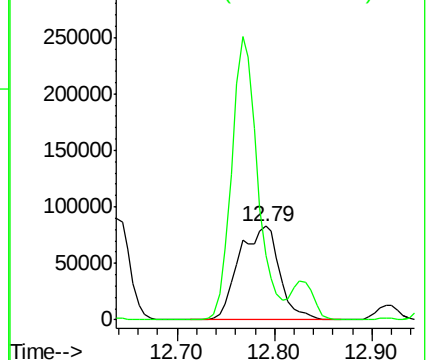
75 100

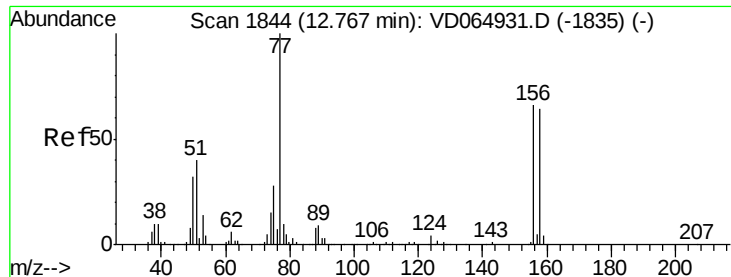
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.85 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

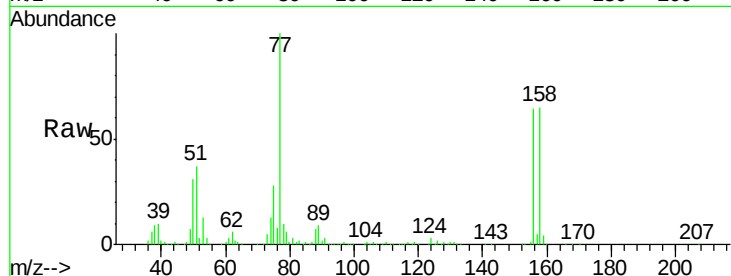
Tgt Ion:156 Resp: 276275

Ion Ratio Lower Upper

156 100

77 168.0 84.2 252.5

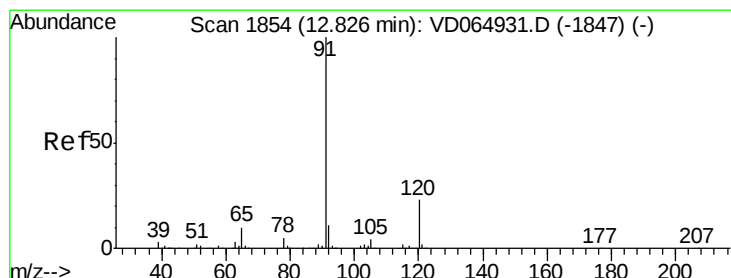
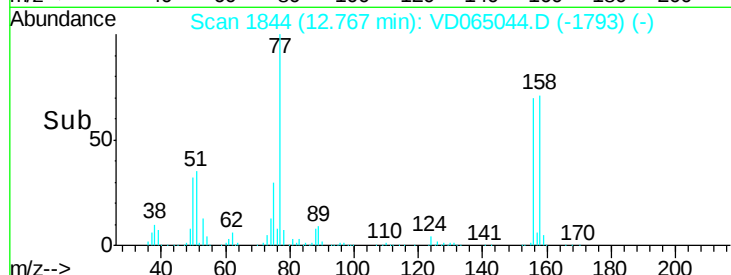
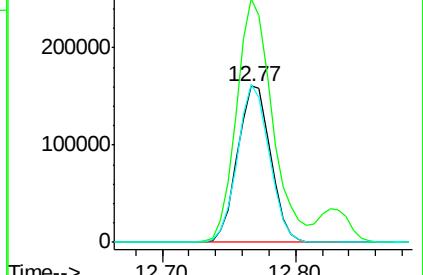
158 97.3 48.1 144.4



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: 56.22 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065044.D

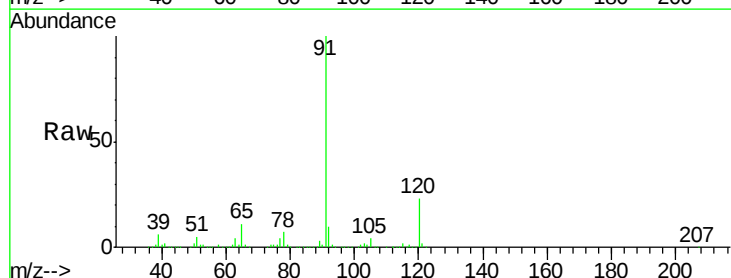
Acq: 03 Feb 2020 10:08

Tgt Ion: 91 Resp: 1428332

Ion Ratio Lower Upper

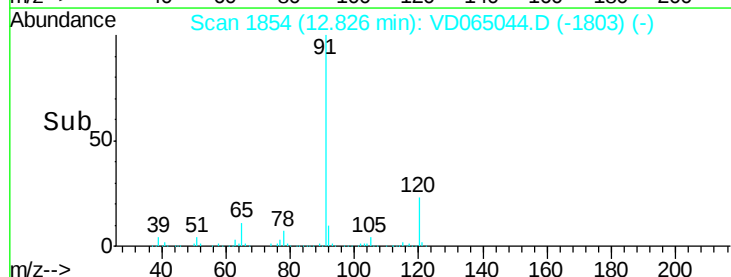
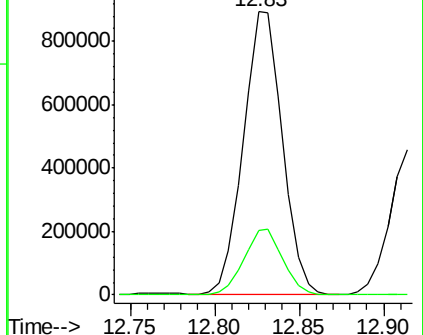
91 100

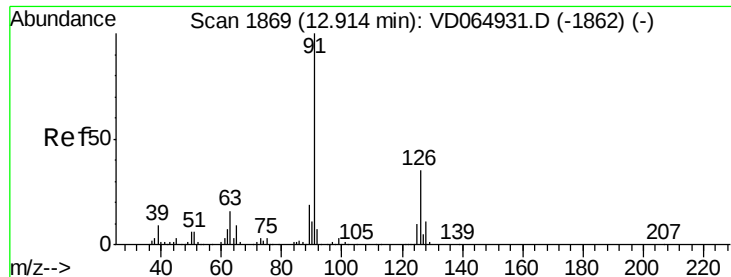
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.05 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampled :

