

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
 Data File : VD061810.D
 Acq On : 16 Apr 2019 14:43
 Operator : VA/AP
 Sample : VD0416SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Quant Time: Apr 16 15:09:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	693149	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.23	114	1169522	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.37	117	902685	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	409917	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	303599	52.26	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	6.94	113	450393	50.97	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.42	98	1062598	50.76	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	13.56	95	396463	46.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	125243	18.512	ug/l	98
3) Chloromethane	1.76	50	110524	20.499	ug/l	97
4) Vinyl Chloride	1.86	62	102388	19.134	ug/l	98
5) Bromomethane	2.15	94	22092	15.939	ug/l	91
6) Chloroethane	2.27	64	34714	19.017	ug/l	99
7) Trichlorofluoromethane	2.54	101	156496	18.033	ug/l	99
8) Diethyl Ether	2.88	74	46672	20.521	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	158502	20.483	ug/l	97
10) Methyl Iodide	3.33	142	197895	18.408	ug/l #	98
11) Tert butyl alcohol	4.08	59	34998	102.159	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	127730	19.634	ug/l	96
13) Acrolein	3.05	56	32819	98.956	ug/l	96
14) Allyl chloride	3.64	41	178206	20.097	ug/l	96
15) Acrylonitrile	4.21	53	110621	102.855	ug/l	99
16) Acetone	3.24	43	128151	89.506	ug/l	96
17) Carbon Disulfide	3.40	76	420557	20.008	ug/l	99
18) Methyl Acetate	3.66	43	61242	21.341	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	248673	20.483	ug/l	97
20) Methylene Chloride	3.83	84	156533	19.166	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	144863	20.263	ug/l	99
22) Diisopropyl ether	5.14	45	417278	22.015	ug/l	98
23) Vinyl Acetate	5.08	43	1082675	106.854	ug/l	100
24) 1,1-Dichloroethane	5.00	63	239326	20.825	ug/l	99
25) 2-Butanone	6.08	43	167373	102.682	ug/l	97
26) 2,2-Dichloropropane	6.04	77	205938	20.733	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	169459	21.865	ug/l	98
28) Bromochloromethane	6.45	49	86806	19.886	ug/l	91
29) Tetrahydrofuran	6.47	42	80273	101.099	ug/l	99
30) Chloroform	6.68	83	266196	20.767	ug/l	97
31) Cyclohexane	6.98	56	183879	20.901	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	222609	19.592	ug/l	99
36) 1,1-Dichloropropene	7.17	75	204486	21.397	ug/l	95
37) Ethyl Acetate	6.20	43	82857	20.257	ug/l	98
38) Carbon Tetrachloride	7.13	117	244844	20.289	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	203285	20.484	ug/l	99
40) Benzene	7.47	78	458882	20.000	ug/l	97
41) Methacrylonitrile	6.47	41	92685	19.171	ug/l #	91
42) 1,2-Dichloroethane	7.59	62	156696	19.610	ug/l	99
43) Isopropyl Acetate	9.25	43	121957	21.188	ug/l	98
44) Trichloroethene	8.55	130	179875	20.365	ug/l	95
45) 1,2-Dichloropropane	8.95	63	121059	20.256	ug/l	94
46) Dibromomethane	9.08	93	87616	20.575	ug/l	93
47) Bromodichloromethane	9.38	83	199529	20.310	ug/l	98
48) Methyl methacrylate	9.13	41	67726	20.017	ug/l	96
49) 1,4-Dioxane	9.10	88	15261	412.667	ug/l	95
51) 4-Methyl-2-Pentanone	10.32	43	328853	93.424	ug/l	99
52) Toluene	10.51	92	310748	21.135	ug/l	94
53) t-1,3-Dichloropropene	10.93	75	179487	20.276	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	194218	18.691	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	93586	18.889	ug/l	98
56) Ethyl methacrylate	11.05	69	111228	20.455	ug/l	97
57) 1,3-Dichloropropane	11.42	76	147940	19.862	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	243873	94.291	ug/l	97
59) 2-Hexanone	11.54	43	253426	96.935	ug/l	98
60) Dibromochloromethane	11.69	129	169817	20.948	ug/l	99
61) 1,2-Dibromoethane	11.81	107	117776	19.333	ug/l	95
64) Tetrachloroethene	11.27	164	134911	19.928	ug/l	98
65) Chlorobenzene	12.40	112	349732	20.804	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	150930	21.424	ug/l	97
67) Ethyl Benzene	12.53	91	575907	21.392	ug/l	100
68) m/p-Xylenes	12.67	106	430496	42.570	ug/l	99
69) o-Xylene	13.05	106	220013	23.147	ug/l	97
70) Styrene	13.08	104	375151	22.935	ug/l	97
71) Bromoform	13.24	173	87956	21.033	ug/l #	95
73) Isopropylbenzene	13.41	105	614650	23.121	ug/l	97
74) N-amyl acetate	13.27	43	150507	21.054	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	110567	21.041	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	105617	19.619	ug/l	100
77) Bromobenzene	13.67	156	165378	21.900	ug/l	92
78) n-propylbenzene	13.78	91	684038	22.271	ug/l	98
79) 2-Chlorotoluene	13.84	91	398919	22.233	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	467086	22.143	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	29738	19.233	ug/l	94
82) 4-Chlorotoluene	13.95	91	436046	21.232	ug/l	91
83) tert-Butylbenzene	14.19	119	484917	19.578	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	470696	22.199	ug/l	99
85) sec-Butylbenzene	14.37	105	560885	21.906	ug/l	100
86) p-Isopropyltoluene	14.49	119	510765	21.320	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	281179	21.328	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	294027	22.562	ug/l	98
89) n-Butylbenzene	14.80	91	460457	21.714	ug/l	98
90) Hexachloroethane	15.01	117	145359	22.261	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	234621	21.246	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	14323	22.486	ug/l	86

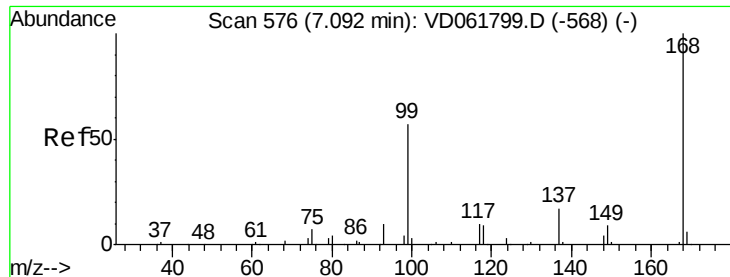
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
Data File : VD061810.D
Acq On : 16 Apr 2019 14:43
Operator : VA/AP
Sample : VD0416SBSD01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	115067	18.972	ug/l	96
94) Hexachlorobutadiene	16.05	225	100468	22.858	ug/l	98
95) Naphthalene	16.12	128	186141	20.023	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	65129	18.843	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

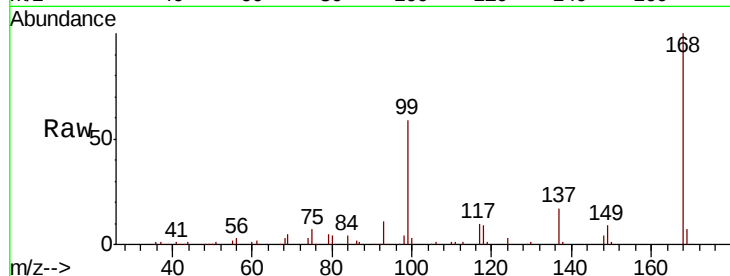
VD0416SBS01

Tgt Ion:168 Resp: 693149

Ion Ratio Lower Upper

168 100

99 59.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

100000

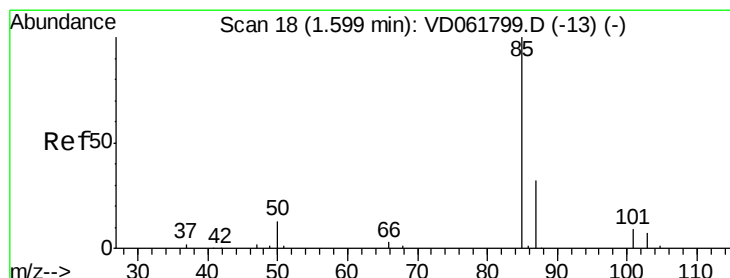
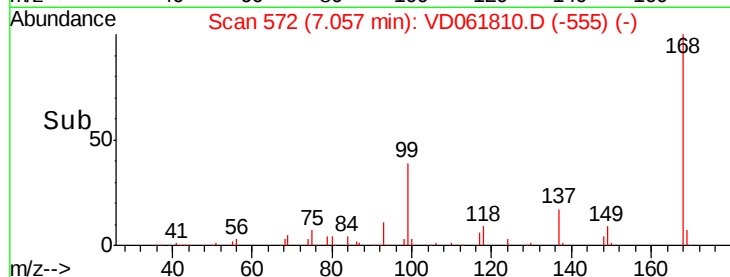
50000

0

Time-->

7.00

7.20



#2

Dichlorodifluoromethane

Concen: 18.512 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061810.D

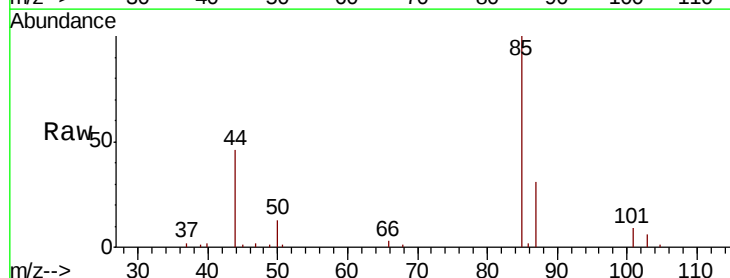
Acq: 16 Apr 2019 14:43

Tgt Ion: 85 Resp: 125243

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

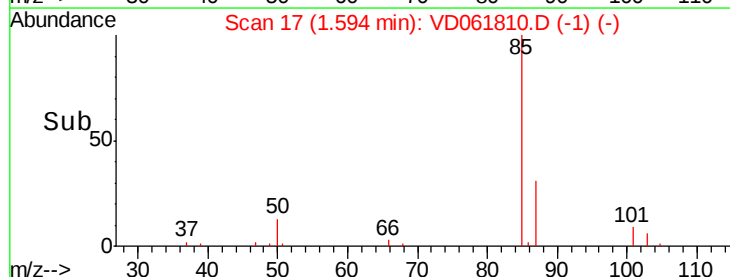
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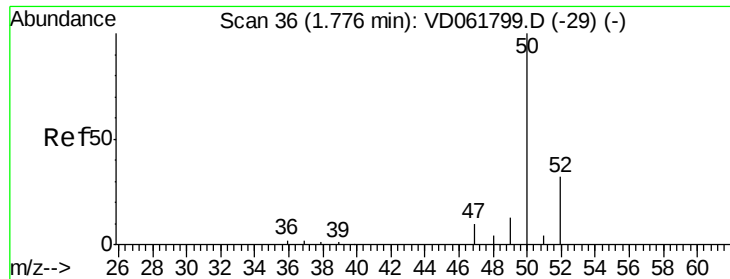
1.50

1.60

1.70

1.80

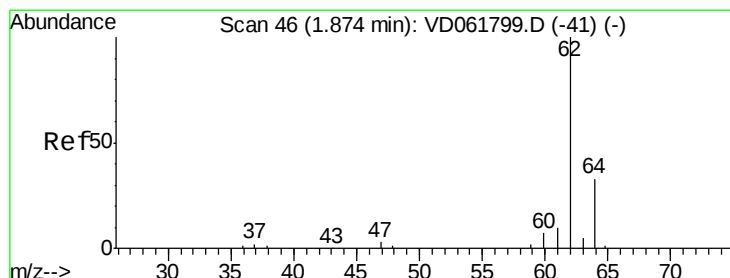
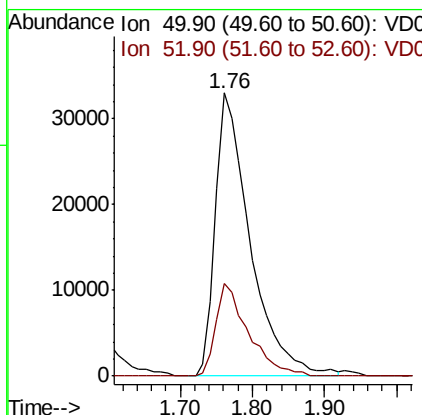
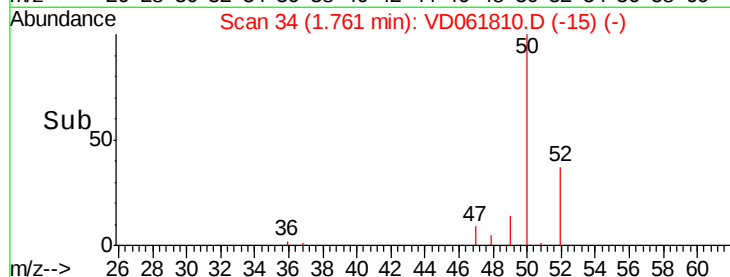
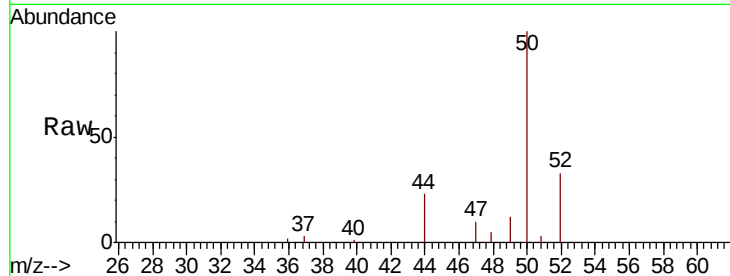




#3
 Chloromethane
 Concen: 20.499 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

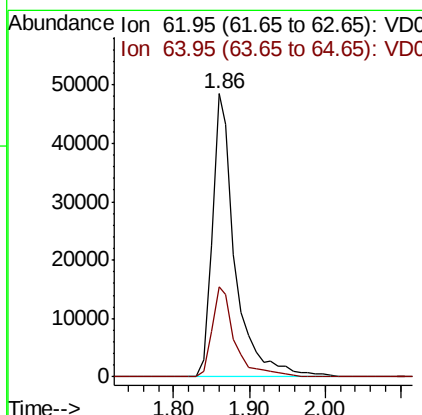
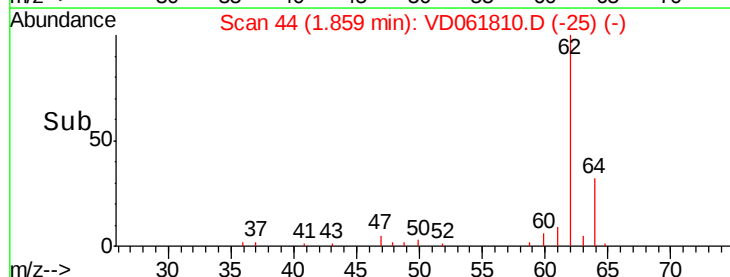
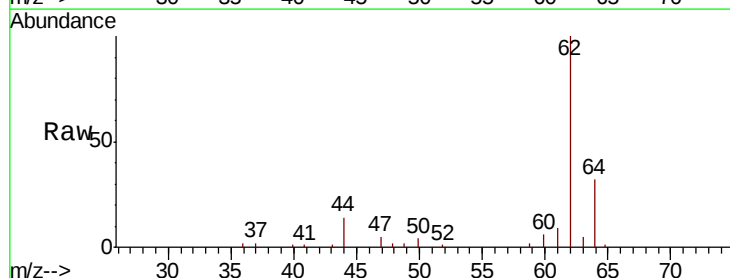
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBSD01

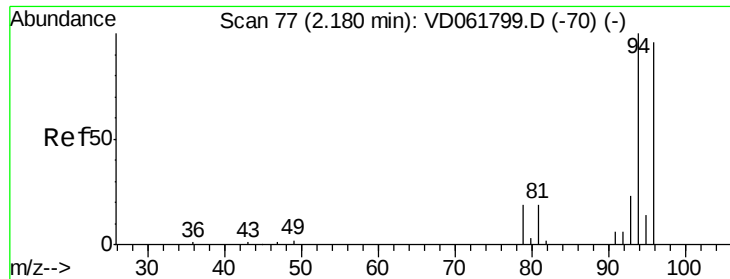
Tgt Ion: 50 Resp: 110524
 Ion Ratio Lower Upper
 50 100
 52 32.9 25.2 37.8



#4
 Vinyl Chloride
 Concen: 19.134 ug/l
 RT: 1.86 min Scan# 44
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 62 Resp: 102388
 Ion Ratio Lower Upper
 62 100
 64 32.0 26.5 39.7





#5

Bromomethane

Concen: 15.939 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBSD01

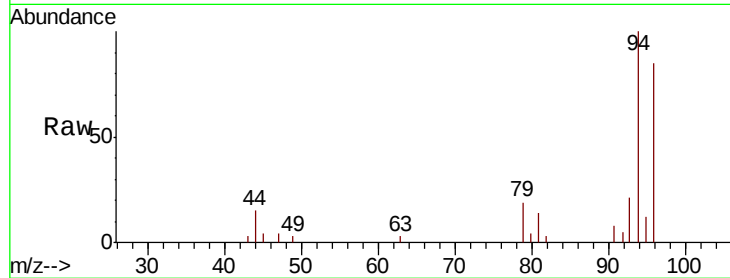
Tgt Ion: 94 Resp: 22092

Ion Ratio Lower Upper

94 100

96 85.4 76.6 115.0

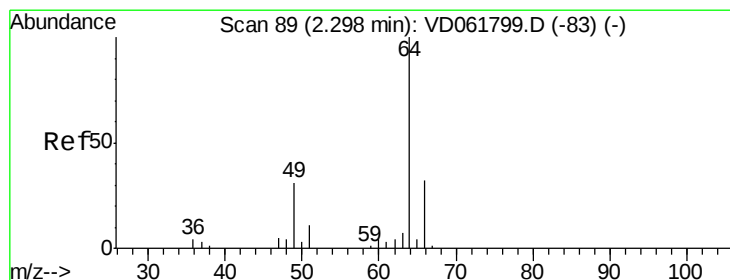
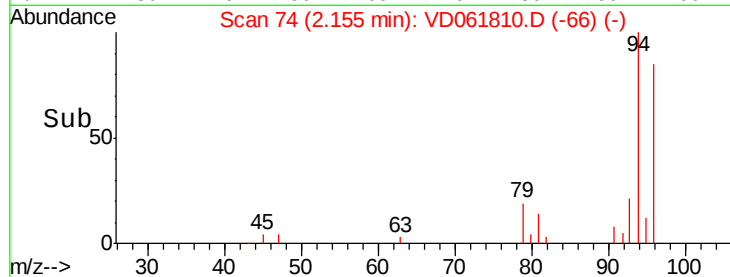
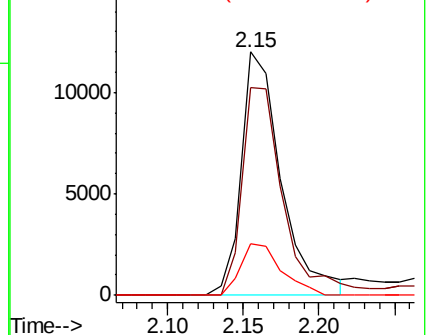
93 21.2 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.017 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.02 min

Lab File: VD061810.D

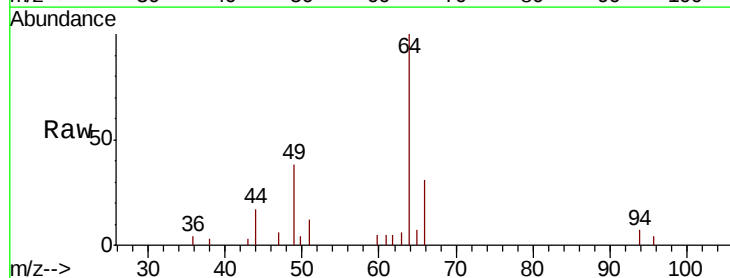
Acq: 16 Apr 2019 14:43

Tgt Ion: 64 Resp: 34714

Ion Ratio Lower Upper

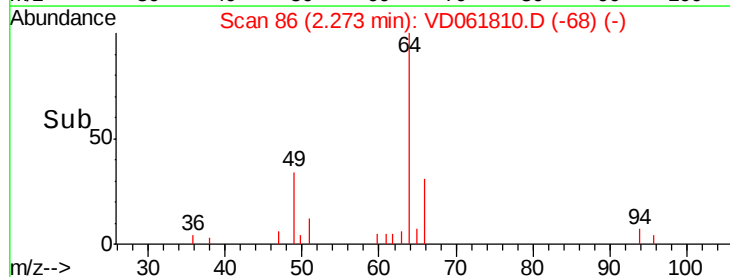
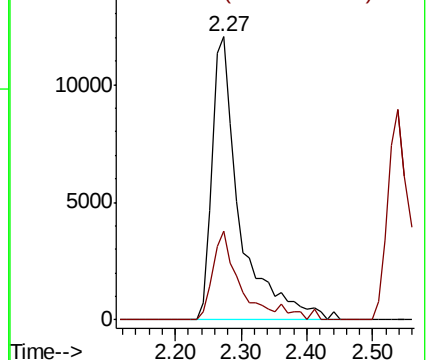
64 100

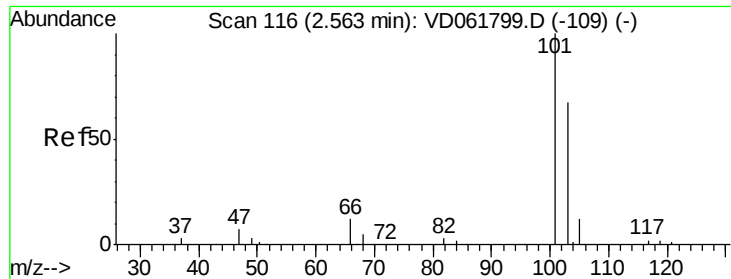
66 31.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



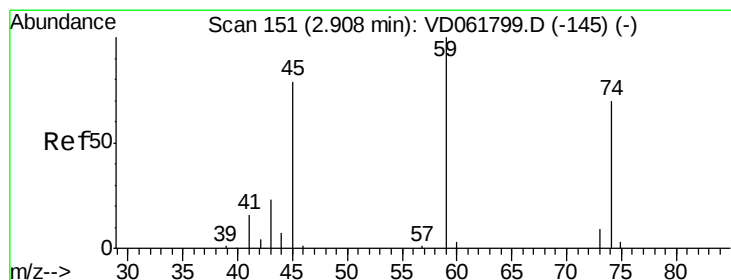
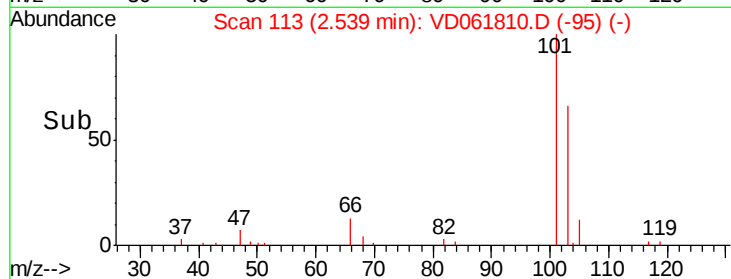
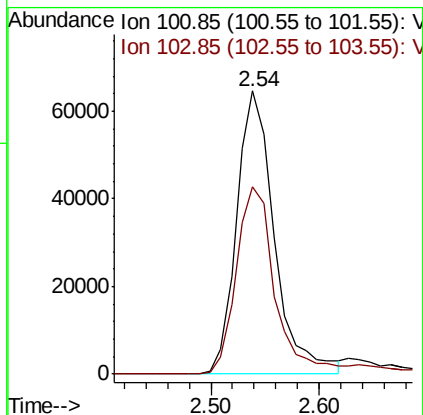
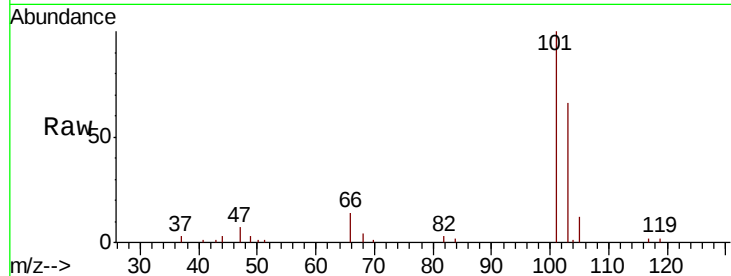


#7

Trichlorofluoromethane
 Concen: 18.033 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

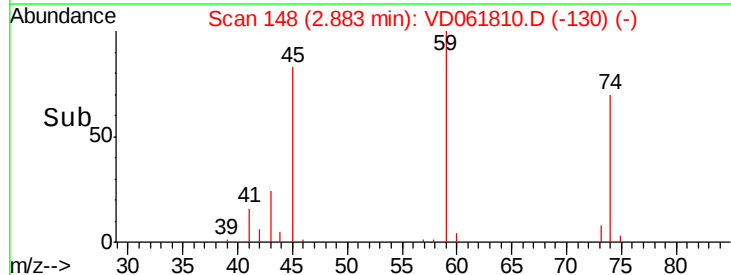
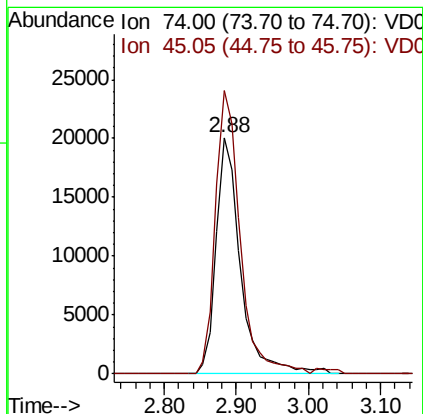
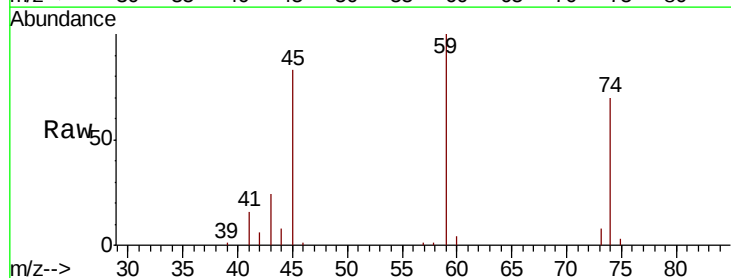
Tgt Ion: 101 Resp: 156496
 Ion Ratio Lower Upper
 101 100
 103 66.1 53.6 80.4

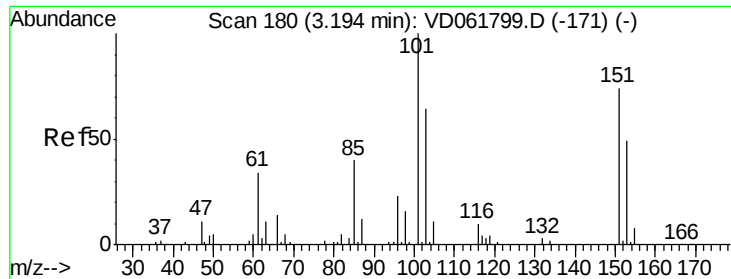


#8

Diethyl Ether
 Concen: 20.521 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 74 Resp: 46672
 Ion Ratio Lower Upper
 74 100
 45 119.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.483 ug/l

RT: 3.17 min Scan# 177

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

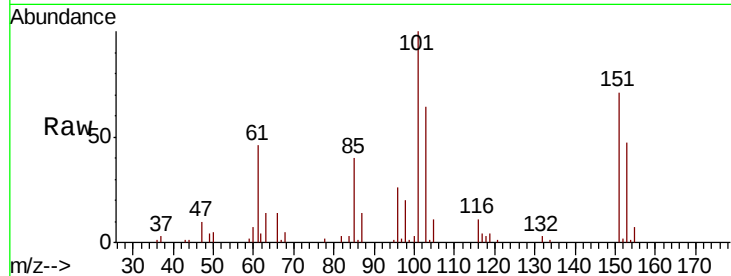
Tgt Ion:101 Resp: 158502

Ion Ratio Lower Upper

101 100

85 40.3 32.4 48.6

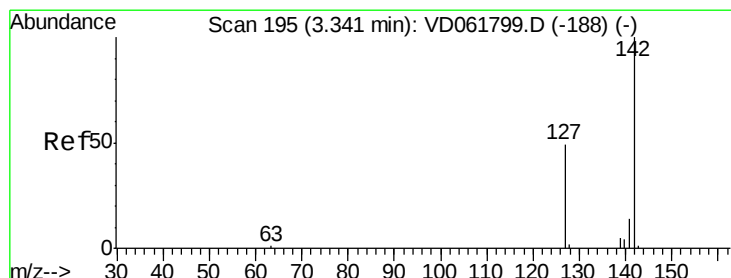
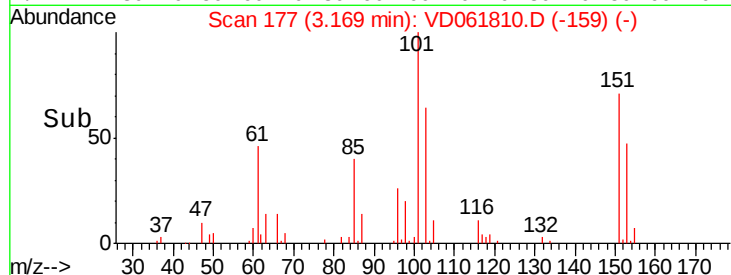
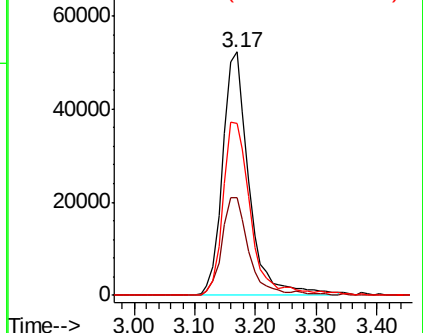
151 70.7 59.4 89.0



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: 18.408 ug/l

RT: 3.33 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

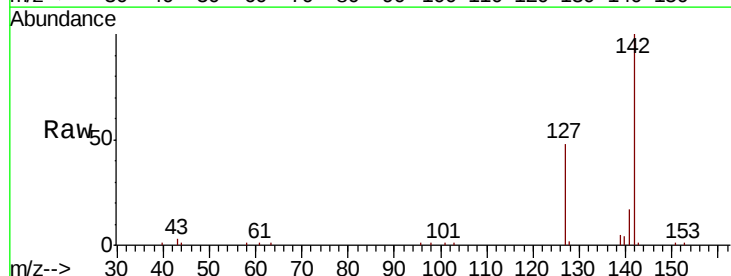
Tgt Ion:142 Resp: 197895

Ion Ratio Lower Upper

142 100

127 48.4 38.8 58.2

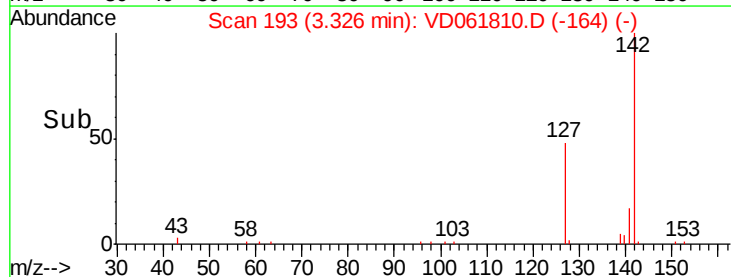
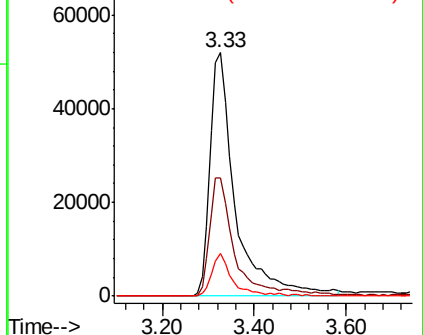
141 17.3 11.4 17.0#

