

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061425.D
 Acq On : 29 Mar 2019 13:09
 Operator : VA/AP
 Sample : VD0329SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 22:36:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	722671	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1233422	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	946293	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	435420	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	302404	48.99	ug/l	0.03
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	6.94	113	495841	52.61	ug/l	0.04
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	10.42	98	1116360	49.38	ug/l	0.04
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	13.56	95	430133	49.62	ug/l	0.02
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	163029	21.124	ug/l	96
3) Chloromethane	1.77	50	132530	21.056	ug/l	97
4) Vinyl Chloride	1.87	62	118012	20.420	ug/l	92
5) Bromomethane	2.16	94	20140	17.574	ug/l #	97
6) Chloroethane	2.27	64	31438	18.550	ug/l	97
7) Trichlorofluoromethane	2.54	101	170207	20.253	ug/l	97
8) Diethyl Ether	2.88	74	53596	19.808	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	181983	20.142	ug/l	97
10) Methyl Iodide	3.33	142	236046	19.460	ug/l	95
11) Tert butyl alcohol	4.08	59	37434	97.369	ug/l	98
12) 1,1-Dichloroethene	3.14	96	158270	20.404	ug/l	93
13) Acrolein	3.05	56	29457	85.484	ug/l	97
14) Allyl chloride	3.64	41	225579	20.850	ug/l	98
15) Acrylonitrile	4.21	53	140203	105.070	ug/l	93
16) Acetone	3.24	43	146563	92.355	ug/l	99
17) Carbon Disulfide	3.40	76	504471	20.017	ug/l	100
18) Methyl Acetate	3.66	43	69645	20.873	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	267756	19.941	ug/l	100
20) Methylene Chloride	3.84	84	209021	22.454	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	176541	21.080	ug/l	98
22) Diisopropyl ether	5.13	45	490318	21.416	ug/l	93
23) Vinyl Acetate	5.07	43	1350507	108.594	ug/l	98
24) 1,1-Dichloroethane	5.00	63	275234	20.456	ug/l	99
25) 2-Butanone	6.08	43	194438	97.401	ug/l	98
26) 2,2-Dichloropropane	6.04	77	233545	21.835	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	196590	21.425	ug/l	98
28) Bromochloromethane	6.46	49	106480	19.605	ug/l #	92
29) Tetrahydrofuran	6.48	42	107293	110.889	ug/l	98
30) Chloroform	6.68	83	296065	21.295	ug/l	97
31) Cyclohexane	6.97	56	236653	22.257	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	257625	21.004	ug/l	96
36) 1,1-Dichloropropene	7.17	75	224170	20.824	ug/l	99
37) Ethyl Acetate	6.19	43	91089	19.785	ug/l #	96
38) Carbon Tetrachloride	7.13	117	250345	20.238	ug/l	97

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Instrument :
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	239477	21.360	ug/l	99
40) Benzene	7.47	78	545555	20.193	ug/l	97
41) Methacrylonitrile	6.46	41	118367	21.989	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	167313	20.703	ug/l	98
43) Isopropyl Acetate	9.25	43	145705	21.751	ug/l	95
44) Trichloroethene	8.55	130	204438	20.333	ug/l	97
45) 1,2-Dichloropropane	8.95	63	140556	20.517	ug/l	95
46) Dibromomethane	9.08	93	93963	20.378	ug/l	95
47) Bromodichloromethane	9.39	83	224002	21.644	ug/l	98
48) Methyl methacrylate	9.13	41	76150	20.598	ug/l	99
49) 1,4-Dioxane	9.09	88	18283	448.372	ug/l #	81
51) 4-Methyl-2-Pentanone	10.31	43	415883	102.047	ug/l	98
52) Toluene	10.51	92	340389	20.652	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	193218	20.549	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	244969	21.396	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	120479	20.901	ug/l	97
56) Ethyl methacrylate	11.05	69	121435	19.610	ug/l	98
57) 1,3-Dichloropropane	11.42	76	172251	20.331	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	347447	115.214	ug/l	98
59) 2-Hexanone	11.54	43	299404	101.398	ug/l	99
60) Dibromochloromethane	11.69	129	180387	20.299	ug/l	99
61) 1,2-Dibromoethane	11.81	107	140529	21.054	ug/l	98
64) Tetrachloroethene	11.27	164	152435	20.525	ug/l	96
65) Chlorobenzene	12.40	112	416113	21.517	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	168641	22.522	ug/l	99
67) Ethyl Benzene	12.53	91	676543	22.919	ug/l	97
68) m/p-Xylenes	12.68	106	498328	44.566	ug/l	98
69) o-Xylene	13.05	106	252156	23.238	ug/l	98
70) Styrene	13.08	104	418740	22.137	ug/l	99
71) Bromoform	13.24	173	95863	20.196	ug/l #	98
73) Isopropylbenzene	13.41	105	662087	21.848	ug/l	97
74) N-amyl acetate	13.27	43	161769	19.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	132093	20.663	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	130459	20.742	ug/l	98
77) Bromobenzene	13.67	156	180628	20.105	ug/l	97
78) n-propylbenzene	13.78	91	841789	22.698	ug/l	98
79) 2-Chlorotoluene	13.85	91	438016	21.752	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	539355	22.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	37052	19.321	ug/l #	88
82) 4-Chlorotoluene	13.95	91	499749	22.824	ug/l	87
83) tert-Butylbenzene	14.19	119	600130	20.423	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	563421	22.133	ug/l	99
85) sec-Butylbenzene	14.37	105	705420	22.597	ug/l	99
86) p-Isopropyltoluene	14.50	119	579989	21.972	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	309146	20.320	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	313755	21.148	ug/l	94
89) n-Butylbenzene	14.81	91	548459	22.637	ug/l	99
90) Hexachloroethane	15.01	117	153115	20.532	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	274106	21.965	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	14627	19.508	ug/l	94

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Instrument :
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ClientSampleId :

Quant Time: Mar 29 22:36:23 2019
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

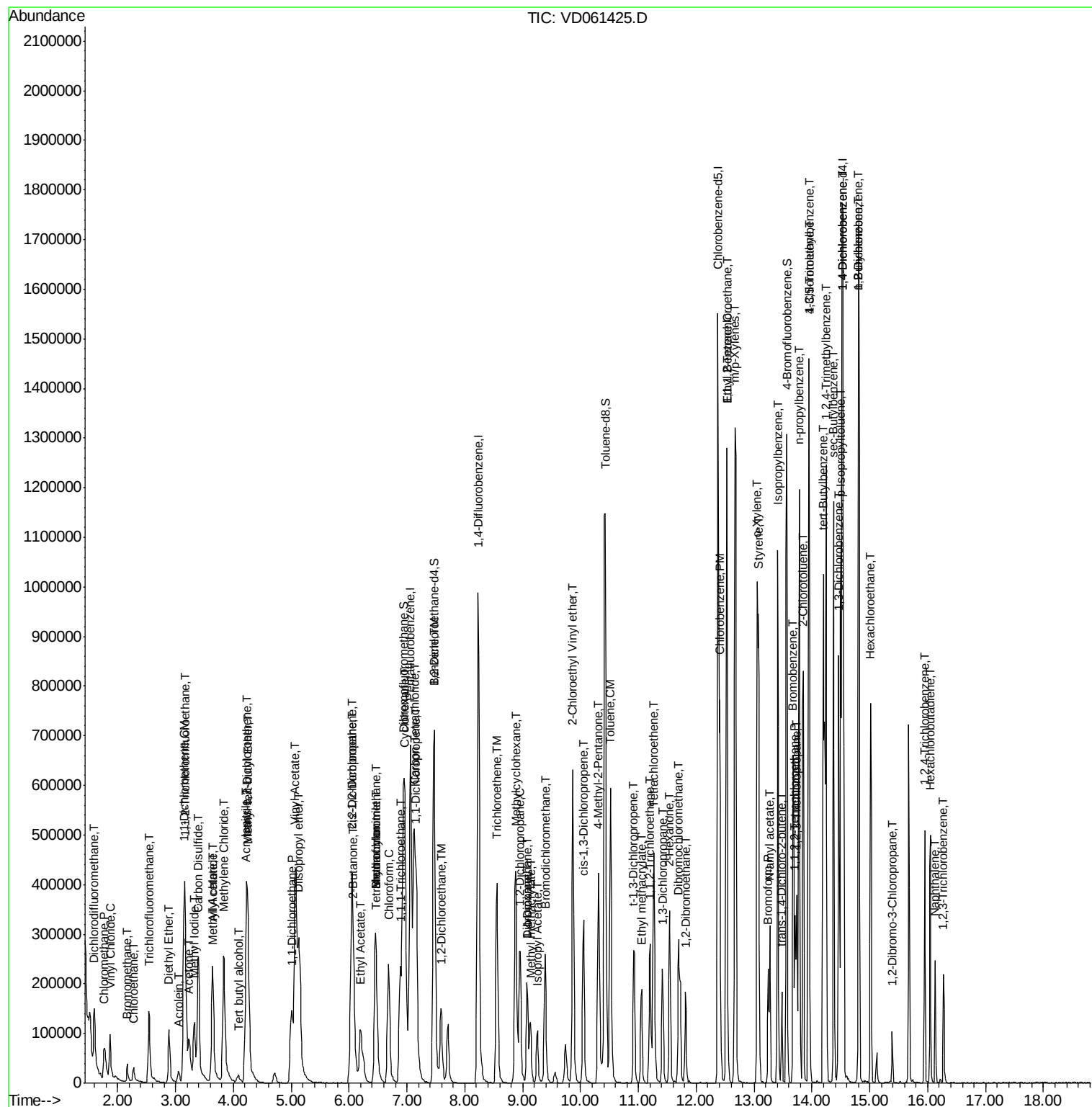
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	123117	21.658	ug/l	98
94) Hexachlorobutadiene	16.05	225	92348	20.789	ug/l	96
95) Naphthalene	16.13	128	175197	20.219	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	54728	21.878	ug/l	93

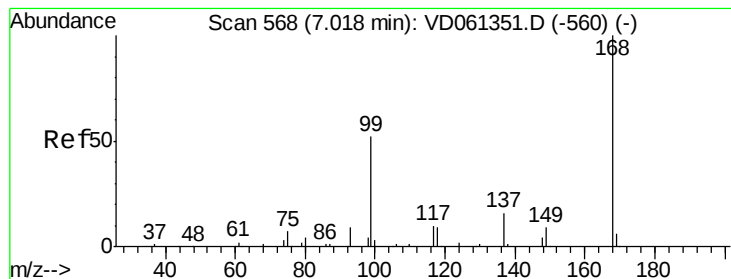
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061425.D
 Acq On : 29 Mar 2019 13:09
 Operator : VA/AP
 Sample : VD0329SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 22:36:23 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

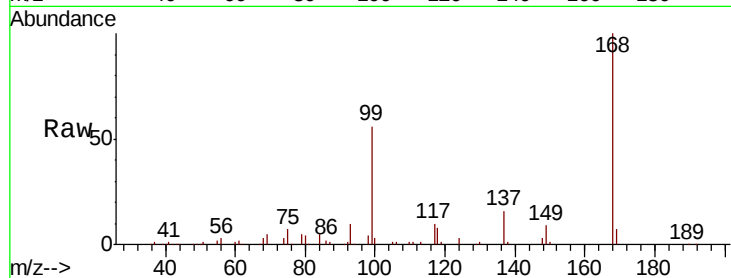
ClientSampleId :

Tot Ion:168 Resp: 722671

Ion Ratio Lower Upper

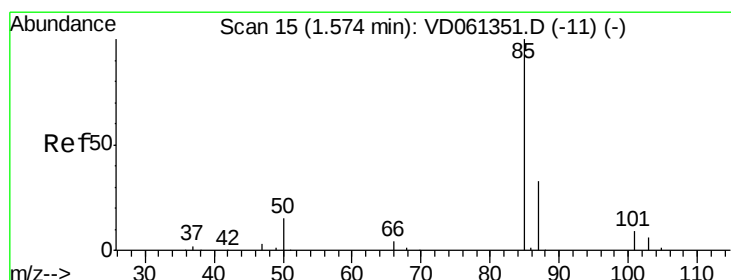
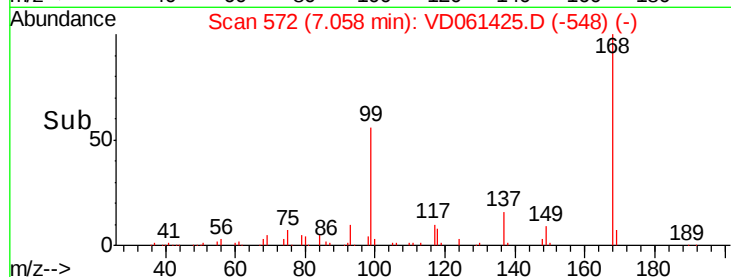
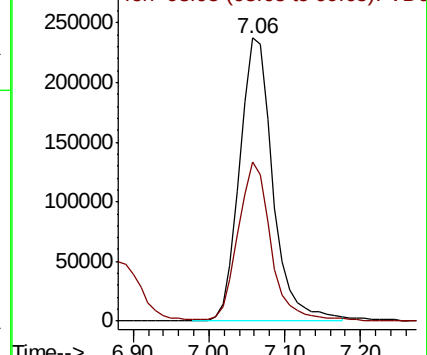
168 100

99 56.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.124 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061425.D

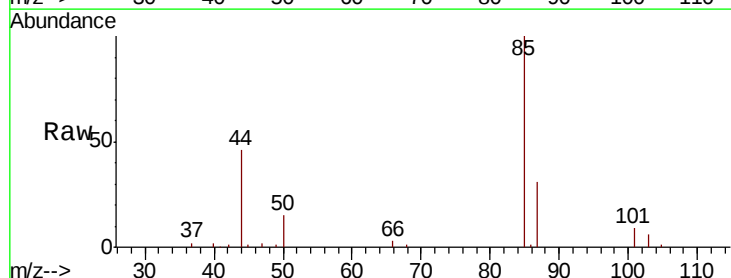
Acq: 29 Mar 2019 13:09

Tgt Ion: 85 Resp: 163029

Ion Ratio Lower Upper

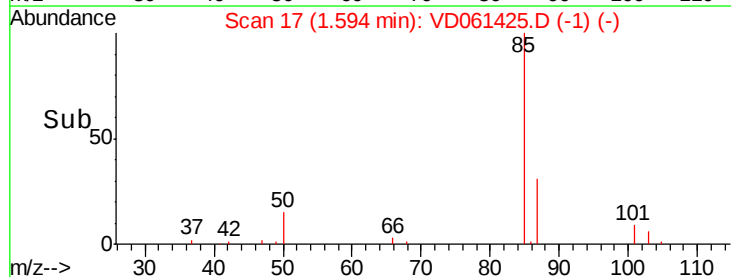
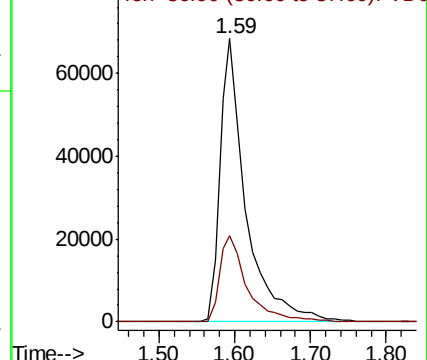
85 100

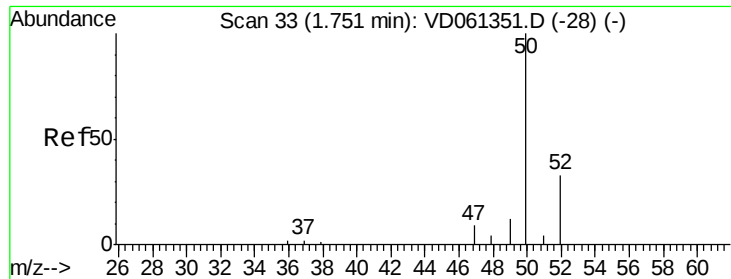
87 30.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.056 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

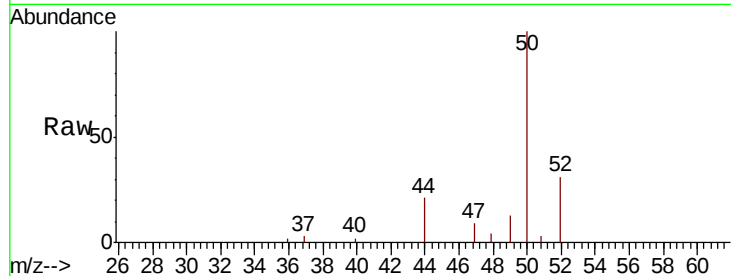
ClientSampleId :

Tot Ion: 50 Resp: 132530

Ion Ratio Lower Upper

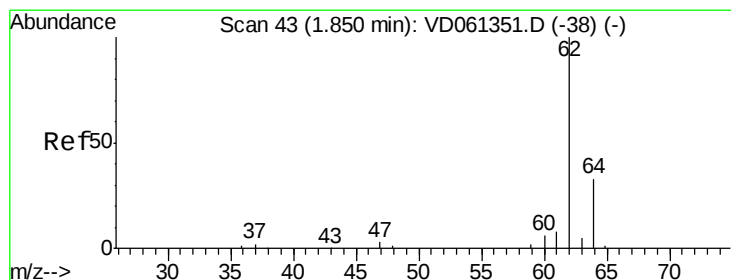
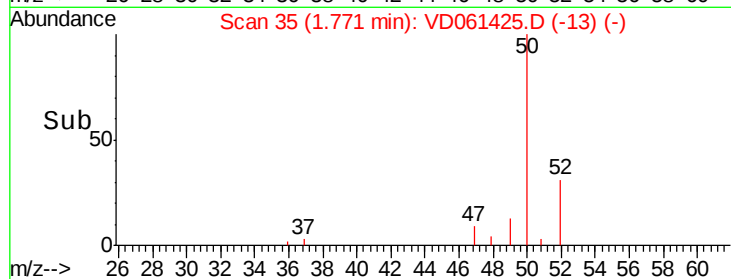
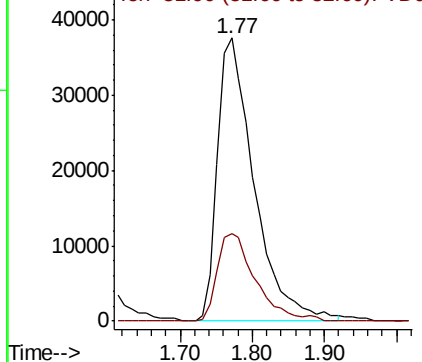
50 100

52 30.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.420 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061425.D

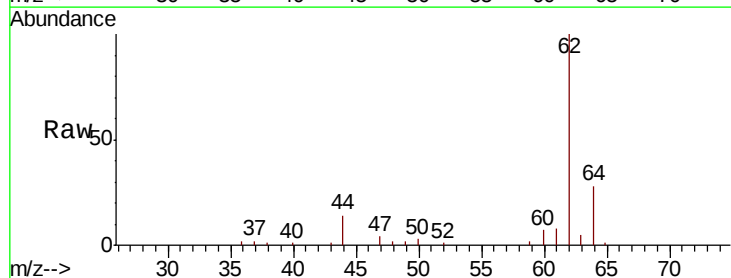
Acq: 29 Mar 2019 13:09

Tgt Ion: 62 Resp: 118012

Ion Ratio Lower Upper

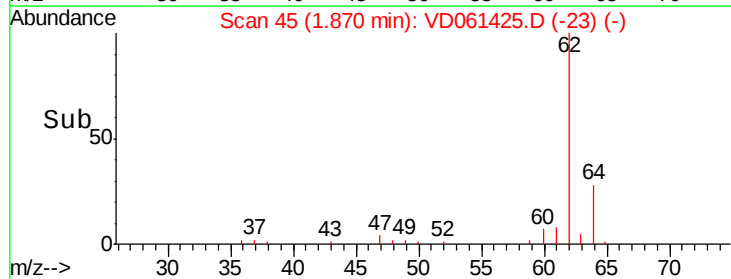
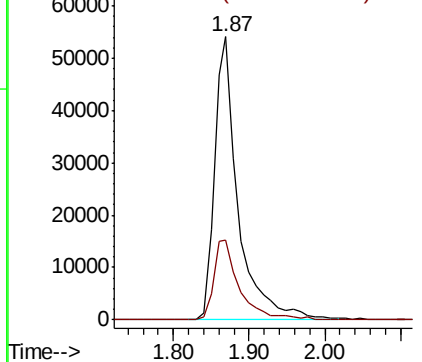
62 100

64 28.4 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

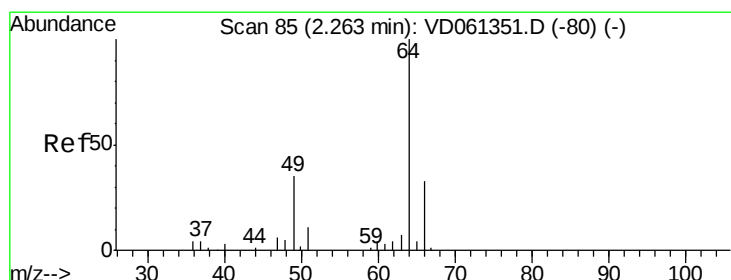
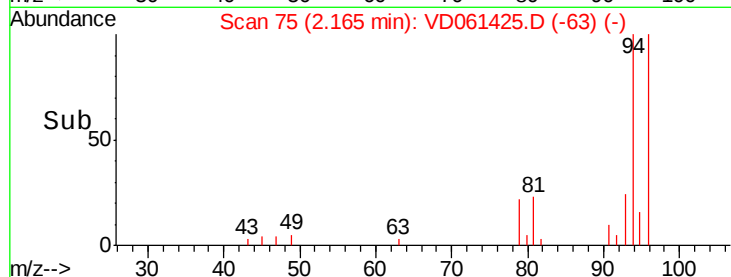
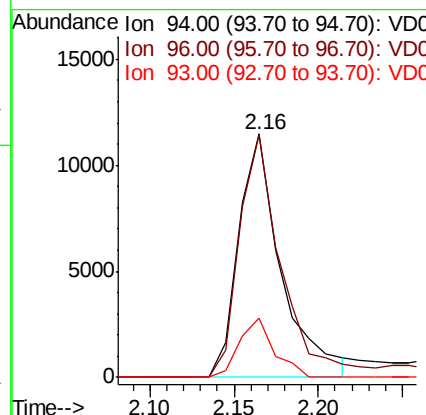
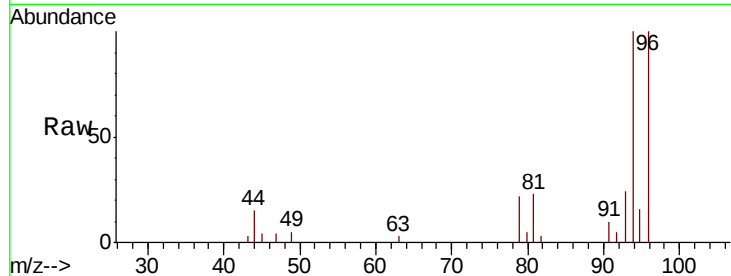




#5
Bromomethane
Concen: 17.574 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

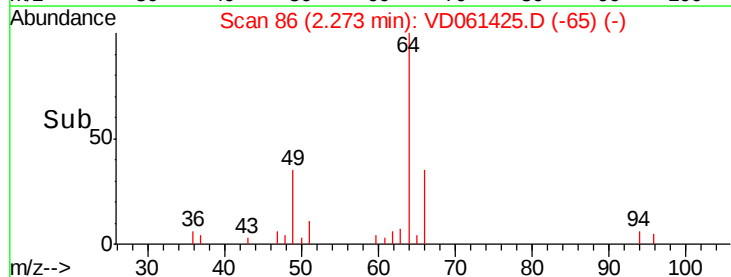
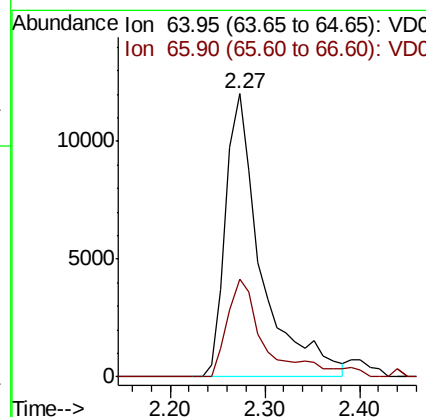
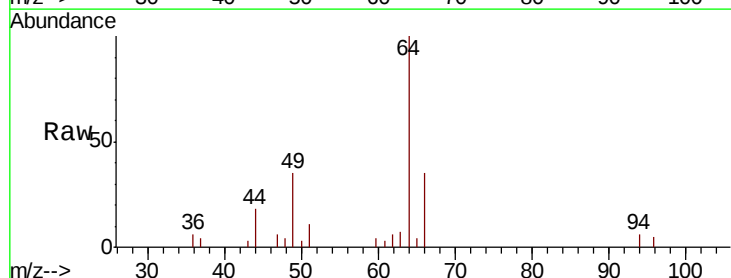
Instrument :
MSVOA_D
ClientSampled :

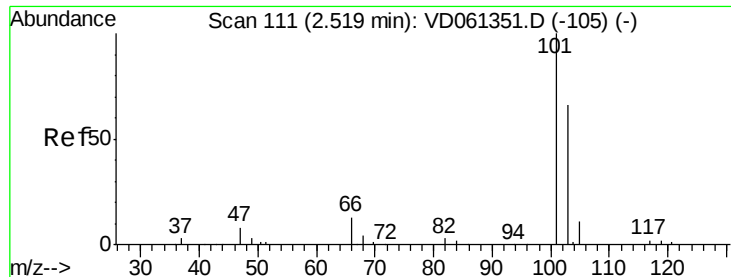
Tot Ion: 94 Resp: 20140
Ion Ratio Lower Upper
94 100
96 99.6 78.3 117.5
93 24.2 15.6 23.4#



#6
Chloroethane
Concen: 18.550 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.01 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 64 Resp: 31438
Ion Ratio Lower Upper
64 100
66 34.6 26.2 39.2



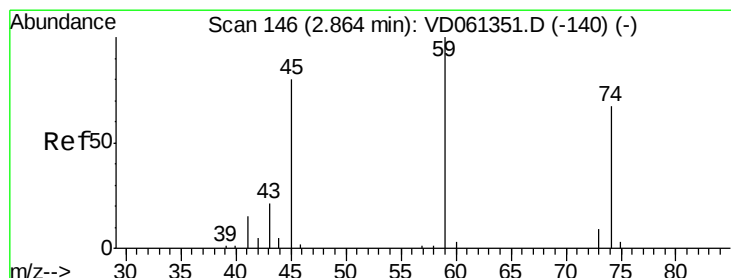
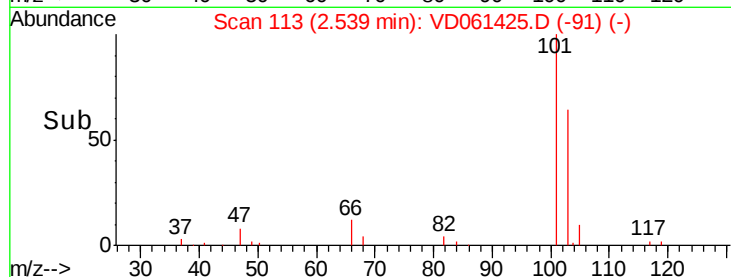
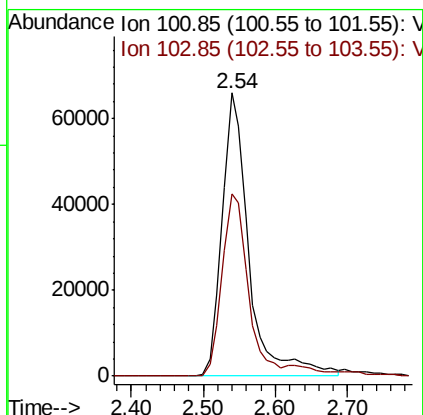
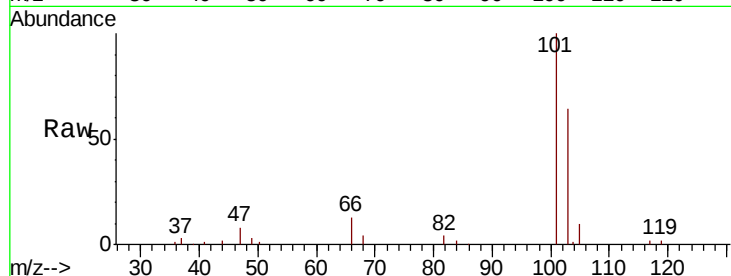


#7

Trichlorofluoromethane
Concen: 20.253 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

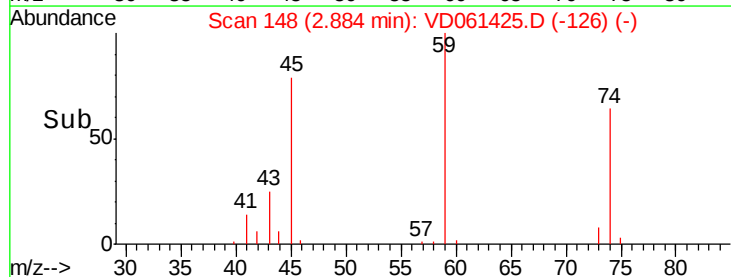
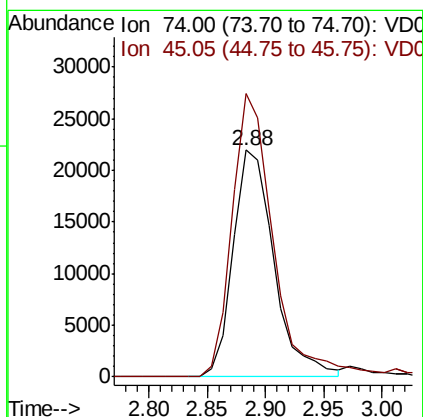
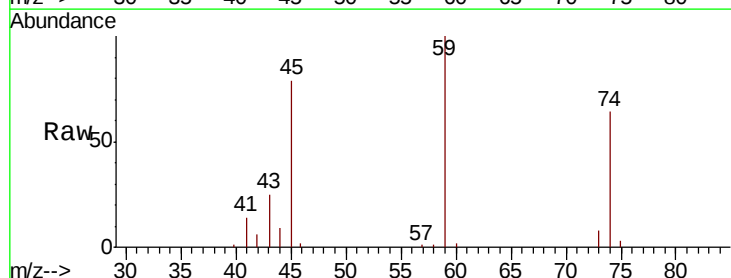
Tot Ion:101 Resp: 170207
Ion Ratio Lower Upper
101 100
103 64.3 53.1 79.7



#8

Diethyl Ether
Concen: 19.808 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 74 Resp: 53596
Ion Ratio Lower Upper
74 100
45 124.7 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.142 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