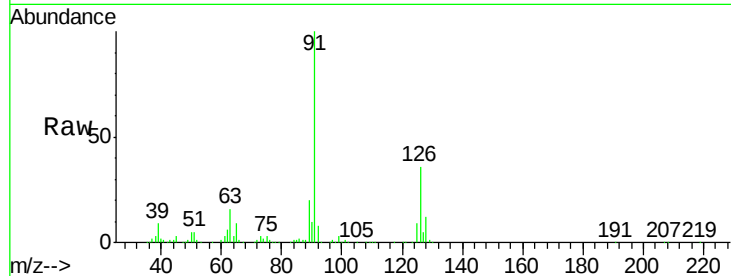
BFB

Tgt Ion: 91 Resp: 767258

Ion Ratio Lower Upper

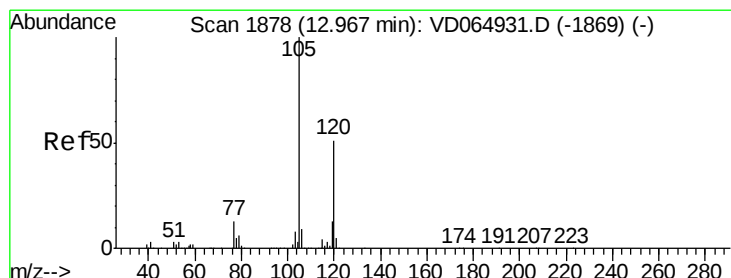
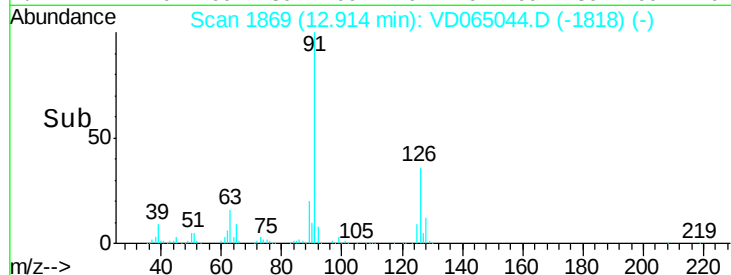
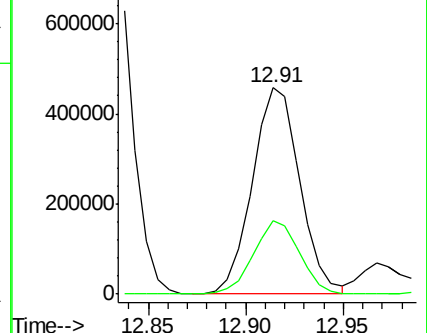
91 100

126 34.8 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.93 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065044.D

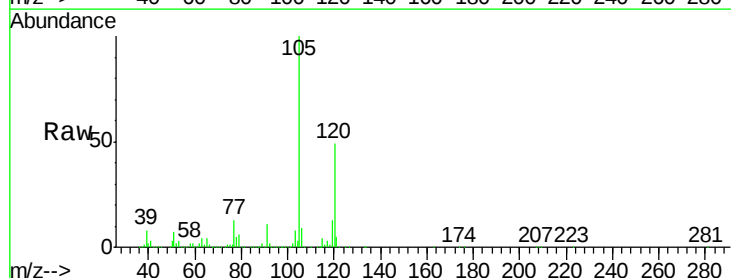
Acq: 03 Feb 2020 10:08

Tgt Ion: 105 Resp: 979119

Ion Ratio Lower Upper

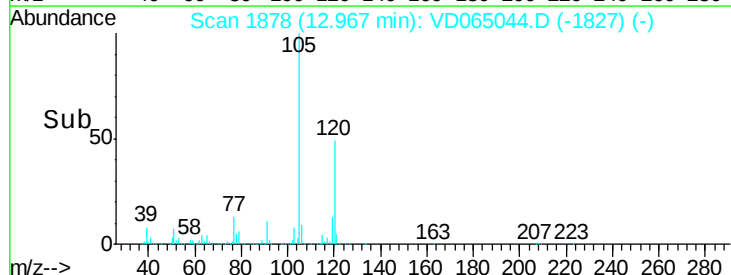
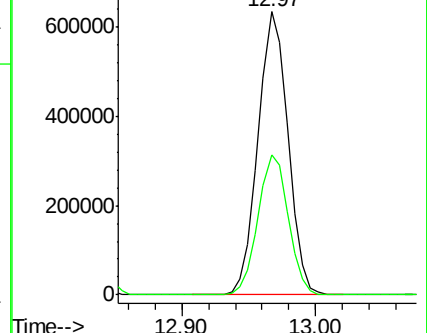
105 100

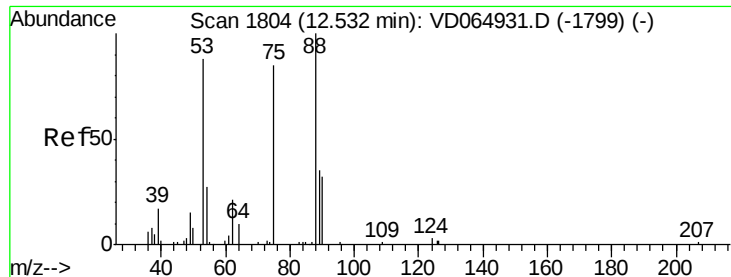
120 50.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.75 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