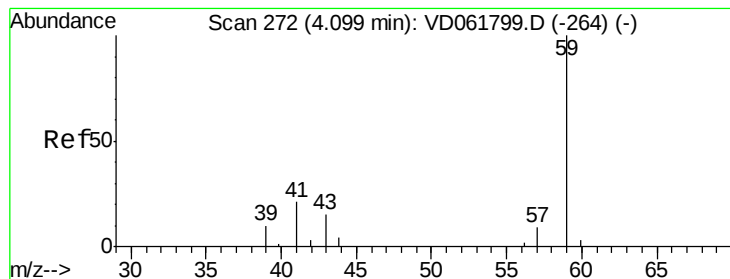


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



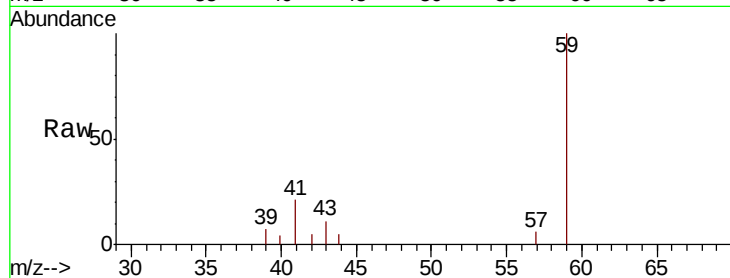


#11

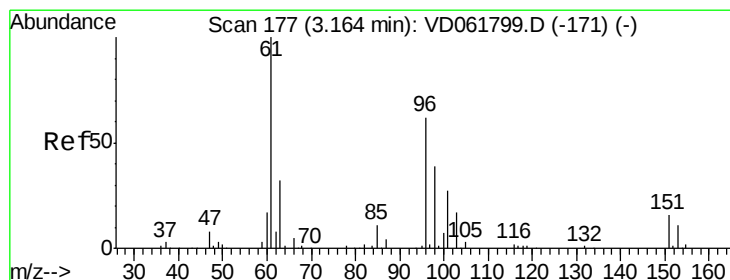
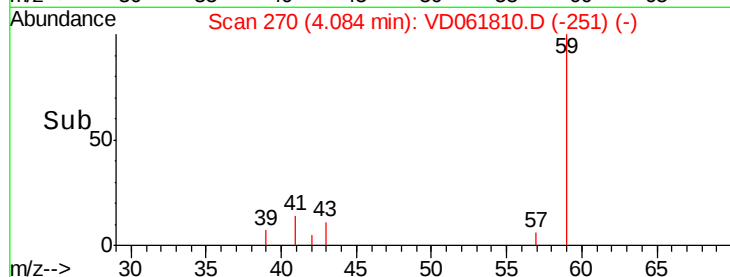
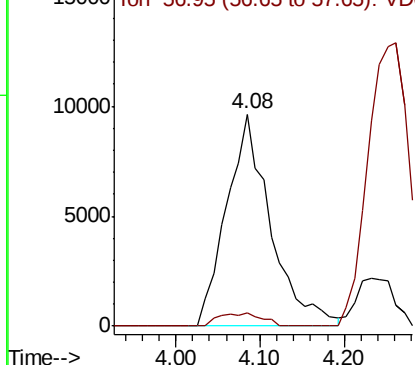
Tert butyl alcohol
 Concen: 102.159 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBSD01

Tgt Ion: 59 Resp: 34998
 Ion Ratio Lower Upper
 59 100
 57 6.1 6.9 10.3#



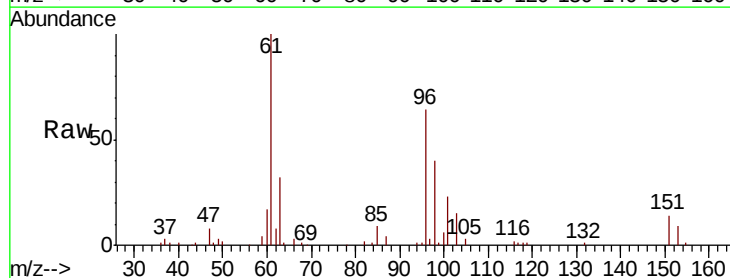
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



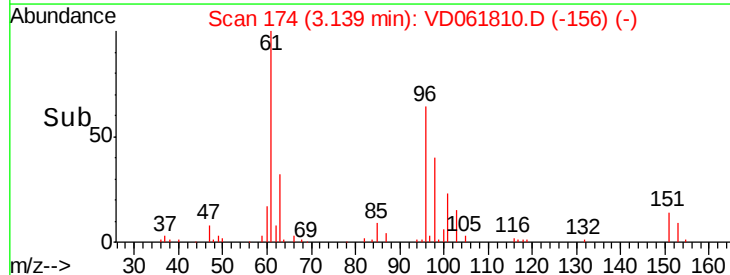
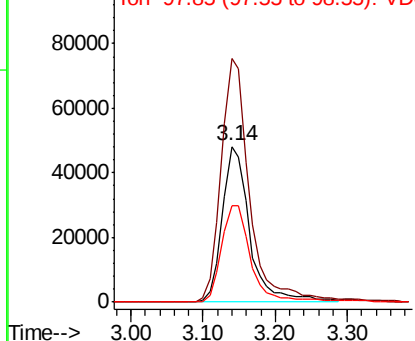
#12

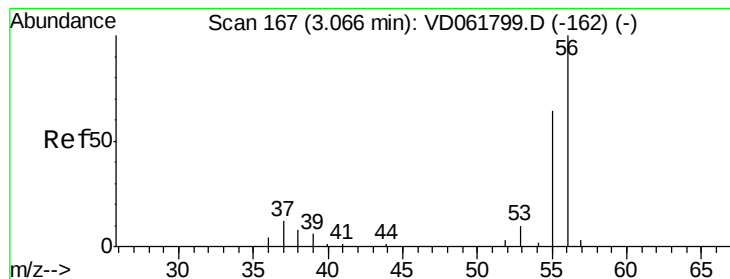
1,1-Dichloroethene
 Concen: 19.634 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 96 Resp: 127730
 Ion Ratio Lower Upper
 96 100
 61 156.3 129.8 194.8
 98 61.9 51.2 76.8



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: 98.956 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

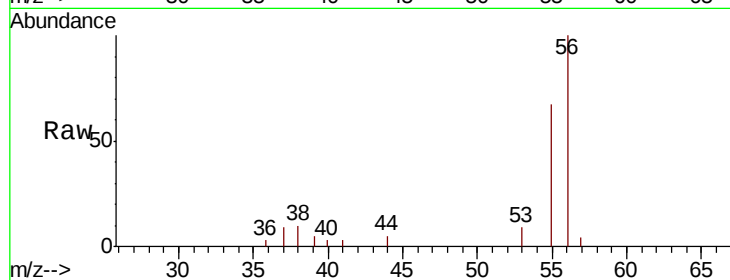
VD0416SBS01

Tgt Ion: 56 Resp: 32819

Ion Ratio Lower Upper

56 100

55 67.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

10000

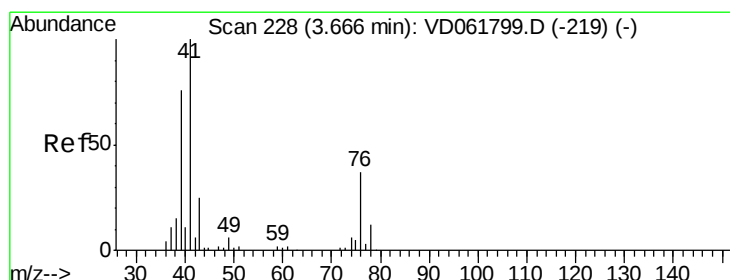
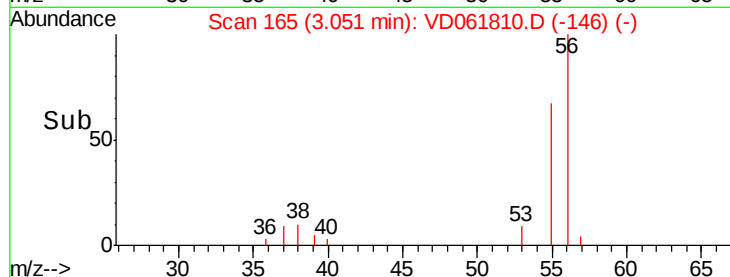
5000

0

Time-->

3.00 3.10 3.20

3.05



#14

Allyl chloride

Concen: 20.097 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

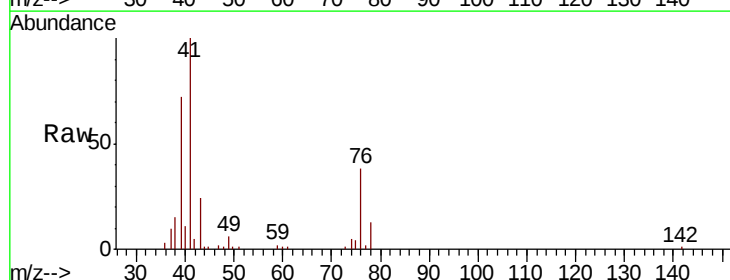
Tgt Ion: 41 Resp: 178206

Ion Ratio Lower Upper

41 100

39 71.7 60.5 90.7

76 38.4 31.8 47.8



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

80000

60000

40000

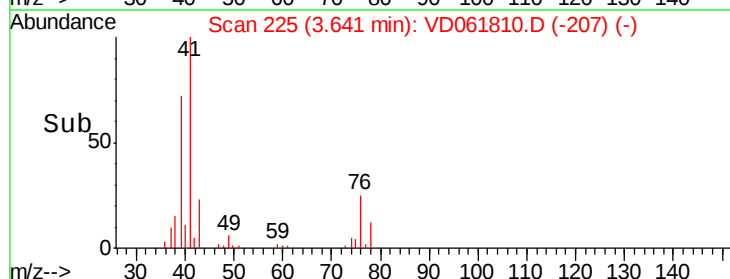
20000

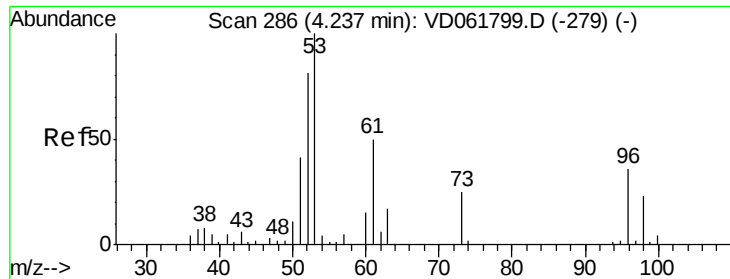
0

Time-->

3.50 3.60 3.70 3.80

3.64





#15

Acrylonitrile

Concen: 102.855 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

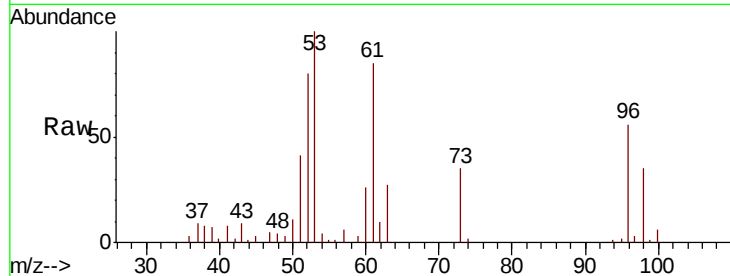
Tgt Ion: 53 Resp: 110621

Ion Ratio Lower Upper

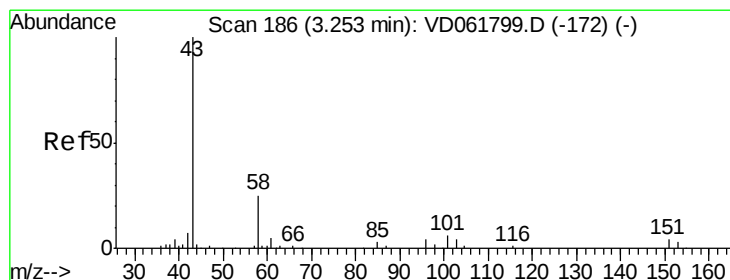
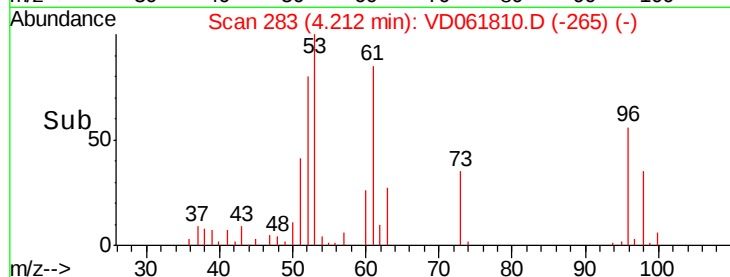
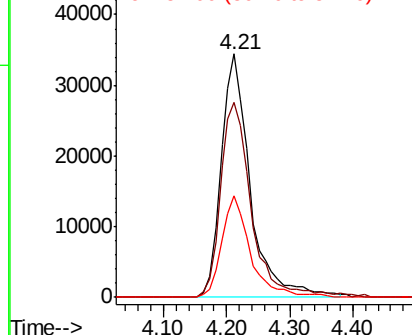
53 100

52 80.2 65.0 97.4

51 41.5 32.6 48.8



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



#16

Acetone

Concen: 89.506 ug/l

RT: 3.24 min Scan# 184

Delta R.T. -0.01 min

Lab File: VD061810.D

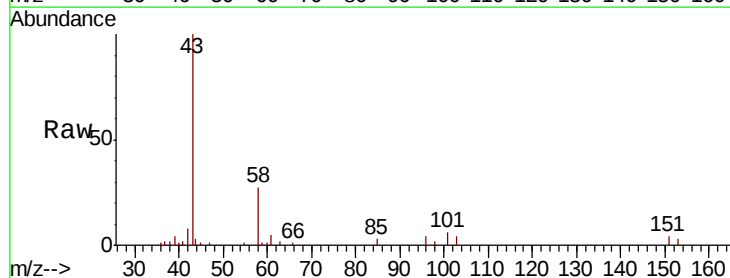
Acq: 16 Apr 2019 14:43

Tgt Ion: 43 Resp: 128151

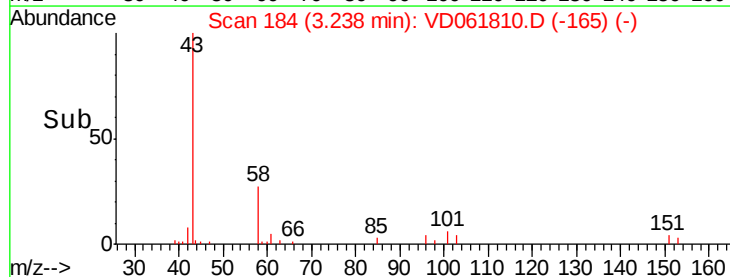
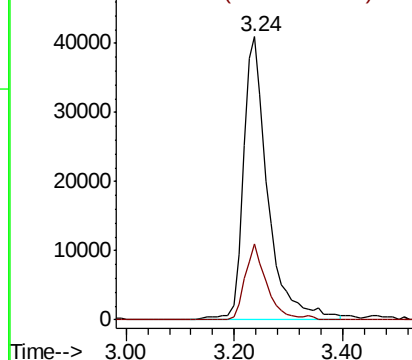
Ion Ratio Lower Upper

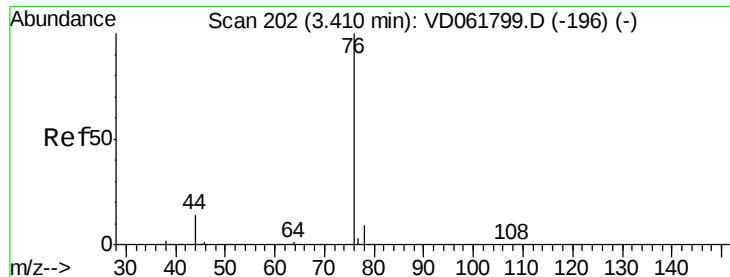
43 100

58 27.0 19.9 29.9



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

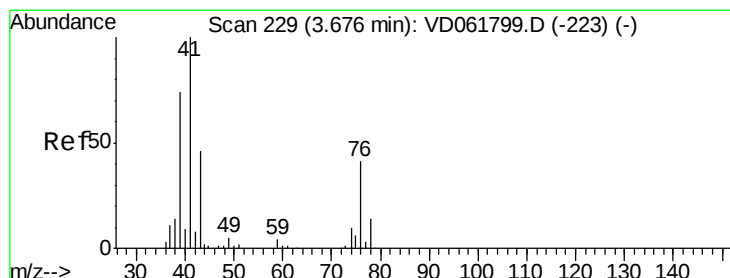
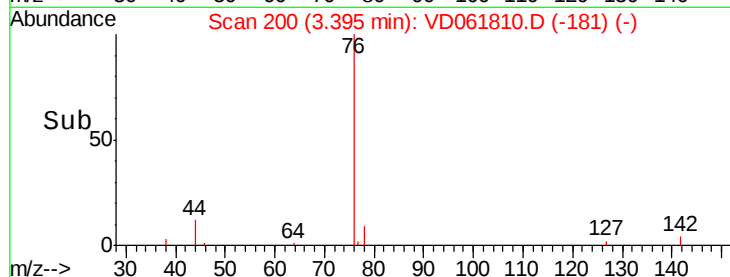
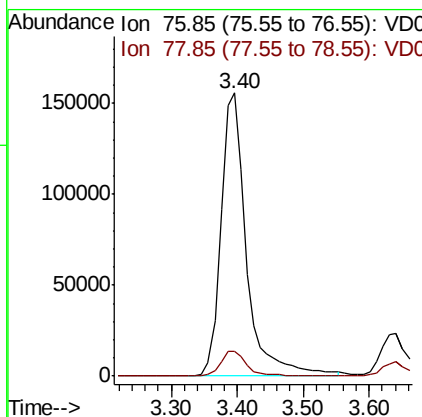
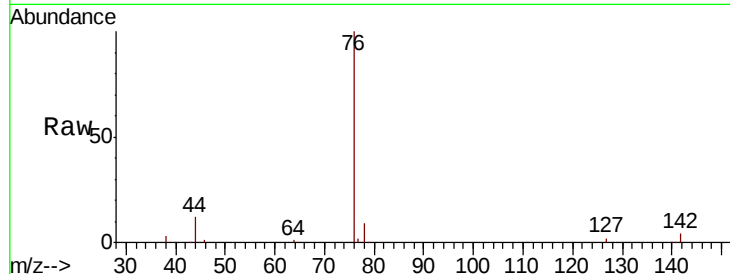




#17
Carbon Disulfide
Concen: 20.008 ug/l
RT: 3.40 min Scan# 200
Delta R.T. -0.01 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

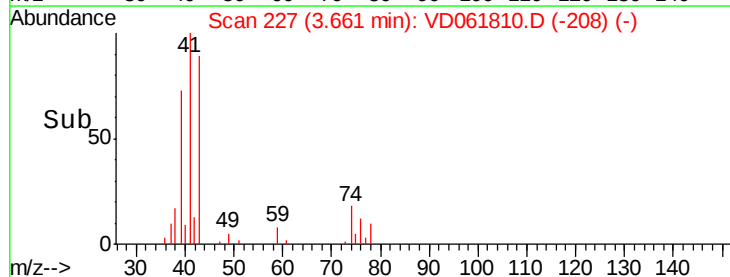
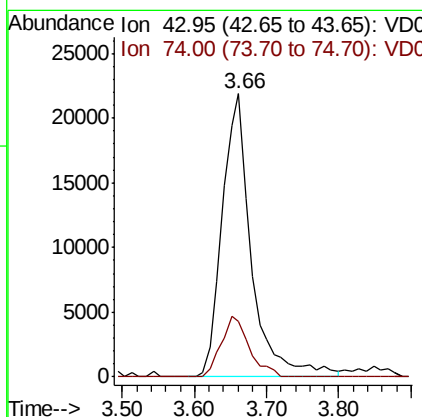
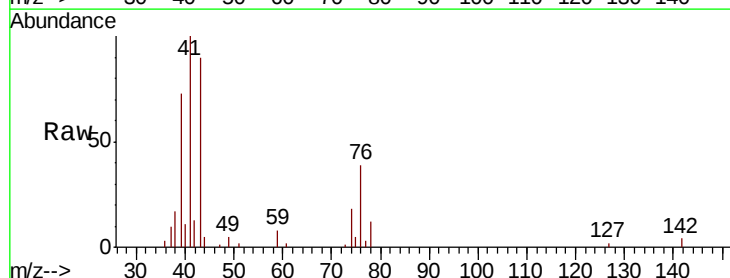
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBSD01

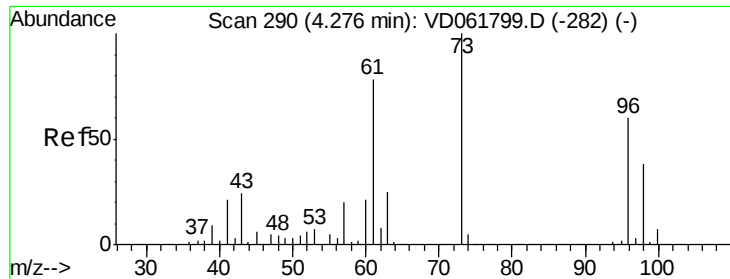
Tgt Ion: 76 Resp: 420557
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 21.341 ug/l
RT: 3.66 min Scan# 227
Delta R.T. -0.01 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 43 Resp: 61242
Ion Ratio Lower Upper
43 100
74 19.5 18.0 27.0

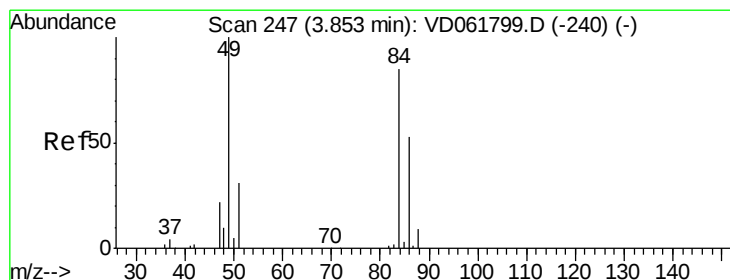
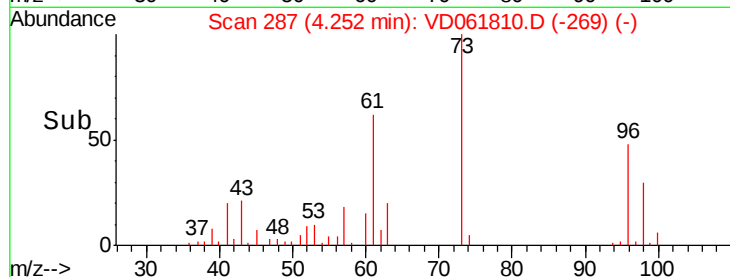
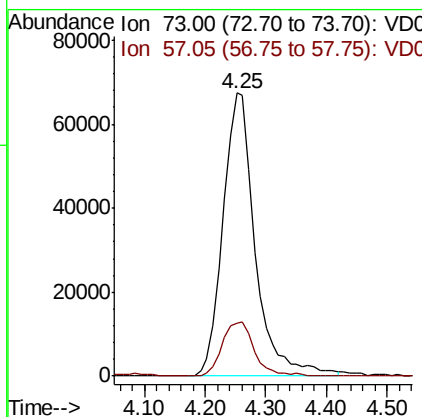
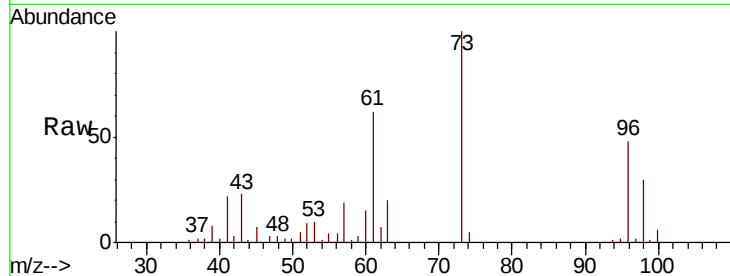




#19
Methyl tert-butyl Ether
Concen: 20.483 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

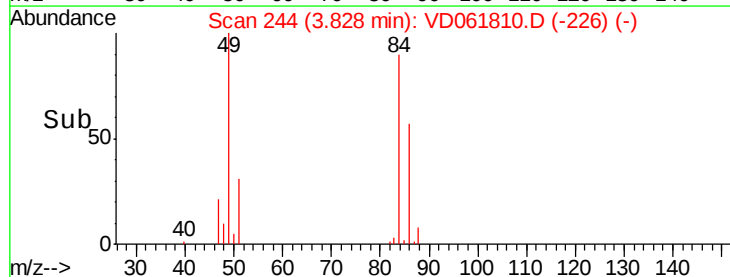
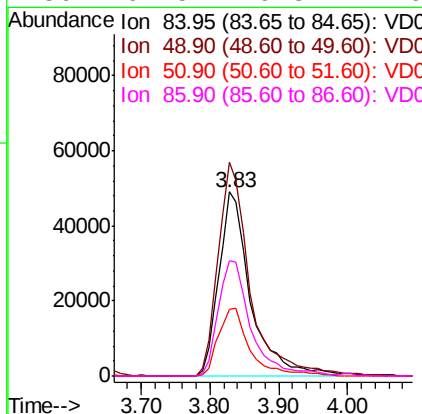
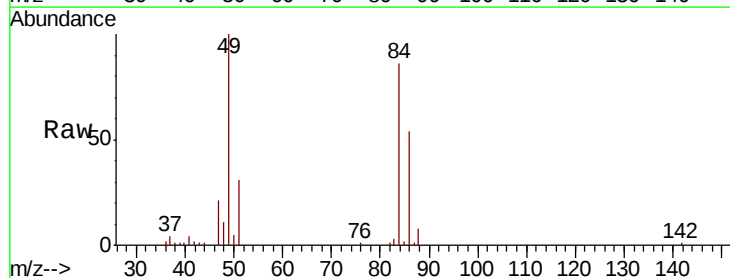
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

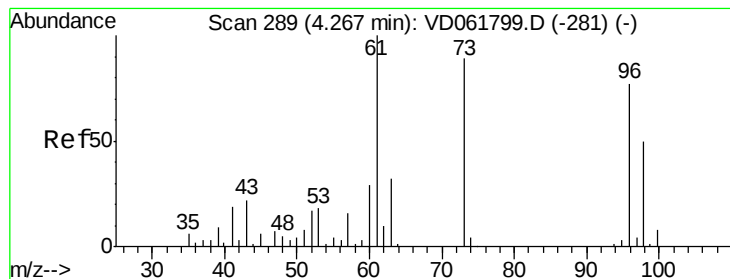
Tgt Ion: 73 Resp: 248673
Ion Ratio Lower Upper
73 100
57 18.9 16.3 24.5



#20
Methylene Chloride
Concen: 19.166 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 84 Resp: 156533
Ion Ratio Lower Upper
84 100
49 116.0 94.0 141.0
51 35.8 29.0 43.4
86 62.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.263 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.03 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

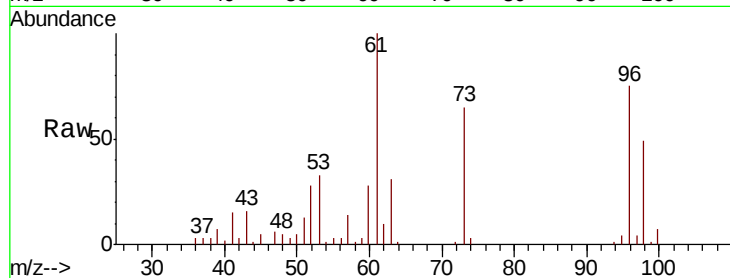
Tgt Ion: 96 Resp: 144863

Ion Ratio Lower Upper

96 100

61 133.0 104.4 156.6

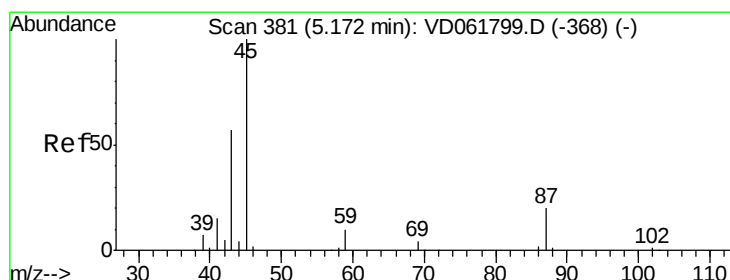
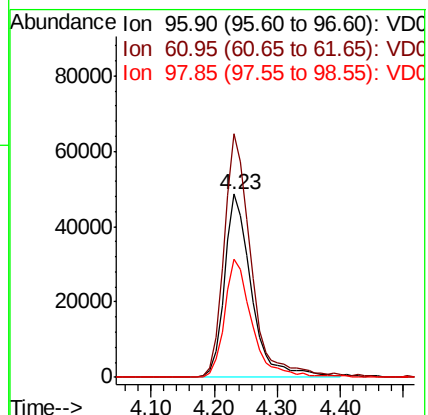
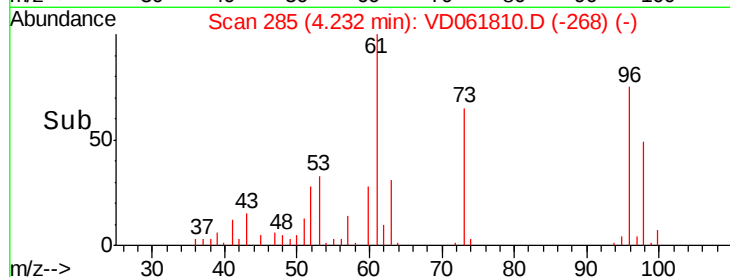
98 64.6 51.8 77.8



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: 22.015 ug/l

RT: 5.14 min Scan# 377

Delta R.T. -0.03 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Tgt Ion: 45 Resp: 417278

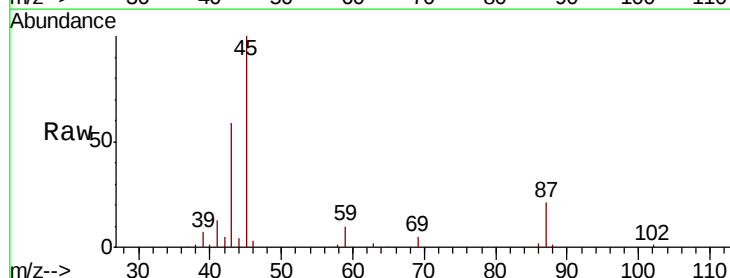
Ion Ratio Lower Upper

45 100

43 59.4 46.2 69.2

87 20.8 15.9 23.9

59 10.1 7.9 11.9

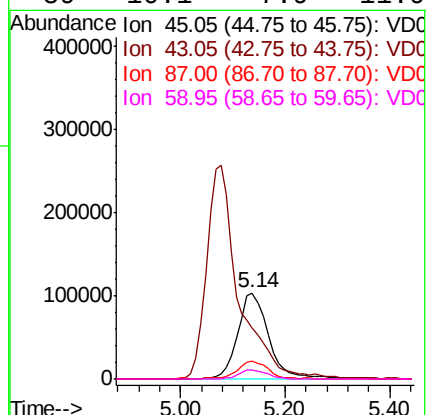
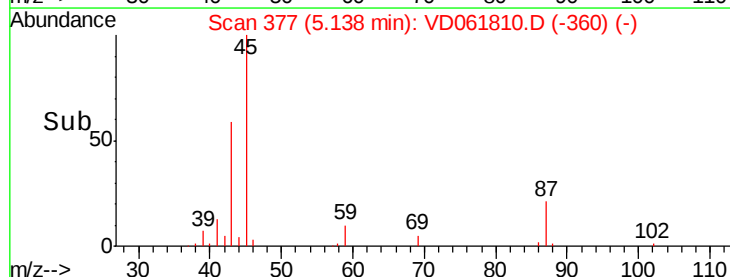


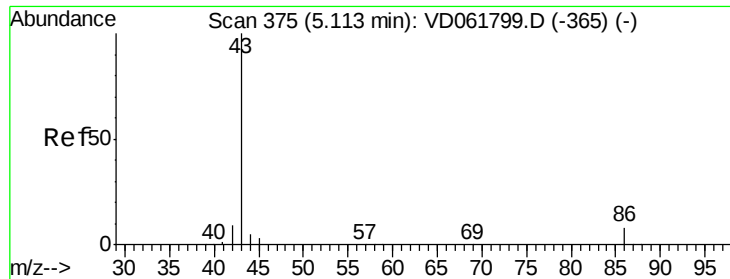
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

