

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061239.D
 Acq On : 21 Mar 2019 12:41
 Operator : VA/AP
 Sample : VD0321SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

Quant Time: Mar 22 04:29:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	655255	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1084663	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	888177	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	403395	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	277434	50.87	ug/l	0.02
Spiked Amount 50.000			Recovery =	101.74%		
35) Dibromofluoromethane	6.94	113	411352	51.10	ug/l	0.02
Spiked Amount 50.000			Recovery =	102.20%		
50) Toluene-d8	10.42	98	986987	48.83	ug/l	0.02
Spiked Amount 50.000			Recovery =	97.66%		
62) 4-Bromofluorobenzene	13.56	95	376231	47.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.94%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	124571	19.192	ug/l	97
3) Chloromethane	1.76	50	112974	20.894	ug/l	98
4) Vinyl Chloride	1.87	62	103477	20.711	ug/l	97
5) Bromomethane	2.17	94	17599	17.189	ug/l #	90
6) Chloroethane	2.28	64	29643	19.822	ug/l #	86
7) Trichlorofluoromethane	2.54	101	151911	21.166	ug/l	97
8) Diethyl Ether	2.90	74	49279	20.813	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.17	101	166740	20.780	ug/l	96
10) Methyl Iodide	3.33	142	178648	18.152	ug/l	96
11) Tert butyl alcohol	4.08	59	36267	104.447	ug/l	95
12) 1,1-Dichloroethene	3.14	96	131538	19.998	ug/l	100
13) Acrolein	3.05	56	26542	52.830	ug/l	85
14) Allyl chloride	3.65	41	203886	19.374	ug/l	93
15) Acrylonitrile	4.22	53	125191	102.012	ug/l	97
16) Acetone	3.24	43	159129	102.026	ug/l	97
17) Carbon Disulfide	3.40	76	382639	17.246	ug/l	100
18) Methyl Acetate	3.65	43	59508	19.387	ug/l #	86
19) Methyl tert-butyl Ether	4.26	73	251236	21.795	ug/l	99
20) Methylene Chloride	3.83	84	168828	21.039	ug/l	96
21) trans-1,2-Dichloroethene	4.25	96	144613	20.313	ug/l	92
22) Diisopropyl ether	5.14	45	435184	19.920	ug/l	97
23) Vinyl Acetate	5.08	43	1145062	102.103	ug/l	99
24) 1,1-Dichloroethane	5.01	63	237674	19.856	ug/l	97
25) 2-Butanone	6.09	43	188974	106.776	ug/l	95
26) 2,2-Dichloropropane	6.05	77	198225	21.214	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	157828	20.895	ug/l	99
28) Bromochloromethane	6.46	49	90046	17.770	ug/l	92
29) Tetrahydrofuran	6.47	42	91802	95.527	ug/l	95
30) Chloroform	6.69	83	258257	20.818	ug/l	99
31) Cyclohexane	6.97	56	183955	19.060	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	224333	20.916	ug/l	97
36) 1,1-Dichloropropene	7.16	75	196889	21.058	ug/l	98
37) Ethyl Acetate	6.20	43	86714	19.764	ug/l	96
38) Carbon Tetrachloride	7.13	117	226463	21.989	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	205998	21.248	ug/l	97
40) Benzene	7.47	78	490783	21.007	ug/l	99
41) Methacrylonitrile	6.47	41	98536	19.525	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	147232	21.717	ug/l	100
43) Isopropyl Acetate	9.25	43	125409	20.637	ug/l #	98
44) Trichloroethene	8.56	130	176144	21.854	ug/l	96
45) 1,2-Dichloropropane	8.95	63	129913	21.166	ug/l	95
46) Dibromomethane	9.08	93	86264	22.157	ug/l	97
47) Bromodichloromethane	9.38	83	190426	21.674	ug/l	95
48) Methyl methacrylate	9.14	41	71725	20.963	ug/l	91
49) 1,4-Dioxane	9.09	88	15245	440.645	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	388432	104.339	ug/l	97
52) Toluene	10.52	92	291918	20.094	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	162638	20.245	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	206296	21.372	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	106588	22.031	ug/l	97
56) Ethyl methacrylate	11.05	69	110452	21.811	ug/l	97
57) 1,3-Dichloropropane	11.42	76	153314	21.206	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	268298	100.093	ug/l	100
59) 2-Hexanone	11.54	43	301019	110.538	ug/l	96
60) Dibromochloromethane	11.70	129	162342	22.800	ug/l	99
61) 1,2-Dibromoethane	11.82	107	123873	22.010	ug/l	95
64) Tetrachloroethene	11.26	164	128696	21.465	ug/l	97
65) Chlorobenzene	12.41	112	377230	21.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	141003	22.718	ug/l	99
67) Ethyl Benzene	12.53	91	576050	22.222	ug/l	100
68) m/p-Xylenes	12.67	106	478478	47.028	ug/l	99
69) o-Xylene	13.06	106	201083	20.106	ug/l	93
70) Styrene	13.08	104	330766	20.254	ug/l	97
71) Bromoform	13.24	173	90107	22.505	ug/l	94
73) Isopropylbenzene	13.41	105	582020	20.020	ug/l	99
74) N-amyl acetate	13.27	43	152209	18.594	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	113014	19.925	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	120874	20.828	ug/l	98
77) Bromobenzene	13.68	156	150188	20.238	ug/l	96
78) n-propylbenzene	13.77	91	679252	19.958	ug/l	97
79) 2-Chlorotoluene	13.84	91	405500	21.641	ug/l	99
80) 1,3,5-Trimethylbenzene	14.25	105	491954	22.290	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	32546	19.022	ug/l	96
82) 4-Chlorotoluene	13.95	91	445611	20.117	ug/l	98
83) tert-Butylbenzene	14.20	119	566190	23.441	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	491954	22.290	ug/l	96
85) sec-Butylbenzene	14.38	105	626866	21.259	ug/l	100
86) p-Isopropyltoluene	14.49	119	520586	21.599	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	275912	20.821	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	264378	20.302	ug/l	99
89) n-Butylbenzene	14.80	91	458505	19.809	ug/l	98
90) Hexachloroethane	15.02	117	142181	20.891	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	232415	21.038	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12325	18.032	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