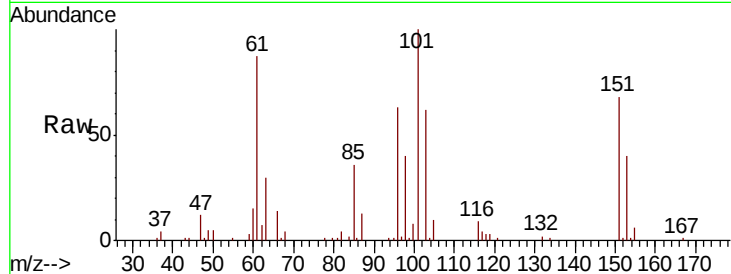
Tot Ion:101 Resp: 181983

Ion Ratio Lower Upper

101 100

85 36.1 29.4 44.0

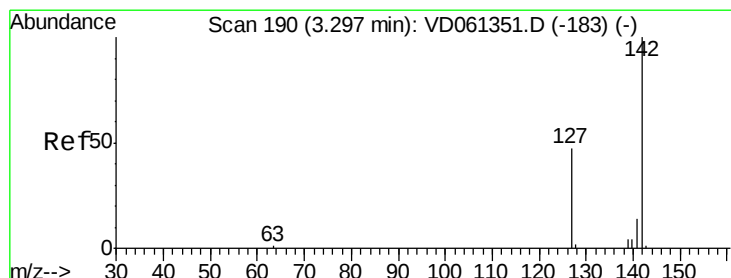
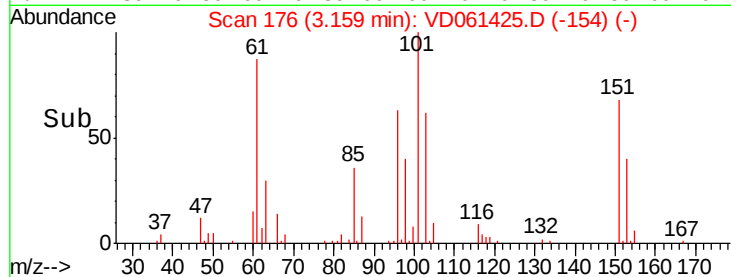
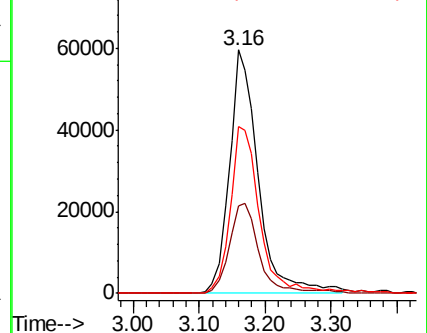
151 68.3 57.0 85.4



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: 19.460 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

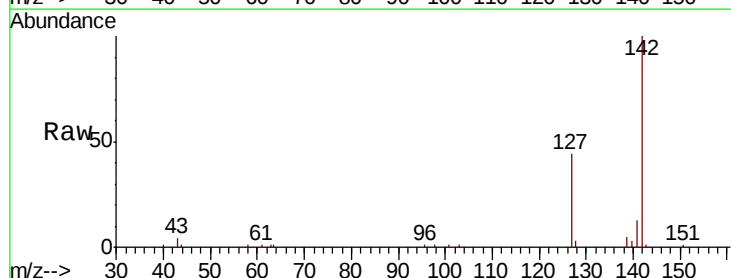
Tgt Ion:142 Resp: 236046

Ion Ratio Lower Upper

142 100

127 43.7 37.7 56.5

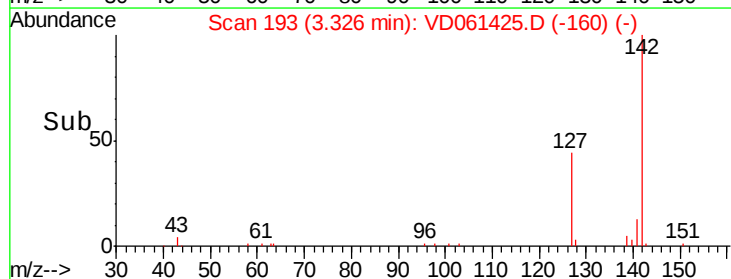
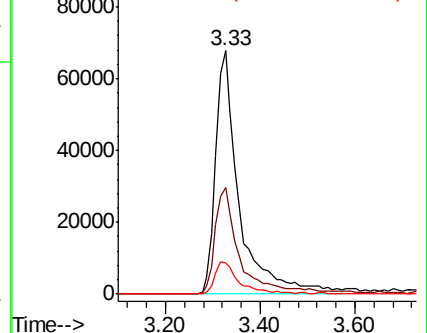
141 12.7 11.5 17.3

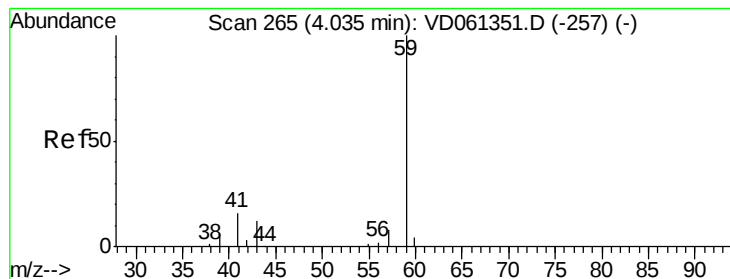


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



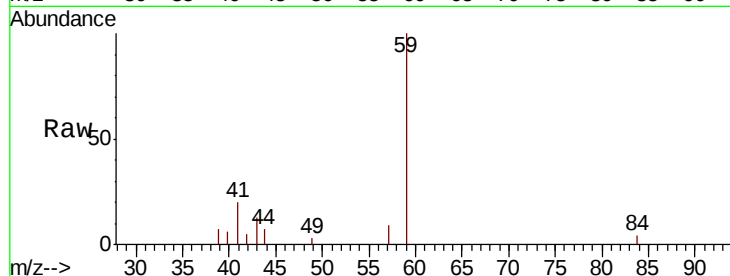


#11

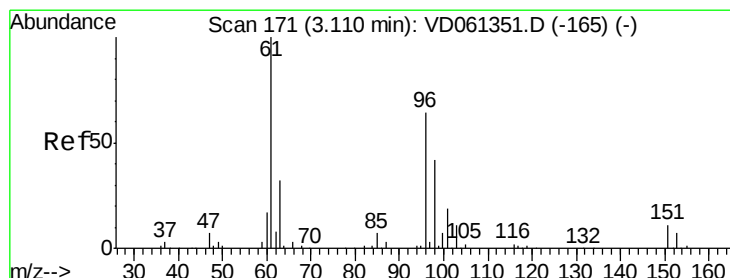
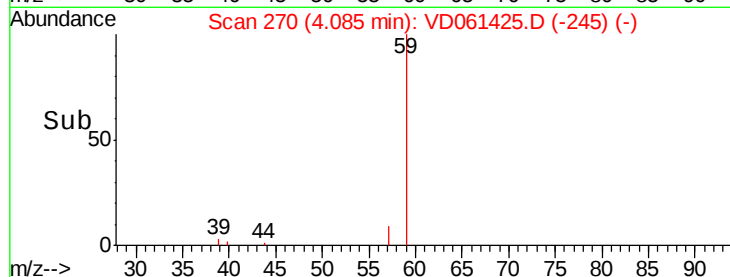
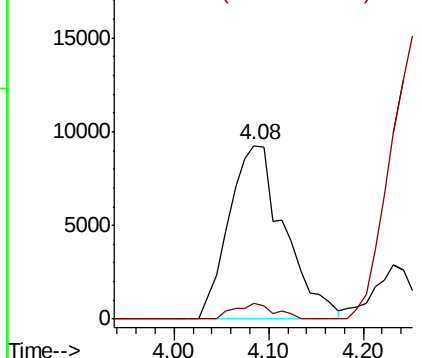
Tert butyl alcohol
 Concen: 97.369 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.05 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 37434
 Ion Ratio Lower Upper
 59 100
 57 9.2 6.7 10.1



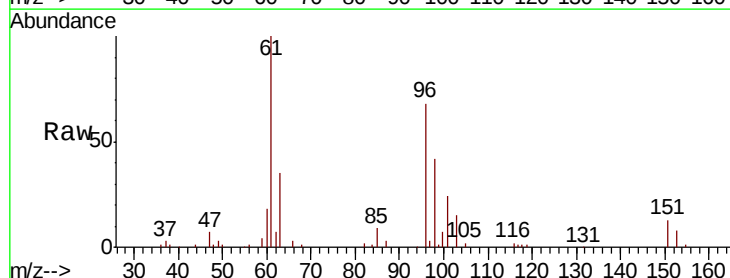
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



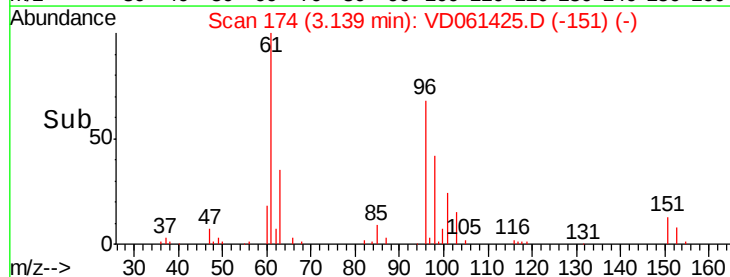
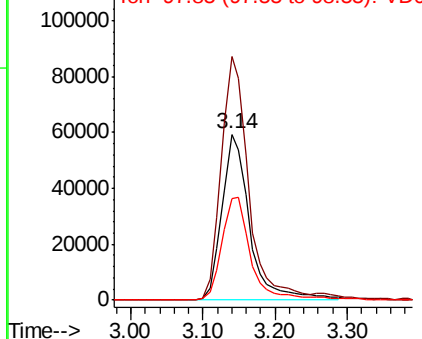
#12

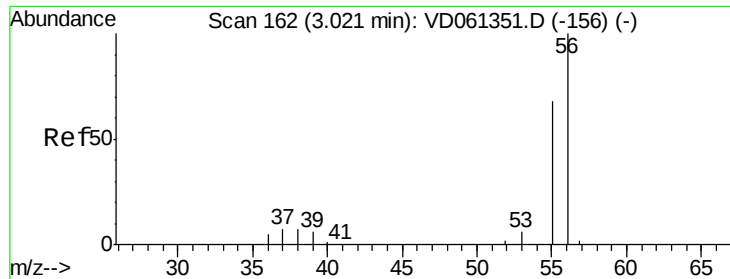
1,1-Dichloroethene
 Concen: 20.404 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 96 Resp: 158270
 Ion Ratio Lower Upper
 96 100
 61 147.0 124.9 187.3
 98 61.1 52.5 78.7



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: 85.484 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

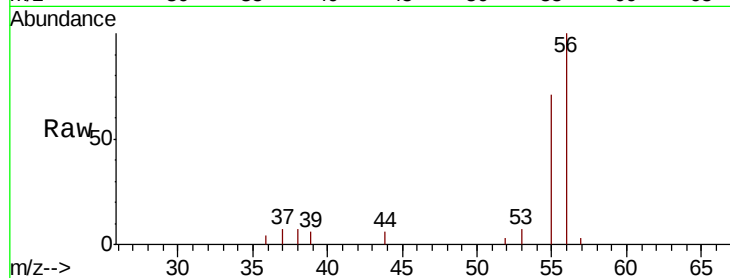
ClientSampleId :

Tot Ion: 56 Resp: 29457

Ion Ratio Lower Upper

56 100

55 70.9 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

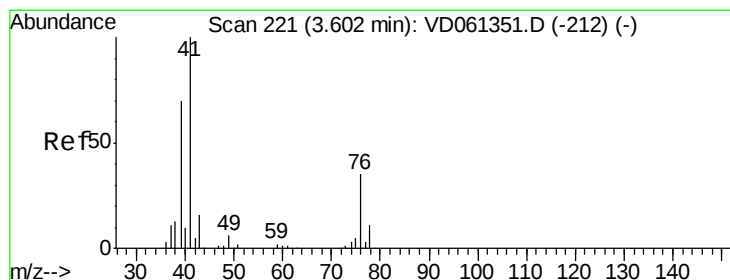
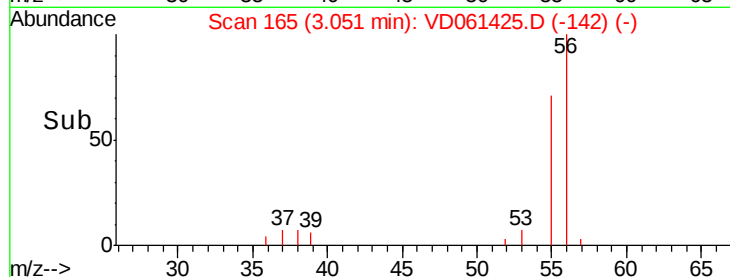
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.850 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

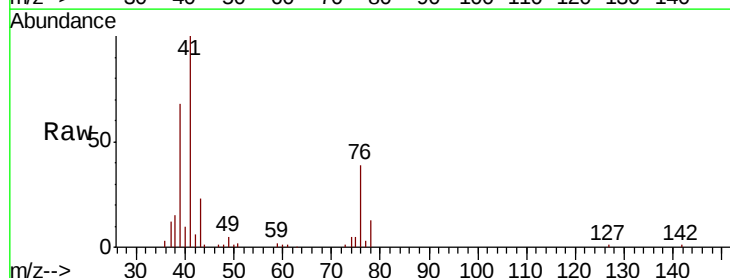
Tgt Ion: 41 Resp: 225579

Ion Ratio Lower Upper

41 100

39 67.6 55.6 83.4

76 39.5 31.0 46.6



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

100000

80000

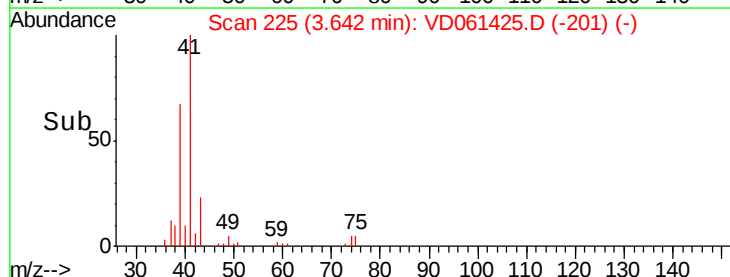
60000

40000

20000

0

Time-->

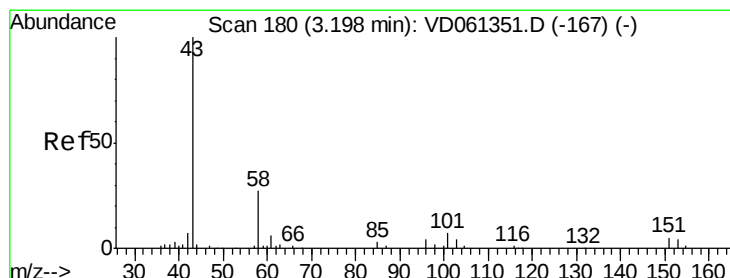
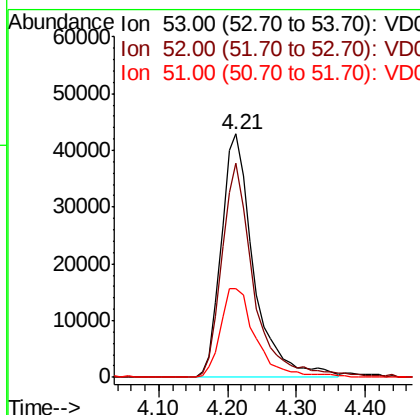
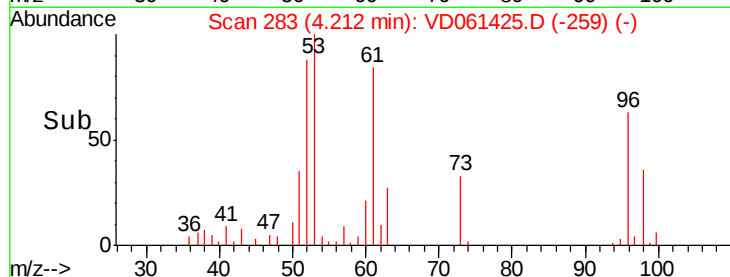
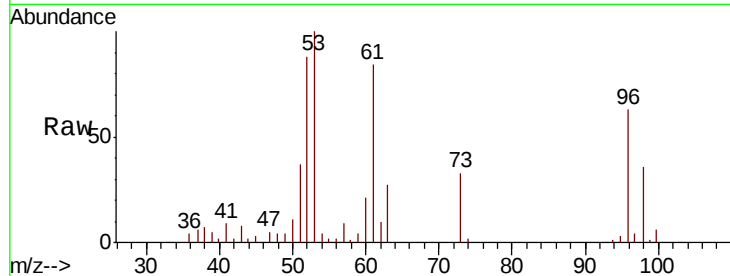




#15
Acrylonitrile
Concen: 105.070 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

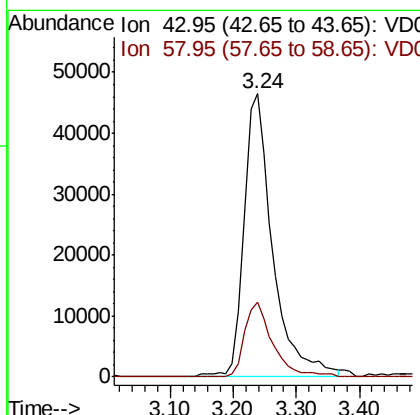
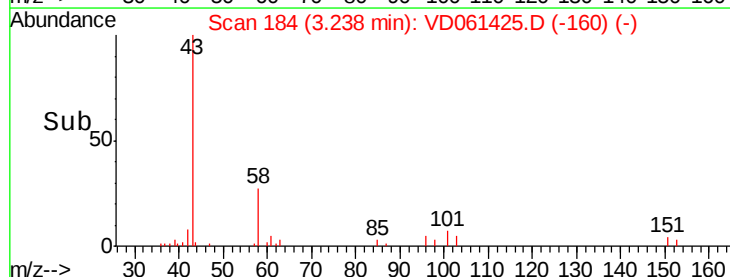
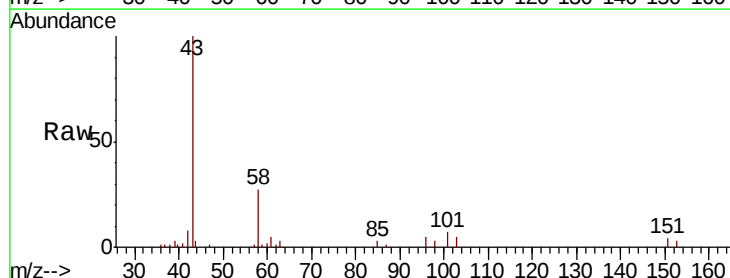
Instrument :
MSVOA_D
ClientSampled :

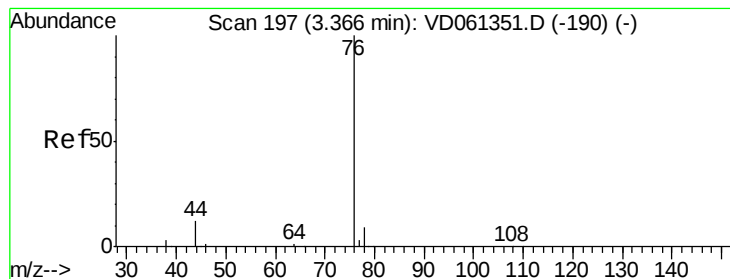
Tot Ion: 53 Resp: 140203
Ion Ratio Lower Upper
53 100
52 88.1 64.8 97.2
51 36.7 31.4 47.2



#16
Acetone
Concen: 92.355 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 43 Resp: 146563
Ion Ratio Lower Upper
43 100
58 26.5 21.5 32.3





#17

Carbon Disulfide

Concen: 20.017 ug/l

RT: 3.40 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

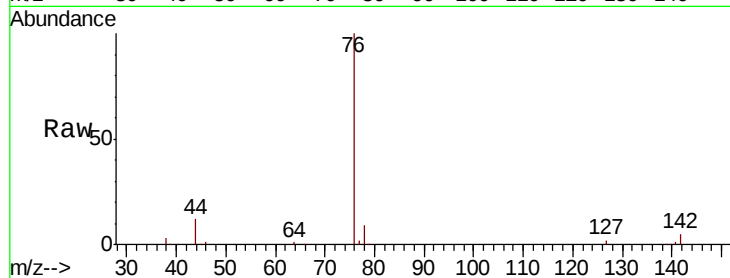
ClientSampleId :

Tot Ion: 76 Resp: 504471

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.40

200000

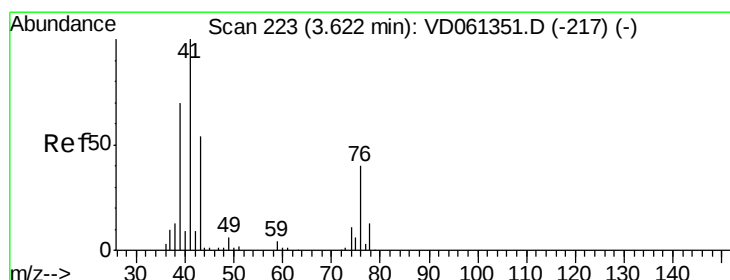
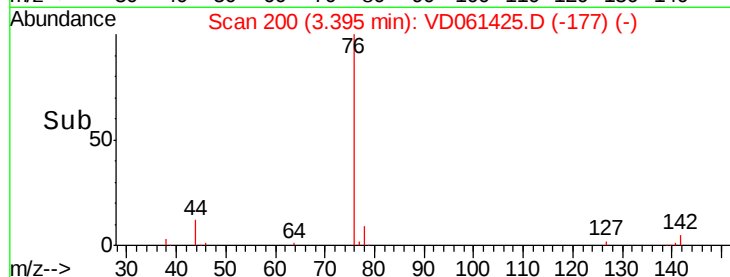
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.873 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD061425.D

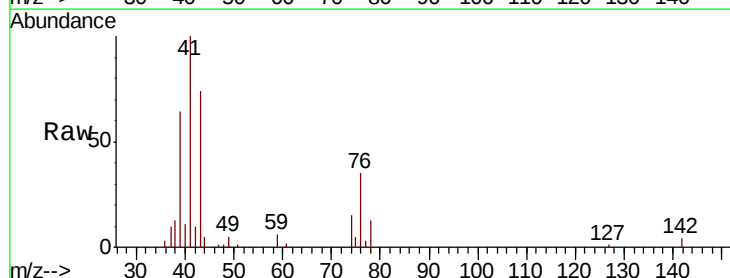
Acq: 29 Mar 2019 13:09

Tgt Ion: 43 Resp: 69645

Ion Ratio Lower Upper

43 100

74 19.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.66

25000

20000

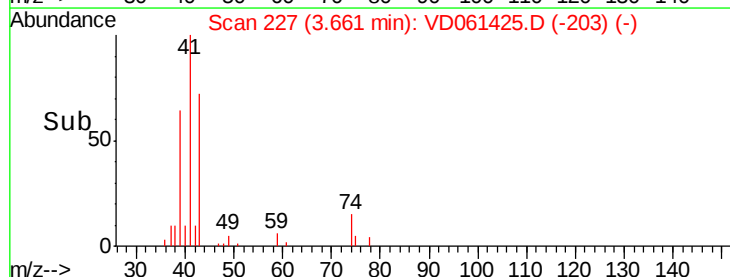
15000

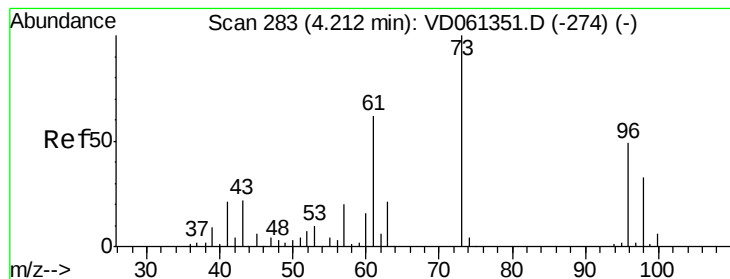
10000

5000

0

Time-->



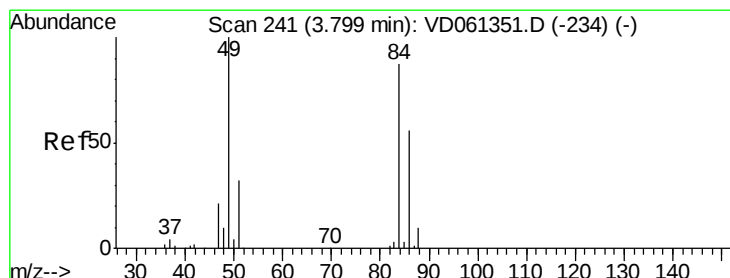
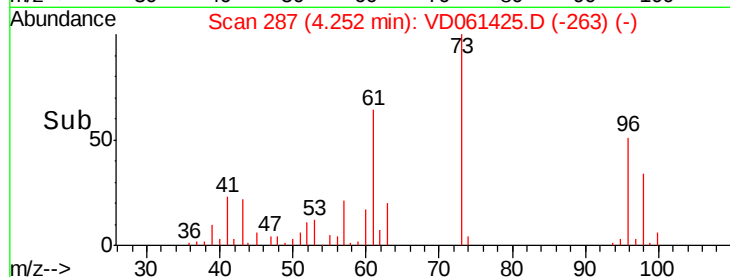
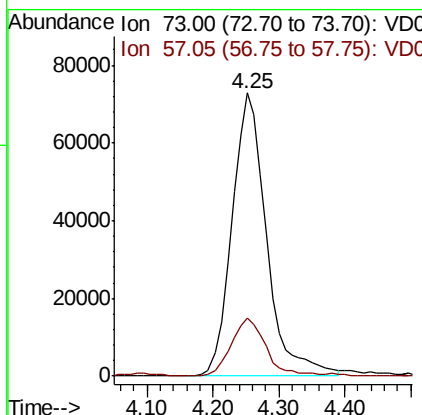
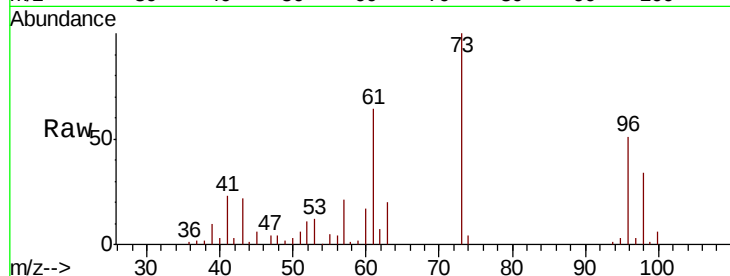


#19

Methyl tert-butyl Ether
 Concen: 19.941 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampled :

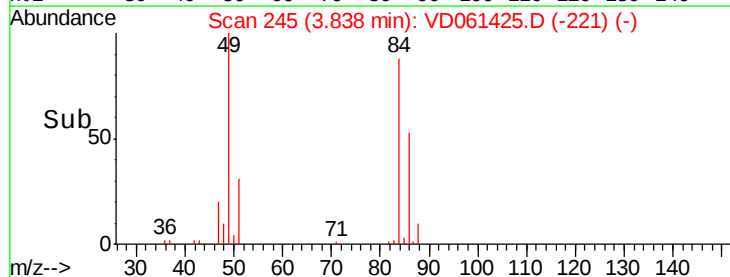
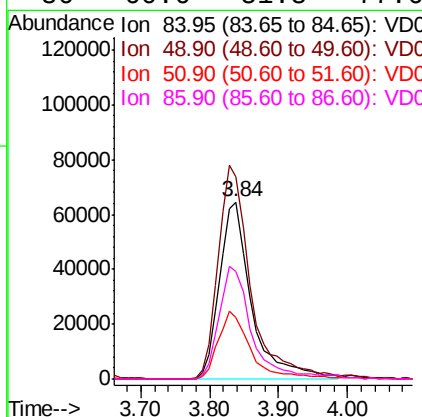
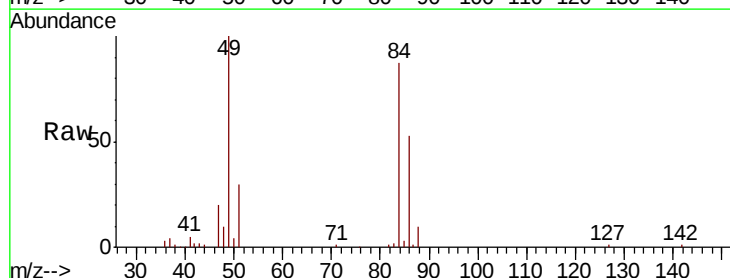
Tot Ion: 73 Resp: 267756
 Ion Ratio Lower Upper
 73 100
 57 20.7 16.4 24.6

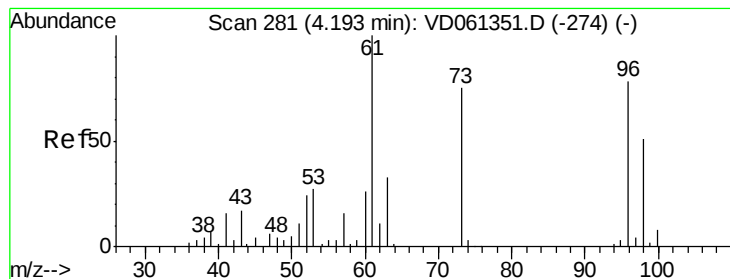


#20

Methylene Chloride
 Concen: 22.454 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 84 Resp: 209021
 Ion Ratio Lower Upper
 84 100
 49 114.4 91.8 137.8
 51 34.8 29.8 44.8
 86 60.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.080 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

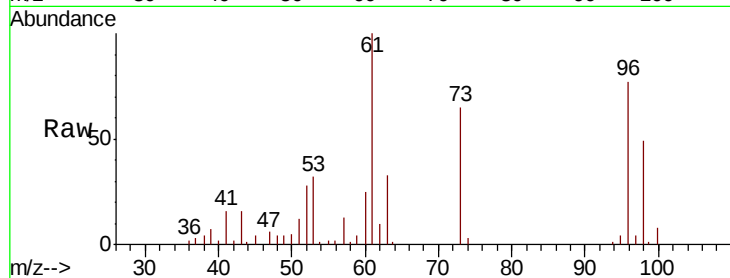
Tot Ion: 96 Resp: 176541

Ion Ratio Lower Upper

96 100

61 130.2 102.7 154.1

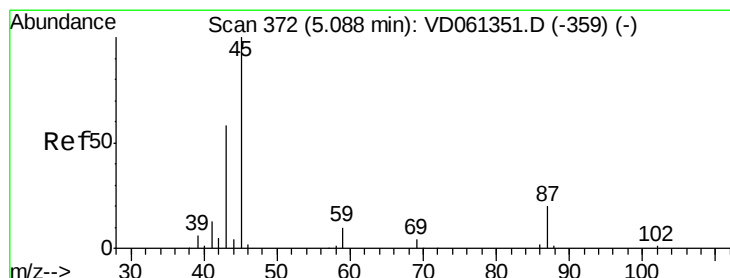
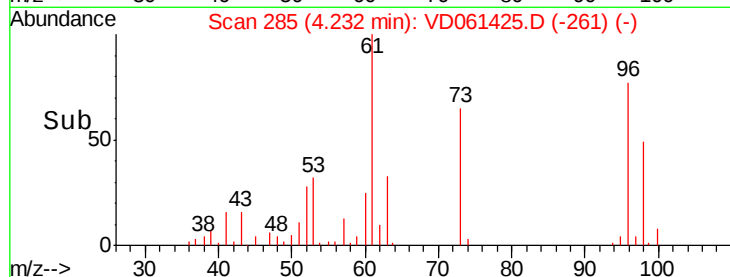
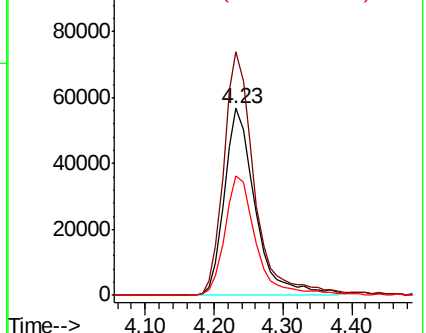
98 63.8 52.2 78.4



