

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059825.D
 Acq On : 20 Aug 2018 12:02
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Aug 21 02:29:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	974691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1451292	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1182821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	535133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	43245	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	
35) Dibromofluoromethane	5.50	113	53811	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
50) Toluene-d8	8.67	98	156078	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	
62) 4-Bromofluorobenzene	11.91	95	62977	5.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	51652	6.169	ug/l	97
3) Chloromethane	1.47	50	44001	6.338	ug/l	97
4) Vinyl Chloride	1.54	62	31265	5.557	ug/l	97
5) Bromomethane	1.77	94	4738	6.248	ug/l	96
6) Chloroethane	1.86	64	8383	5.954	ug/l	100
7) Trichlorofluoromethane	2.07	101	33399	5.683	ug/l	97
8) Diethyl Ether	2.32	74	6691	5.174	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.52	101	21083	5.729	ug/l	91
10) Methyl Iodide	2.66	142	16062	4.221	ug/l	94
11) Tert butyl alcohol	3.22	59	8275	28.203	ug/l #	49
12) 1,1-Dichloroethene	2.52	96	17565	6.103	ug/l	88
13) Acrolein	2.44	56	6041	21.848	ug/l	84
14) Allyl chloride	2.89	41	44560	5.840	ug/l	94
15) Acrylonitrile	3.33	53	37500	28.301	ug/l	91
16) Acetone	2.58	43	31245	23.595	ug/l	99
17) Carbon Disulfide	2.73	76	60294	6.257	ug/l	99
18) Methyl Acetate	2.90	43	20553	7.113	ug/l #	89
19) Methyl tert-butyl Ether	3.37	73	95248	5.643	ug/l	98
20) Methylene Chloride	3.04	84	44926	10.011	ug/l	94
21) trans-1,2-Dichloroethene	3.35	96	50053	6.219	ug/l	99
22) Diisopropyl ether	4.03	45	216653	5.516	ug/l	95
23) Vinyl Acetate	3.97	43	549226	25.894	ug/l	99
24) 1,1-Dichloroethane	3.93	63	95031	5.535	ug/l	100
25) 2-Butanone	4.79	43	97975	24.639	ug/l	99
26) 2,2-Dichloropropane	4.75	77	81884	6.011	ug/l	98
27) cis-1,2-Dichloroethene	4.75	96	56103	5.417	ug/l	93
28) Bromochloromethane	5.10	49	48080	5.463	ug/l	90
29) Tetrahydrofuran	5.14	42	53098	26.624	ug/l	99
30) Chloroform	5.28	83	89786	5.309	ug/l	99
31) Cyclohexane	5.55	56	105838	6.745	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	77798	5.450	ug/l	98
36) 1,1-Dichloropropene	5.70	75	73526	5.889	ug/l	99
37) Ethyl Acetate	4.88	43	48922	5.385	ug/l	99
38) Carbon Tetrachloride	5.68	117	70617	5.689	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059825.D
 Acq On : 20 Aug 2018 12:02
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Aug 21 02:29:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	75053	5.655	ug/l	99
40) Benzene	5.97	78	177464	5.506	ug/l	98
41) Methacrylonitrile	5.08	41	26054	5.569	ug/l	95
42) 1,2-Dichloroethane	6.08	62	53717	5.190	ug/l	96
43) Isopropyl Acetate	7.57	43	68182	5.470	ug/l #	94
44) Trichloroethene	6.94	130	49621	5.224	ug/l	94
45) 1,2-Dichloropropane	7.30	63	48251	5.164	ug/l	99
46) Dibromomethane	7.42	93	28943	4.985	ug/l	98
47) Bromodichloromethane	7.70	83	66843	5.188	ug/l	94
48) Methyl methacrylate	7.46	41	37692	5.407	ug/l	93
49) 1,4-Dioxane	7.45	88	5410	93.161	ug/l #	57
51) 4-Methyl-2-Pentanone	8.55	43	206494	24.088	ug/l	97
52) Toluene	8.76	92	113433	5.547	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	63585	5.420	ug/l	96
54) cis-1,3-Dichloropropene	8.32	75	74038	5.257	ug/l	97
55) 1,1,2-Trichloroethane	9.42	97	41882	5.754	ug/l	96
56) Ethyl methacrylate	9.27	69	43009	5.142	ug/l #	89
57) 1,3-Dichloropropane	9.63	76	55350	5.216	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.15	63	108633	25.286	ug/l	97
59) 2-Hexanone	9.74	43	149317	23.649	ug/l	98
60) Dibromochloromethane	9.92	129	47212	5.046	ug/l	99
61) 1,2-Dibromoethane	10.06	107	40045	5.173	ug/l	97
64) Tetrachloroethene	9.47	164	48371	5.568	ug/l	97
65) Chlorobenzene	10.69	112	124159	5.395	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.82	131	43223	5.439	ug/l	94
67) Ethyl Benzene	10.83	91	222171	5.886	ug/l	95
68) m/p-Xylenes	10.98	106	162187	11.731	ug/l	98
69) o-Xylene	11.38	106	75696	5.604	ug/l	95
70) Styrene	11.41	104	133302	5.694	ug/l	97
71) Bromoform	11.57	173	34566	4.976	ug/l #	97
73) Isopropylbenzene	11.74	105	209348	5.735	ug/l	97
74) N-amyl acetate	11.62	43	85748	5.313	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	43422	5.174	ug/l	98
76) 1,2,3-Trichloropropane	12.09	75	48426	5.538	ug/l	97
77) Bromobenzene	12.02	156	55042	5.432	ug/l	90
78) n-propylbenzene	12.12	91	266373	5.808	ug/l	94
79) 2-Chlorotoluene	12.19	91	147352	5.627	ug/l	99
80) 1,3,5-Trimethylbenzene	12.29	105	162604	5.939	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.82	75	13753	5.084	ug/l	89
82) 4-Chlorotoluene	12.30	91	171120	6.285	ug/l	92
83) tert-Butylbenzene	12.55	119	176592	5.489	ug/l	90
84) 1,2,4-Trimethylbenzene	12.60	105	171758	5.668	ug/l	95
85) sec-Butylbenzene	12.73	105	223546	5.791	ug/l	99
86) p-Isopropyltoluene	12.86	119	173446	5.724	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	92284	5.401	ug/l	97
88) 1,4-Dichlorobenzene	12.90	146	92159	5.361	ug/l	96
89) n-Butylbenzene	13.17	91	194485	6.398	ug/l	97
90) Hexachloroethane	13.37	117	45355	5.299	ug/l	80
91) 1,2-Dichlorobenzene	13.17	146	85058	6.114	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.75	75	6796	5.466	ug/l	58

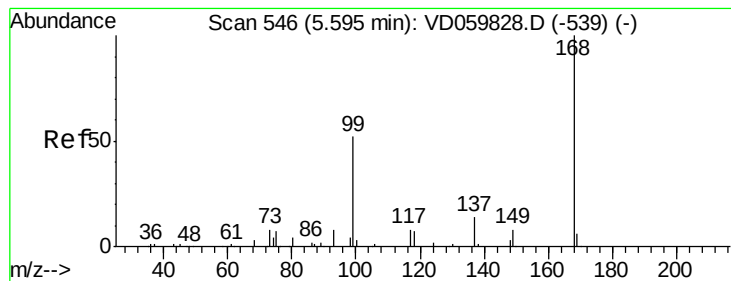
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
Data File : VD059825.D
Acq On : 20 Aug 2018 12:02
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BFB

Quant Time: Aug 21 02:29:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 02:29:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	66184	5.331	ug/l	96
94) Hexachlorobutadiene	14.41	225	42815	5.190	ug/l	99
95) Naphthalene	14.49	128	101838	5.141	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	55393	5.139	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

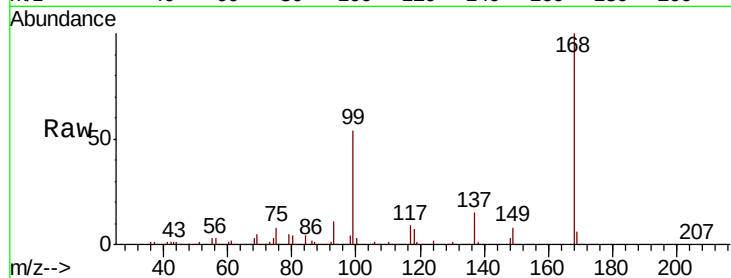
BFB

Tgt Ion: 168 Resp: 974691

Ion Ratio Lower Upper

168 100

99 54.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.60

300000

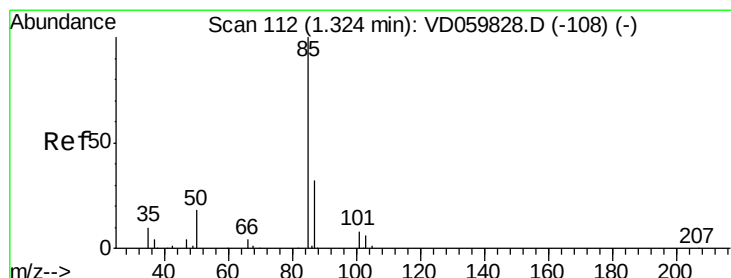
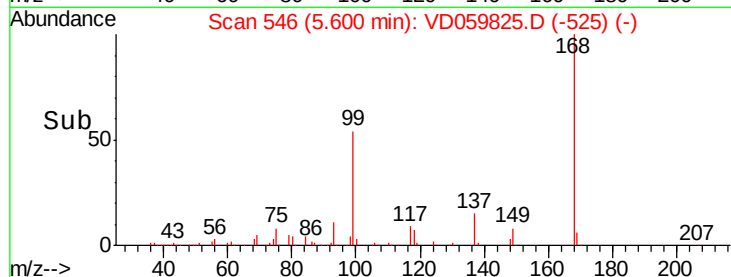
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 6.169 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.01 min

Lab File: VD059825.D

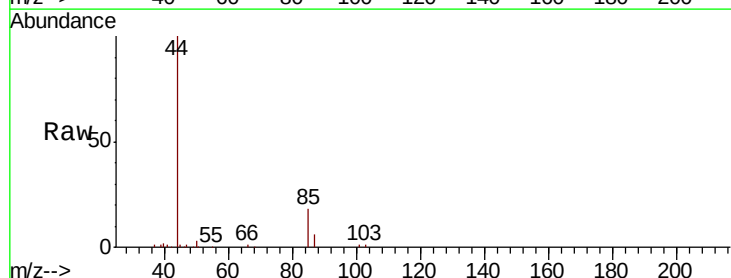
Acq: 20 Aug 2018 12:02

Tgt Ion: 85 Resp: 51652

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

25000

20000

15000

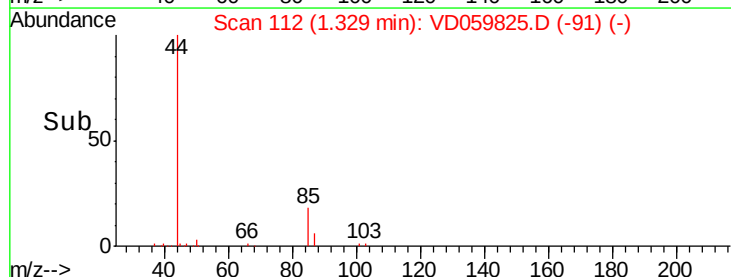
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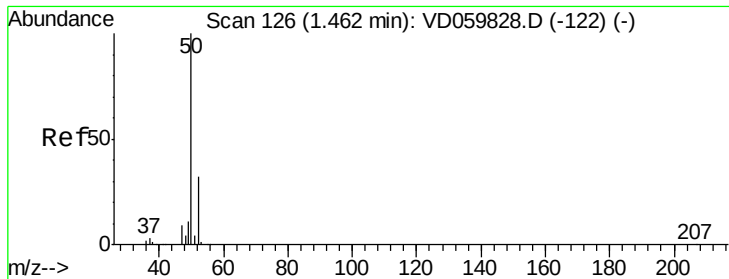
5000

0

1.30 1.40

Time-->





#3

Chloromethane

Concen: 6.338 ug/l

RT: 1.47 min Scan# 126

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

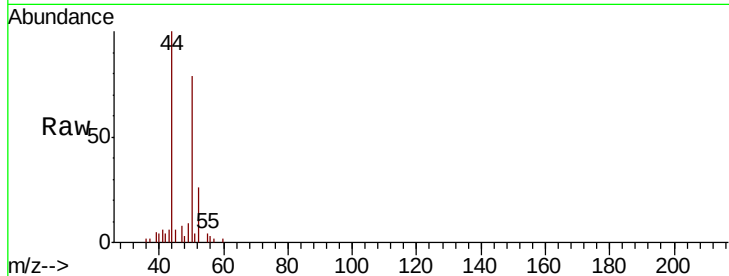
BFB

Tgt Ion: 50 Resp: 44001

Ion Ratio Lower Upper

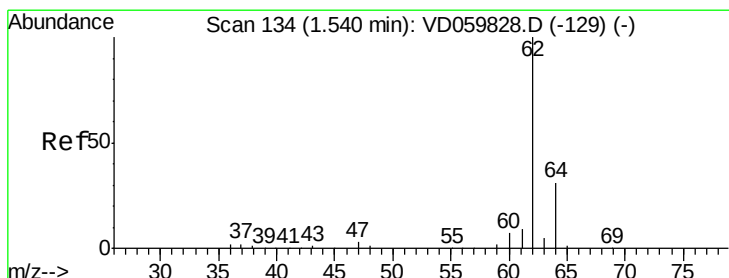
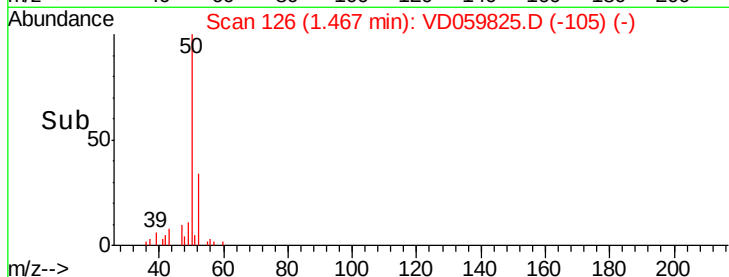
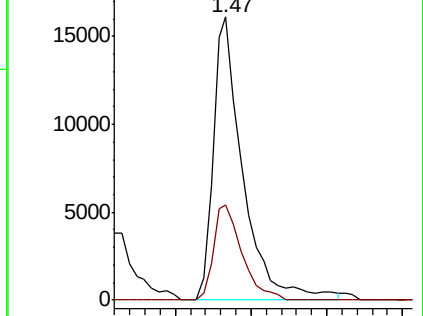
50 100

52 33.5 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.557 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059825.D

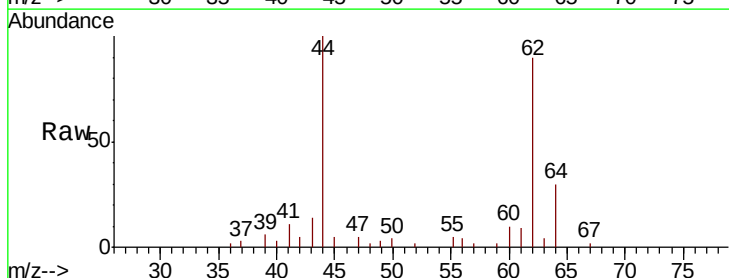
Acq: 20 Aug 2018 12:02

Tgt Ion: 62 Resp: 31265

Ion Ratio Lower Upper

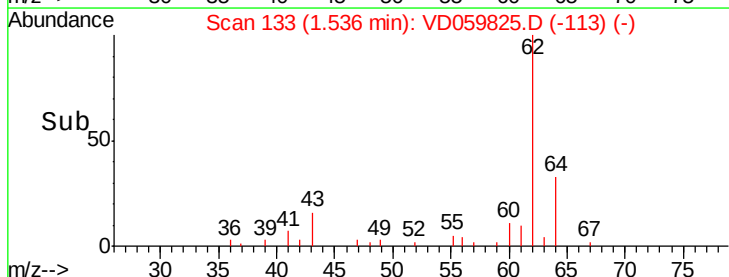
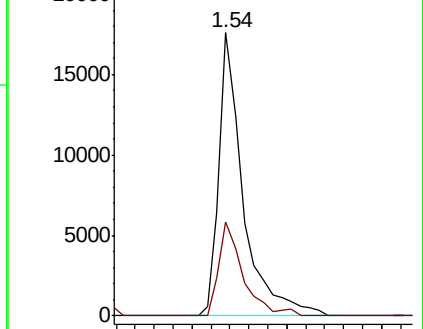
62 100

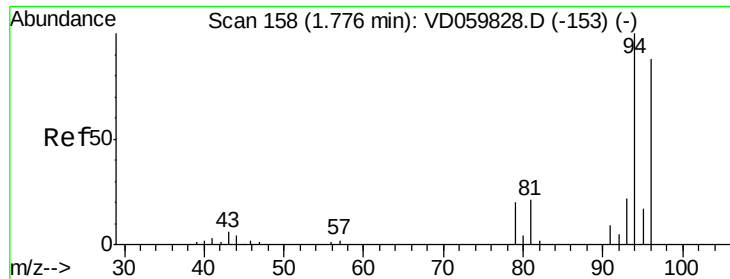
64 33.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 6.248 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

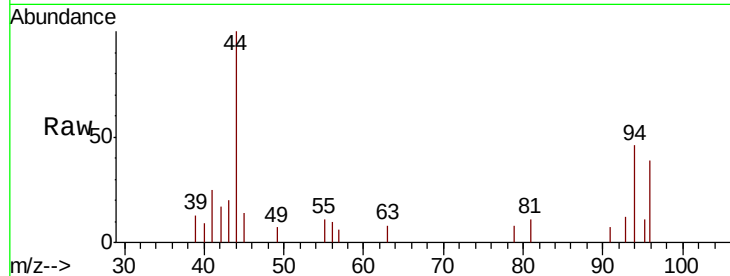
BFB

Tgt Ion: 94 Resp: 4738

Ion Ratio Lower Upper

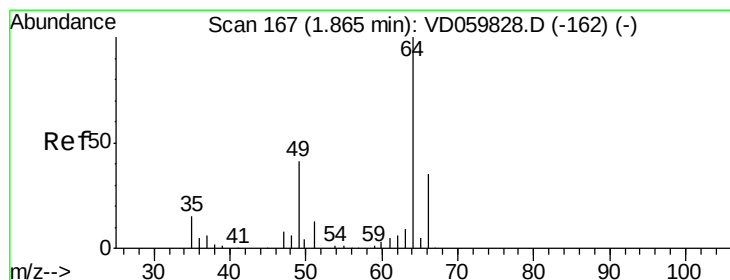
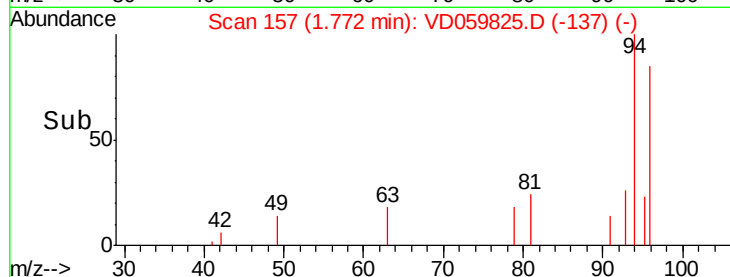
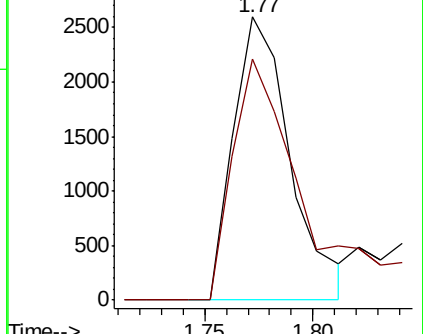
94 100

96 85.2 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.954 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD059825.D

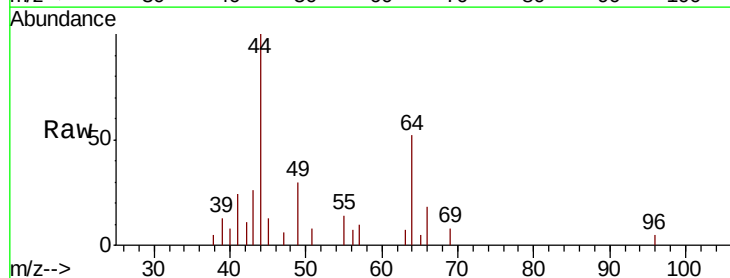
Acq: 20 Aug 2018 12:02

Tgt Ion: 64 Resp: 8383

Ion Ratio Lower Upper

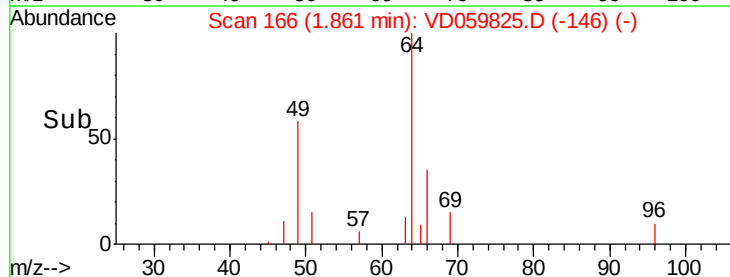
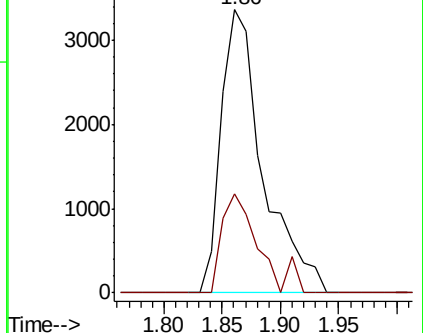
64 100

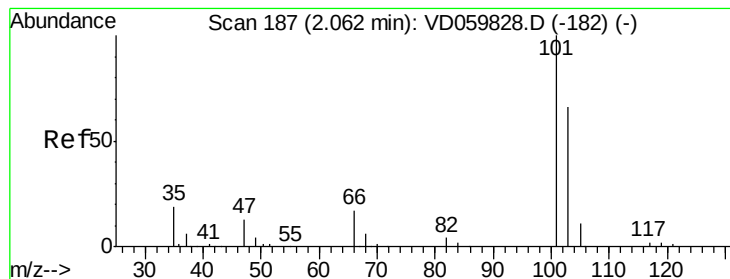
66 34.8 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



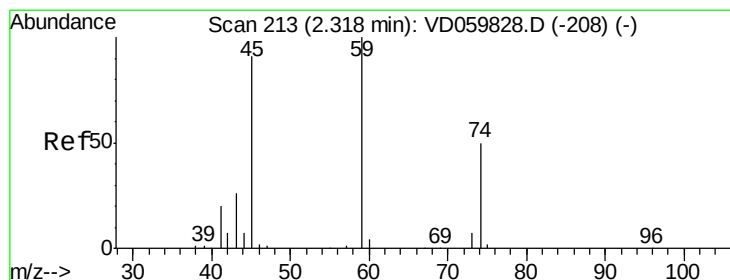
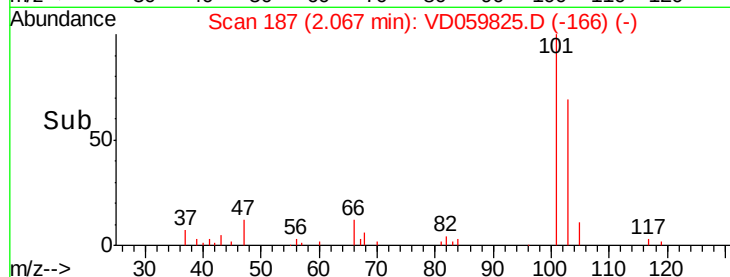
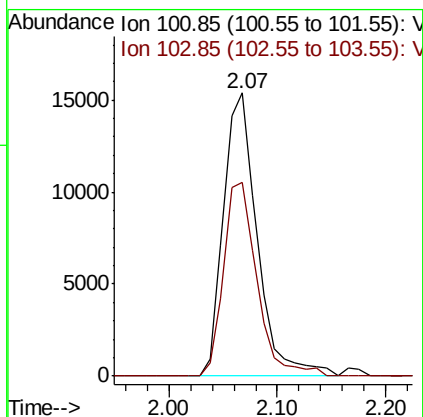
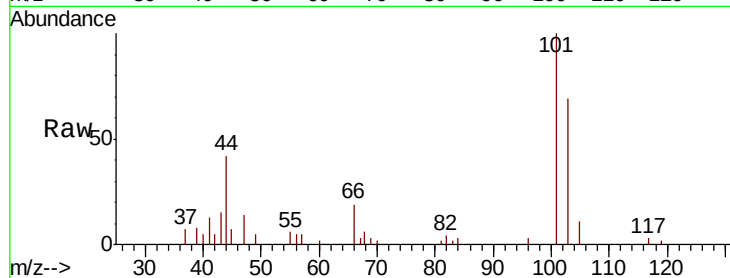


#7

Trichlorofluoromethane
Concen: 5.683 ug/l
RT: 2.07 min Scan# 187
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
BFB

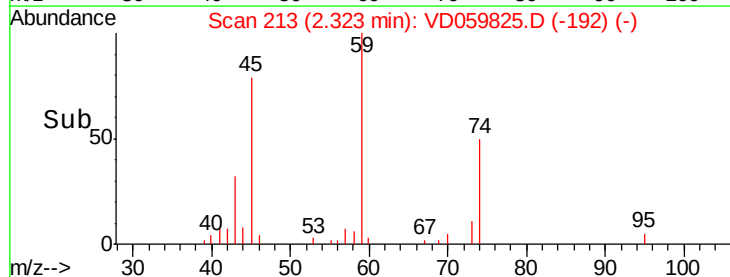
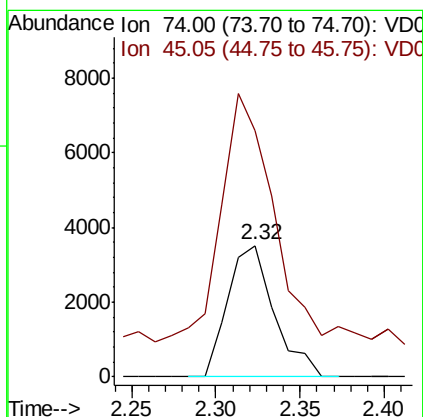
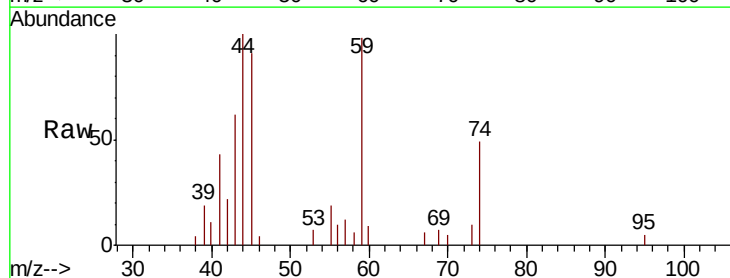
Tgt Ion:101 Resp: 33399
Ion Ratio Lower Upper
101 100
103 68.5 53.0 79.4

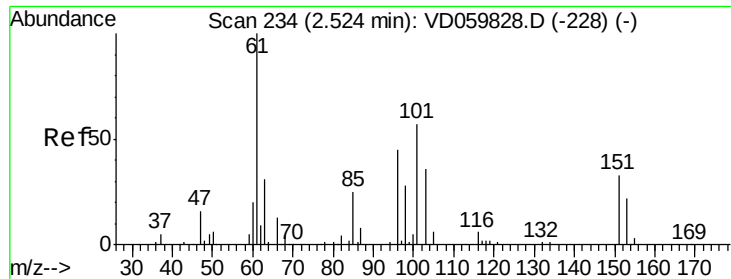


#8

Diethyl Ether
Concen: 5.174 ug/l
RT: 2.32 min Scan# 213
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 74 Resp: 6691
Ion Ratio Lower Upper
74 100
45 186.9 90.6 271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.729 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

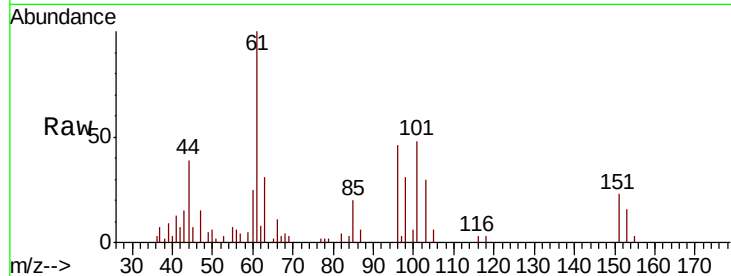
Tgt Ion:101 Resp: 21083

Ion Ratio Lower Upper

101 100

85 42.2 35.7 53.5

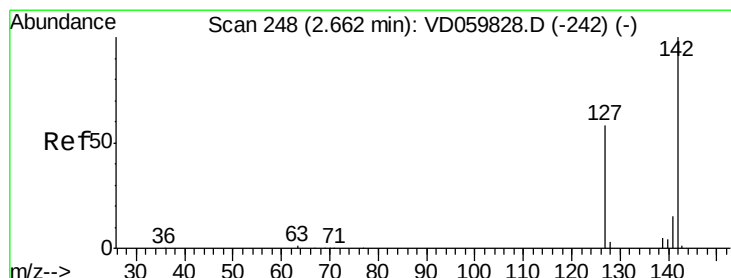
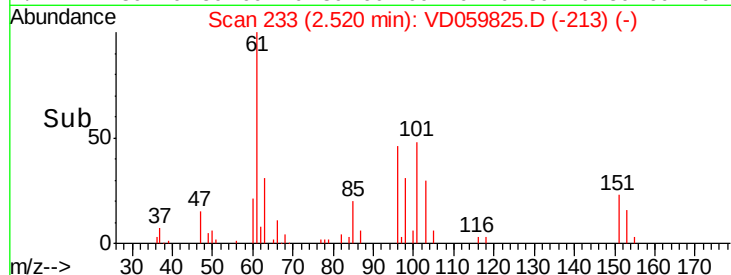
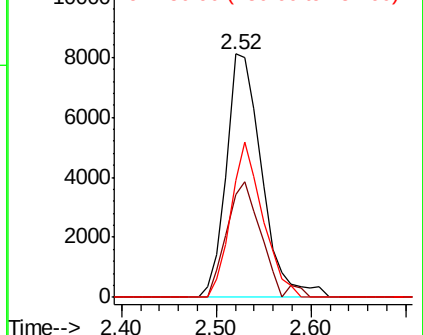
151 47.9 45.8 68.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 4.221 ug/l

RT: 2.66 min Scan# 247

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

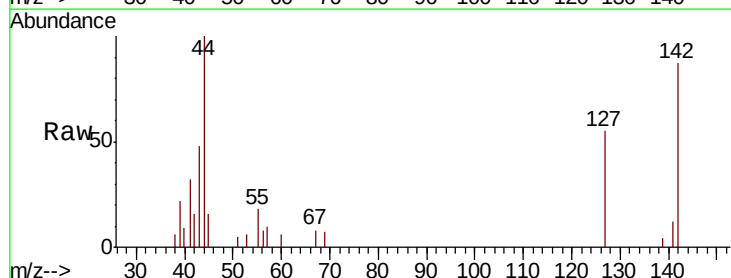
Tgt Ion:142 Resp: 16062

Ion Ratio Lower Upper

142 100

127 63.2 46.6 69.8

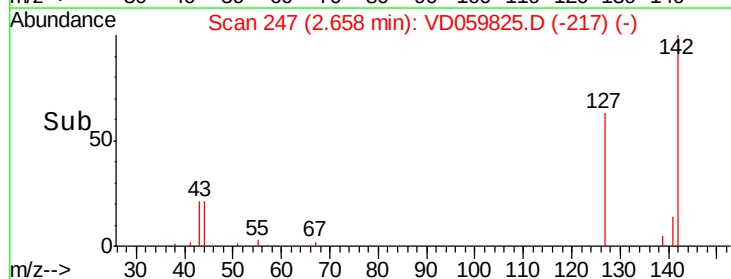
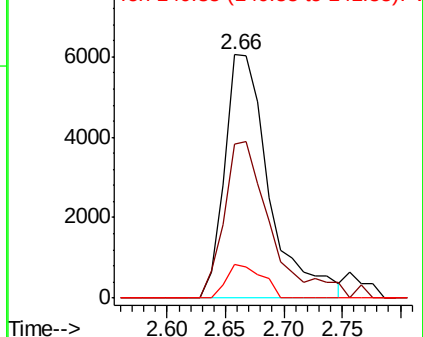
141 14.0 11.7 17.5