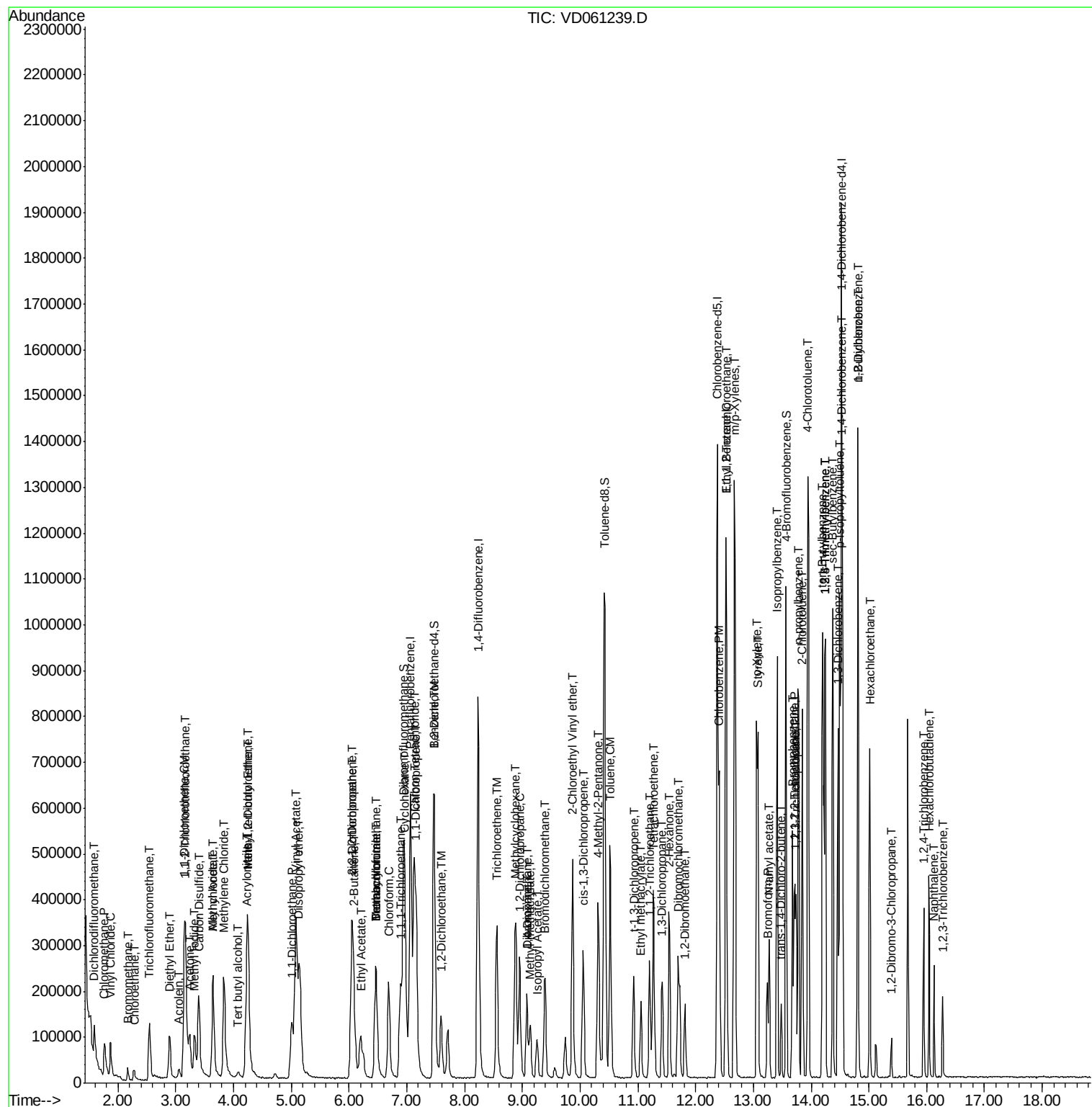
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	94032	18.348	ug/l	99
94) Hexachlorobutadiene	16.04	225	73076	18.852	ug/l	98
95) Naphthalene	16.13	128	142056	18.241	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	41235	16.291	ug/l	91

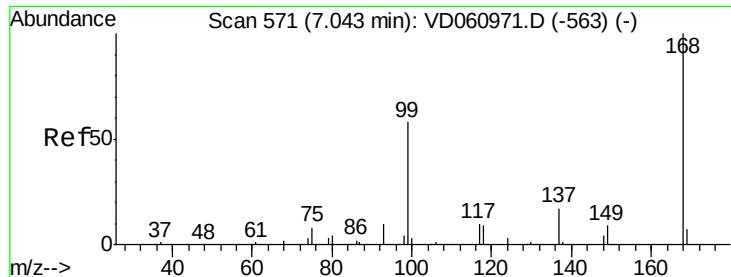
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