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: 21.416 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Tgt Ion: 45 Resp: 490318

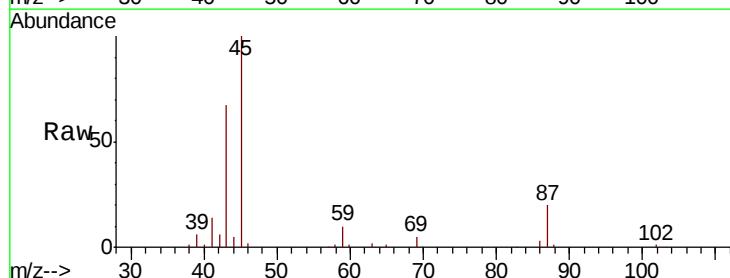
Ion Ratio Lower Upper

45 100

43 67.3 47.4 71.2

87 20.2 16.3 24.5

59 10.0 8.4 12.6

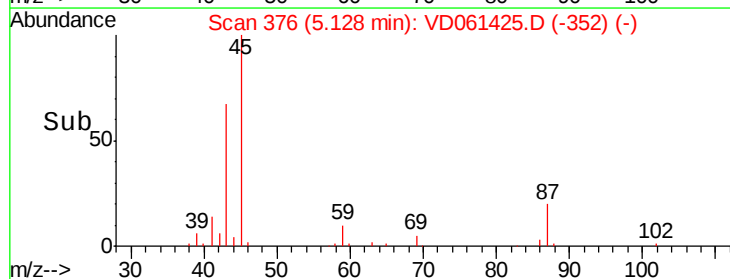
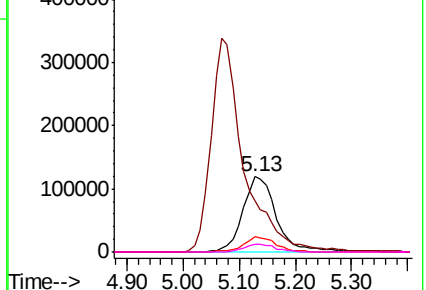


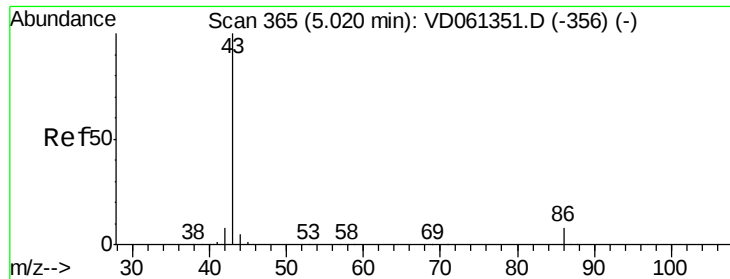
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

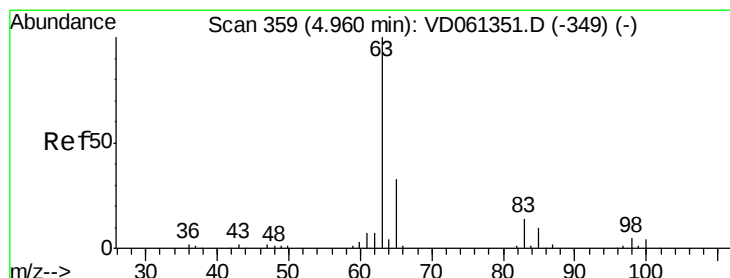
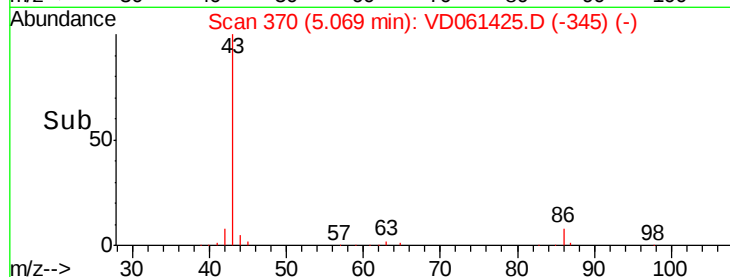
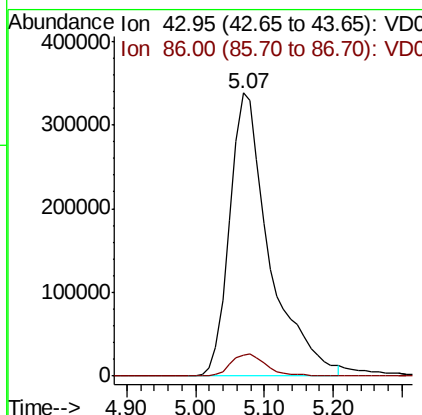
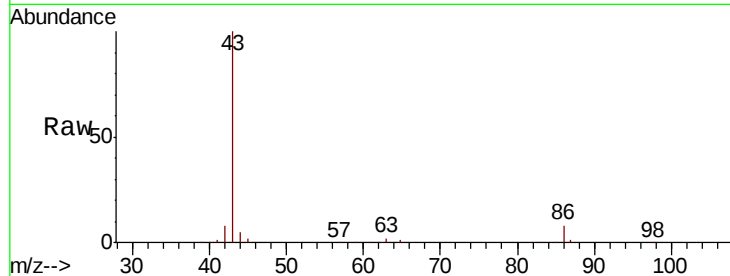




#23
 Vinyl Acetate
 Concen: 108.594 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.05 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

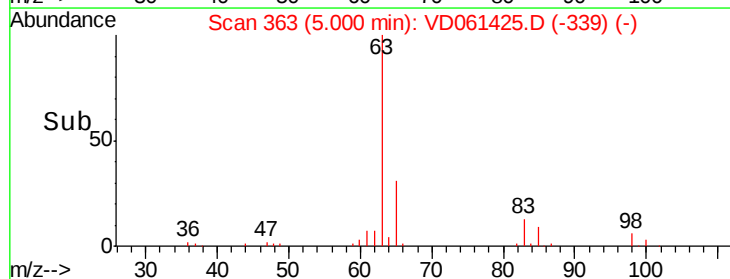
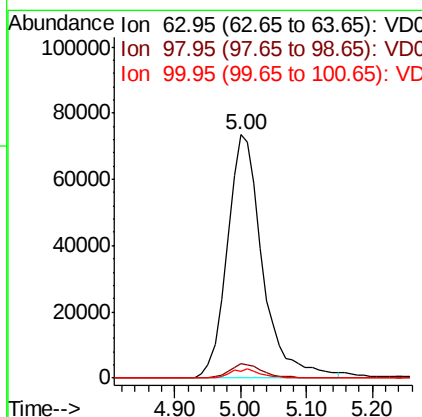
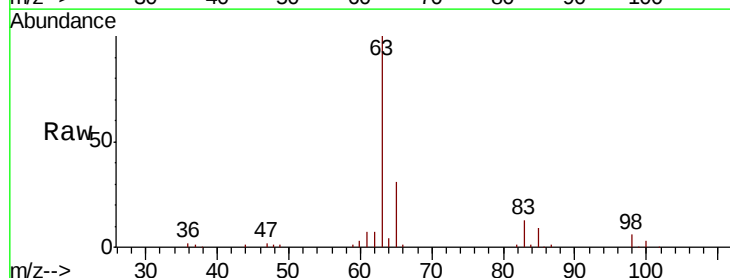
Instrument :
 MSVOA_D
 ClientSampleId :

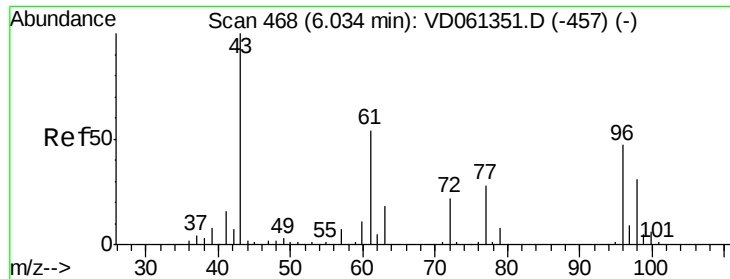
Tot Ion: 43 Resp: 1350507
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 20.456 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 63 Resp: 275234
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.6 8.0
 100 3.1 1.8 5.3





#25

2-Butanone

Concen: 97.401 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.05 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

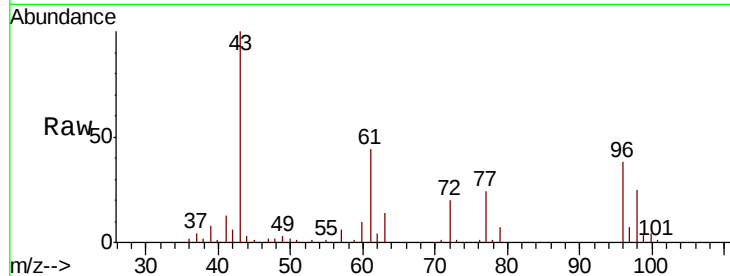
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 194438

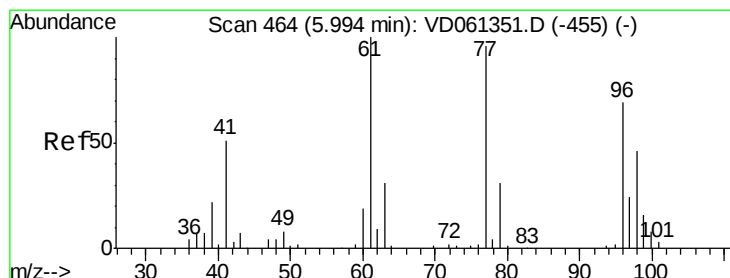
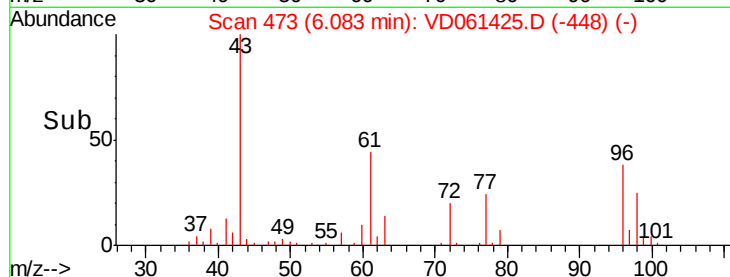
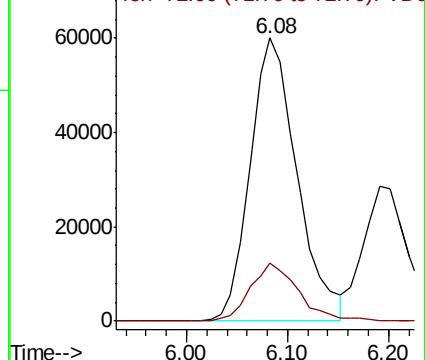
Ion Ratio Lower Upper

43 100

72 20.4 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.835 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.05 min

Lab File: VD061425.D

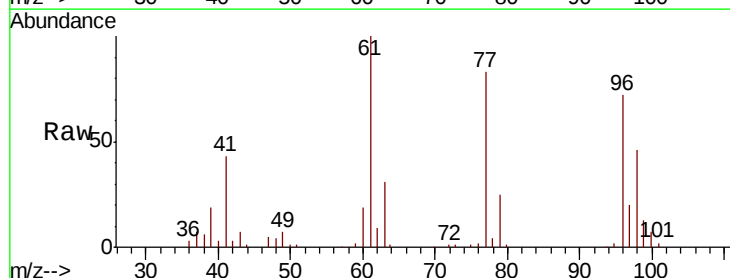
Acq: 29 Mar 2019 13:09

Tgt Ion: 77 Resp: 233545

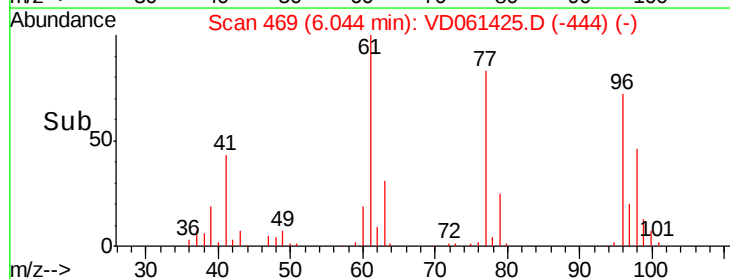
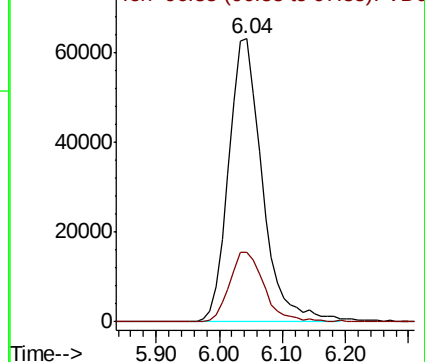
Ion Ratio Lower Upper

77 100

97 24.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



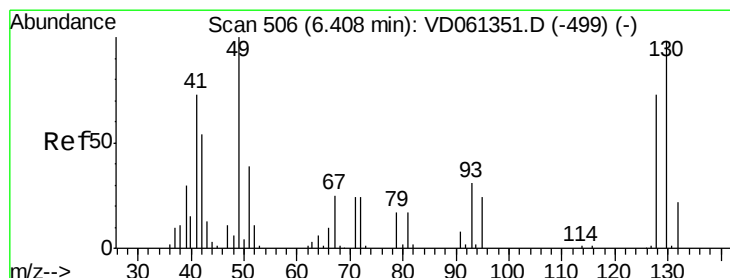
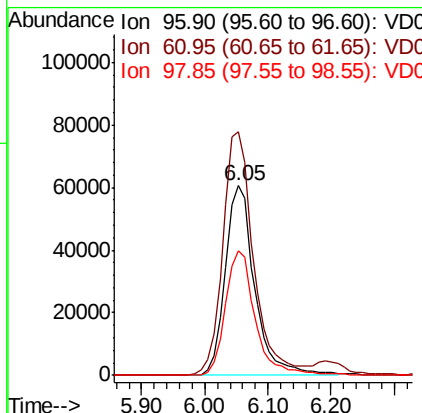
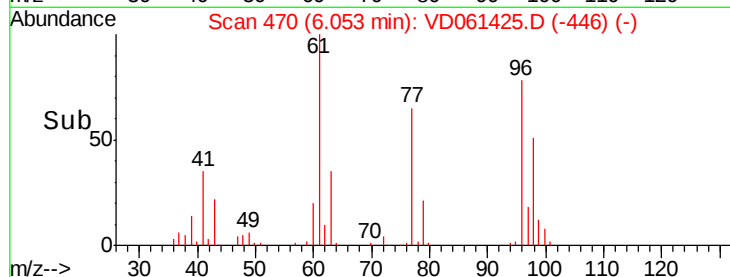
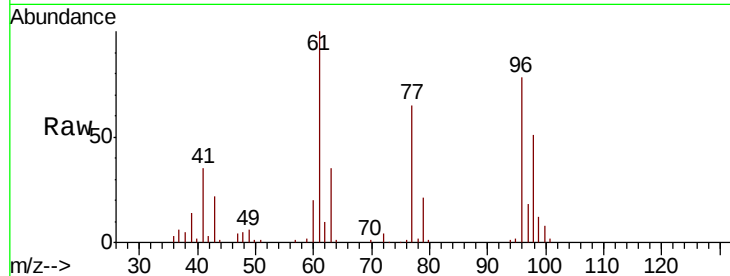


#27

cis-1,2-Dichloroethene
Concen: 21.425 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampled :

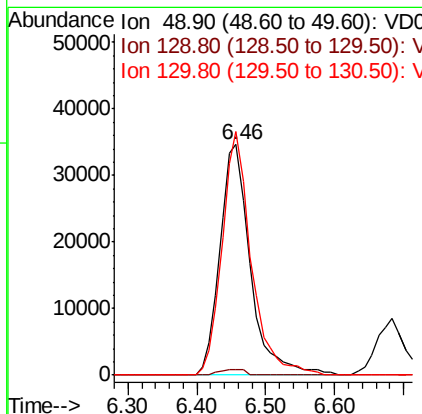
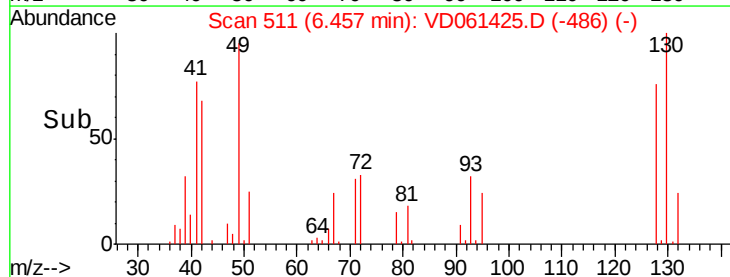
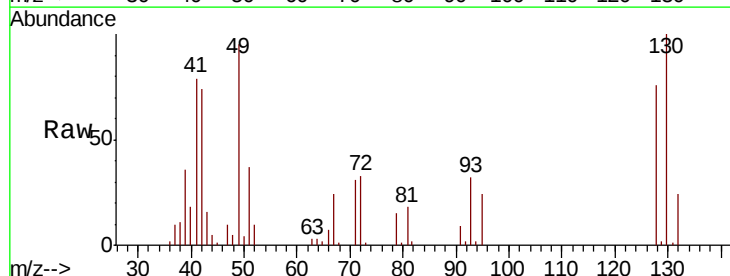
Tot Ion: 96 Resp: 196590
Ion Ratio Lower Upper
96 100
61 128.6 0.0 251.6
98 65.5 0.0 129.2



#28

Bromochloromethane
Concen: 19.605 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.05 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 49 Resp: 106480
Ion Ratio Lower Upper
49 100
129 2.6 0.0 0.0#
130 105.5 78.4 117.6





#29

Tetrahydrofuran

Concen: 110.889 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.06 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

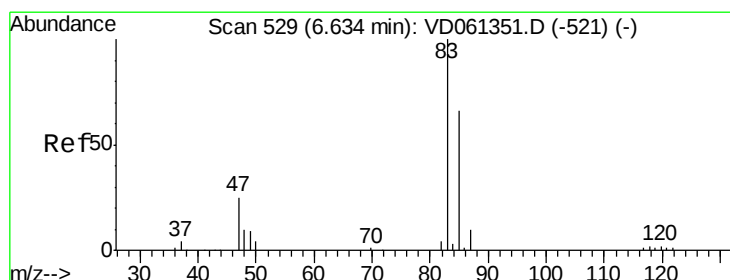
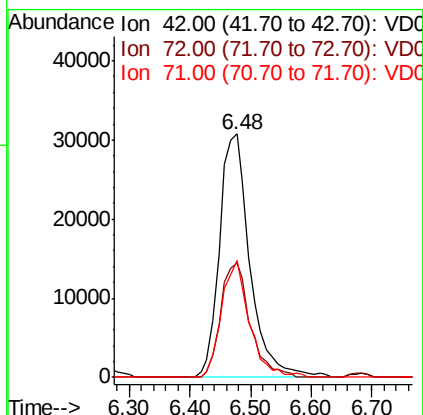
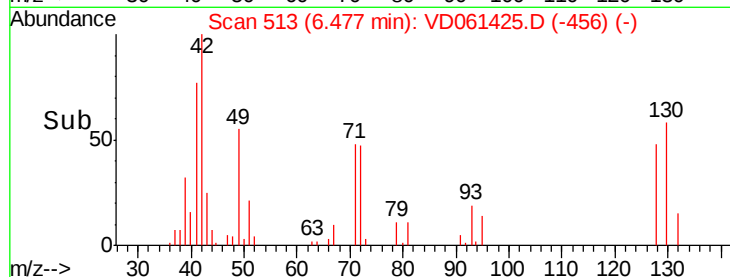
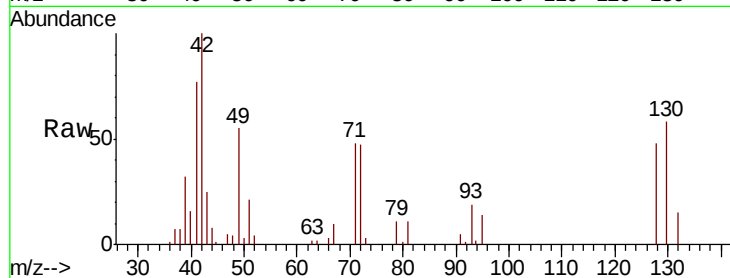
Tot Ion: 42 Resp: 107293

Ion Ratio Lower Upper

42 100

72 45.6 37.4 56.0

71 44.0 36.7 55.1



#30

Chloroform

Concen: 21.295 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.05 min

Lab File: VD061425.D

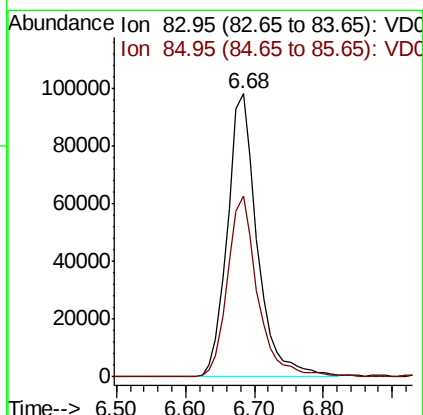
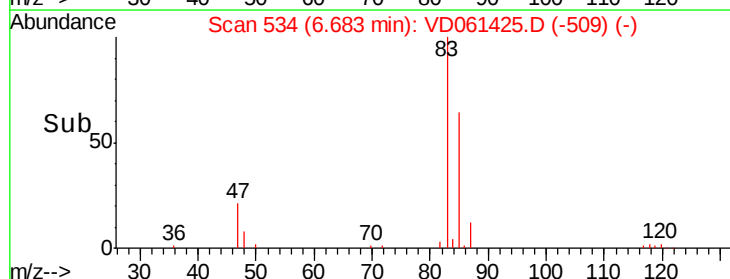
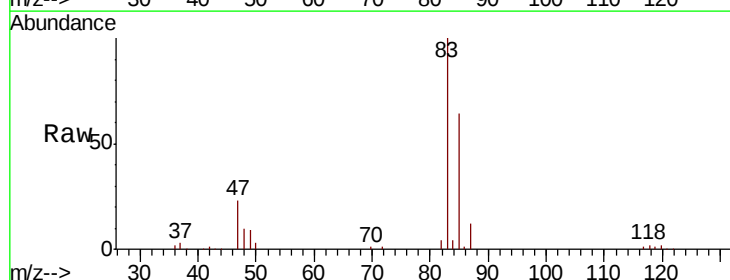
Acq: 29 Mar 2019 13:09

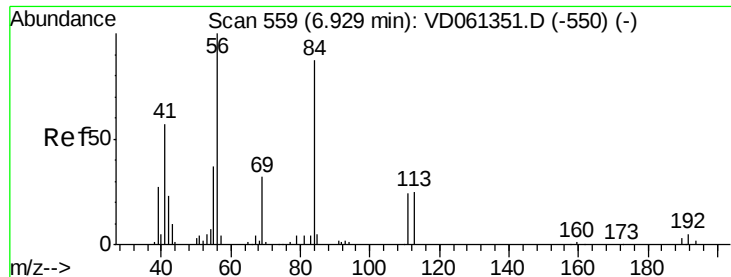
Tgt Ion: 83 Resp: 296065

Ion Ratio Lower Upper

83 100

85 63.8 53.0 79.4

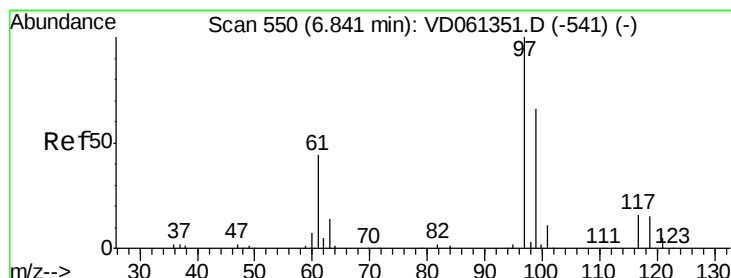
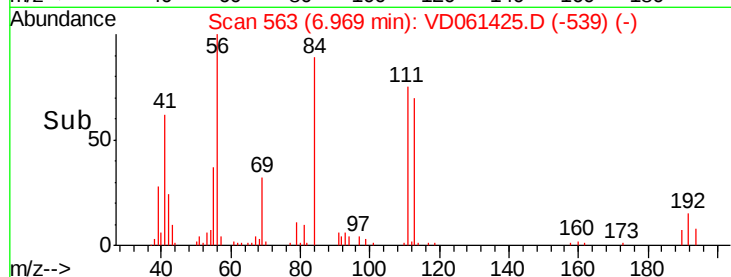
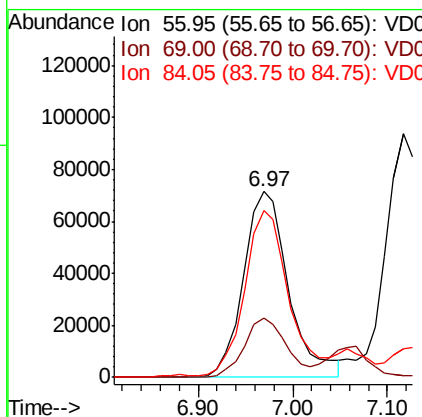
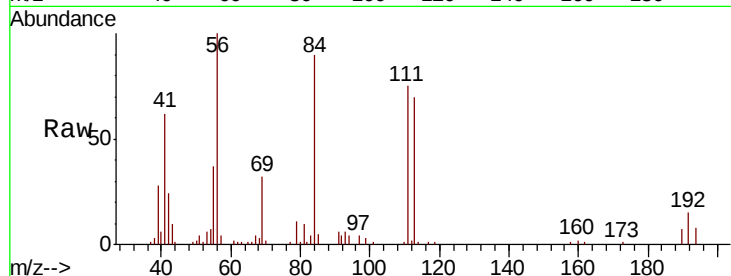




#31
Cyclohexane
Concen: 22.257 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

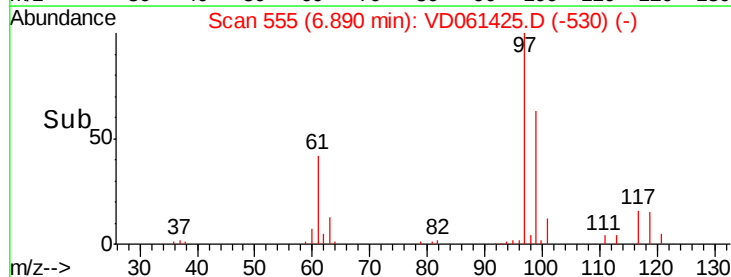
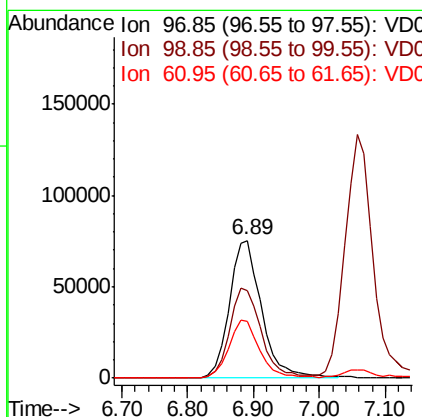
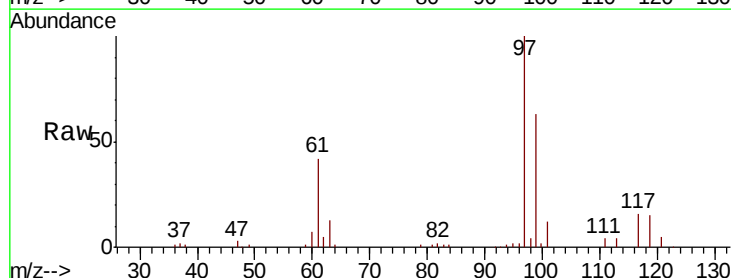
Instrument :
MSVOA_D
ClientSampleId :

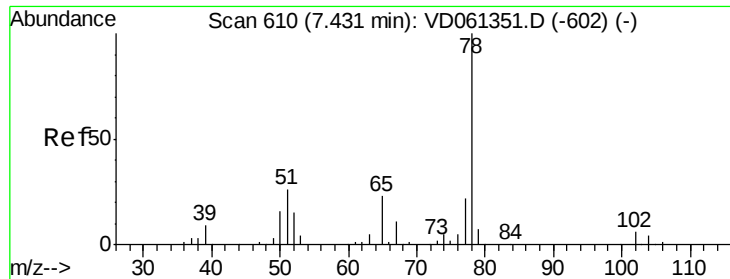
Tot Ion: 56 Resp: 236653
Ion Ratio Lower Upper
56 100
69 32.2 25.7 38.5
84 89.8 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 21.004 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.05 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 97 Resp: 257625
Ion Ratio Lower Upper
97 100
99 63.4 53.1 79.7
61 41.7 35.5 53.3