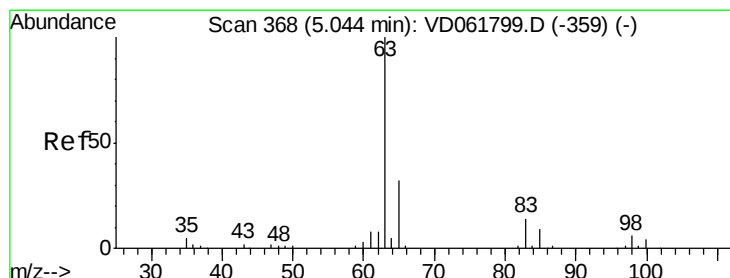
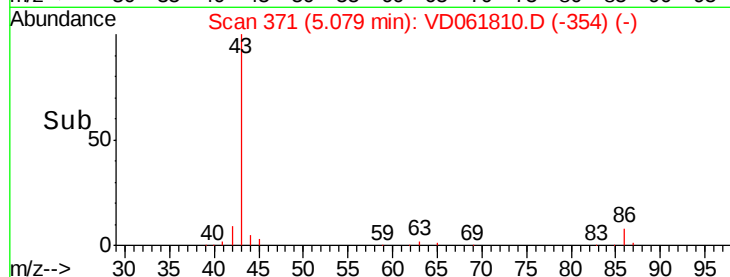
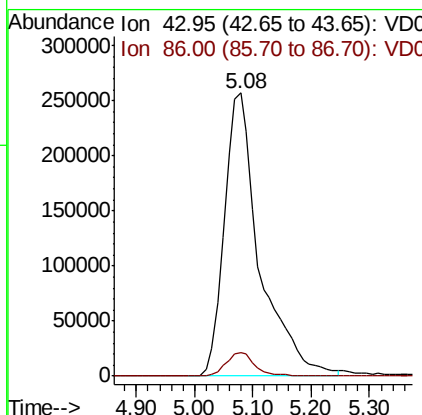
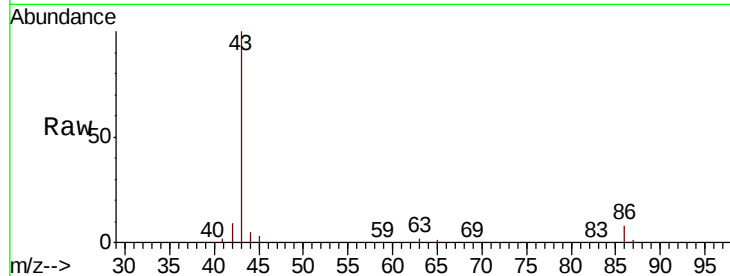




#23
 Vinyl Acetate
 Concen: 106.854 ug/l
 RT: 5.08 min Scan# 371
 Delta R.T. -0.03 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

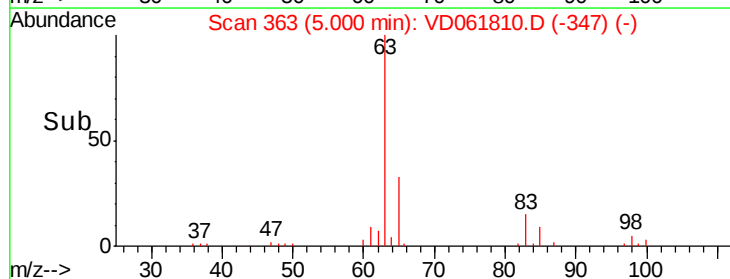
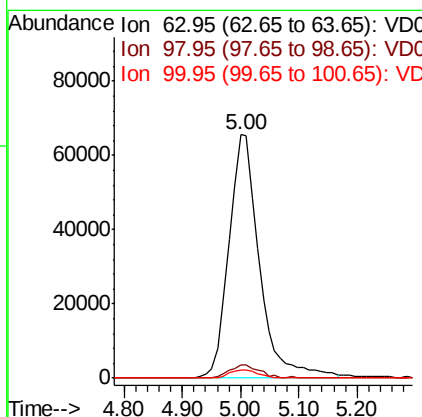
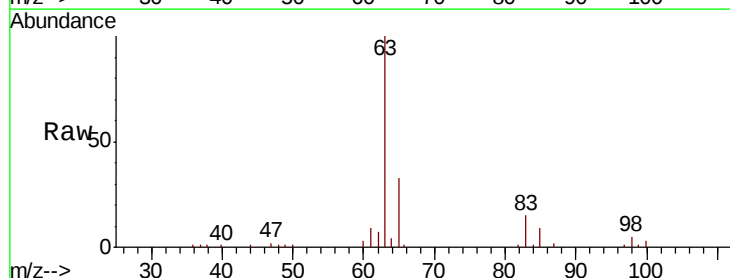
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

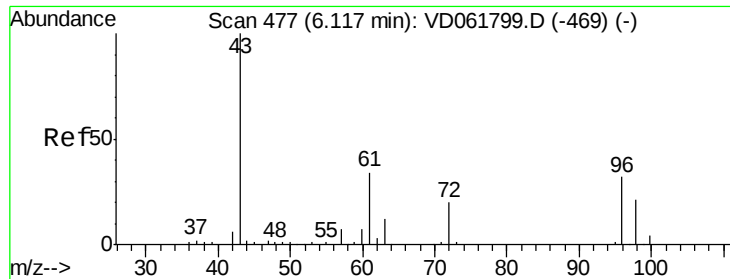
Tgt Ion: 43 Resp: 1082675
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 20.825 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. -0.04 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 63 Resp: 239326
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.8 8.4
 100 3.2 1.8 5.5





#25

2-Butanone

Concen: 102.682 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.03 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

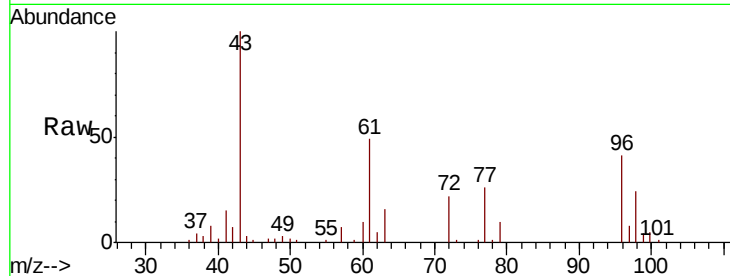
VD0416SBS01

Tgt Ion: 43 Resp: 167373

Ion Ratio Lower Upper

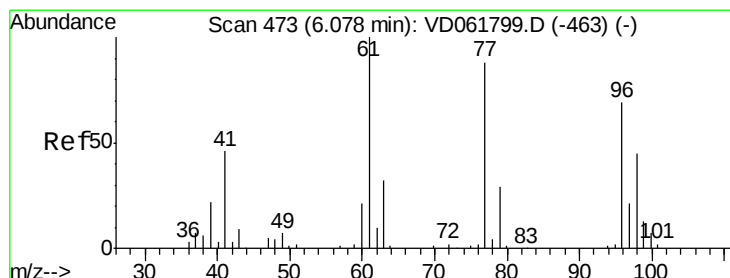
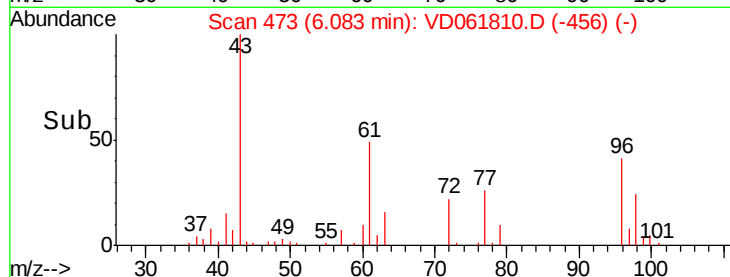
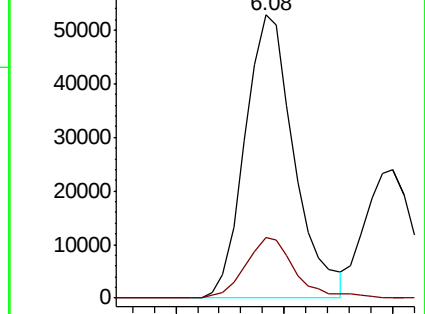
43 100

72 21.6 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.733 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD061810.D

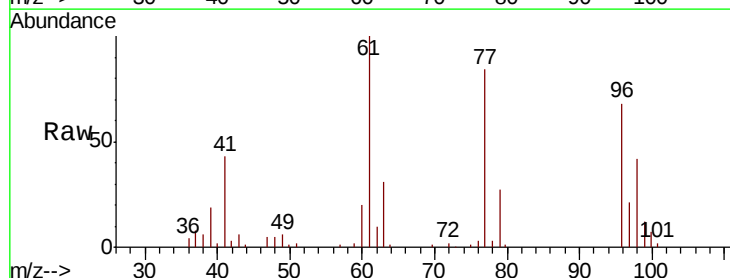
Acq: 16 Apr 2019 14:43

Tgt Ion: 77 Resp: 205938

Ion Ratio Lower Upper

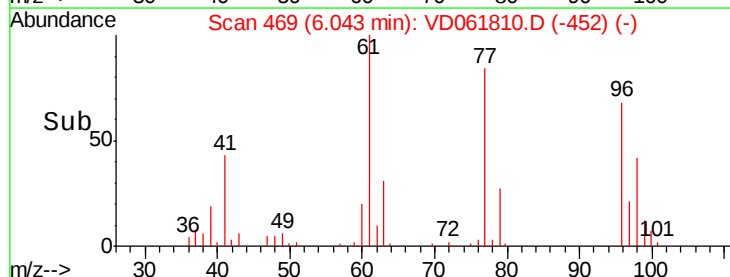
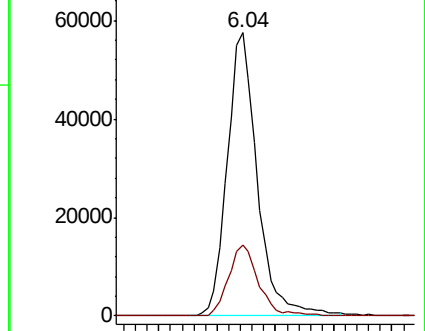
77 100

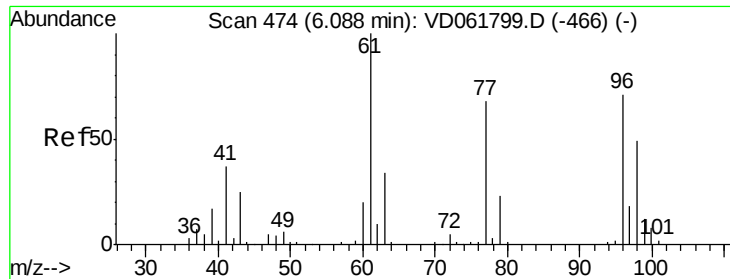
97 25.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



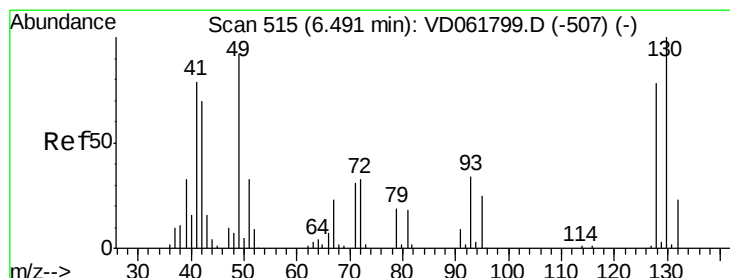
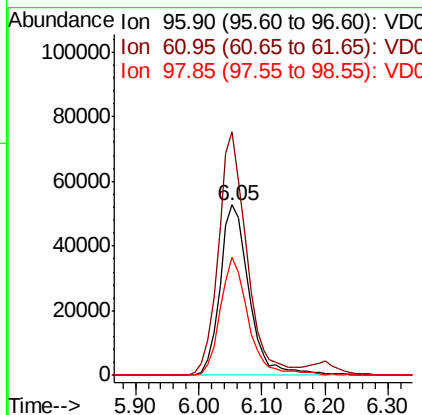
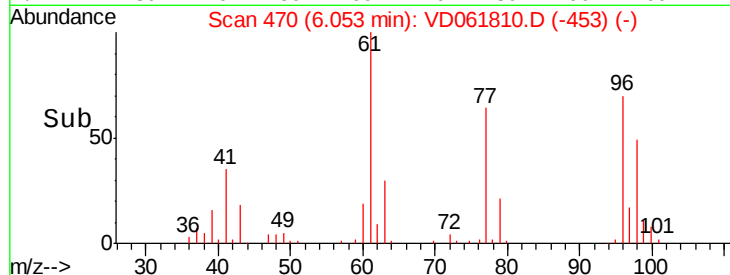
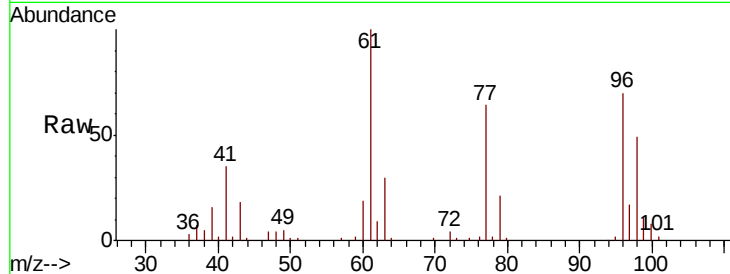


#27

cis-1,2-Dichloroethene
 Concen: 21.865 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.03 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBSD01

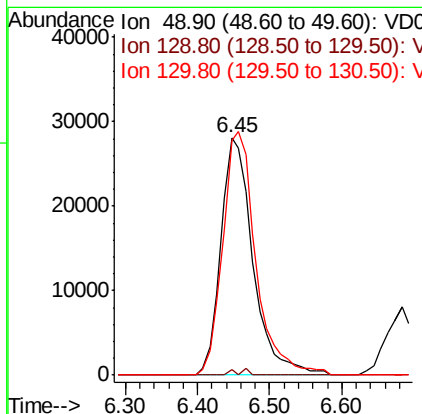
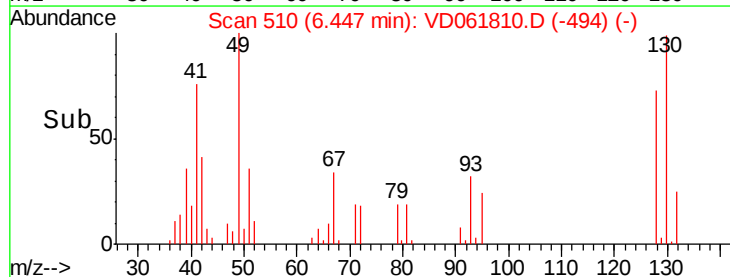
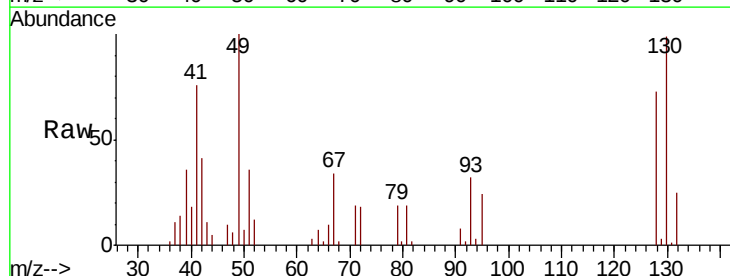
Tgt Ion: 96 Resp: 169459
 Ion Ratio Lower Upper
 96 100
 61 142.8 0.0 279.8
 98 69.3 0.0 136.0



#28

Bromochloromethane
 Concen: 19.886 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.04 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 49 Resp: 86806
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 6.6
 130 98.9 86.7 130.1

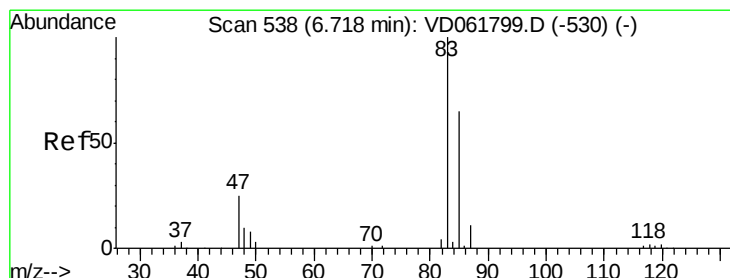
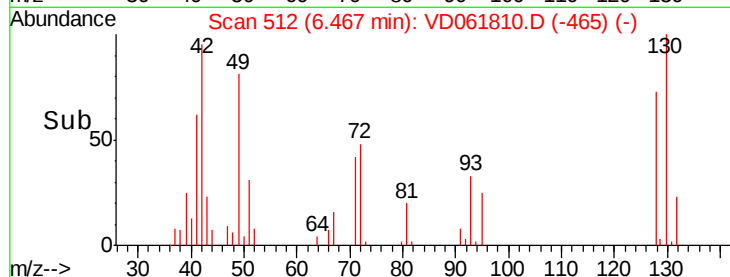
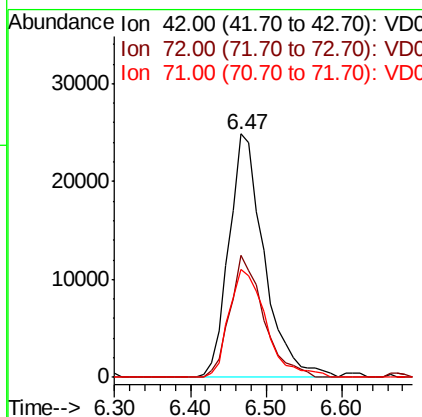
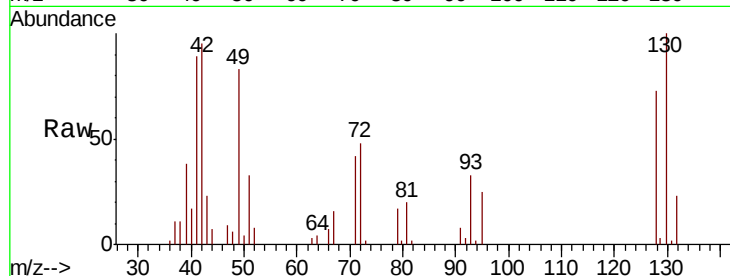




#29
Tetrahydrofuran
Concen: 101.099 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.03 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

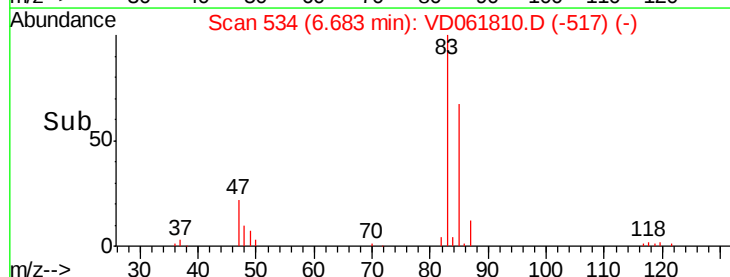
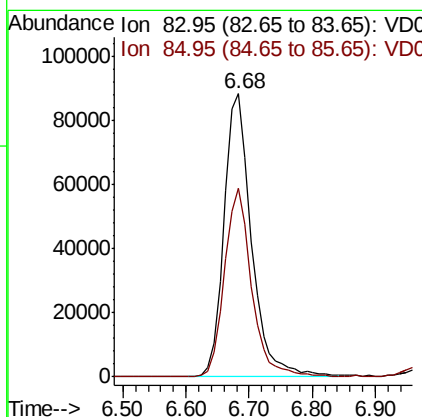
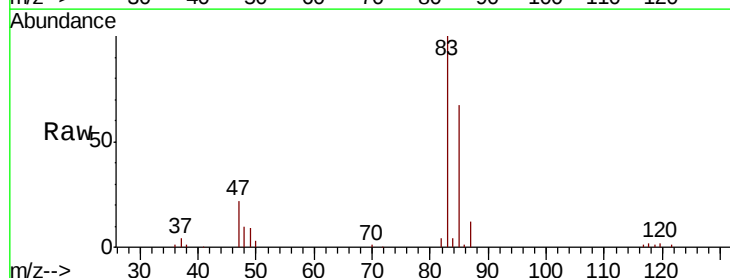
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

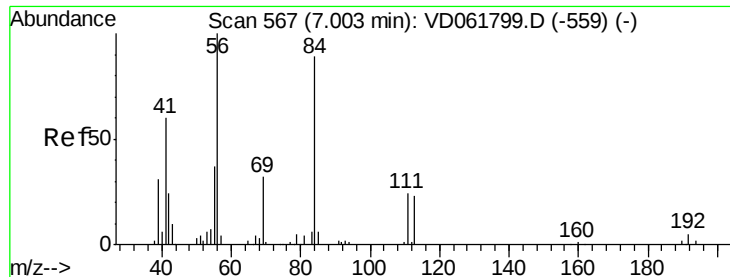
Tgt Ion: 42 Resp: 80273
Ion Ratio Lower Upper
42 100
72 47.6 37.8 56.6
71 46.4 36.7 55.1



#30
Chloroform
Concen: 20.767 ug/l
RT: 6.68 min Scan# 534
Delta R.T. -0.03 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 83 Resp: 266196
Ion Ratio Lower Upper
83 100
85 66.9 51.7 77.5

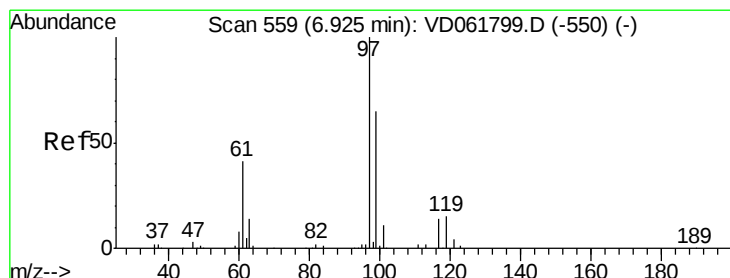
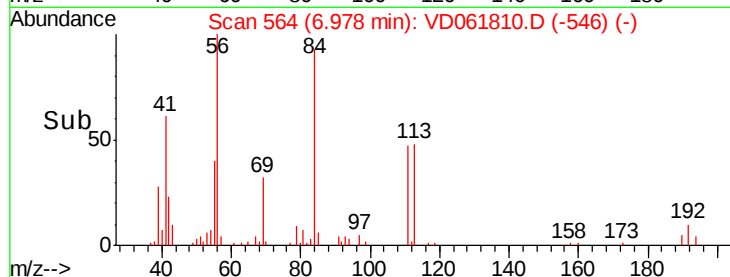
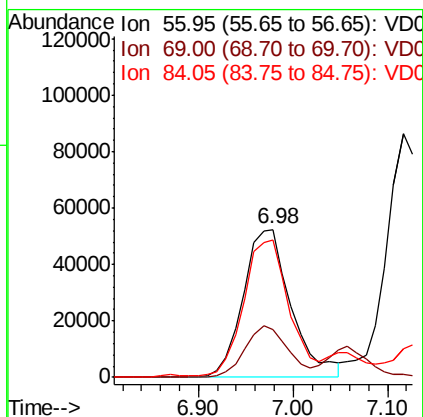
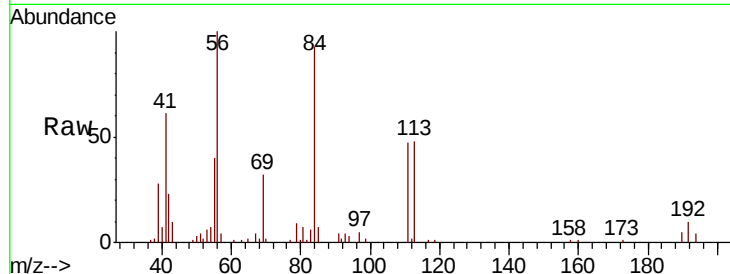




#31
Cyclohexane
Concen: 20.901 ug/l
RT: 6.98 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

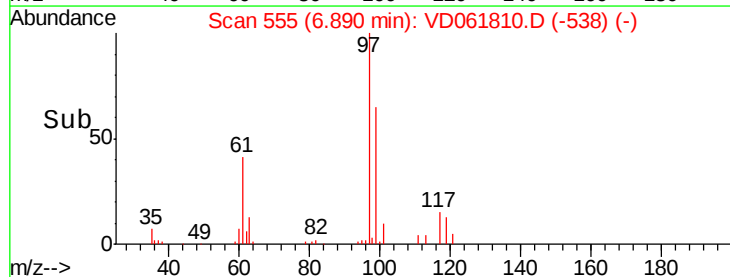
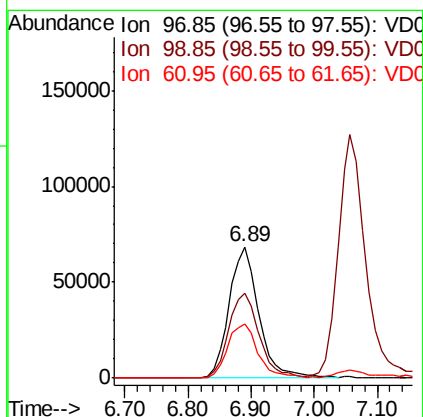
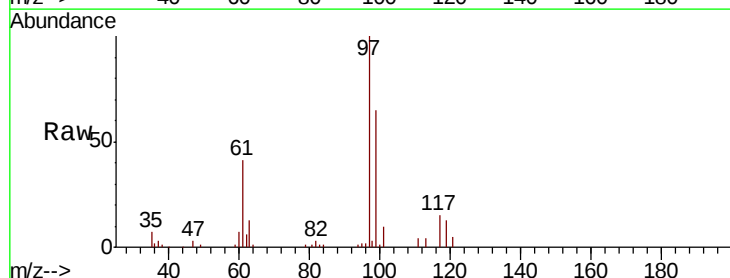
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBSD01

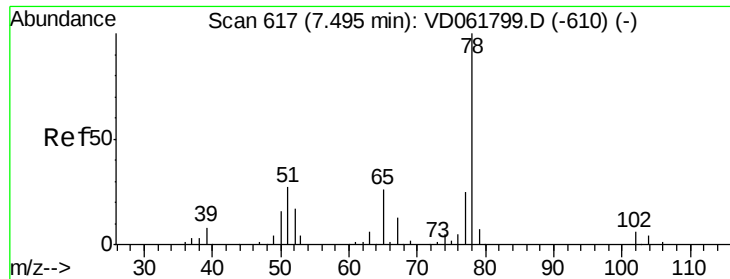
Tgt Ion: 56 Resp: 183879
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.6
84 93.0 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 19.592 ug/l
RT: 6.89 min Scan# 555
Delta R.T. -0.03 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 97 Resp: 222609
Ion Ratio Lower Upper
97 100
99 65.0 52.2 78.2
61 41.3 32.4 48.6

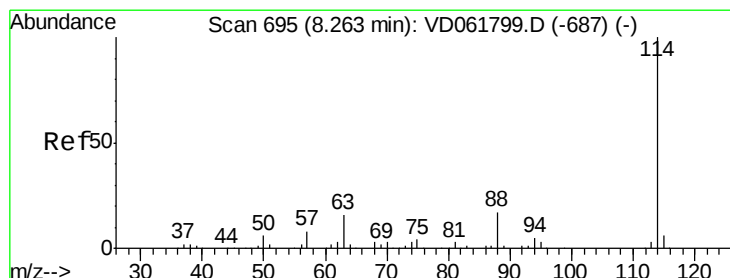
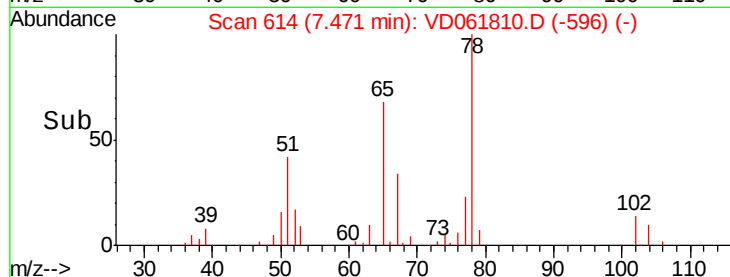
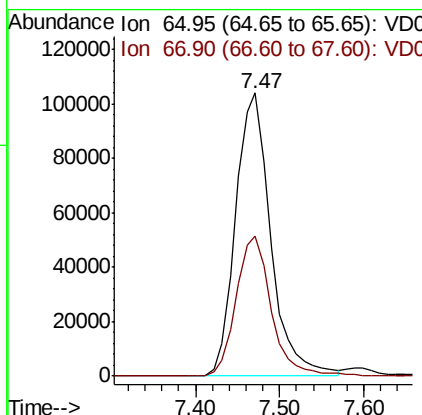
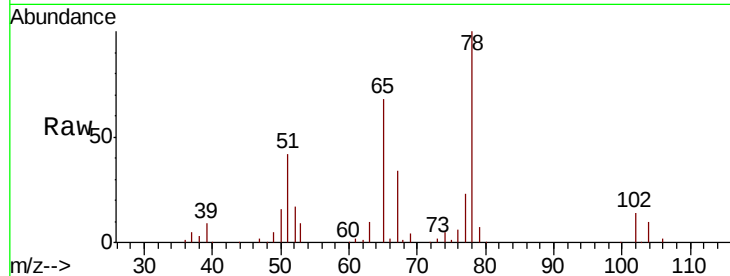




#33
 1,2-Dichloroethane-d4
 Concen: 19.592 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

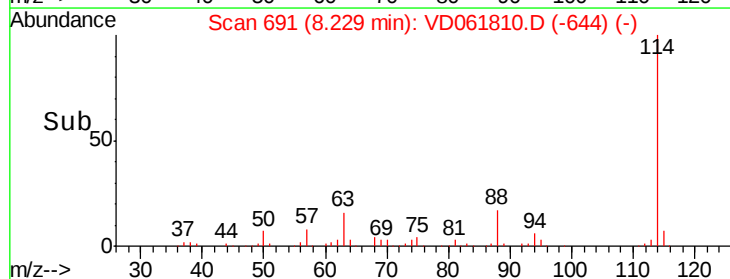
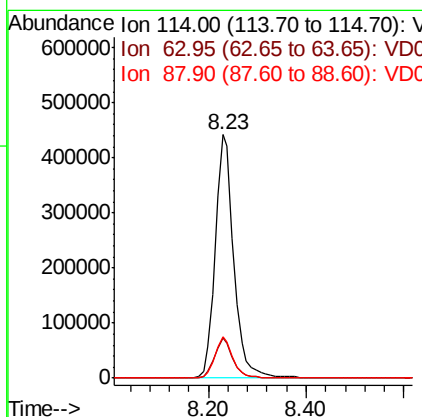
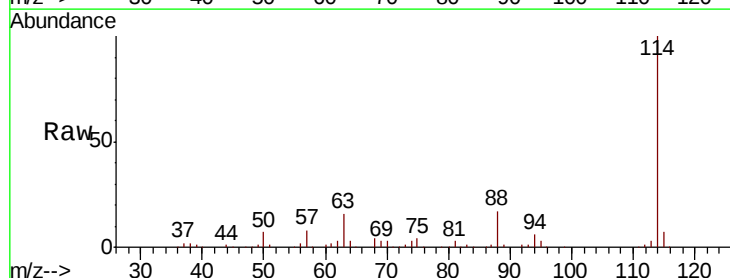
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBSD01

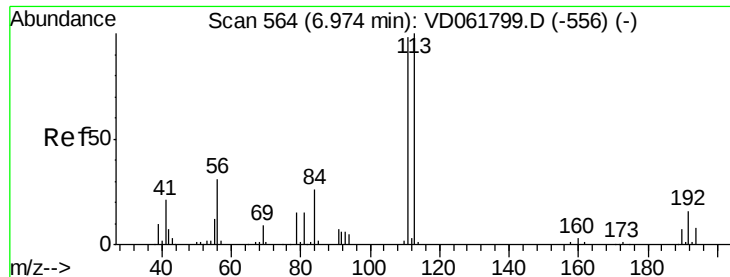
Tgt Ion: 65 Resp: 303599
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.03 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 114 Resp: 1169522
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 32.4
 88 17.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