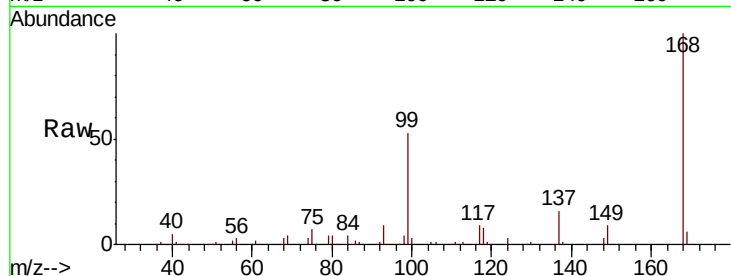
VD0321SBS01

Tot Ion:168 Resp: 655255

Ion Ratio Lower Upper

168 100

99 52.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

150000

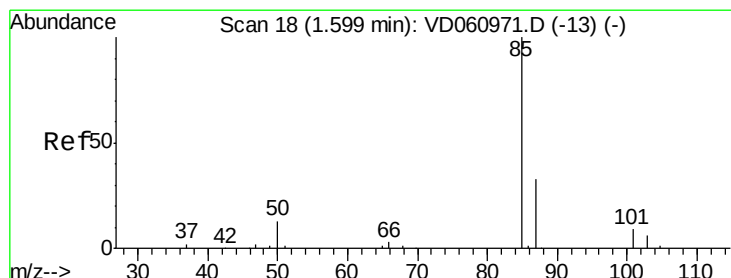
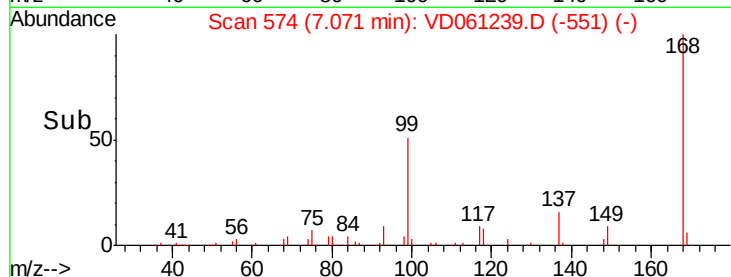
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.192 ug/l

RT: 1.60 min Scan# 18

Delta R.T. -0.00 min

Lab File: VD061239.D

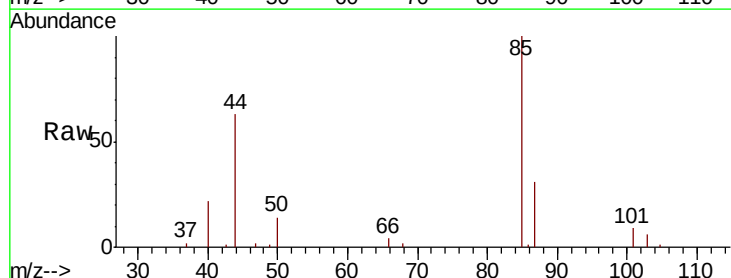
Acq: 21 Mar 2019 12:41

Tgt Ion: 85 Resp: 124571

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

50000

40000

30000

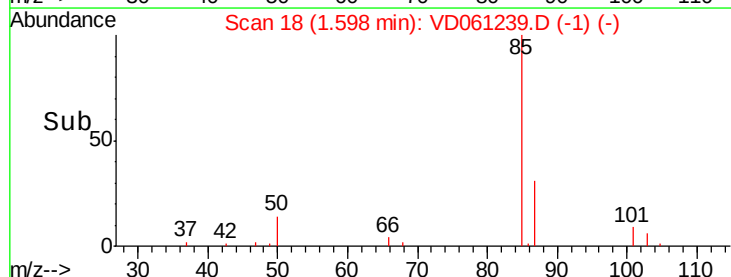
20000

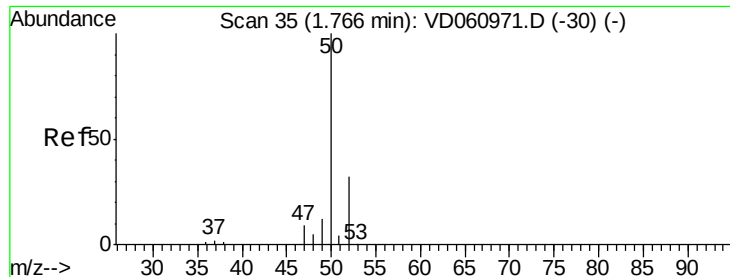
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.894 ug/l

RT: 1.76 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

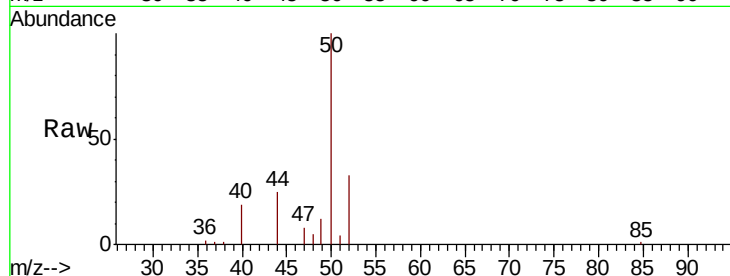
VD0321SBS01

Tot Ion: 50 Resp: 112974

Ion Ratio Lower Upper

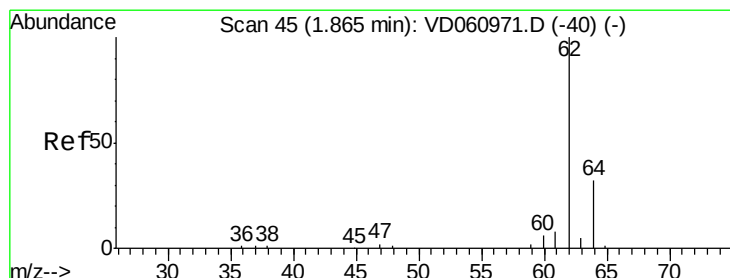
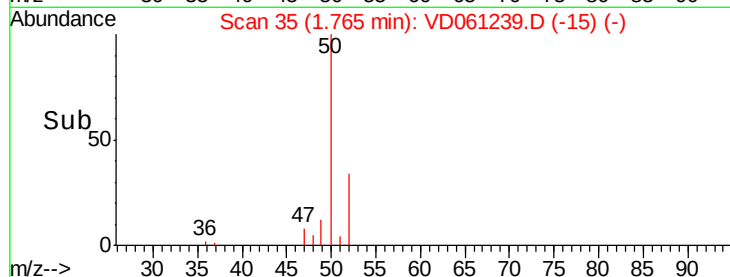
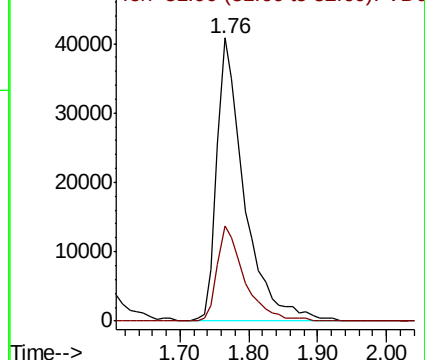
50 100