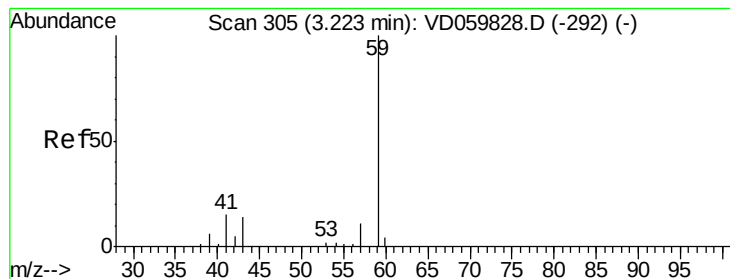


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 28.203 ug/l

RT: 3.22 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

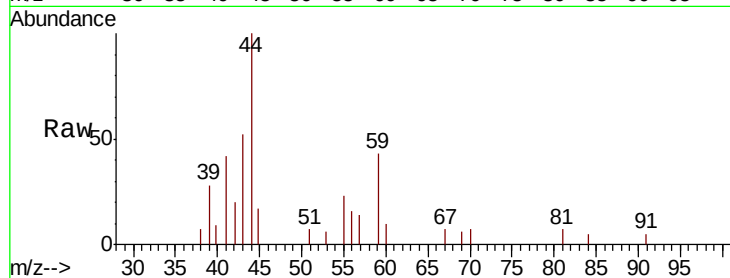
BFB

Tgt Ion: 59 Resp: 8275

Ion Ratio Lower Upper

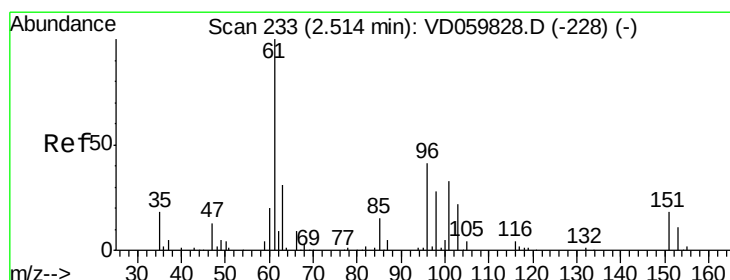
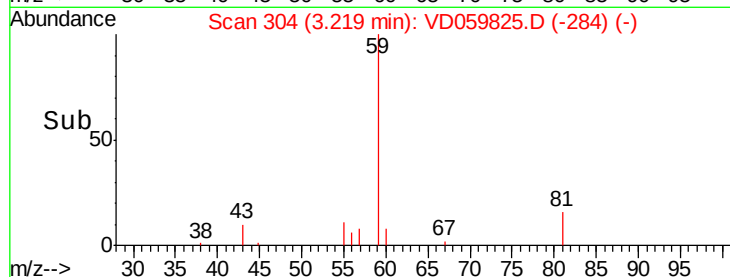
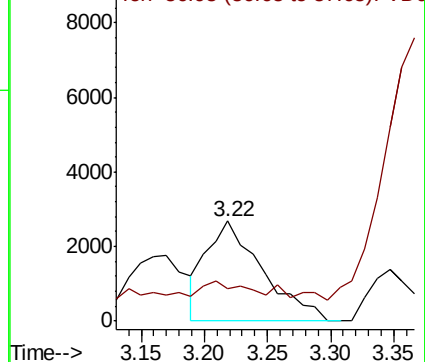
59 100

57 33.0 10.3 15.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 6.103 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

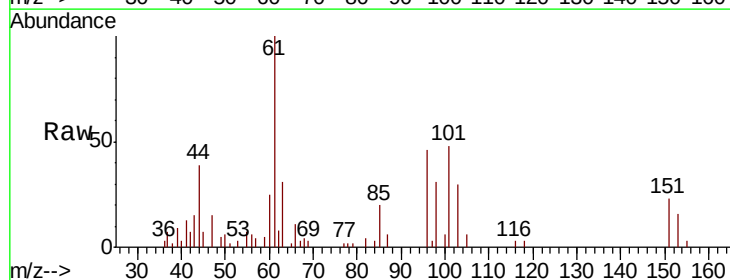
Tgt Ion: 96 Resp: 17565

Ion Ratio Lower Upper

96 100

61 216.7 194.0 291.0

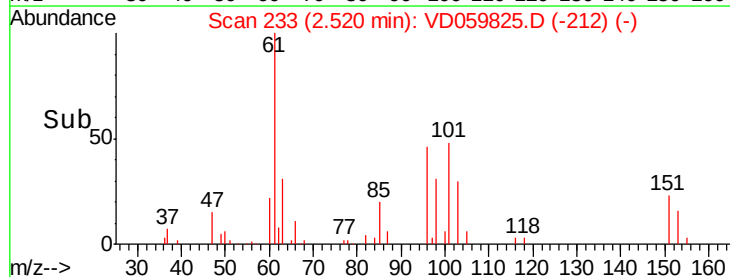
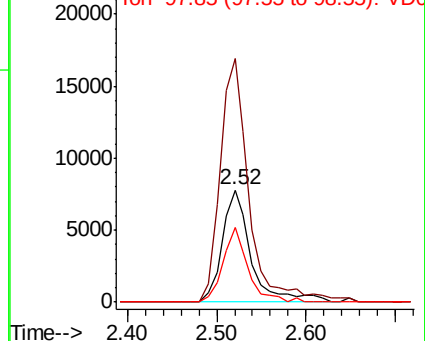
98 66.4 53.4 80.0

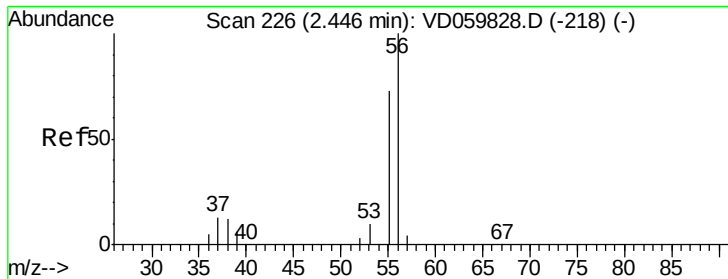


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 21.848 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

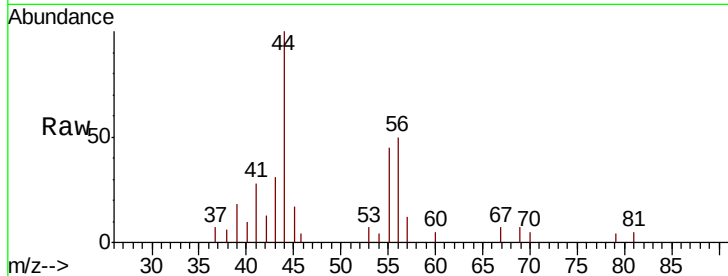
BFB

Tgt Ion: 56 Resp: 6041

Ion Ratio Lower Upper

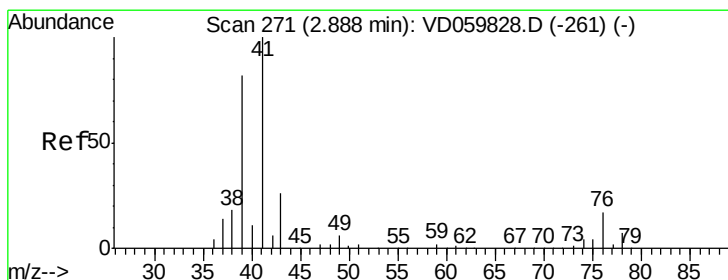
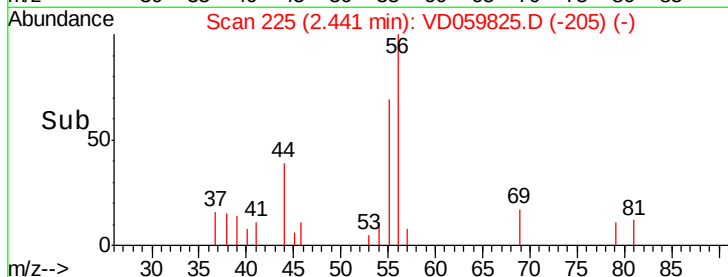
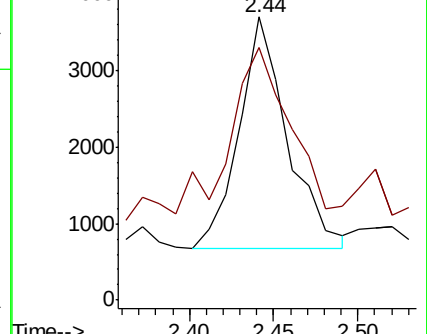
56 100

55 89.3 60.4 90.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.840 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

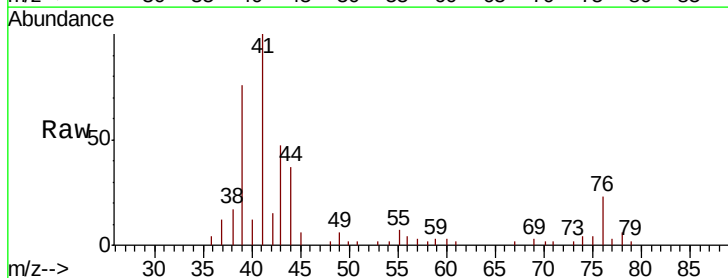
Tgt Ion: 41 Resp: 44560

Ion Ratio Lower Upper

41 100

39 76.4 65.9 98.9

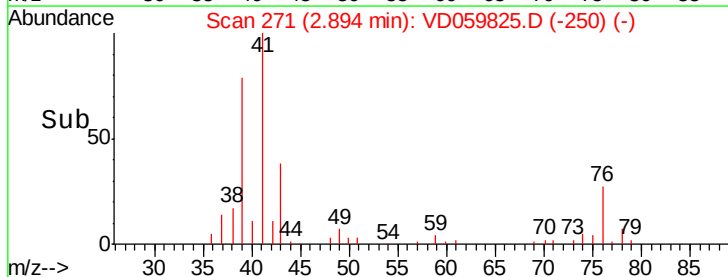
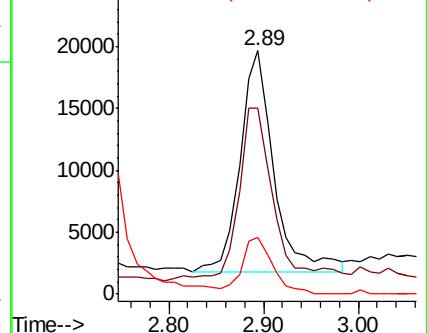
76 23.1 19.9 29.9

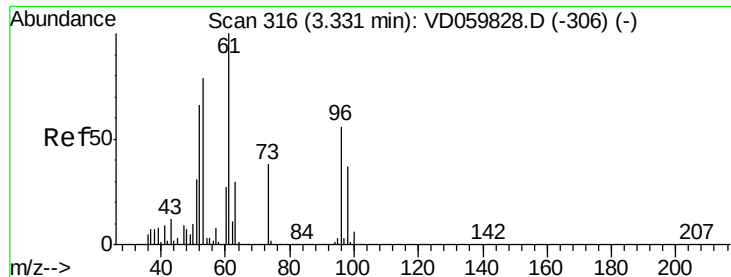


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 28.301 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampled :

BFB

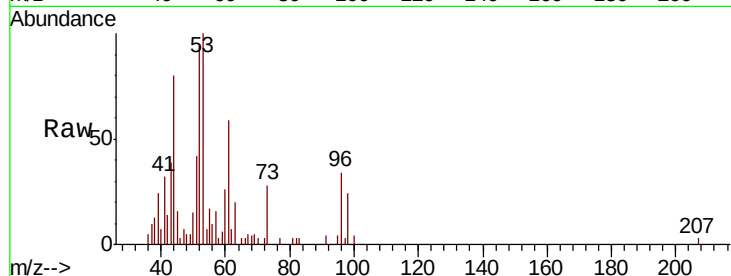
Tgt Ion: 53 Resp: 37500

Ion Ratio Lower Upper

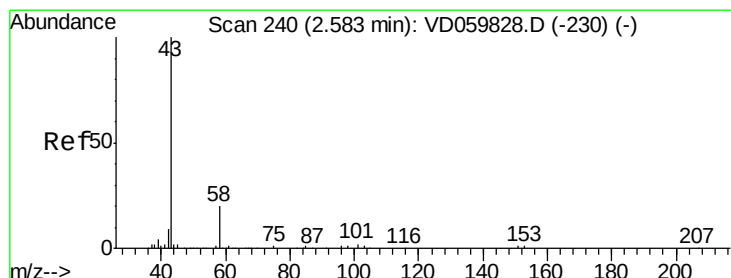
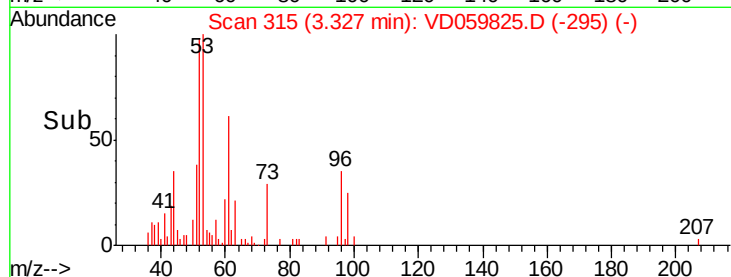
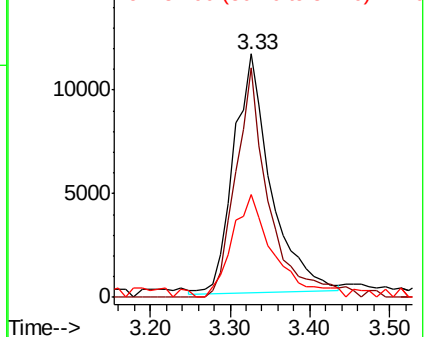
53 100

52 94.2 66.8 100.2

51 42.3 31.6 47.4



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: 23.595 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059825.D

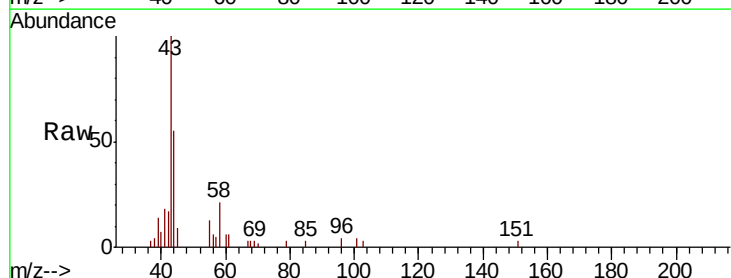
Acq: 20 Aug 2018 12:02

Tgt Ion: 43 Resp: 31245

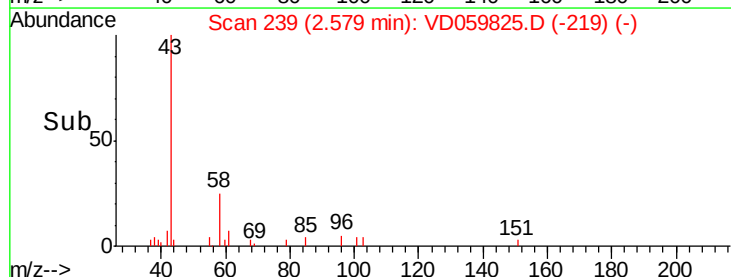
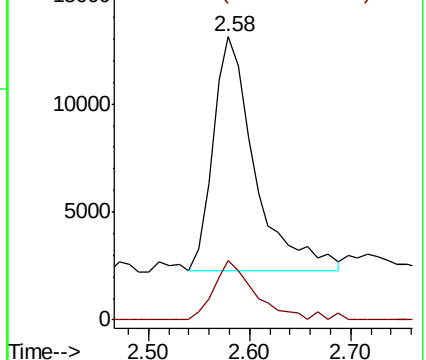
Ion Ratio Lower Upper

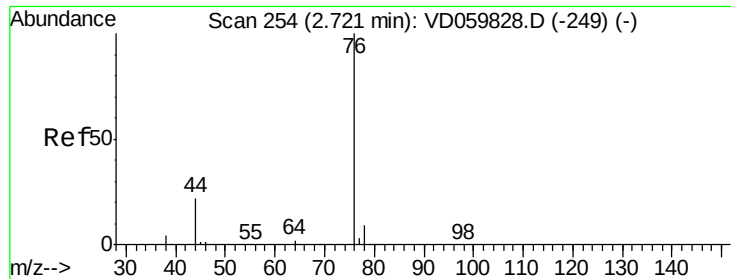
43 100

58 20.9 16.2 24.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

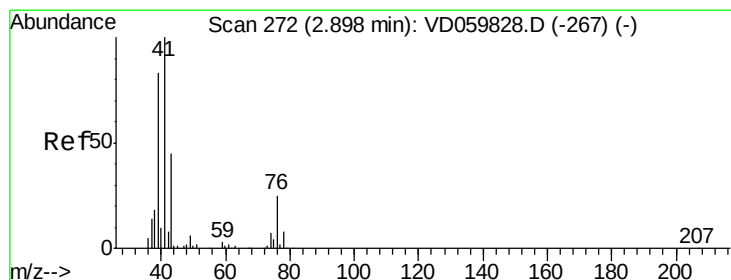
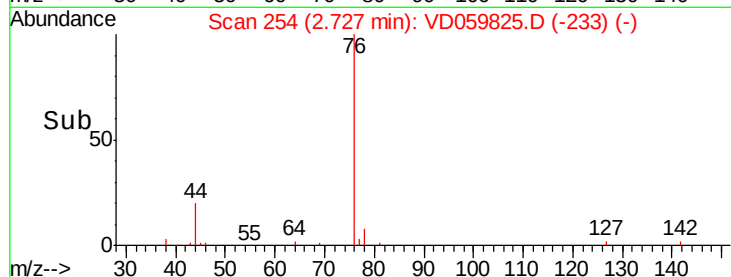
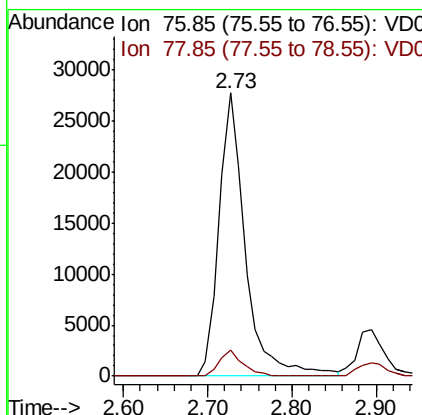
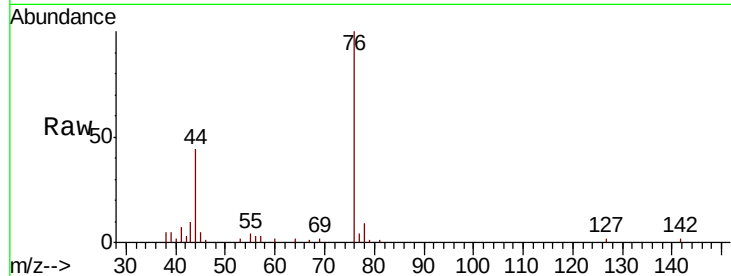




#17
Carbon Disulfide
Concen: 6.257 ug/l
RT: 2.73 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

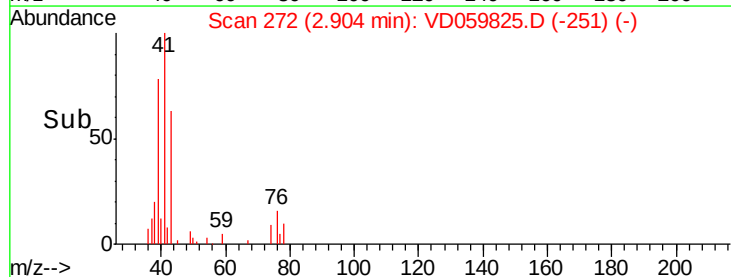
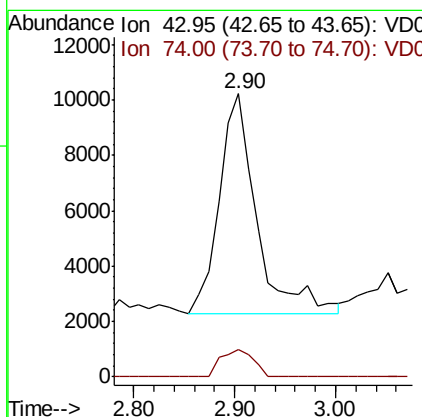
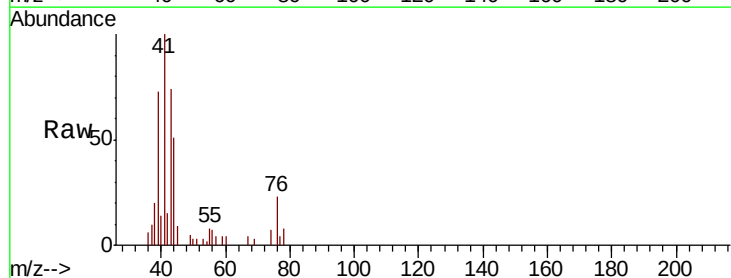
Instrument :
MSVOA_D
ClientSampleId :
BFB

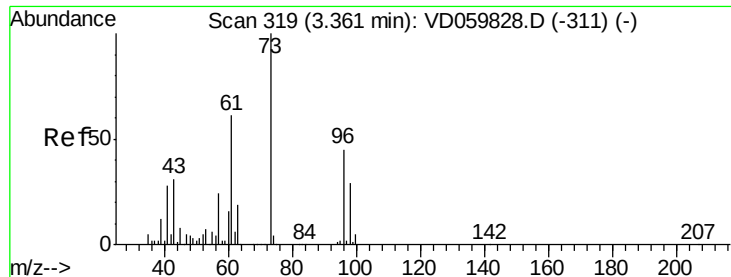
Tgt Ion: 76 Resp: 60294
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 7.113 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 43 Resp: 20553
Ion Ratio Lower Upper
43 100
74 9.7 11.4 17.0#

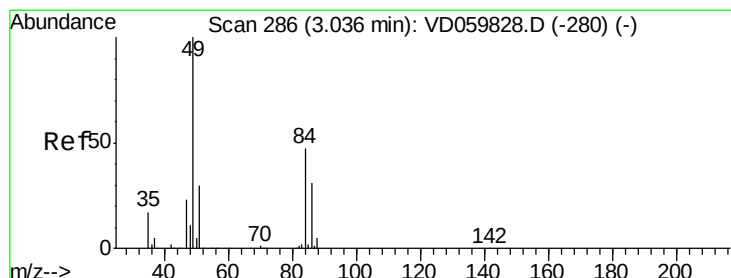
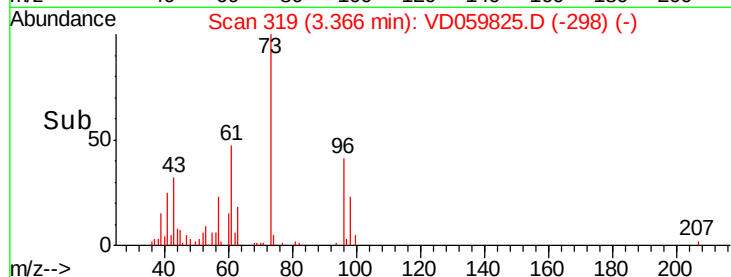
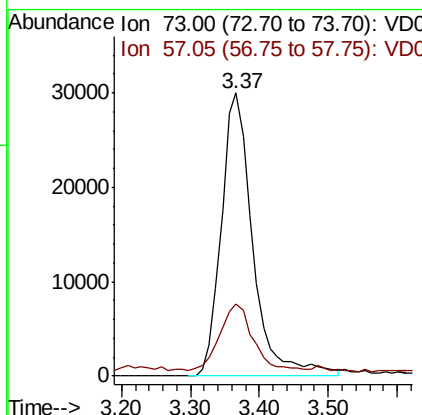
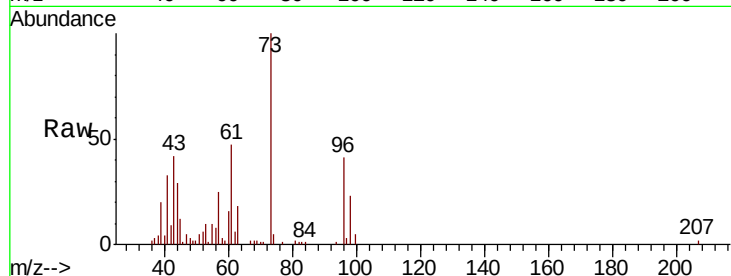




#19
Methyl tert-butyl Ether
Concen: 5.643 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

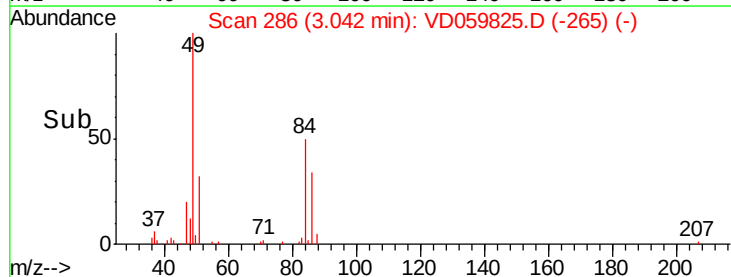
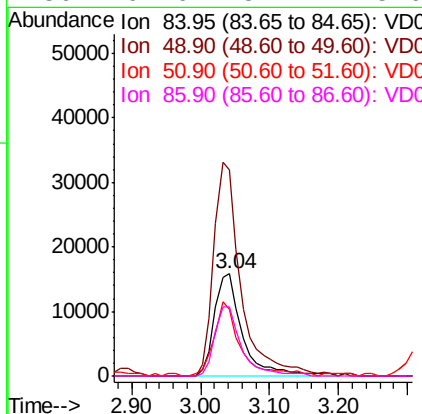
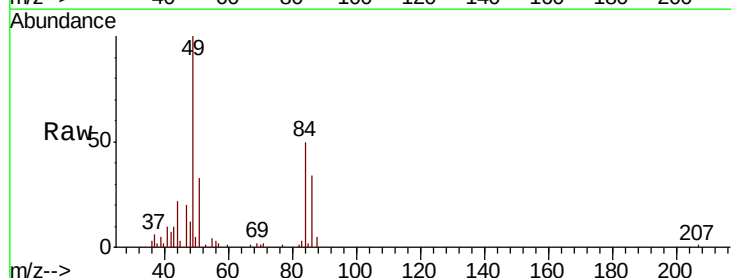
Instrument :
MSVOA_D
ClientSampleId :
BFB

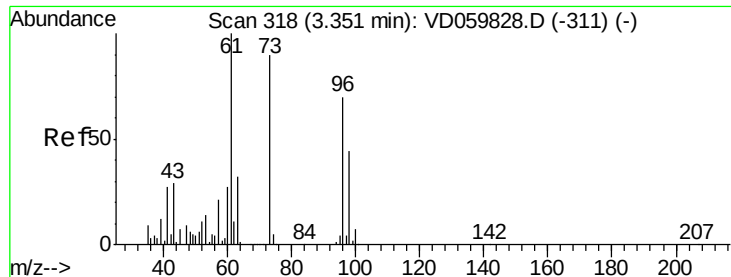
Tgt Ion: 73 Resp: 95248
Ion Ratio Lower Upper
73 100
57 25.3 19.4 29.0



#20
Methylene Chloride
Concen: 10.011 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 84 Resp: 44926
Ion Ratio Lower Upper
84 100
49 201.0 170.4 255.6
51 65.7 51.4 77.0
86 67.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 6.219 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

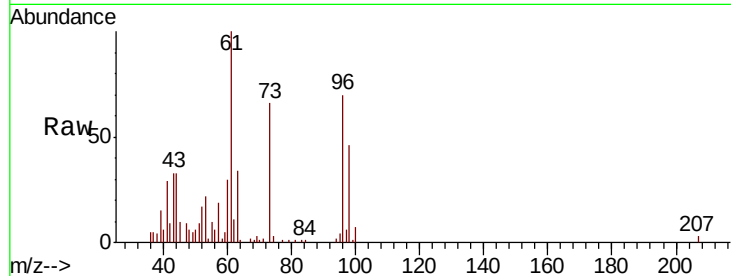
Tgt Ion: 96 Resp: 50053

Ion Ratio Lower Upper

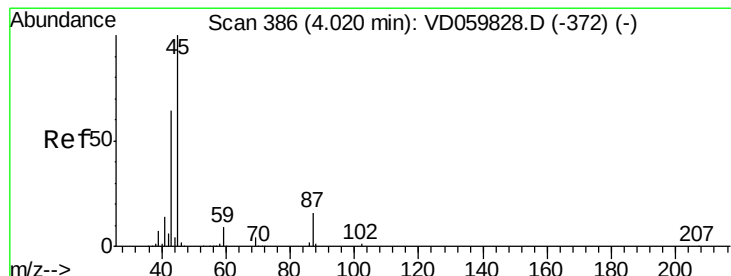
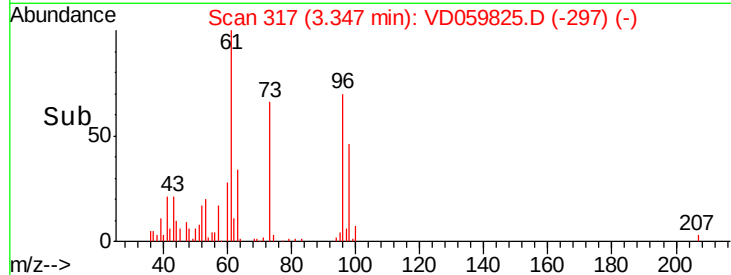
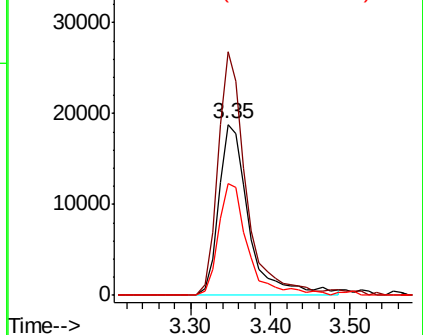
96 100

61 142.5 114.1 171.1

98 65.4 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 5.516 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion: 45 Resp: 216653

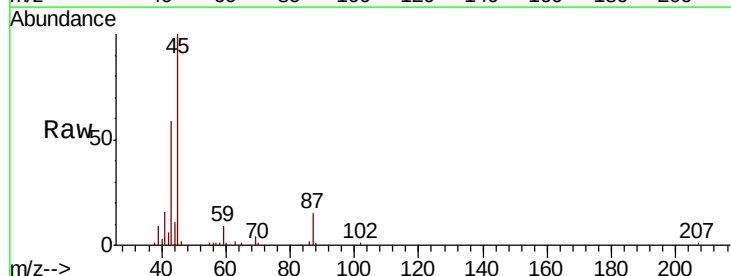
Ion Ratio Lower Upper

45 100

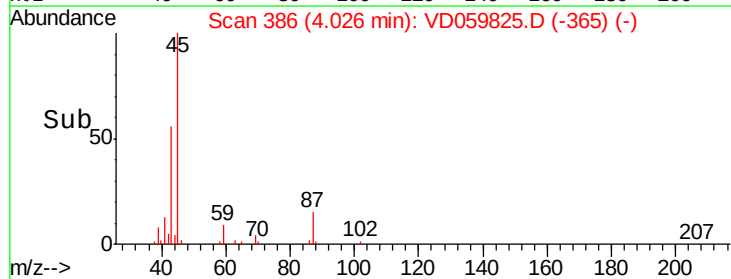
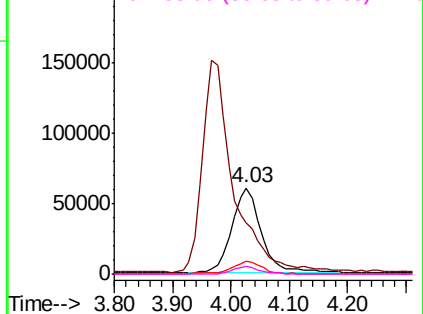
43 58.8 51.1 76.7

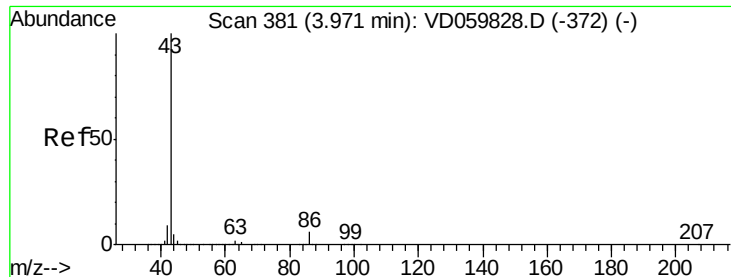
87 14.6 12.5 18.7

59 8.8 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 25.894 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