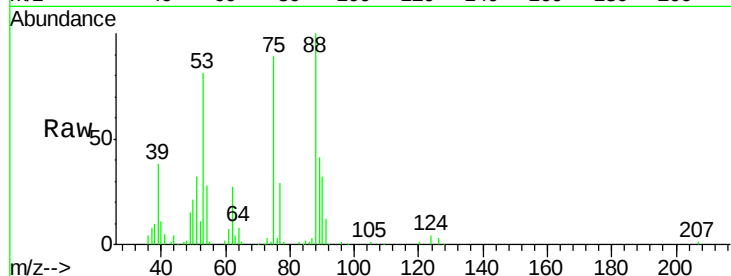
Tgt Ion: 75 Resp: 59228

Ion Ratio Lower Upper

75 100

53 100.1 81.0 121.4

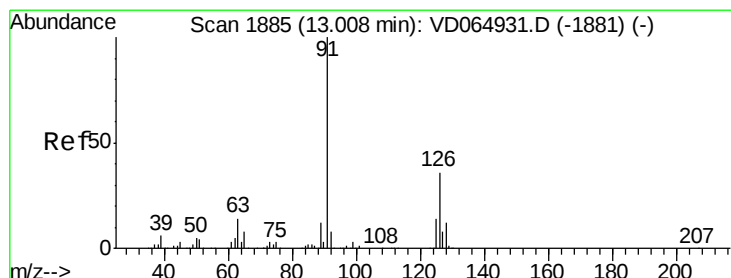
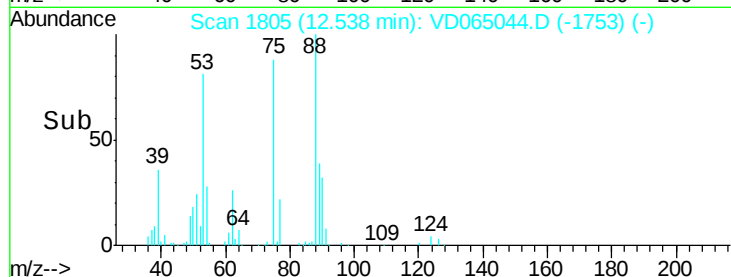
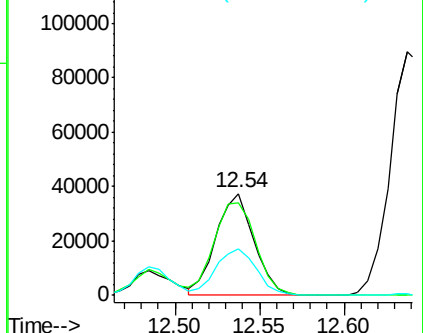
89 48.2 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 54.16 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065044.D

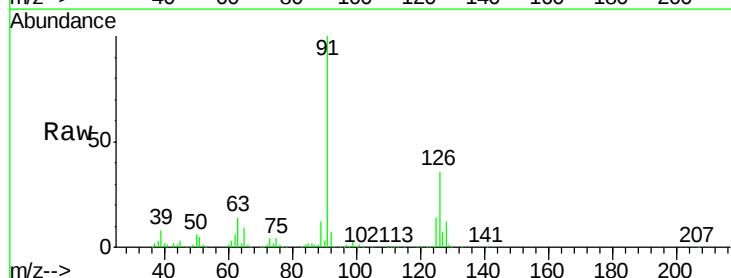
Acq: 03 Feb 2020 10:08

Tgt Ion: 91 Resp: 800515

Ion Ratio Lower Upper

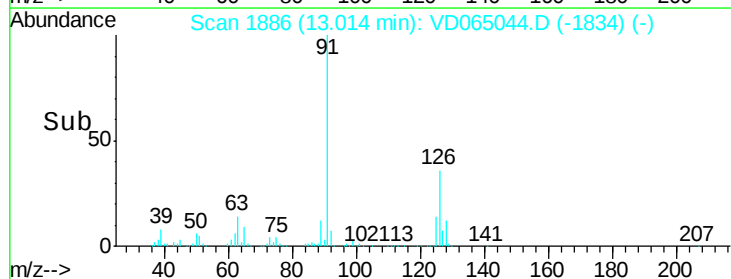
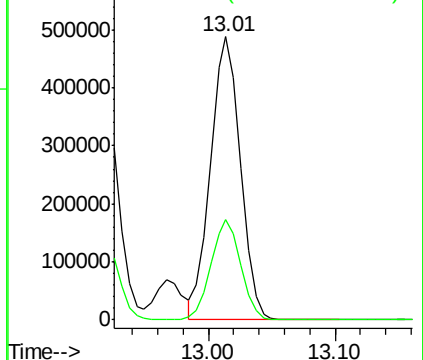
91 100

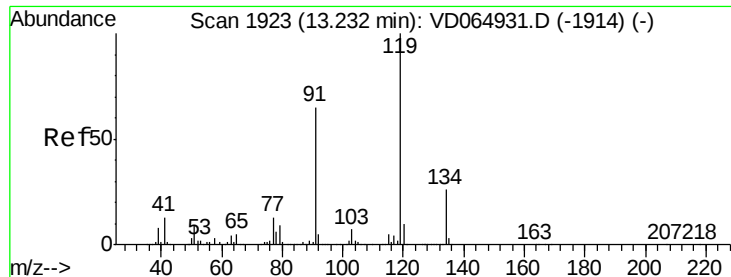
126 35.3 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

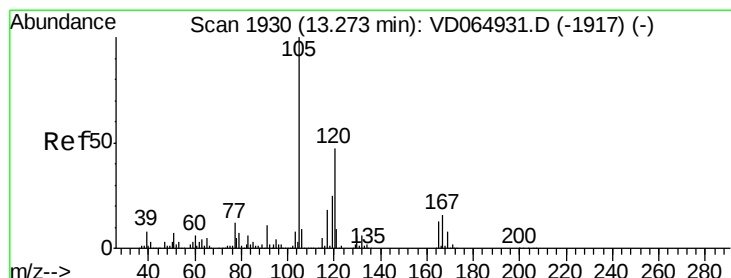
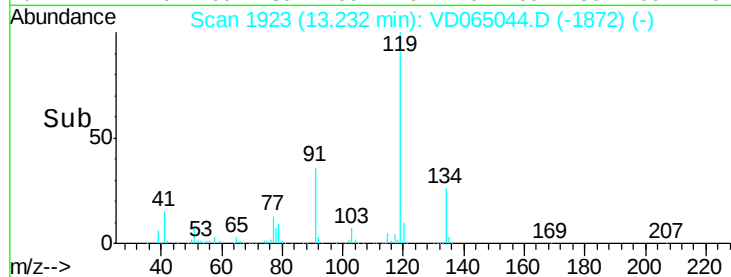
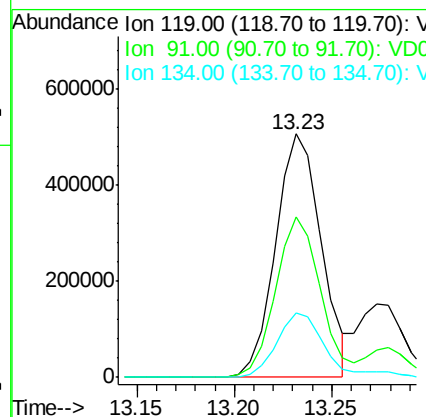
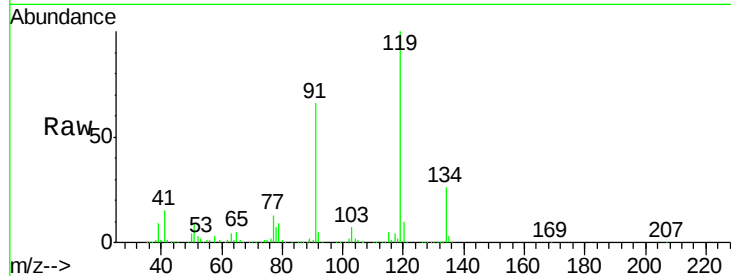




#83
 tert-Butylbenzene
 Concen: 55.07 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