52 33.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.711 ug/l

RT: 1.87 min Scan# 46

Delta R.T. 0.01 min

Lab File: VD061239.D

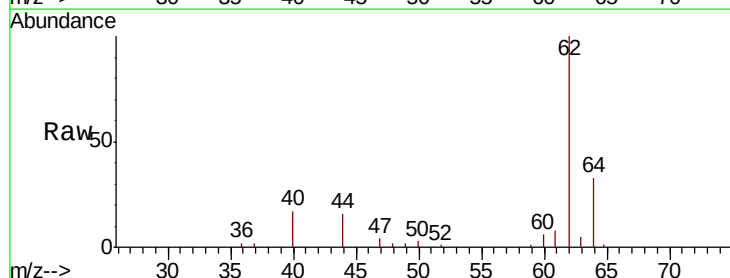
Acq: 21 Mar 2019 12:41

Tgt Ion: 62 Resp: 103477

Ion Ratio Lower Upper

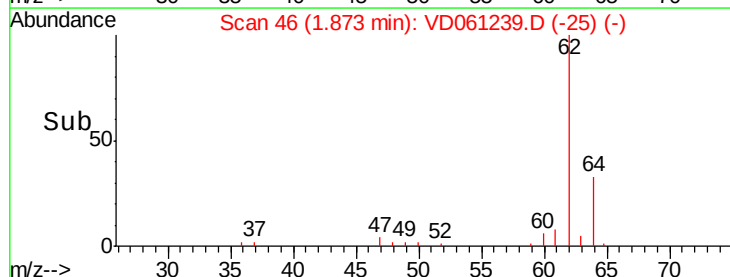
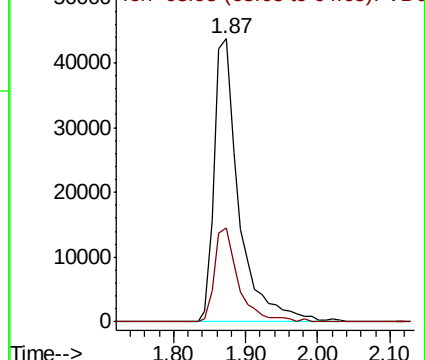
62 100

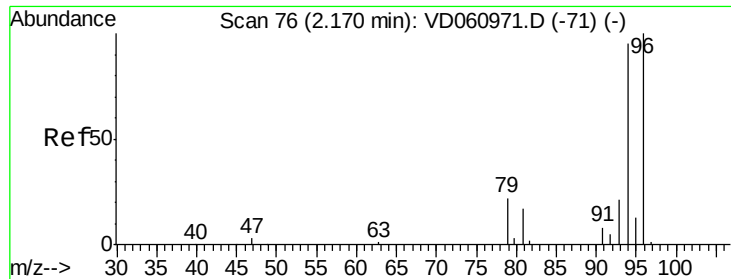
64 33.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.189 ug/l

RT: 2.17 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

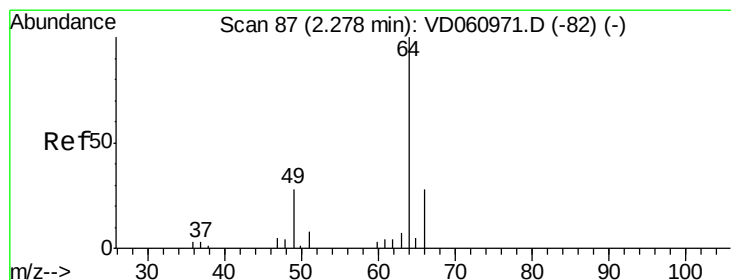
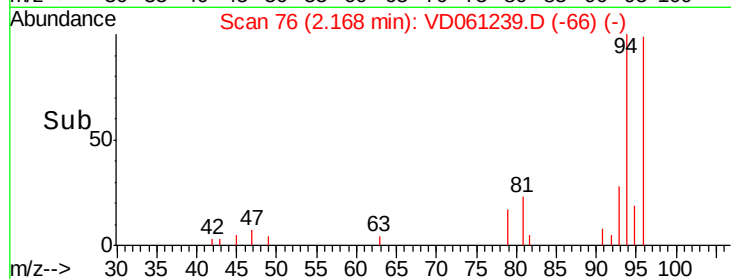
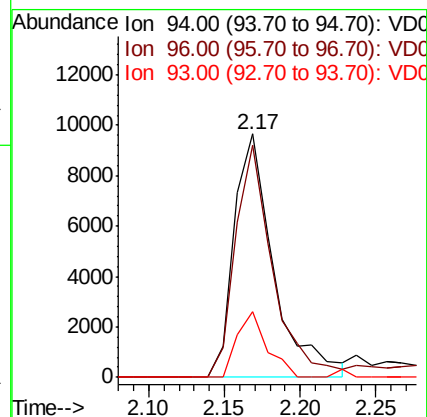
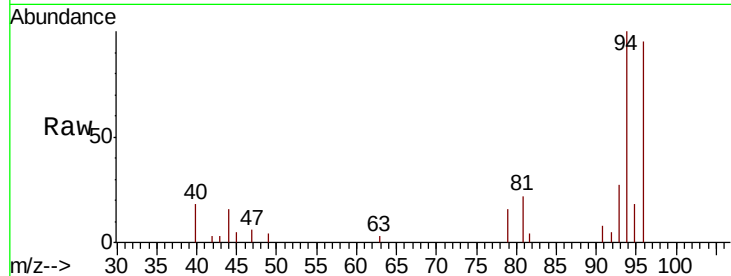
Tot Ion: 94 Resp: 17599