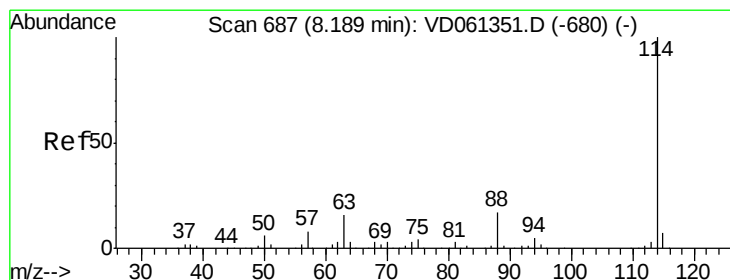
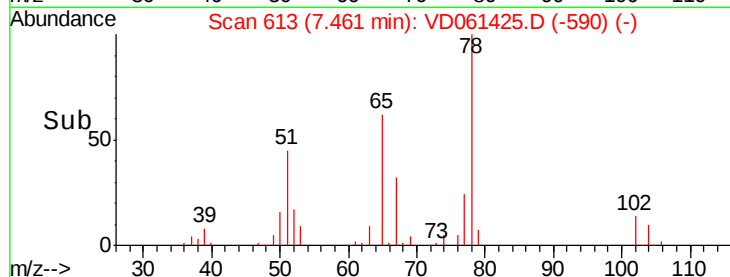
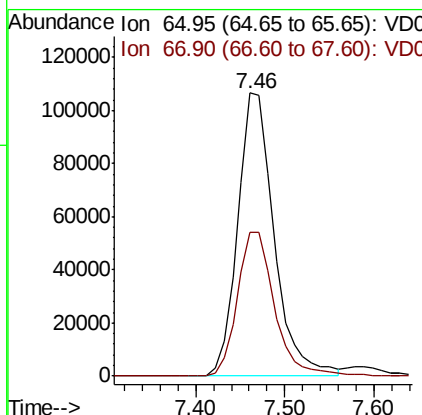
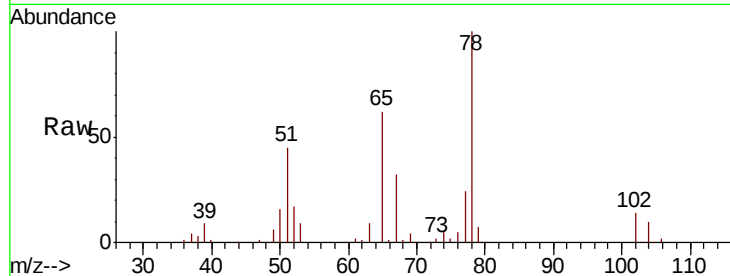




#33
 1,2-Dichloroethane-d4
 Concen: 21.004 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

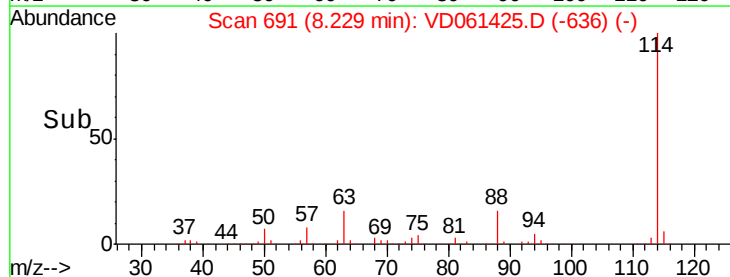
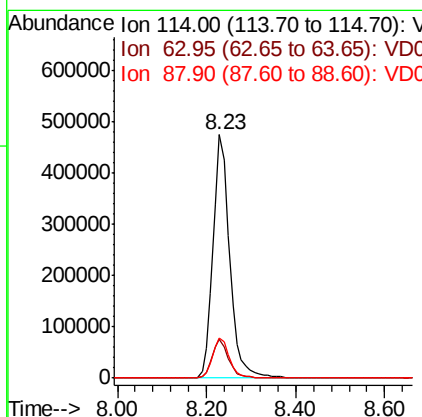
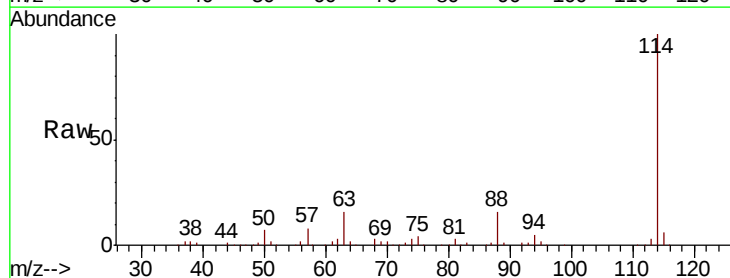
Instrument :
 MSVOA_D
 ClientSampled :

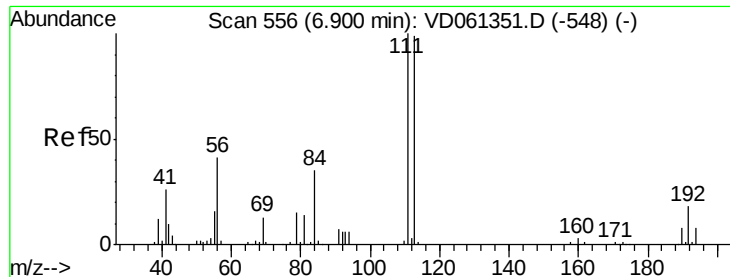
Tot Ion: 65 Resp: 302404
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 114 Resp: 1233422
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.6
 88 16.4 0.0 33.4

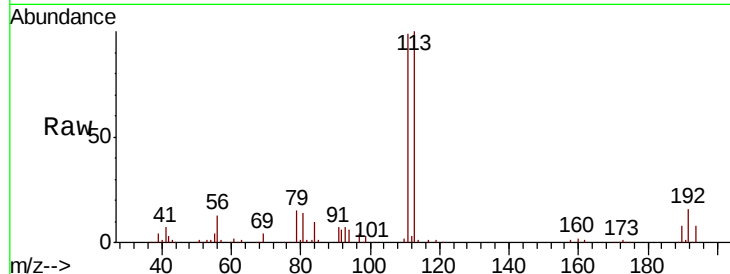




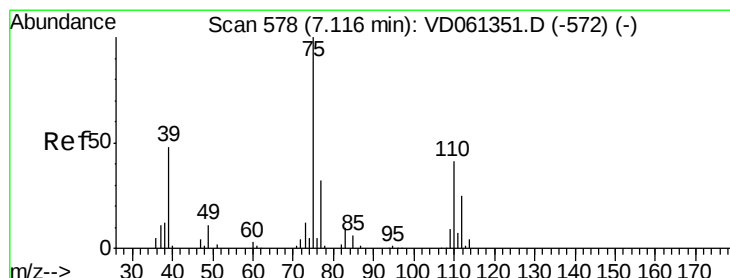
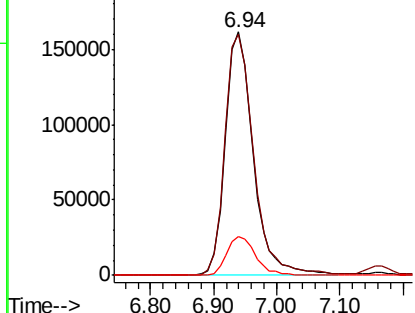
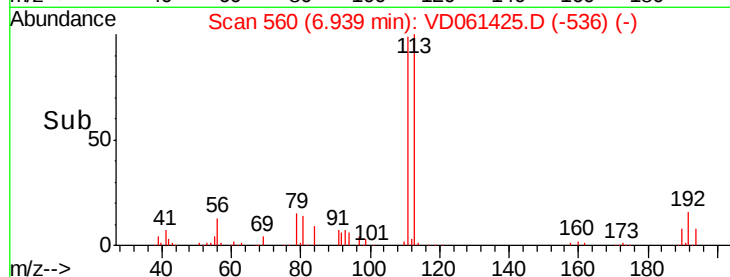
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 495841
 Ion Ratio Lower Upper
 113 100
 111 99.2 81.0 121.6
 192 16.0 14.4 21.6

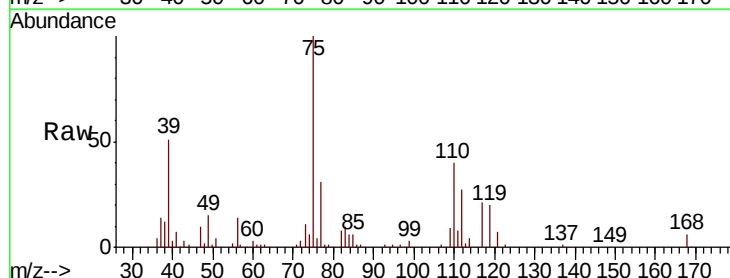


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

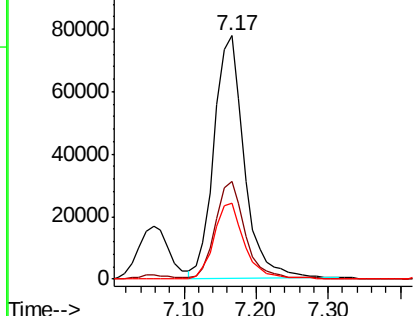
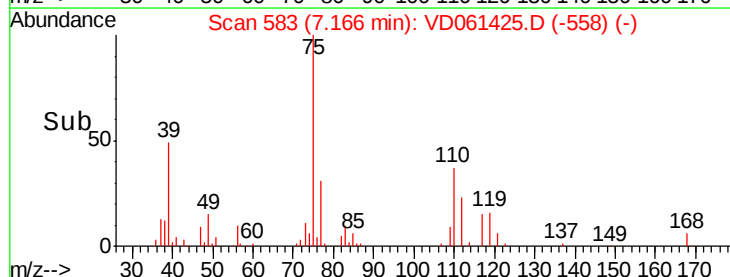


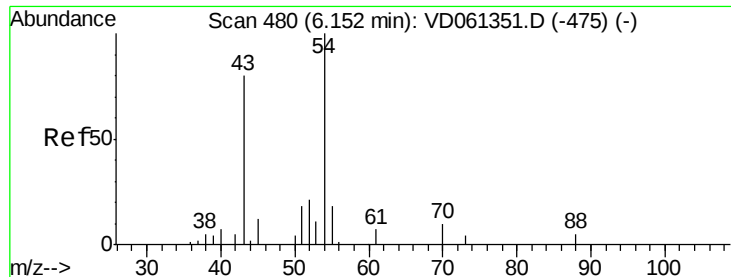
#36
 1,1-Dichloropropene
 Concen: 20.824 ug/l
 RT: 7.17 min Scan# 583
 Delta R.T. 0.05 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 75 Resp: 224170
 Ion Ratio Lower Upper
 75 100
 110 40.3 20.4 61.3
 77 31.3 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

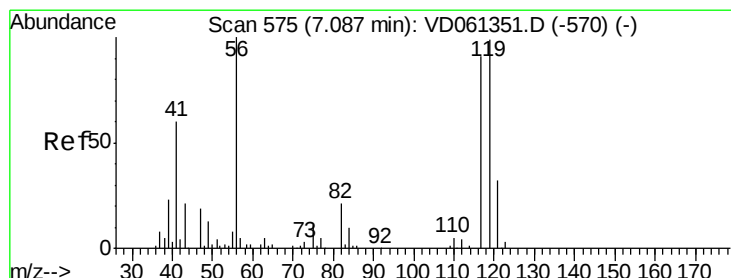
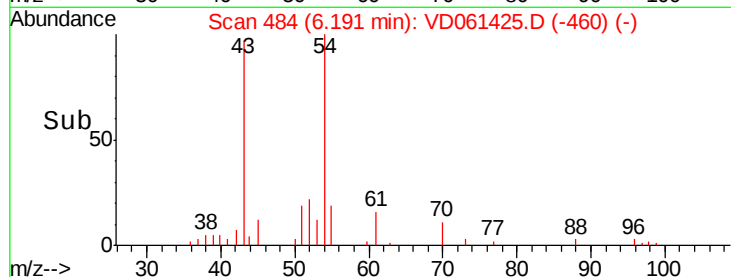
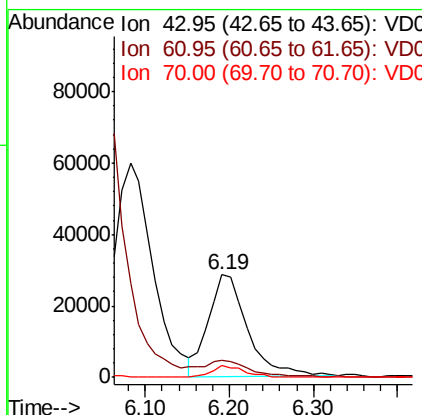
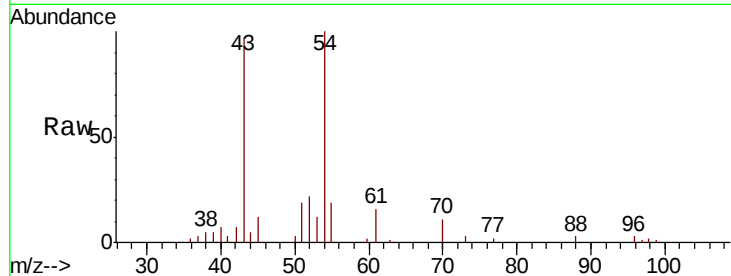




#37
Ethyl Acetate
Concen: 19.785 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

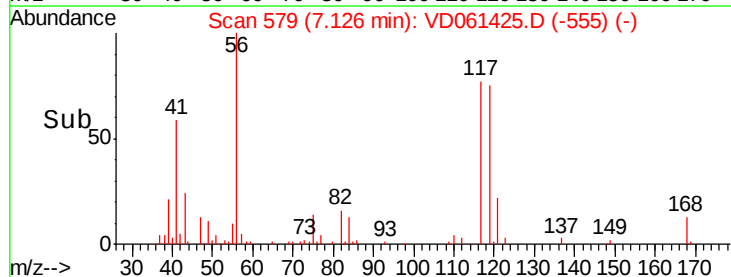
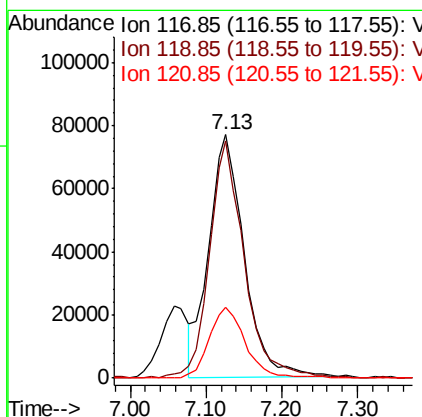
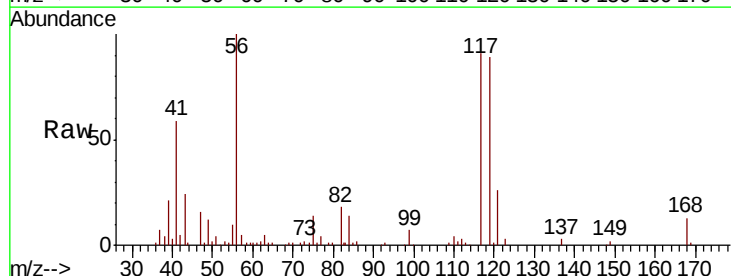
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 91089
Ion Ratio Lower Upper
43 100
61 16.1 13.8 20.8
70 11.8 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 20.238 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 117 Resp: 250345
Ion Ratio Lower Upper
117 100
119 97.6 80.1 120.1
121 28.8 25.6 38.4





#39

Methvlcvclohexane

Concen: 21.360 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

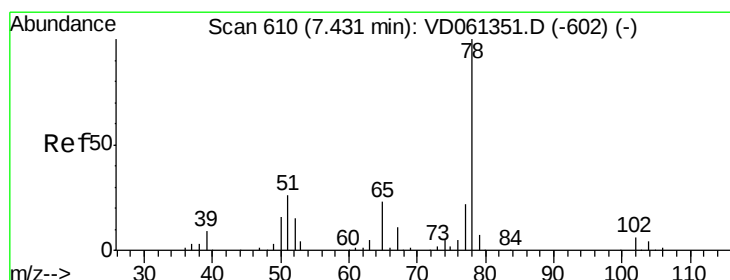
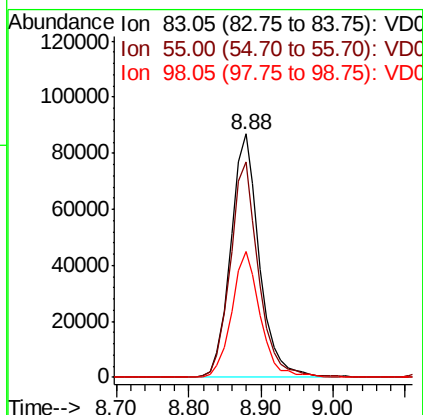
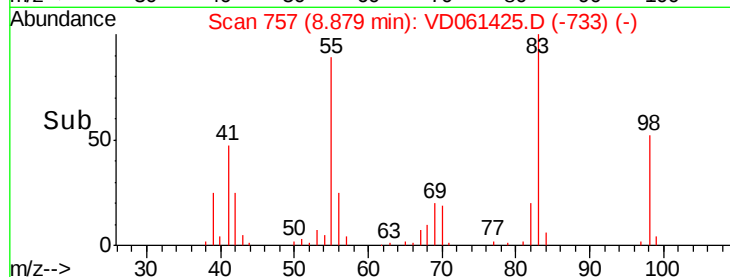
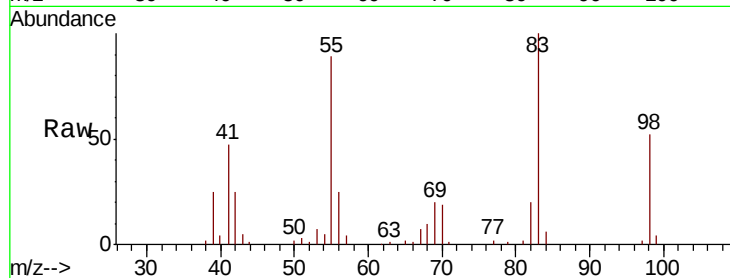
Tot Ion: 83 Resp: 239477

Ion Ratio Lower Upper

83 100

55 88.8 71.5 107.3

98 51.9 40.3 60.5



#40

Benzene

Concen: 20.193 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061425.D

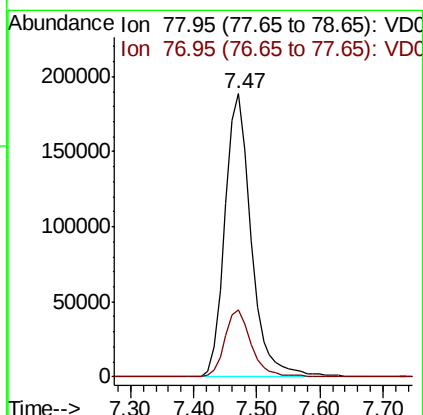
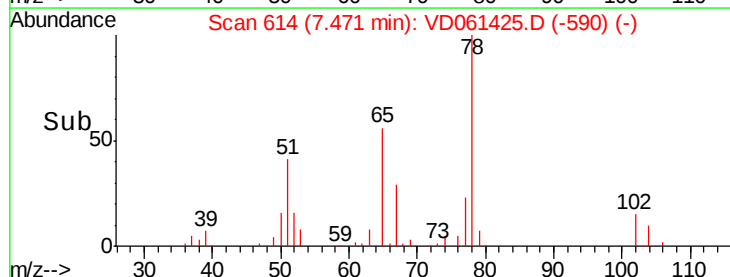
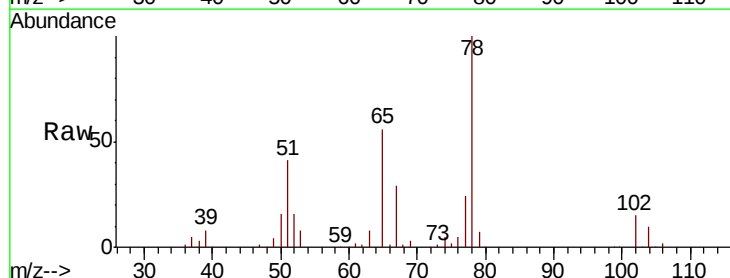
Acq: 29 Mar 2019 13:09

Tgt Ion: 78 Resp: 545555

Ion Ratio Lower Upper

78 100

77 23.6 17.8 26.6

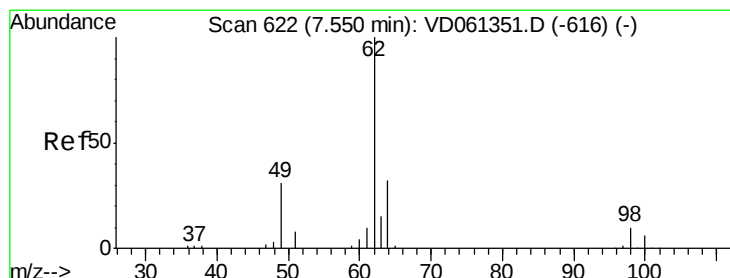
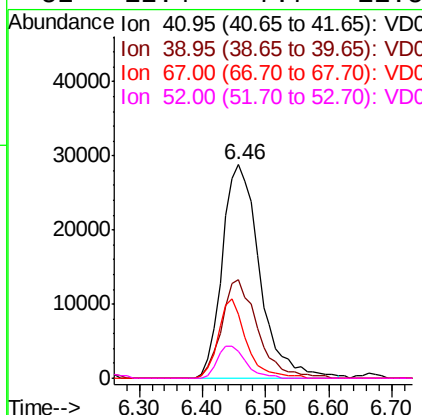
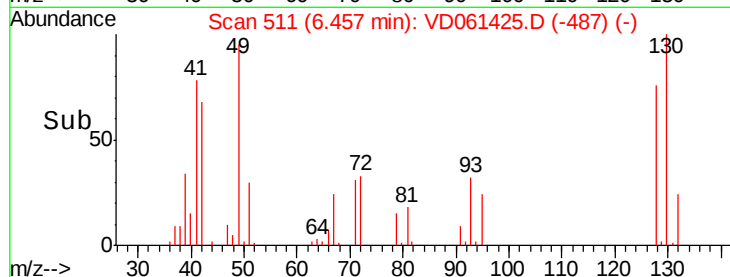
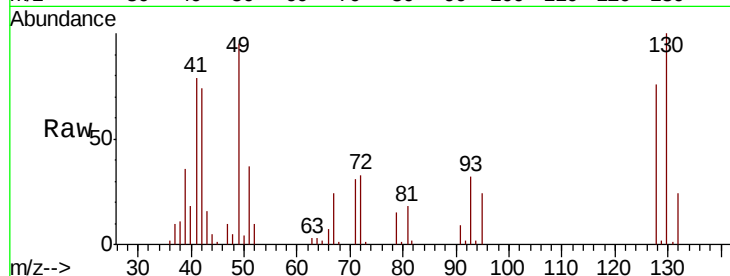




#41
Methacrylonitrile
Concen: 21.989 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

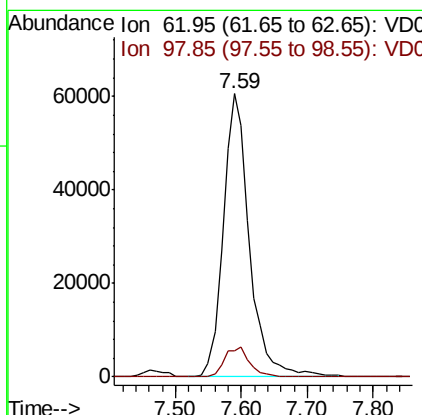
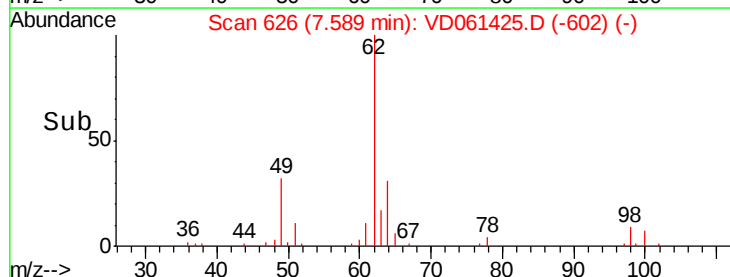
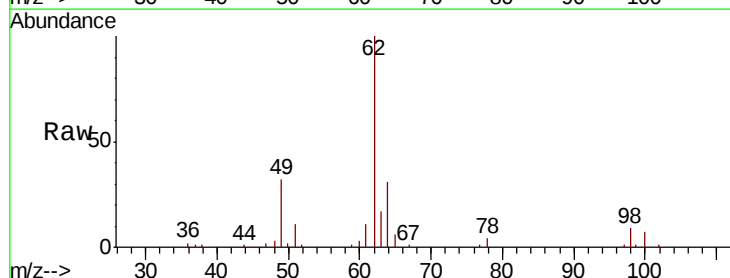
Instrument :
MSVOA_D
ClientSampled :

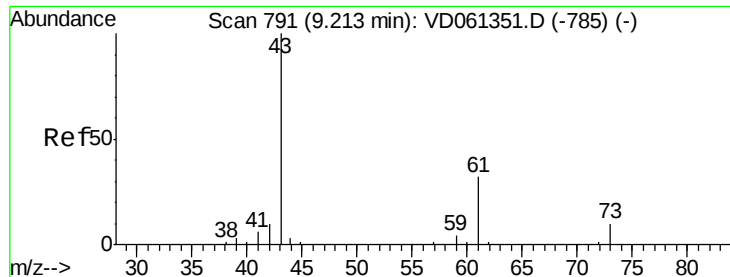
Tot Ion: 41 Resp: 118367
Ion Ratio Lower Upper
41 100
39 46.1 35.0 52.6
67 30.1 21.0 31.6
52 12.4 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 20.703 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 62 Resp: 167313
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.8



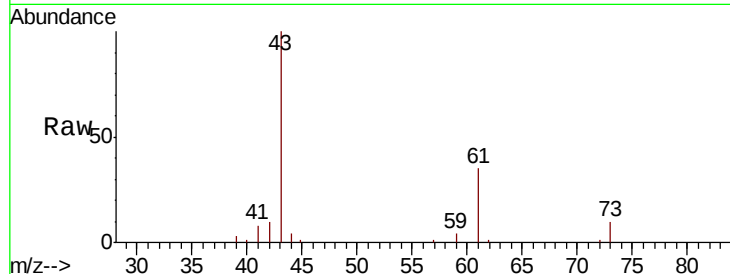


#43

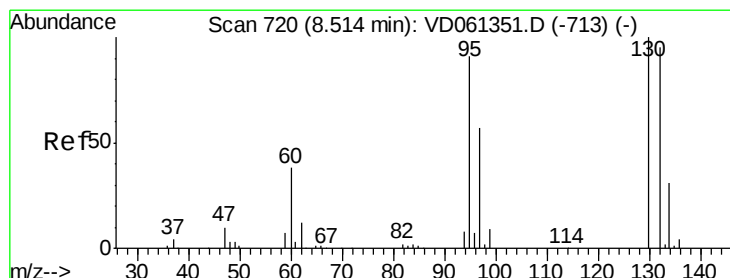
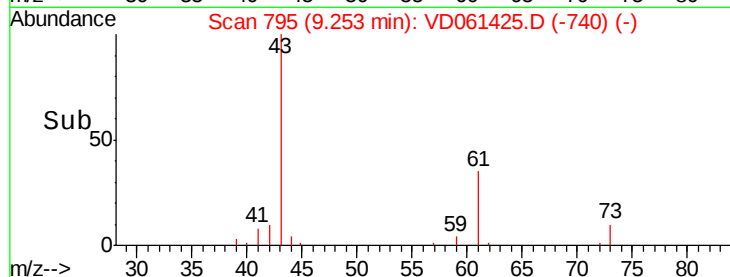
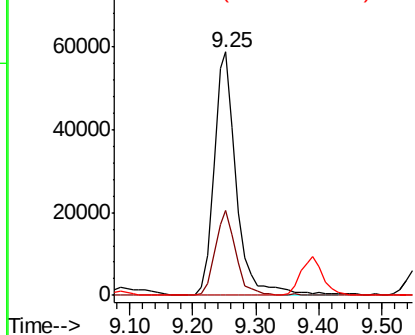
Isopropyl Acetate
 Concen: 21.751 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 145705
 Ion Ratio Lower Upper
 43 100
 61 34.9 25.8 38.6
 87 0.0 0.0 0.0



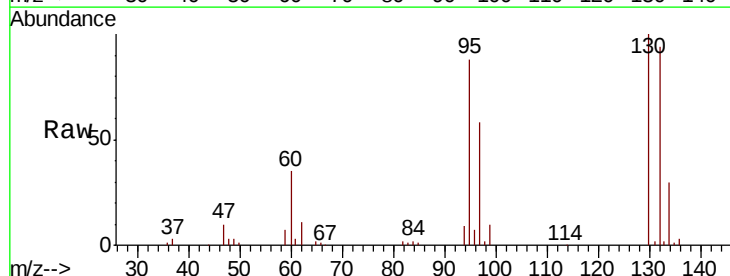
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



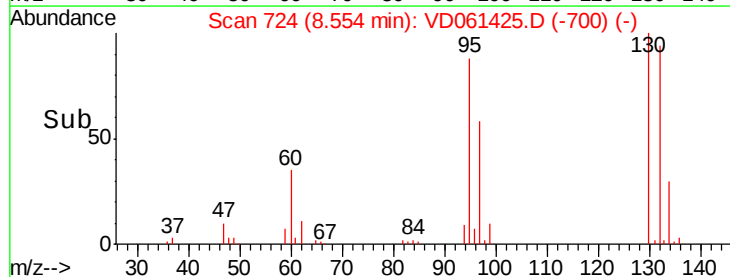
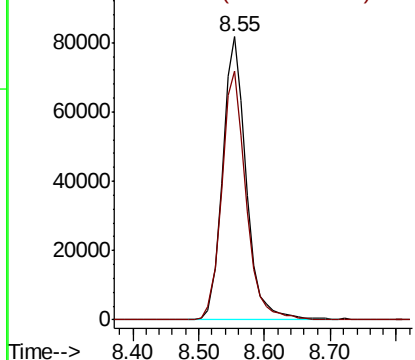
#44

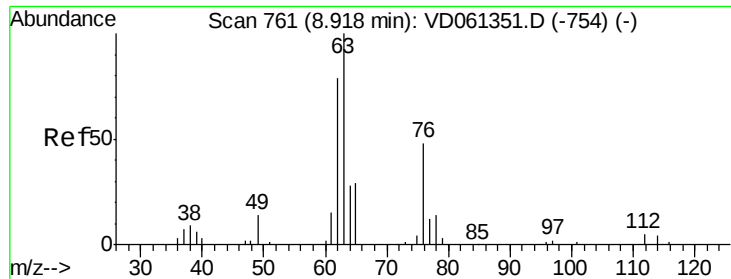
Trichloroethene
 Concen: 20.333 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion:130 Resp: 204438
 Ion Ratio Lower Upper
 130 100
 95 87.9 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 20.517 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

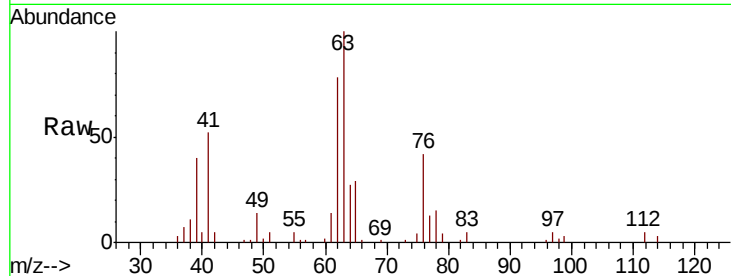
ClientSampled :