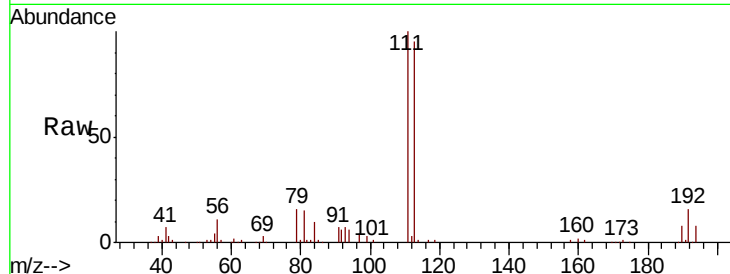
Tgt Ion:113 Resp: 450393

Ion Ratio Lower Upper

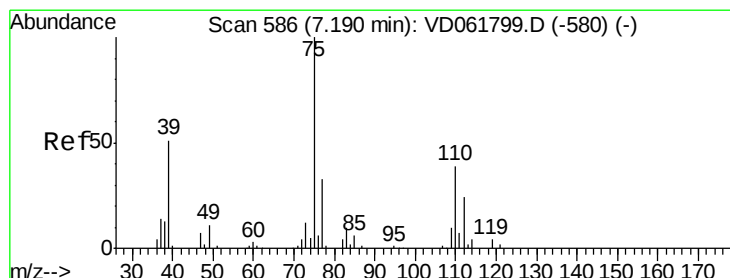
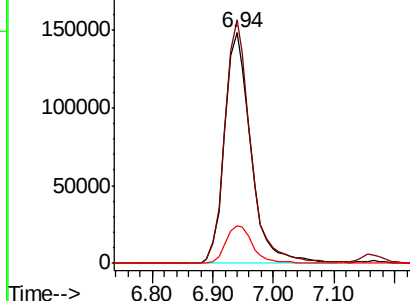
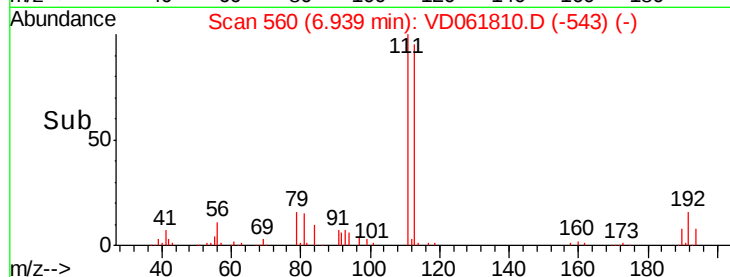
113 100

111 105.7 78.5 117.7

192 16.5 13.0 19.4



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: 21.397 ug/l

RT: 7.17 min Scan# 583

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

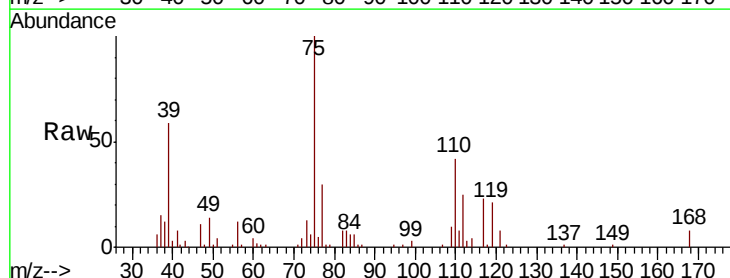
Tgt Ion: 75 Resp: 204486

Ion Ratio Lower Upper

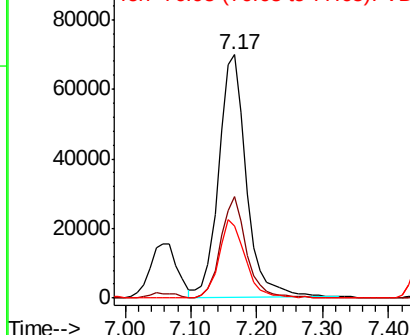
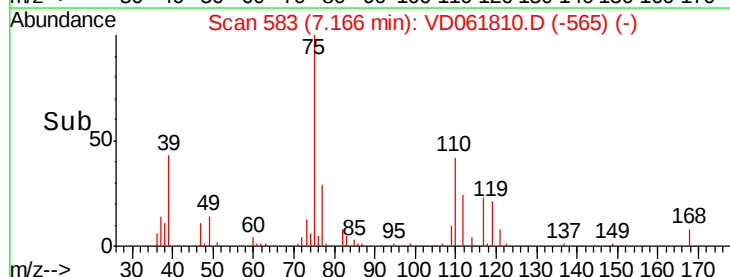
75 100

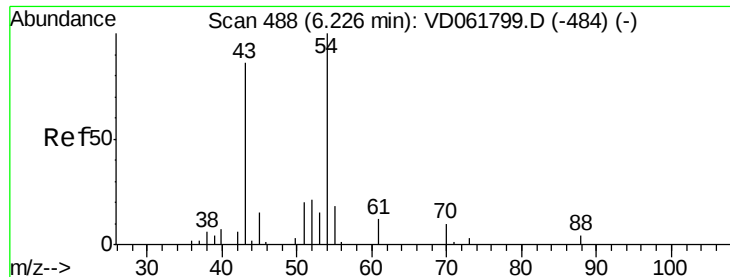
110 41.6 19.1 57.1

77 29.8 25.6 38.4



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

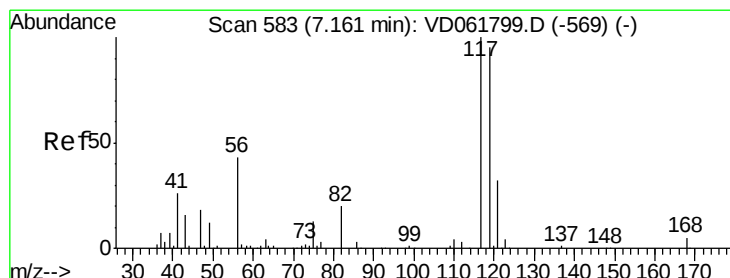
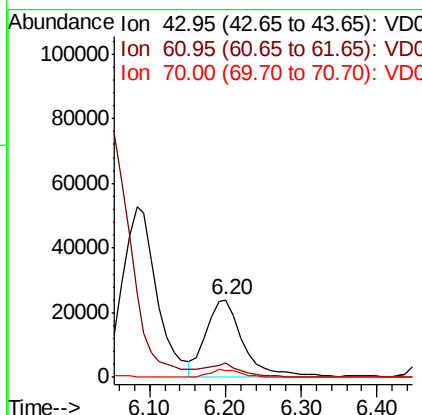
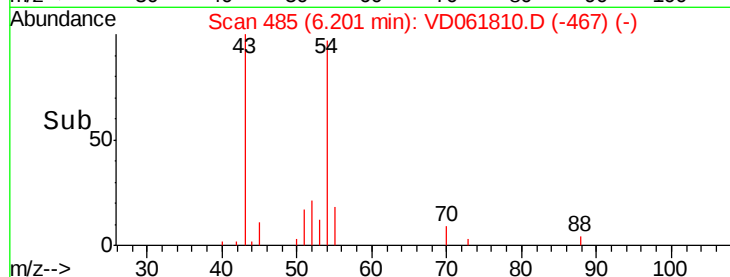
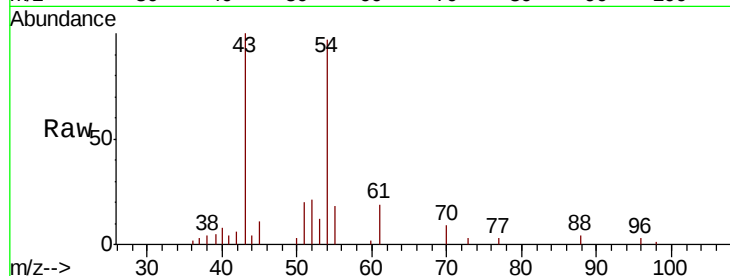




#37
Ethyl Acetate
Concen: 20.257 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

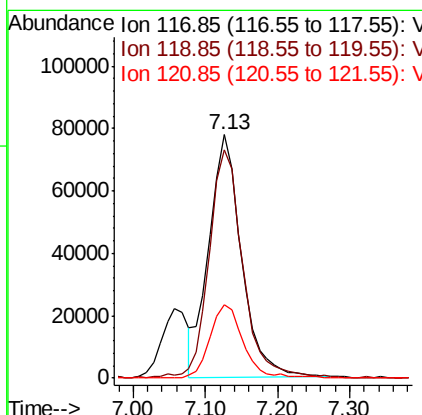
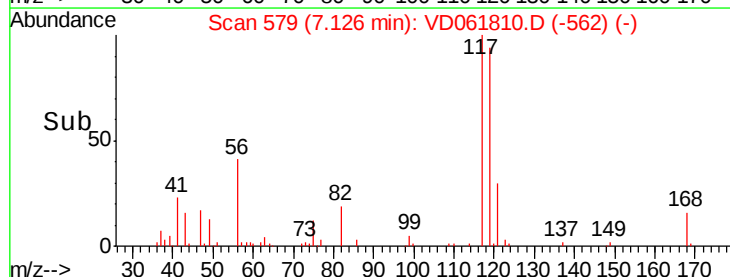
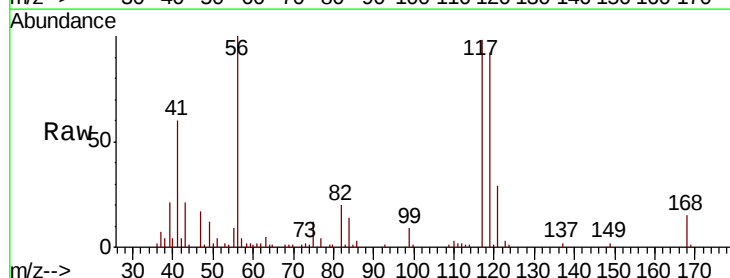
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

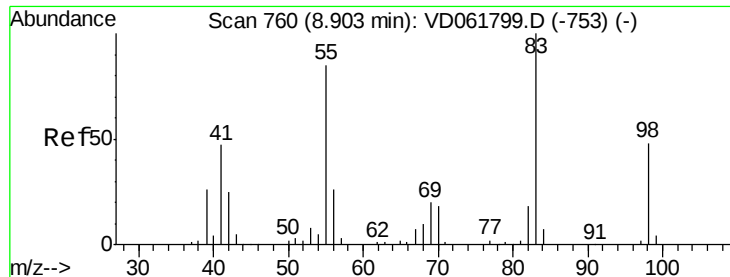
Tgt Ion: 43 Resp: 82857
Ion Ratio Lower Upper
43 100
61 19.2 14.7 22.1
70 9.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 20.289 ug/l
RT: 7.13 min Scan# 579
Delta R.T. -0.03 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 117 Resp: 244844
Ion Ratio Lower Upper
117 100
119 93.6 75.8 113.8
121 30.0 25.9 38.9

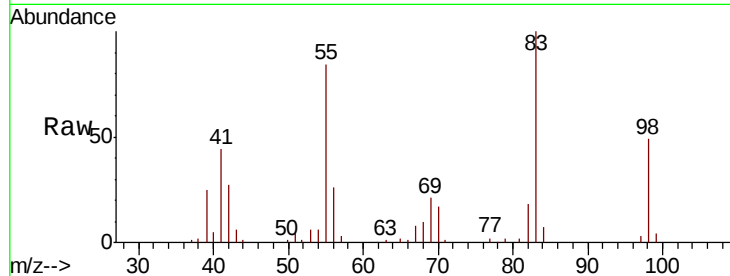




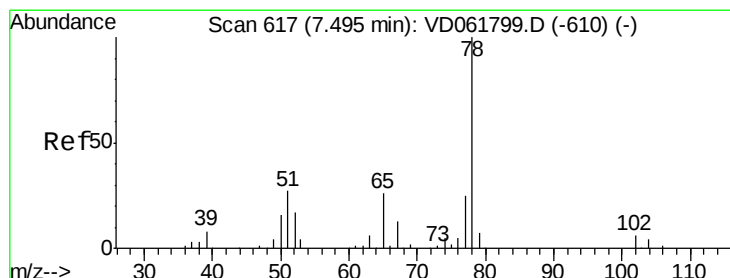
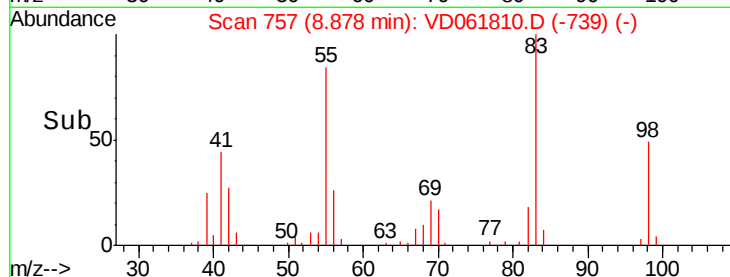
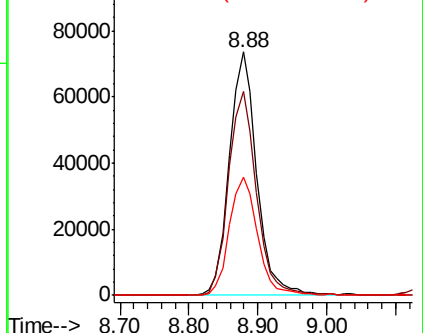
#39
Methylcyclohexane
Concen: 20.484 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBSD01

Tgt Ion: 83 Resp: 203285
Ion Ratio Lower Upper
83 100
55 83.8 68.2 102.4
98 48.6 38.2 57.4

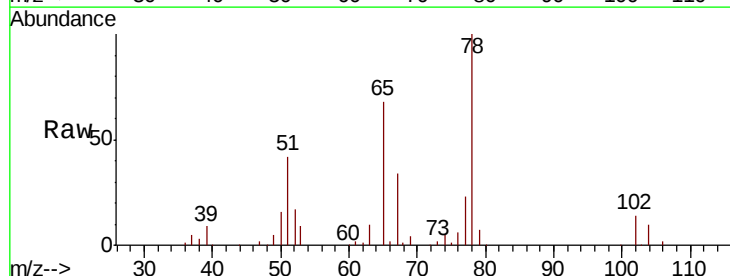


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

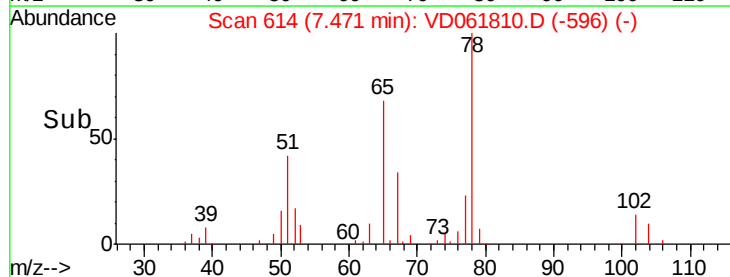
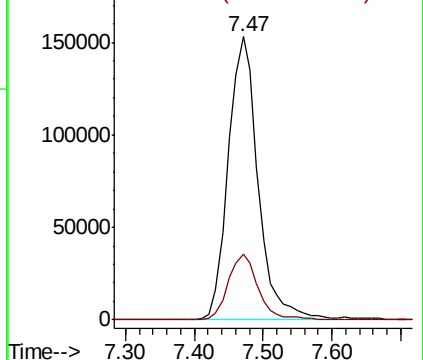


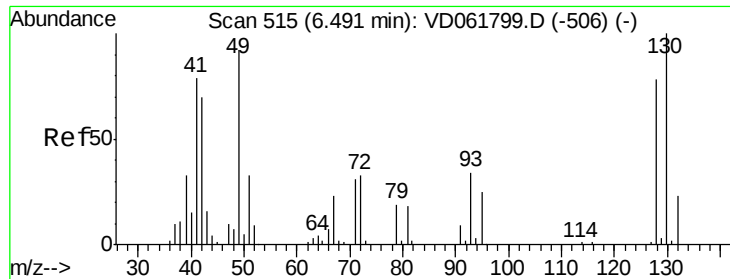
#40
Benzene
Concen: 20.000 ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 78 Resp: 458882
Ion Ratio Lower Upper
78 100
77 23.2 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.171 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

Tgt Ion: 41 Resp: 92685

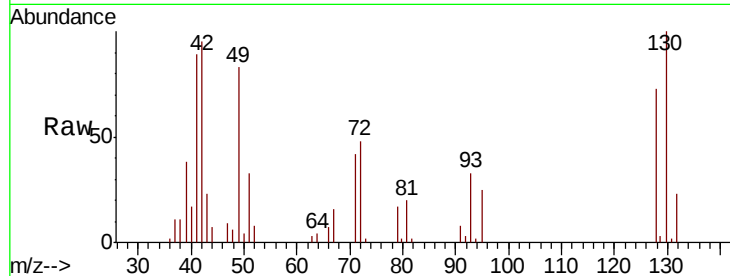
Ion Ratio Lower Upper

41 100

39 42.5 34.1 51.1

67 18.0 23.8 35.6#

52 9.0 8.8 13.2

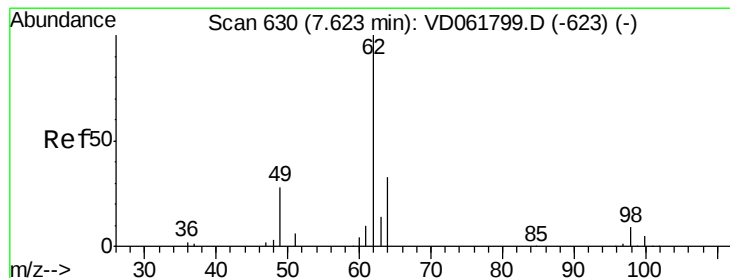
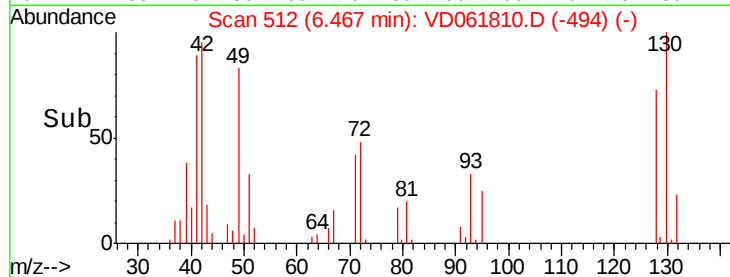
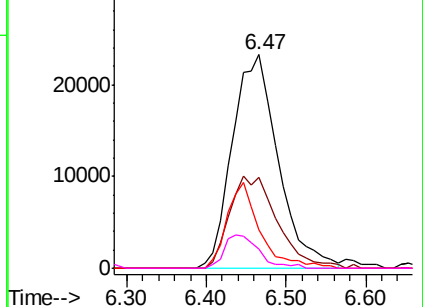


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.610 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD061810.D

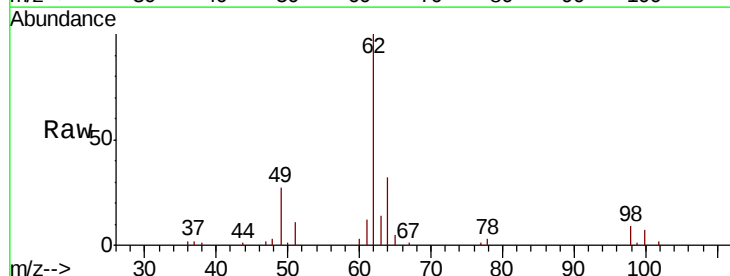
Acq: 16 Apr 2019 14:43

Tgt Ion: 62 Resp: 156696

Ion Ratio Lower Upper

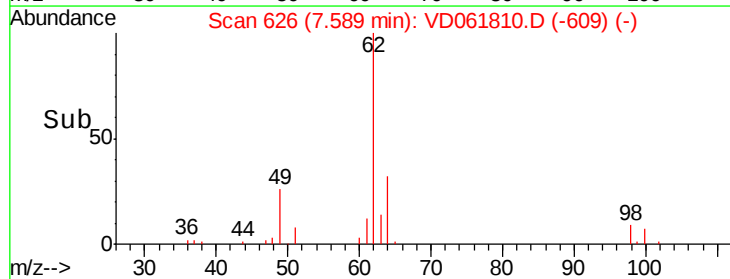
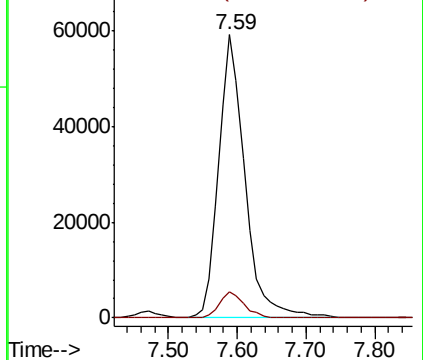
62 100

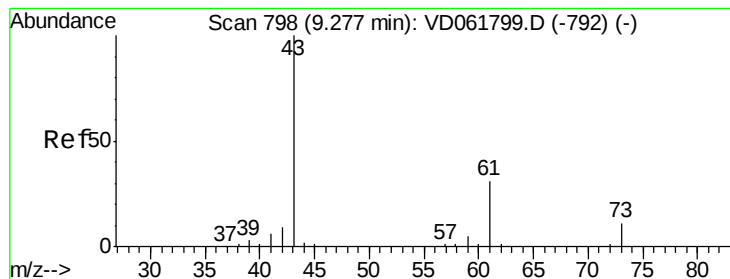
98 9.2 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.188 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBSD01

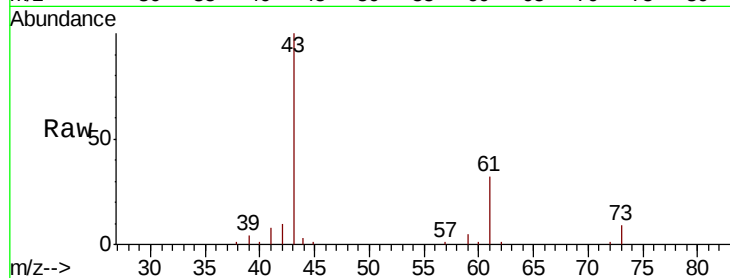
Tgt Ion: 43 Resp: 121957

Ion Ratio Lower Upper

43 100

61 32.5 25.1 37.7

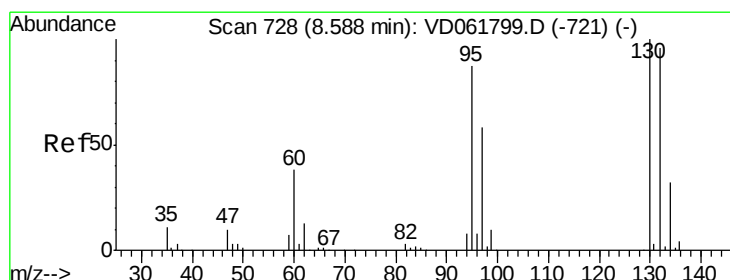
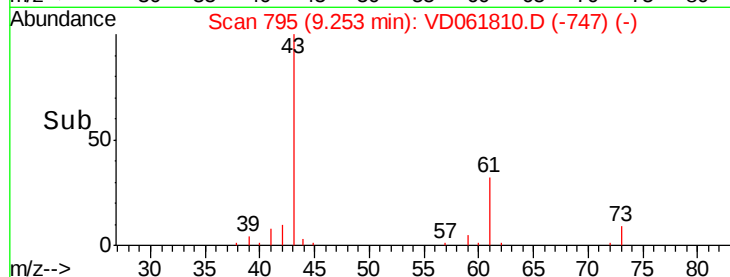
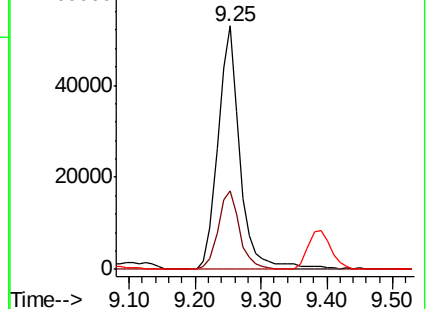
87 0.0 0.0 0.0



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: 20.365 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.03 min

Lab File: VD061810.D

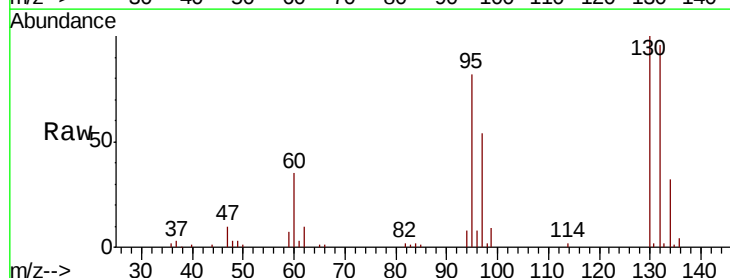
Acq: 16 Apr 2019 14:43

Tgt Ion: 130 Resp: 179875

Ion Ratio Lower Upper

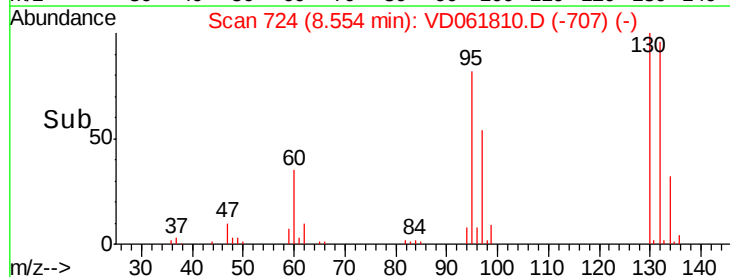
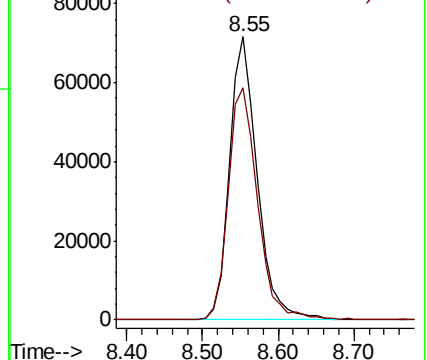
130 100

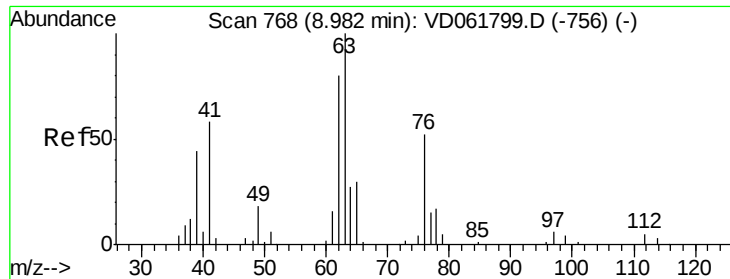
95 82.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

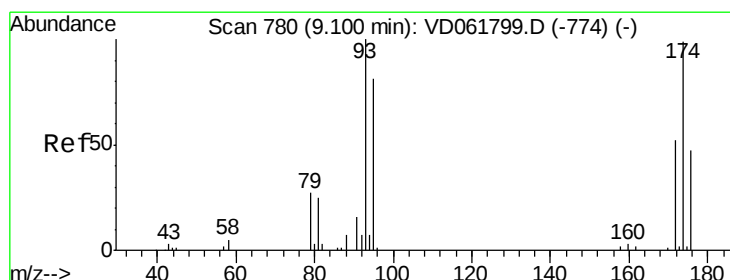
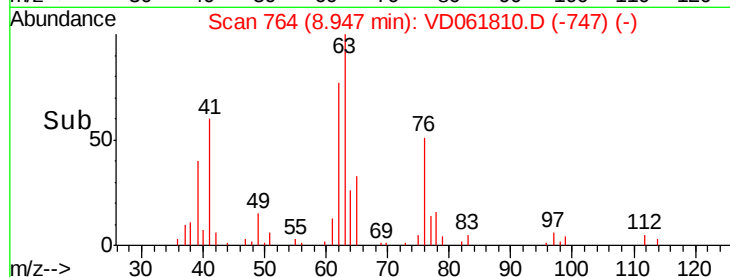
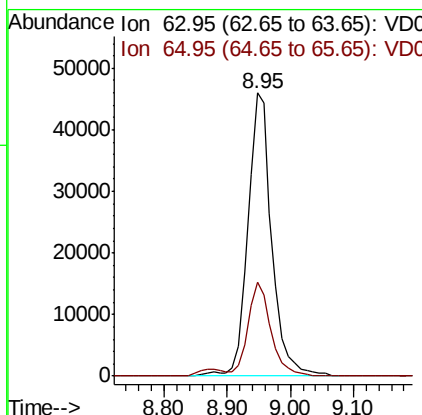
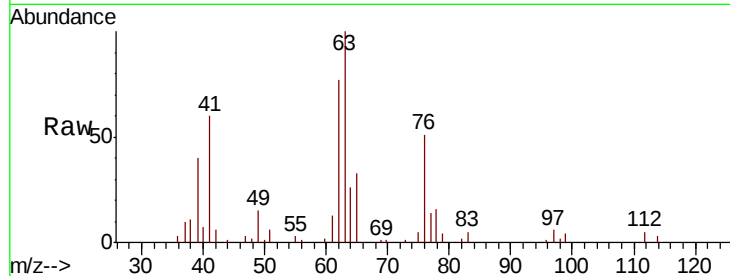




#45
 1,2-Dichloropropane
 Concen: 20.256 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. -0.03 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

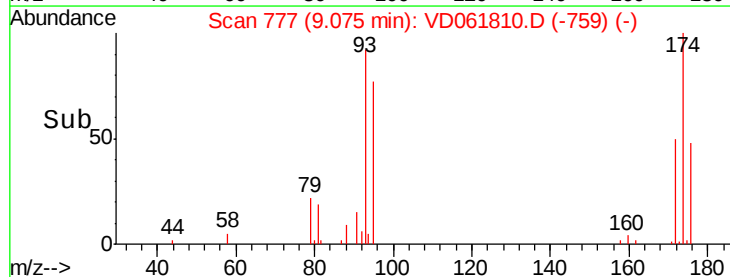
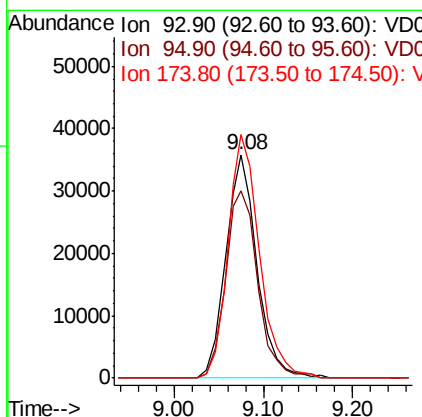
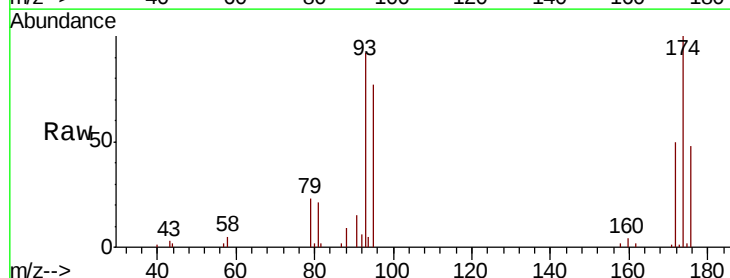
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

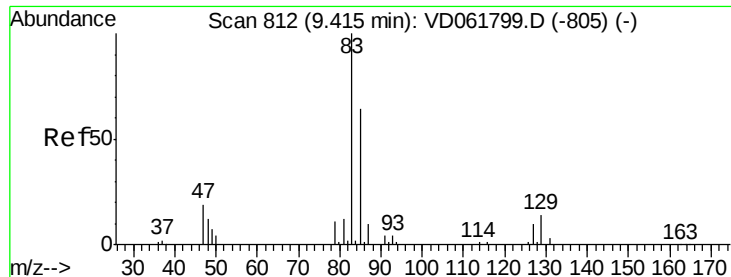
Tgt Ion: 63 Resp: 121059
 Ion Ratio Lower Upper
 63 100
 65 33.2 23.8 35.6



#46
 Dibromomethane
 Concen: 20.575 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 93 Resp: 87616
 Ion Ratio Lower Upper
 93 100
 95 83.5 64.8 97.2
 174 108.8 79.3 118.9