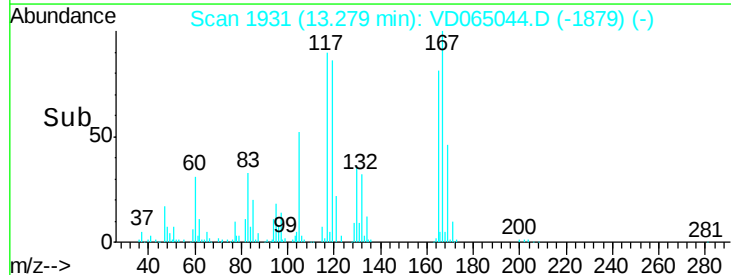
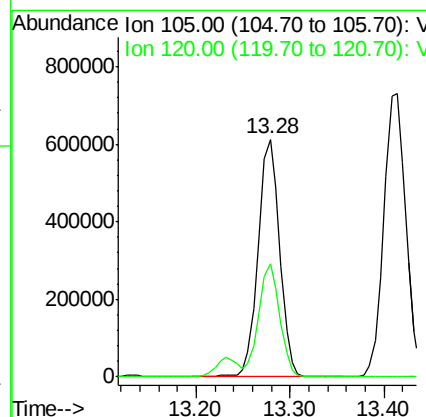
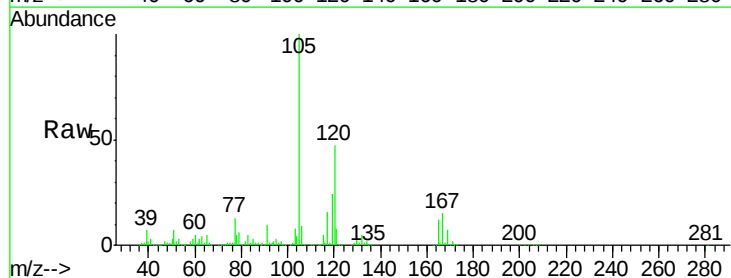
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

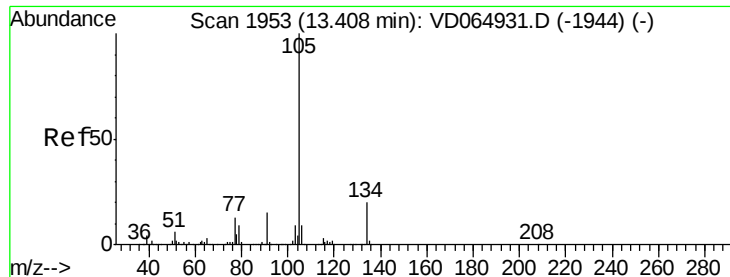
Tgt Ion:119 Resp: 818173
 Ion Ratio Lower Upper
 119 100
 91 65.0 32.0 96.0
 134 28.3 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 54.86 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion:105 Resp: 972926
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.3

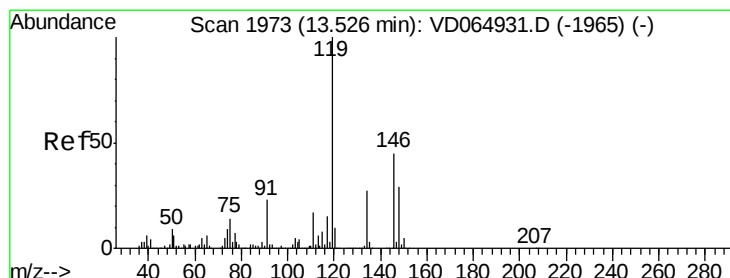
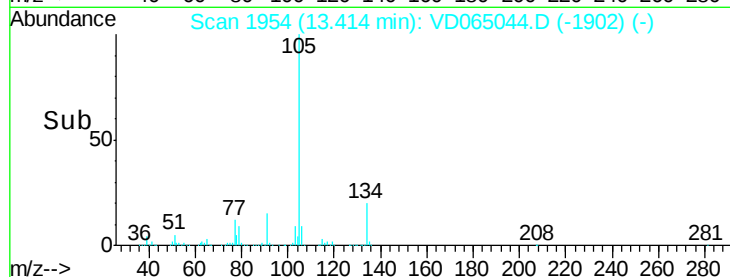
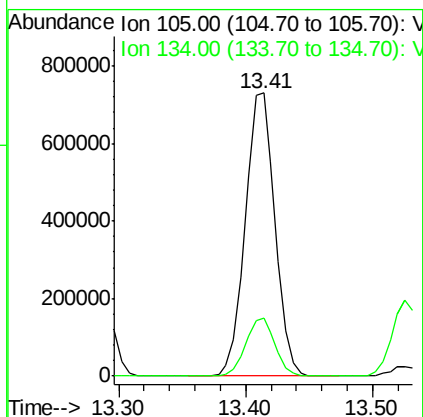
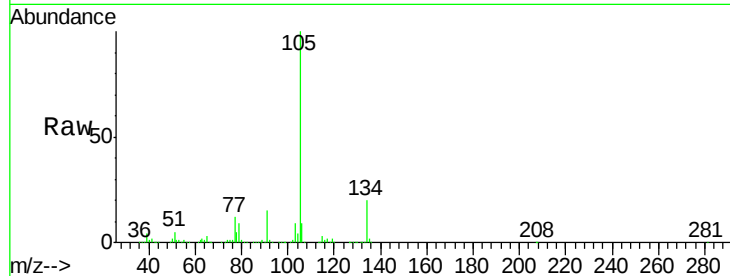




#85
 sec-Butylbenzene
 Concen: 56.47 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

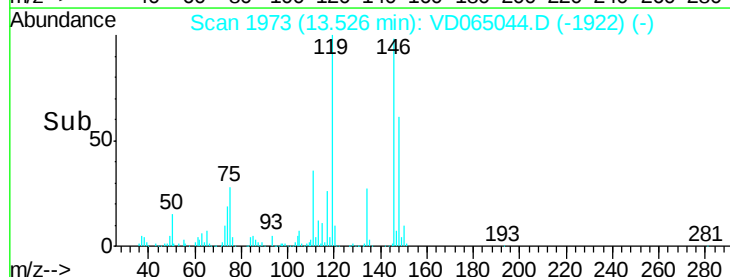
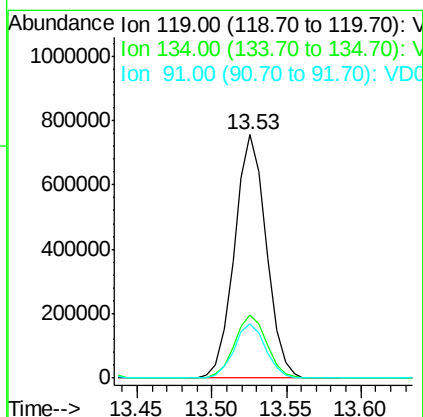
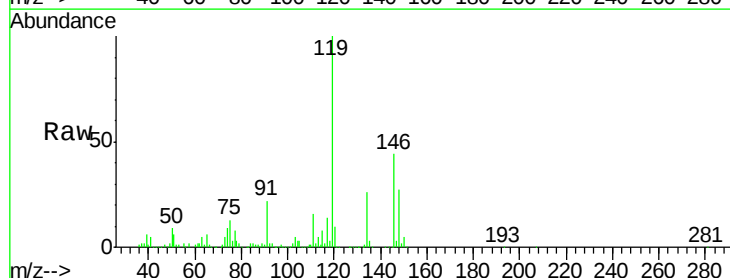
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