Tot Ion: 63 Resp: 140556

Ion Ratio Lower Upper

63 100

65 28.7 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

60000

50000

40000

30000

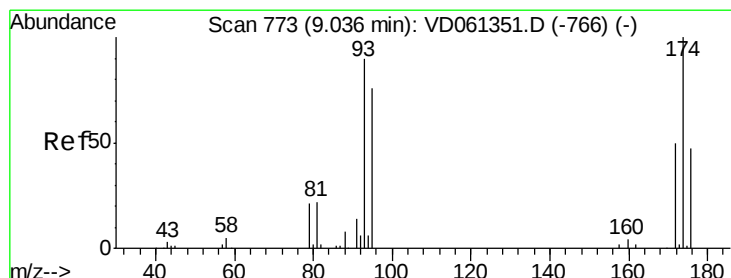
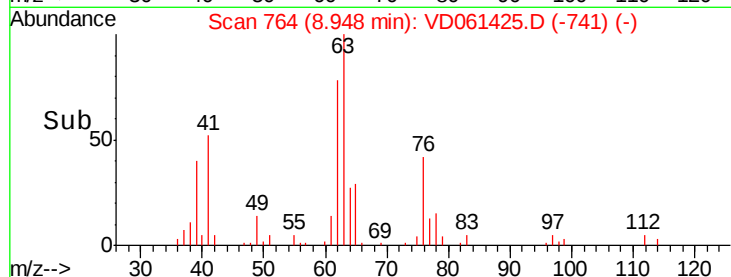
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 20.378 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

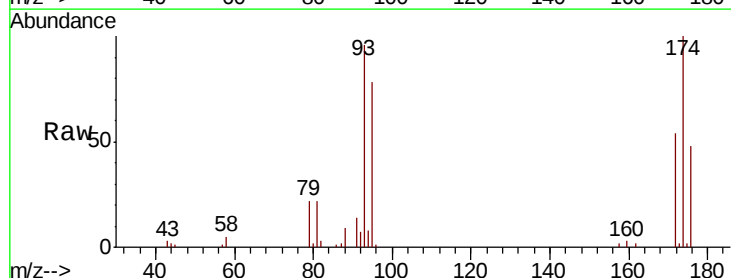
Tgt Ion: 93 Resp: 93963

Ion Ratio Lower Upper

93 100

95 81.3 67.4 101.0

174 103.8 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

50000

40000

30000

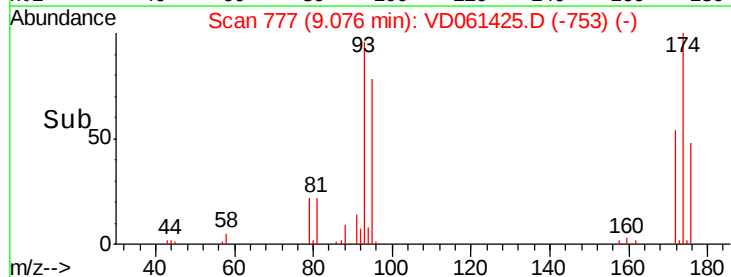
20000

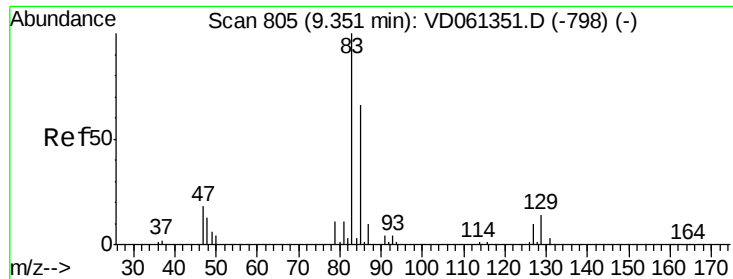
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 21.644 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

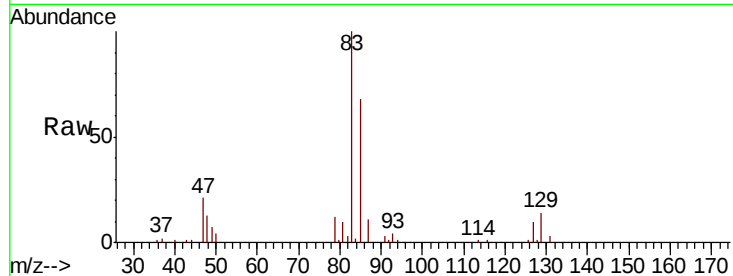
Tot Ion: 83 Resp: 224002

Ion Ratio Lower Upper

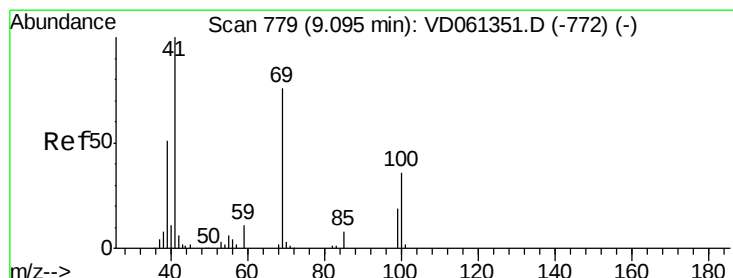
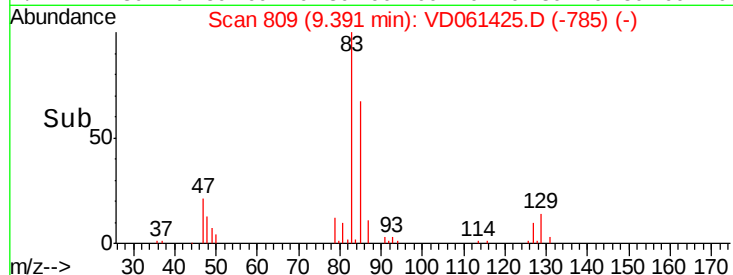
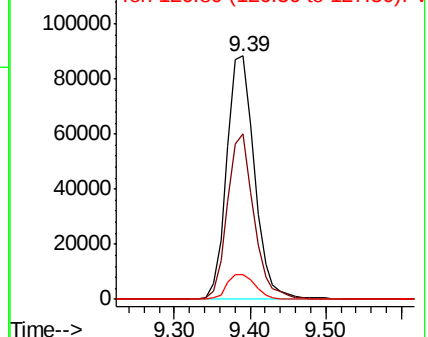
83 100

85 68.1 53.0 79.4

127 10.1 8.4 12.6



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): VDC



#48

Methyl methacrylate

Concen: 20.598 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

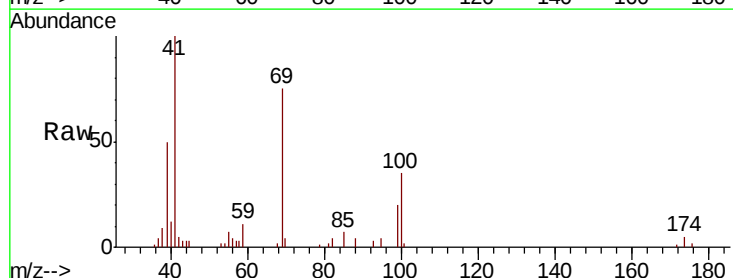
Tgt Ion: 41 Resp: 76150

Ion Ratio Lower Upper

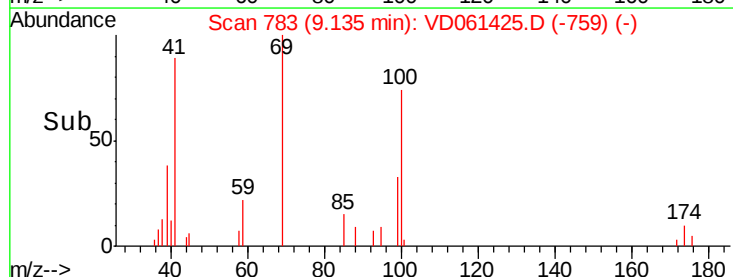
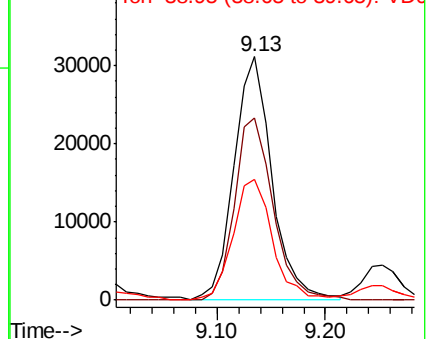
41 100

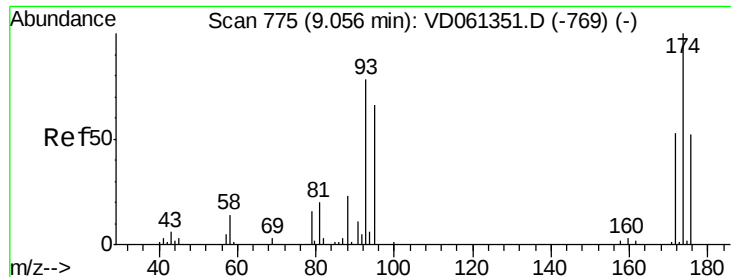
69 75.0 60.2 90.4

39 49.6 41.4 62.2



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: 448.372 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

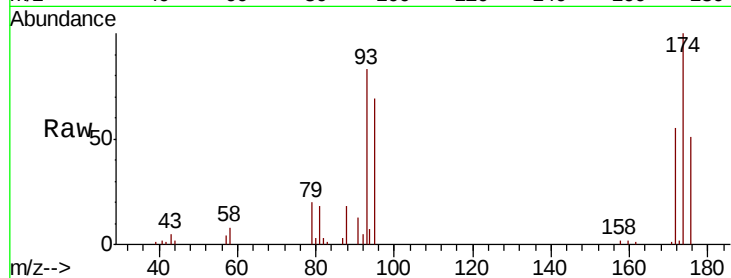
Tot Ion: 88 Resp: 18283

Ion Ratio Lower Upper

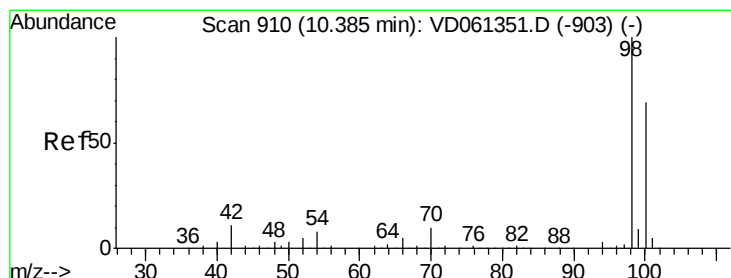
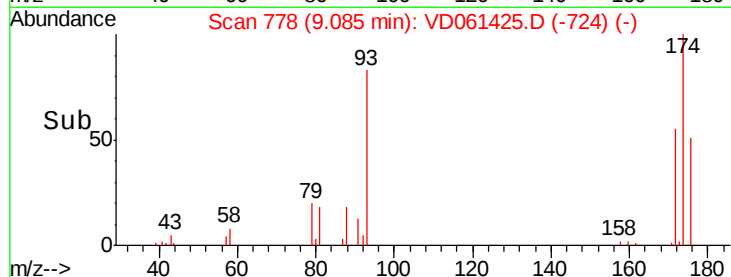
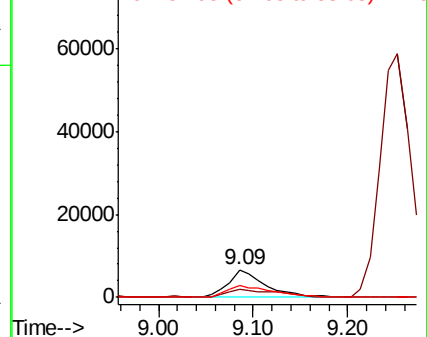
88 100

43 29.3 23.3 34.9

58 42.2 50.8 76.2#



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: 448.372 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.04 min

Lab File: VD061425.D

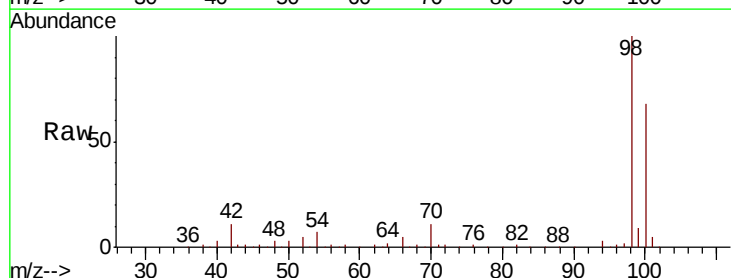
Acq: 29 Mar 2019 13:09

Tgt Ion: 98 Resp: 1116360

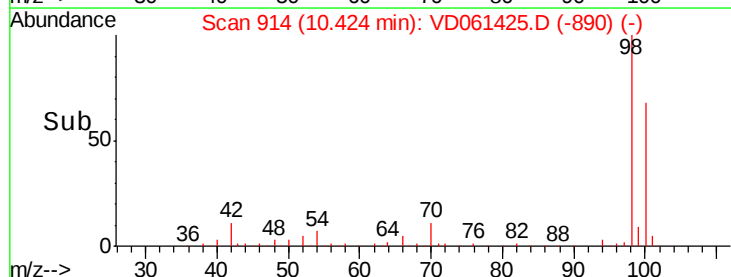
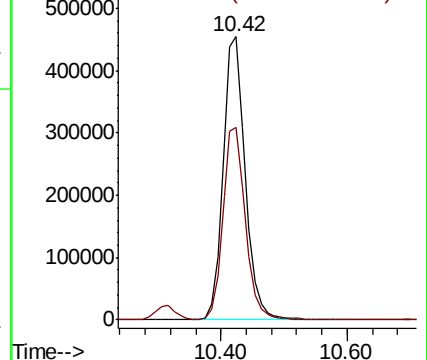
Ion Ratio Lower Upper

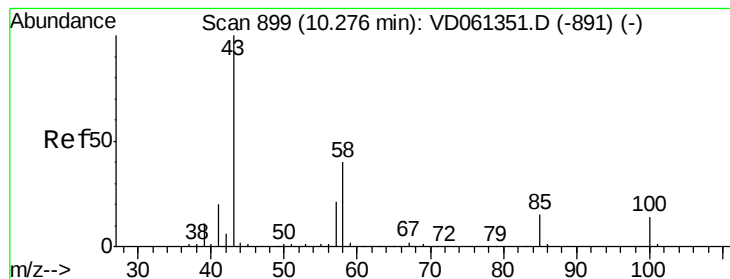
98 100

100 68.2 56.2 84.2



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: 102.047 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

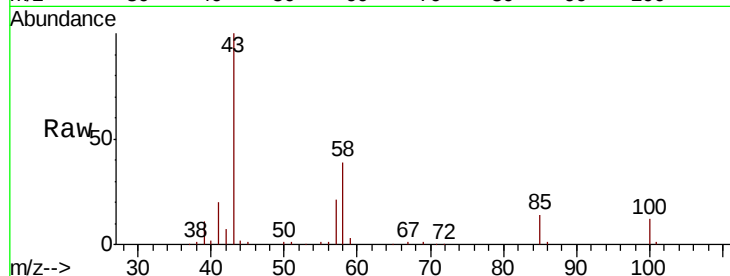
ClientSampleId :

Tot Ion: 43 Resp: 415883

Ion Ratio Lower Upper

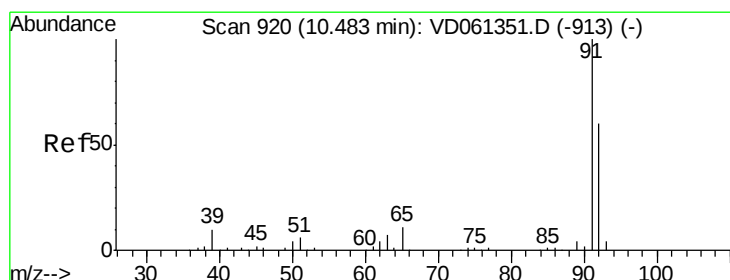
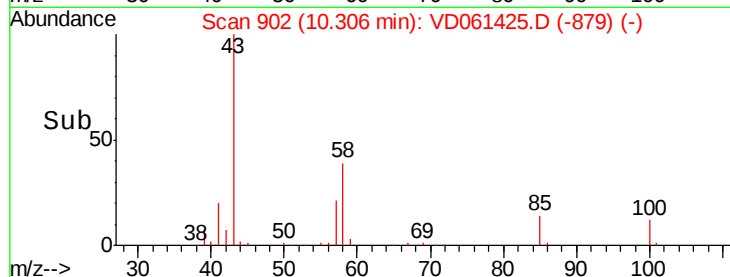
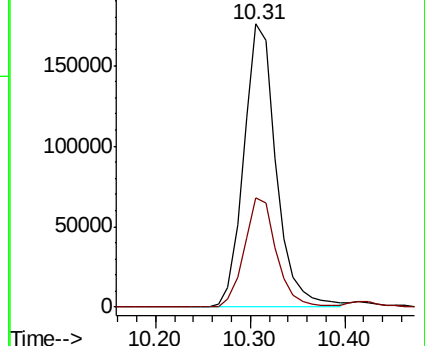
43 100

58 38.8 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.652 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061425.D

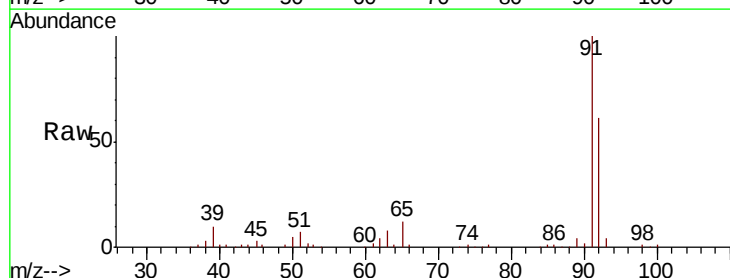
Acq: 29 Mar 2019 13:09

Tgt Ion: 92 Resp: 340389

Ion Ratio Lower Upper

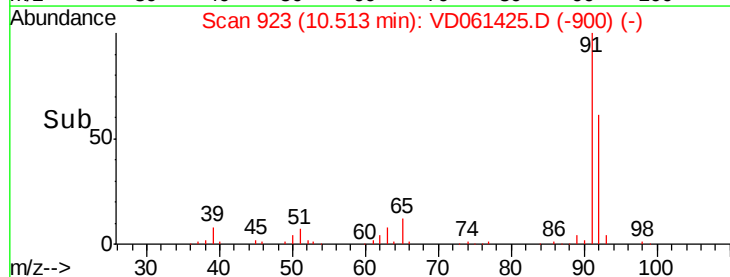
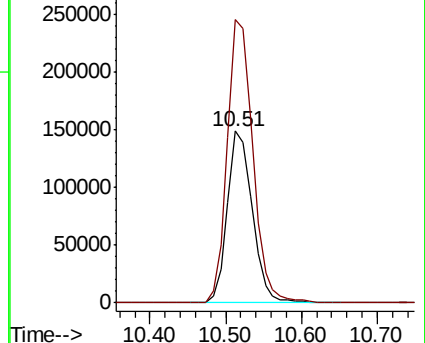
92 100

91 165.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

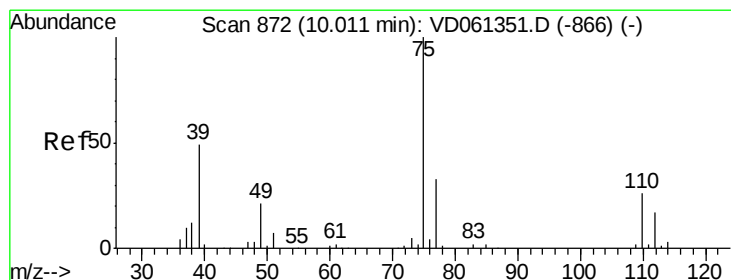
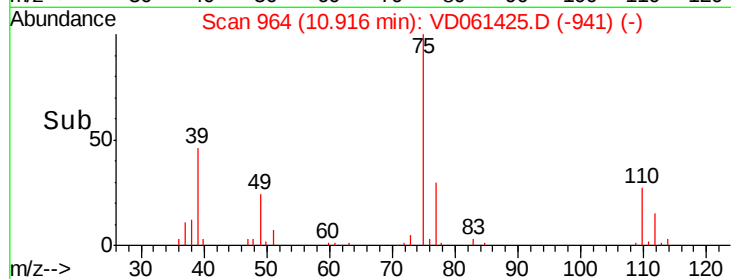
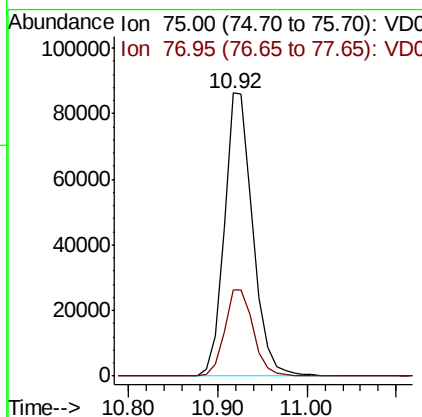
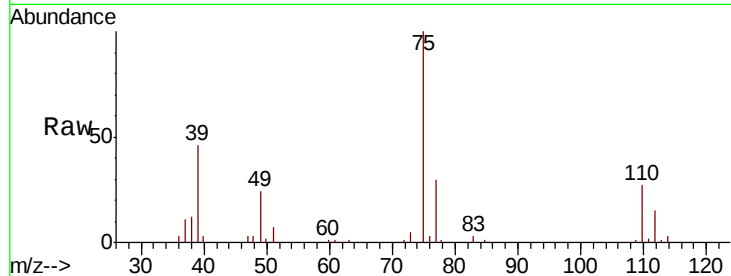




#53
t-1,3-Dichloropropene
Concen: 20.549 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.03 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

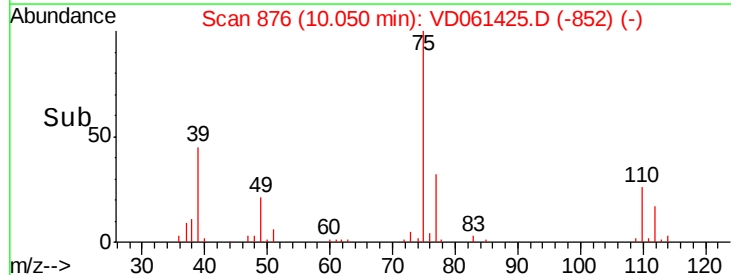
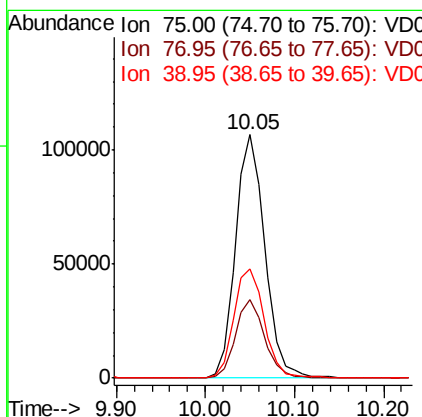
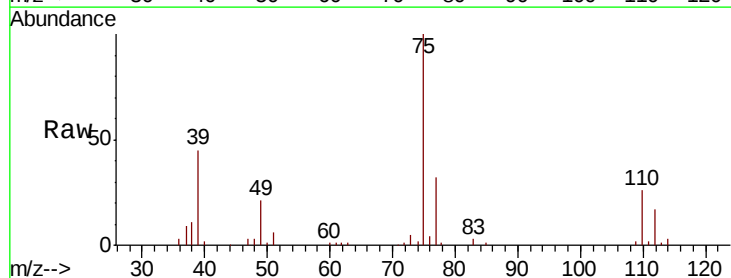
Instrument :
MSVOA_D
ClientSampleId :

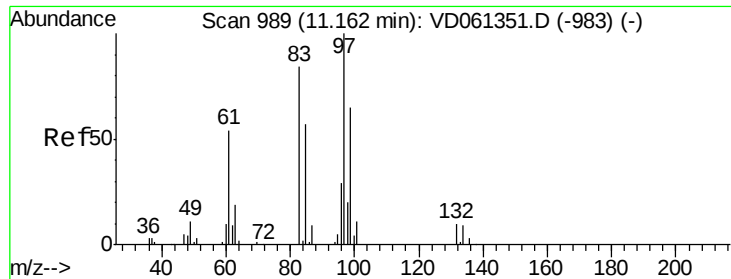
Tot Ion: 75 Resp: 193218
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 21.396 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 75 Resp: 244969
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.4
39 45.0 39.4 59.0

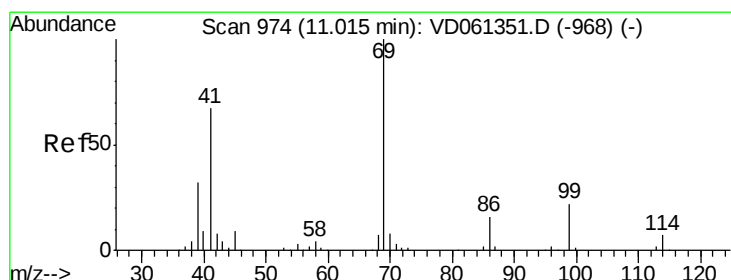
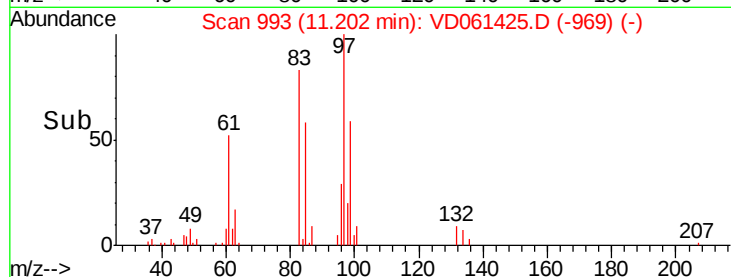
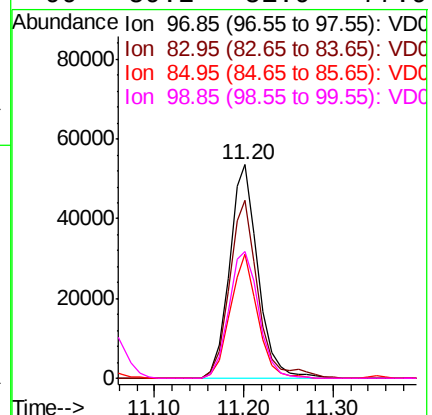
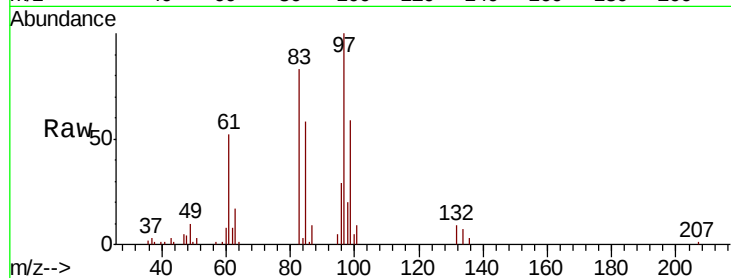




#55
 1,1,2-Trichloroethane
 Concen: 20.901 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

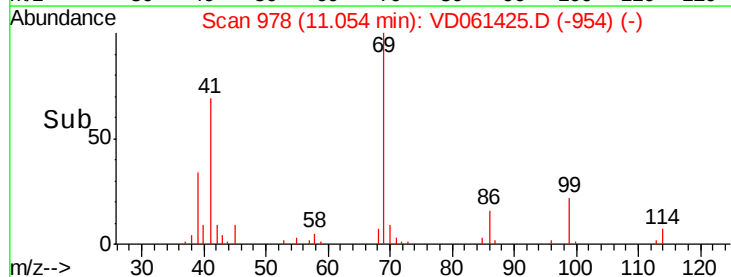
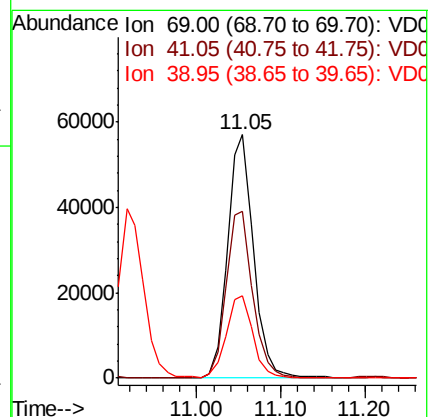
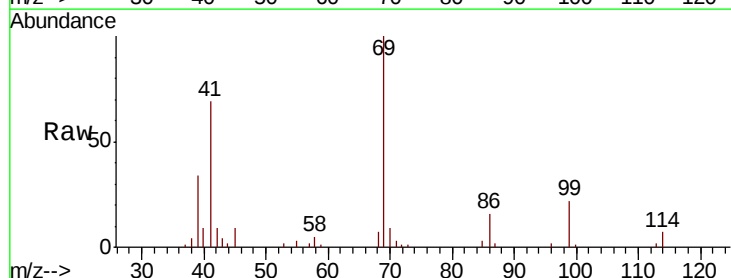
Instrument :
 MSVOA_D
 ClientSampleId :

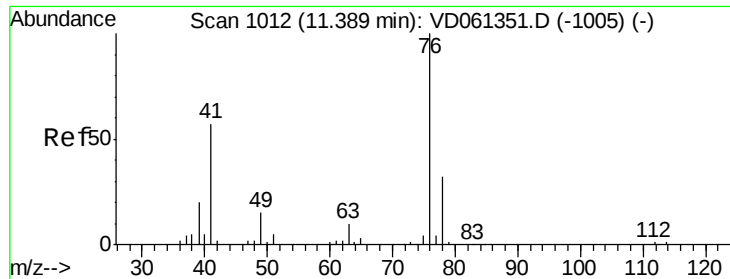
Tot Ion:	97	Resp:	120479
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.0	100.6
85	58.1	45.4	68.2
99	59.2	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 19.610 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion:	69	Resp:	121435
Ion	Ratio	Lower	Upper
69	100		
41	68.7	53.8	80.6
39	33.9	26.4	39.6

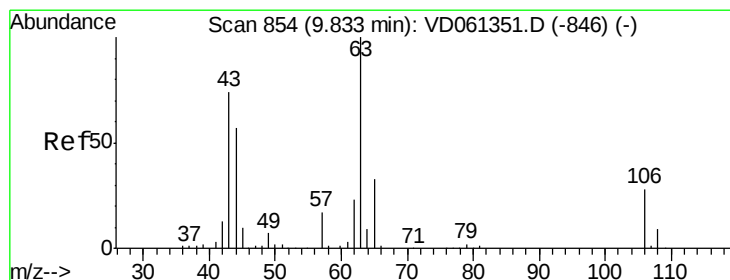
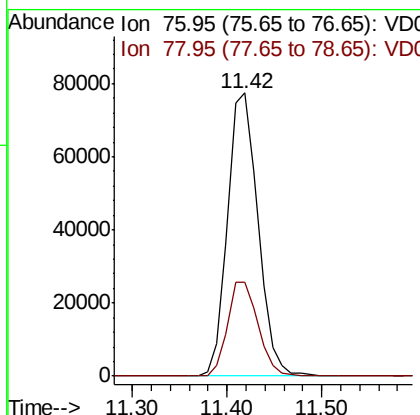
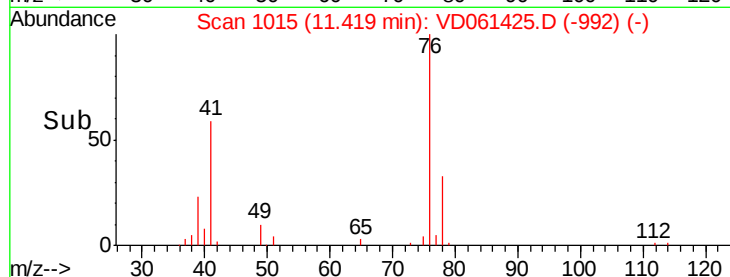
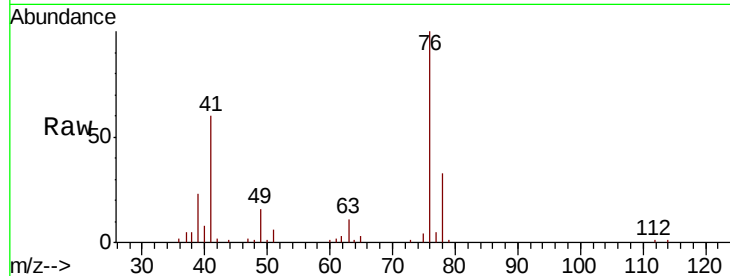