#47

Bromodichloromethane

Concen: 20.310 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

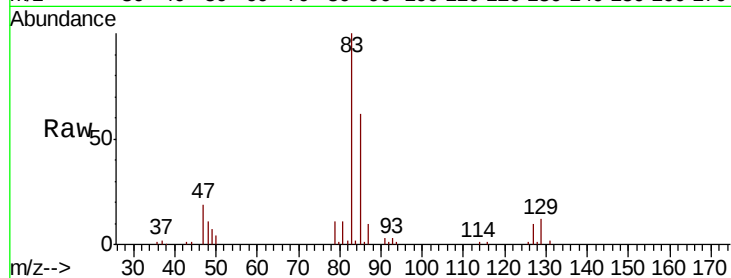
Tgt Ion: 83 Resp: 199529

Ion Ratio Lower Upper

83 100

85 62.2 50.9 76.3

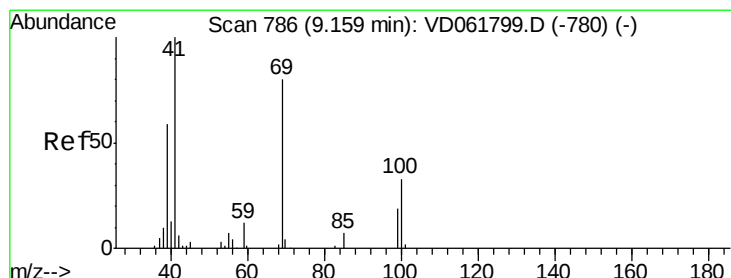
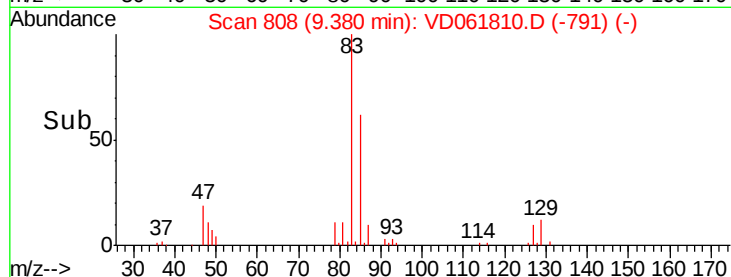
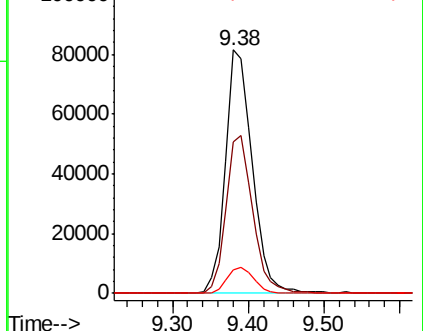
127 9.5 8.1 12.1



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: 20.017 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

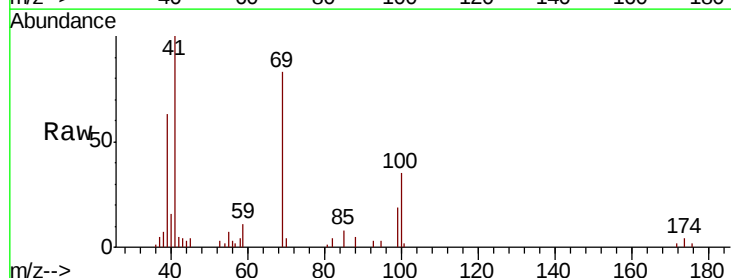
Tgt Ion: 41 Resp: 67726

Ion Ratio Lower Upper

41 100

69 82.9 64.2 96.2

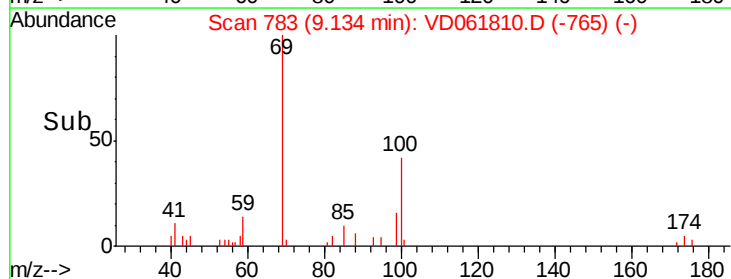
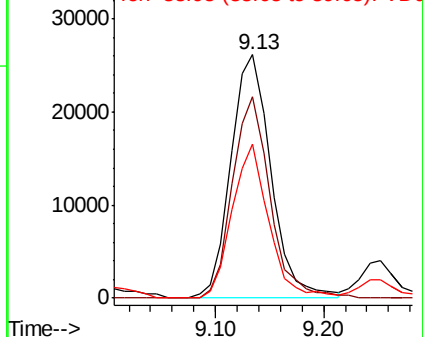
39 63.2 46.8 70.2

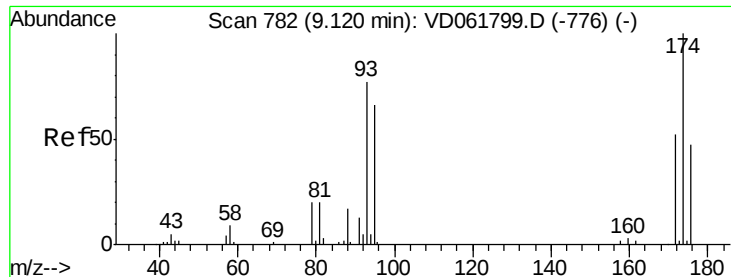


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

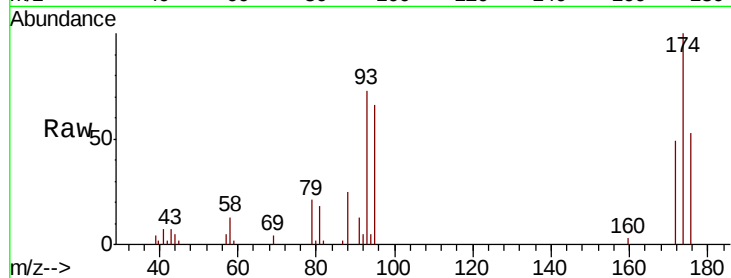




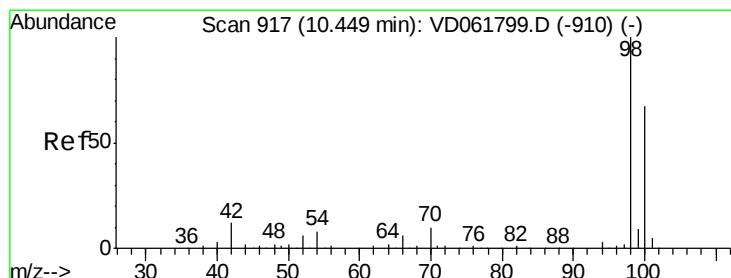
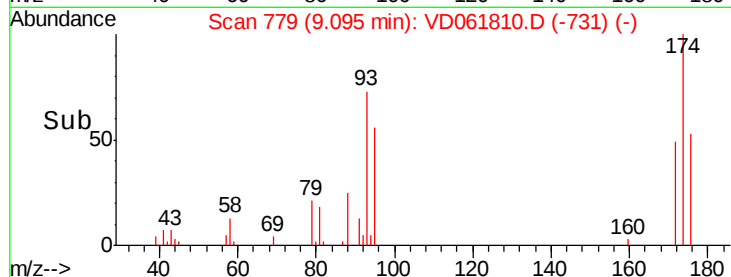
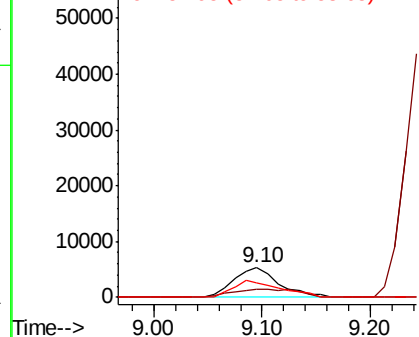
#49
1,4-Dioxane
Concen: 412.667 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBSD01

Tgt Ion: 88 Resp: 15261
Ion Ratio Lower Upper
88 100
43 27.9 23.4 35.0
58 50.3 44.0 66.0

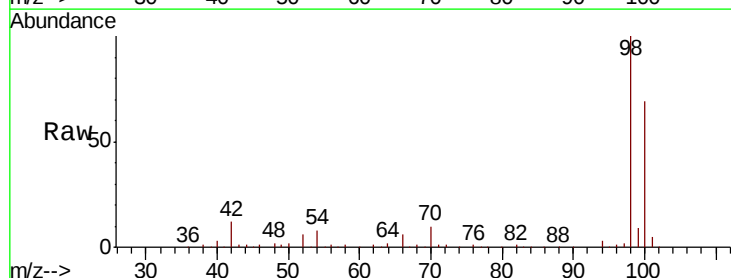


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

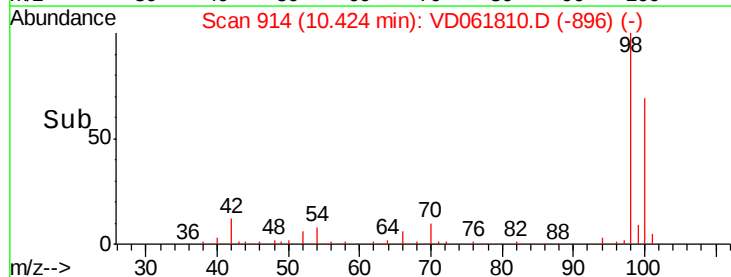
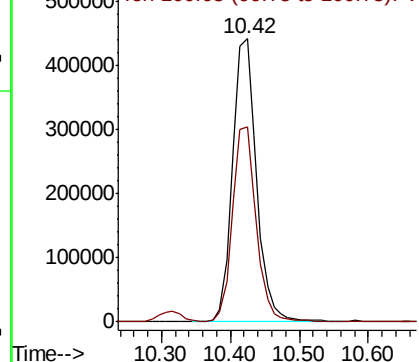


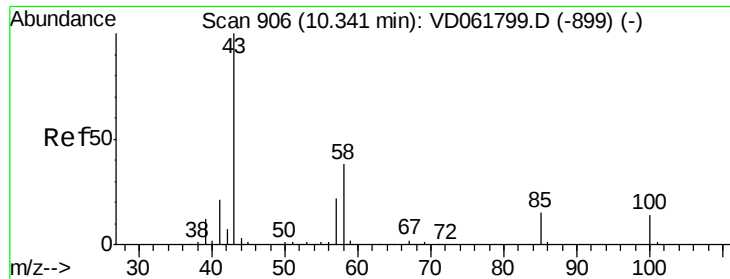
#50
Toluene-d8
Concen: 412.667 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 98 Resp: 1062598
Ion Ratio Lower Upper
98 100
100 68.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

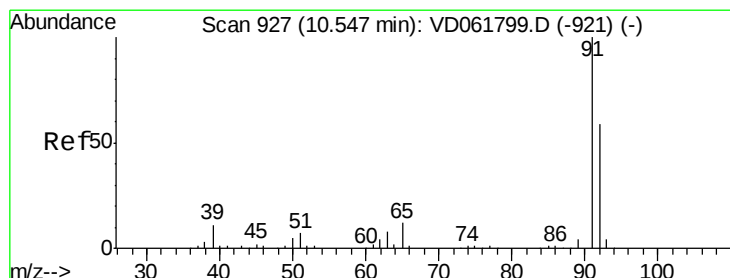
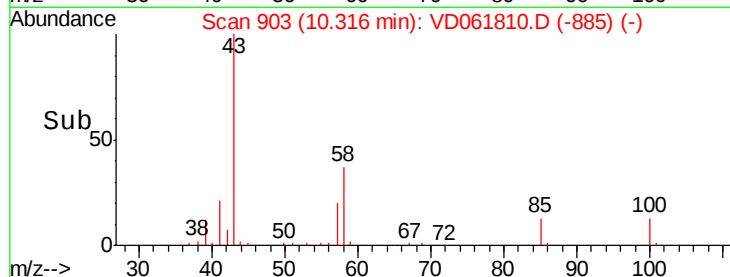
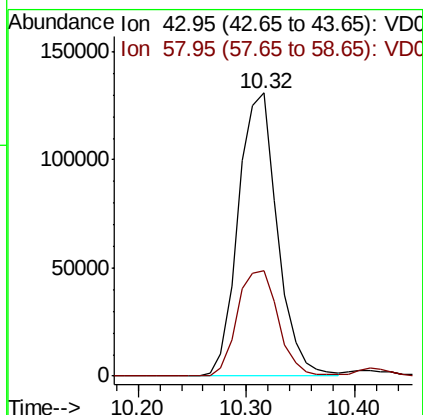
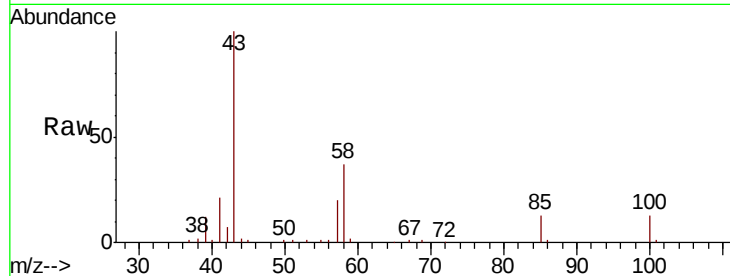




#51
4-Methyl-2-Pentanone
Concen: 93.424 ug/l
RT: 10.32 min Scan# 903
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

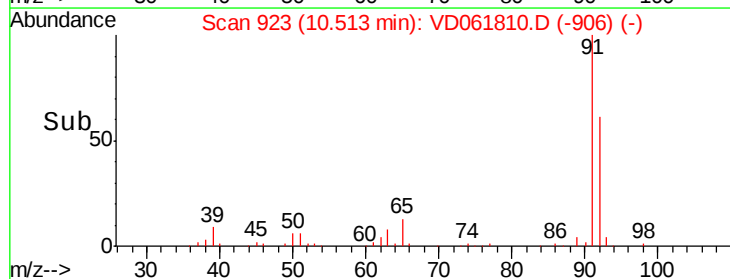
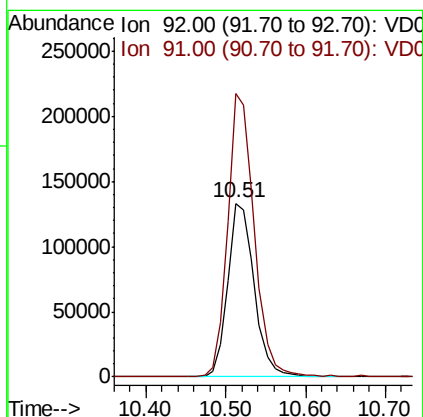
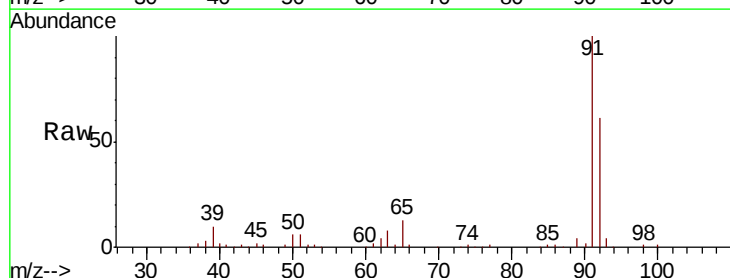
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

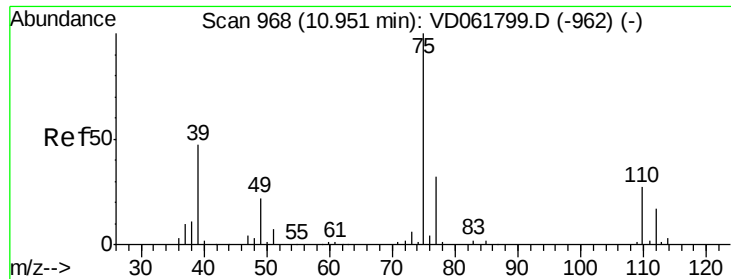
Tgt Ion: 43 Resp: 328853
Ion Ratio Lower Upper
43 100
58 37.2 30.4 45.6



#52
Toluene
Concen: 21.135 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.03 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 92 Resp: 310748
Ion Ratio Lower Upper
92 100
91 163.1 136.6 204.8

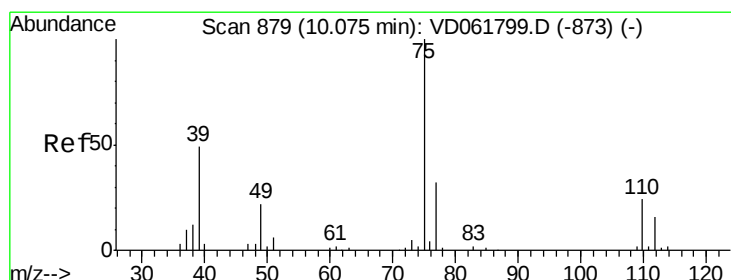
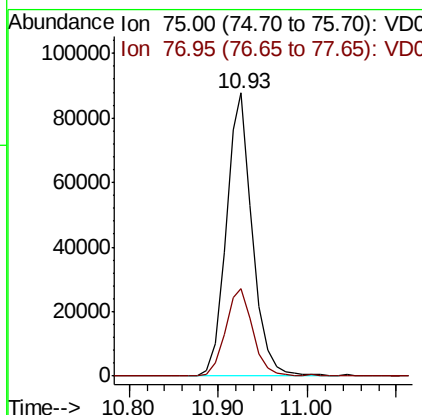
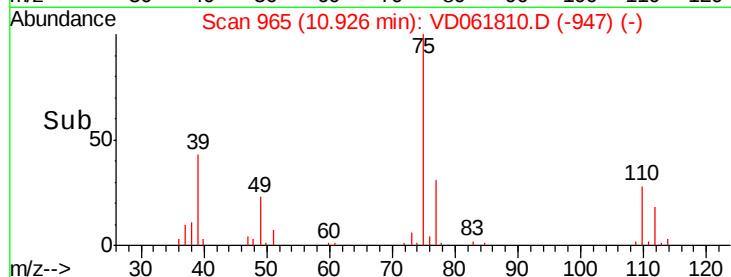
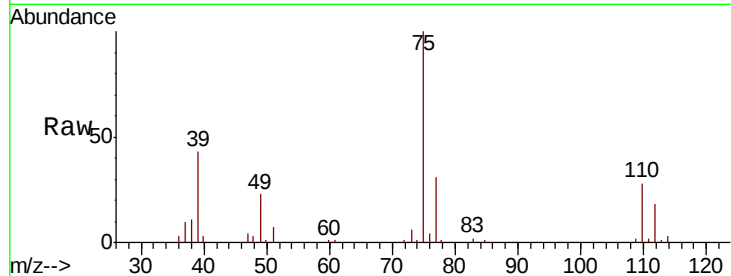




#53
 t-1,3-Dichloropropene
 Concen: 20.276 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

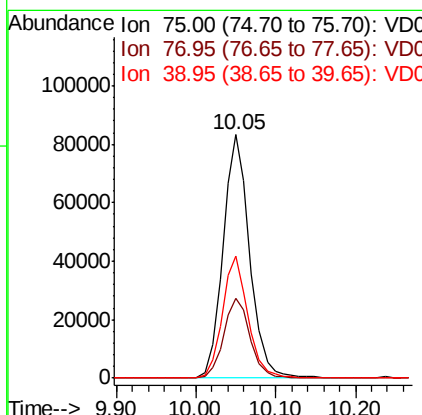
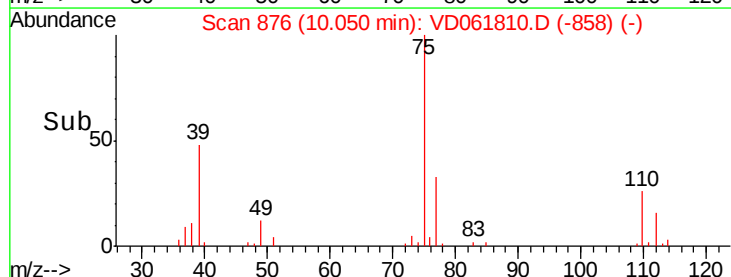
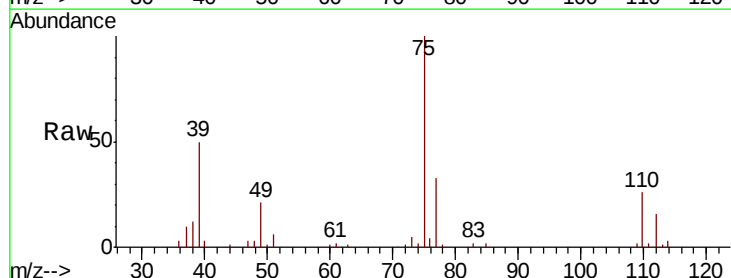
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBSD01

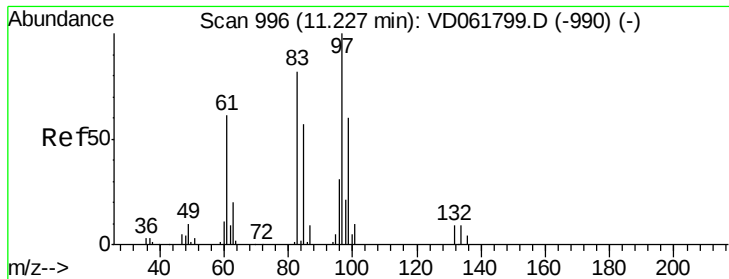
Tgt Ion: 75 Resp: 179487
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.691 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 75 Resp: 194218
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.5 38.3
 39 50.3 39.4 59.2

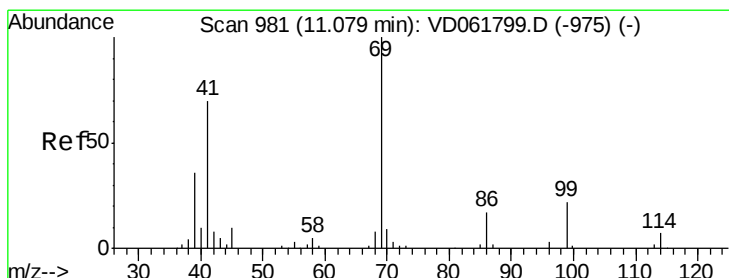
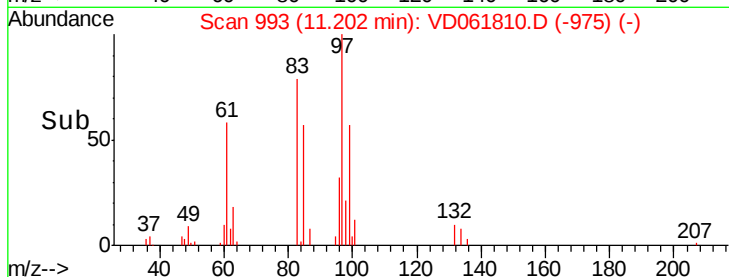
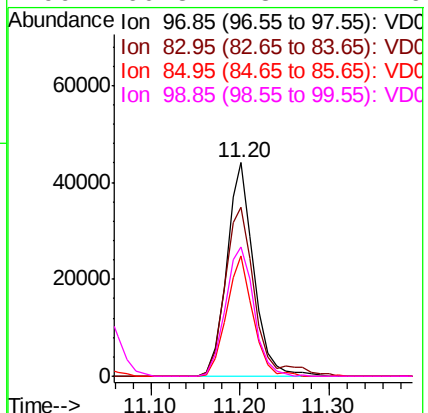
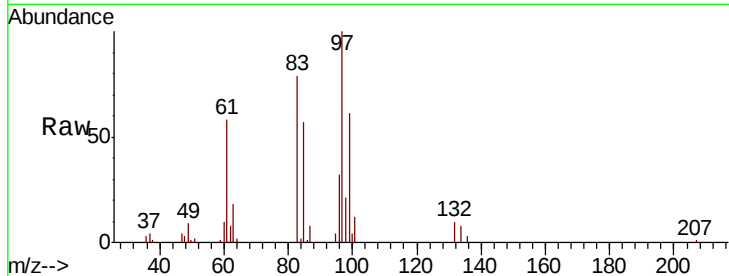




#55
 1,1,2-Trichloroethane
 Concen: 18.889 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

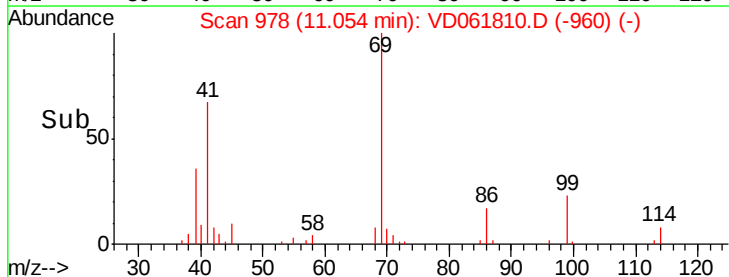
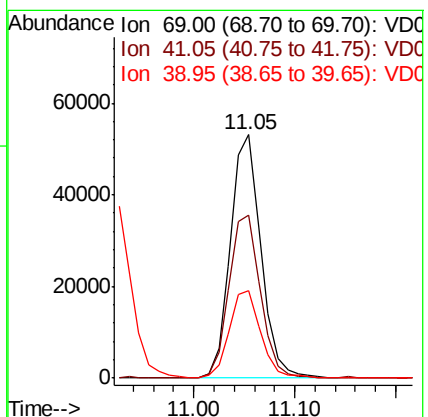
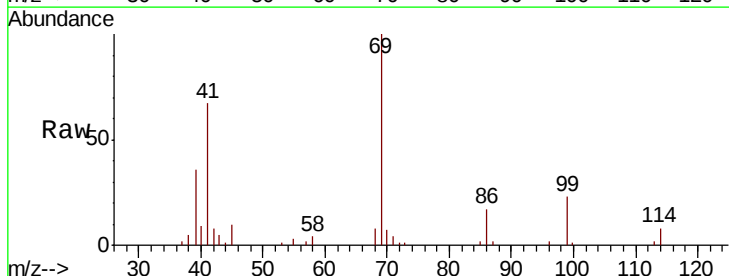
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

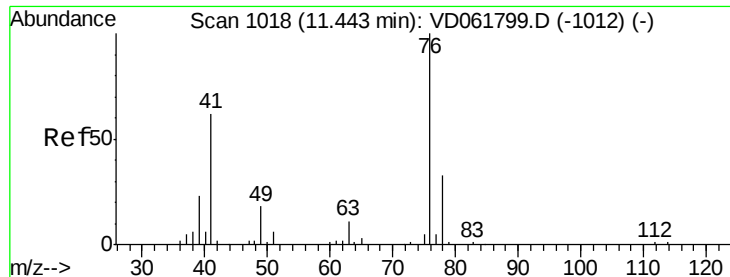
Tgt Ion:	97	Resp:	93586
Ion	Ratio	Lower	Upper
97	100		
83	79.0	65.7	98.5
85	56.6	45.6	68.4
99	60.8	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 20.455 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion:	69	Resp:	111228
Ion	Ratio	Lower	Upper
69	100		
41	67.0	56.3	84.5
39	35.8	29.4	44.2

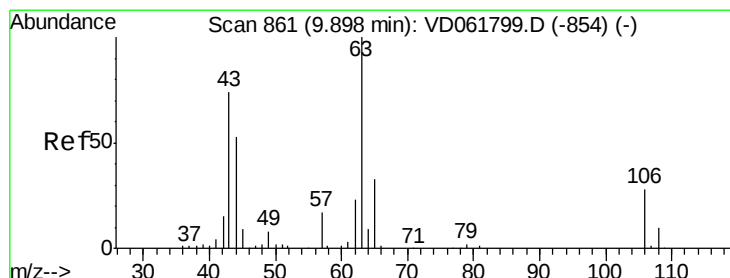
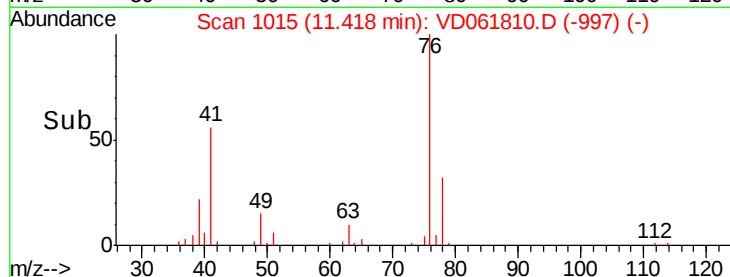
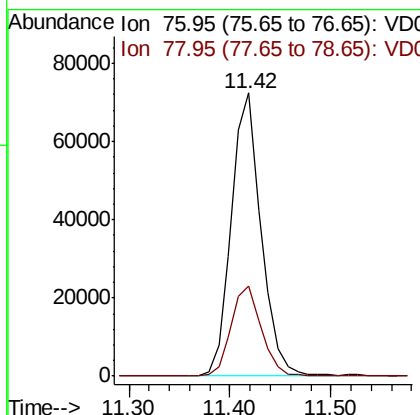
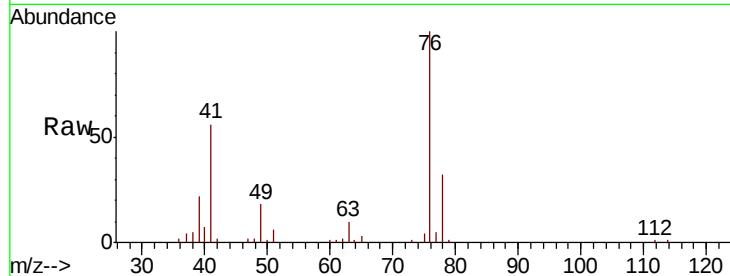




#57
 1,3-Dichloropropane
 Concen: 19.862 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

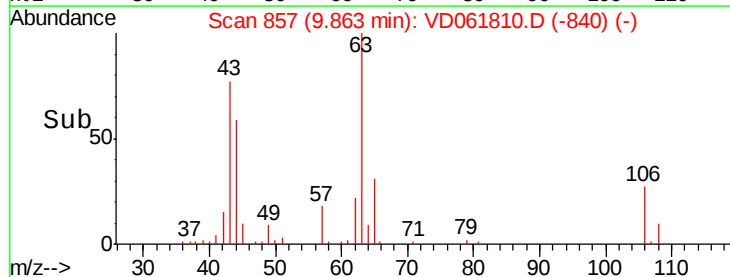
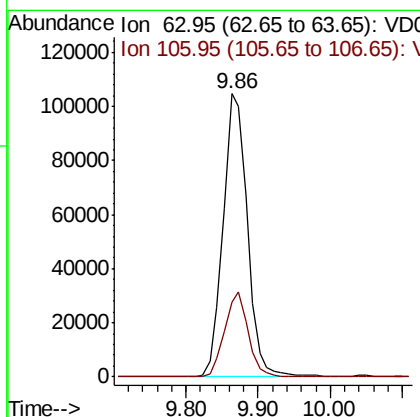
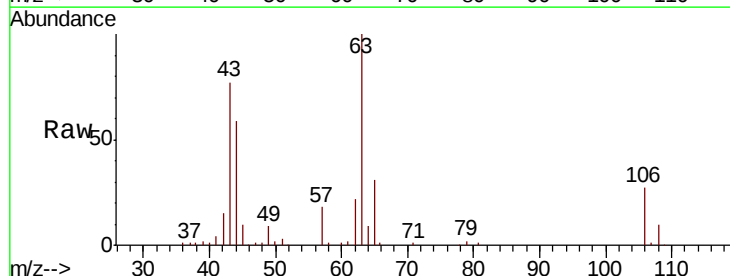
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

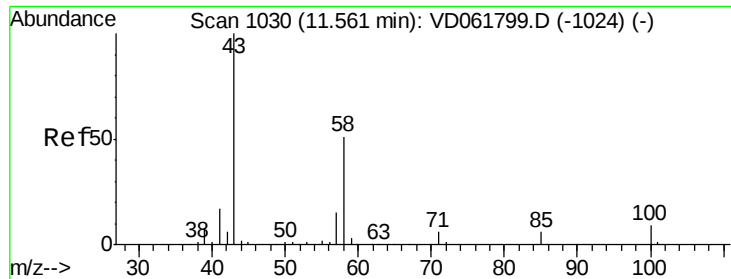
Tgt Ion: 76 Resp: 147940
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.291 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.03 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 63 Resp: 243873
 Ion Ratio Lower Upper
 63 100
 106 26.6 22.6 34.0