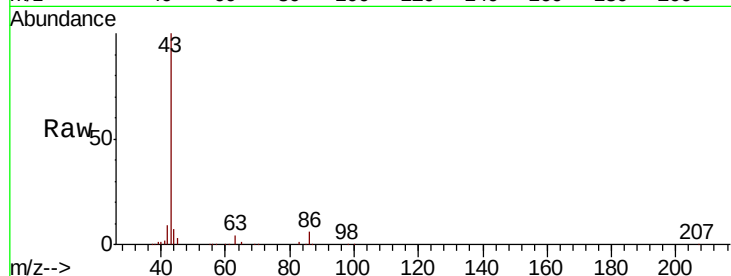
BFB

Tgt Ion: 43 Resp: 549226

Ion Ratio Lower Upper

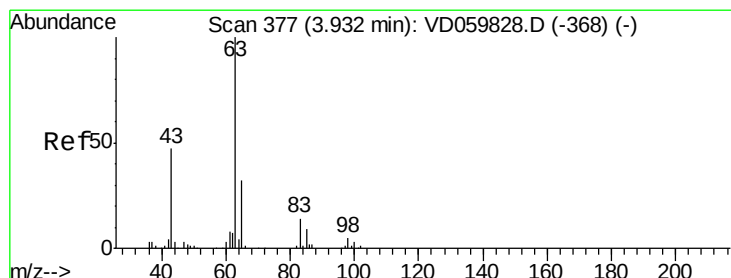
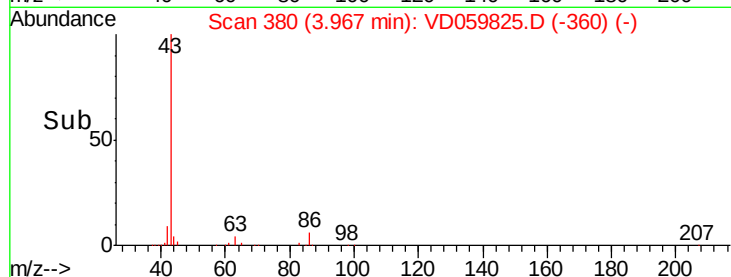
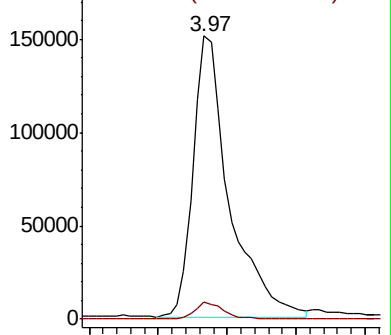
43 100

86 6.3 4.6 7.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.535 ug/l

RT: 3.93 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

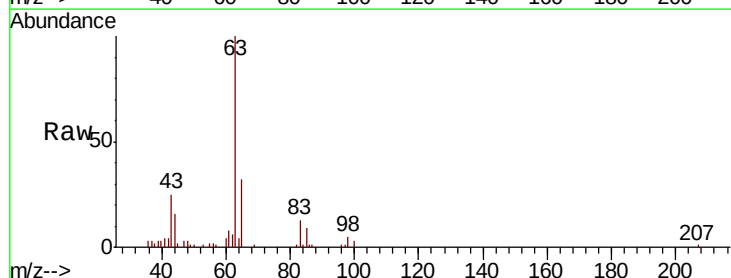
Tgt Ion: 63 Resp: 95031

Ion Ratio Lower Upper

63 100

98 5.1 2.5 7.6

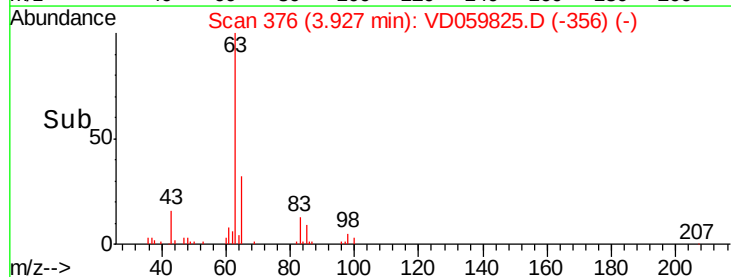
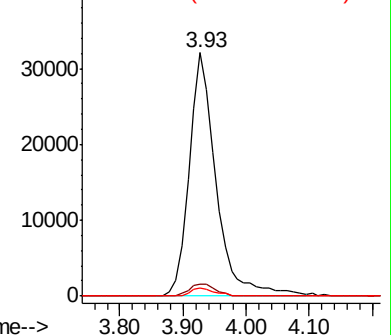
100 3.2 1.7 5.0

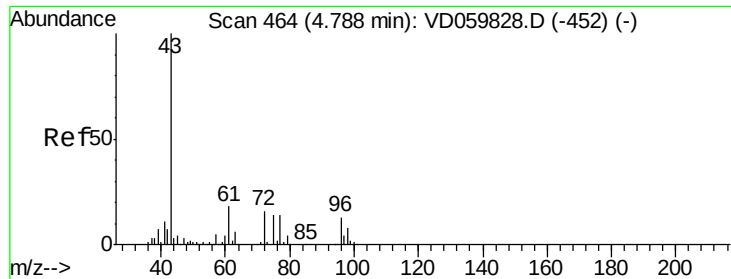


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

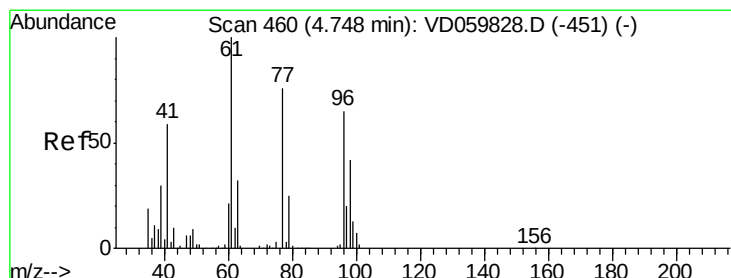
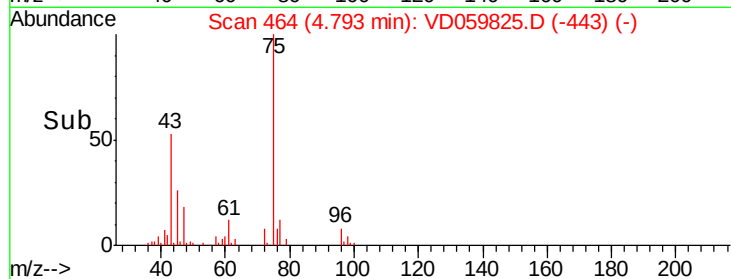
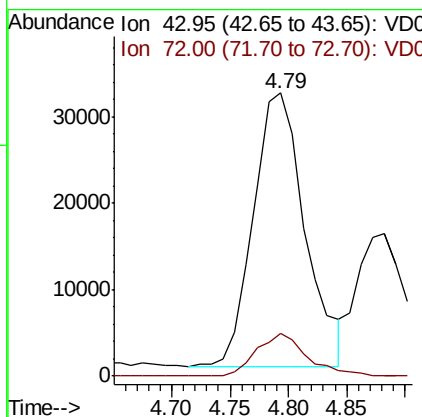
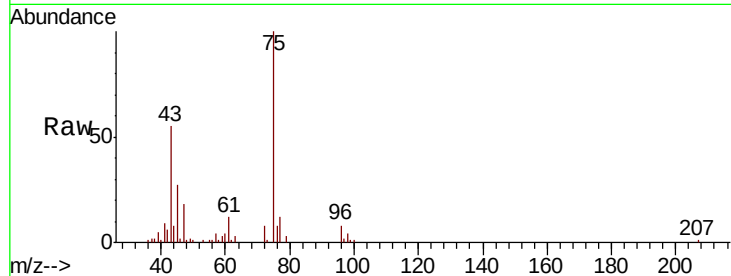




#25
 2-Butanone
 Concen: 24.639 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

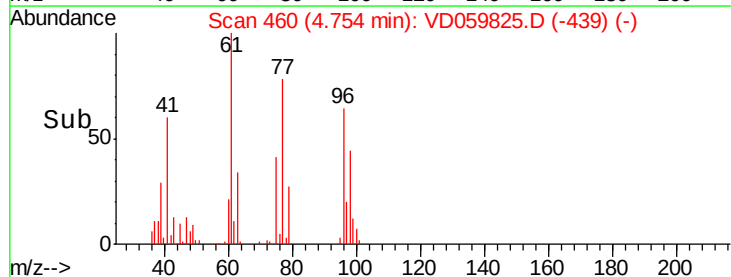
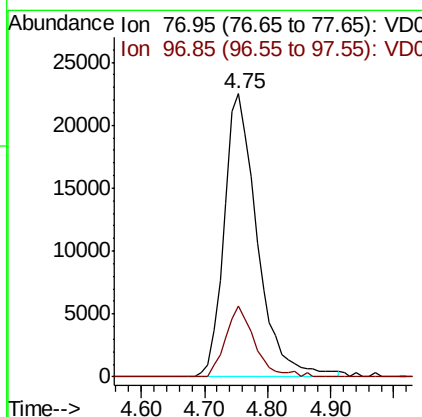
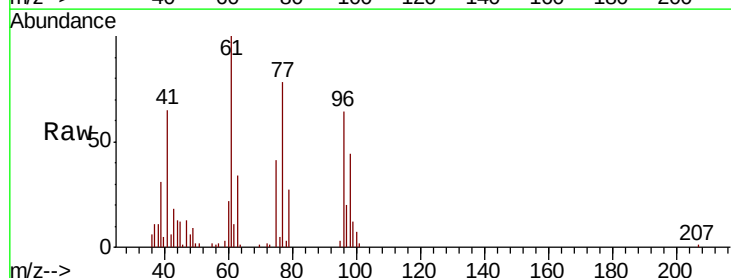
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

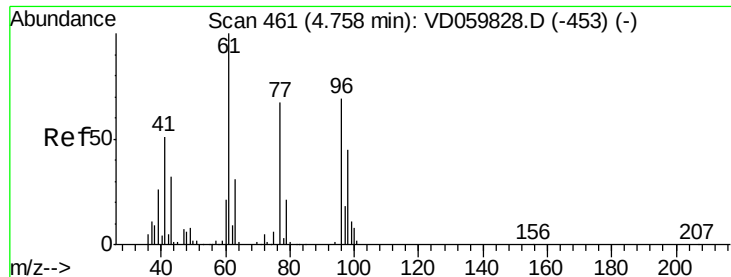
Tgt Ion: 43 Resp: 97975
 Ion Ratio Lower Upper
 43 100
 72 15.1 12.4 18.6



#26
 2,2-Dichloropropane
 Concen: 6.011 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 77 Resp: 81884
 Ion Ratio Lower Upper
 77 100
 97 25.1 13.0 38.9





#27

cis-1,2-Dichloroethene

Concen: 5.417 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampled :

BFB

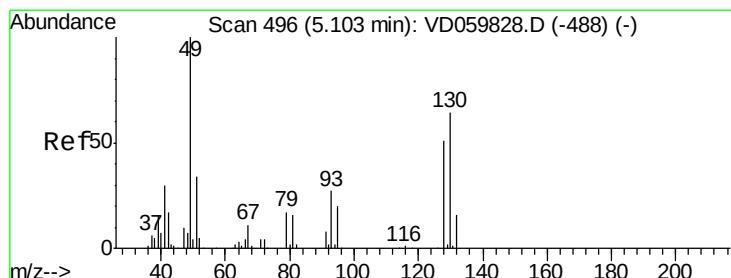
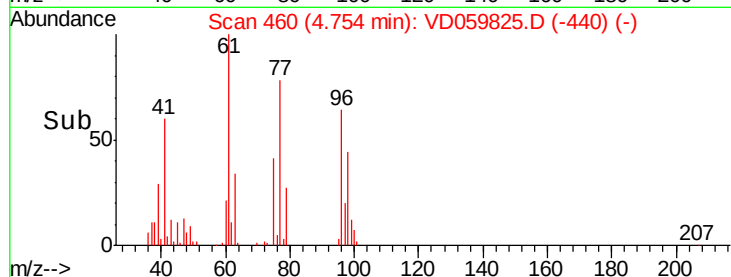
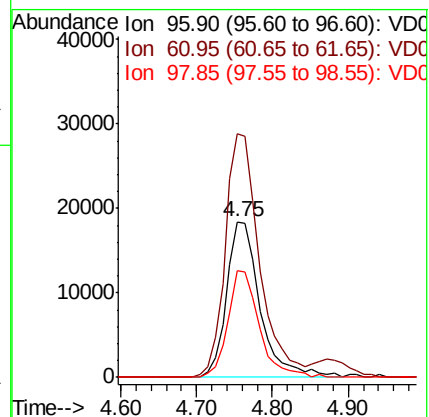
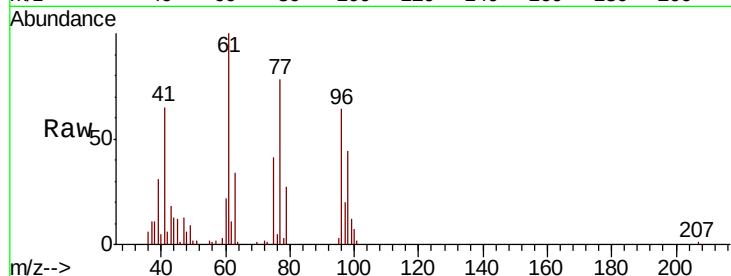
Tgt Ion: 96 Resp: 56103

Ion Ratio Lower Upper

96 100

61 156.6 0.0 291.8

98 68.8 0.0 131.6



#28

Bromochloromethane

Concen: 5.463 ug/l

RT: 5.10 min Scan# 495

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

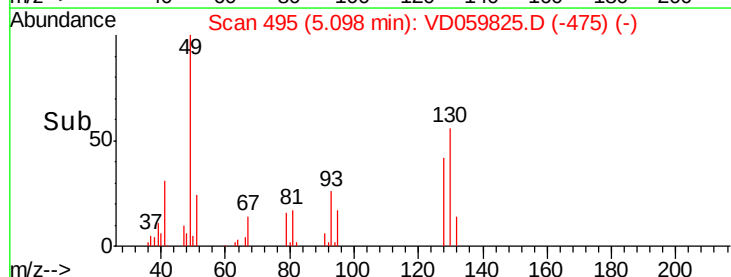
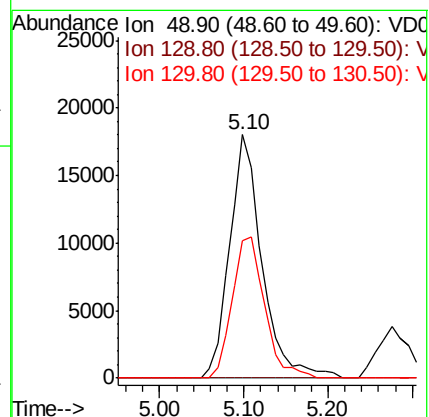
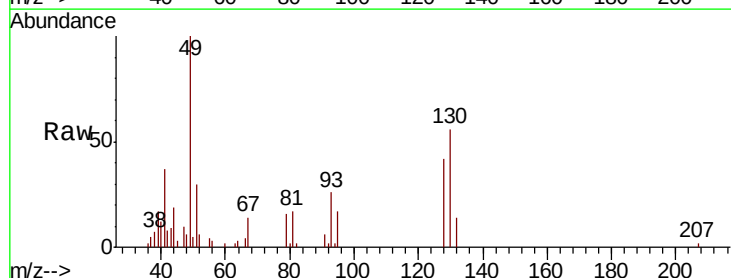
Tgt Ion: 49 Resp: 48080

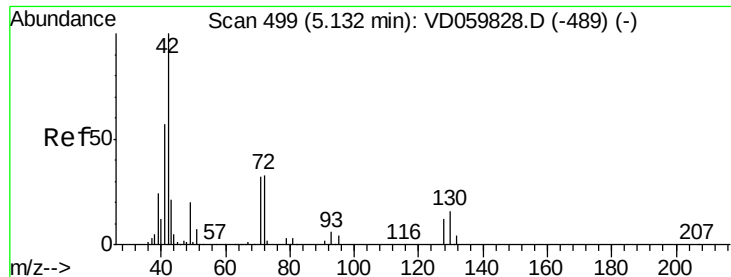
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 56.2 51.0 76.6

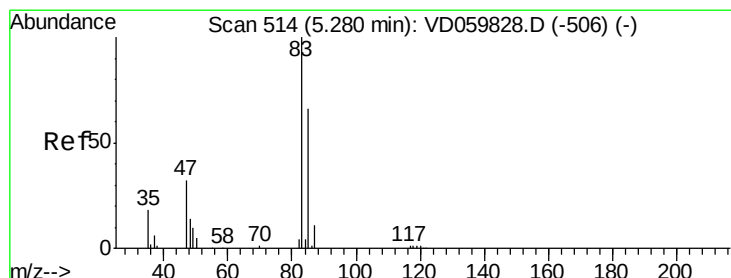
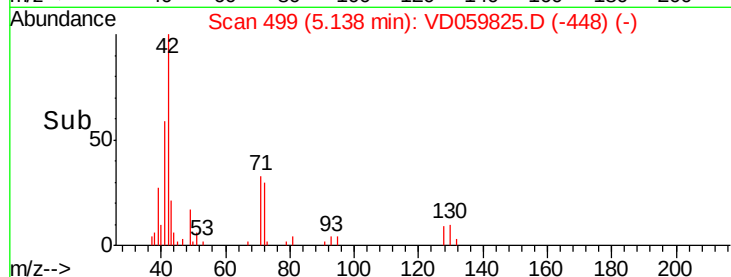
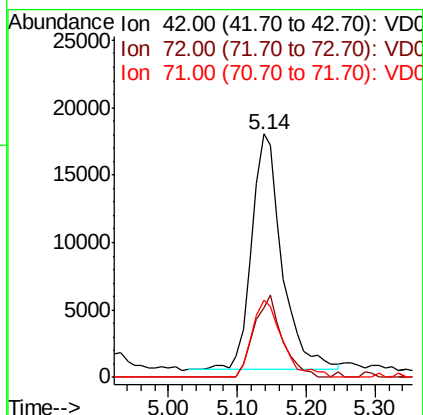
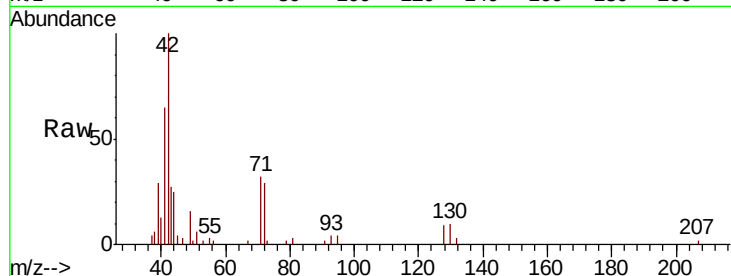




#29
Tetrahydrofuran
Concen: 26.624 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

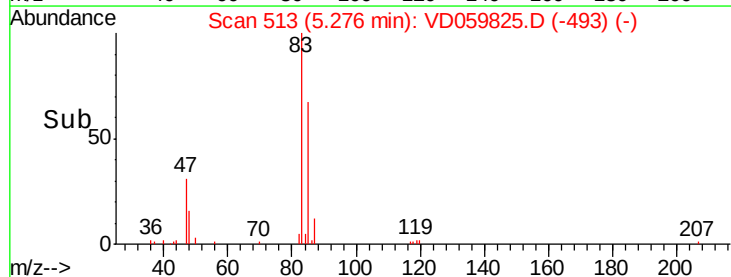
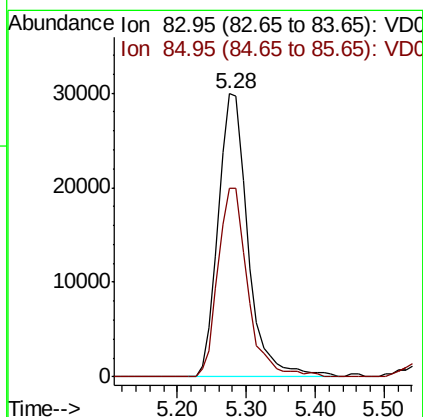
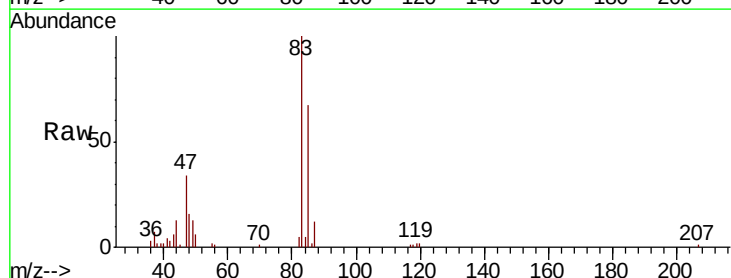
Instrument :
MSVOA_D
ClientSampleId :
BFB

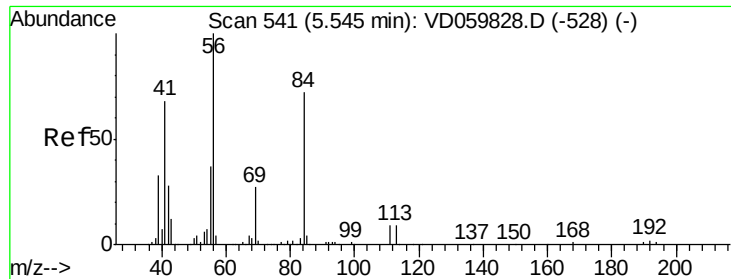
Tgt Ion: 42 Resp: 53098
Ion Ratio Lower Upper
42 100
72 32.6 25.8 38.6
71 32.9 25.7 38.5



#30
Chloroform
Concen: 5.309 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 83 Resp: 89786
Ion Ratio Lower Upper
83 100
85 66.7 52.9 79.3

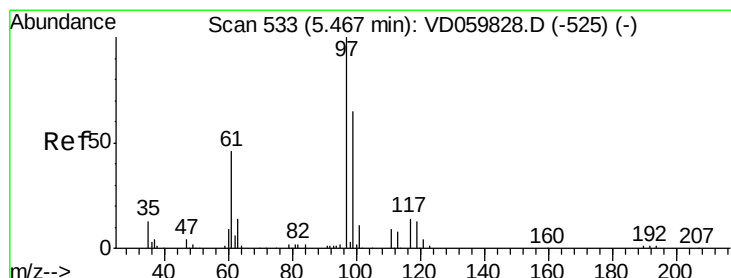
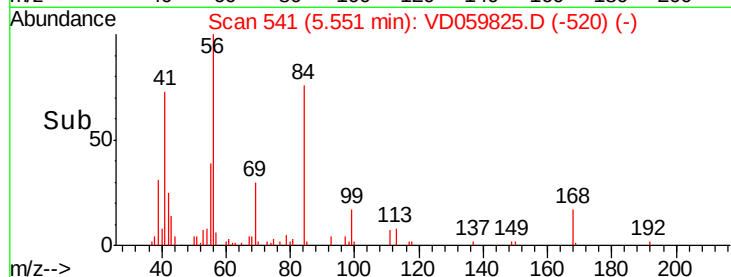
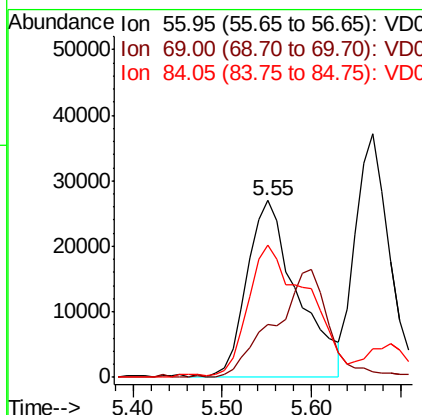
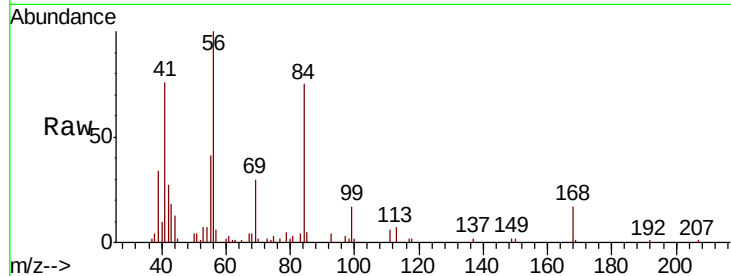




#31
Cyclohexane
Concen: 6.745 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

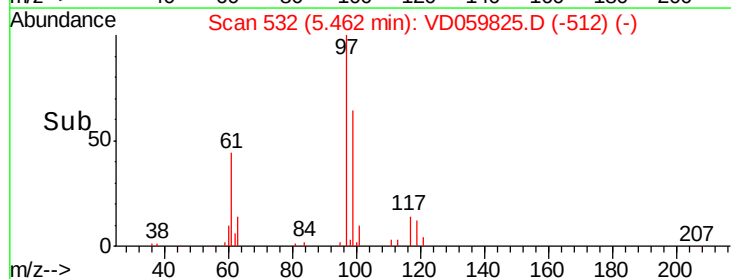
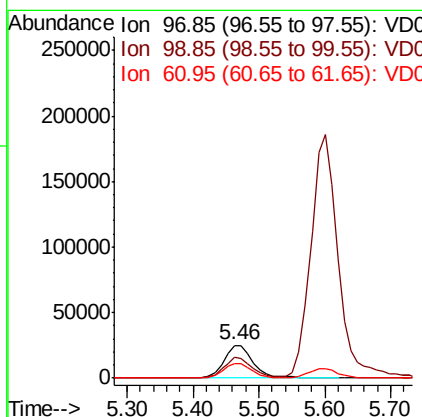
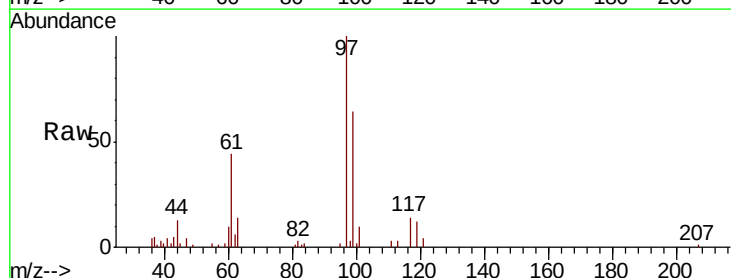
Instrument :
MSVOA_D
ClientSampled :
BFB

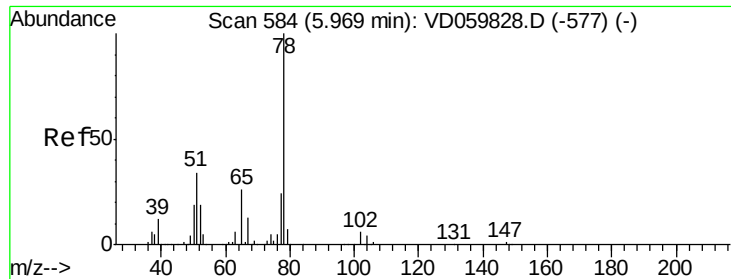
Tgt Ion: 56 Resp: 105838
Ion Ratio Lower Upper
56 100
69 29.7 21.7 32.5
84 74.5 57.8 86.6



#32
1,1,1-Trichloroethane
Concen: 5.450 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 97 Resp: 77798
Ion Ratio Lower Upper
97 100
99 63.7 51.9 77.9
61 44.2 37.0 55.6

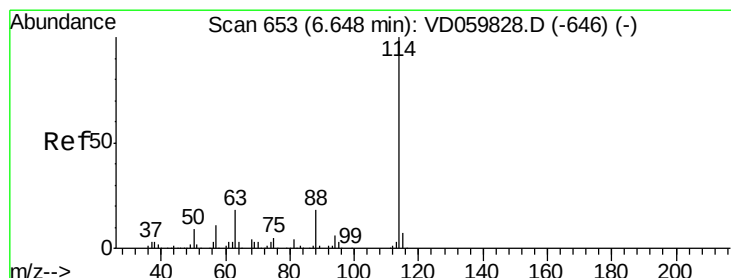
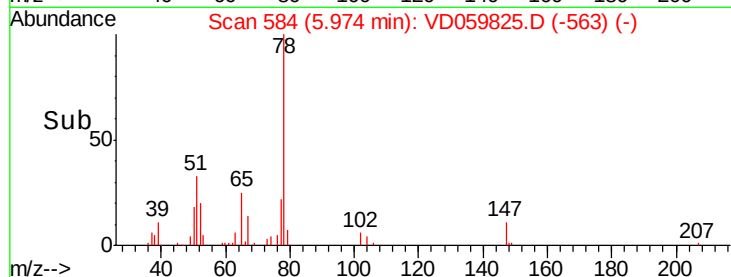
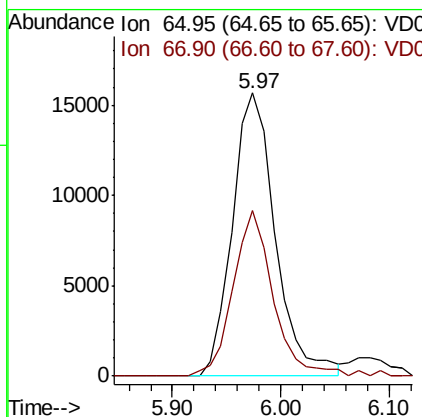
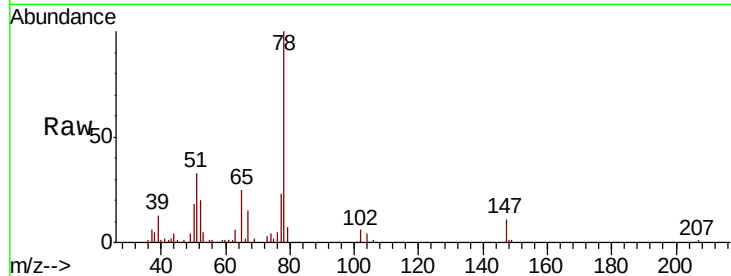




#33
 1,2-Dichloroethane-d4
 Concen: 5.450 ug/l
 RT: 5.97 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

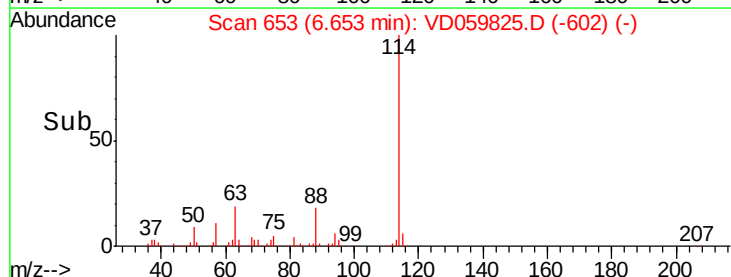
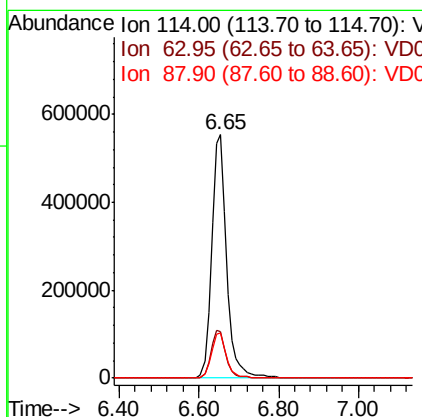
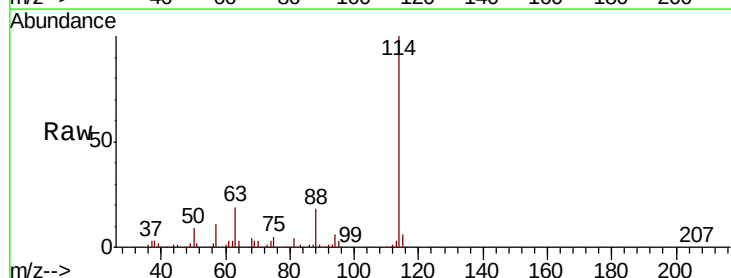
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

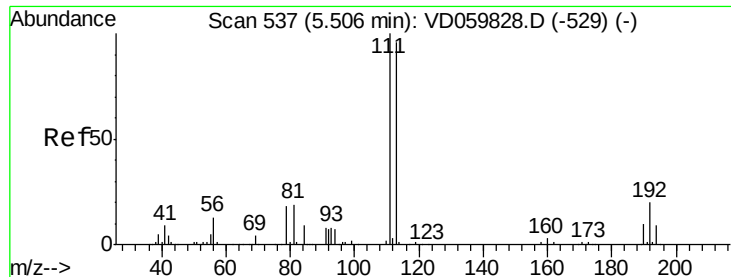
Tgt Ion: 65 Resp: 43245
 Ion Ratio Lower Upper
 65 100
 67 58.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 114 Resp: 1451292
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 18.4 0.0 37.0