#57
 1,3-Dichloropropane
 Concen: 20.331 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

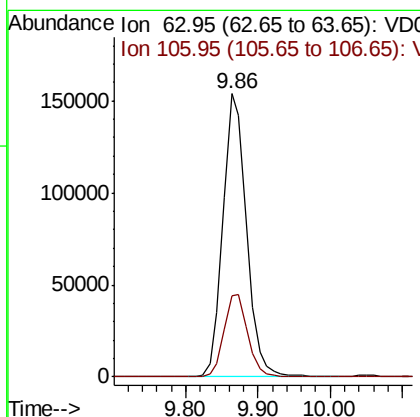
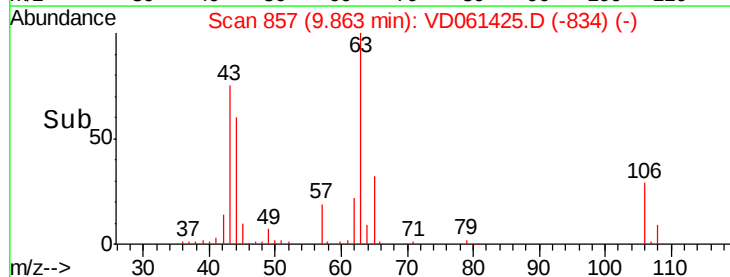
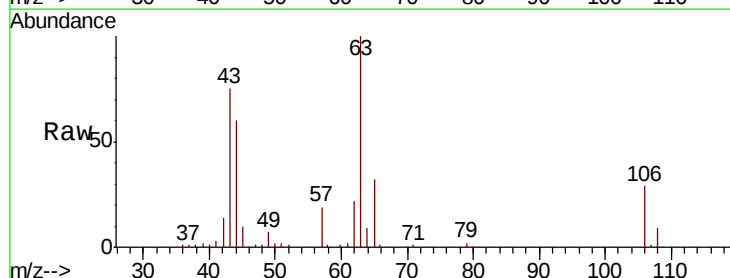
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 172251
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.214 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 63 Resp: 347447
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.4 33.6

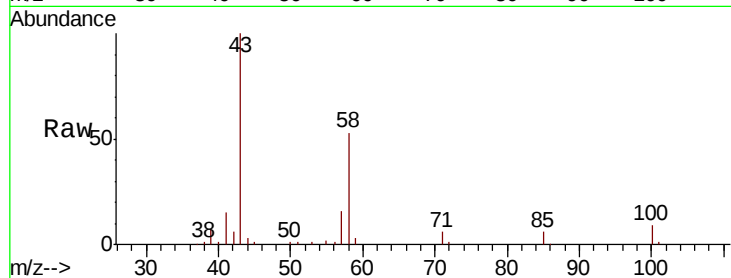




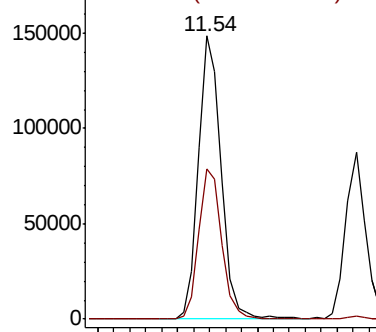
#59
2-Hexanone
Concen: 101.398 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

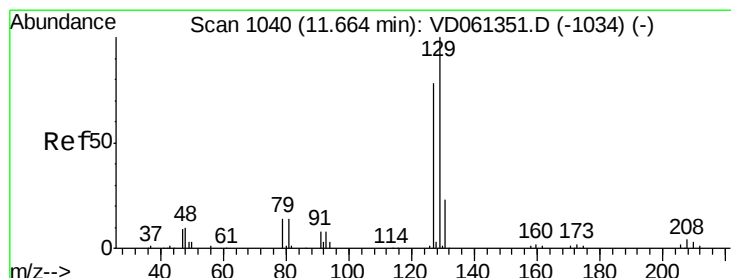
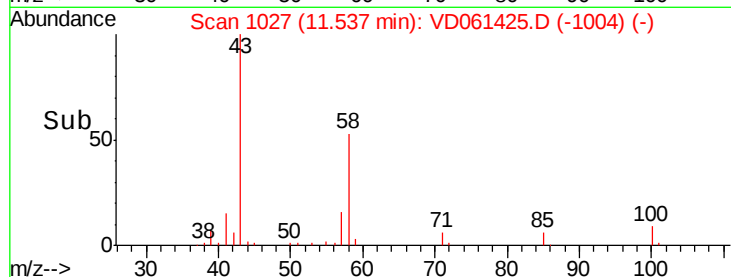
Tot Ion: 43 Resp: 299404
Ion Ratio Lower Upper
43 100
58 53.1 26.3 78.9



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

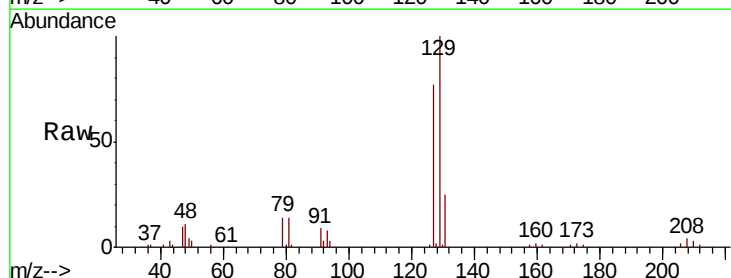


Time-->

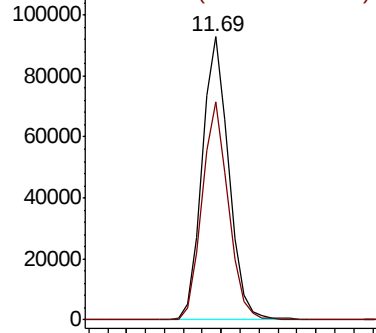


#60
Dibromochloromethane
Concen: 20.299 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.03 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

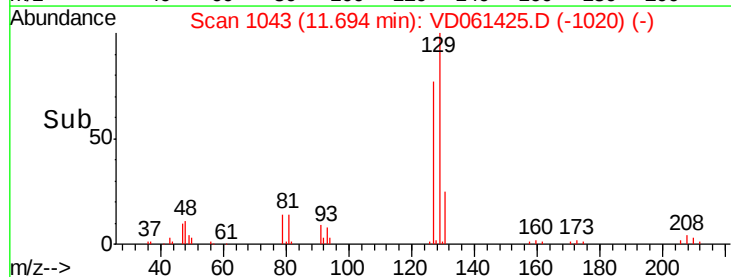
Tgt Ion: 129 Resp: 180387
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



Time-->

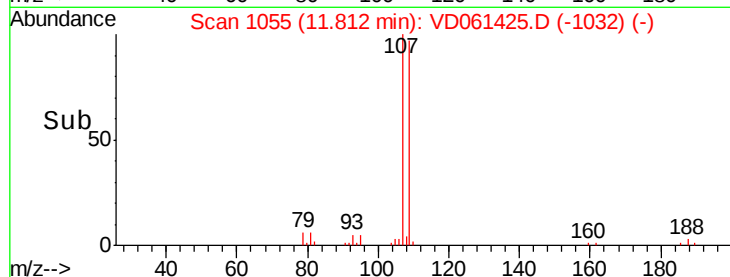
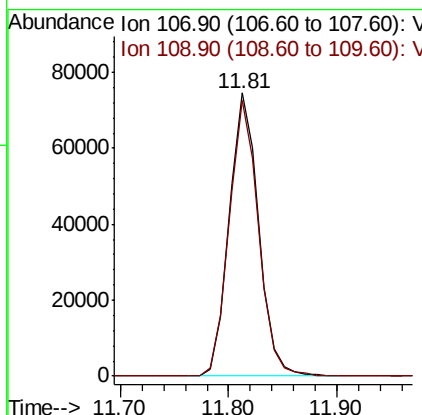
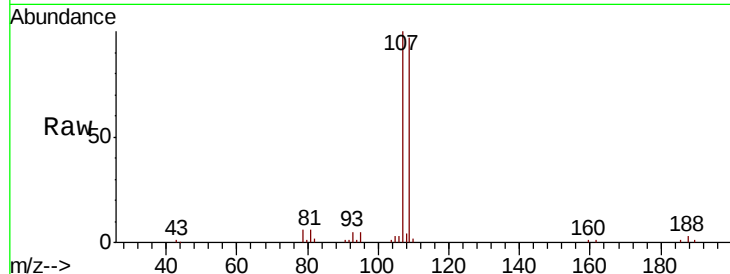




#61
 1,2-Dibromoethane
 Concen: 21.054 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

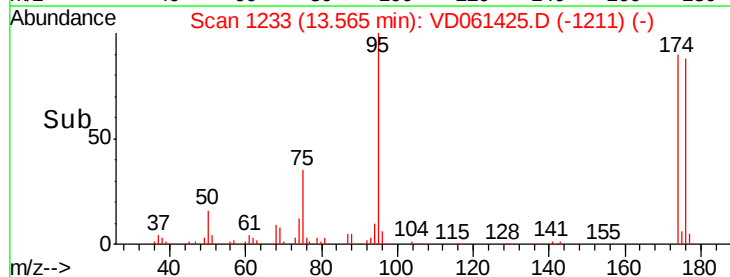
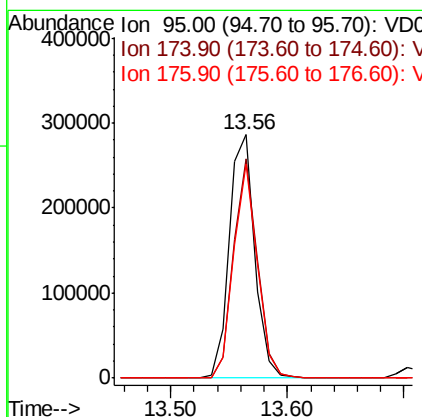
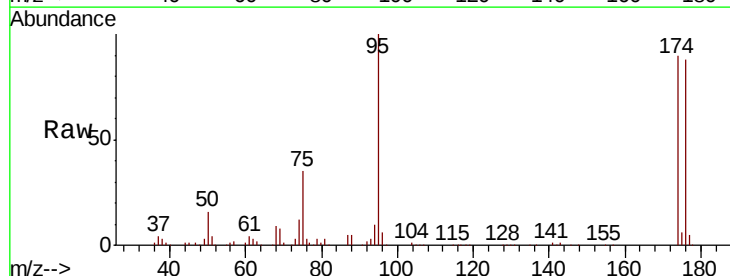
Instrument :
 MSVOA_D
 ClientSampleId :

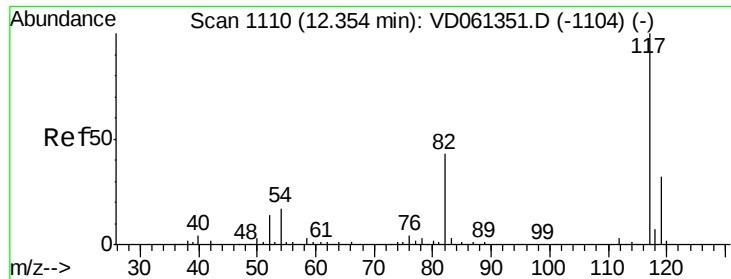
Tot Ion: 107 Resp: 140529
 Ion Ratio Lower Upper
 107 100
 109 97.3 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 21.054 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 95 Resp: 430133
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 178.0
 176 88.1 0.0 175.0

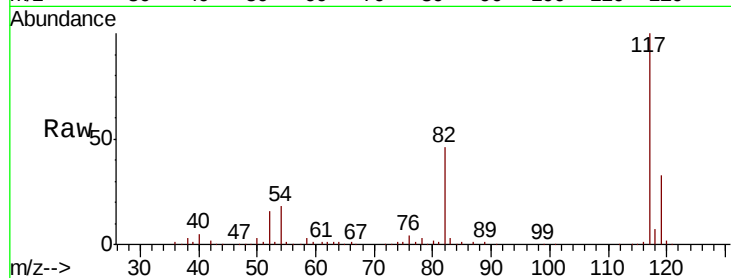




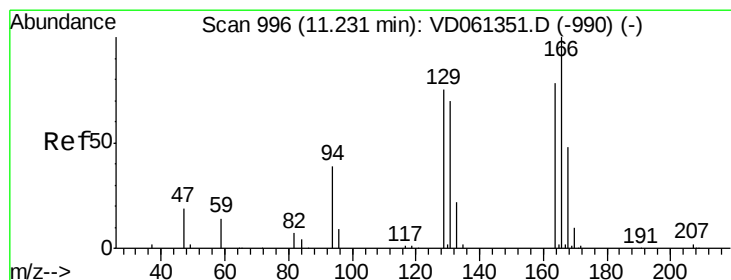
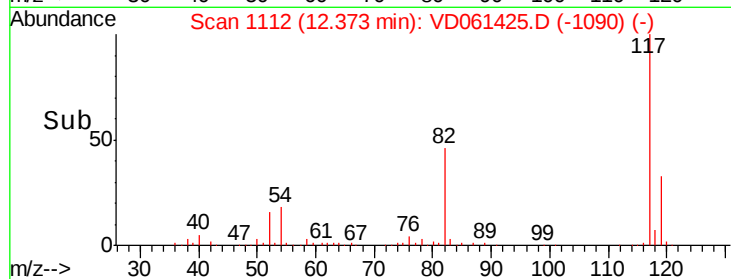
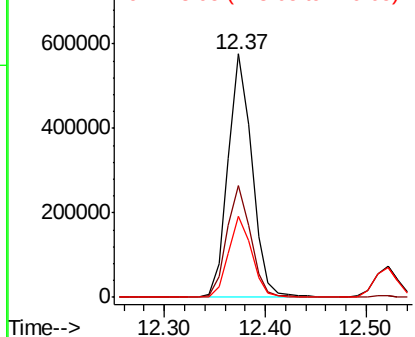
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 946293
Ion Ratio Lower Upper
117 100
82 46.1 34.4 51.6
119 33.0 25.8 38.6

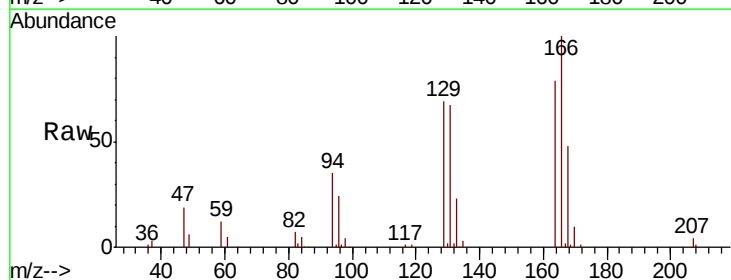


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

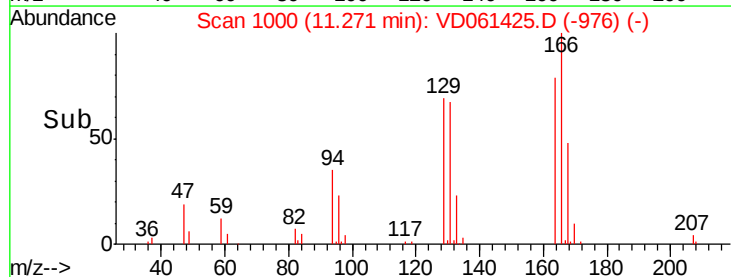
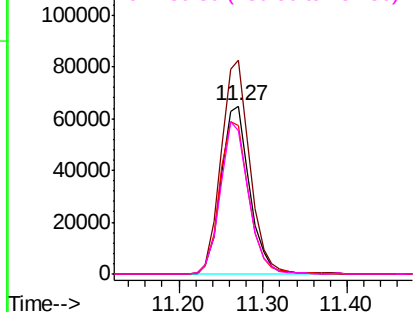


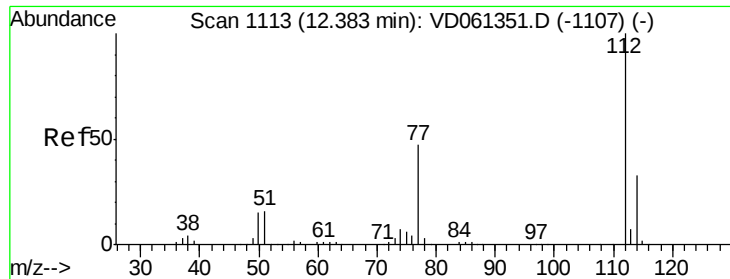
#64
Tetrachloroethene
Concen: 20.525 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion:164 Resp: 152435
Ion Ratio Lower Upper
164 100
166 127.2 102.4 153.6
129 88.2 76.8 115.2
131 85.3 71.8 107.6



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

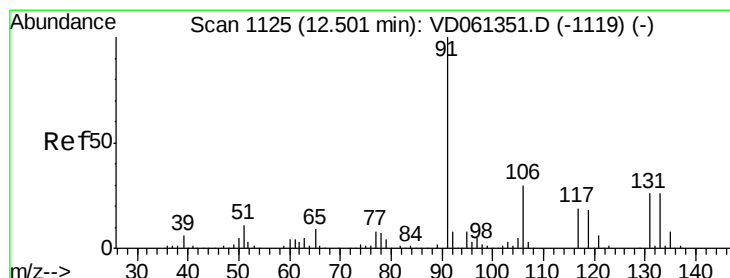
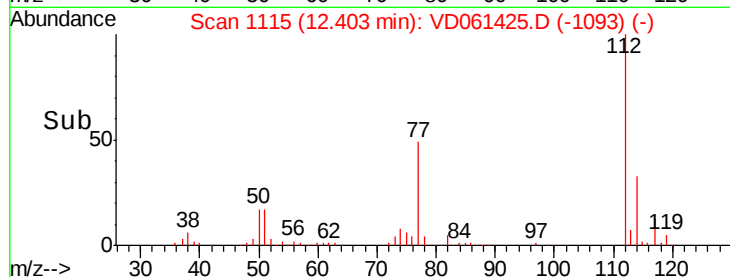
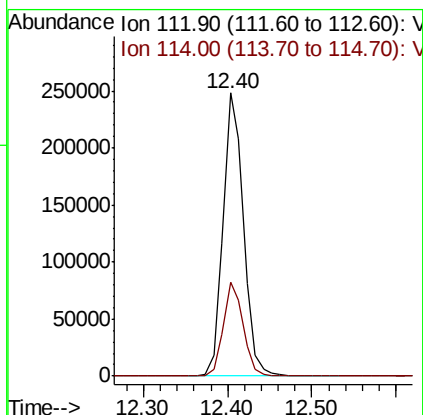
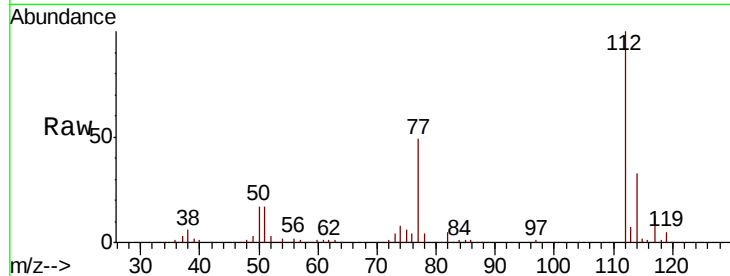




#65
Chlorobenzene
Concen: 21.517 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

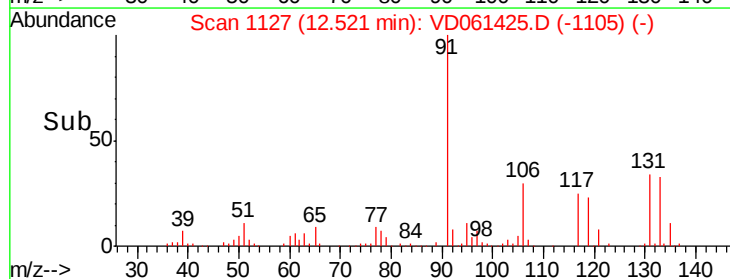
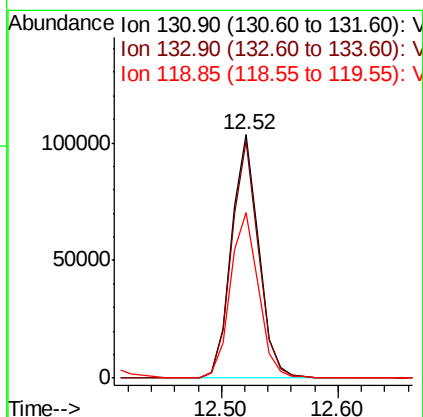
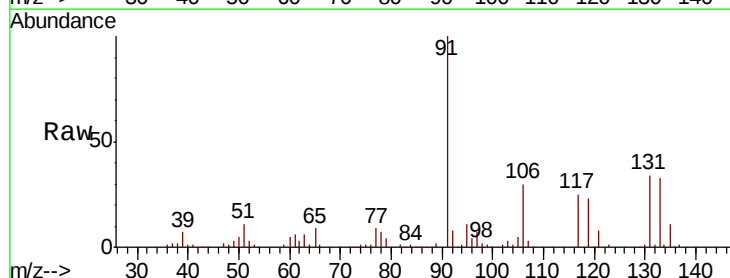
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 416113
Ion Ratio Lower Upper
112 100
114 33.3 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.522 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion:131 Resp: 168641
Ion Ratio Lower Upper
131 100
133 97.3 49.4 148.2
119 67.9 34.1 102.2

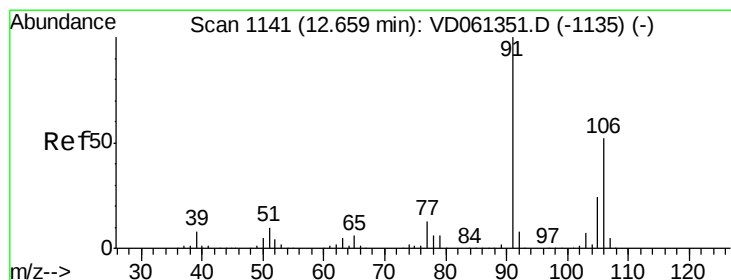
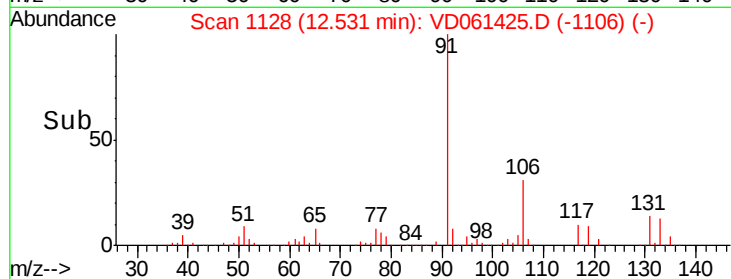
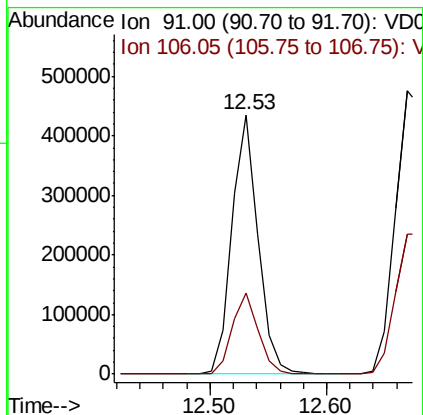
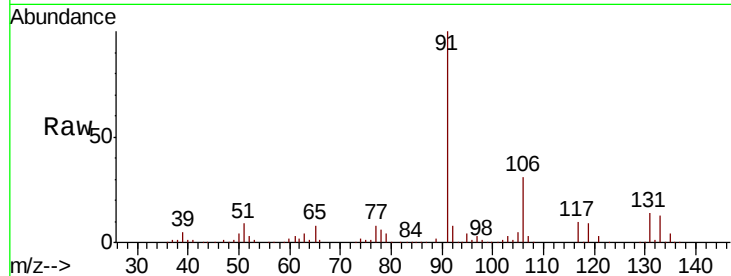




#67
Ethyl Benzene
Concen: 22.919 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

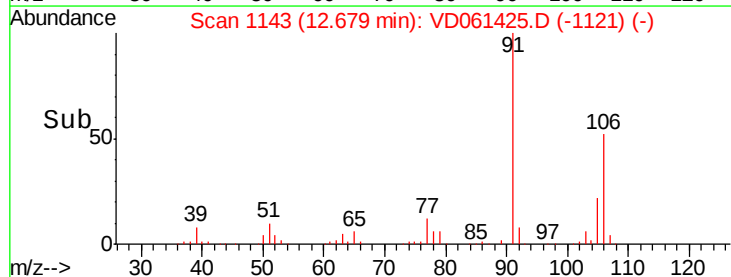
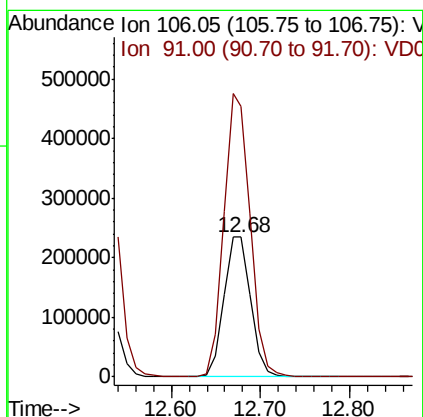
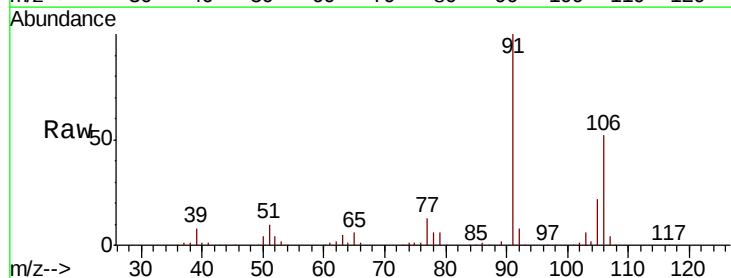
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 676543
Ion Ratio Lower Upper
91 100
106 31.2 26.1 39.1



#68
m/p-Xylenes
Concen: 44.566 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion:106 Resp: 498328
Ion Ratio Lower Upper
106 100
91 194.0 153.1 229.7

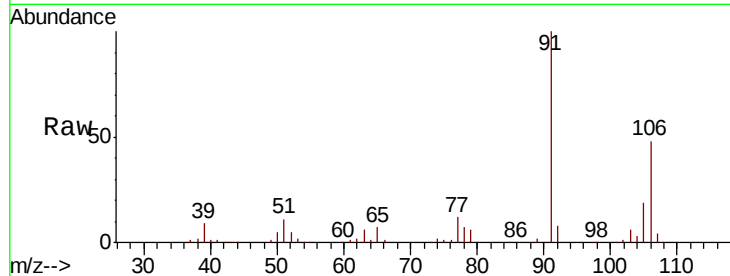




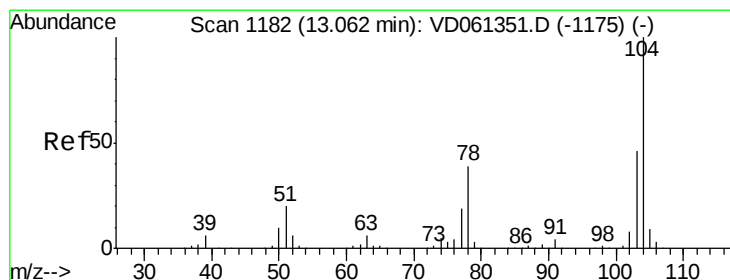
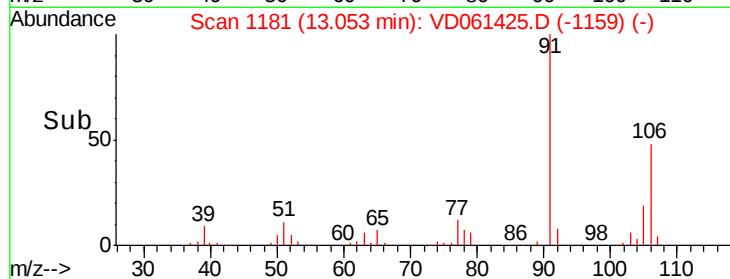
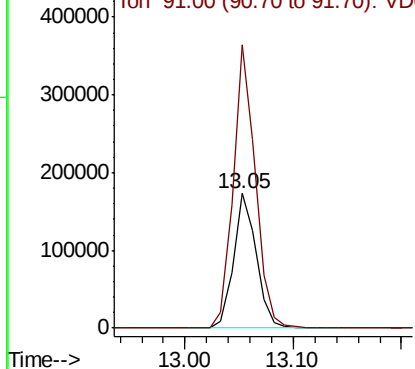
#69
o-Xylene
Concen: 23.238 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 252156
Ion Ratio Lower Upper
106 100
91 210.4 103.8 311.3

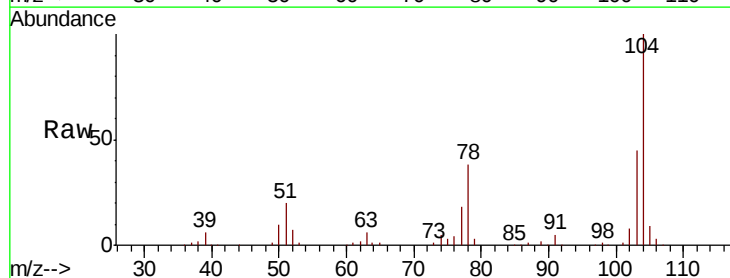


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

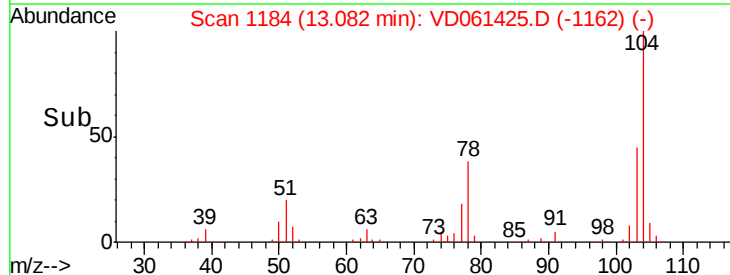
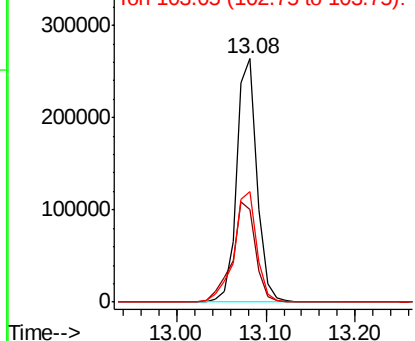