Ion Ratio Lower Upper

94 100

96 95.3 84.0 126.0

93 26.9 17.3 25.9#



#6

Chloroethane

Concen: 19.822 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD061239.D

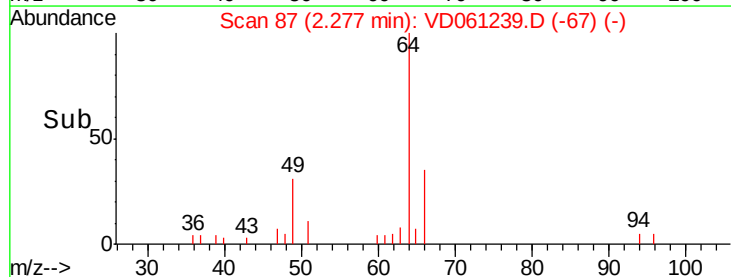
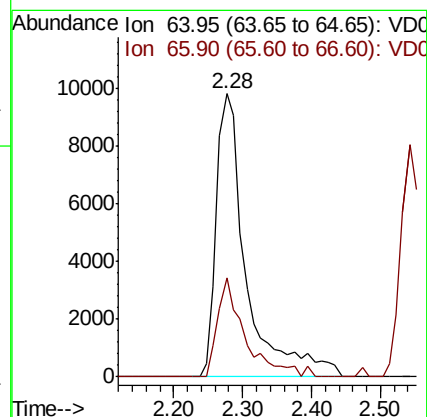
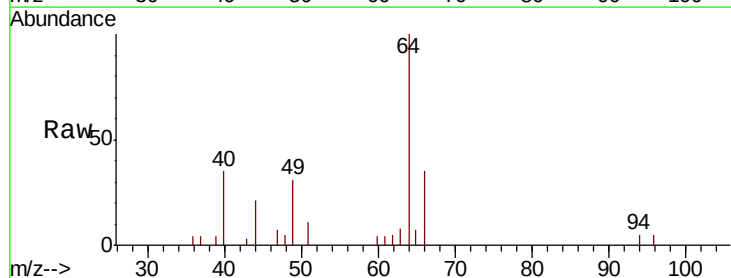
Acq: 21 Mar 2019 12:41

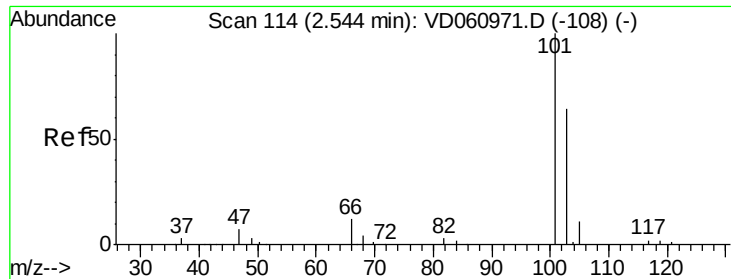
Tgt Ion: 64 Resp: 29643

Ion Ratio Lower Upper

64 100

66 35.0 22.2 33.2#



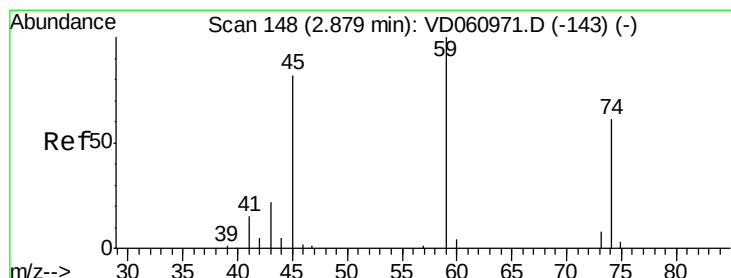
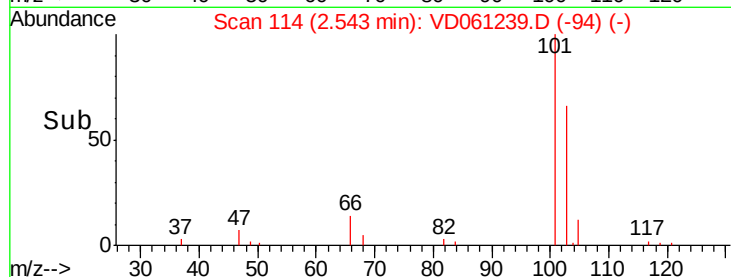
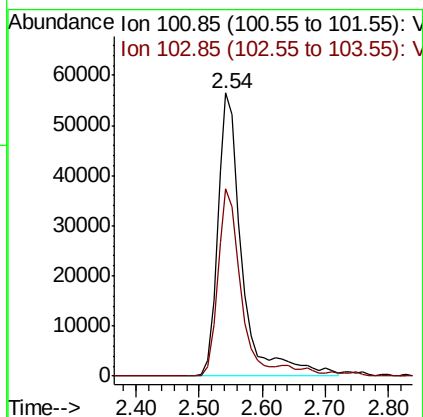
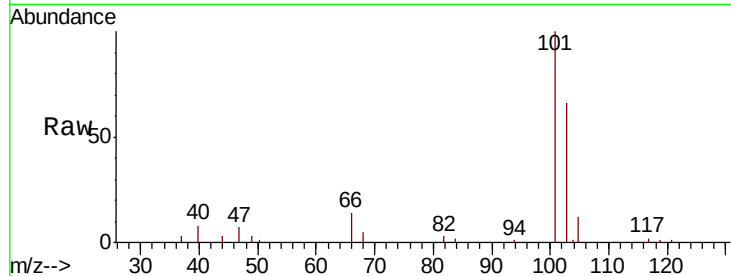


#7

Trichlorofluoromethane
 Concen: 21.166 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