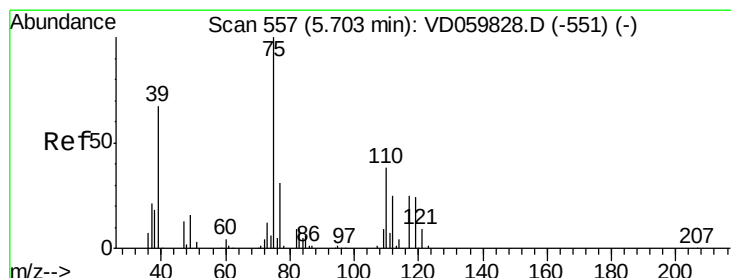
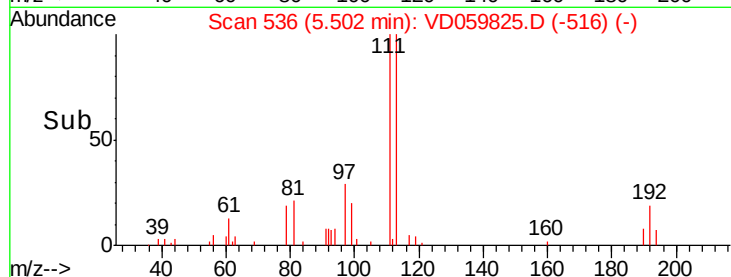
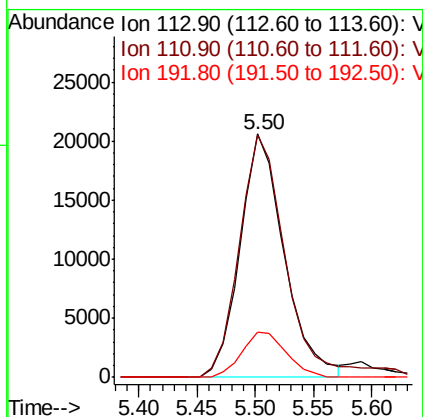
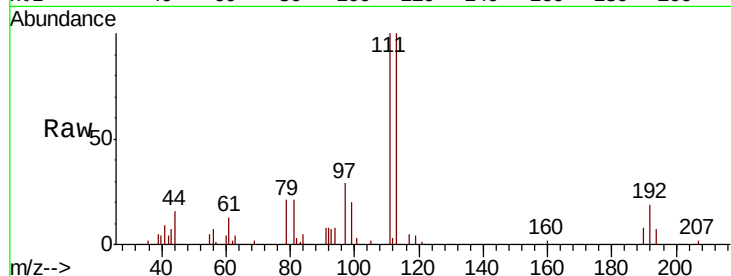




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

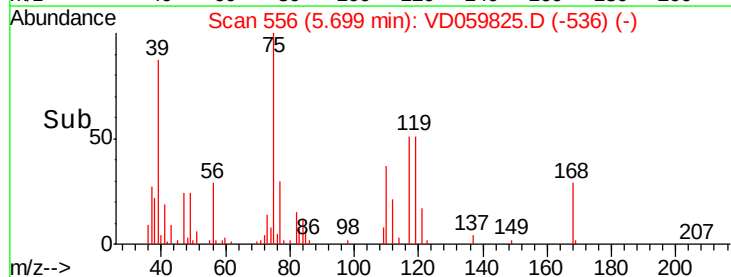
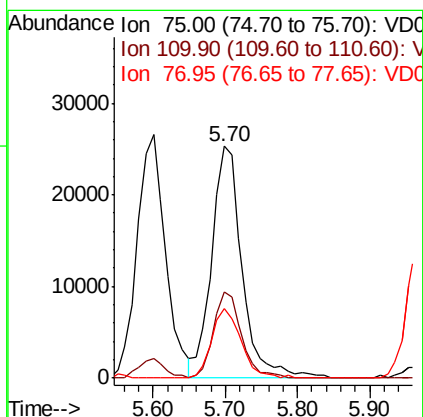
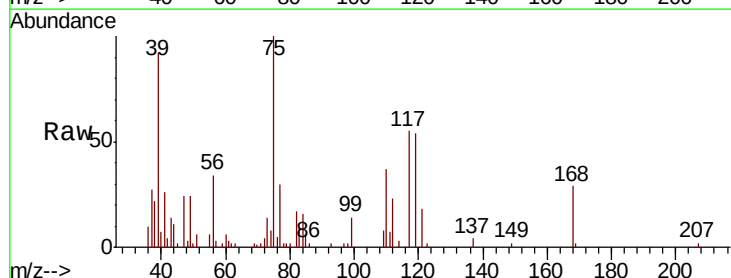
Instrument :
MSVOA_D
ClientSampled :
BFB

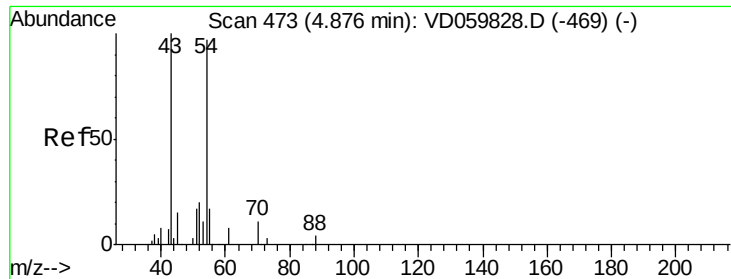
Tgt Ion: 113 Resp: 53811
Ion Ratio Lower Upper
113 100
111 99.7 83.3 124.9
192 18.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.889 ug/l
RT: 5.70 min Scan# 556
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 75 Resp: 73526
Ion Ratio Lower Upper
75 100
110 37.1 18.8 56.4
77 29.9 24.9 37.3

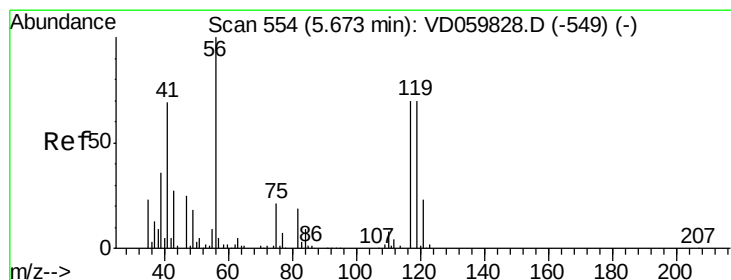
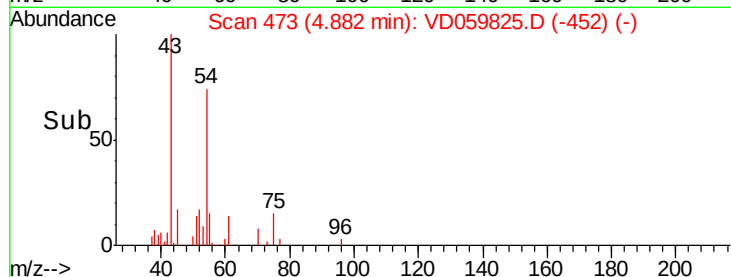
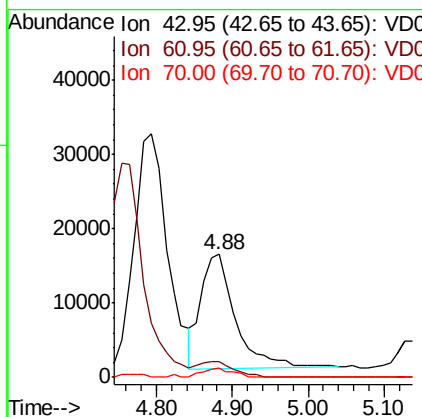
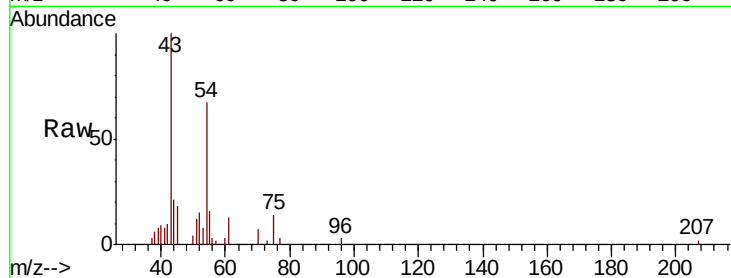




#37
 Ethyl Acetate
 Concen: 5.385 ug/l
 RT: 4.88 min Scan# 473
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

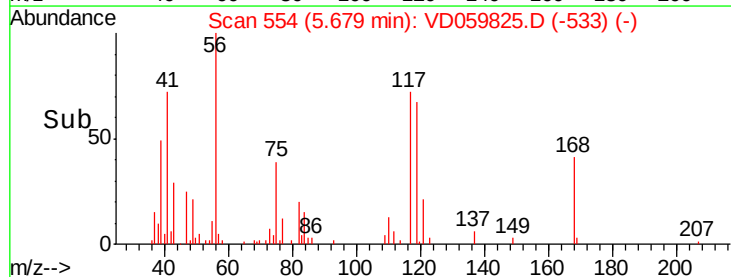
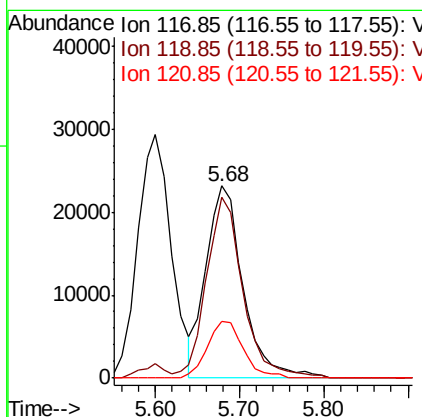
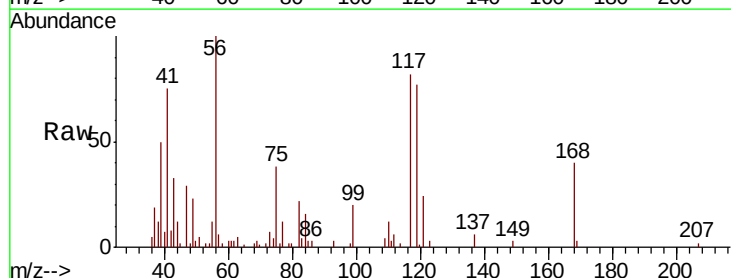
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

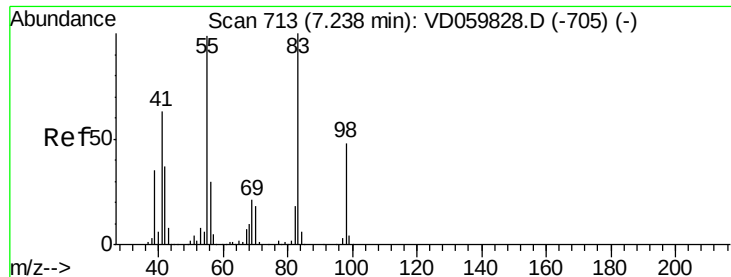
Tgt Ion: 43 Resp: 48922
 Ion Ratio Lower Upper
 43 100
 61 12.5 10.4 15.6
 70 7.4 6.2 9.2



#38
 Carbon Tetrachloride
 Concen: 5.689 ug/l
 RT: 5.68 min Scan# 554
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 117 Resp: 70617
 Ion Ratio Lower Upper
 117 100
 119 94.3 77.0 115.4
 121 29.4 24.7 37.1

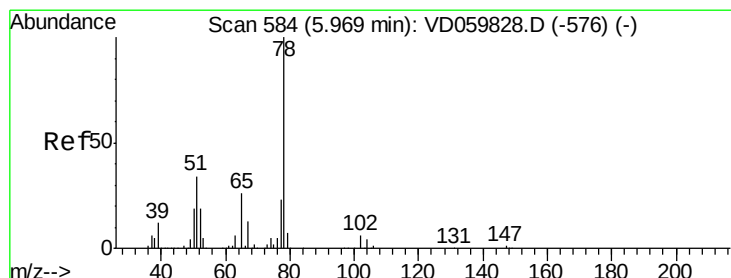
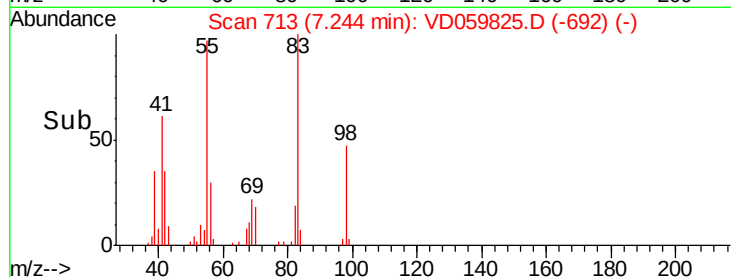
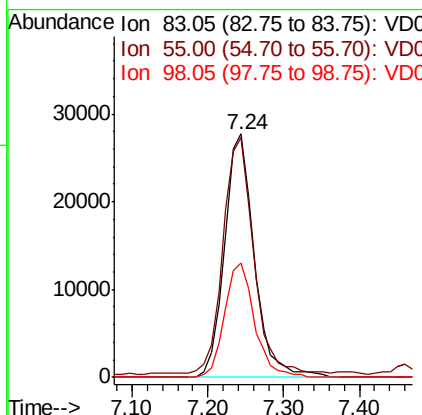
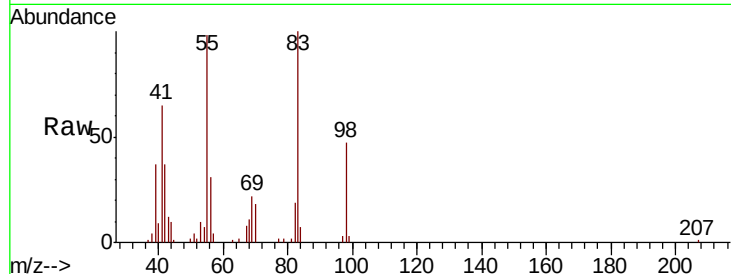




#39
Methylcyclohexane
Concen: 5.655 ug/l
RT: 7.24 min Scan# 713
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

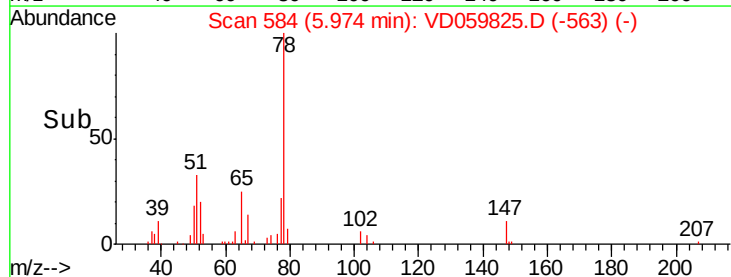
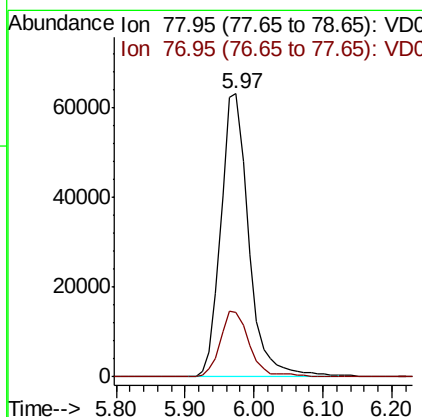
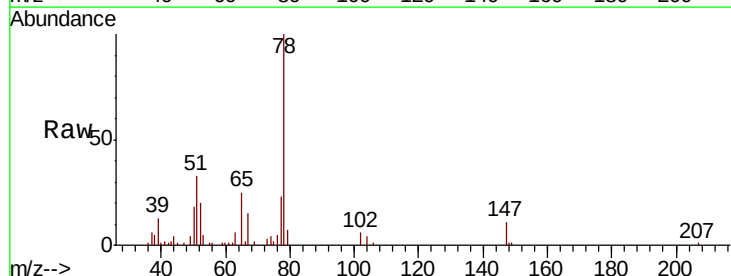
Instrument :
MSVOA_D
ClientSampleId :
BFB

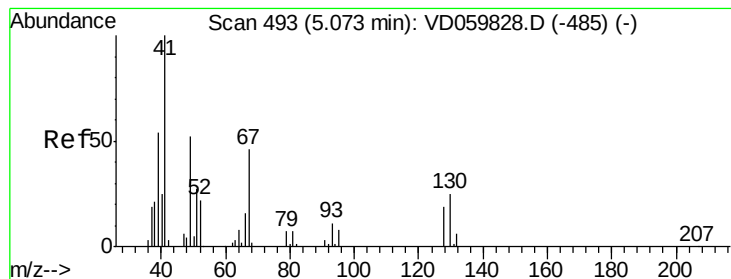
Tgt Ion: 83 Resp: 75053
Ion Ratio Lower Upper
83 100
55 98.5 79.0 118.6
98 46.9 38.1 57.1



#40
Benzene
Concen: 5.506 ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 78 Resp: 177464
Ion Ratio Lower Upper
78 100
77 22.6 18.8 28.2





#41

Methacrylonitrile

Concen: 5.569 ug/l

RT: 5.08 min Scan# 493

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 26054

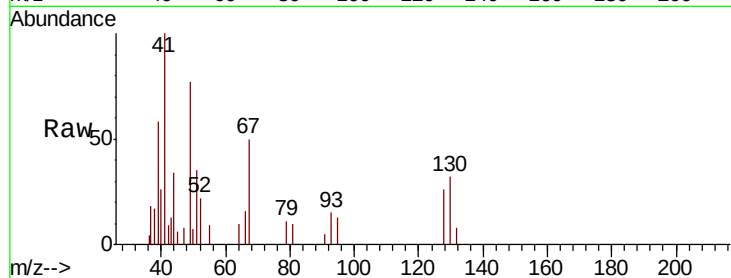
Ion Ratio Lower Upper

41 100

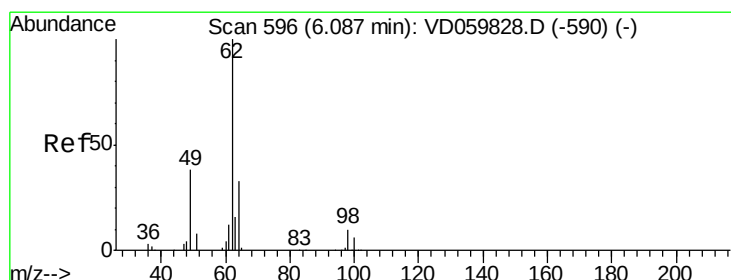
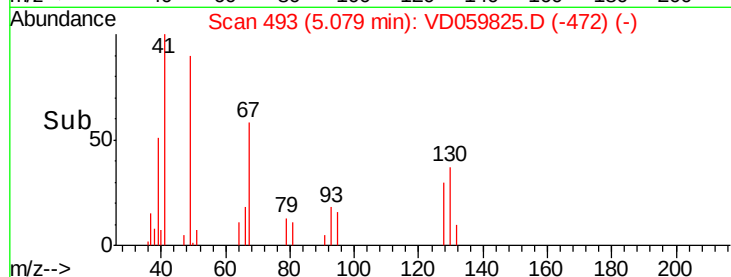
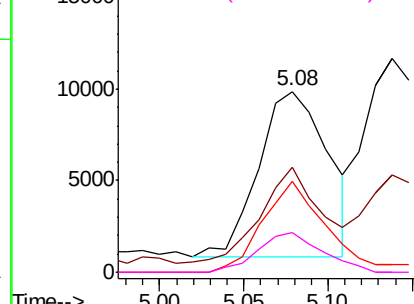
39 58.4 43.0 64.6

67 50.1 36.7 55.1

52 22.0 18.0 27.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 5.190 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD059825.D

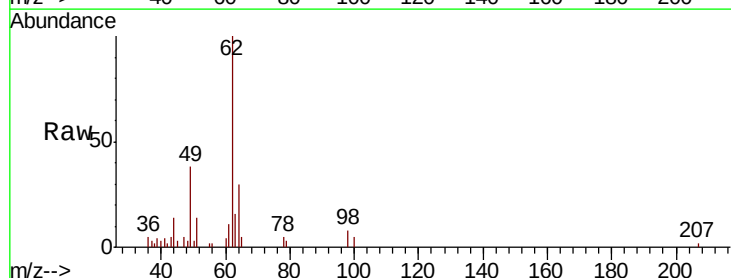
Acq: 20 Aug 2018 12:02

Tgt Ion: 62 Resp: 53717

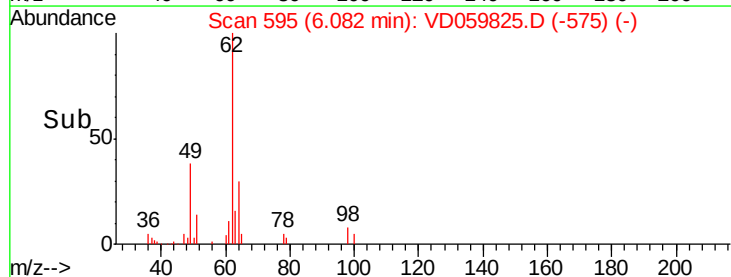
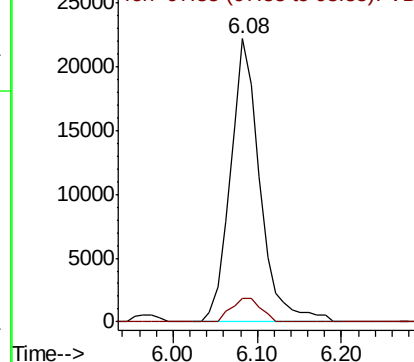
Ion Ratio Lower Upper

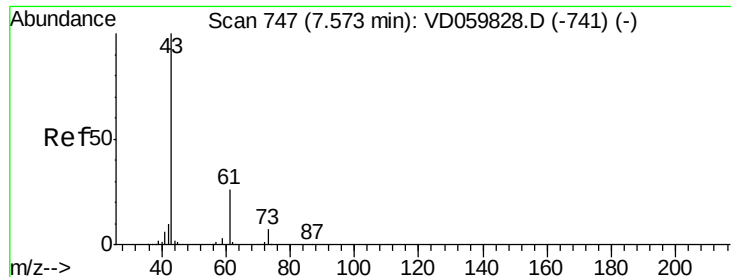
62 100

98 8.3 0.0 19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 5.470 ug/l

RT: 7.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

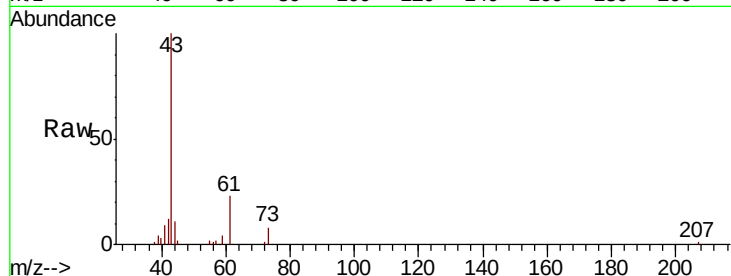
Tgt Ion: 43 Resp: 68182

Ion Ratio Lower Upper

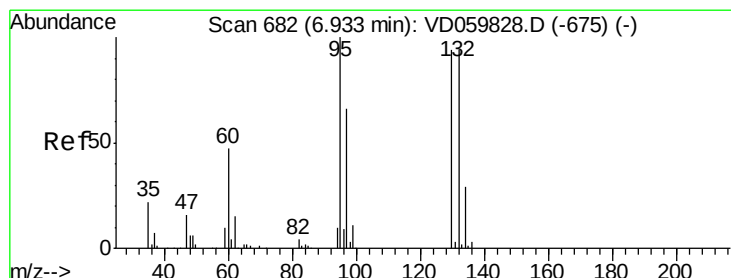
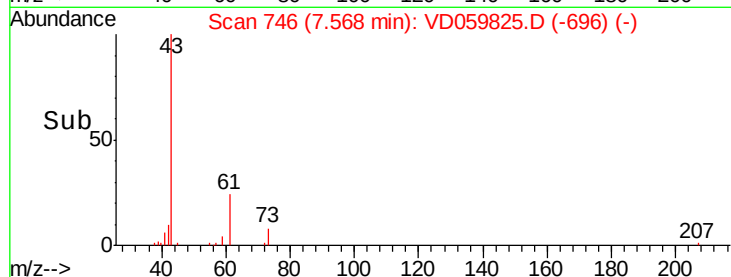
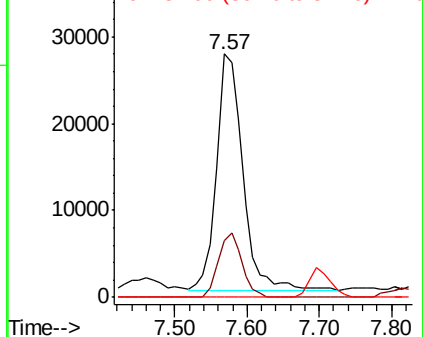
43 100

61 23.1 21.0 31.4

87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 5.224 ug/l

RT: 6.94 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD059825.D

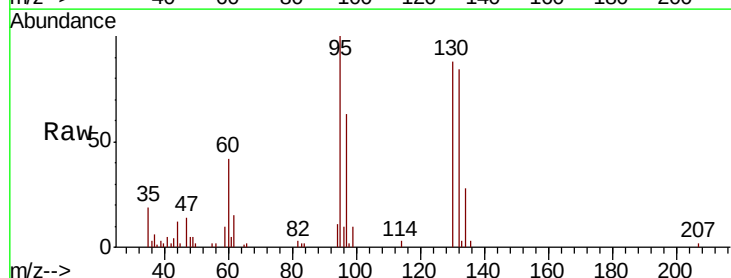
Acq: 20 Aug 2018 12:02

Tgt Ion: 130 Resp: 49621

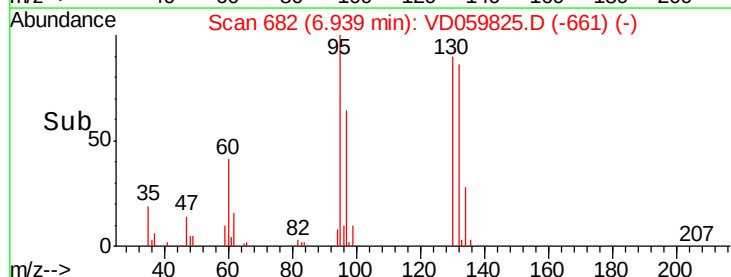
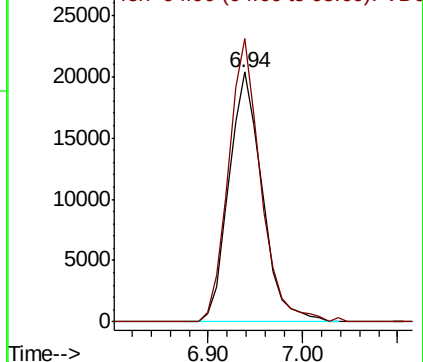
Ion Ratio Lower Upper

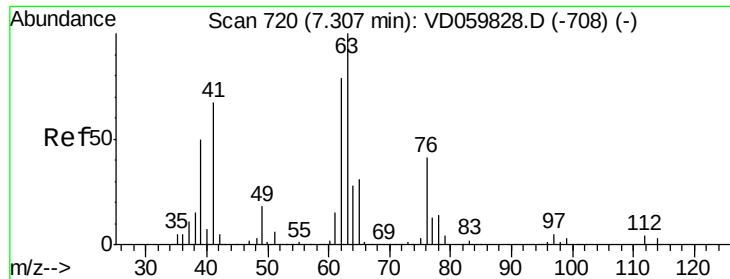
130 100

95 113.2 0.0 213.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

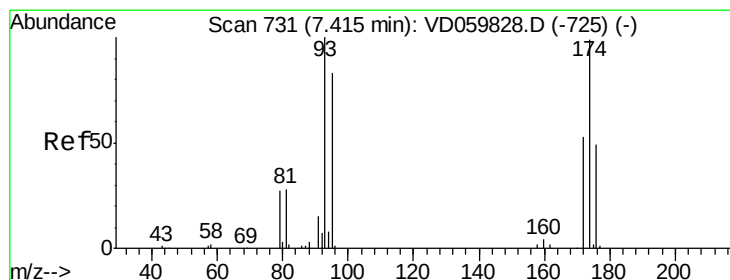
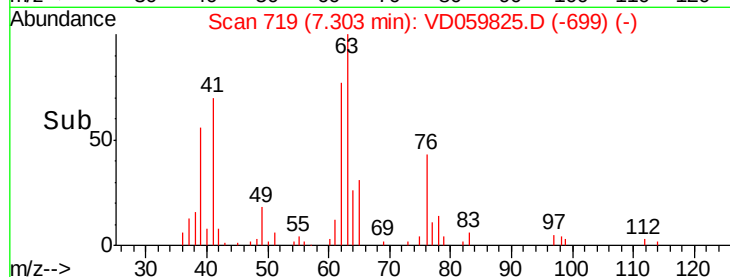
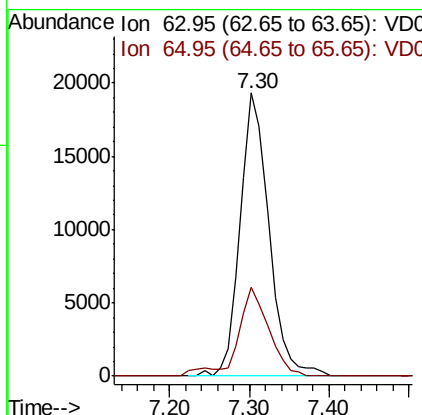
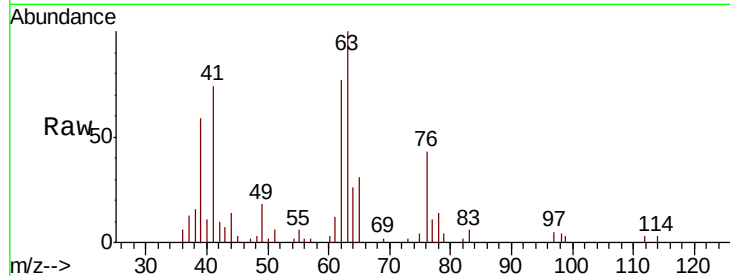




#45
 1,2-Dichloropropane
 Concen: 5.164 ug/l
 RT: 7.30 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

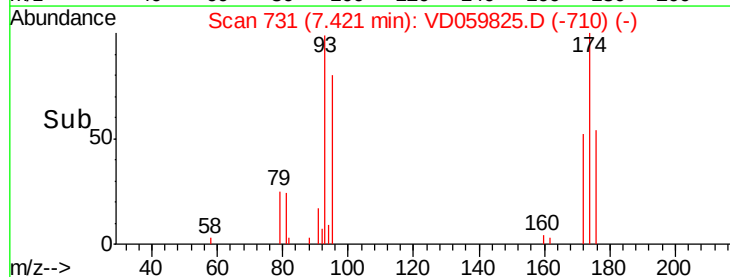
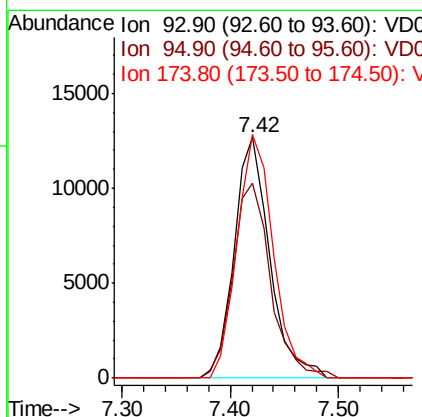
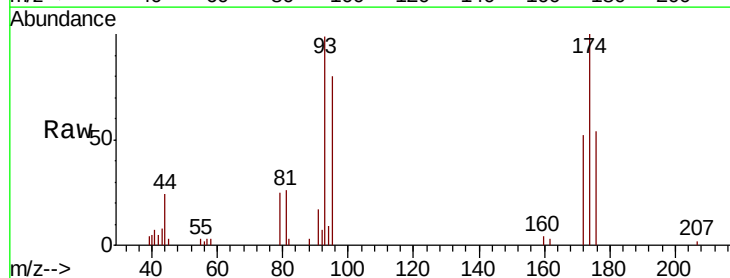
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

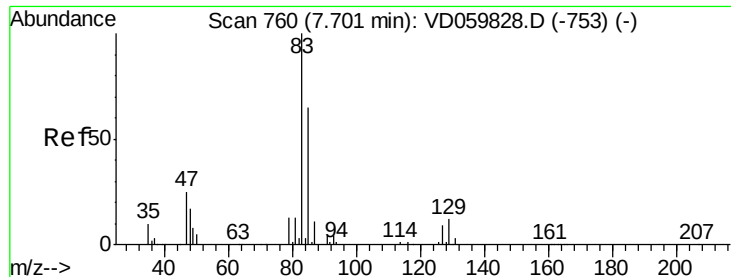
Tgt Ion: 63 Resp: 48251
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.5 36.7



#46
 Dibromomethane
 Concen: 4.985 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 93 Resp: 28943
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.3 99.5
 174 101.2 79.4 119.0