#70
Styrene
Concen: 22.137 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion:104 Resp: 418740
Ion Ratio Lower Upper
104 100
78 38.2 31.0 46.6
103 45.4 37.0 55.4



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





#71

Bromoform

Concen: 20.196 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

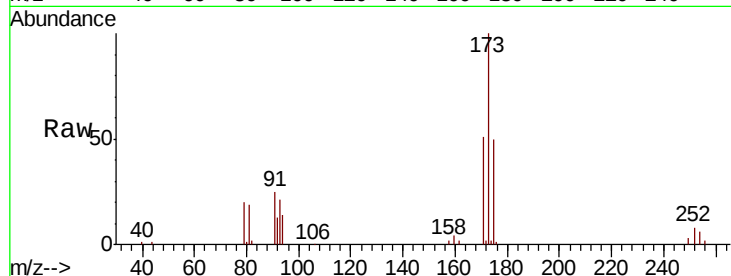
Tot Ion:173 Resp: 95863

Ion Ratio Lower Upper

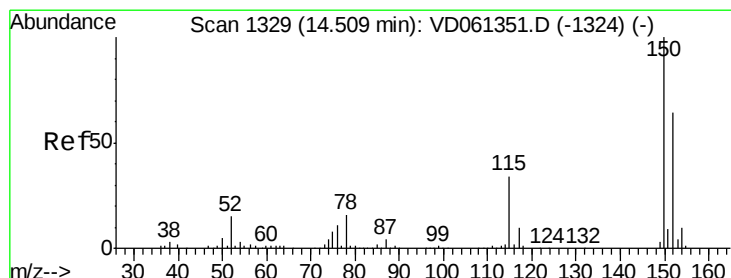
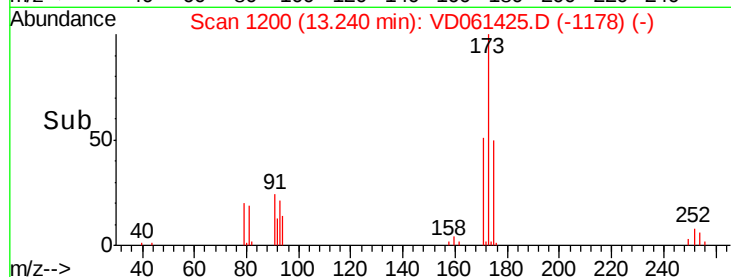
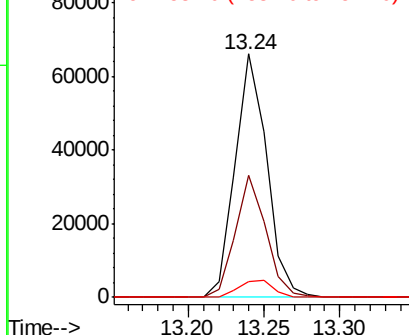
173 100

175 49.9 24.6 73.8

254 6.4 6.6 10.0#



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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

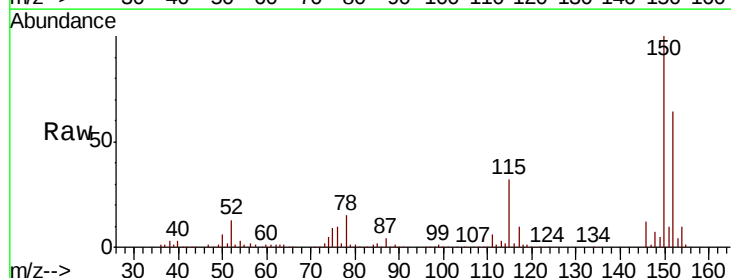
Tgt Ion:152 Resp: 435420

Ion Ratio Lower Upper

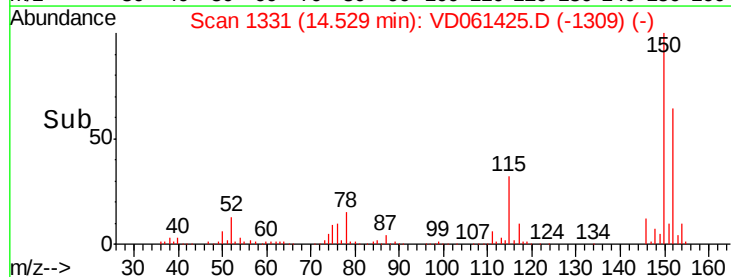
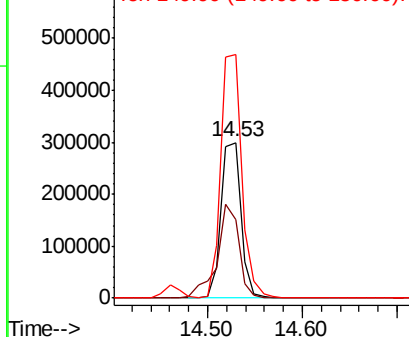
152 100

115 50.4 26.9 80.6

150 156.2 0.0 318.0



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

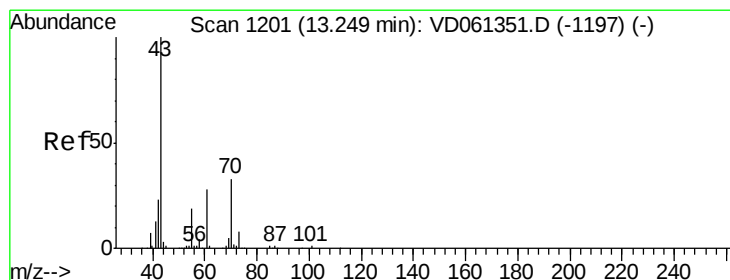
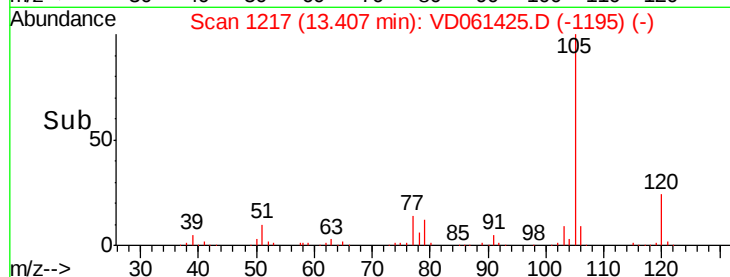
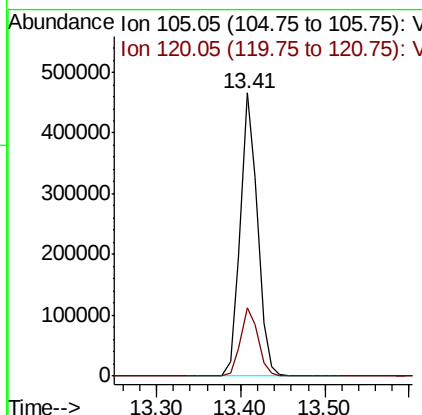
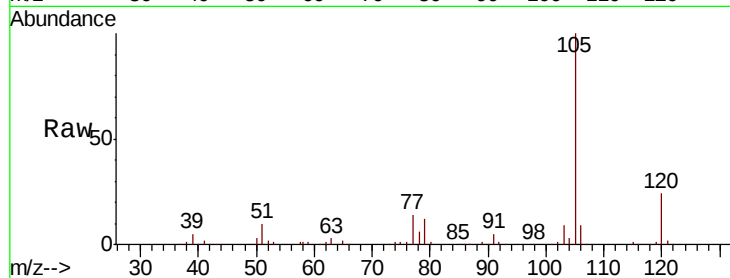




#73
Isopropylbenzene
Concen: 21.848 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

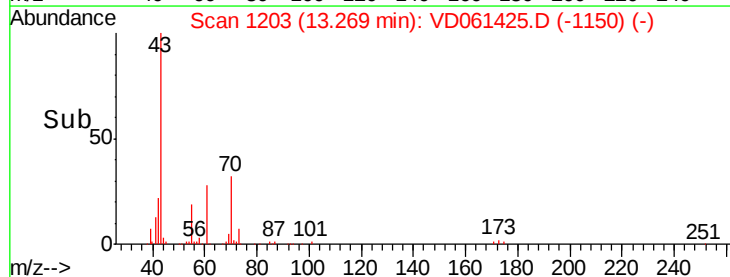
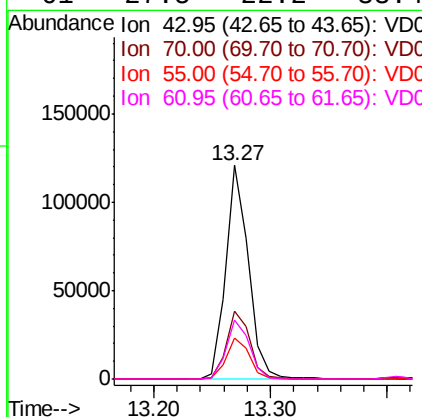
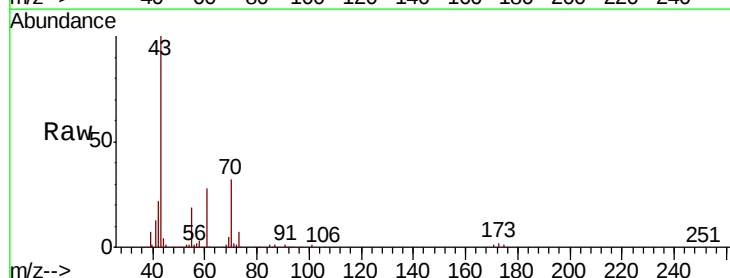
Instrument :
MSVOA_D
ClientSampleId :

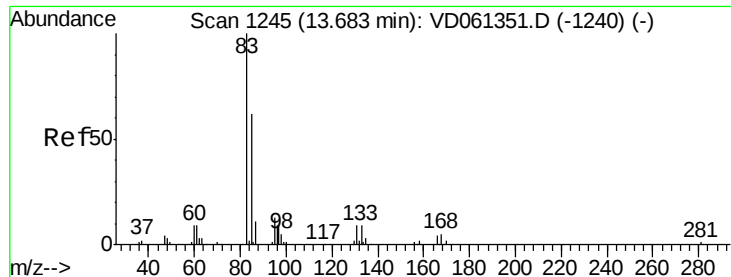
Tot Ion:105 Resp: 662087
Ion Ratio Lower Upper
105 100
120 24.2 12.8 38.3



#74
N-ethyl acetate
Concen: 19.162 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 43 Resp: 161769
Ion Ratio Lower Upper
43 100
70 31.9 26.6 40.0
55 19.2 15.4 23.2
61 27.5 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.663 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

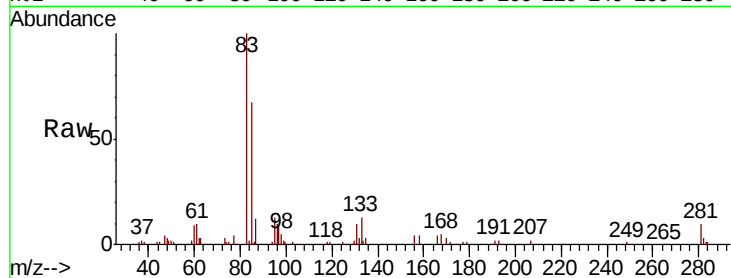
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 132093

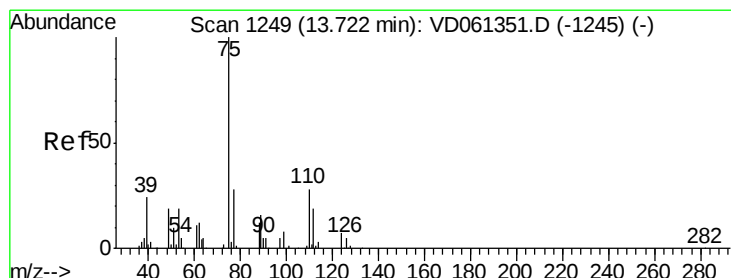
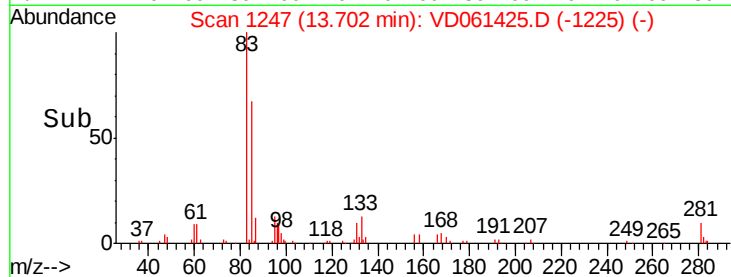
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.3	13.1
85	66.9	31.2	93.6



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: 20.742 ug/l

RT: 13.74 min Scan# 1251

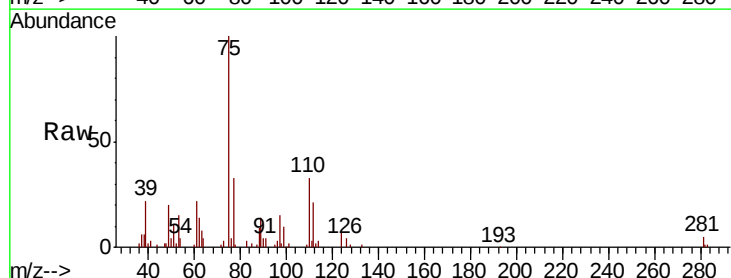
Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

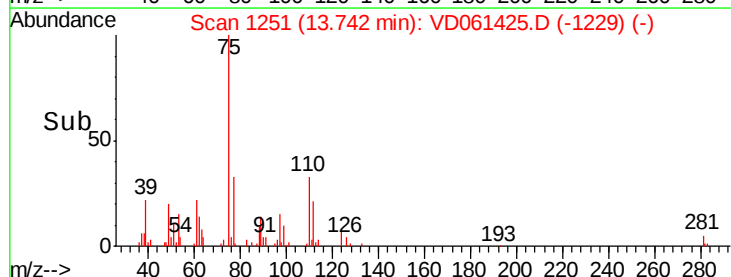
Tgt Ion: 75 Resp: 130459

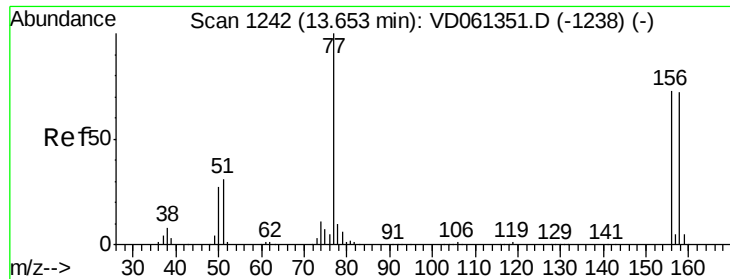
Ion	Ratio	Lower	Upper
75	100		
77	33.1	16.2	48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

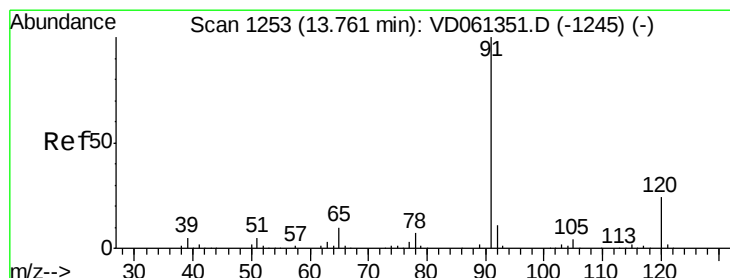
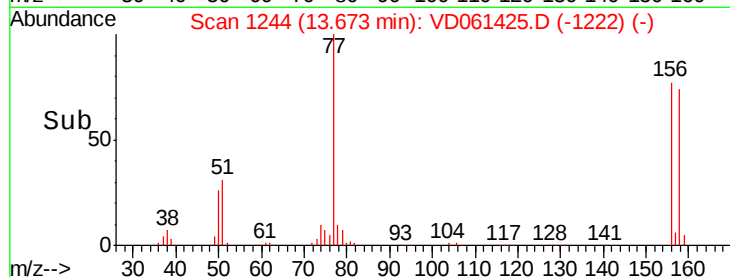
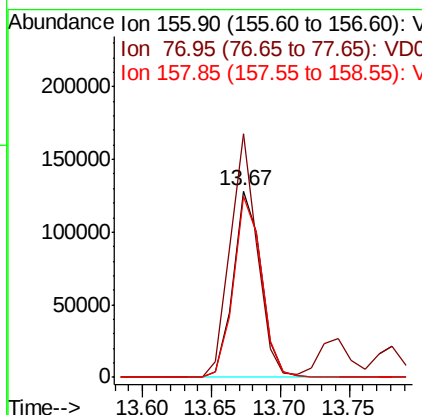
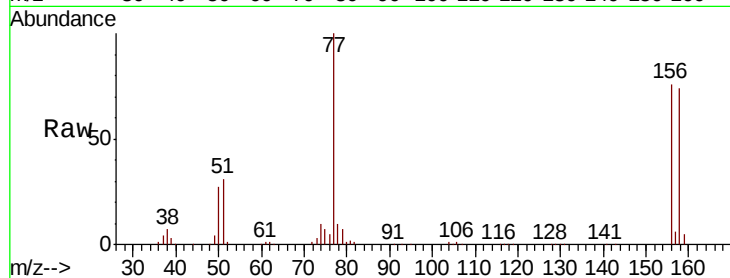




#77
Bromobenzene
Concen: 20.105 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

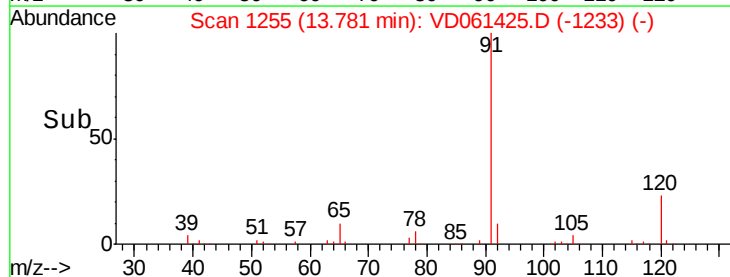
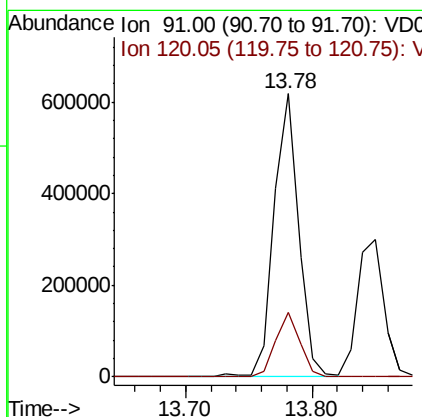
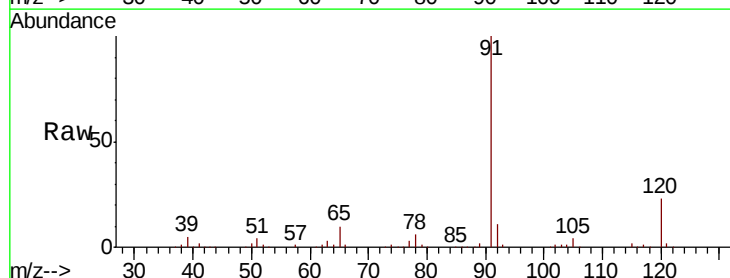
Instrument :
MSVOA_D
ClientSampleId :

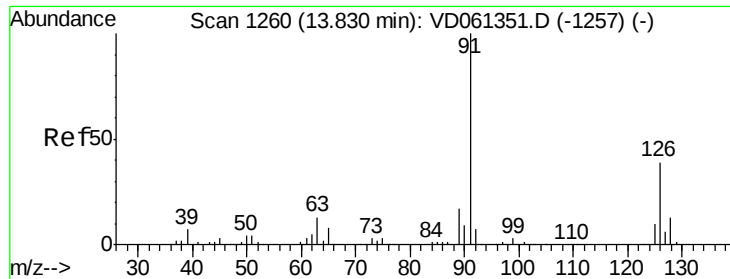
Tot Ion:156 Resp: 180628
Ion Ratio Lower Upper
156 100
77 130.9 68.5 205.6
158 97.2 49.1 147.3



#78
n-propylbenzene
Concen: 22.698 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 91 Resp: 841789
Ion Ratio Lower Upper
91 100
120 22.7 11.8 35.3





#79

2-Chlorotoluene

Concen: 21.752 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

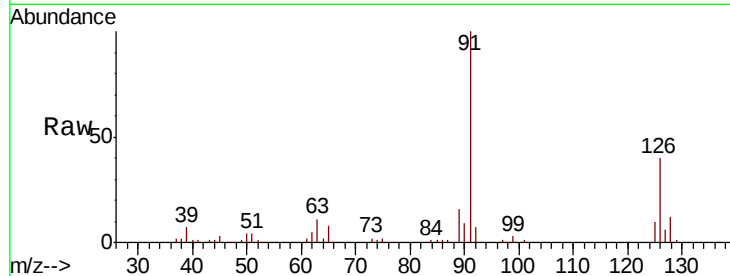
ClientSampled :

Tot Ion: 91 Resp: 438016

Ion Ratio Lower Upper

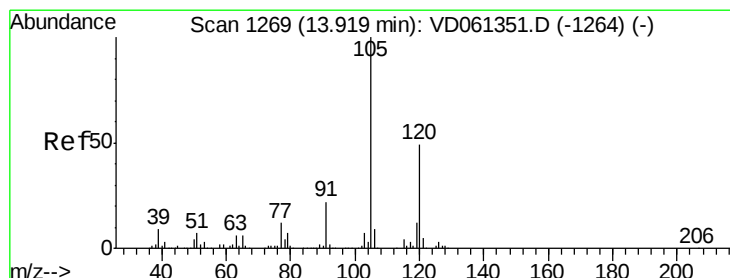
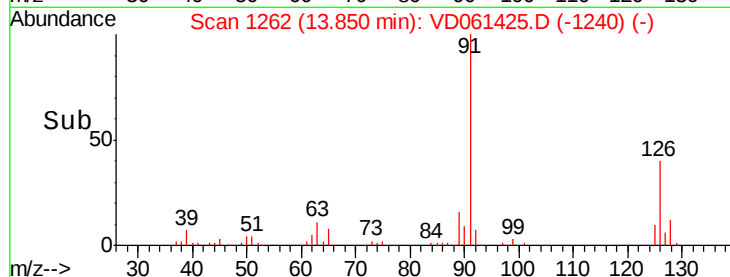
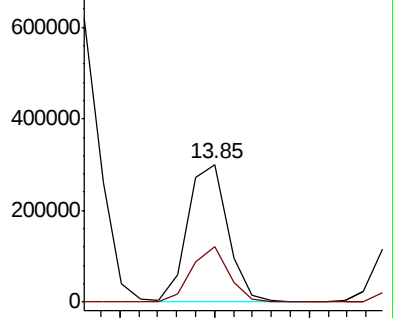
91 100

126 40.3 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.939 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.02 min

Lab File: VD061425.D

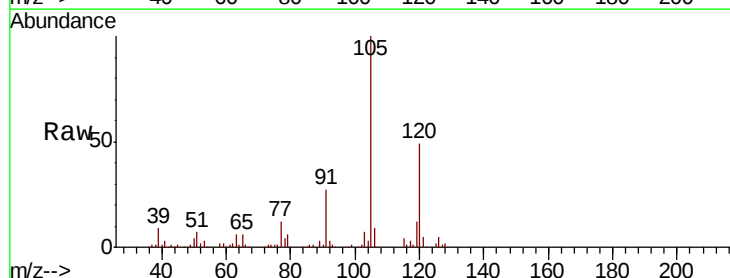
Acq: 29 Mar 2019 13:09

Tgt Ion:105 Resp: 539355

Ion Ratio Lower Upper

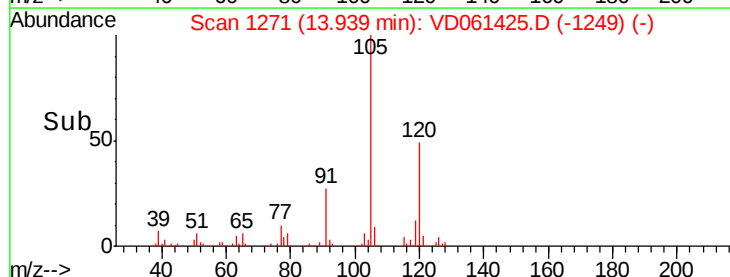
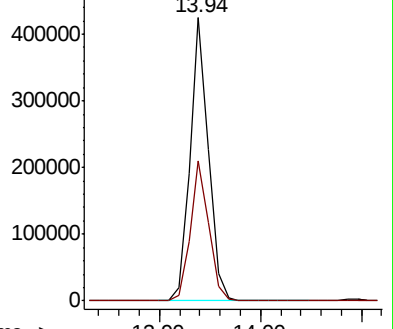
105 100

120 49.3 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.321 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

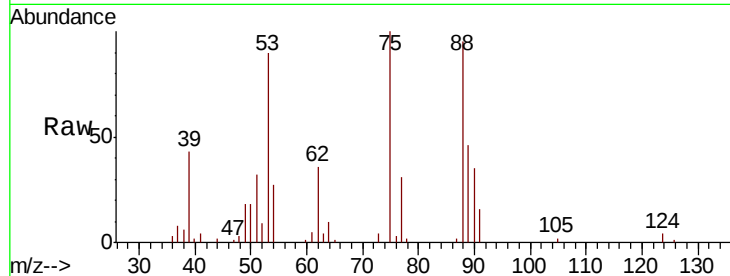
Tot Ion: 75 Resp: 37052

Ion Ratio Lower Upper

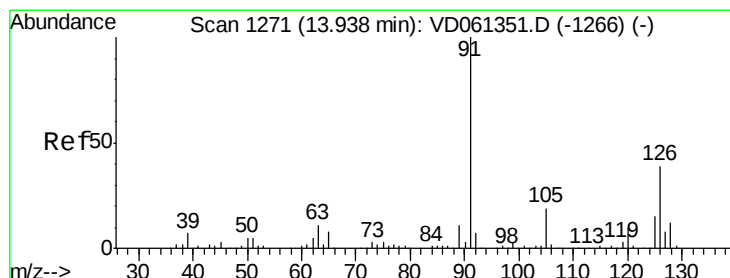
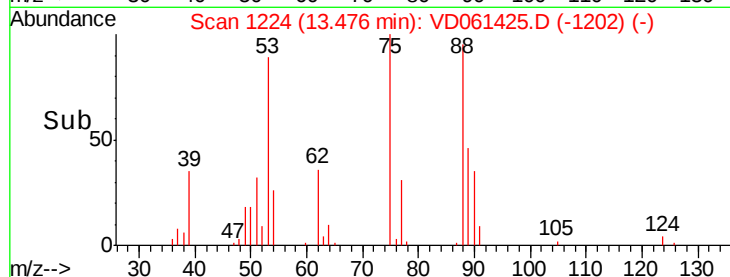
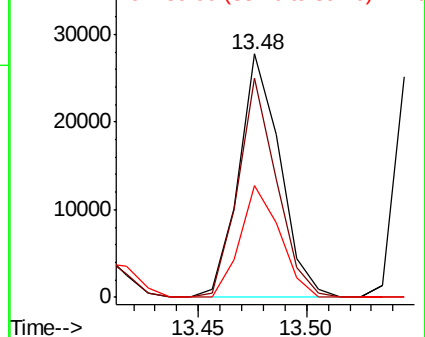
75 100

53 90.3 63.8 95.8

89 45.8 30.5 45.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.824 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061425.D

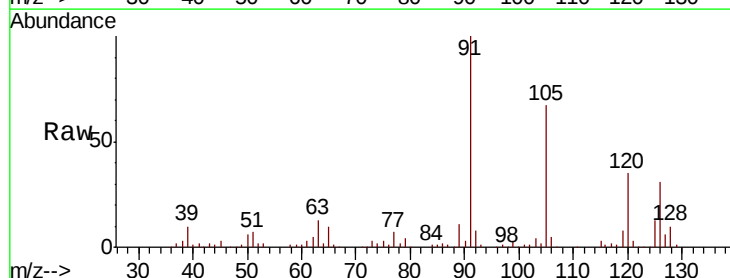
Acq: 29 Mar 2019 13:09

Tgt Ion: 91 Resp: 499749

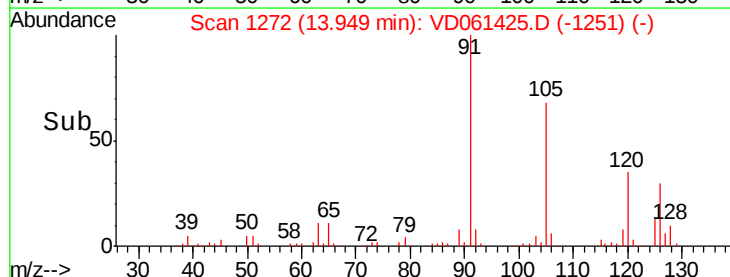
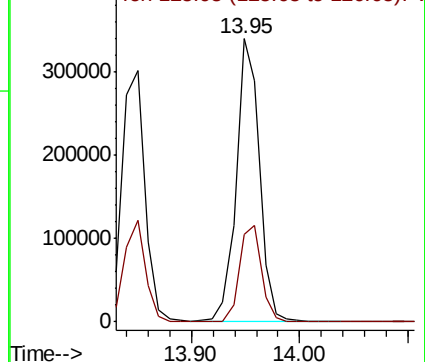
Ion Ratio Lower Upper