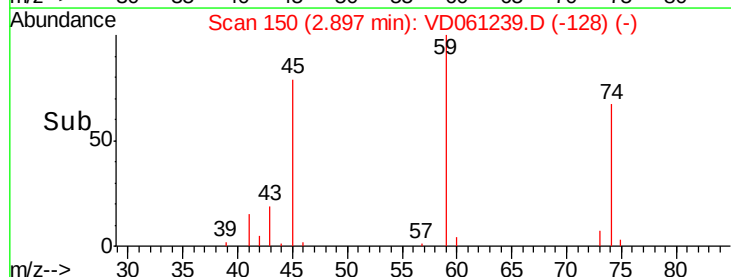
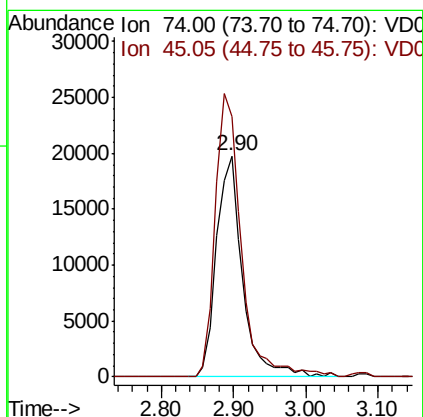
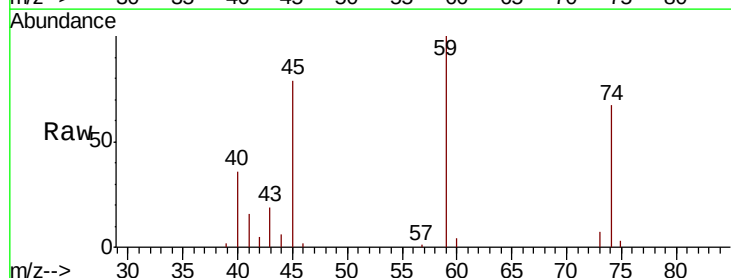
Tot Ion:101 Resp: 151911
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.2 76.8

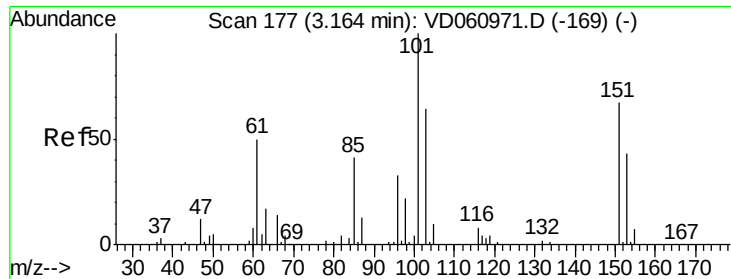


#8

Diethyl Ether
 Concen: 20.813 ug/l
 RT: 2.90 min Scan# 150
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion: 74 Resp: 49279
 Ion Ratio Lower Upper
 74 100
 45 117.7 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.780 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

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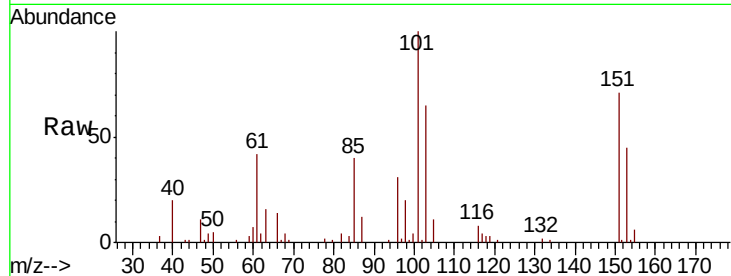
Tot Ion:101 Resp: 166740

Ion Ratio Lower Upper

101 100

85 39.5 32.5 48.7

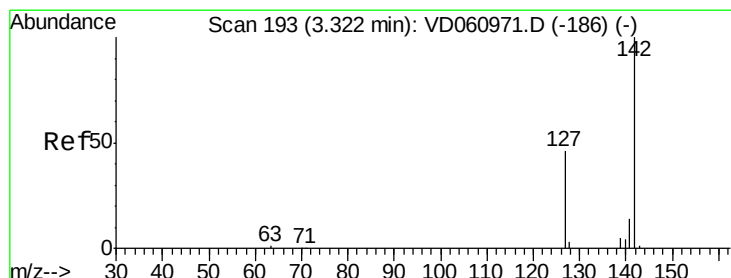
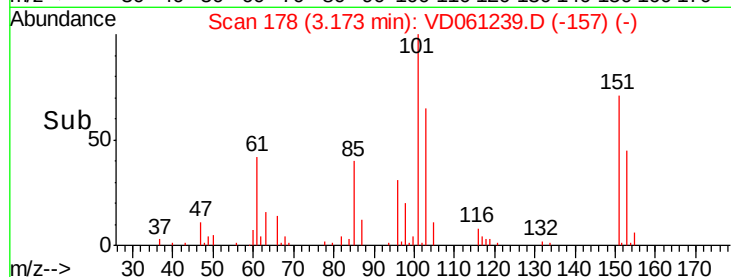
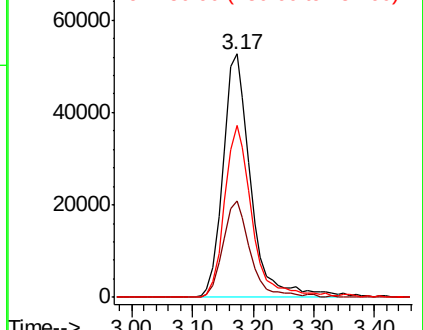
151 70.6 53.3 79.9



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: 18.152 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