#47

Bromodichloromethane

Concen: 5.188 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

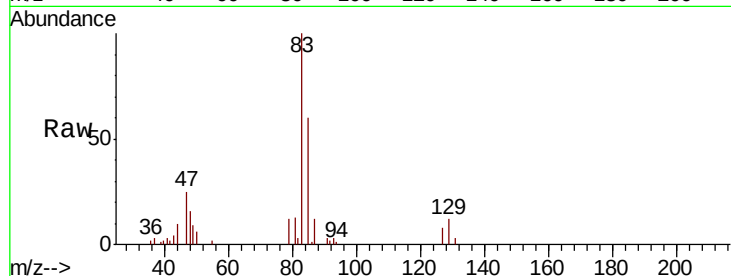
Tgt Ion: 83 Resp: 66843

Ion Ratio Lower Upper

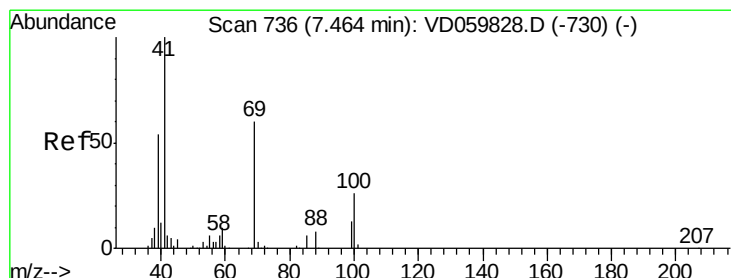
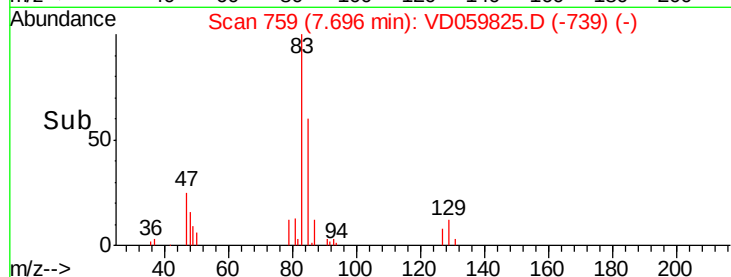
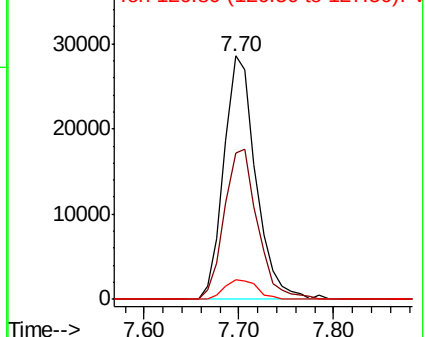
83 100

85 60.2 52.2 78.4

127 8.0 7.1 10.7



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 5.407 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

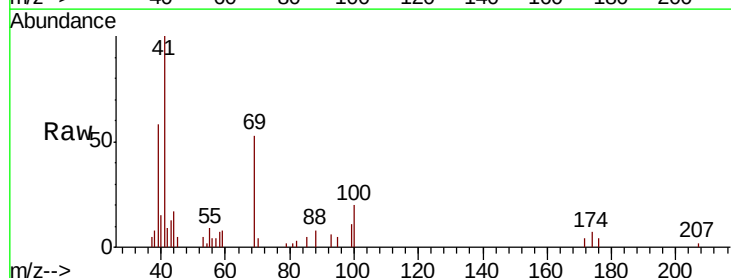
Tgt Ion: 41 Resp: 37692

Ion Ratio Lower Upper

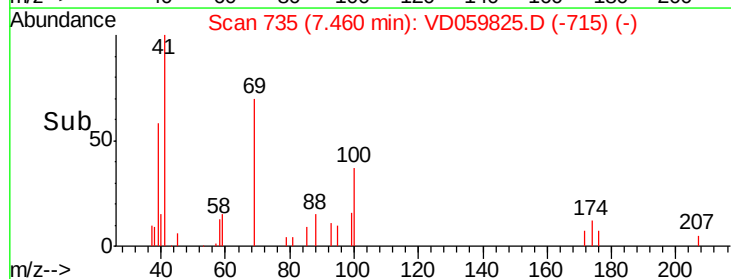
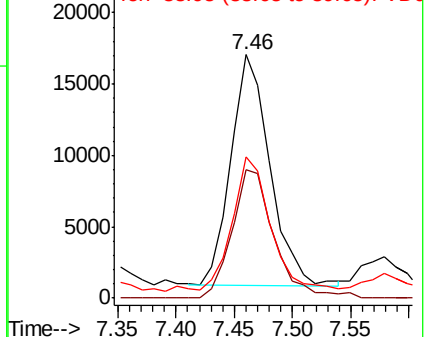
41 100

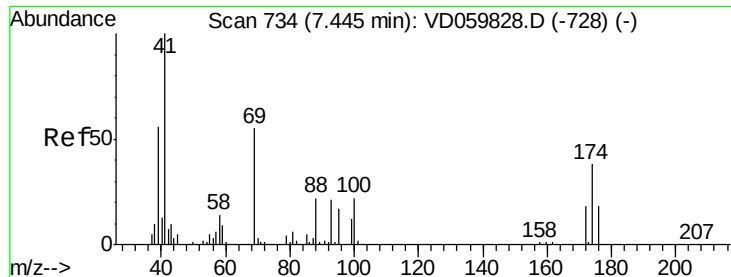
69 52.5 47.0 70.4

39 57.9 43.4 65.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 93.161 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

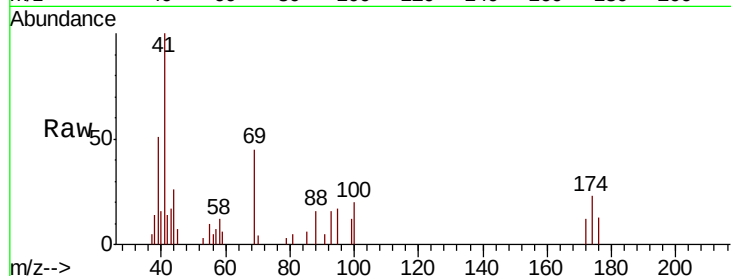
Tgt Ion: 88 Resp: 5410

Ion Ratio Lower Upper

88 100

43 106.9 41.4 62.0#

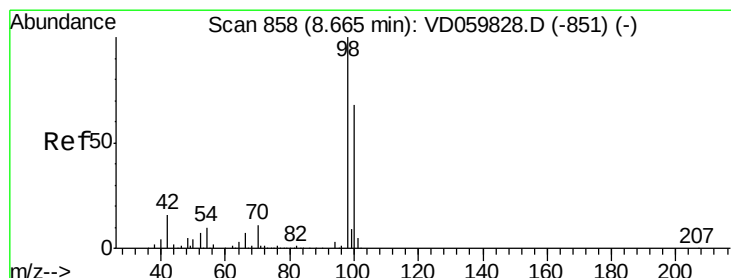
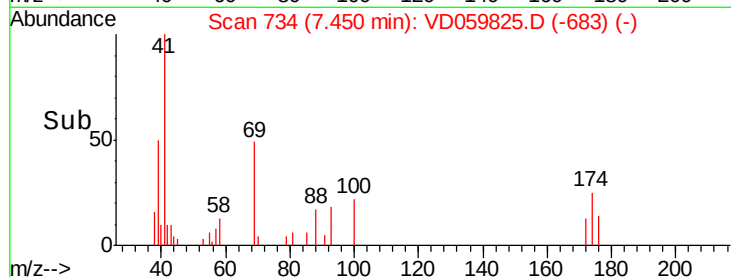
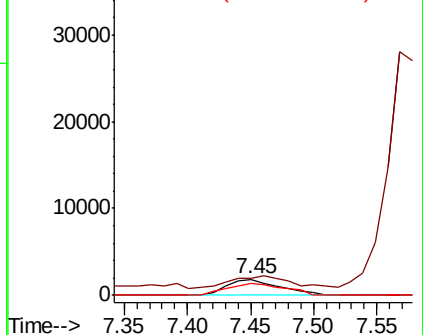
58 77.3 52.4 78.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 93.161 ug/l

RT: 8.67 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD059825.D

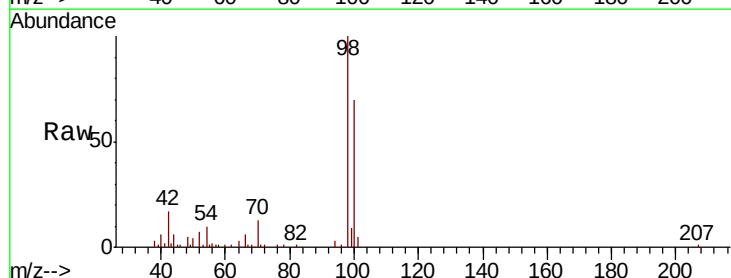
Acq: 20 Aug 2018 12:02

Tgt Ion: 98 Resp: 156078

Ion Ratio Lower Upper

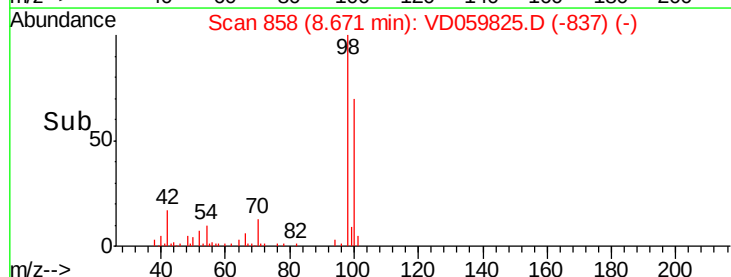
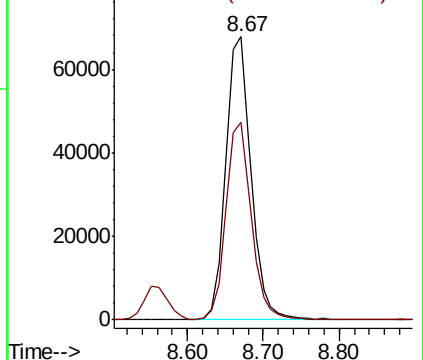
98 100

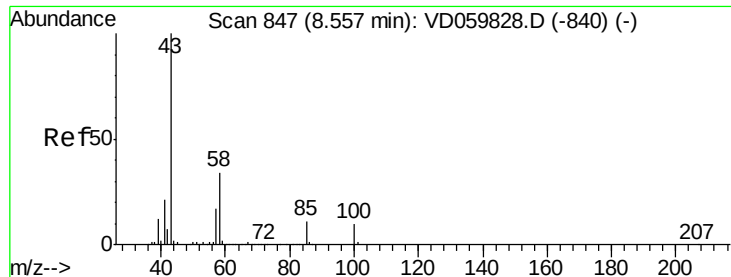
100 69.7 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

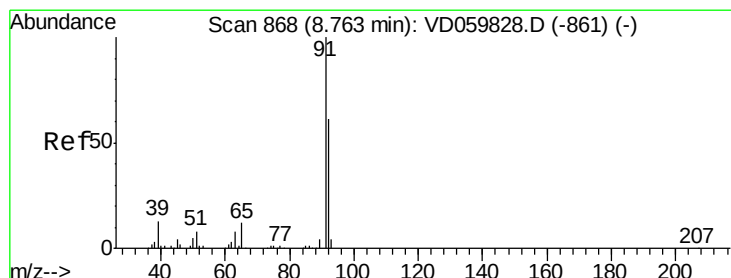
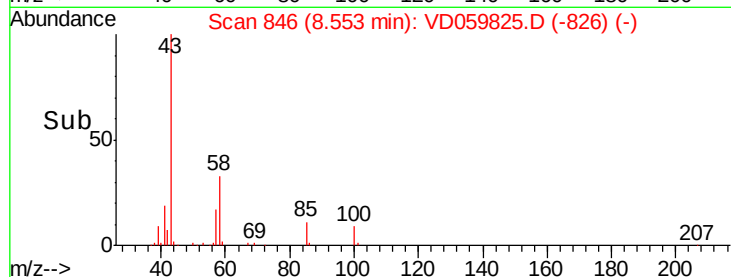
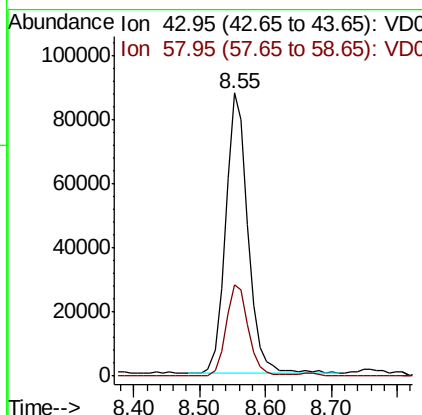
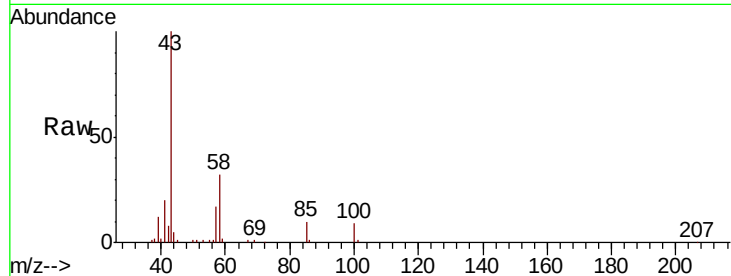




#51
 4-Methyl-2-Pentanone
 Concen: 24.088 ug/l
 RT: 8.55 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

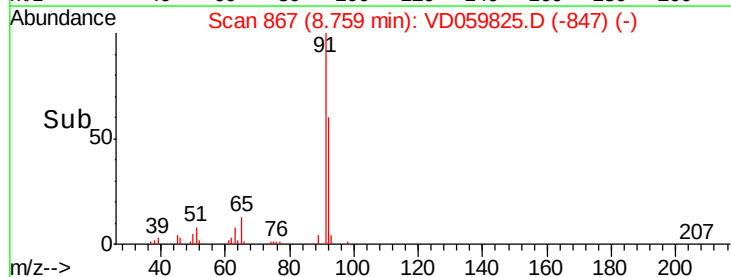
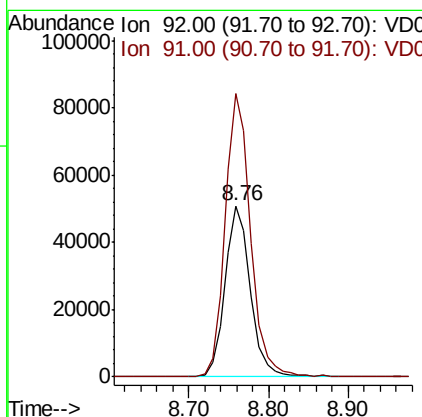
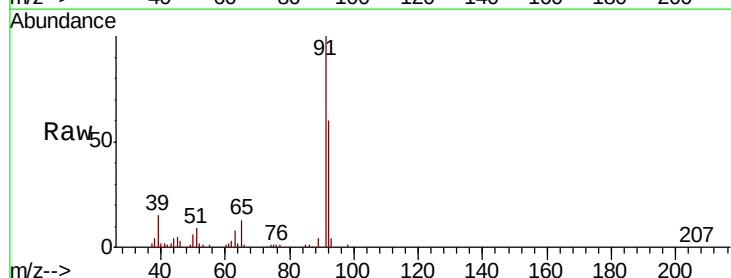
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

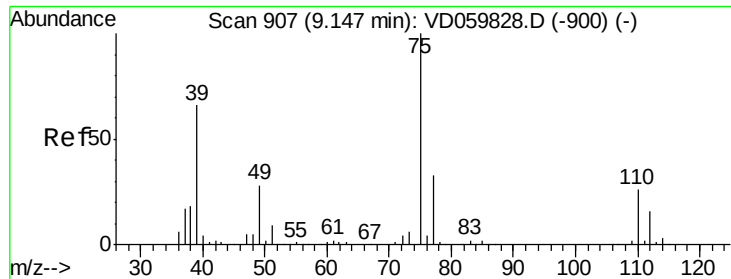
Tgt Ion: 43 Resp: 206494
 Ion Ratio Lower Upper
 43 100
 58 32.2 27.0 40.4



#52
 Toluene
 Concen: 5.547 ug/l
 RT: 8.76 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 92 Resp: 113433
 Ion Ratio Lower Upper
 92 100
 91 165.4 131.7 197.5

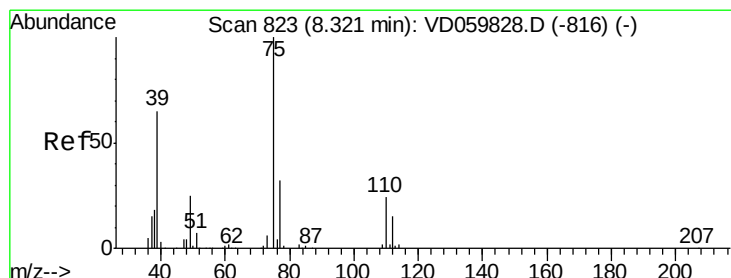
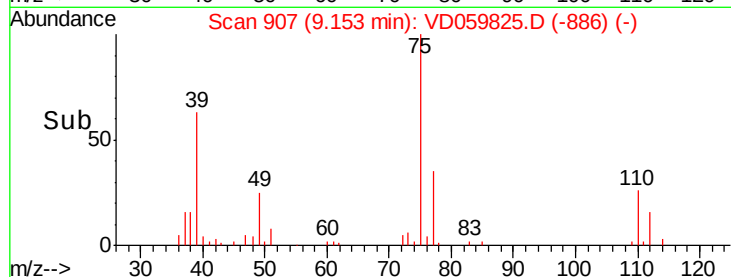
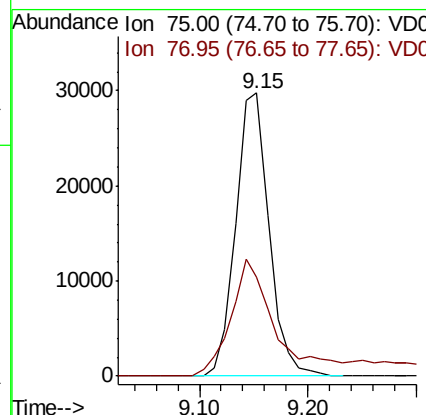
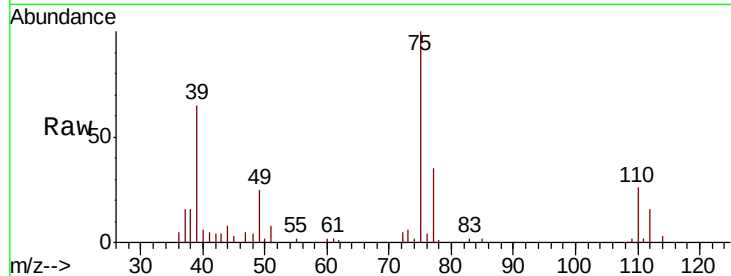




#53
 t-1,3-Dichloropropene
 Concen: 5.420 ug/l
 RT: 9.15 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

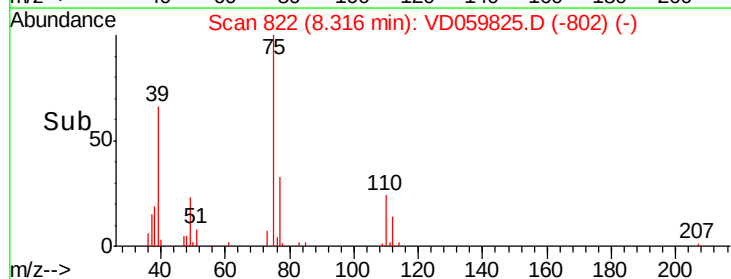
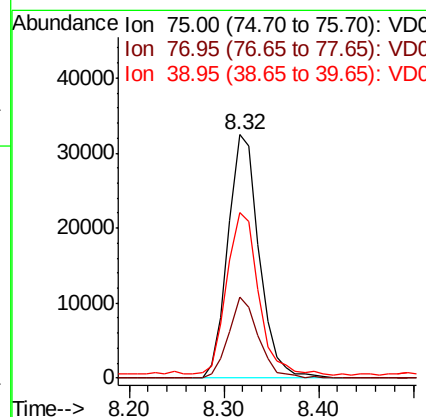
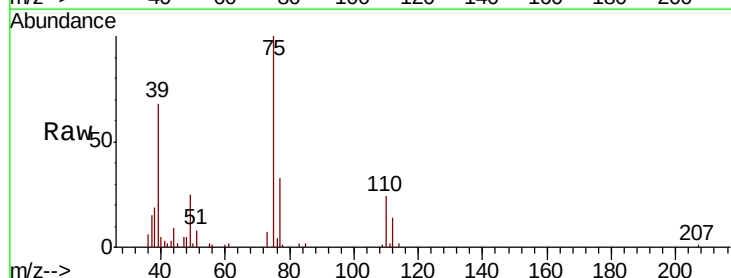
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

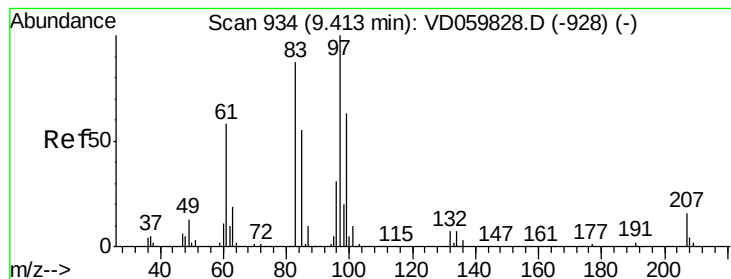
Tgt Ion: 75 Resp: 63585
 Ion Ratio Lower Upper
 75 100
 77 35.0 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 5.257 ug/l
 RT: 8.32 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 75 Resp: 74038
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.8 38.8
 39 68.2 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 5.754 ug/l

RT: 9.42 min Scan# 934

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampled :

BFB

Tgt Ion: 97 Resp: 41882

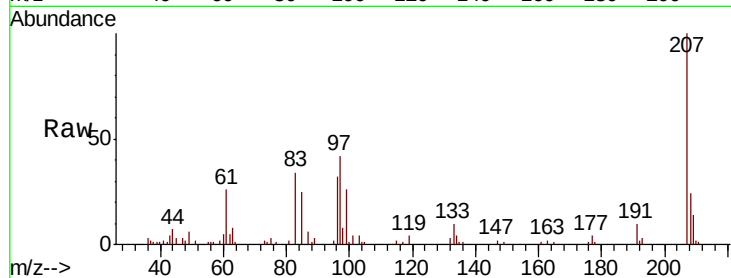
Ion Ratio Lower Upper

97 100

83 81.5 69.2 103.8

85 58.0 44.3 66.5

99 62.6 50.6 76.0

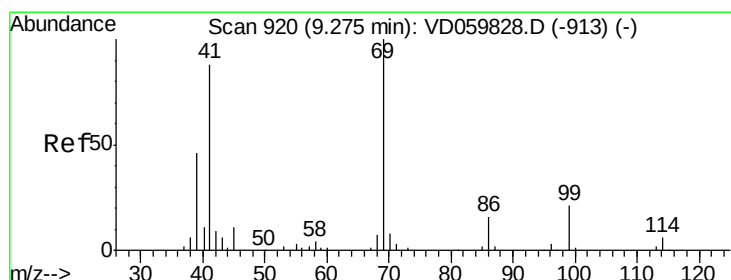
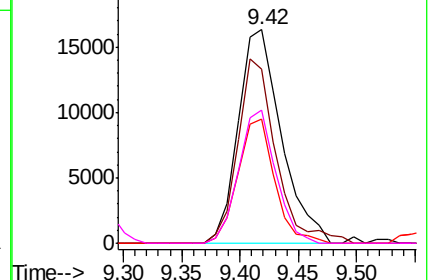
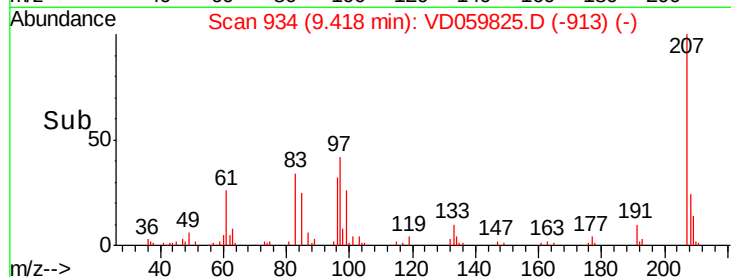


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 5.142 ug/l

RT: 9.27 min Scan# 919

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

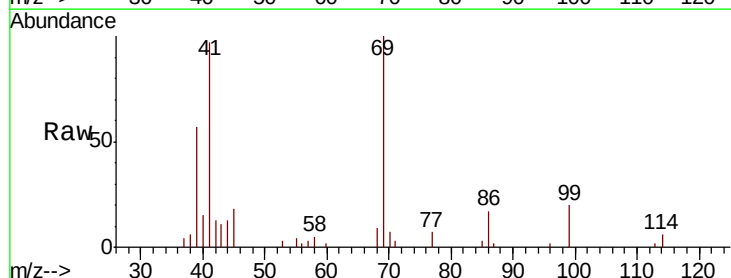
Tgt Ion: 69 Resp: 43009

Ion Ratio Lower Upper

69 100

41 97.1 71.0 106.4

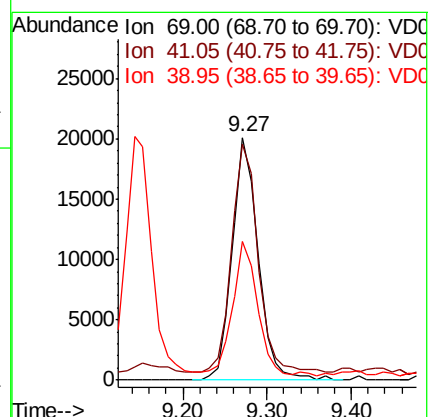
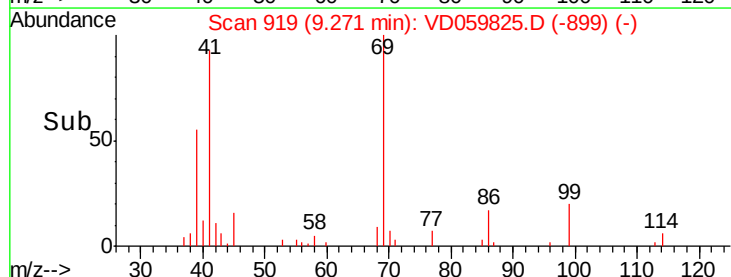
39 57.1 38.0 57.0#

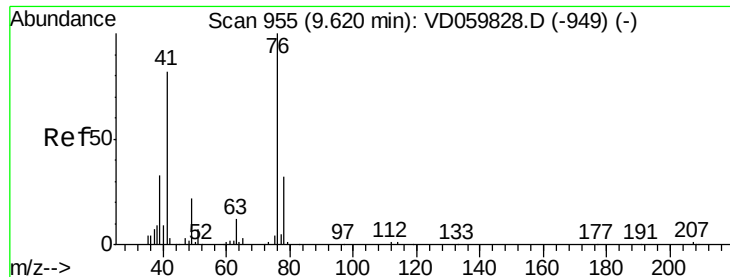


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

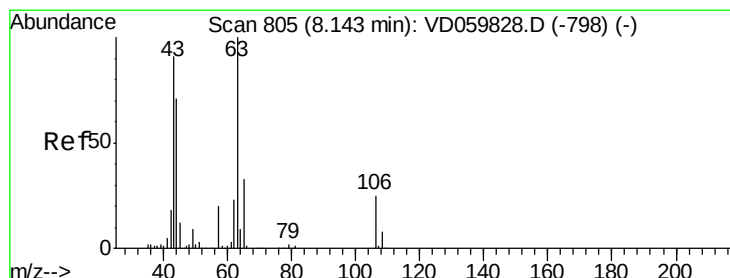
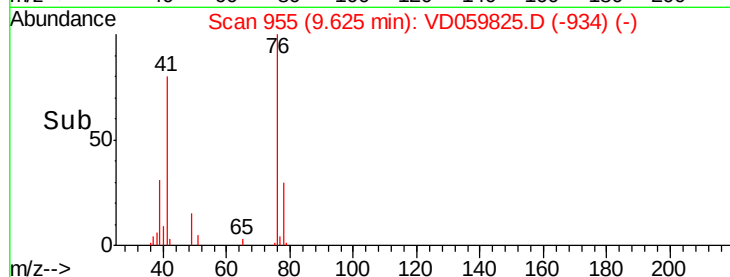
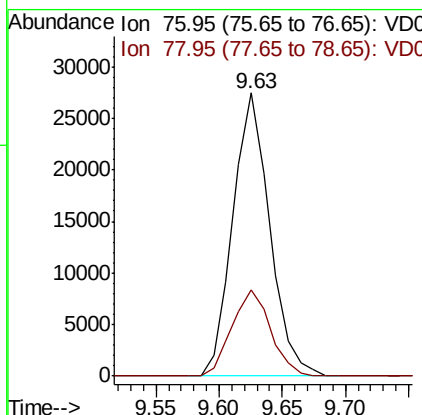
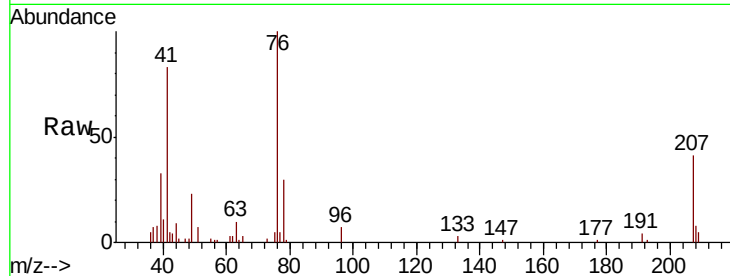




#57
 1,3-Dichloropropane
 Concen: 5.216 ug/l
 RT: 9.63 min Scan# 955
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

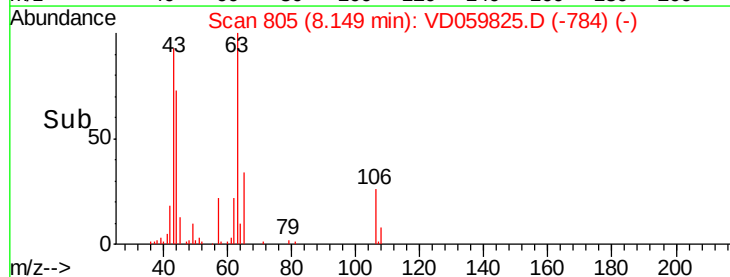
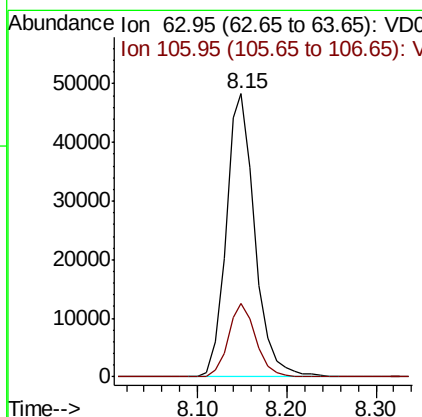
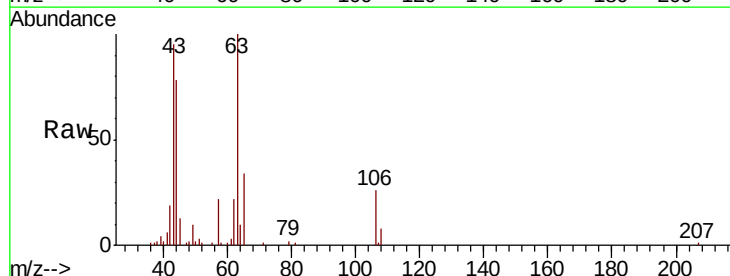
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

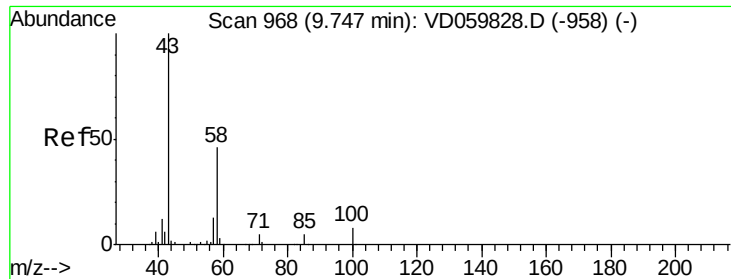
Tgt Ion: 76 Resp: 55350
 Ion Ratio Lower Upper
 76 100
 78 30.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.286 ug/l
 RT: 8.15 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 63 Resp: 108633
 Ion Ratio Lower Upper
 63 100
 106 25.9 19.6 29.4

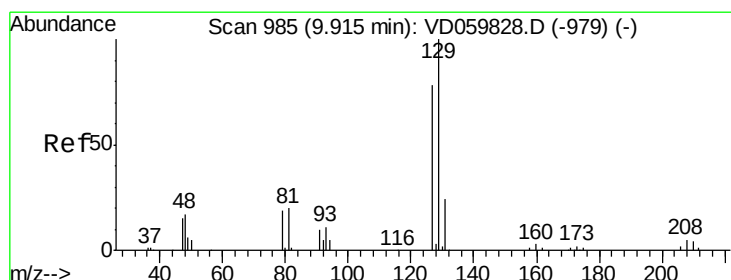
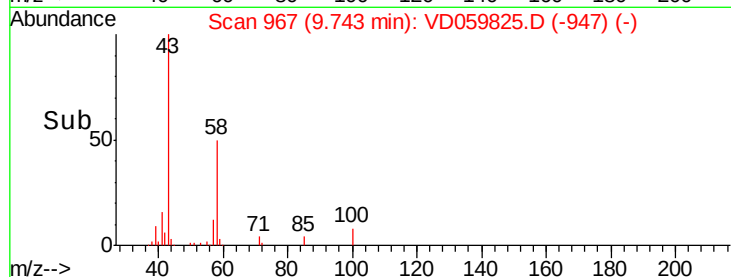
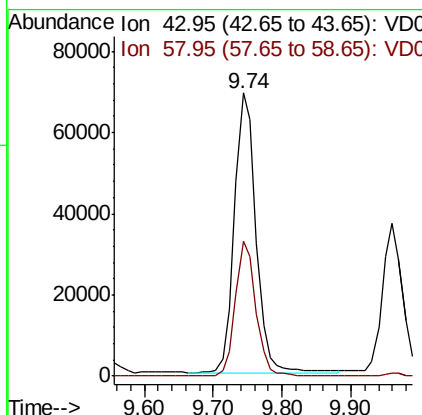
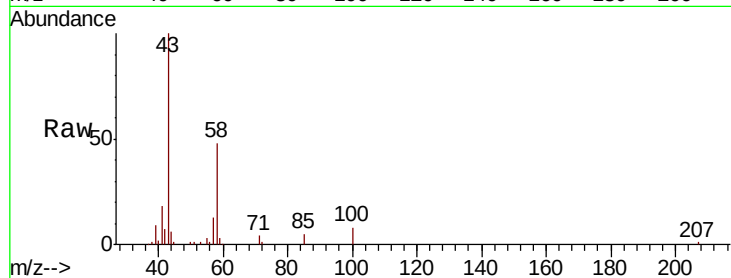