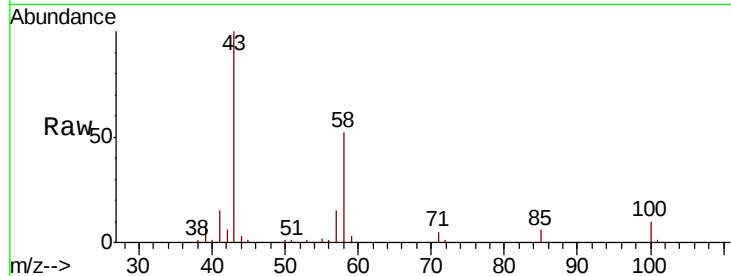




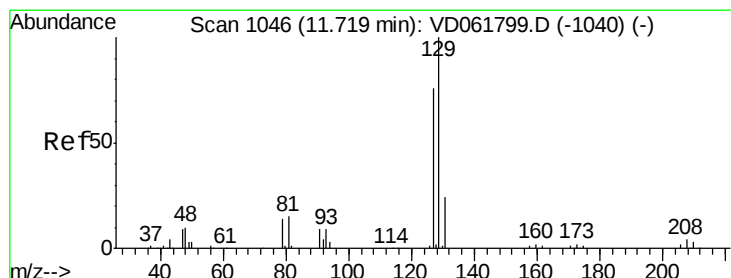
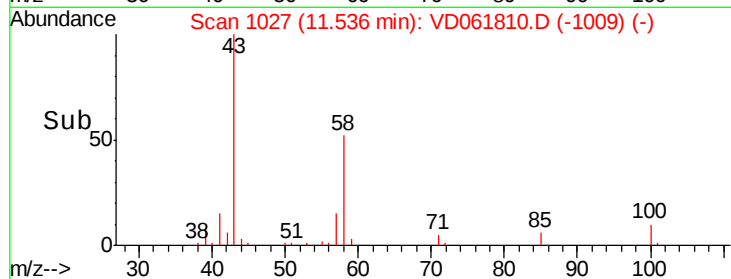
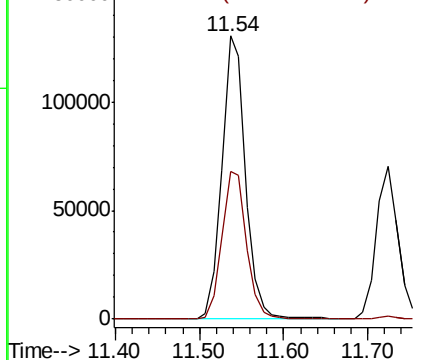
#59
2-Hexanone
Concen: 96.935 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBSD01

Tgt Ion: 43 Resp: 253426
Ion Ratio Lower Upper
43 100
58 52.1 25.4 76.4

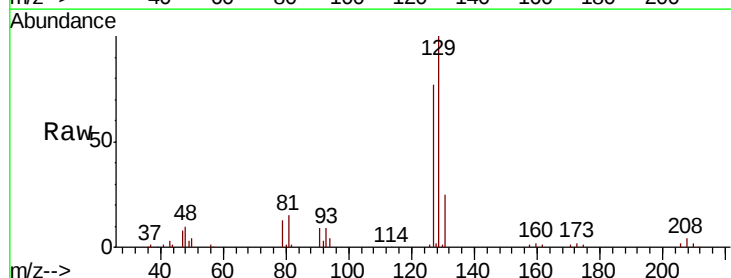


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

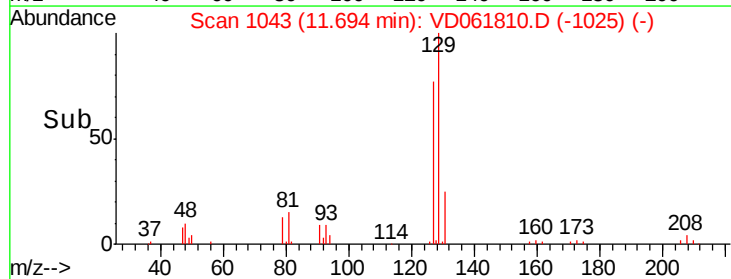
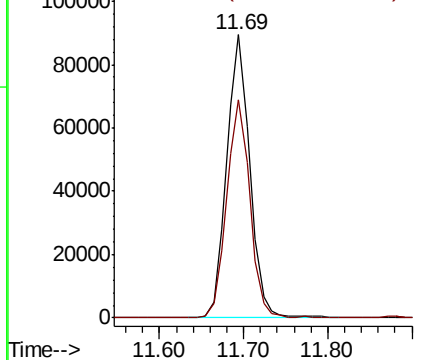


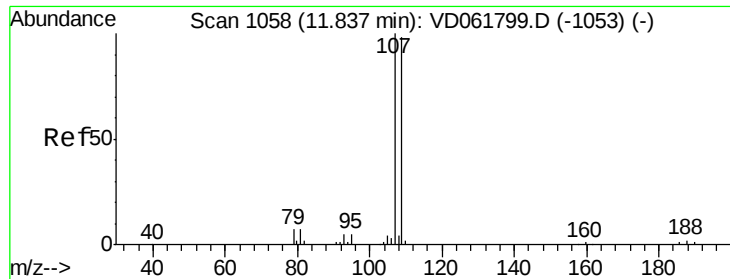
#60
Dibromochloromethane
Concen: 20.948 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 129 Resp: 169817
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9



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





#61

1,2-Dibromoethane

Concen: 19.333 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

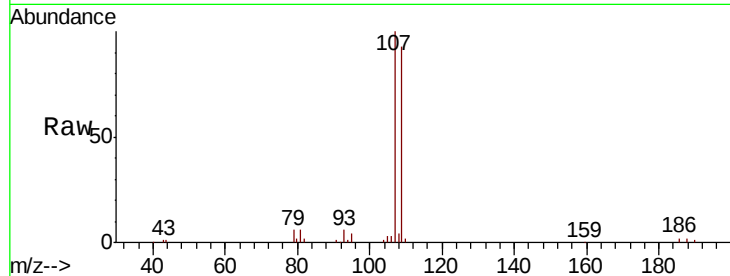
VD0416SBS01

Tgt Ion: 107 Resp: 117776

Ion Ratio Lower Upper

107 100

109 93.2 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

80000

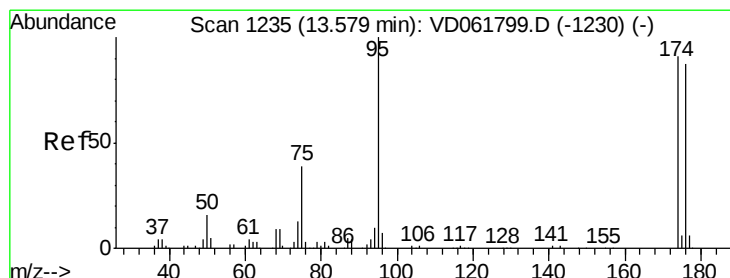
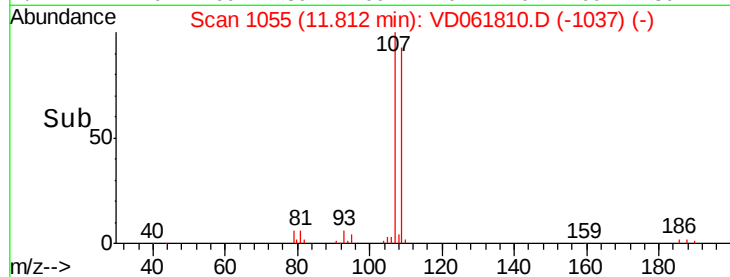
60000

40000

20000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 19.333 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

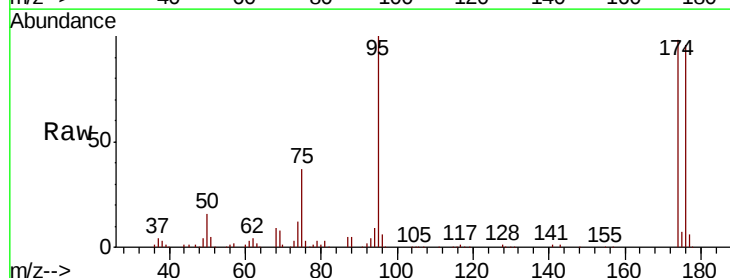
Tgt Ion: 95 Resp: 396463

Ion Ratio Lower Upper

95 100

174 98.4 0.0 181.8

176 96.3 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.56

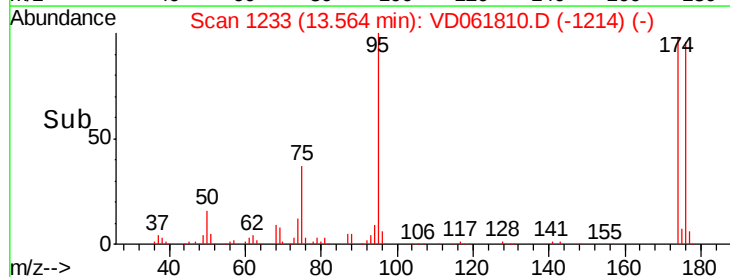
300000

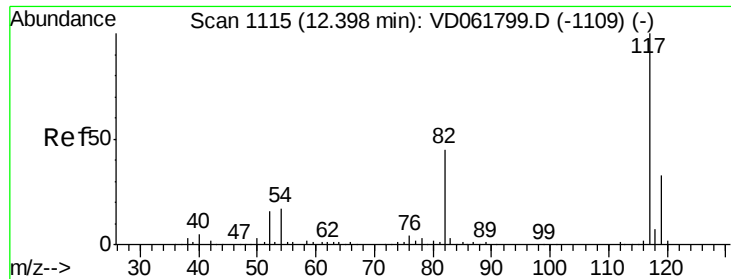
200000

100000

0

Time--> 13.50 13.60

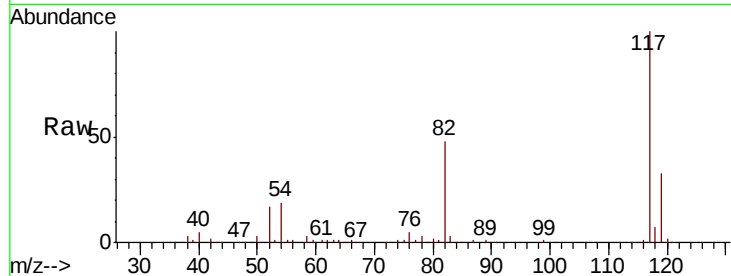




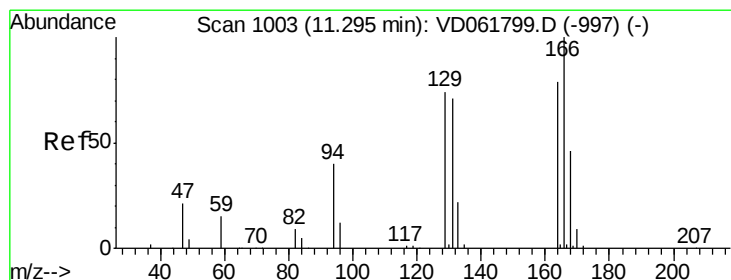
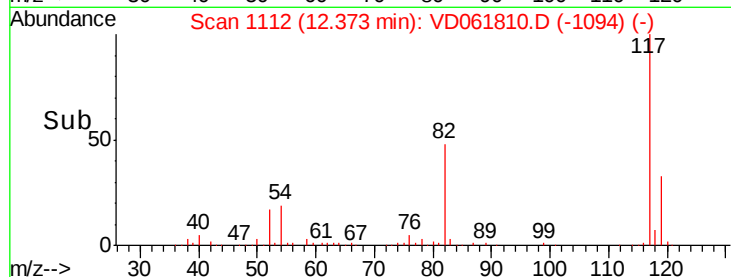
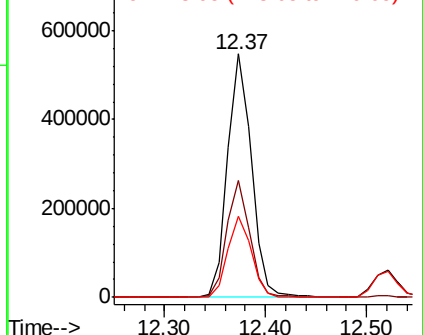
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

Tgt Ion:117 Resp: 902685
Ion Ratio Lower Upper
117 100
82 47.8 36.2 54.2
119 33.1 26.2 39.4

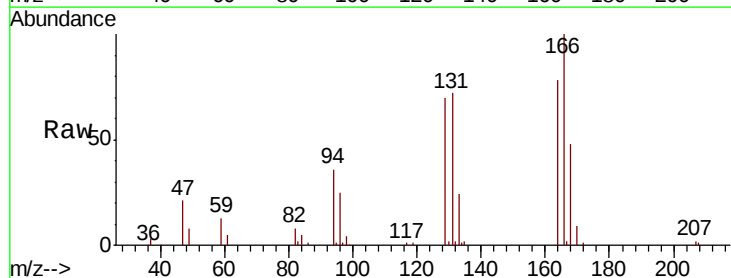


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

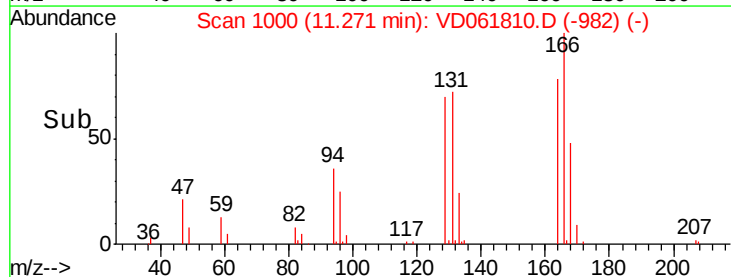
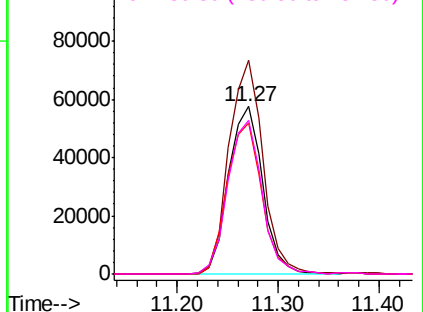


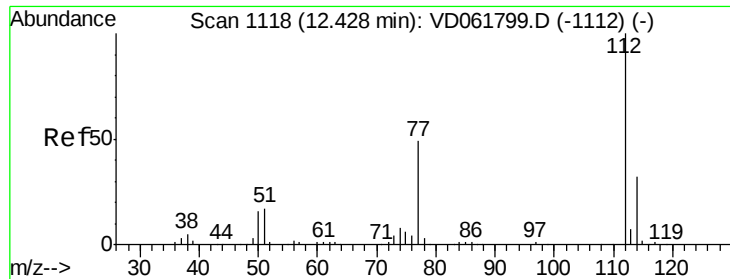
#64
Tetrachloroethene
Concen: 19.928 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion:164 Resp: 134911
Ion Ratio Lower Upper
164 100
166 127.7 101.5 152.3
129 90.0 74.6 112.0
131 92.0 72.6 108.8



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: 20.804 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

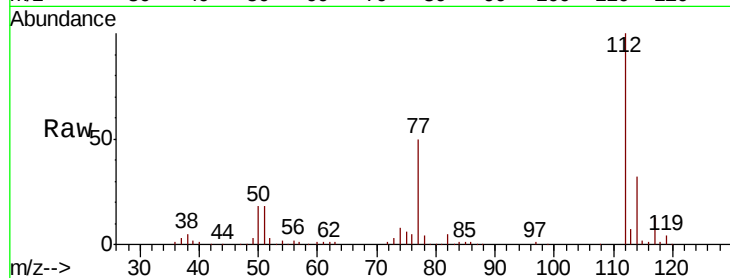
VD0416SBSD01

Tgt Ion:112 Resp: 349732

Ion Ratio Lower Upper

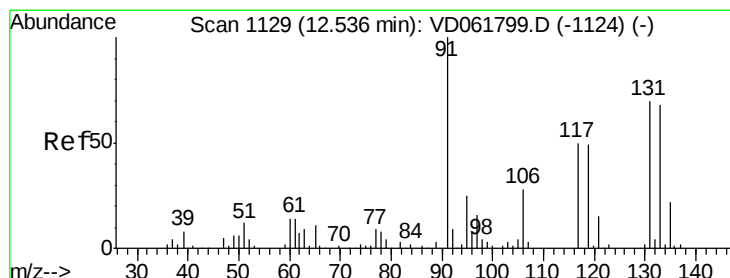
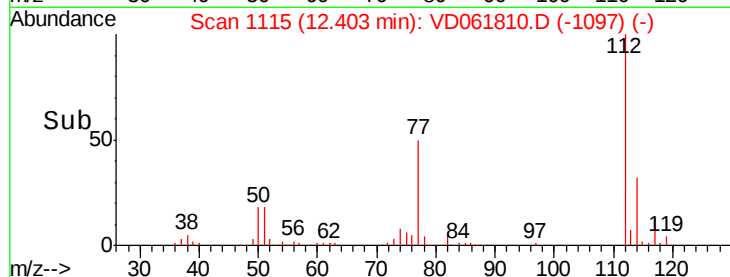
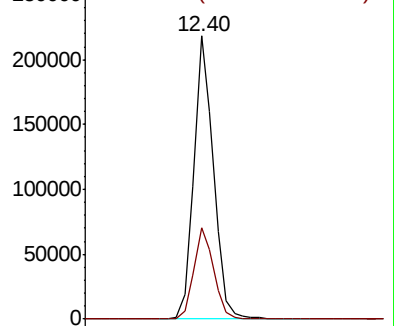
112 100

114 32.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.424 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

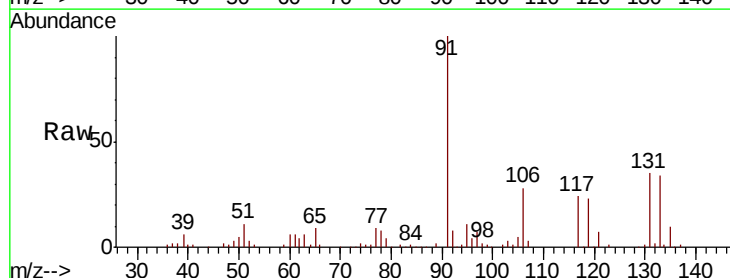
Tgt Ion:131 Resp: 150930

Ion Ratio Lower Upper

131 100

133 95.9 48.6 145.8

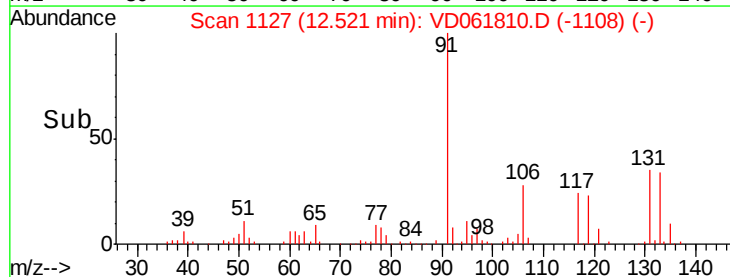
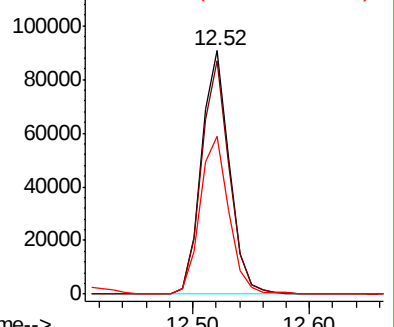
119 64.7 34.7 104.1

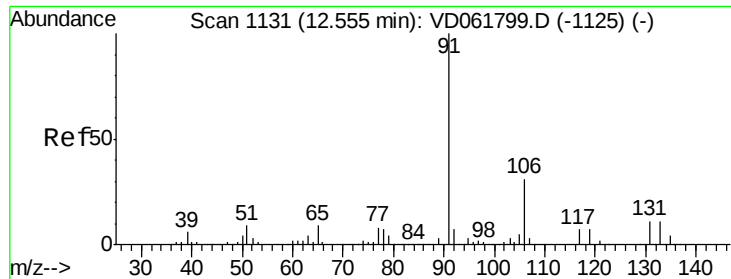


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

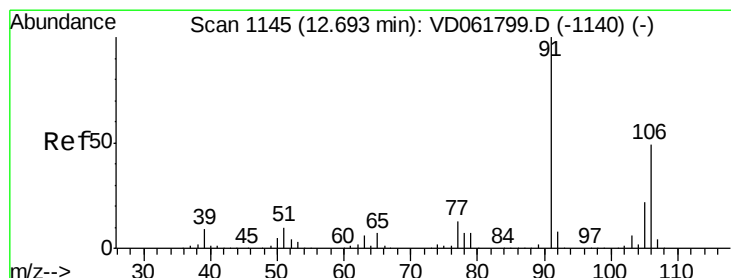
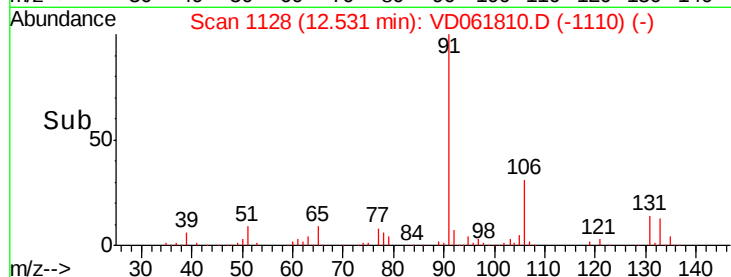
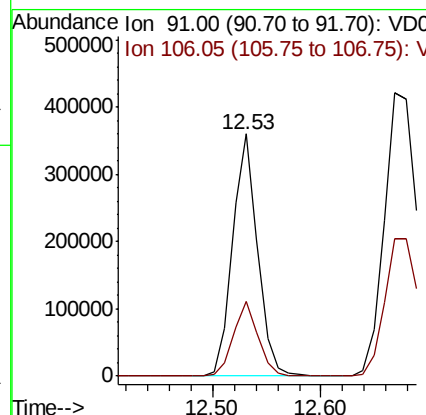
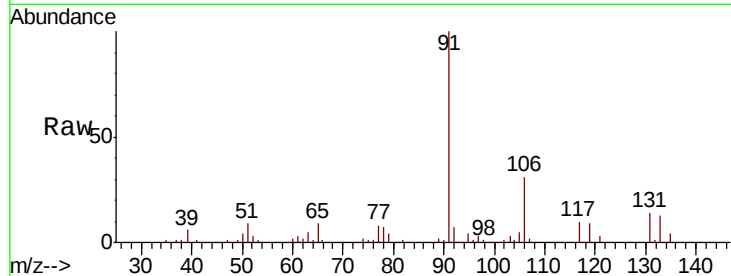




#67
Ethyl Benzene
Concen: 21.392 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

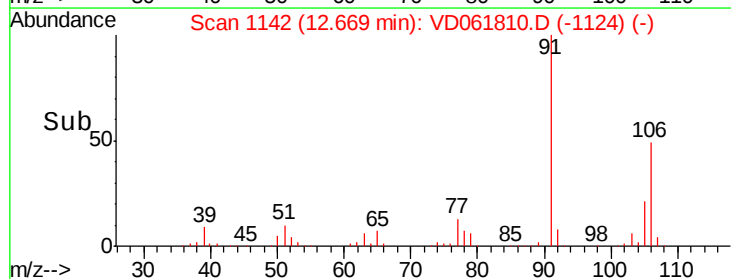
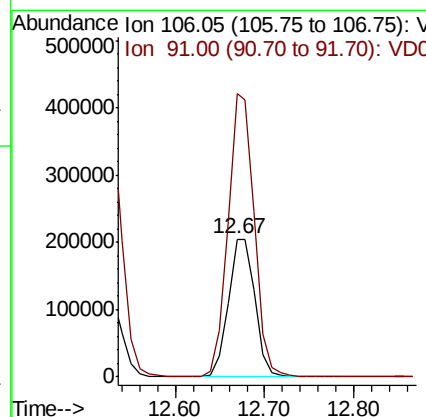
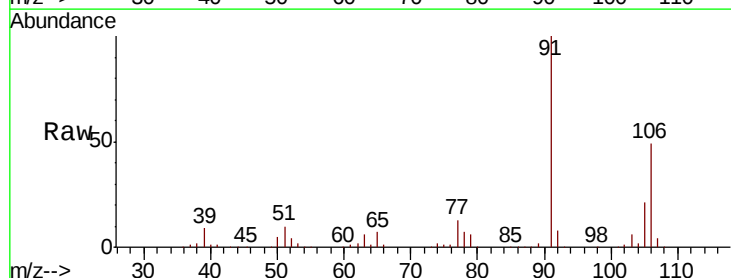
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

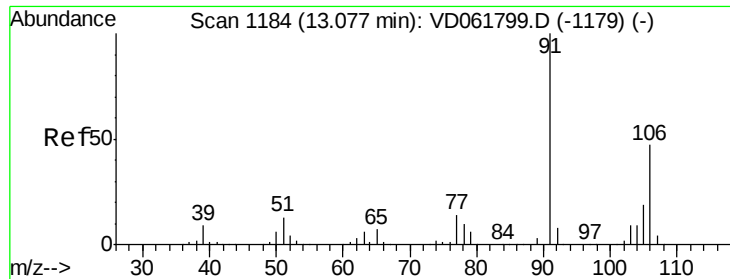
Tgt Ion: 91 Resp: 575907
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 42.570 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion: 106 Resp: 430496
Ion Ratio Lower Upper
106 100
91 205.9 164.0 246.0

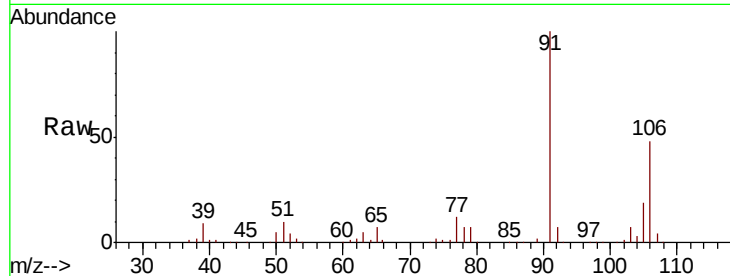




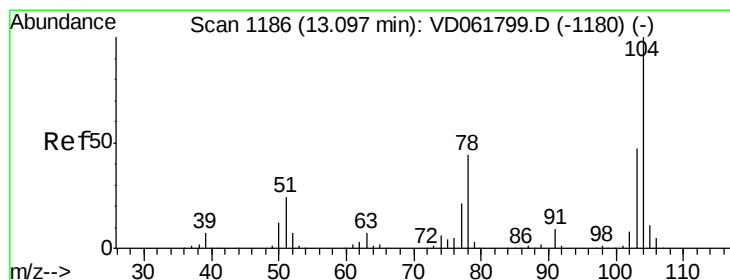
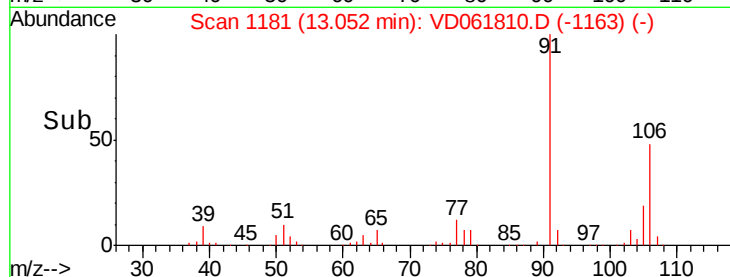
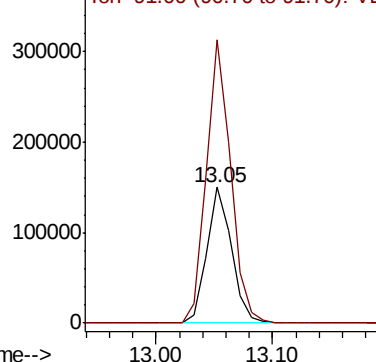
#69
o-Xylene
Concen: 23.147 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.02 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

Tgt Ion:106 Resp: 220013
Ion Ratio Lower Upper
106 100
91 208.2 106.7 319.9

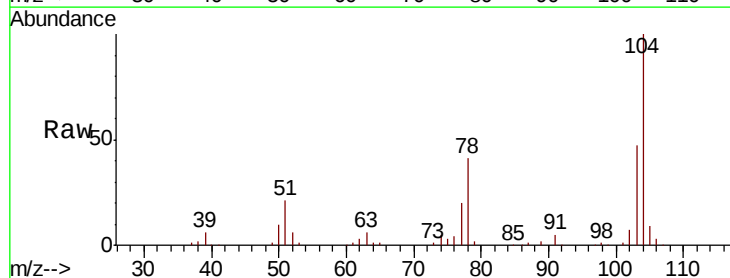


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

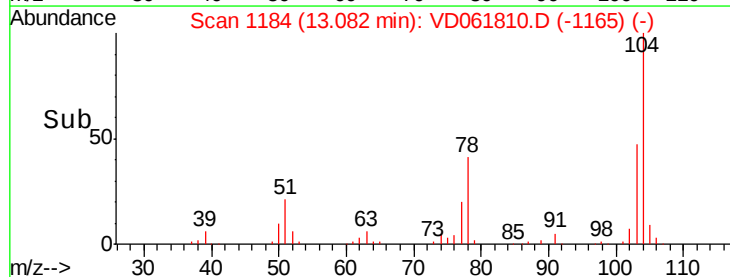
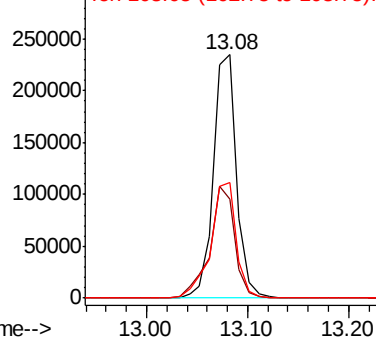


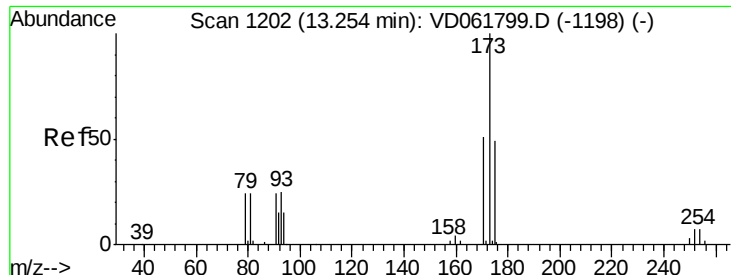
#70
Styrene
Concen: 22.935 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion:104 Resp: 375151
Ion Ratio Lower Upper
104 100
78 40.7 35.4 53.2
103 47.2 37.5 56.3



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: 21.033 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

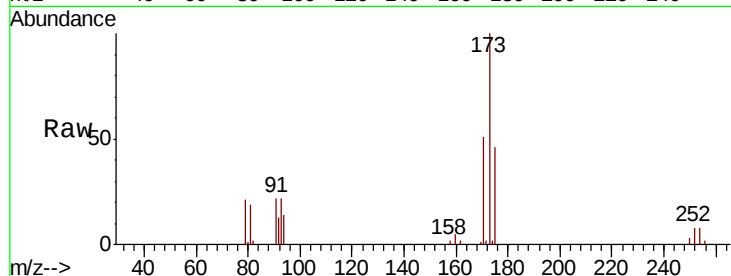
Tgt Ion:173 Resp: 87956

Ion Ratio Lower Upper

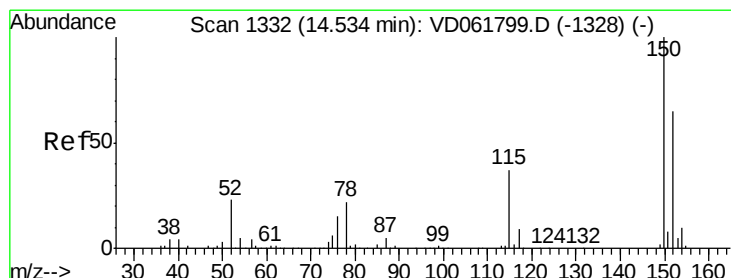
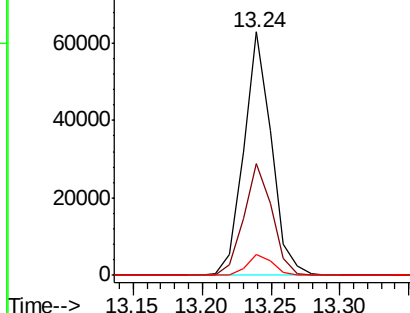
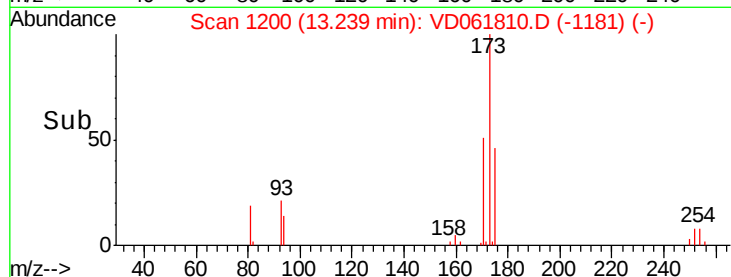
173 100