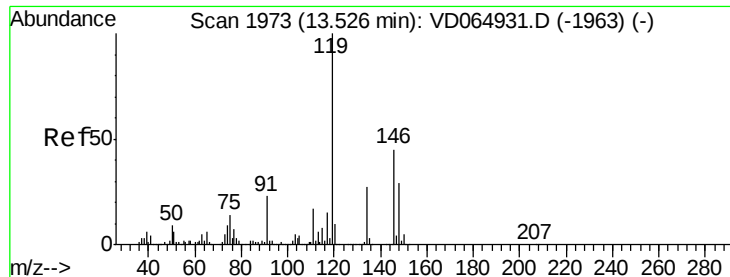
Tgt Ion:105 Resp: 1187896
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 56.83 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion:119 Resp: 1118658
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.9
 91 22.2 11.4 34.2

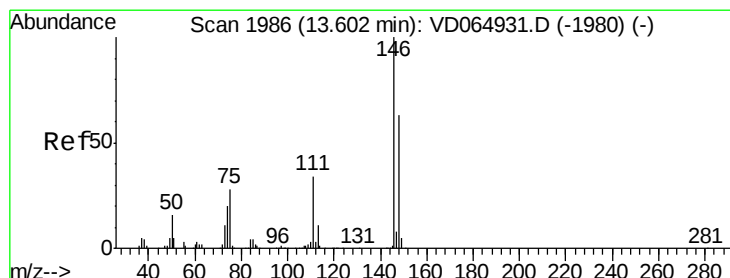
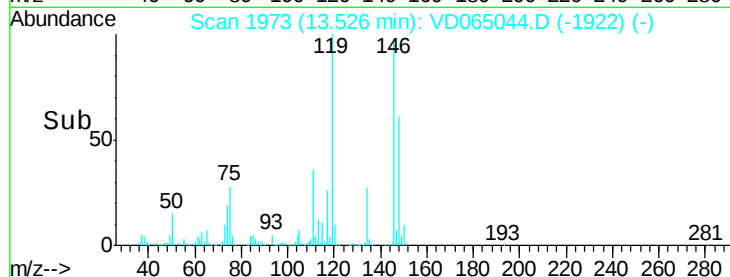
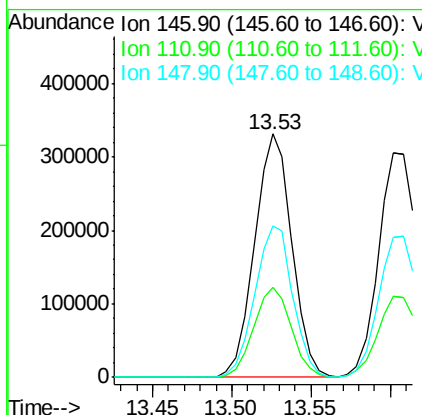
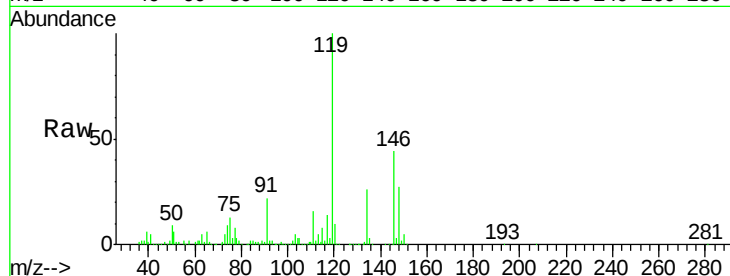




#87
 1,3-Dichlorobenzene
 Concen: 53.83 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

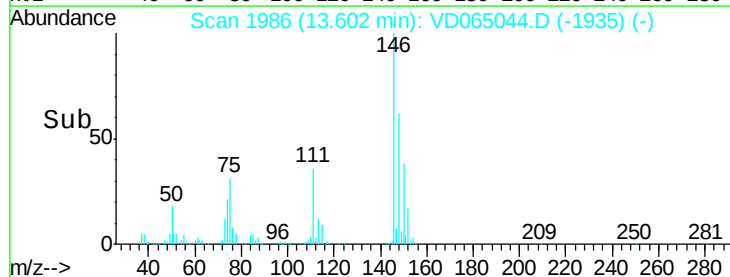
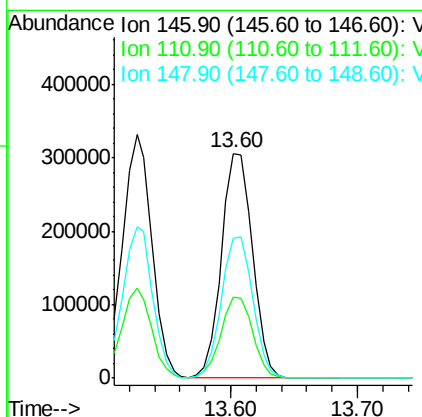
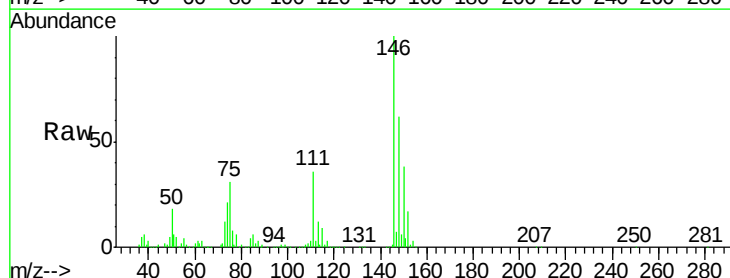
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