#59
2-Hexanone
Concen: 23.649 ug/l
RT: 9.74 min Scan# 967
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

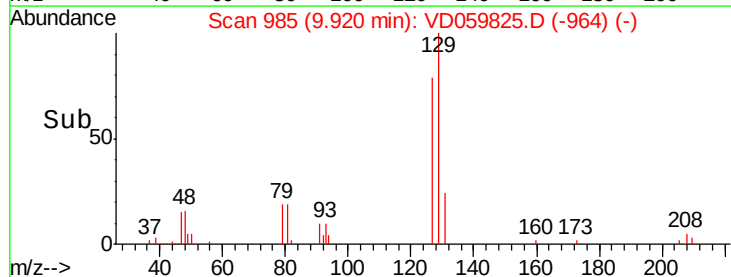
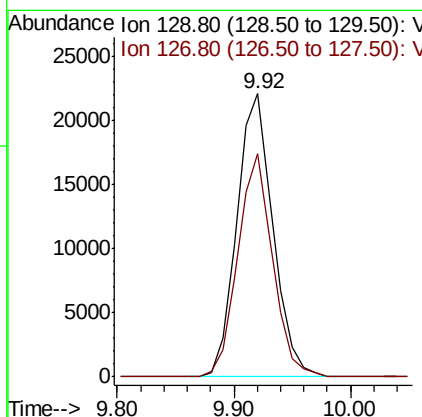
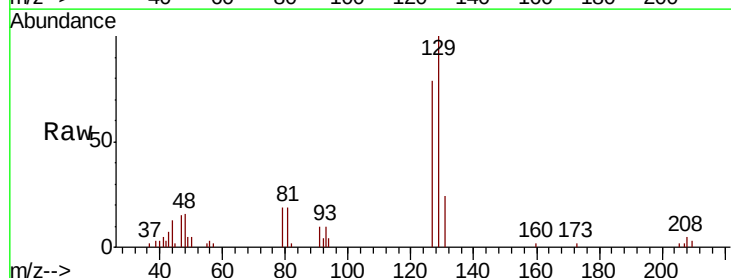
Instrument :
MSVOA_D
ClientSampleId :
BFB

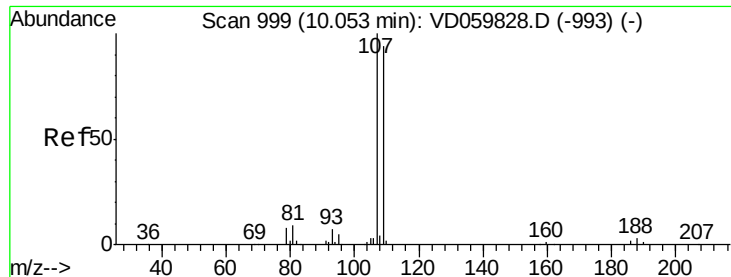
Tgt Ion: 43 Resp: 149317
Ion Ratio Lower Upper
43 100
58 47.7 23.1 69.2



#60
Dibromochloromethane
Concen: 5.046 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 129 Resp: 47212
Ion Ratio Lower Upper
129 100
127 78.9 39.0 116.9

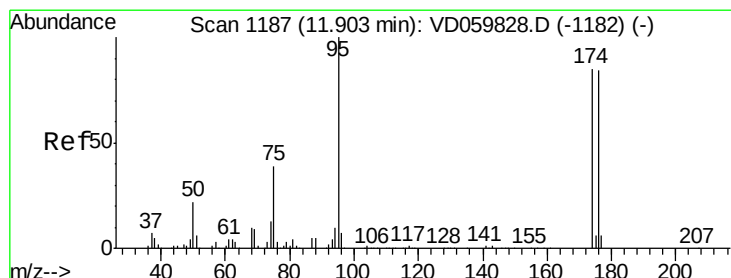
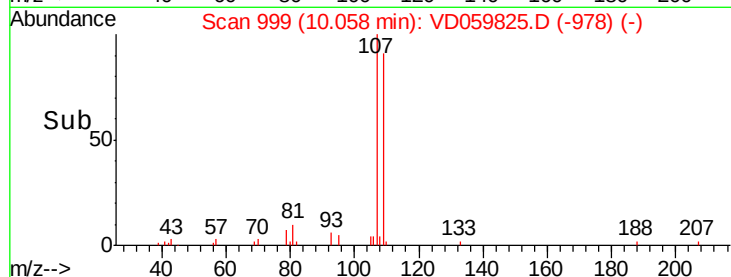
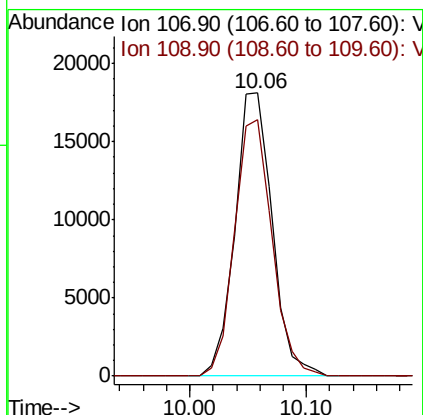
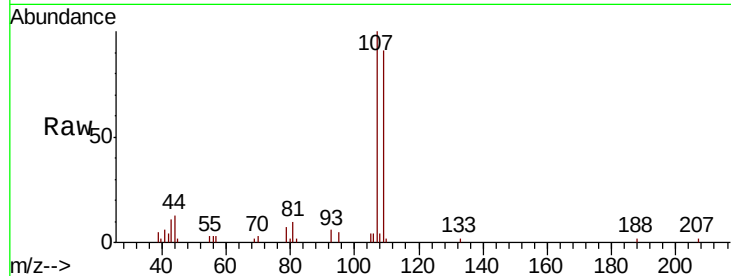




#61
 1,2-Dibromoethane
 Concen: 5.173 ug/l
 RT: 10.06 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

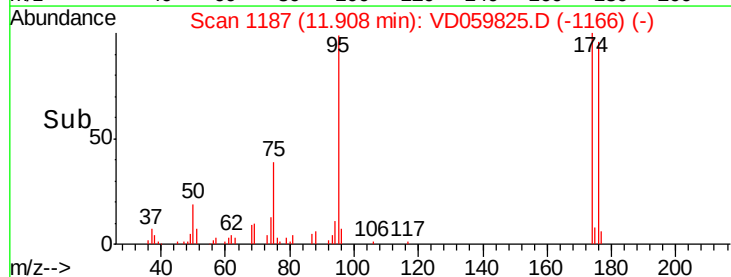
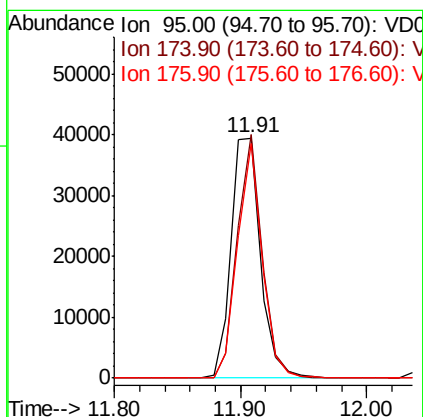
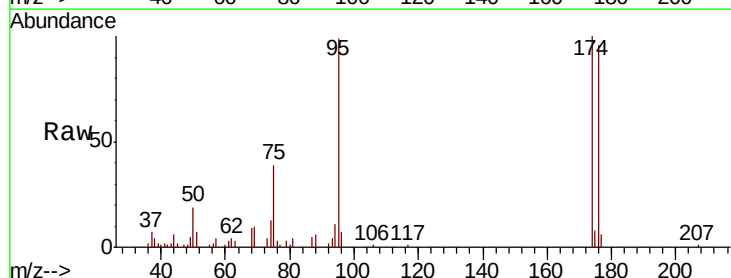
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

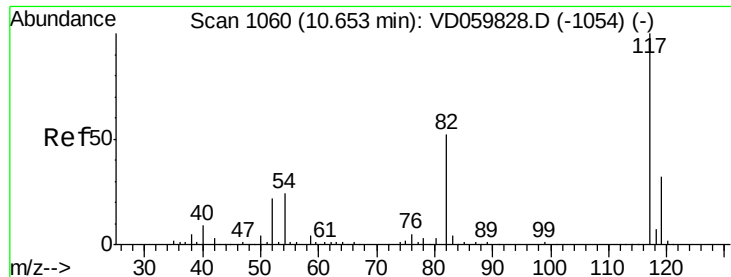
Tgt Ion: 107 Resp: 40045
 Ion Ratio Lower Upper
 107 100
 109 90.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 5.173 ug/l
 RT: 11.91 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 95 Resp: 62977
 Ion Ratio Lower Upper
 95 100
 174 101.4 0.0 169.2
 176 97.7 0.0 168.0

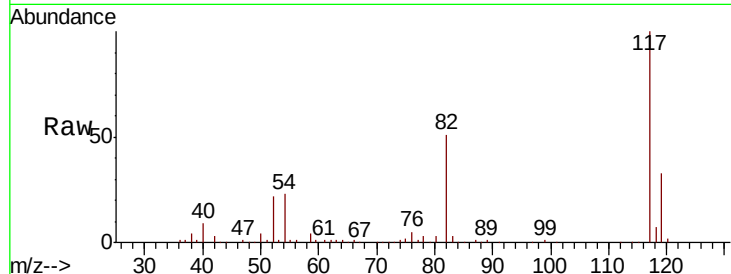




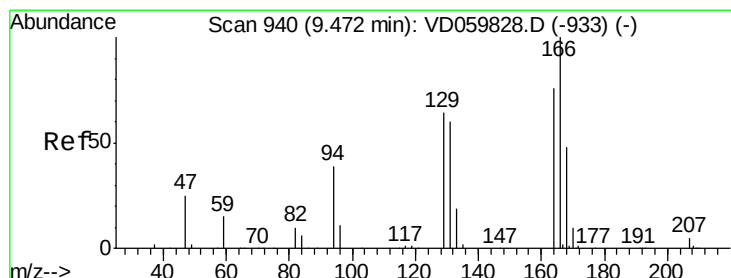
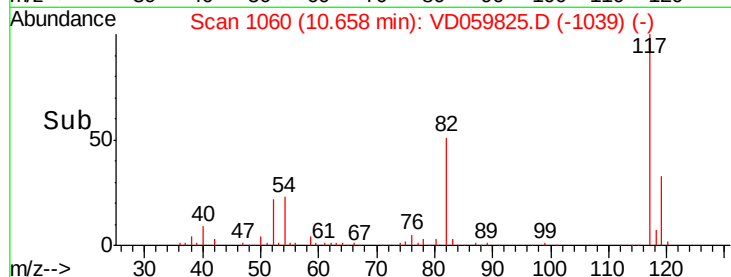
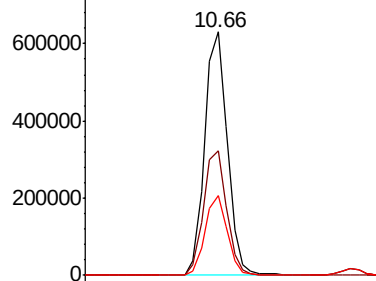
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion:117 Resp: 1182821
Ion Ratio Lower Upper
117 100
82 51.4 41.6 62.4
119 32.6 25.6 38.4

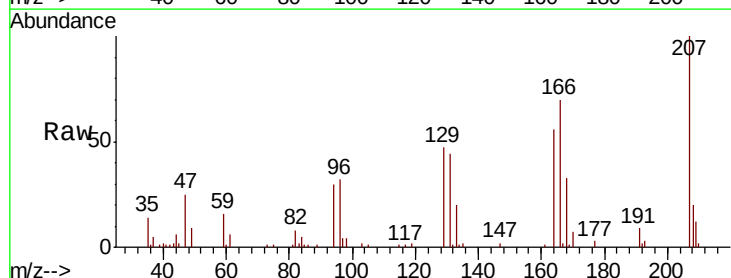


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

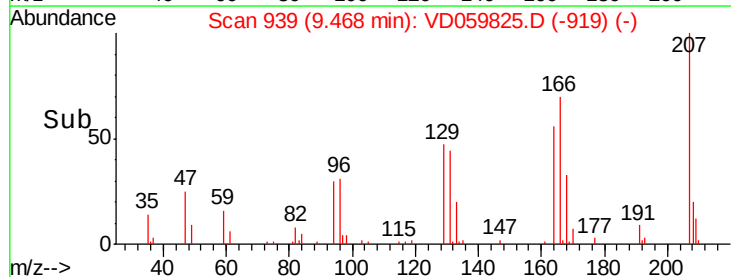
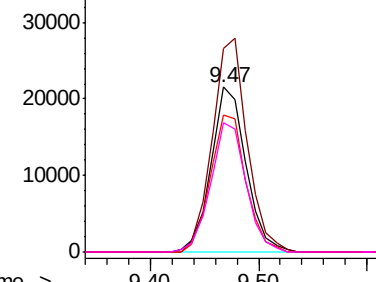


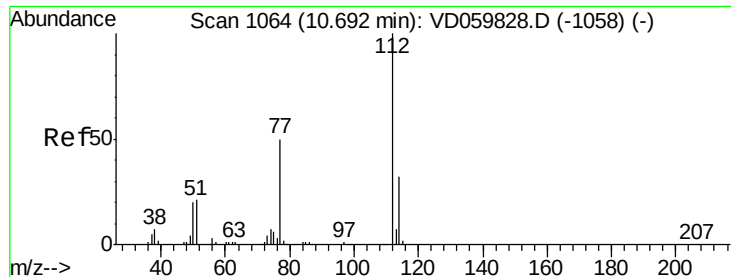
#64
Tetrachloroethene
Concen: 5.568 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion:164 Resp: 48371
Ion Ratio Lower Upper
164 100
166 123.7 104.9 157.3
129 83.4 66.7 100.1
131 78.3 63.1 94.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

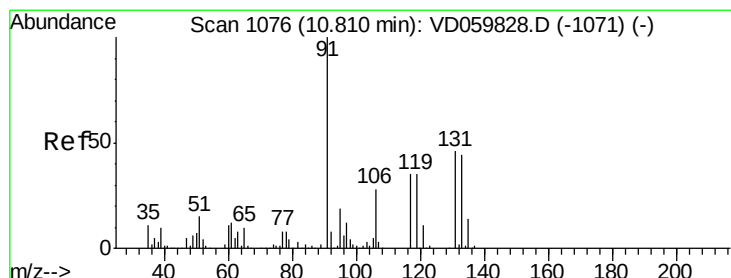
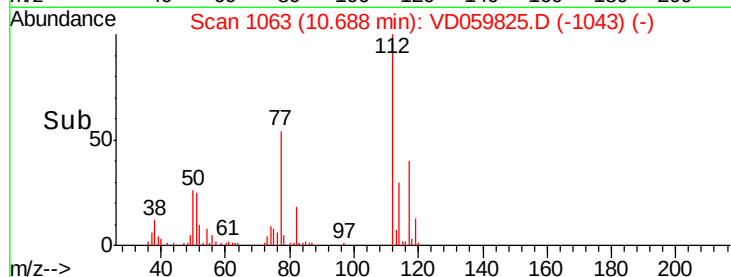
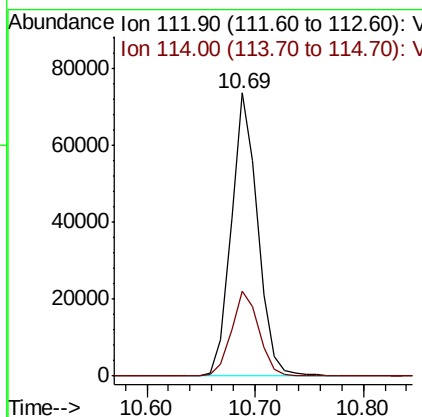
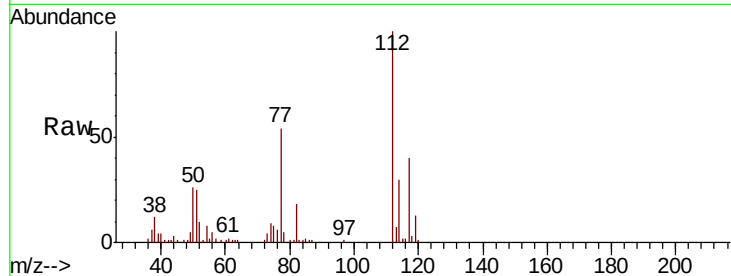




#65
Chlorobenzene
Concen: 5.395 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

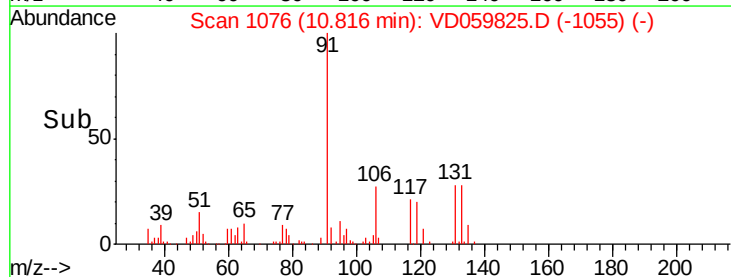
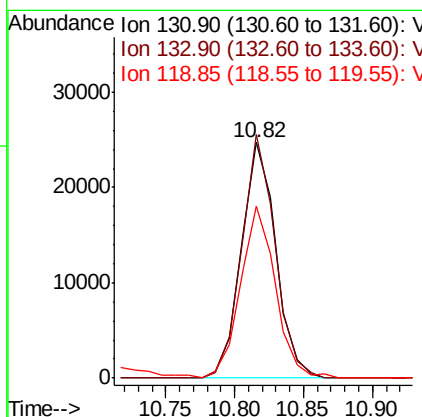
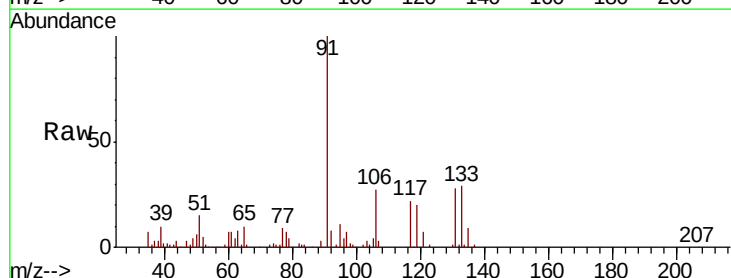
Instrument :
MSVOA_D
ClientSampleId :
BFB

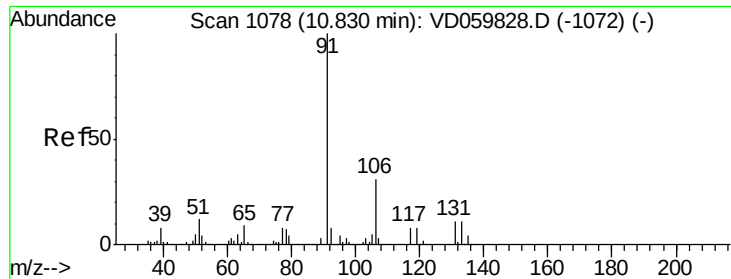
Tgt Ion:112 Resp: 124159
Ion Ratio Lower Upper
112 100
114 30.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 5.439 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion:131 Resp: 43223
Ion Ratio Lower Upper
131 100
133 103.4 47.1 141.4
119 73.3 37.5 112.7

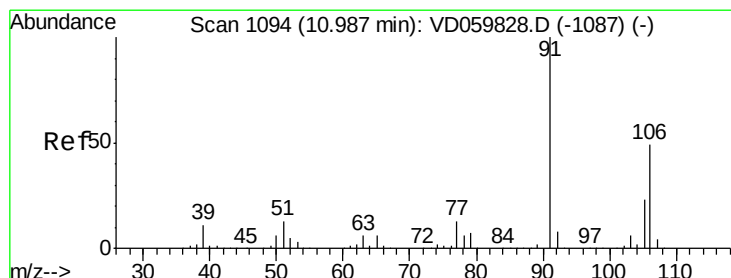
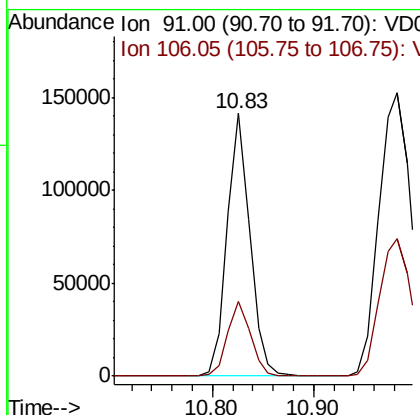
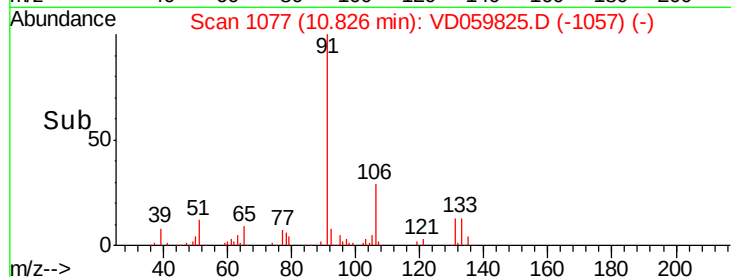
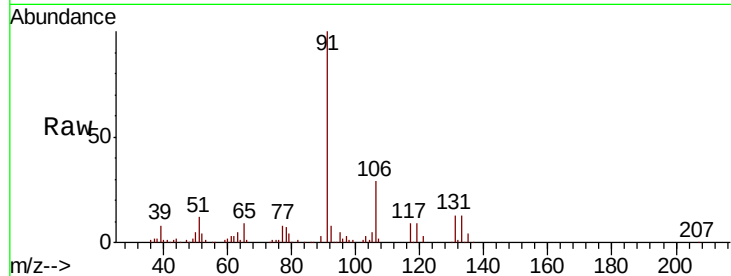




#67
Ethyl Benzene
Concen: 5.886 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

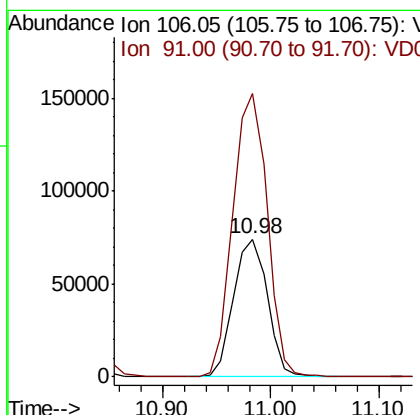
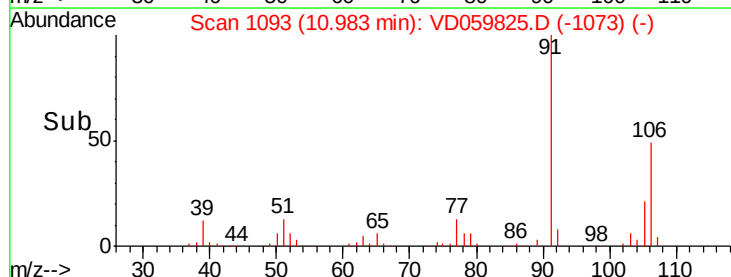
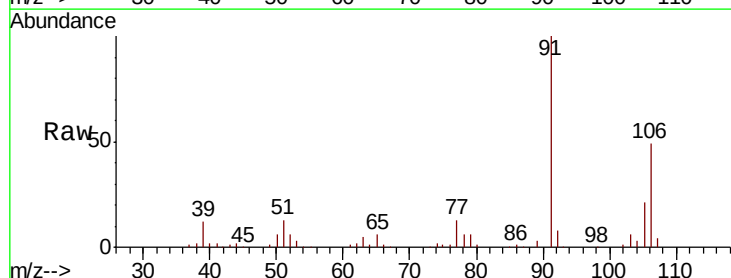
Instrument :
MSVOA_D
ClientSampled :
BFB

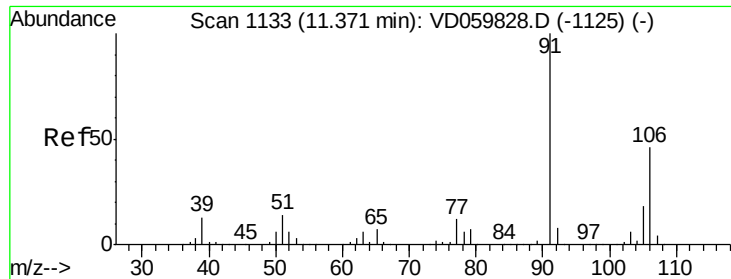
Tgt Ion: 91 Resp: 222171
Ion Ratio Lower Upper
91 100
106 28.6 25.1 37.7



#68
m/p-Xylenes
Concen: 11.731 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 106 Resp: 162187
Ion Ratio Lower Upper
106 100
91 205.8 161.8 242.8

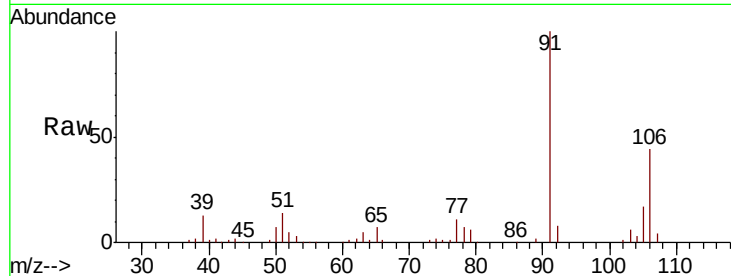




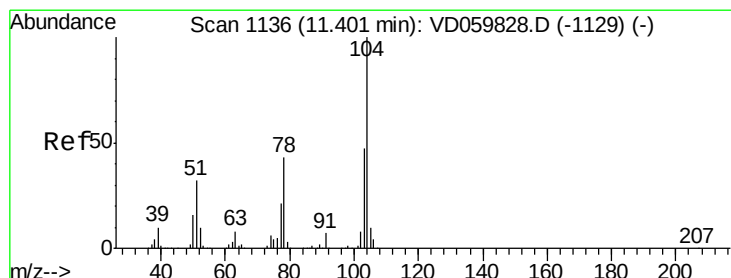
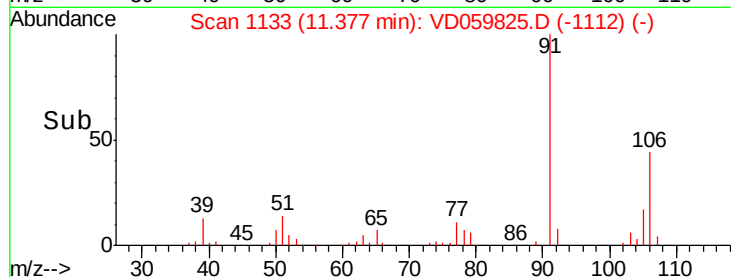
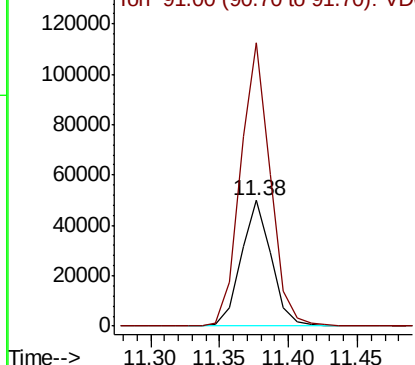
#69
o-Xylene
Concen: 5.604 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:106 Resp: 75696
Ion Ratio Lower Upper
106 100
91 225.6 108.5 325.3

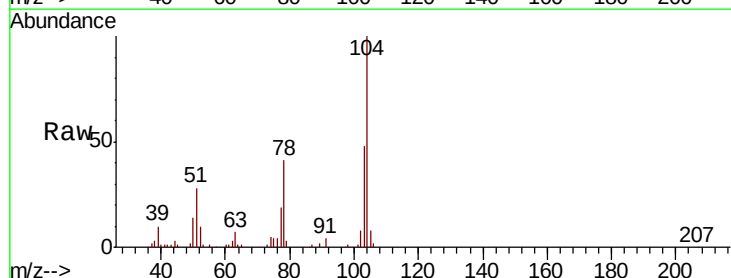


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

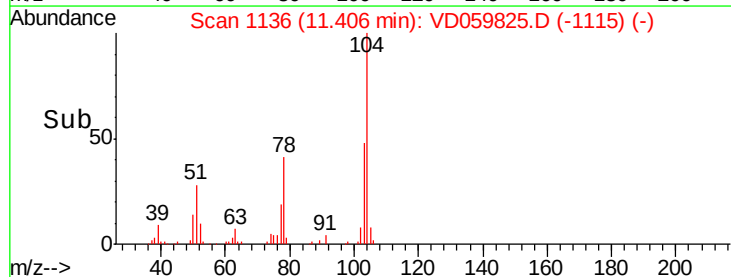
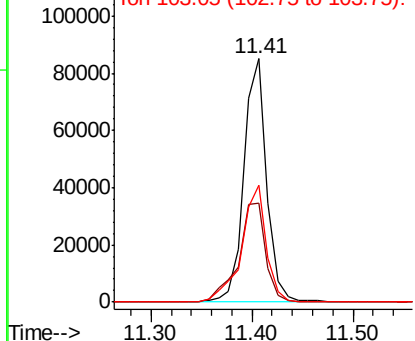


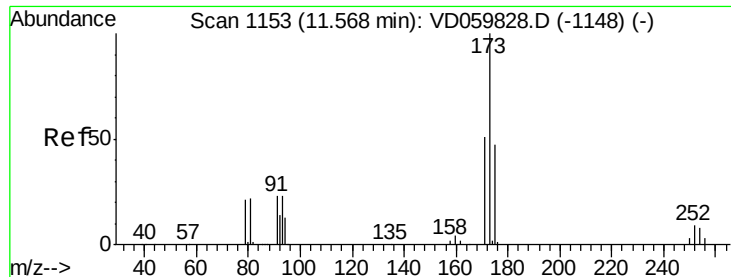
#70
Styrene
Concen: 5.694 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion:104 Resp: 133302
Ion Ratio Lower Upper
104 100
78 40.6 34.6 52.0
103 47.8 37.8 56.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 4.976 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

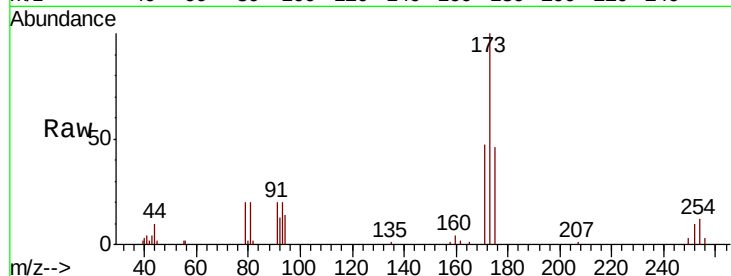
Tgt Ion:173 Resp: 34566

Ion Ratio Lower Upper

173 100

175 45.9 23.7 71.1

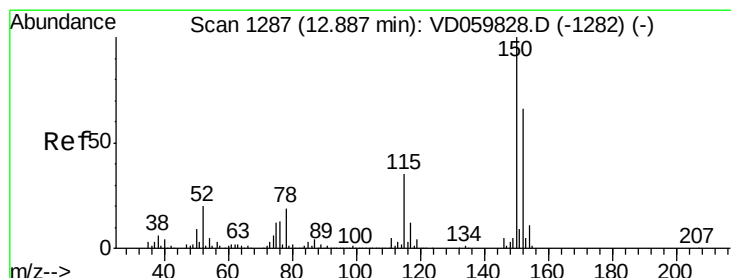
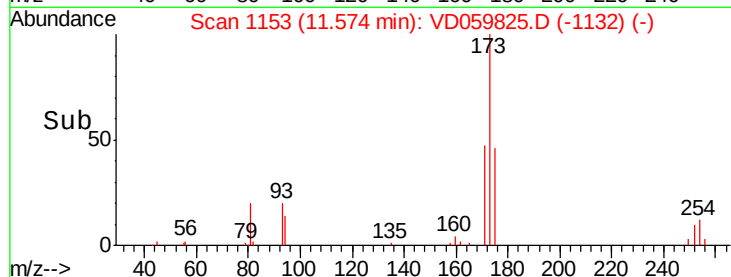
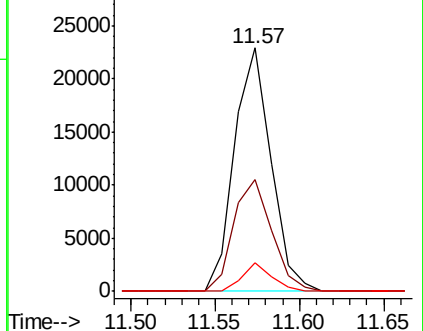
254 12.0 6.7 10.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