91 100

126 31.1 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

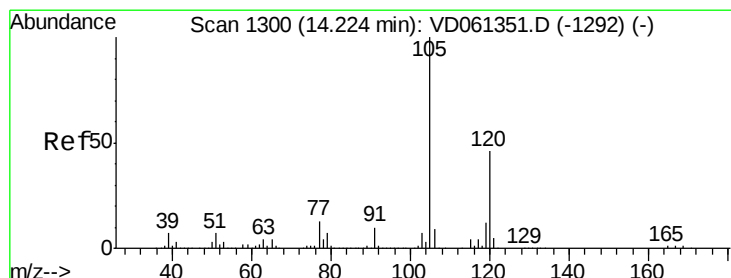
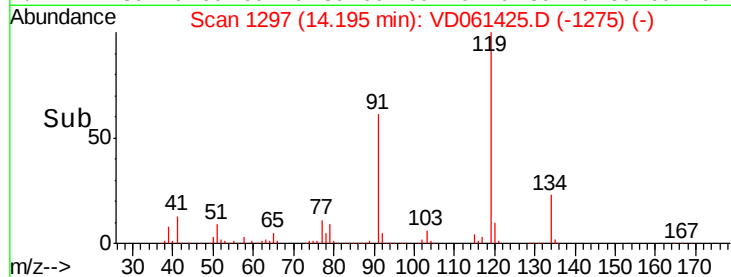
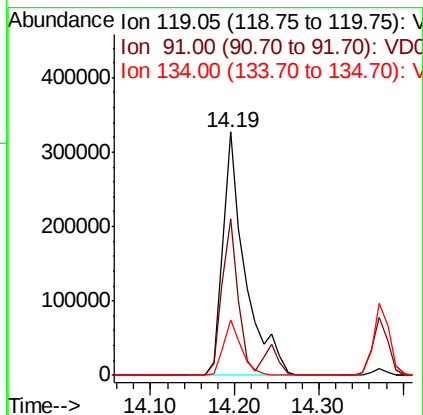
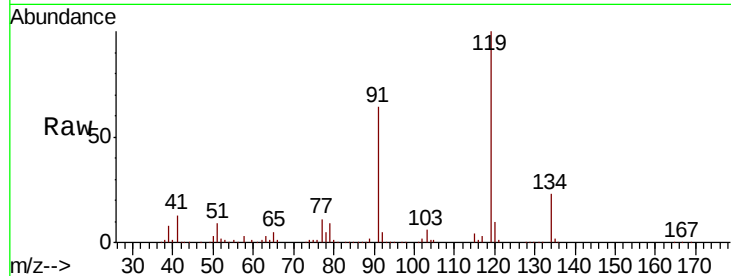




#83
tert-Butylbenzene
Concen: 20.423 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

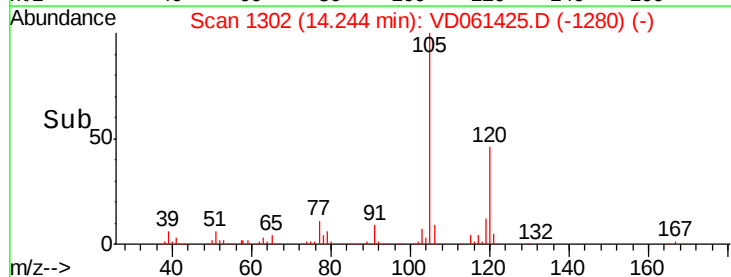
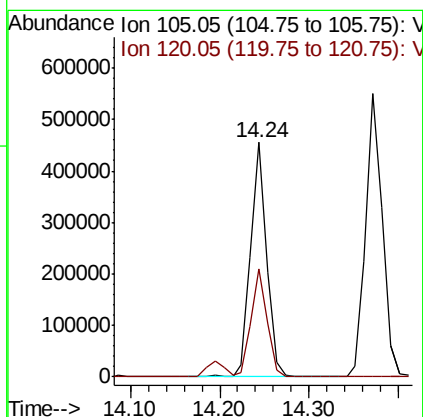
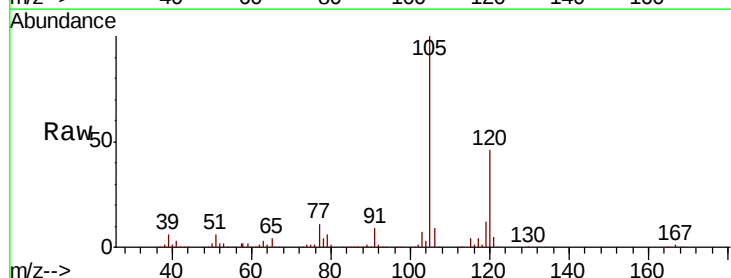
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 600130
Ion Ratio Lower Upper
119 100
91 64.3 34.1 102.3
134 23.0 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 22.133 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion:105 Resp: 563421
Ion Ratio Lower Upper
105 100
120 46.2 22.8 68.4

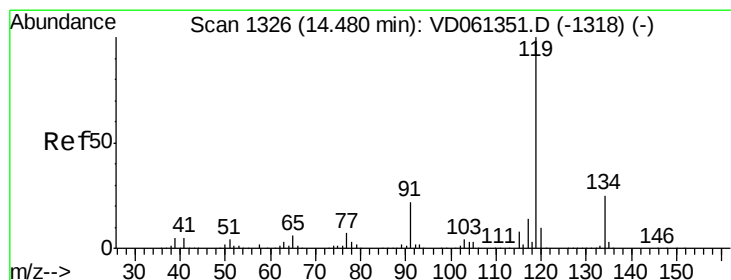
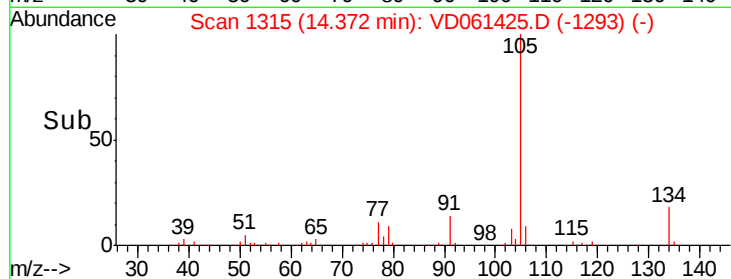
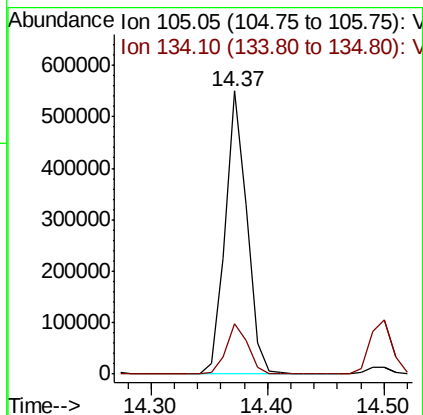
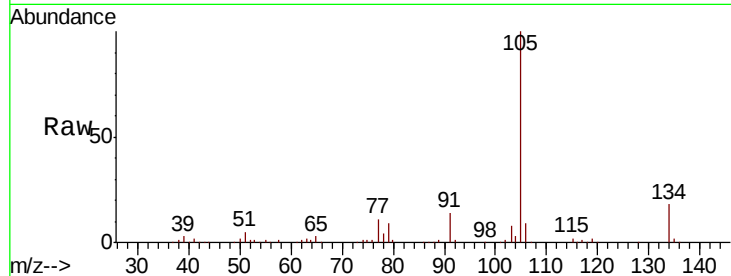




#85
 sec-Butylbenzene
 Concen: 22.597 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

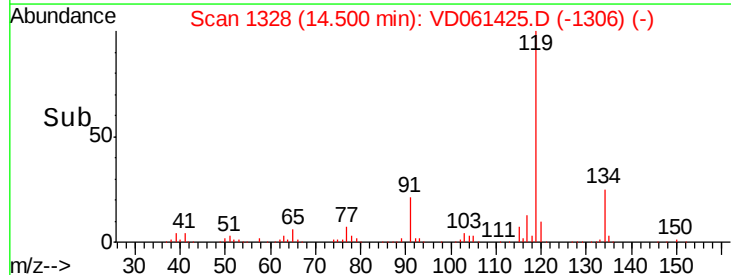
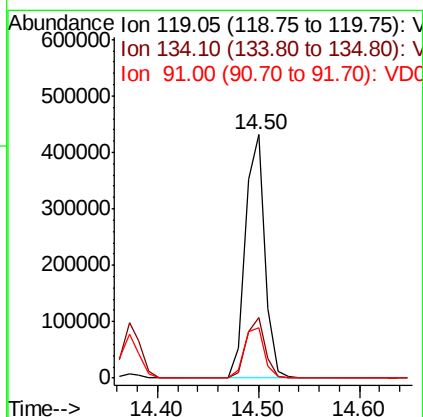
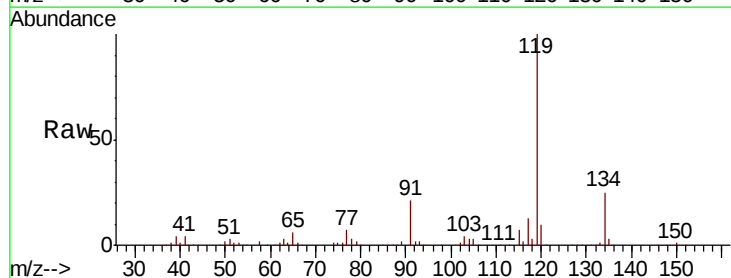
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 705420
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 21.972 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion:119 Resp: 579989
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.3 36.8
 91 20.9 11.1 33.1

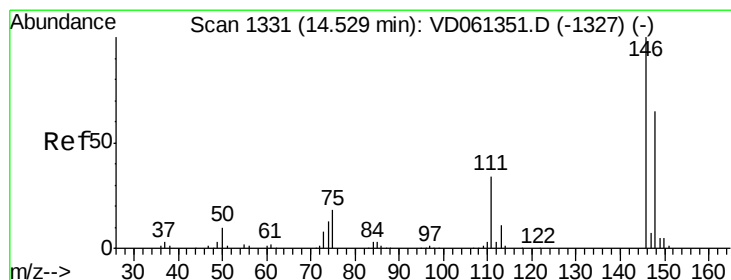
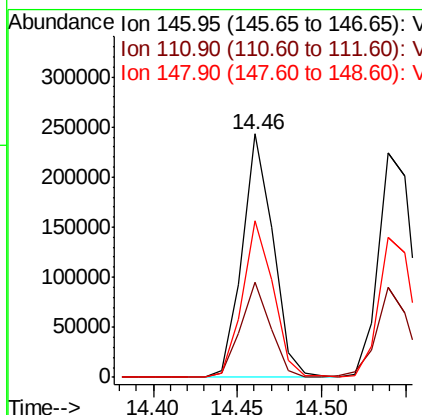
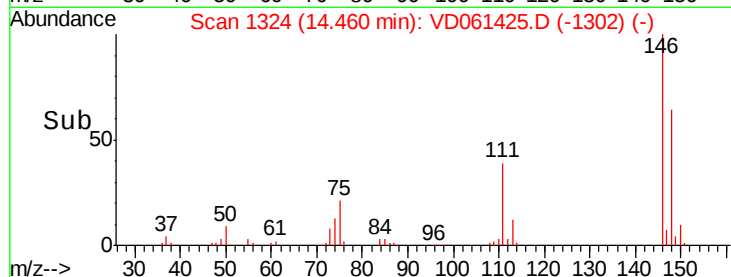
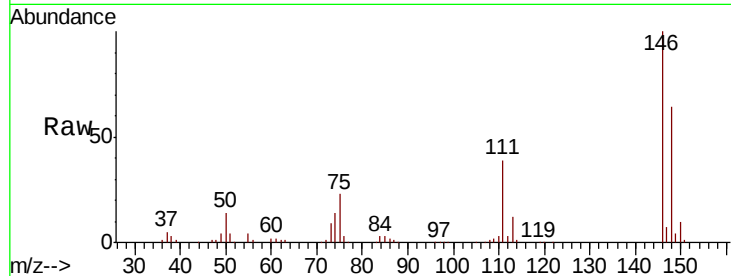




#87
 1,3-Dichlorobenzene
 Concen: 20.320 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

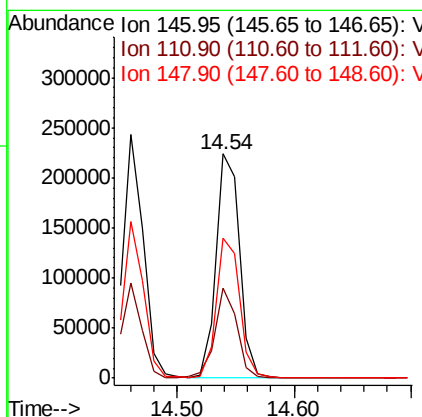
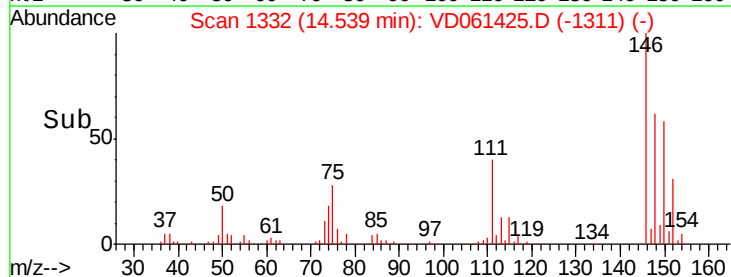
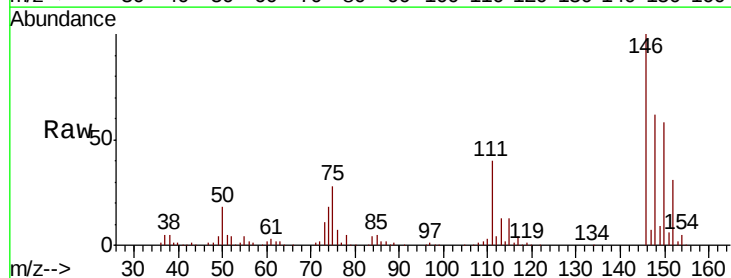
Instrument :
 MSVOA_D
 ClientSampleId :

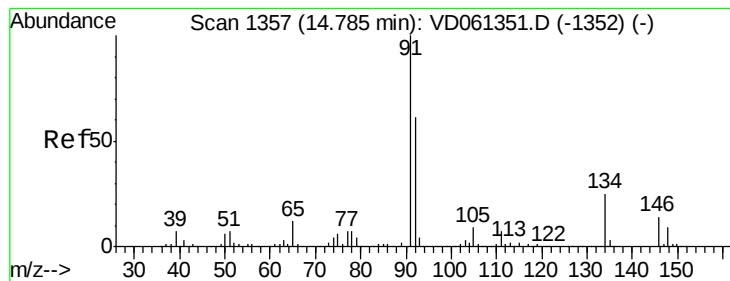
Tot Ion:146 Resp: 309146
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.6 61.9
 148 64.2 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 21.148 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion:146 Resp: 313755
 Ion Ratio Lower Upper
 146 100
 111 40.2 16.8 50.4
 148 62.3 32.6 98.0





#89

n-Butylbenzene

Concen: 22.637 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

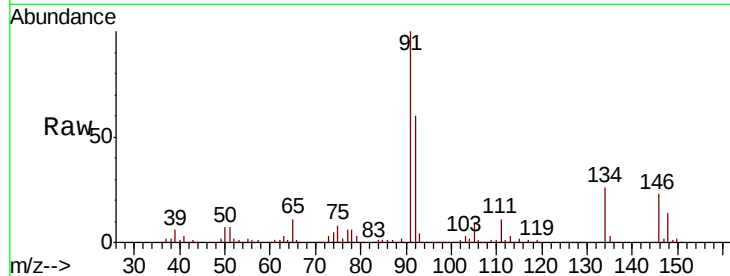
Tot Ion: 91 Resp: 548459

Ion Ratio Lower Upper

91 100

92 60.3 30.3 91.0

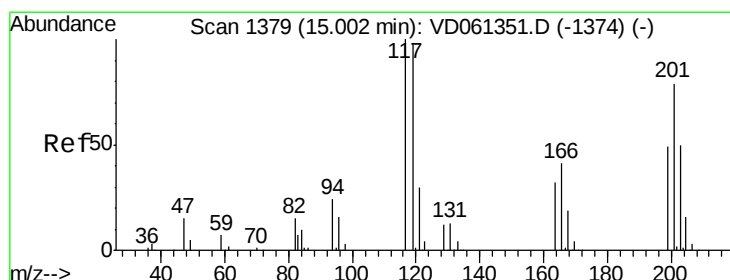
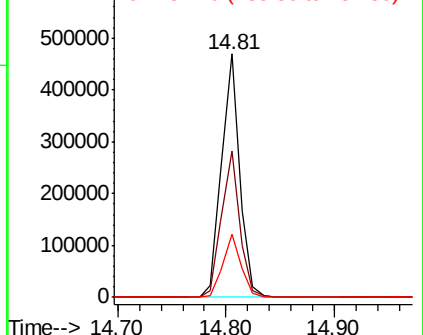
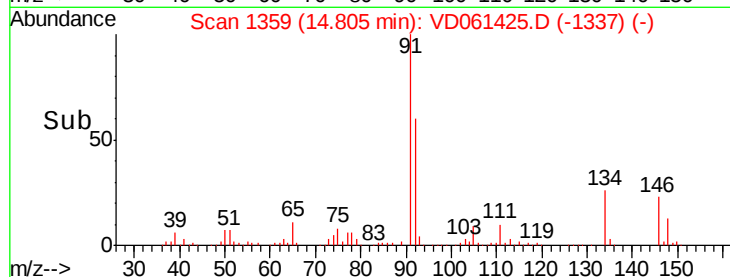
134 25.7 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.532 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061425.D

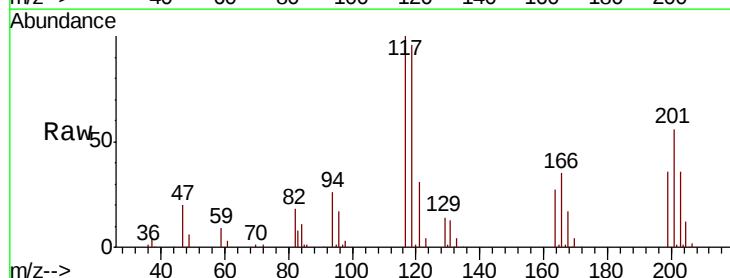
Acq: 29 Mar 2019 13:09

Tgt Ion: 117 Resp: 153115

Ion Ratio Lower Upper

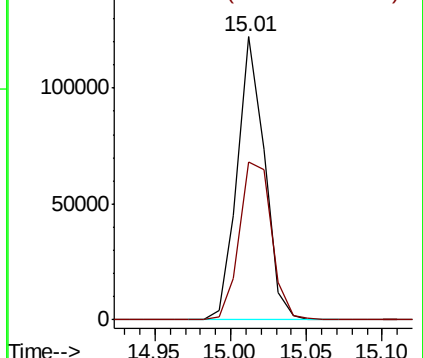
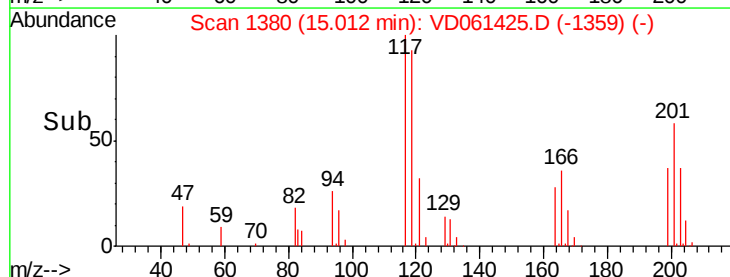
117 100

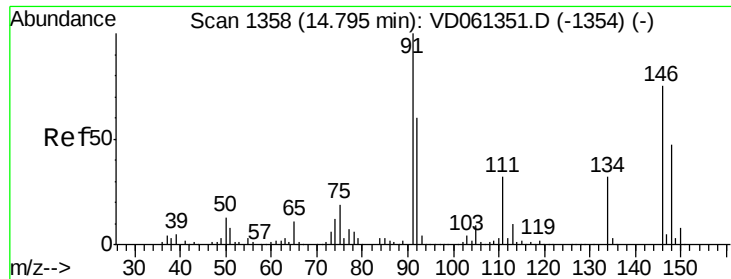
201 55.9 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

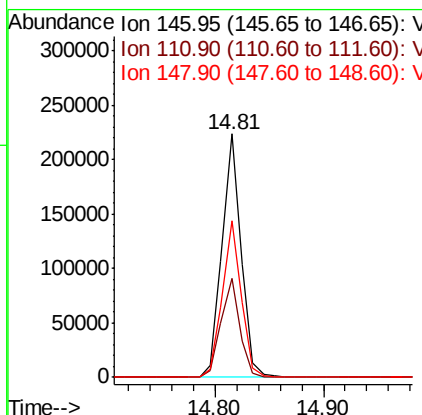
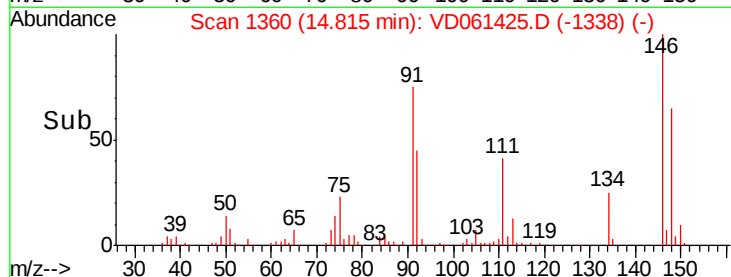
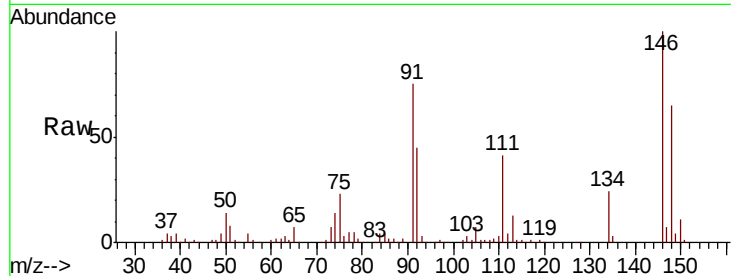




#91
 1,2-Dichlorobenzene
 Concen: 21.965 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

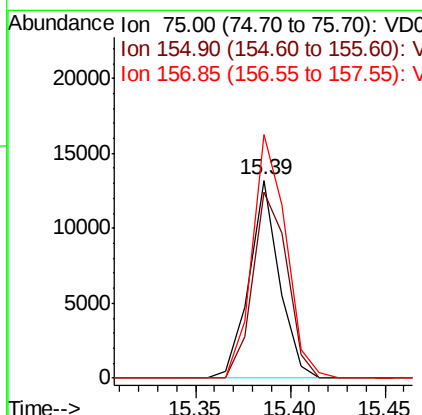
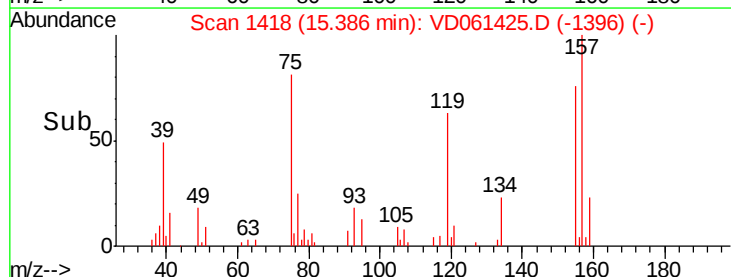
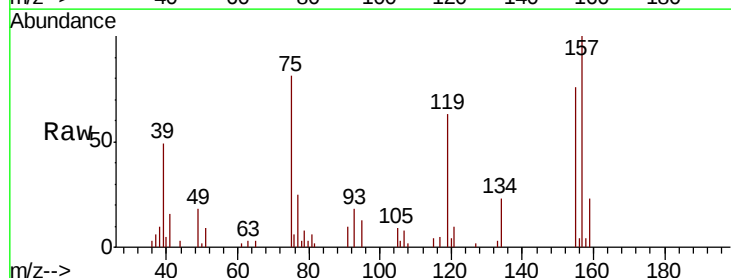
Instrument :
 MSVOA_D
 ClientSampleId :

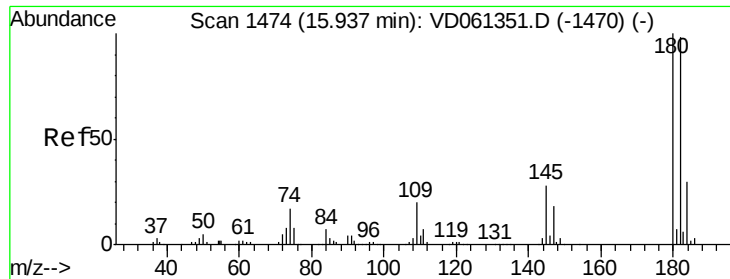
Tot Ion:146 Resp: 274106
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.2 63.6
 148 64.5 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.508 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 75 Resp: 14627
 Ion Ratio Lower Upper
 75 100
 155 93.9 43.6 130.9
 157 123.0 58.5 175.3

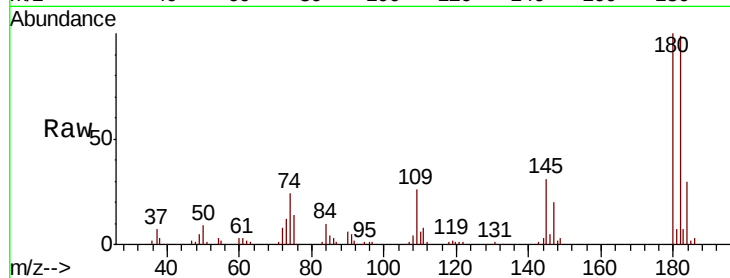




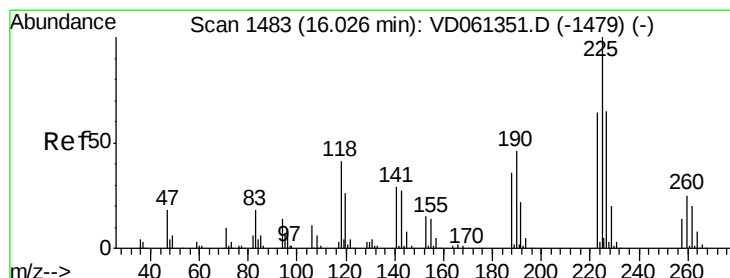
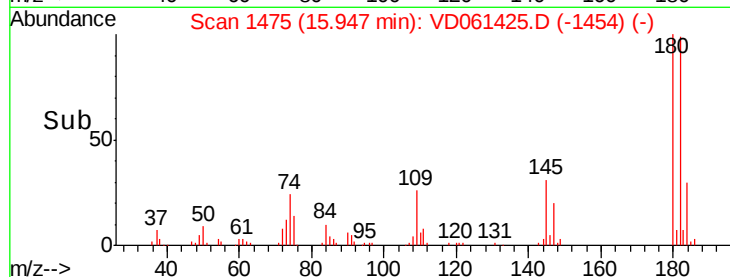
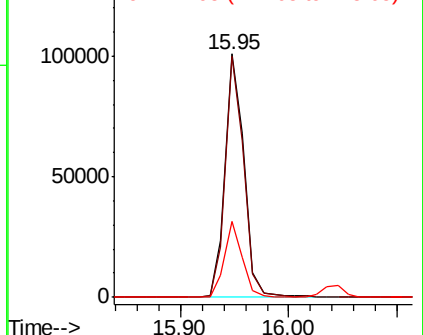
#93
 1,2,4-Trichlorobenzene
 Concen: 21.658 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.9	146.8
145	31.2	14.1	42.3

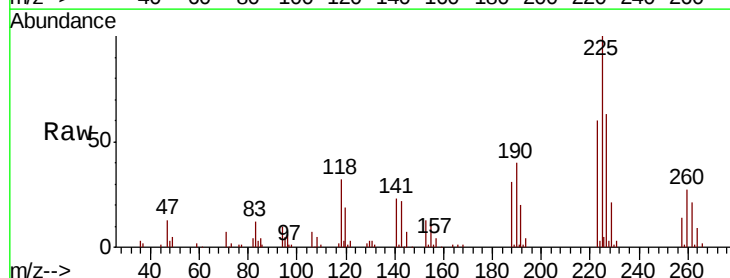


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

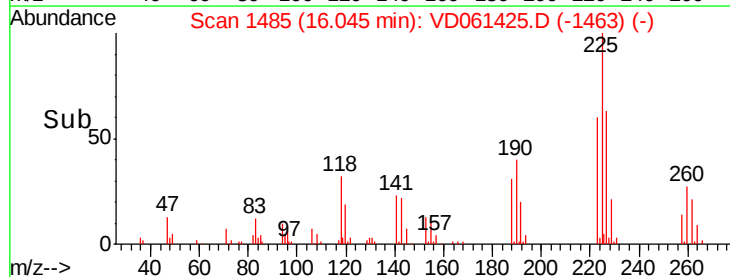
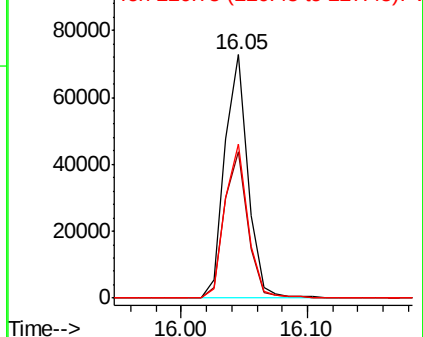


#94
 Hexachlorobutadiene
 Concen: 20.789 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	32.0	96.0
227	63.1	32.4	97.2



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

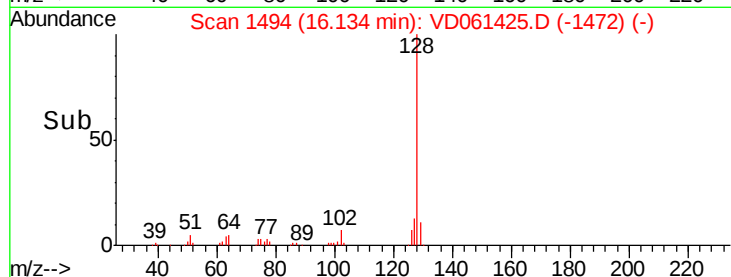
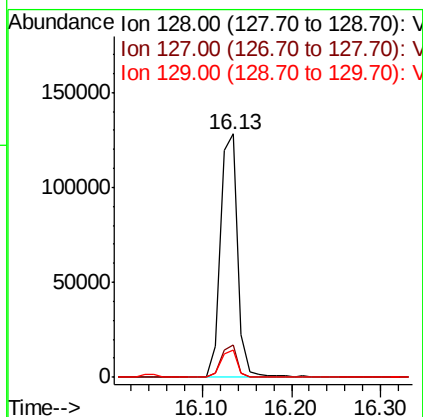
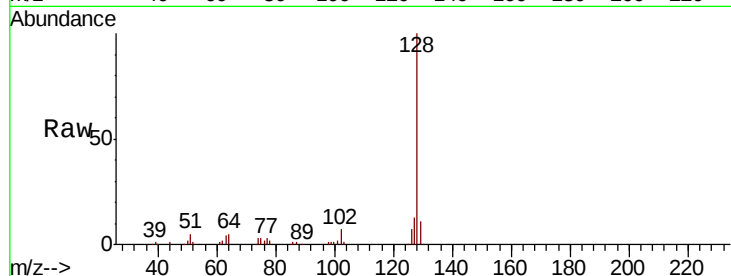




#95
Naphthalene
Concen: 20.219 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 175197
Ion Ratio Lower Upper
128 100
127 13.1 9.9 14.9
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.878 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion:180 Resp: 54728
Ion Ratio Lower Upper
180 100
182 99.5 46.4 139.1
145 33.9 15.3 45.9