175 45.8 24.4 73.4

254 8.4 5.4 8.2#



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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

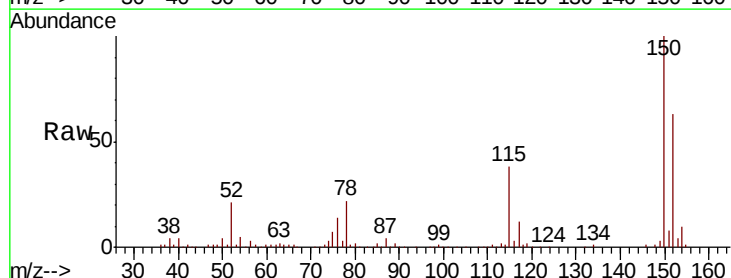
Tgt Ion:152 Resp: 409917

Ion Ratio Lower Upper

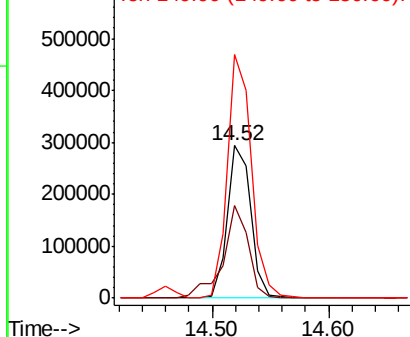
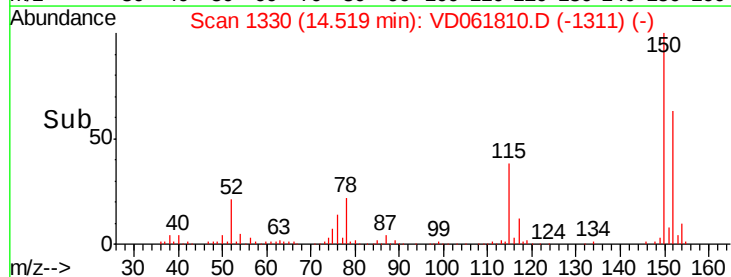
152 100

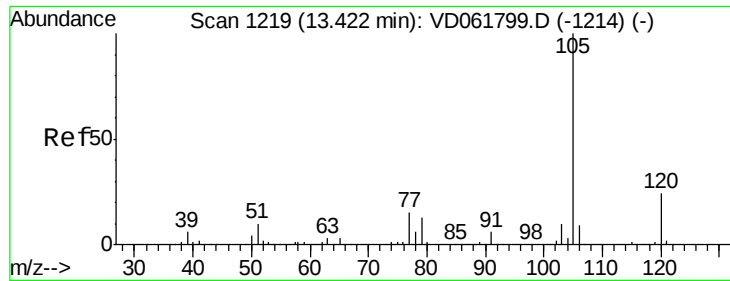
115 60.5 30.9 92.7

150 159.7 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.121 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

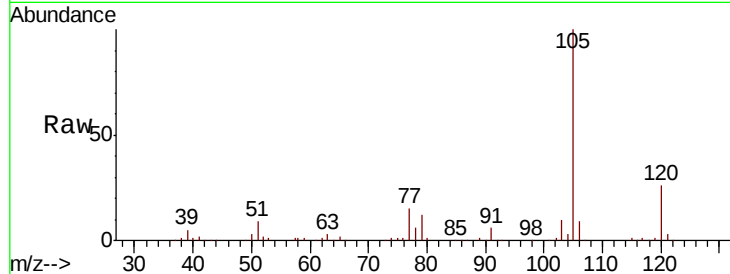
VD0416SBSD01

Tgt Ion: 105 Resp: 614650

Ion Ratio Lower Upper

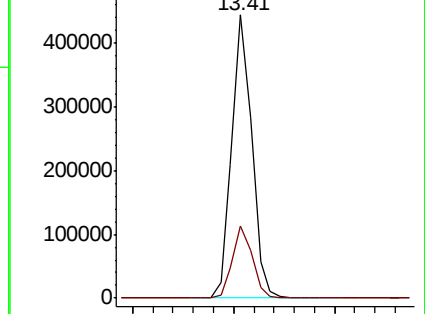
105 100

120 25.5 12.0 36.1

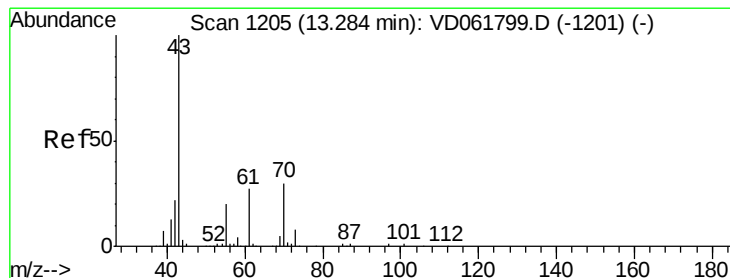
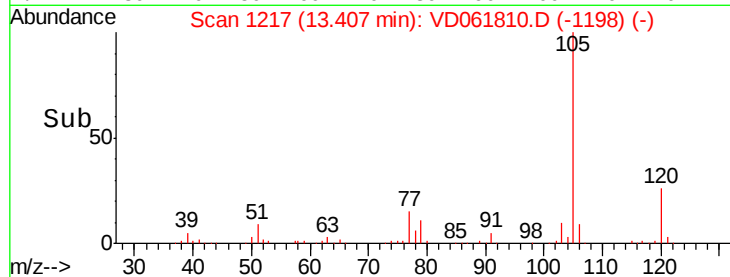


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.054 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Tgt Ion: 43 Resp: 150507

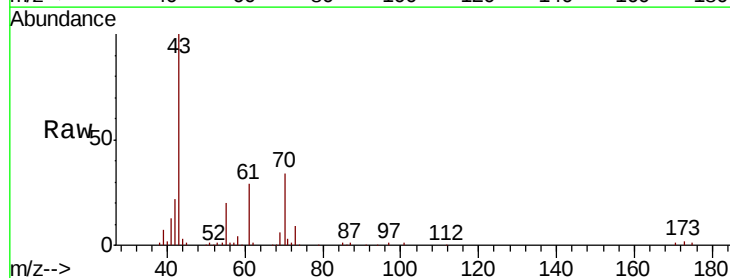
Ion Ratio Lower Upper

43 100

70 33.8 24.2 36.4

55 19.9 16.0 24.0

61 29.0 21.6 32.4

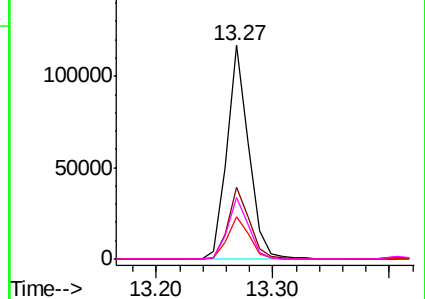


Abundance Ion 42.95 (42.65 to 43.65): V

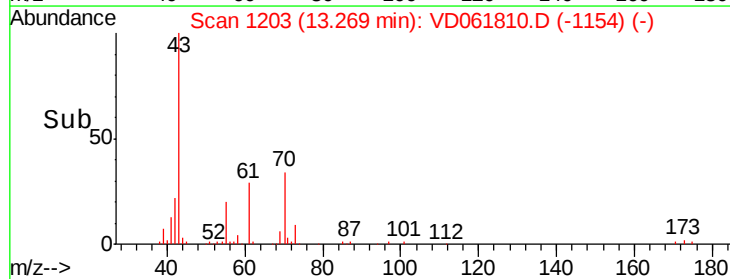
Ion 70.00 (69.70 to 70.70): V

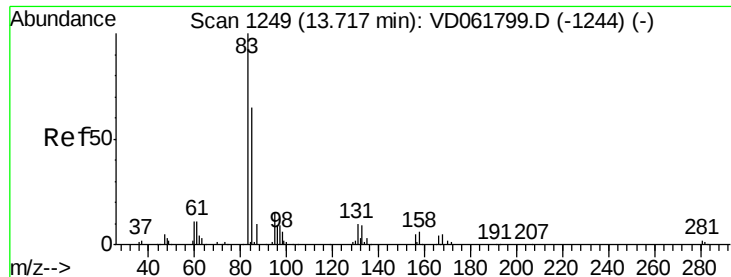
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.041 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

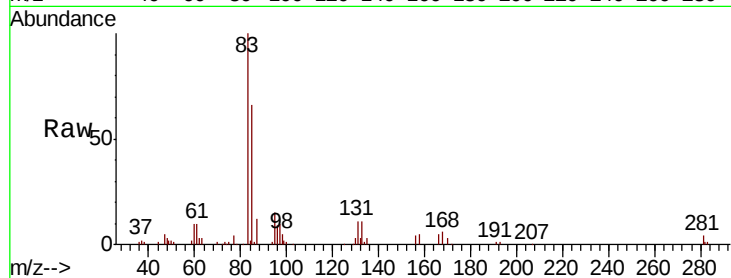
Tgt Ion: 83 Resp: 110567

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

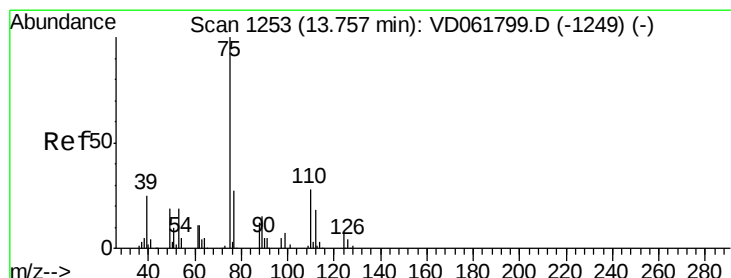
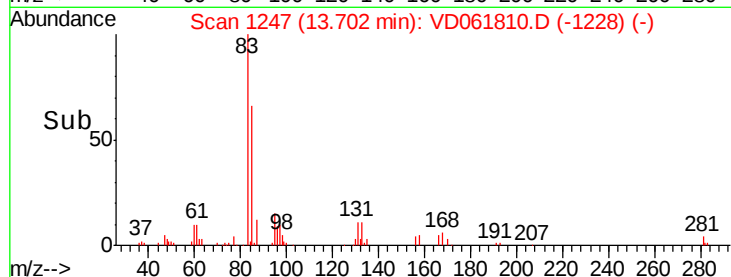
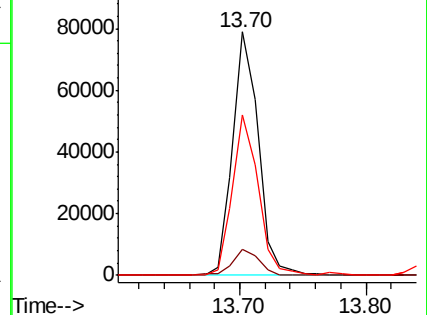
85 65.8 32.6 97.7



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: 19.619 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD061810.D

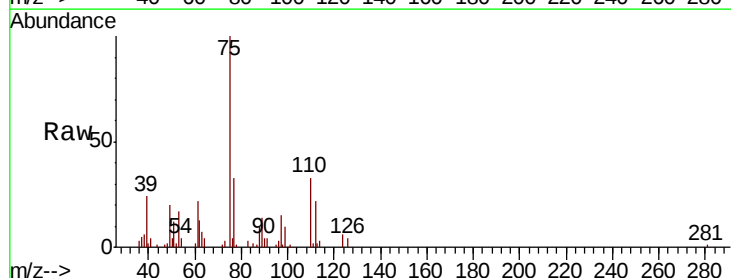
Acq: 16 Apr 2019 14:43

Tgt Ion: 75 Resp: 105617

Ion Ratio Lower Upper

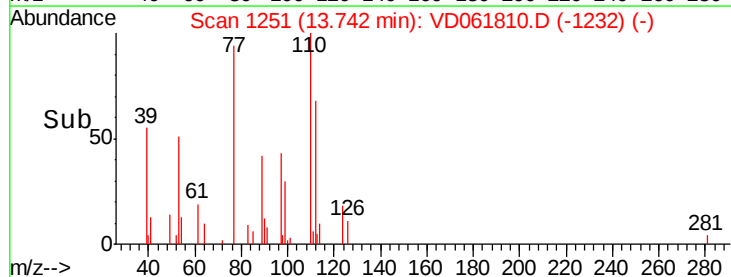
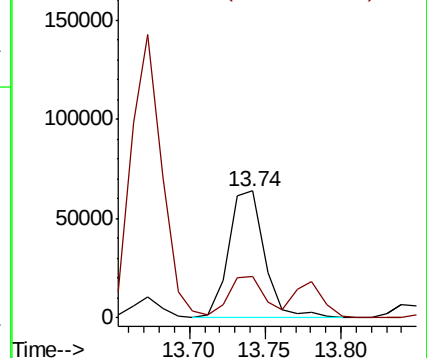
75 100

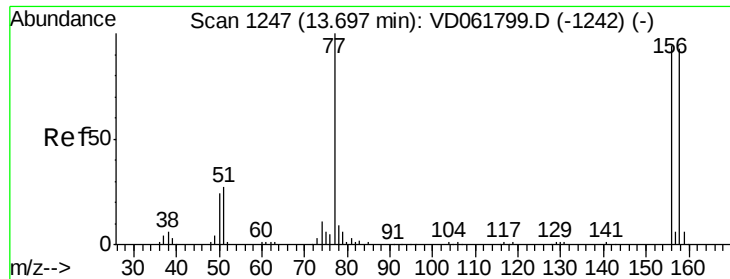
77 32.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.900 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

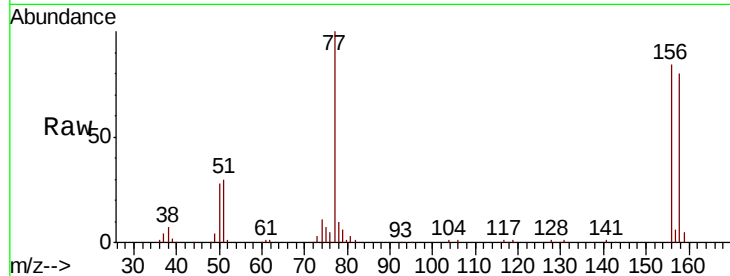
Tgt Ion:156 Resp: 165378

Ion Ratio Lower Upper

156 100

77 119.2 53.1 159.4

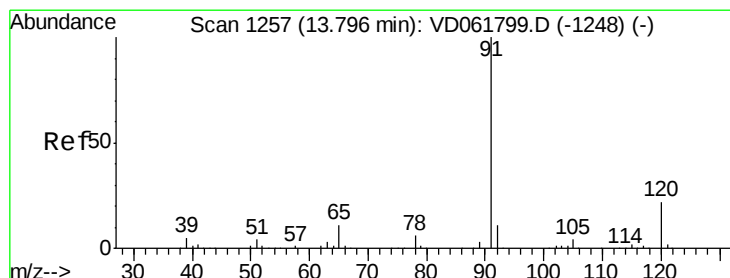
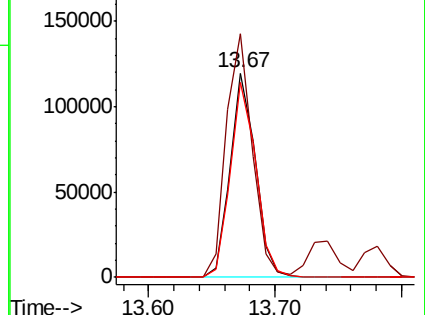
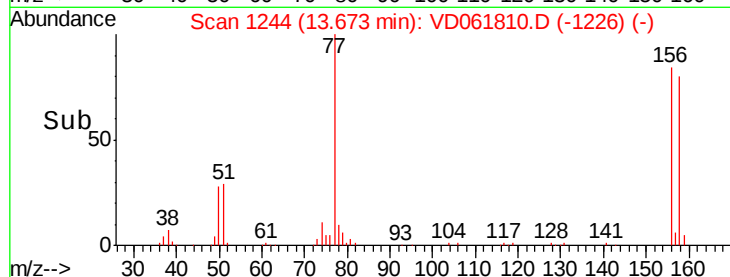
158 95.2 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.271 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD061810.D

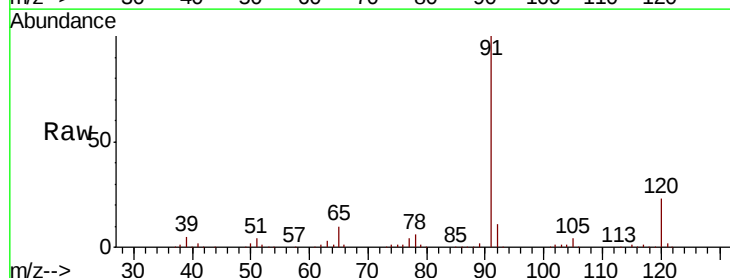
Acq: 16 Apr 2019 14:43

Tgt Ion: 91 Resp: 684038

Ion Ratio Lower Upper

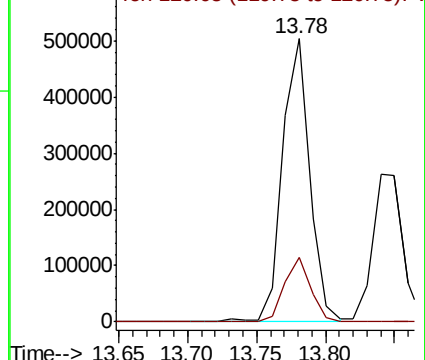
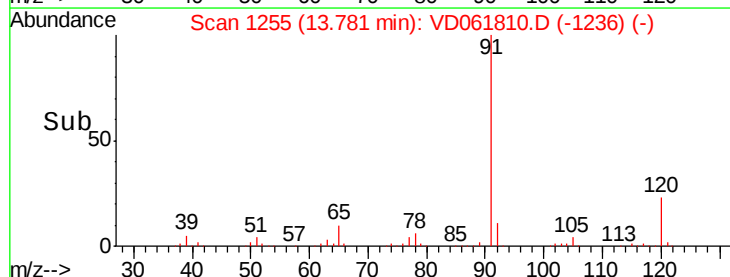
91 100

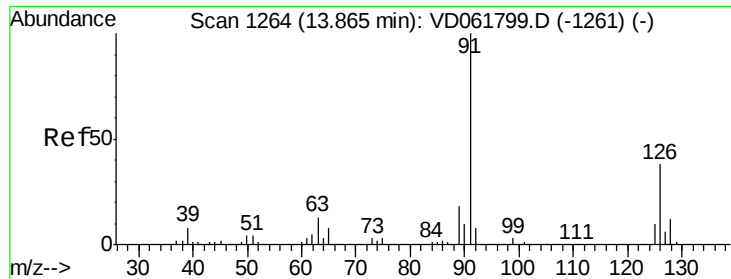
120 22.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

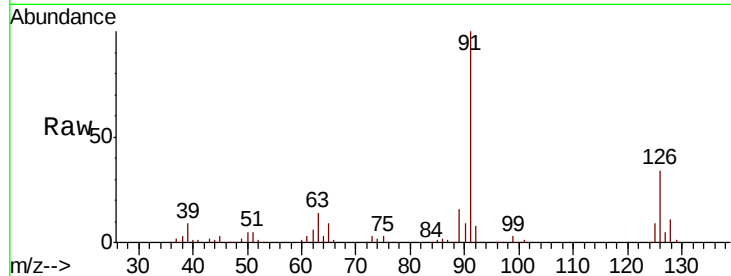




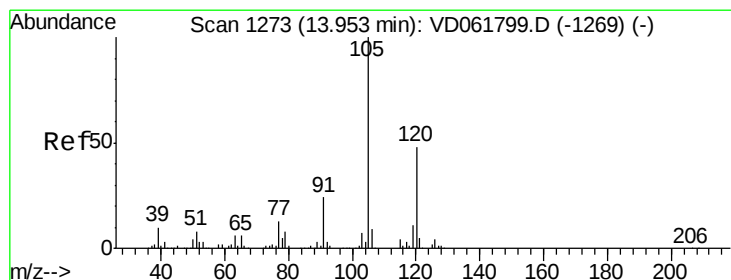
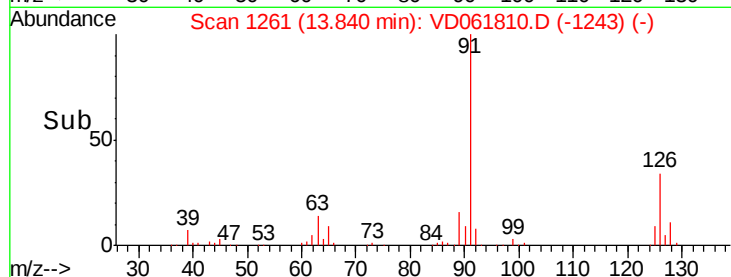
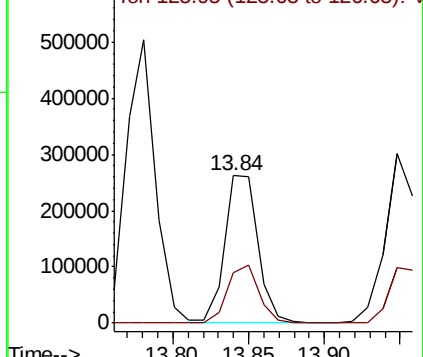
#79
 2-Chlorotoluene
 Concen: 22.233 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBSD01

Tgt Ion: 91 Resp: 398919
 Ion Ratio Lower Upper
 91 100
 126 34.3 18.6 55.8

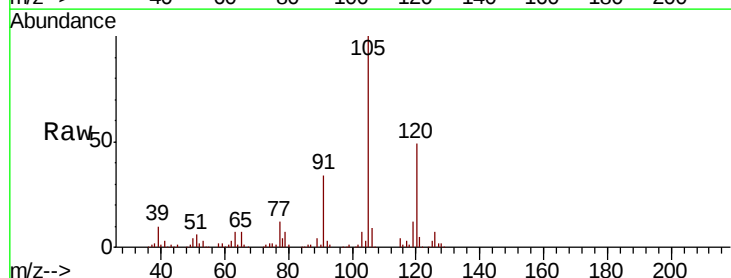


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

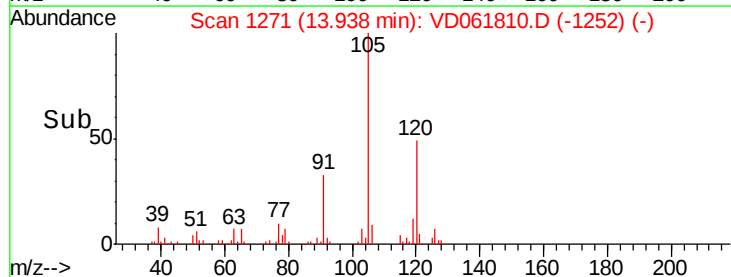
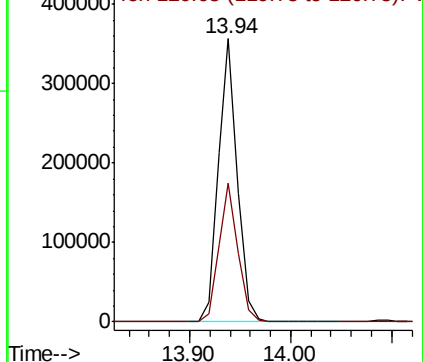


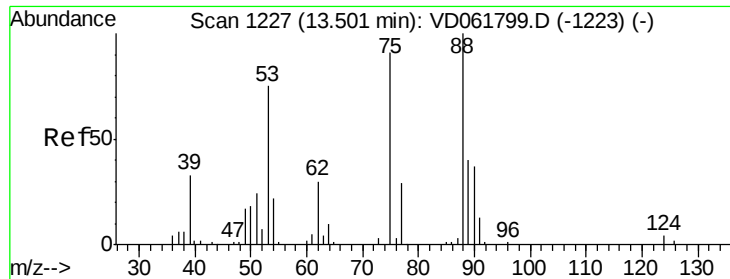
#80
 1,3,5-Trimethylbenzene
 Concen: 22.143 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 105 Resp: 467086
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 19.233 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBS01

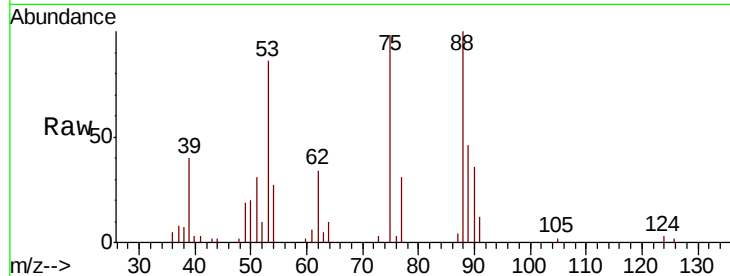
Tgt Ion: 75 Resp: 29738

Ion Ratio Lower Upper

75 100

53 87.9 65.8 98.8

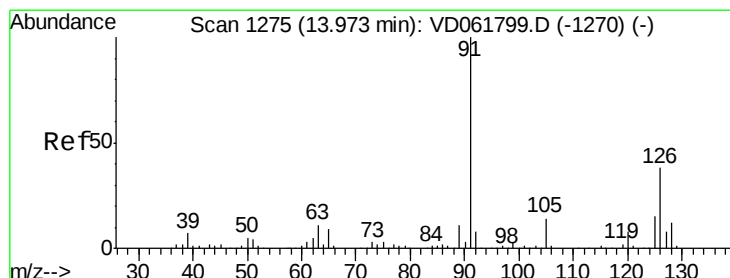
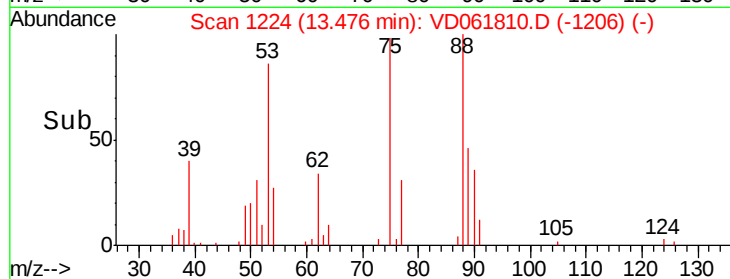
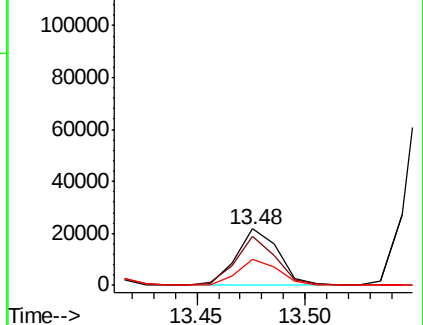
89 46.9 35.0 52.6



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: 21.232 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD061810.D

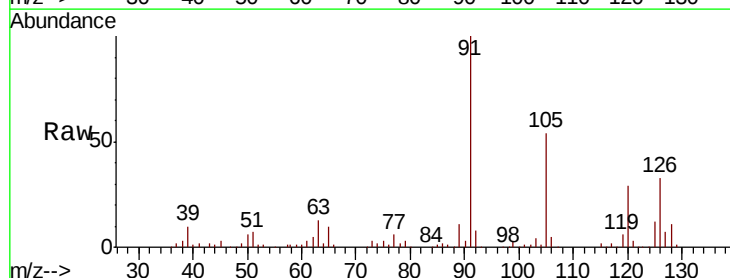
Acq: 16 Apr 2019 14:43

Tgt Ion: 91 Resp: 436046

Ion Ratio Lower Upper

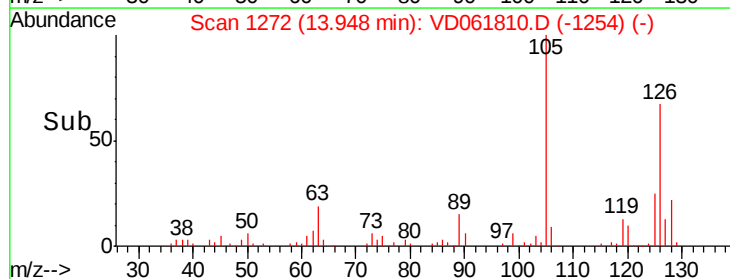
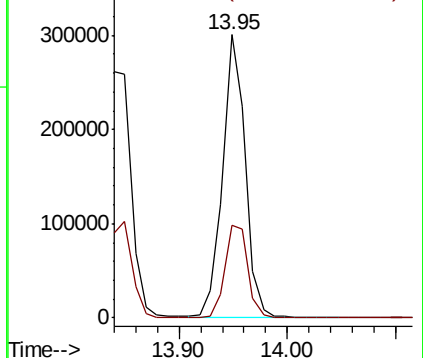
91 100

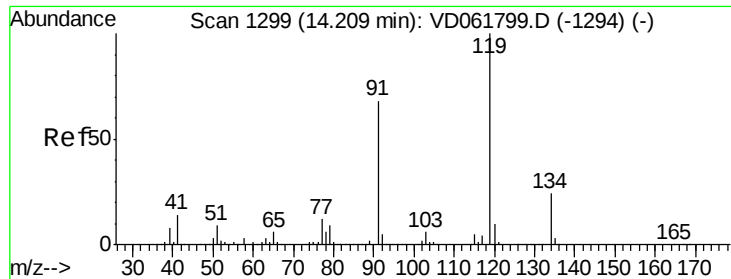
126 32.8 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

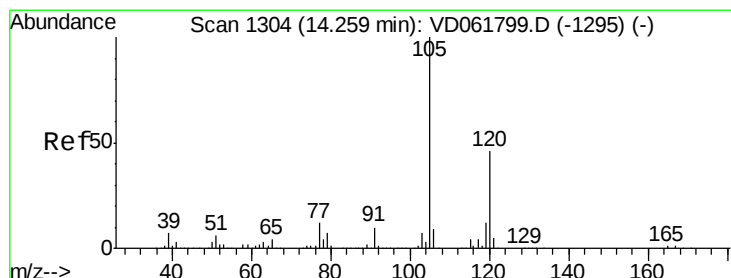
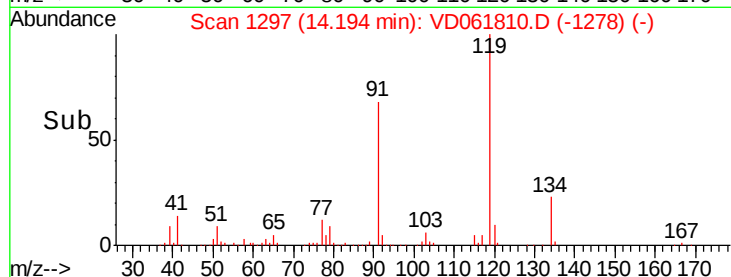
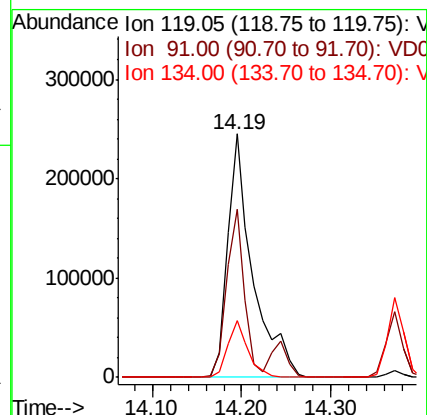
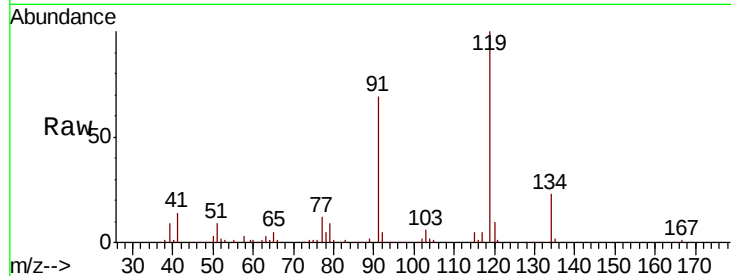