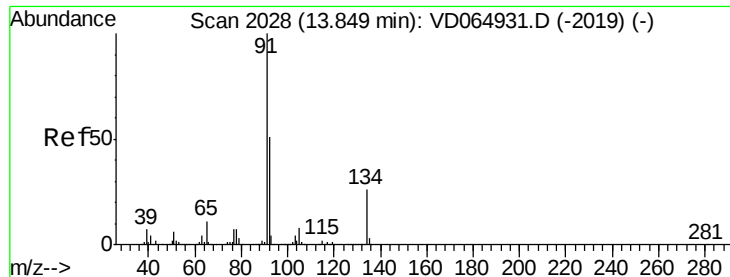
Tgt Ion:146 Resp: 539858
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 63.5 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 52.25 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion:146 Resp: 520103
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.2 54.6
 148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 56.14 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD065044.D

Acq: 03 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

BFB

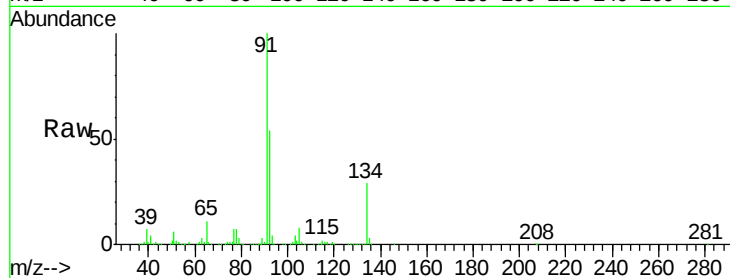
Tgt Ion: 91 Resp: 1008523

Ion Ratio Lower Upper

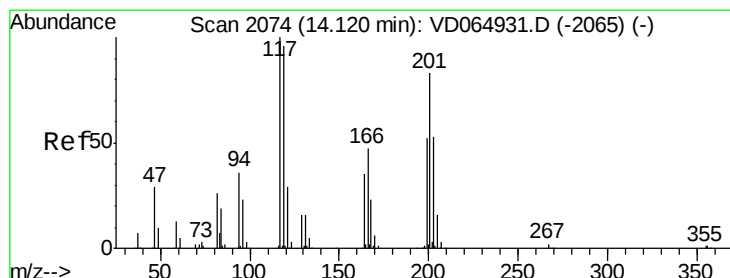
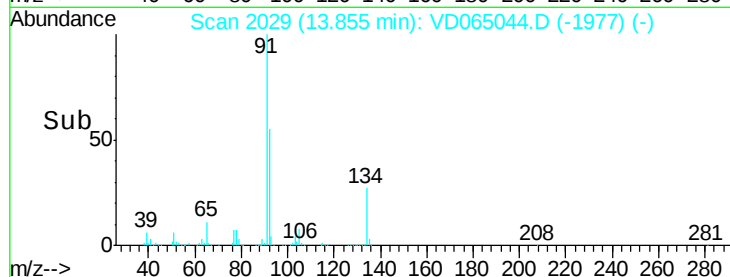
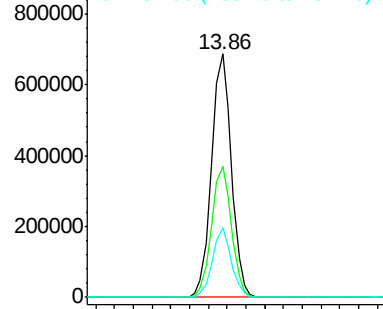
91 100

92 53.9 26.4 79.0

134 26.9 13.3 39.9



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



#90

Hexachloroethane

Concen: 54.56 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065044.D

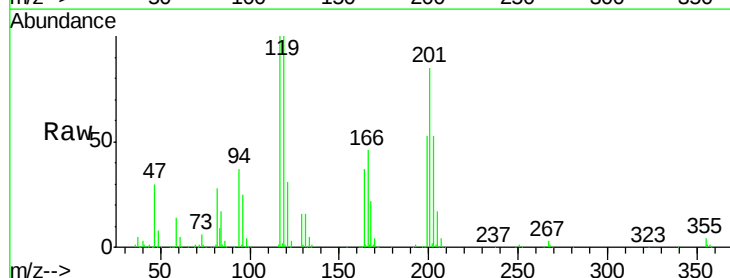
Acq: 03 Feb 2020 10:08

Tgt Ion: 117 Resp: 207109

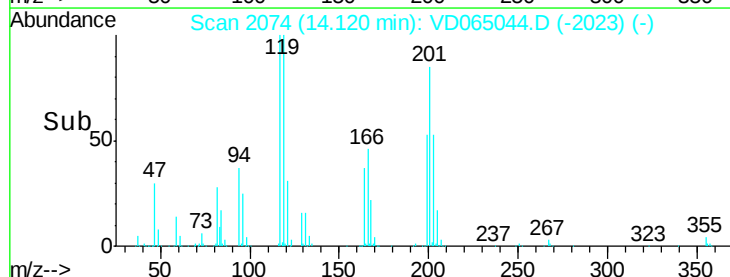
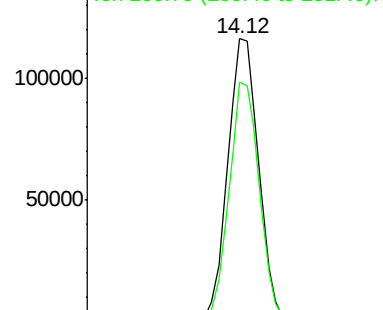
Ion Ratio Lower Upper