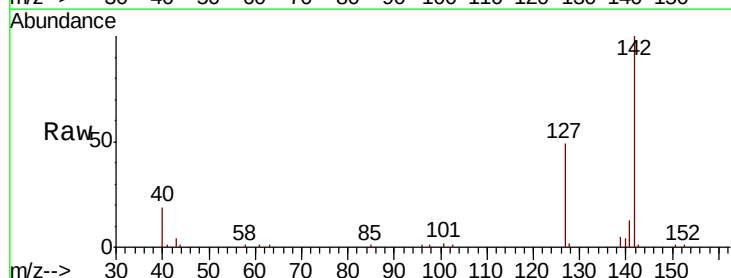
Tgt Ion:142 Resp: 178648

Ion Ratio Lower Upper

142 100

127 48.9 36.8 55.2

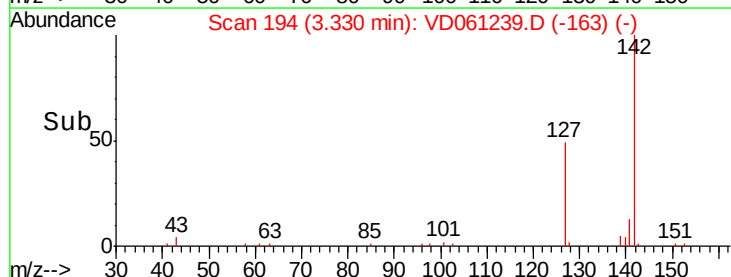
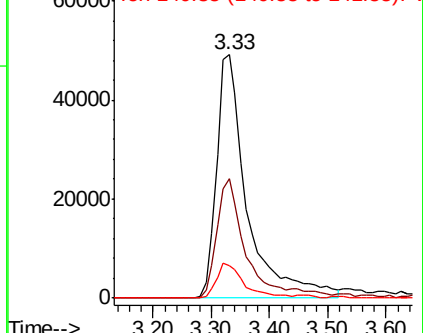
141 13.4 11.2 16.8

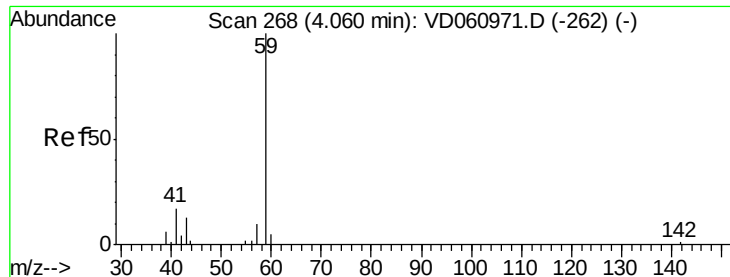


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

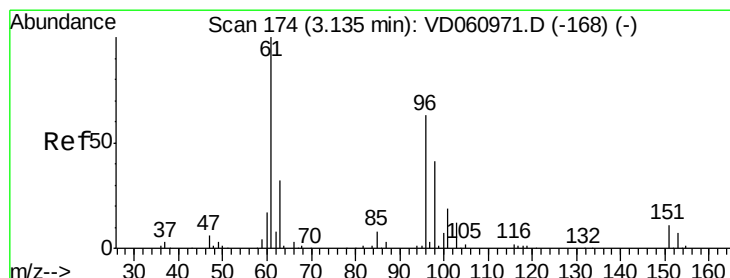
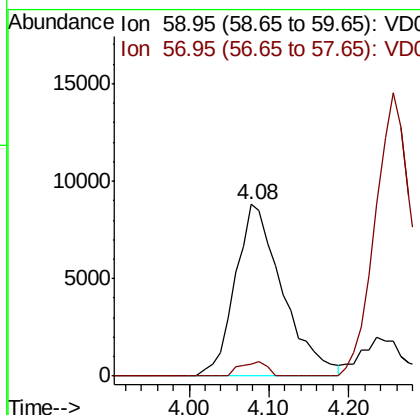
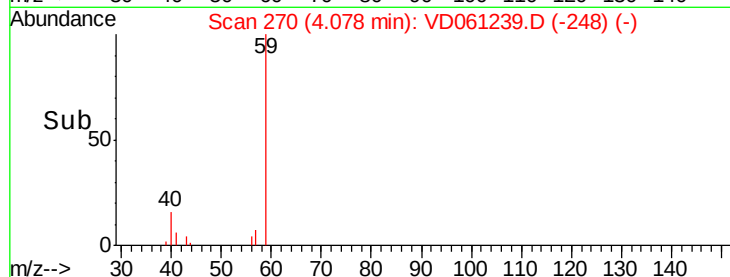
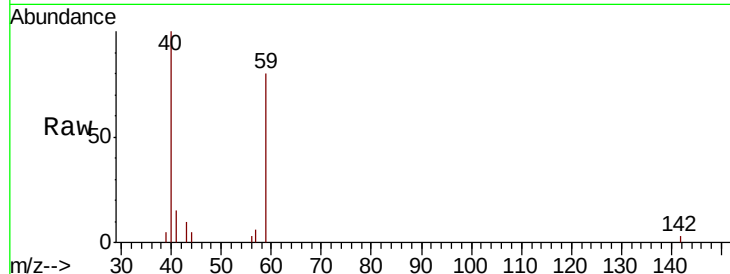




#11
Tert butyl alcohol
Concen: 104.447 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

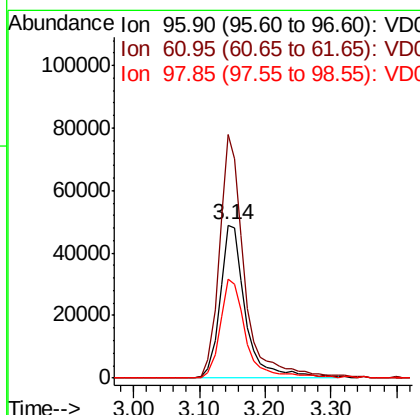
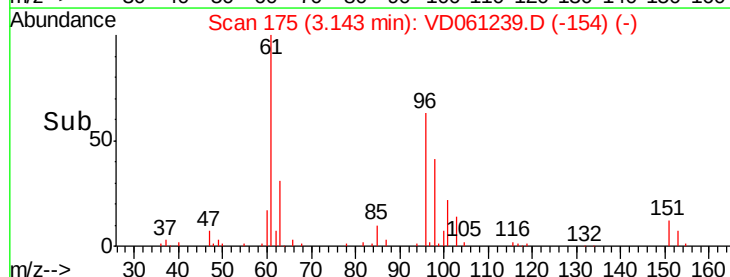
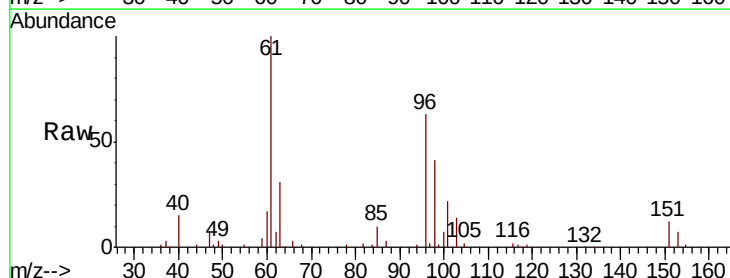
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