#83
 tert-Butylbenzene
 Concen: 19.578 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

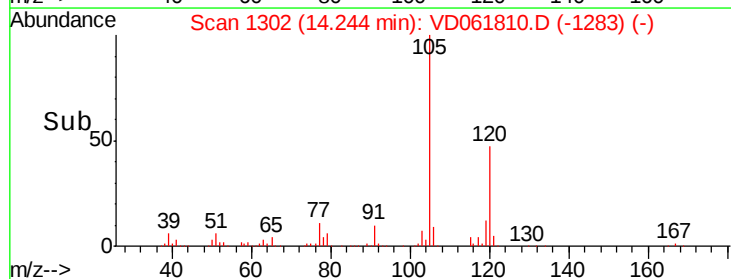
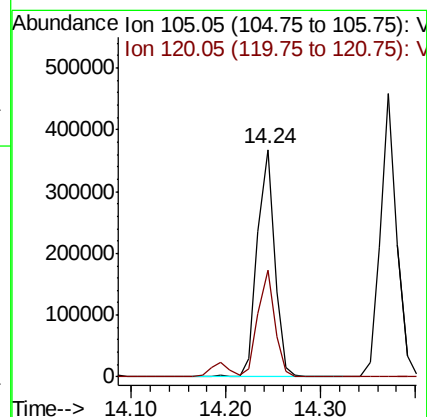
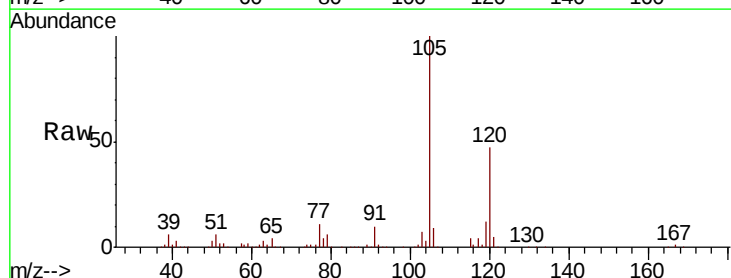
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

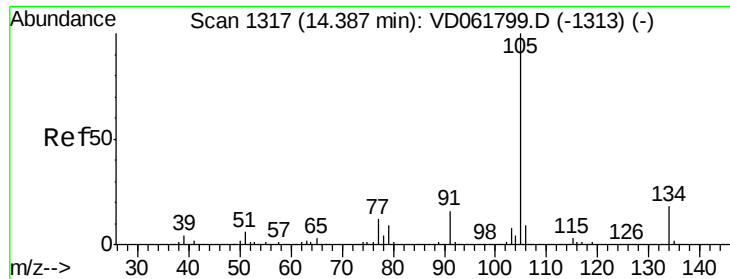
Tgt Ion:119 Resp: 484917
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.2 102.6
 134 23.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.199 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion:105 Resp: 470696
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.2

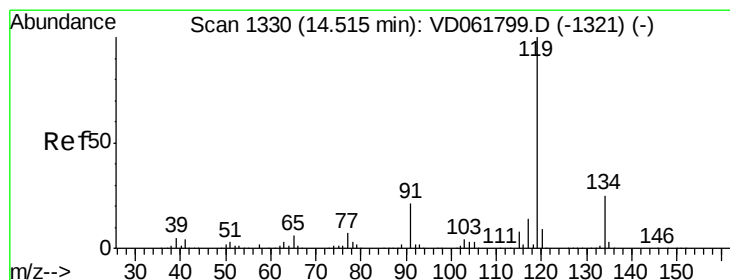
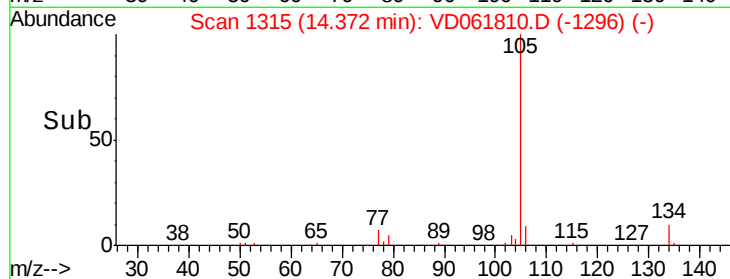
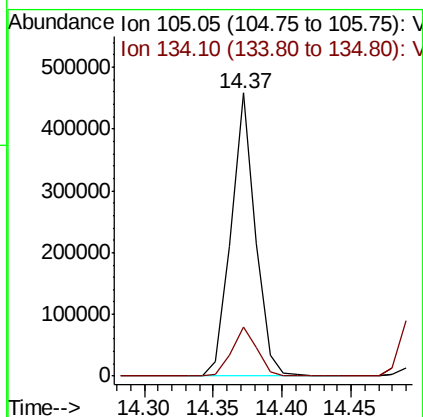
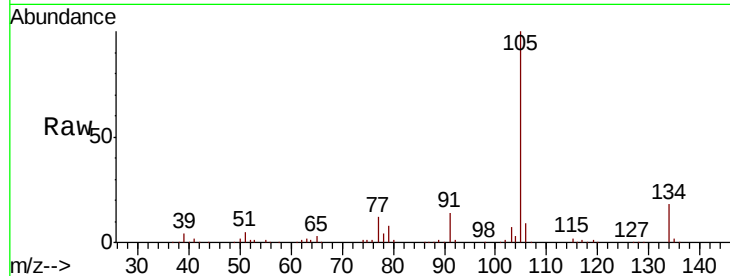




#85
 sec-Butylbenzene
 Concen: 21.906 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

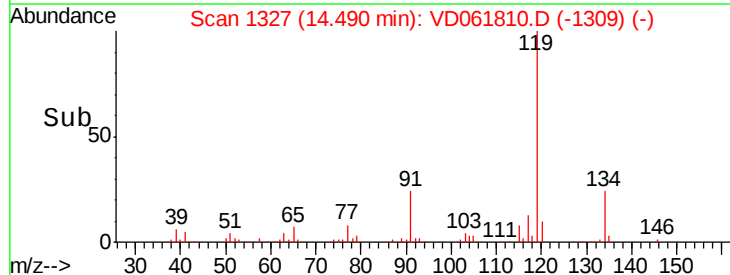
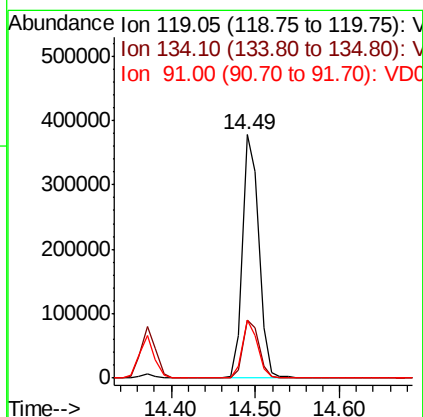
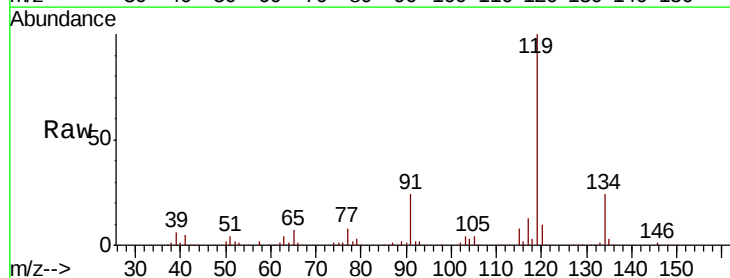
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBSD01

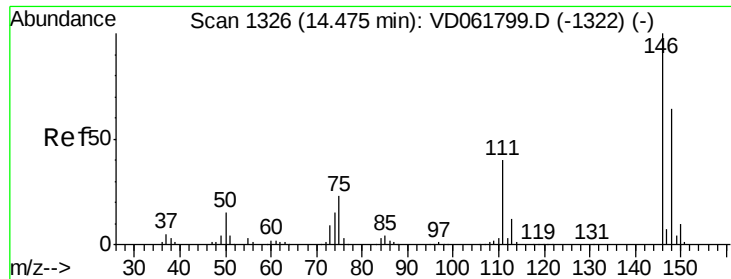
Tgt Ion:105 Resp: 560885
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.320 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.02 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion:119 Resp: 510765
 Ion Ratio Lower Upper
 119 100
 134 23.6 12.8 38.3
 91 23.7 10.7 32.1

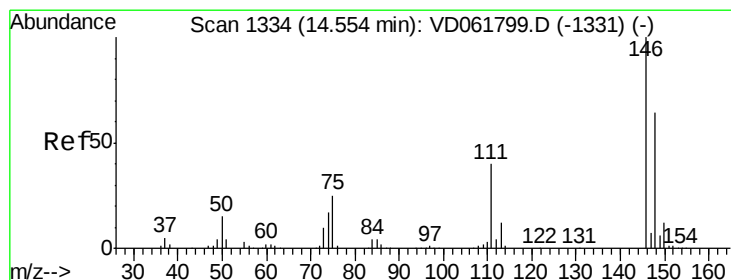
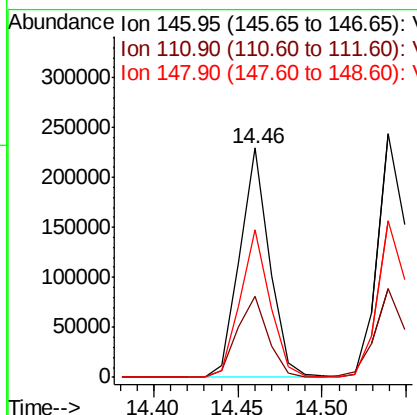
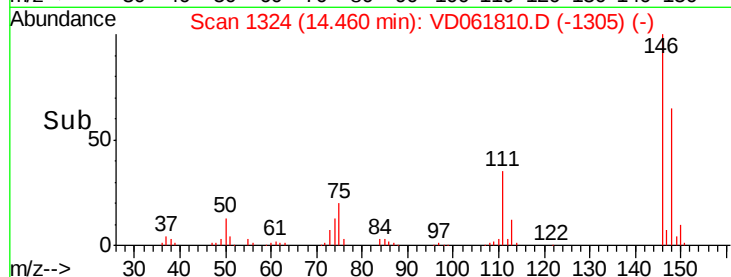
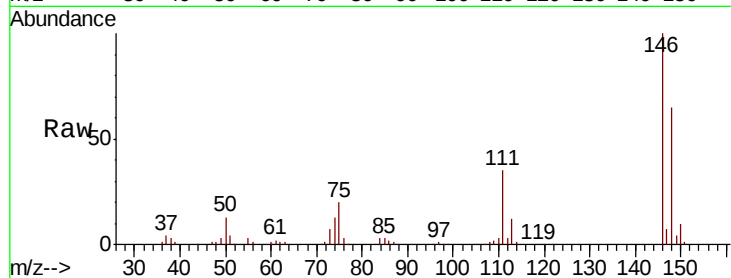




#87
 1,3-Dichlorobenzene
 Concen: 21.328 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

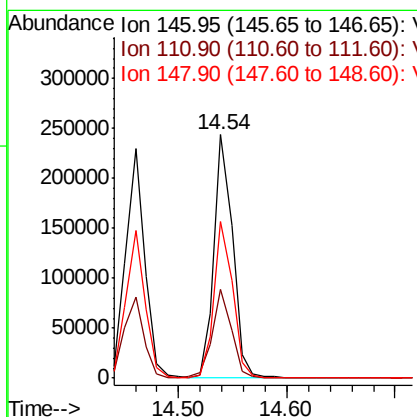
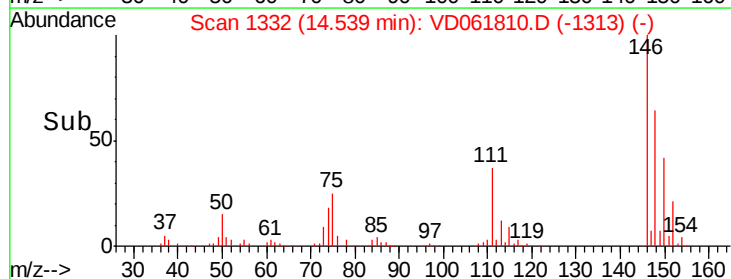
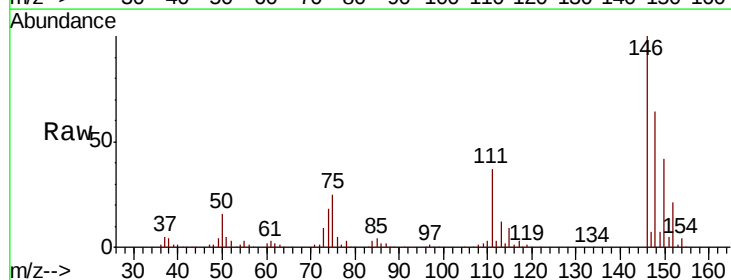
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

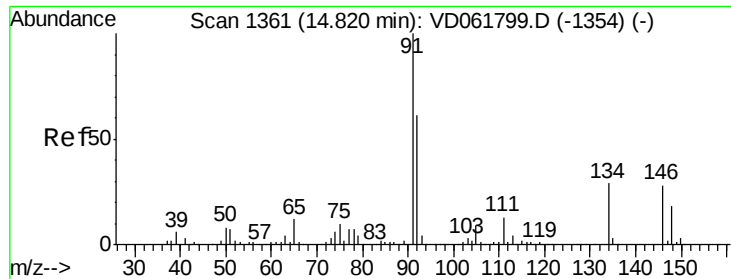
Tgt Ion:146 Resp: 281179
 Ion Ratio Lower Upper
 146 100
 111 35.4 20.0 60.0
 148 64.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.562 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion:146 Resp: 294027
 Ion Ratio Lower Upper
 146 100
 111 36.5 20.2 60.5
 148 64.3 32.0 96.2





#89

n-Butylbenzene

Concen: 21.714 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD061810.D

Acq: 16 Apr 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBSD01

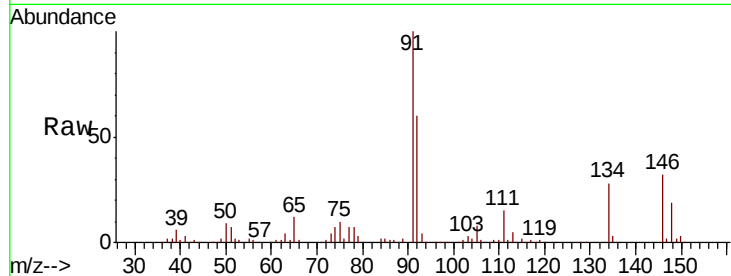
Tgt Ion: 91 Resp: 460457

Ion Ratio Lower Upper

91 100

92 60.1 30.3 91.0

134 27.5 14.5 43.6

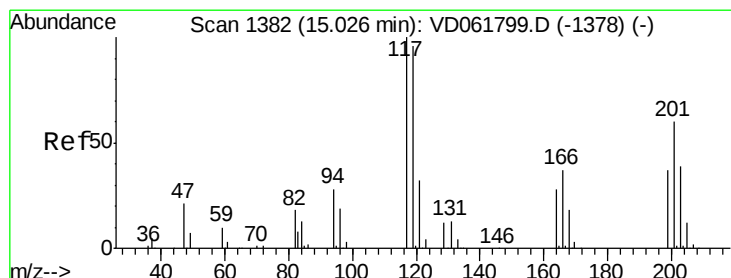
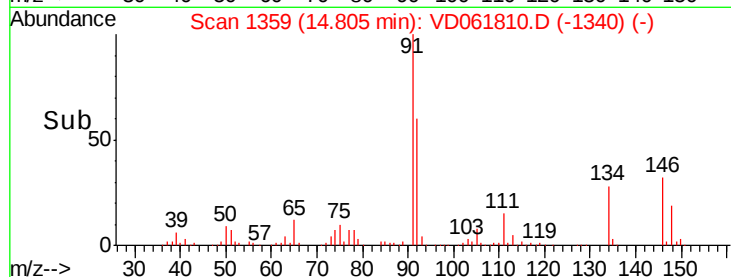


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time-->



#90

Hexachloroethane

Concen: 22.261 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD061810.D

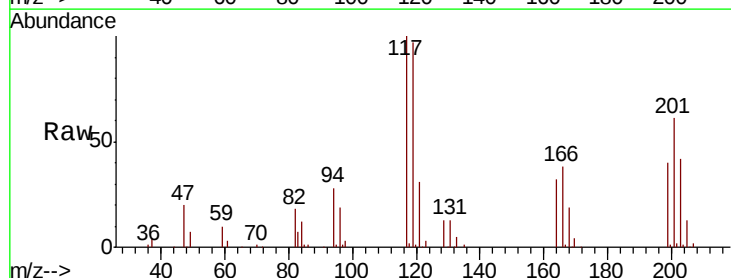
Acq: 16 Apr 2019 14:43

Tgt Ion: 117 Resp: 145359

Ion Ratio Lower Upper

117 100

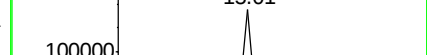
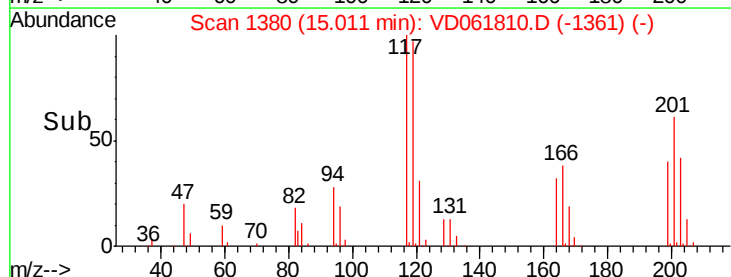
201 60.8 30.2 90.6

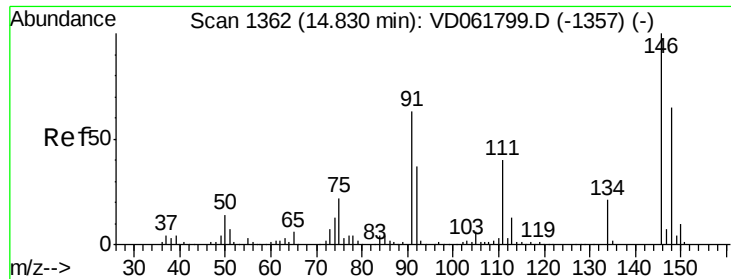


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

Time-->

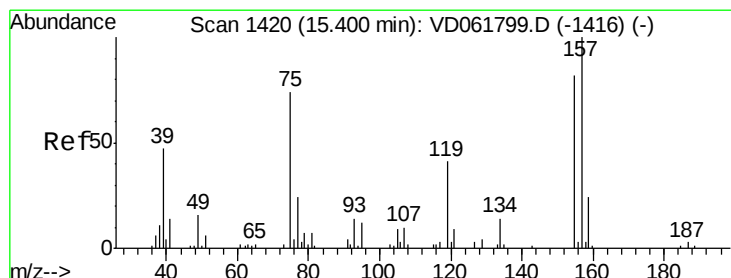
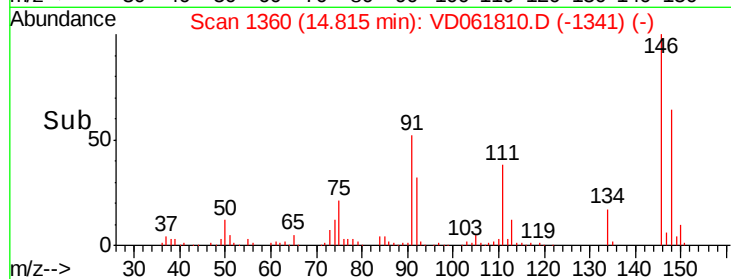
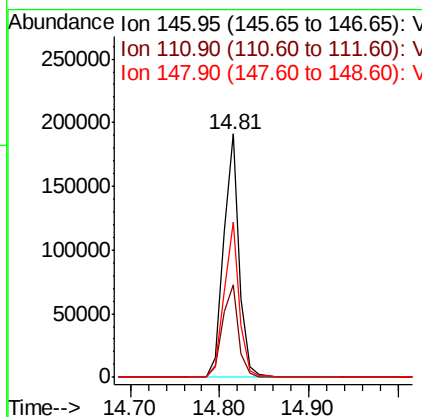
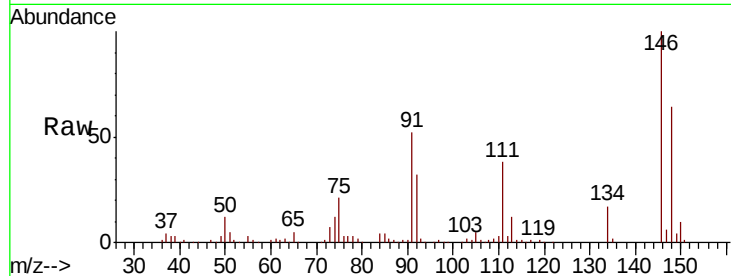




#91
 1,2-Dichlorobenzene
 Concen: 21.246 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

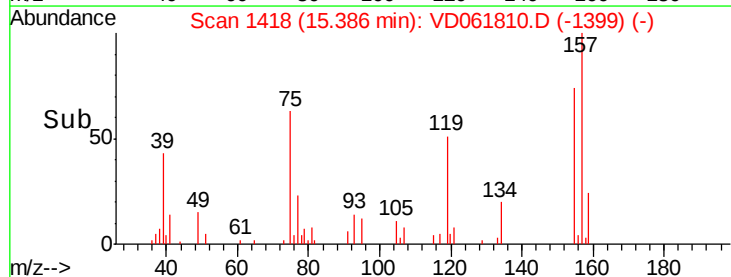
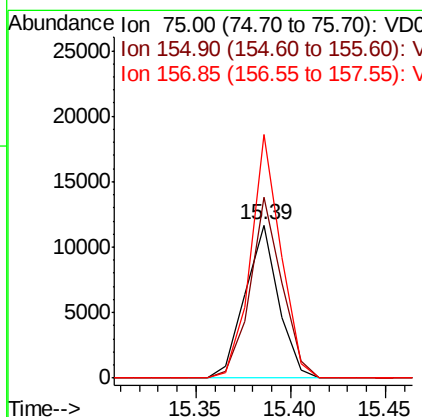
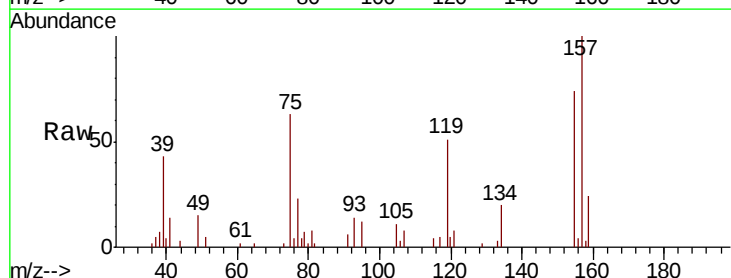
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBSD01

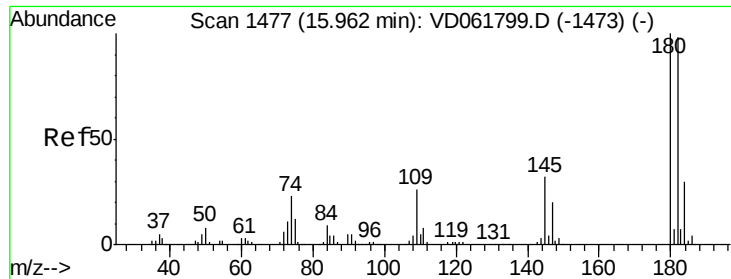
Tgt Ion: 146 Resp: 234621
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.0 59.9
 148 63.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.486 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion: 75 Resp: 14323
 Ion Ratio Lower Upper
 75 100
 155 118.1 55.3 165.8
 157 159.4 67.8 203.2

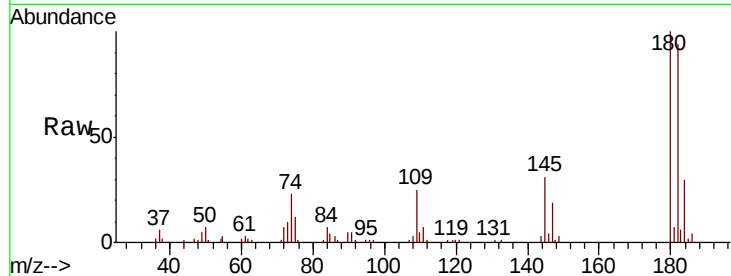




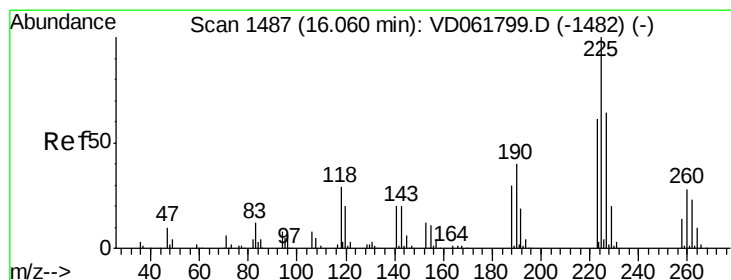
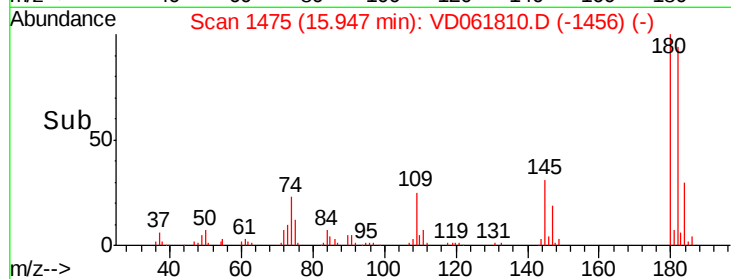
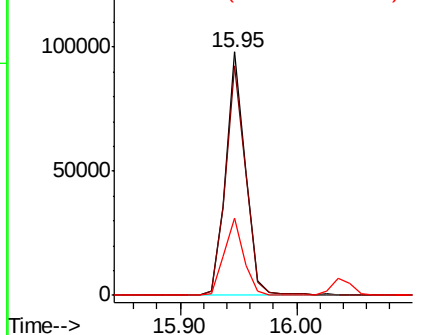
#93
 1,2,4-Trichlorobenzene
 Concen: 18.972 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	49.3	147.8
145	31.5	16.2	48.6

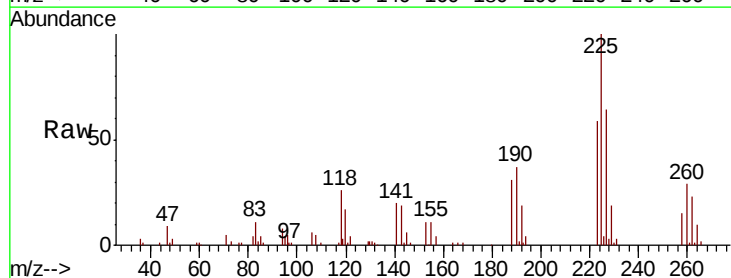


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

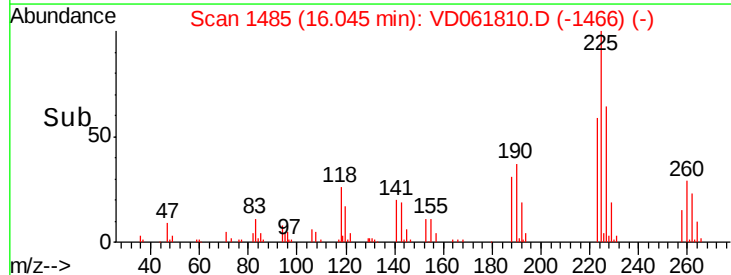
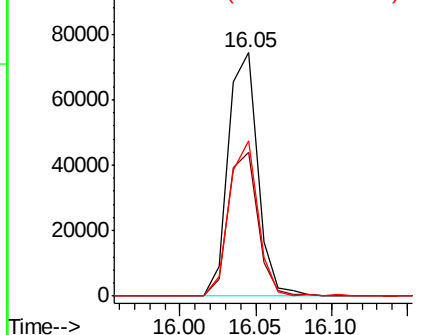


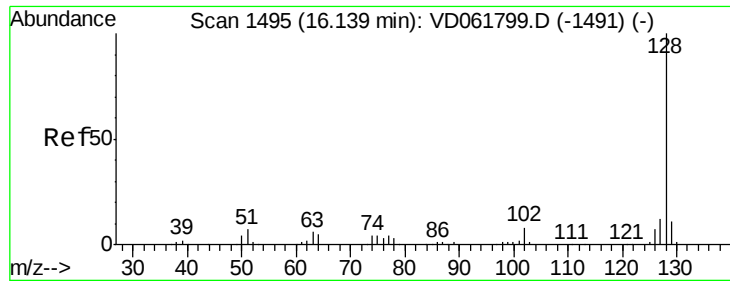
#94
 Hexachlorobutadiene
 Concen: 22.858 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD061810.D
 Acq: 16 Apr 2019 14:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.1	30.6	92.0
227	63.6	32.0	96.2



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

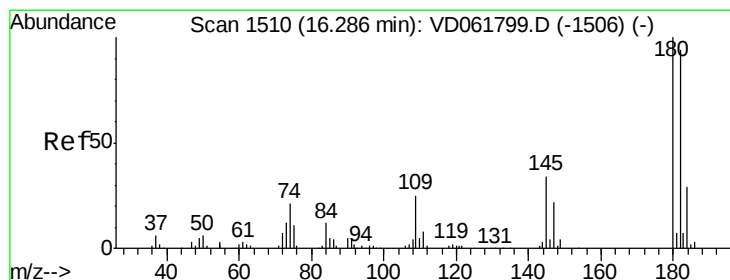
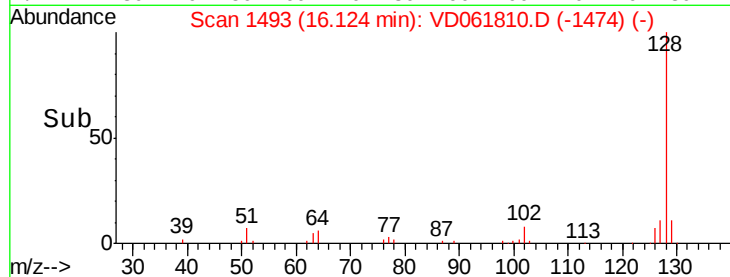
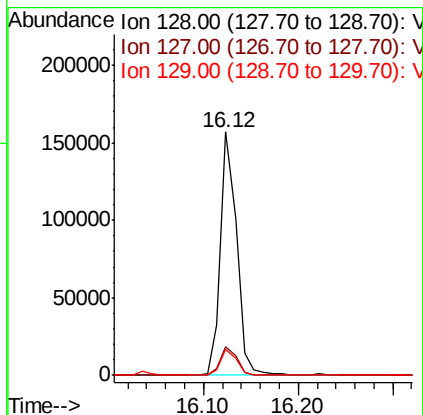
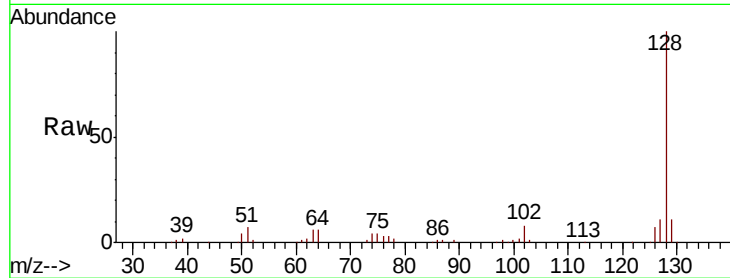




#95
Naphthalene
Concen: 20.023 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBS01

Tgt Ion:128 Resp: 186141
Ion Ratio Lower Upper
128 100
127 11.5 9.8 14.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.843 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD061810.D
Acq: 16 Apr 2019 14:43

Tgt Ion:180 Resp: 65129
Ion Ratio Lower Upper
180 100
182 92.8 47.0 141.0
145 34.1 17.0 51.0