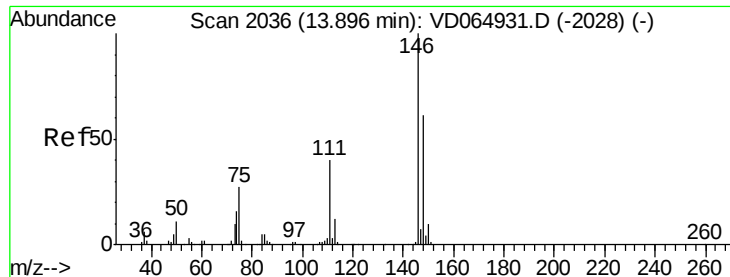
117 100

201 83.1 41.1 123.3



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

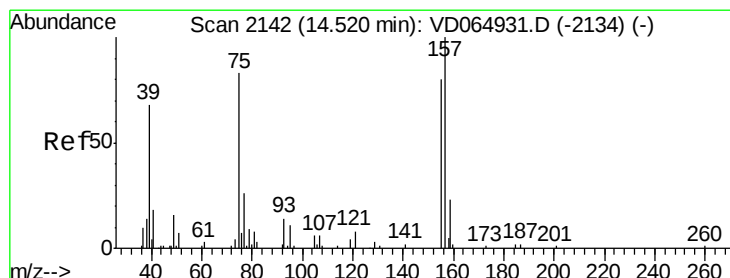
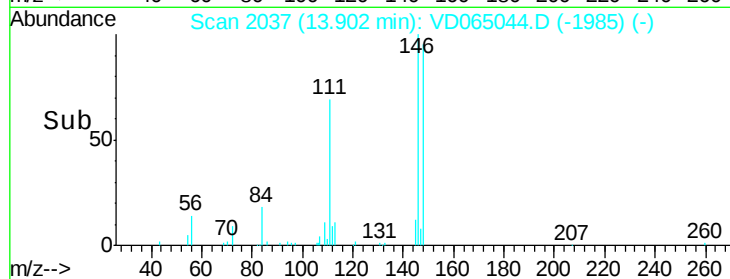
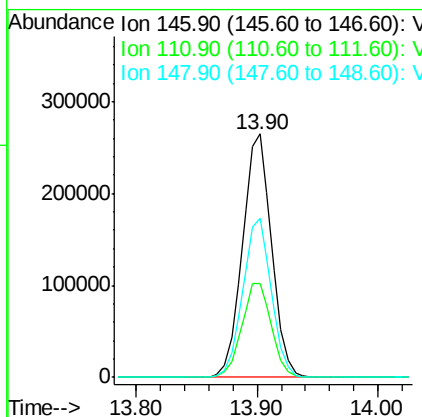
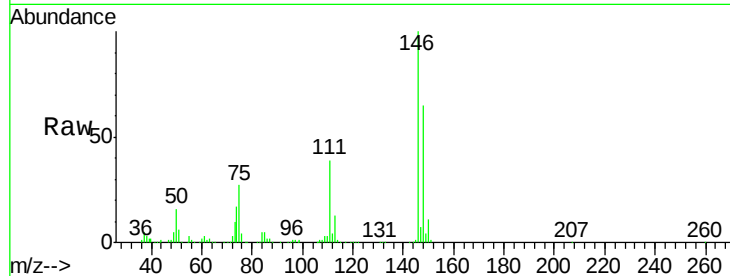




#91
 1,2-Dichlorobenzene
 Concen: 51.97 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

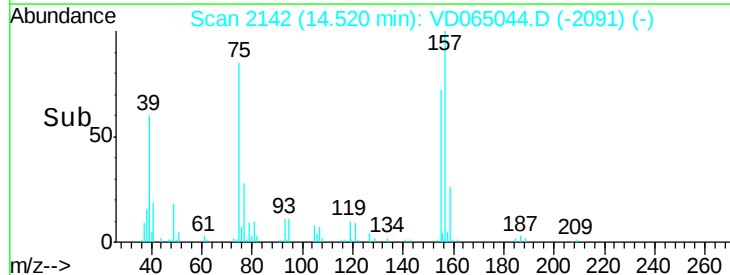
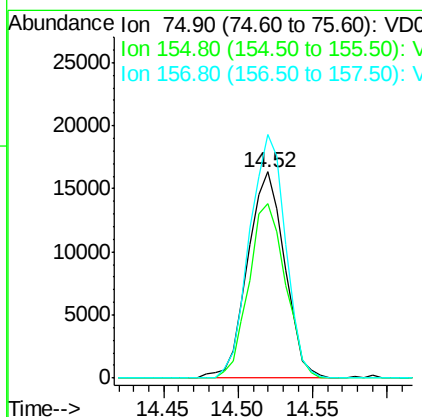
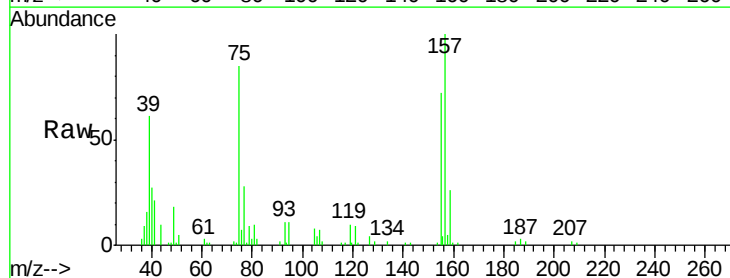
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

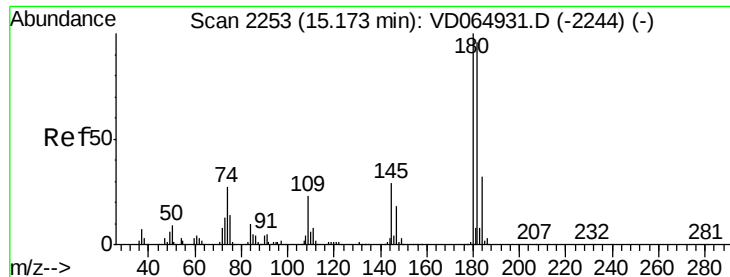
Tgt Ion:146 Resp: 442462
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.4 58.2
 148 64.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.76 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion: 75 Resp: 28017
 Ion Ratio Lower Upper
 75 100
 155 83.8 44.9 134.7
 157 114.5 58.9 176.6

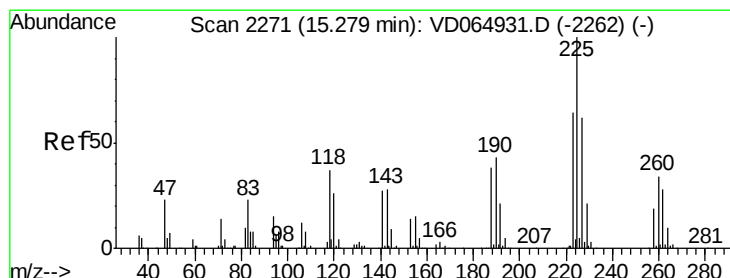
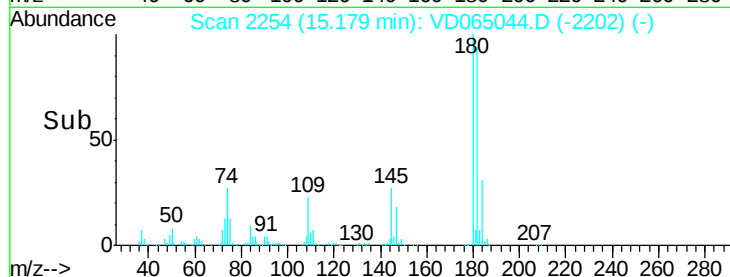
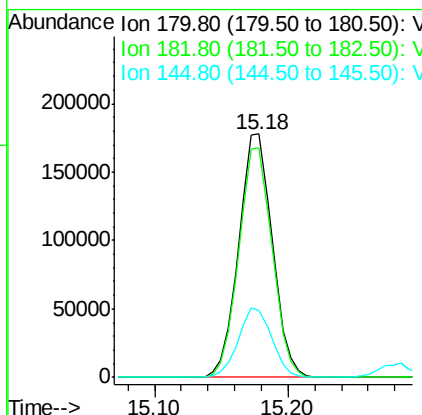
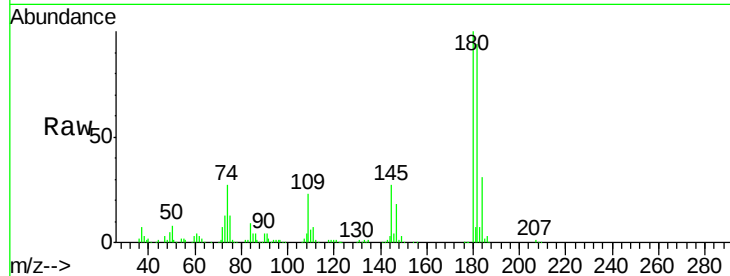