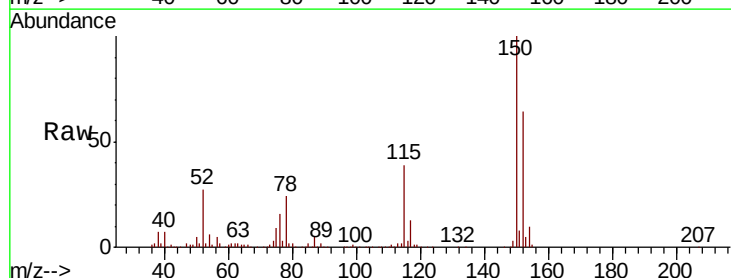
Tgt Ion:152 Resp: 535133

Ion Ratio Lower Upper

152 100

115 60.3 26.9 80.6

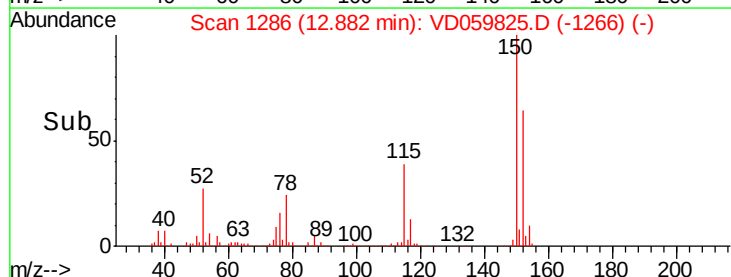
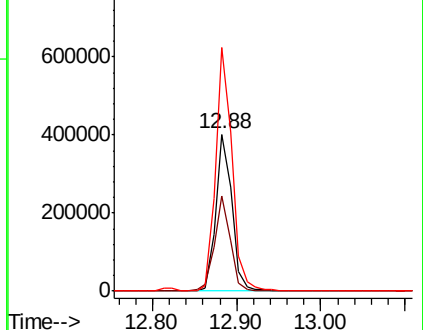
150 155.5 0.0 306.8

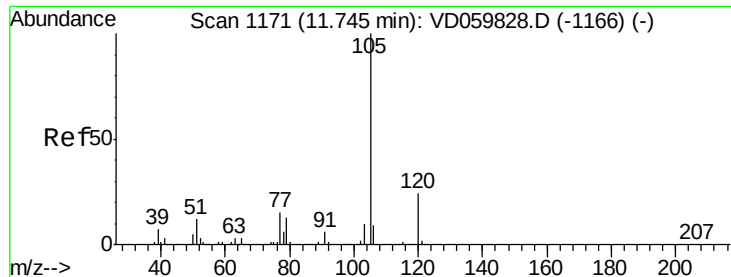


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.735 ug/l

RT: 11.74 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

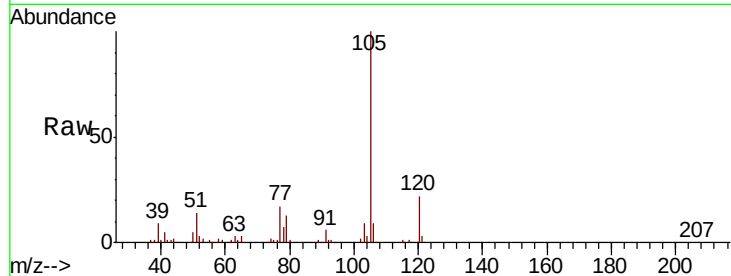
BFB

Tgt Ion: 105 Resp: 209348

Ion Ratio Lower Upper

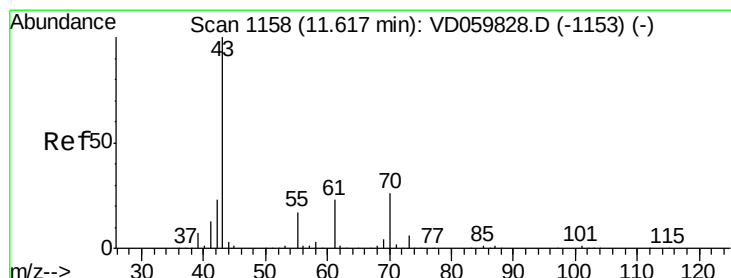
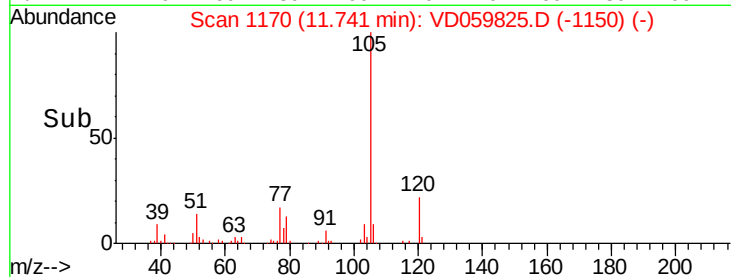
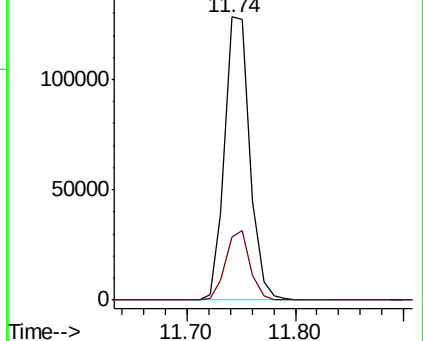
105 100

120 22.3 11.9 35.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-amyl acetate

Concen: 5.313 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion: 43 Resp: 85748

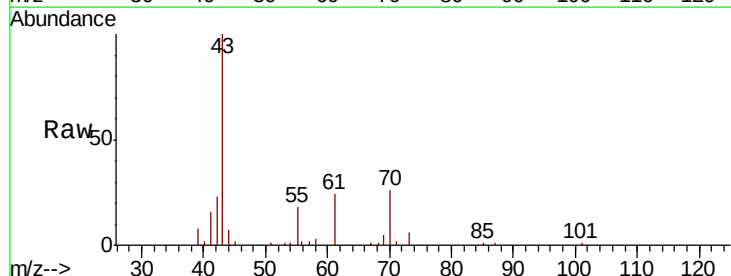
Ion Ratio Lower Upper

43 100

70 26.2 20.5 30.7

55 17.9 13.7 20.5

61 24.0 18.0 27.0

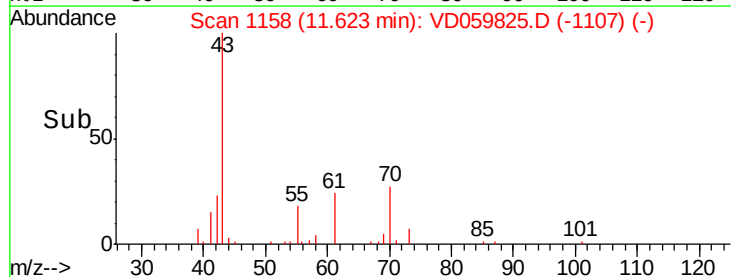
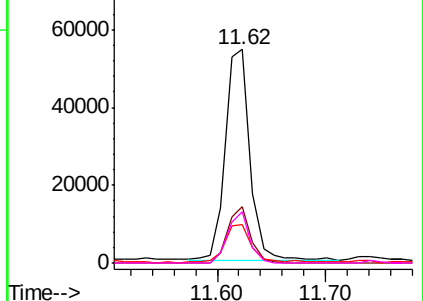


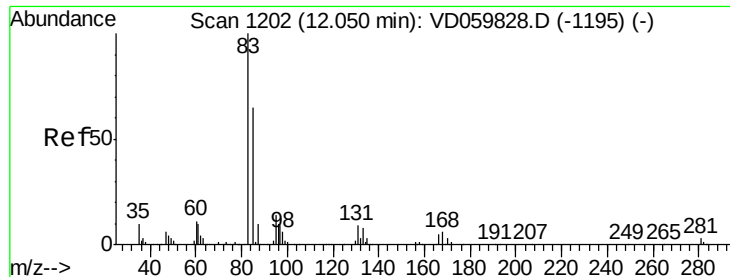
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.174 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

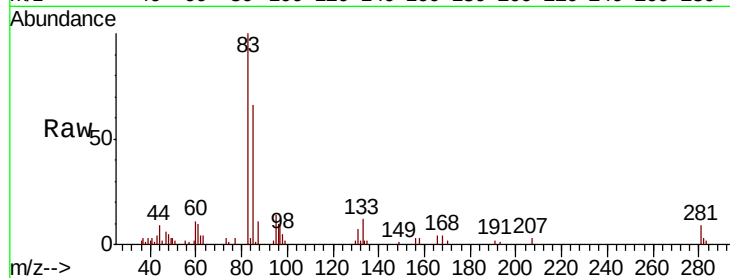
Tgt Ion: 83 Resp: 43422

Ion Ratio Lower Upper

83 100

131 7.2 4.3 13.1

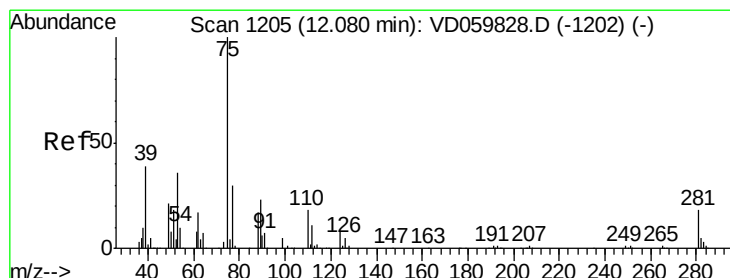
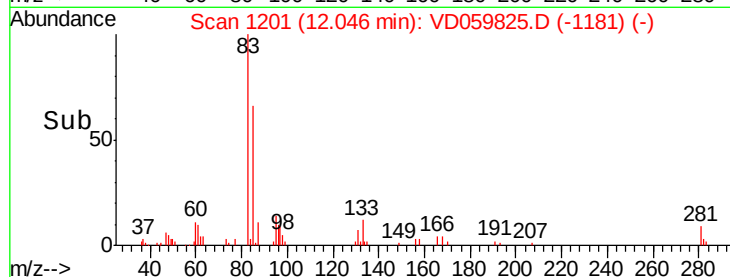
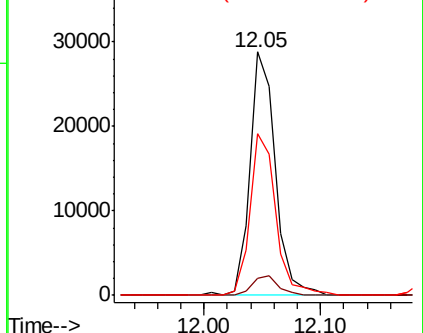
85 66.5 32.5 97.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 5.538 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059825.D

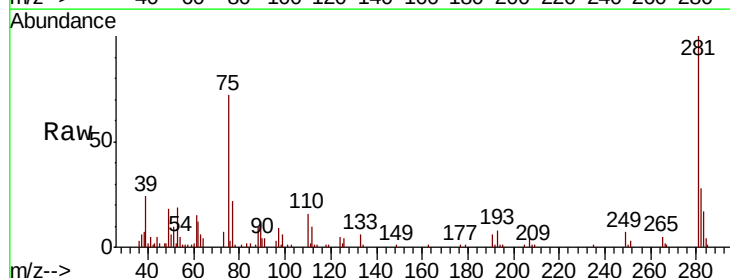
Acq: 20 Aug 2018 12:02

Tgt Ion: 75 Resp: 48426

Ion Ratio Lower Upper

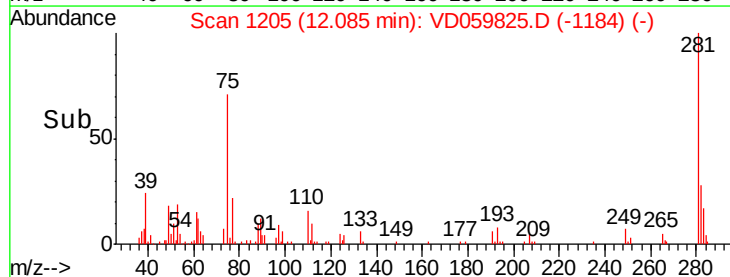
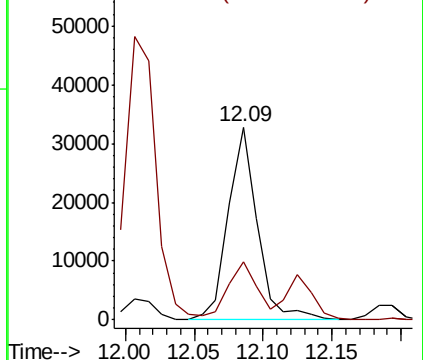
75 100

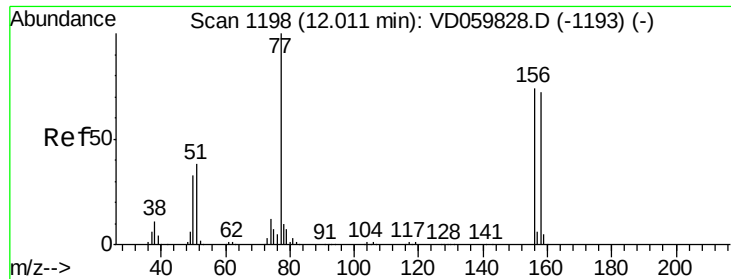
77 30.3 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 5.432 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

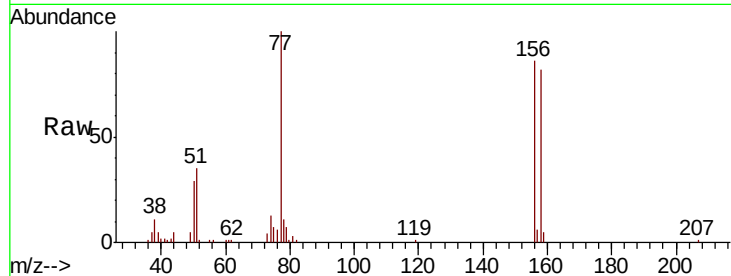
Tgt Ion:156 Resp: 55042

Ion Ratio Lower Upper

156 100

77 116.9 68.0 204.0

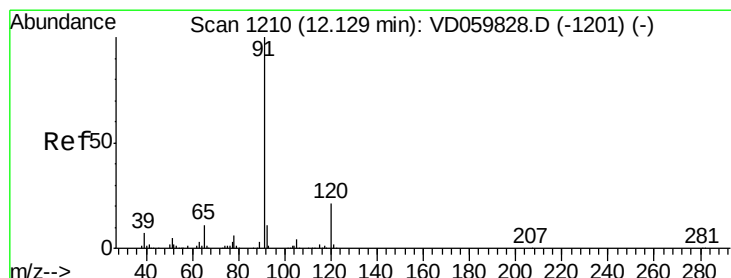
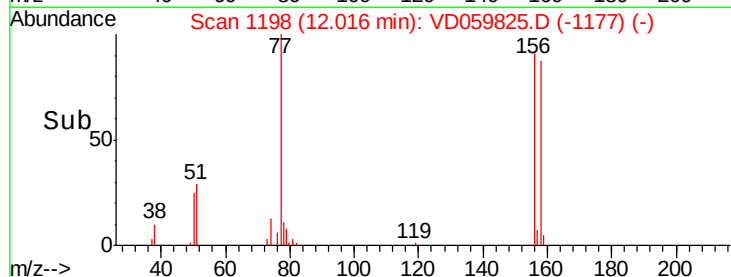
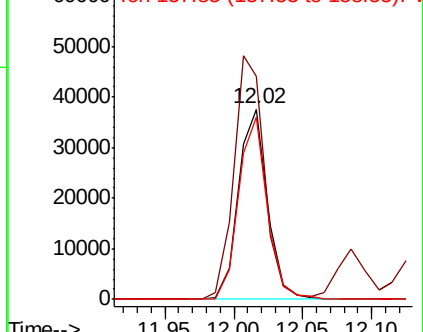
158 95.5 48.9 146.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.808 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VD059825.D

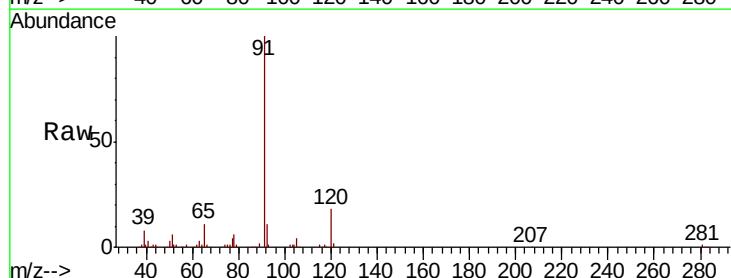
Acq: 20 Aug 2018 12:02

Tgt Ion: 91 Resp: 266373

Ion Ratio Lower Upper

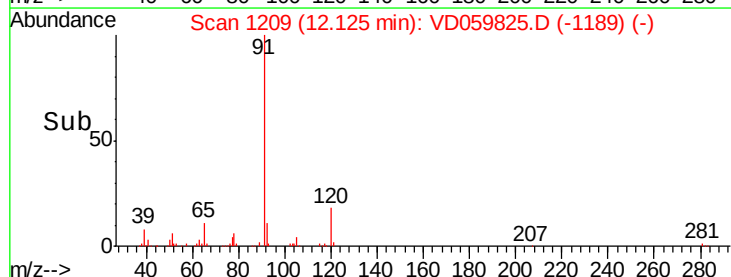
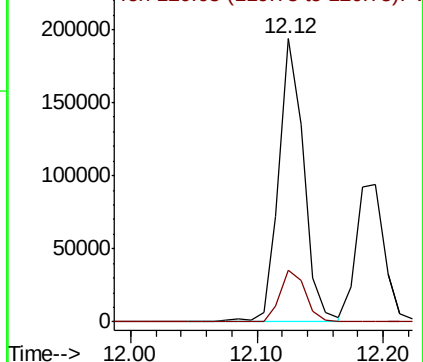
91 100

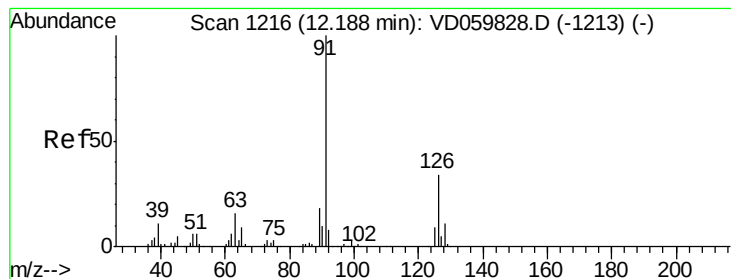
120 18.4 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 5.627 ug/l

RT: 12.19 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampled :

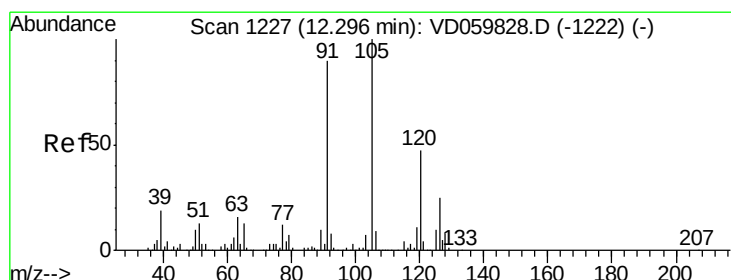
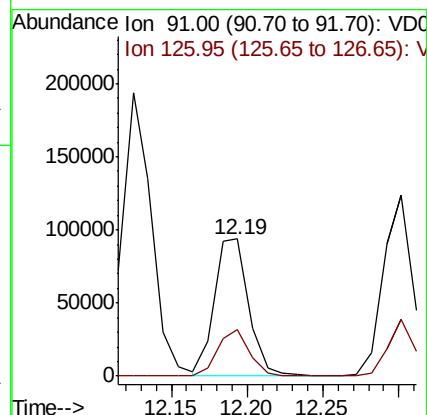
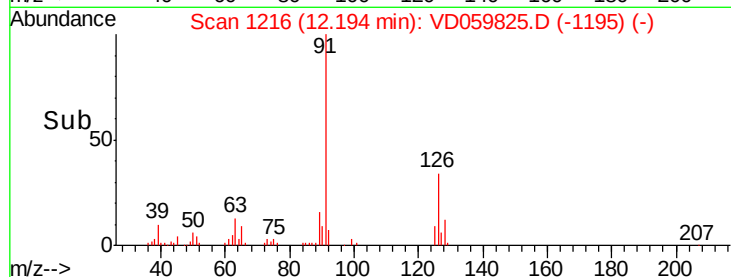
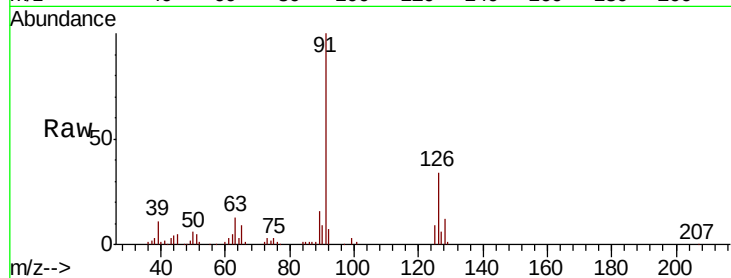
BFB

Tgt Ion: 91 Resp: 147352

Ion Ratio Lower Upper

91 100

126 34.0 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 5.939 ug/l

RT: 12.29 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VD059825.D

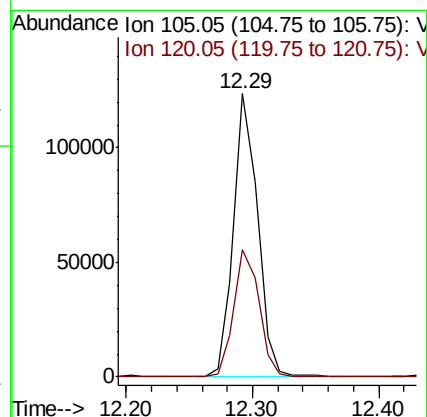
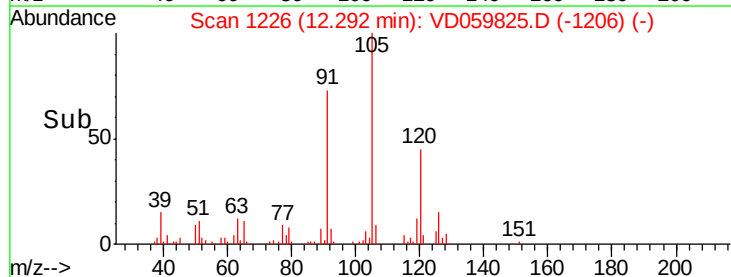
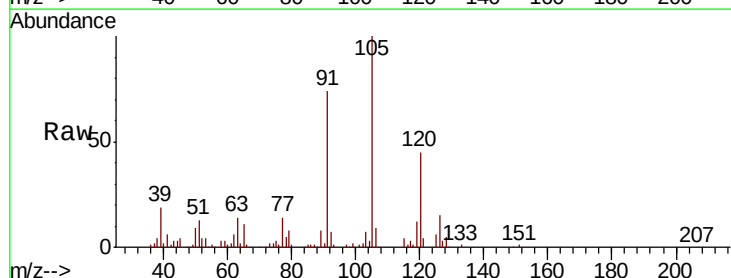
Acq: 20 Aug 2018 12:02

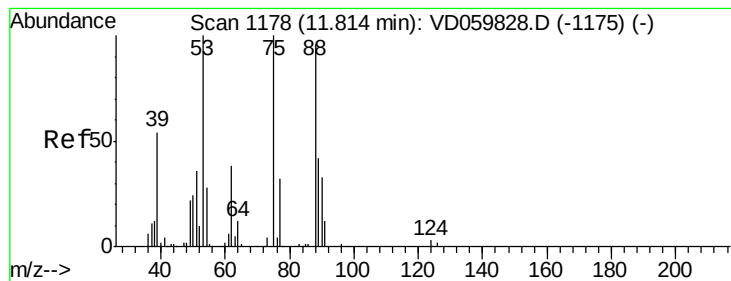
Tgt Ion: 105 Resp: 162604

Ion Ratio Lower Upper

105 100

120 45.0 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 5.084 ug/l

RT: 11.82 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

BFB

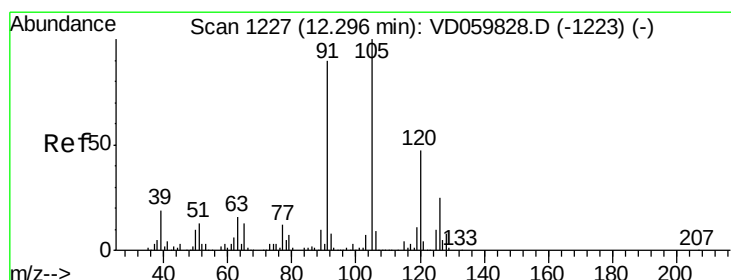
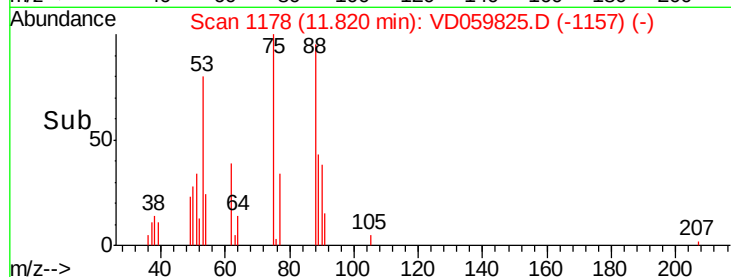
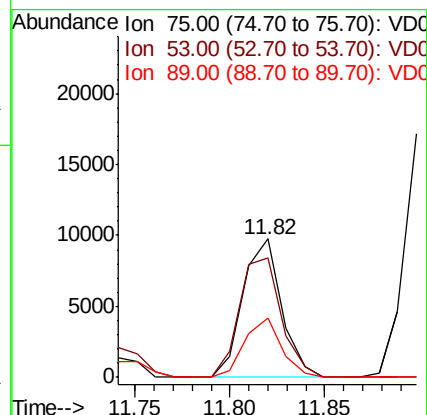
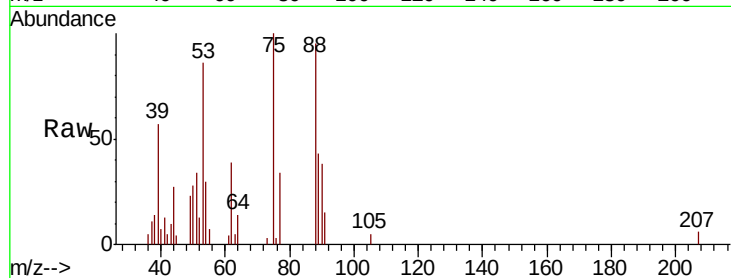
Tgt Ion: 75 Resp: 13753

Ion Ratio Lower Upper

75 100

53 86.3 80.7 121.1

89 43.2 33.9 50.9



#82

4-Chlorotoluene

Concen: 6.285 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VD059825.D

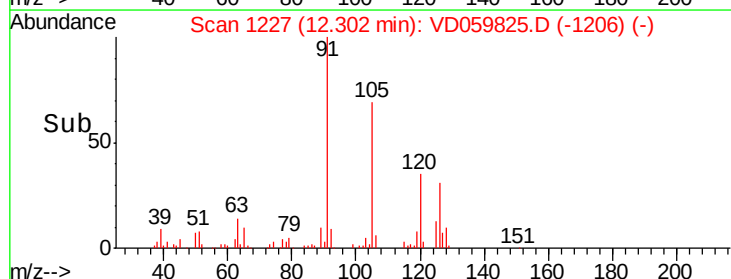
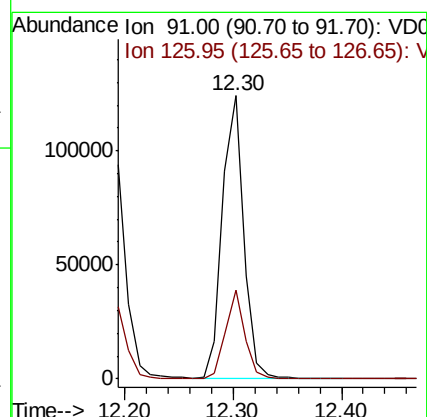
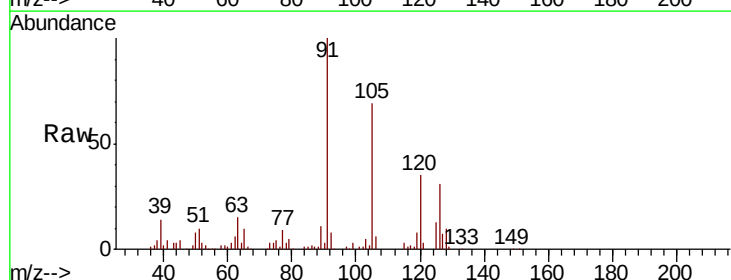
Acq: 20 Aug 2018 12:02

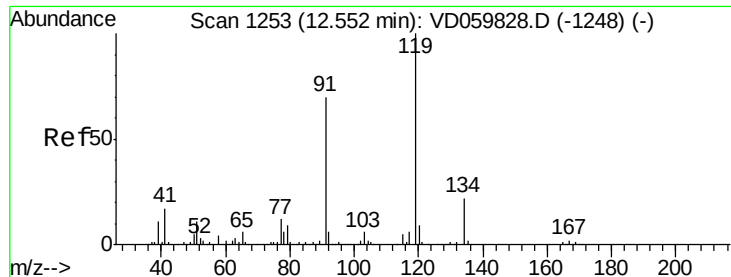
Tgt Ion: 91 Resp: 171120

Ion Ratio Lower Upper

91 100

126 31.3 13.7 41.0

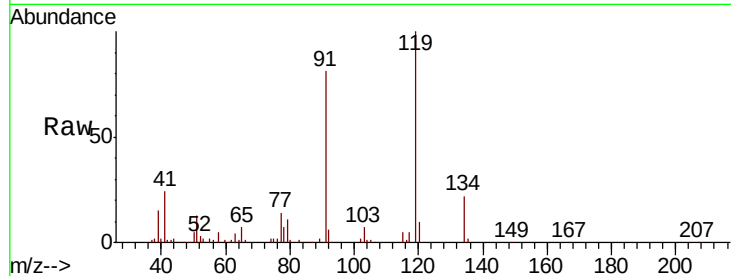




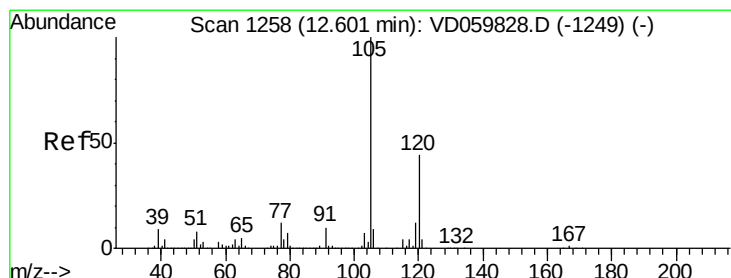
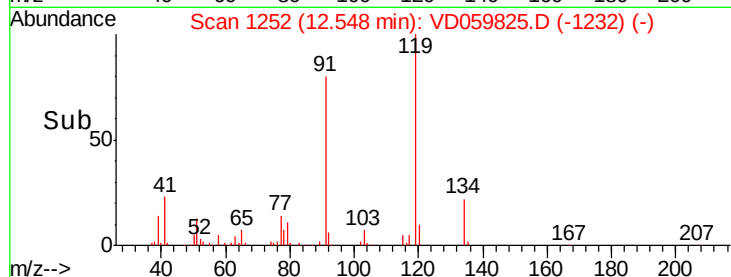
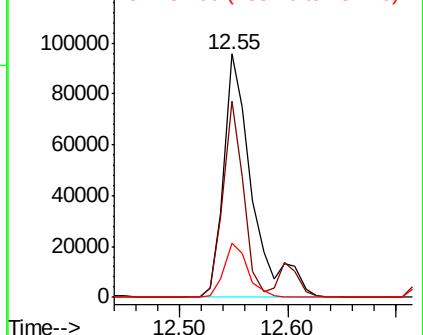
#83
 tert-Butylbenzene
 Concen: 5.489 ug/l
 RT: 12.55 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:119 Resp: 176592
 Ion Ratio Lower Upper
 119 100
 91 80.6 35.1 105.3
 134 22.4 11.0 33.0