#93
 1,2,4-Trichlorobenzene
 Concen: 52.73 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

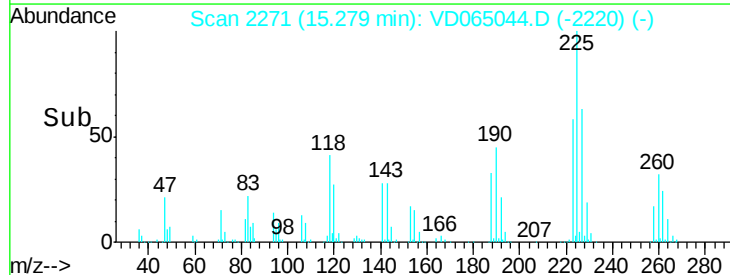
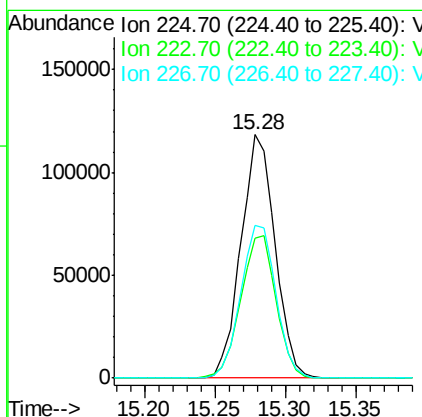
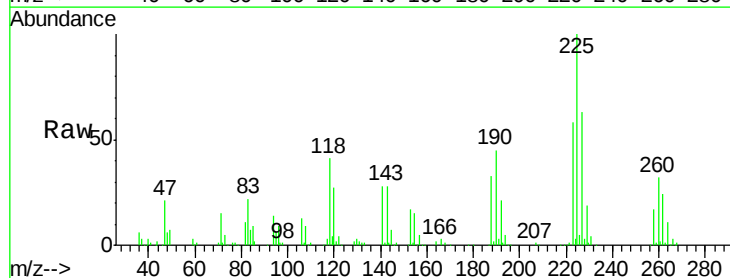
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

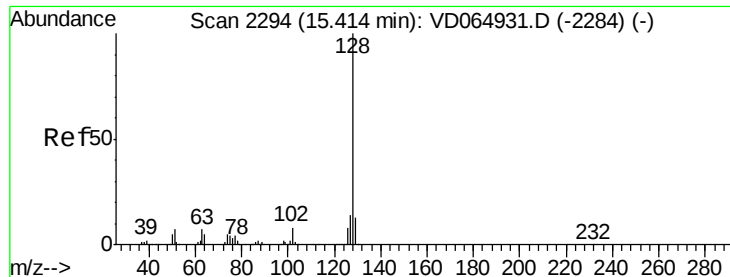
Tgt Ion:180 Resp: 310622
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.1 141.4
 145 28.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 53.75 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065044.D
 Acq: 03 Feb 2020 10:08

Tgt Ion:225 Resp: 200276
 Ion Ratio Lower Upper
 225 100
 223 60.8 32.4 97.2
 227 64.8 31.9 95.9

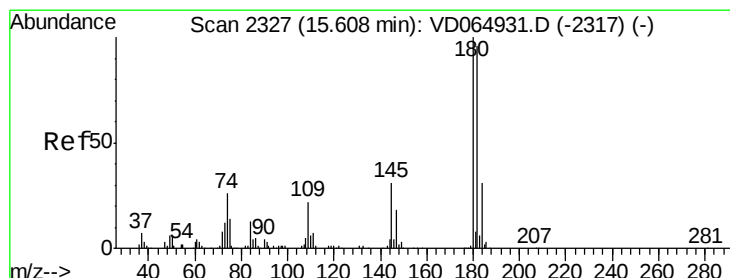
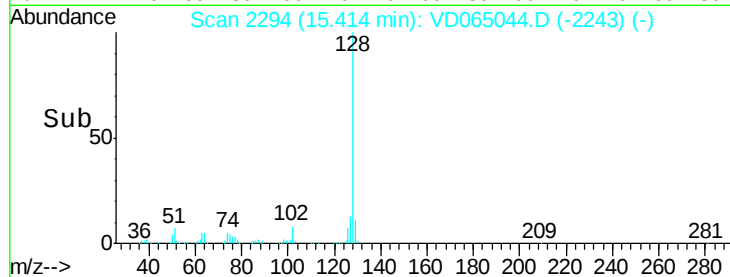
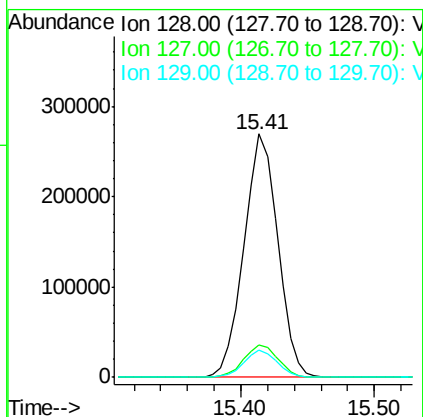
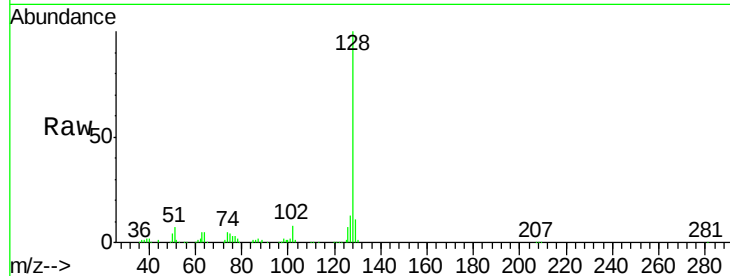




#95
Naphthalene
Concen: 49.72 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:128 Resp: 472700
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 11.1 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 51.76 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065044.D
Acq: 03 Feb 2020 10:08

Tgt Ion:180 Resp: 264339
Ion Ratio Lower Upper
180 100
182 93.7 47.3 141.8
145 29.6 14.6 43.8