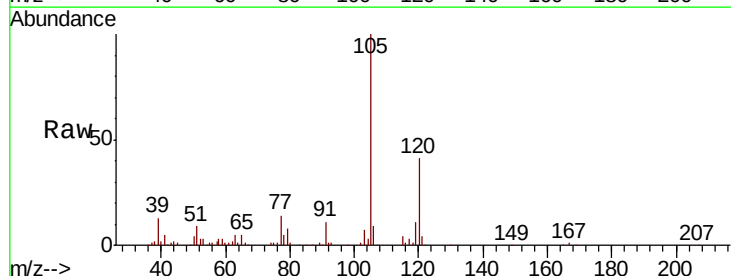


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

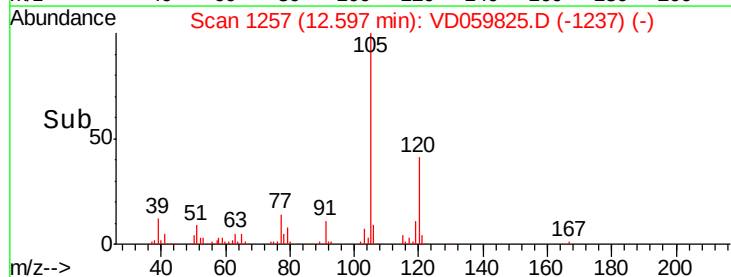
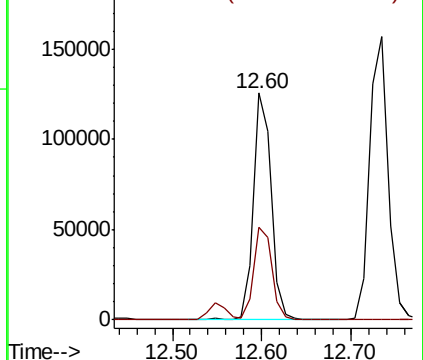


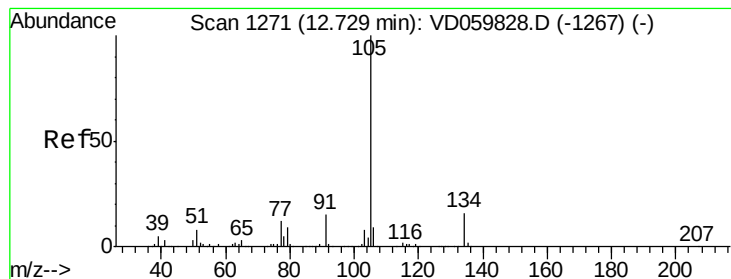
#84
 1,2,4-Trimethylbenzene
 Concen: 5.668 ug/l
 RT: 12.60 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion:105 Resp: 171758
 Ion Ratio Lower Upper
 105 100
 120 41.1 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 5.791 ug/l

RT: 12.73 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

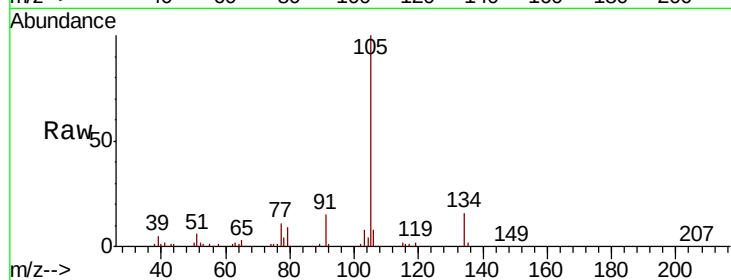
BFB

Tgt Ion:105 Resp: 223546

Ion Ratio Lower Upper

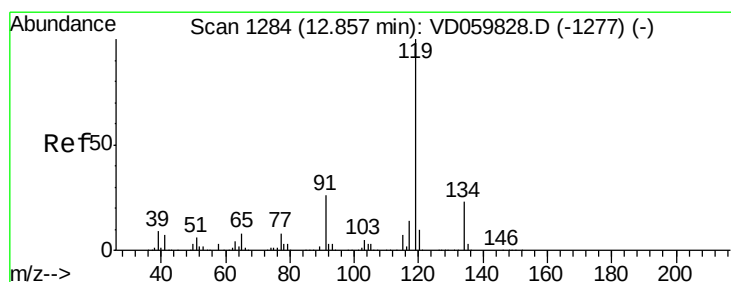
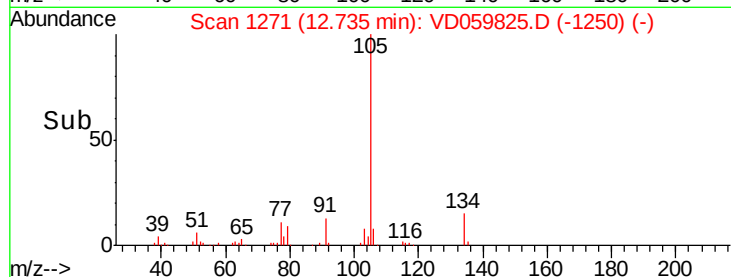
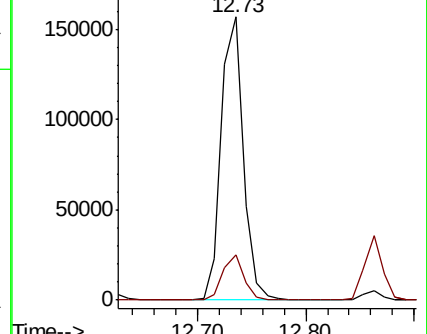
105 100

134 15.9 7.8 23.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 5.724 ug/l

RT: 12.86 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

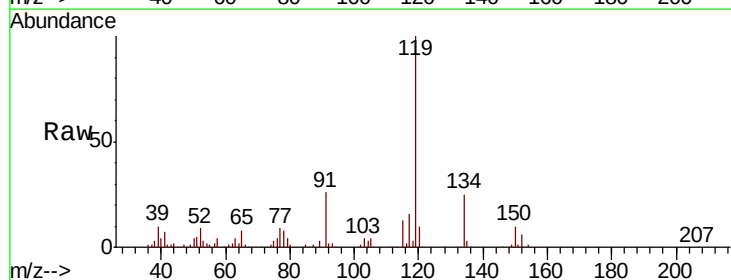
Tgt Ion:119 Resp: 173446

Ion Ratio Lower Upper

119 100

134 25.2 11.5 34.5

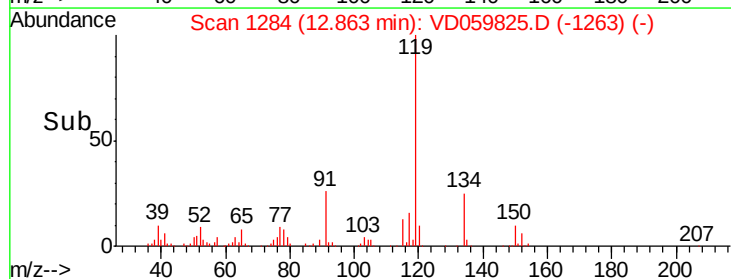
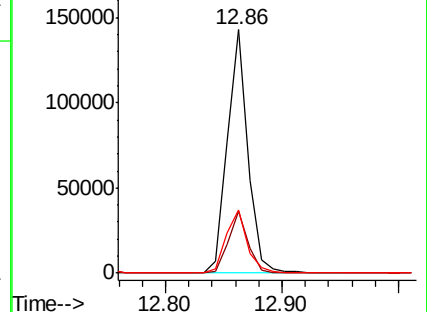
91 25.8 13.2 39.6

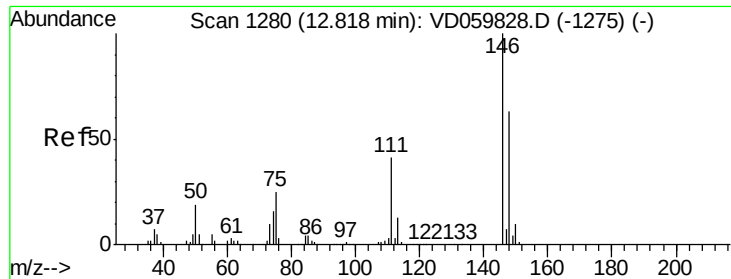


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

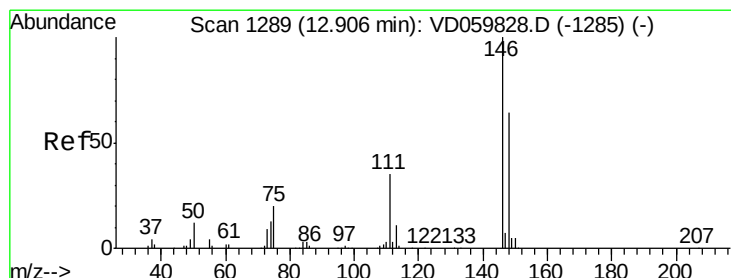
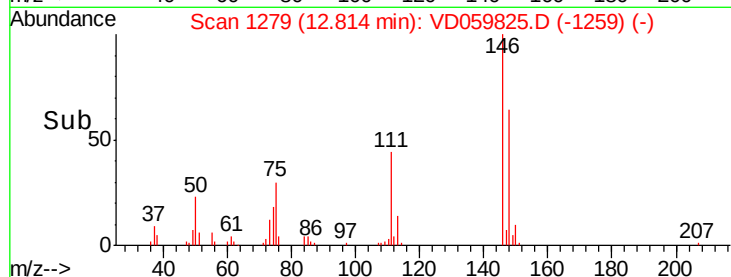
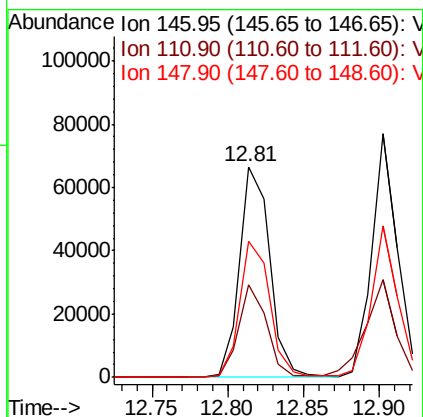
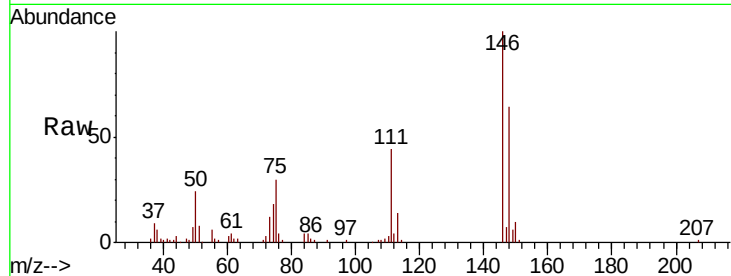




#87
 1,3-Dichlorobenzene
 Concen: 5.401 ug/l
 RT: 12.81 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

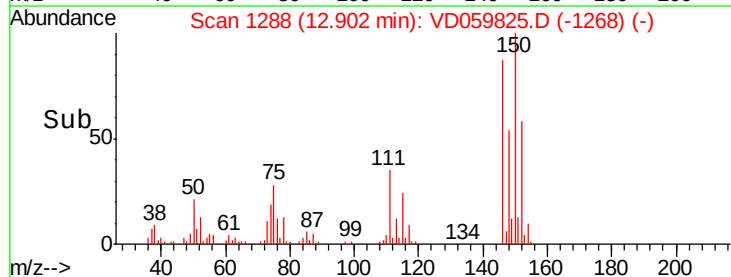
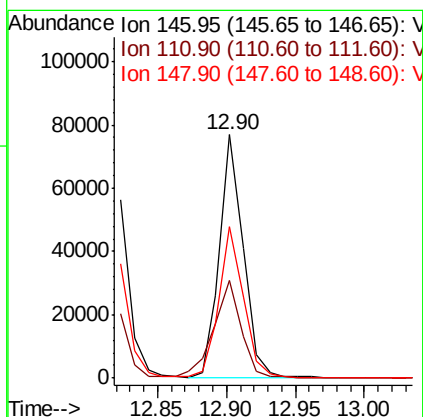
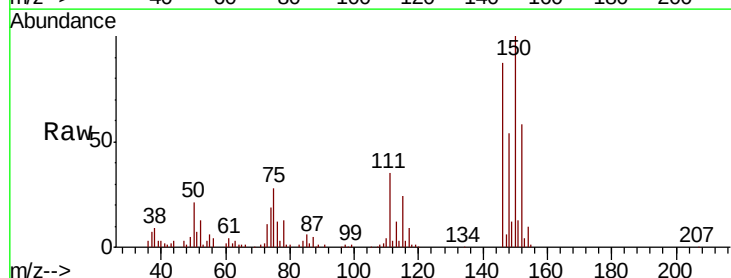
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

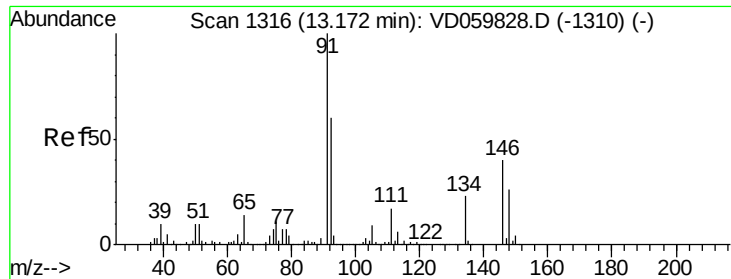
Tgt Ion:146 Resp: 92284
 Ion Ratio Lower Upper
 146 100
 111 44.2 20.3 60.9
 148 64.5 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 5.361 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion:146 Resp: 92159
 Ion Ratio Lower Upper
 146 100
 111 40.2 17.8 53.3
 148 62.4 31.9 95.9

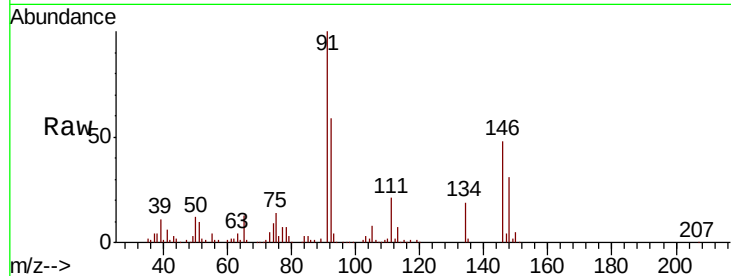




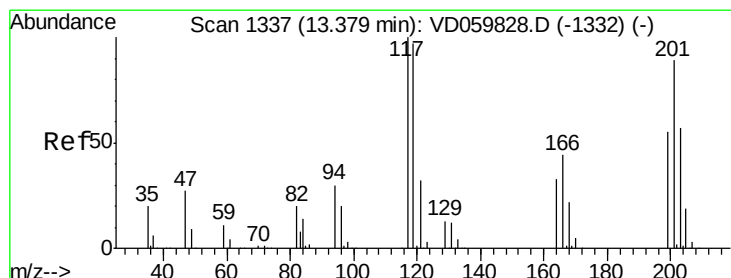
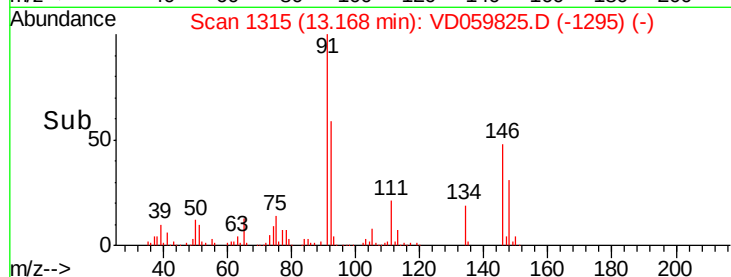
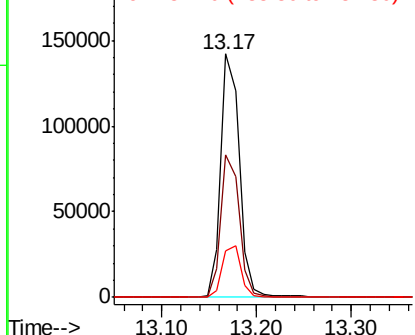
#89
n-Butylbenzene
Concen: 6.398 ug/l
RT: 13.17 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 194485
Ion Ratio Lower Upper
91 100
92 58.7 29.8 89.5
134 19.1 11.5 34.4

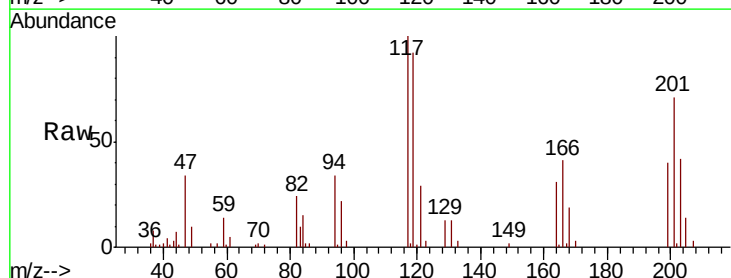


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

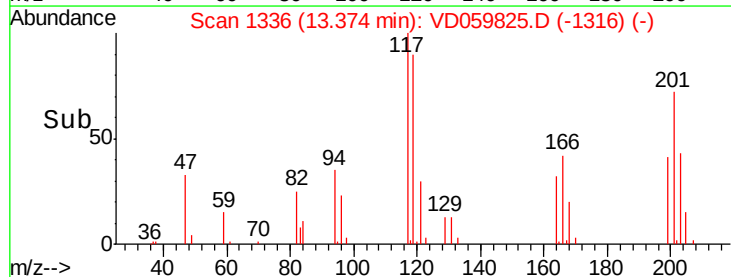
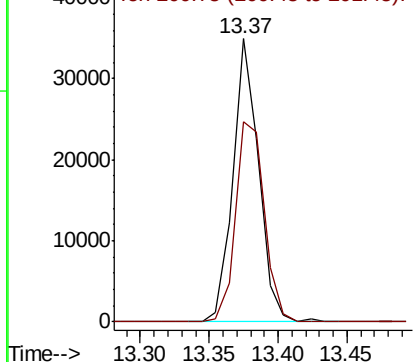


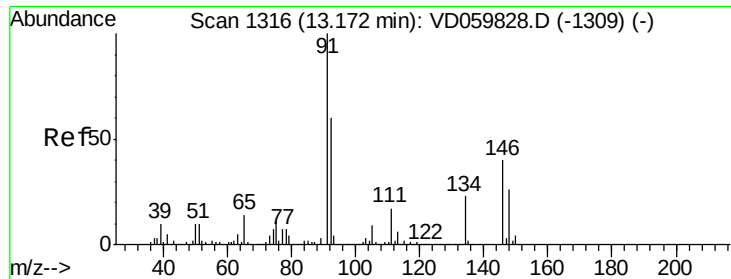
#90
Hexachloroethane
Concen: 5.299 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 117 Resp: 45355
Ion Ratio Lower Upper
117 100
201 70.5 44.6 134.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

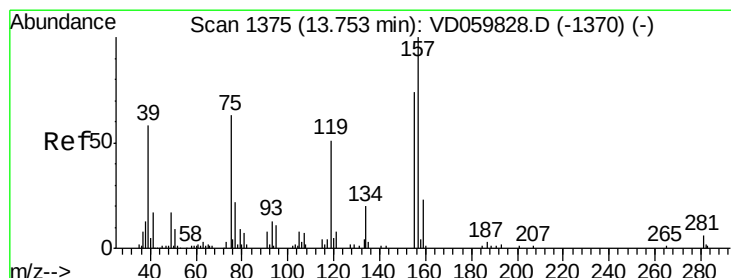
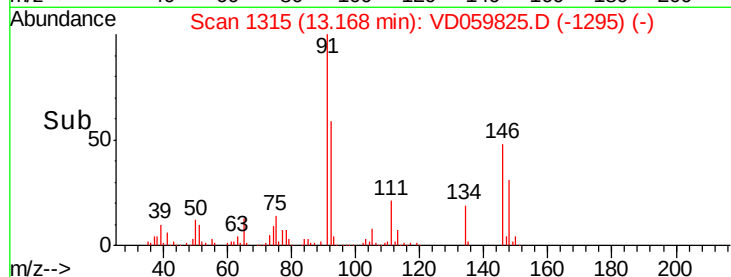
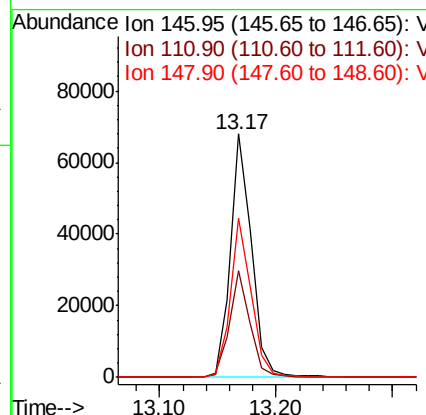
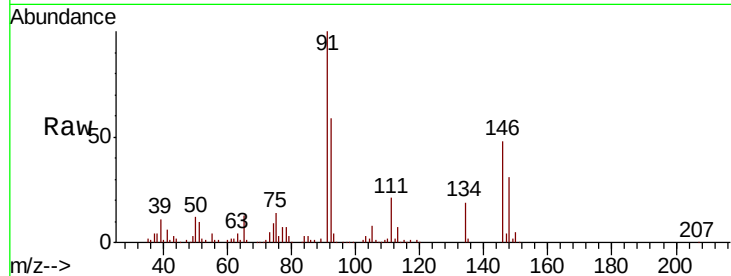




#91
 1,2-Dichlorobenzene
 Concen: 6.114 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

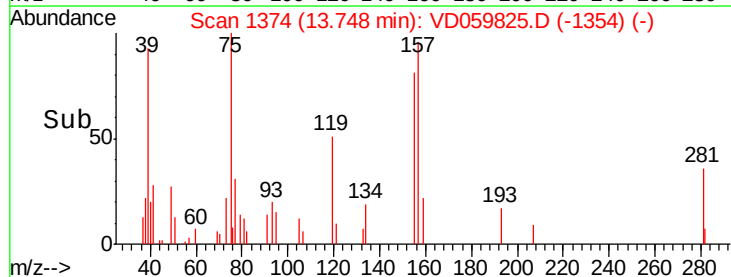
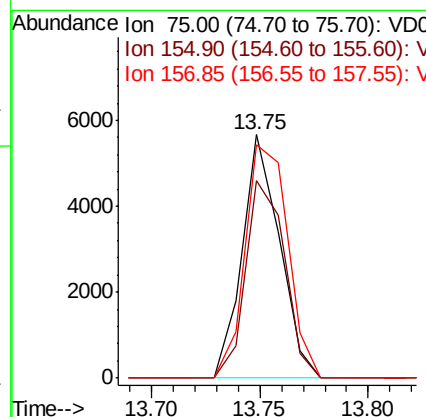
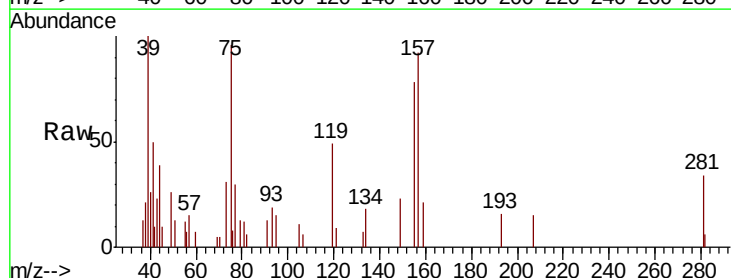
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

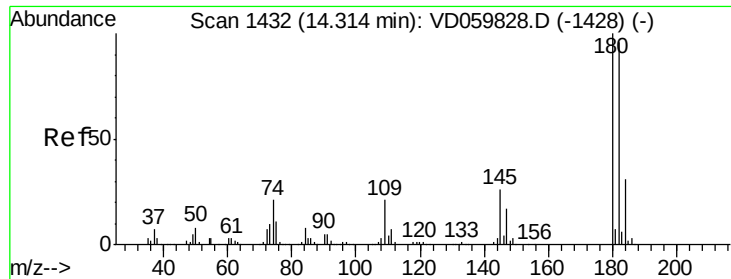
Tgt Ion:146 Resp: 85058
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.9 62.8
 148 65.2 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.466 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 75 Resp: 6796
 Ion Ratio Lower Upper
 75 100
 155 81.3 59.1 177.3
 157 95.9 79.7 238.9

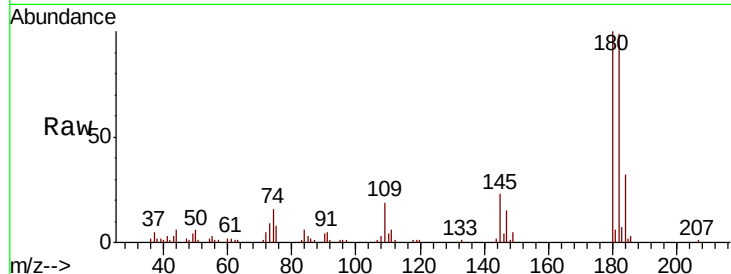




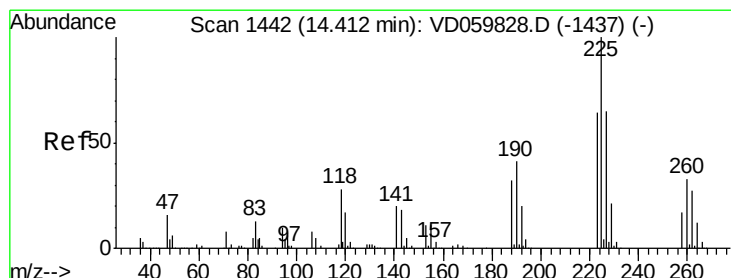
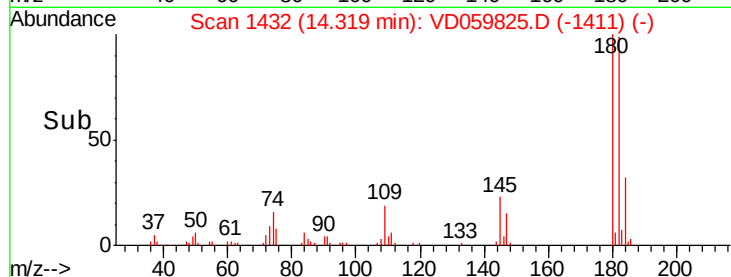
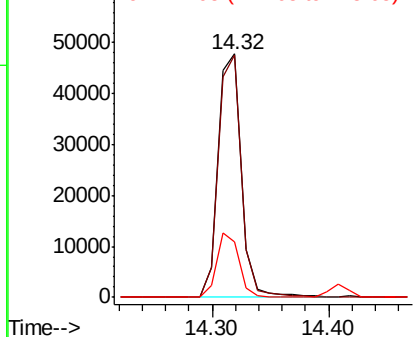
#93
 1,2,4-Trichlorobenzene
 Concen: 5.331 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 66184
 Ion Ratio Lower Upper
 180 100
 182 99.4 48.0 144.0
 145 22.9 13.1 39.1

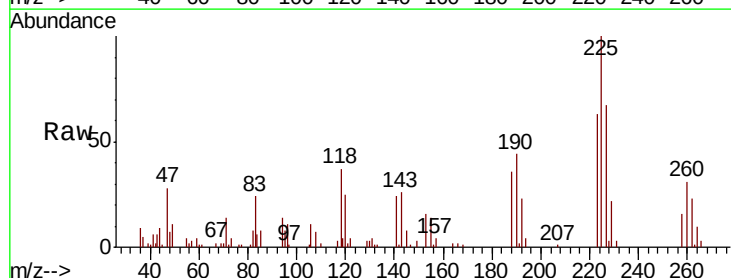


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

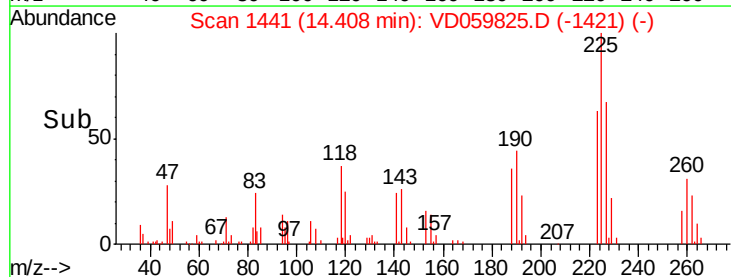
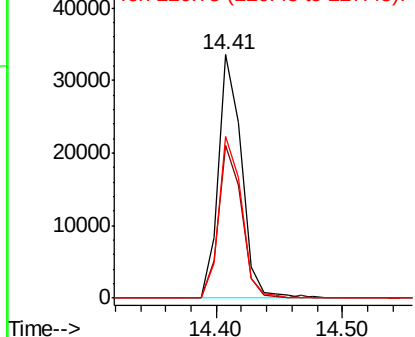


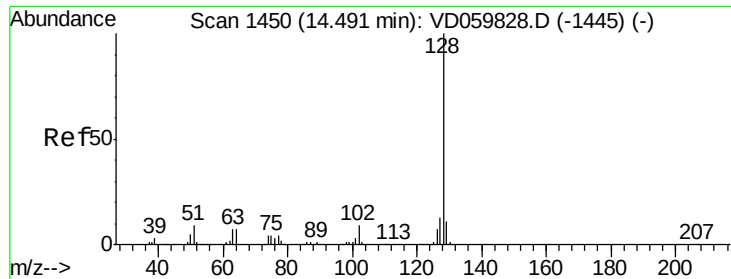
#94
 Hexachlorobutadiene
 Concen: 5.190 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion:225 Resp: 42815
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.8 95.4
 227 66.6 32.8 98.3



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

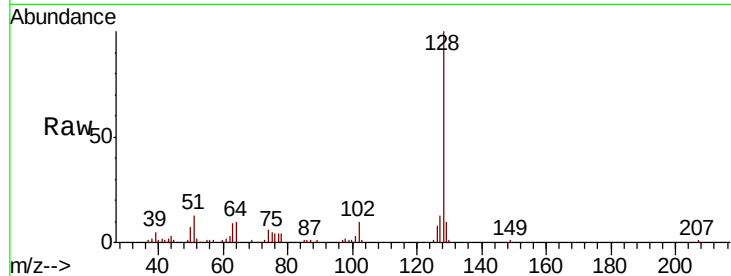




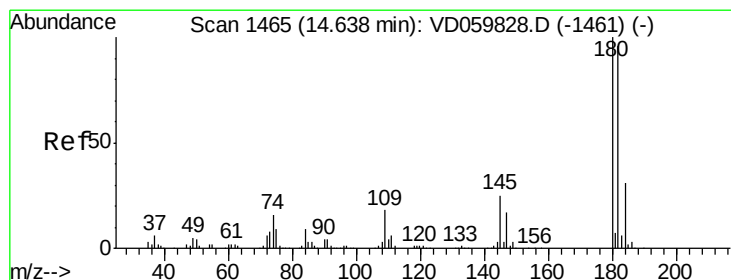
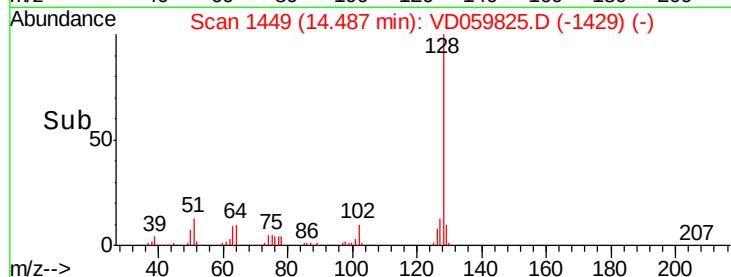
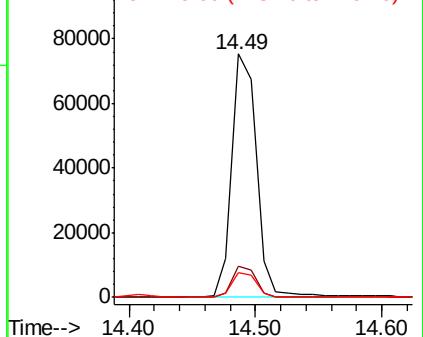
#95
Naphthalene
Concen: 5.141 ug/l
RT: 14.49 min Scan# 1449
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:128 Resp: 101838
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.3 8.7 13.1

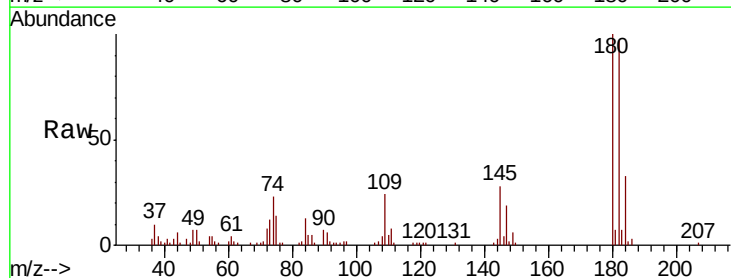


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.139 ug/l
RT: 14.63 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion:180 Resp: 55393
Ion Ratio Lower Upper
180 100
182 97.4 47.8 143.4
145 28.1 12.7 38.0



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