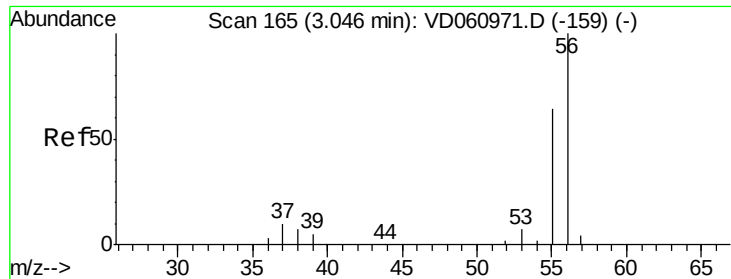
Tot Ion: 59 Resp: 36267
Ion Ratio Lower Upper
59 100
57 7.1 7.1 10.7



#12
1,1-Dichloroethene
Concen: 19.998 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 96 Resp: 131538
Ion Ratio Lower Upper
96 100
61 158.9 127.1 190.7
98 64.6 51.5 77.3

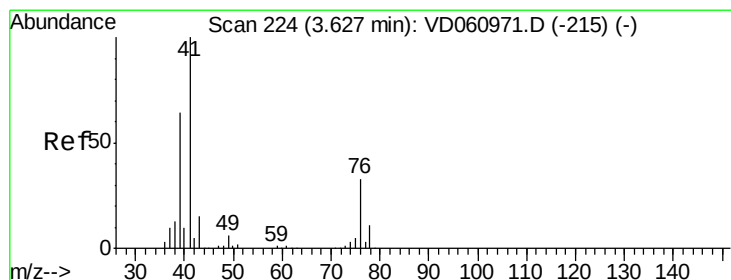
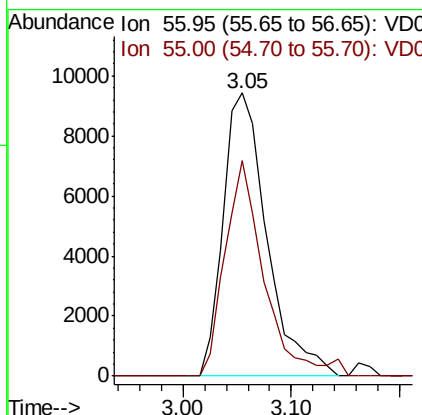
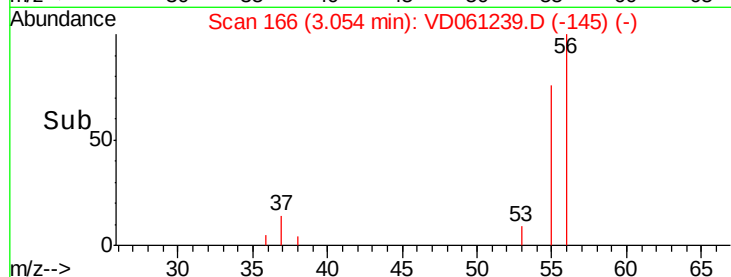
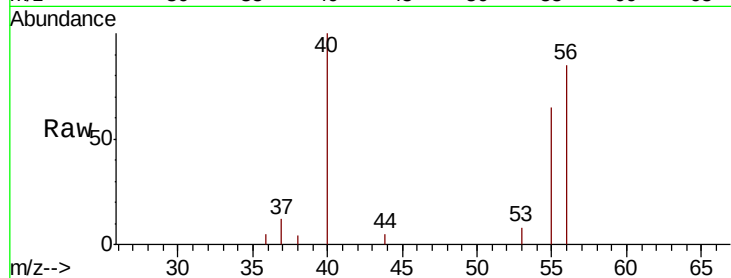




#13
Acrolein
Concen: 52.830 ug/l
RT: 3.05 min Scan# 166
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

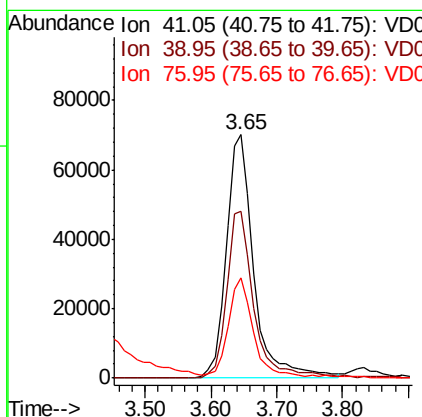
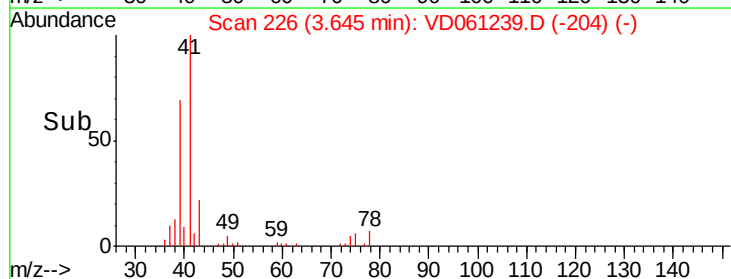
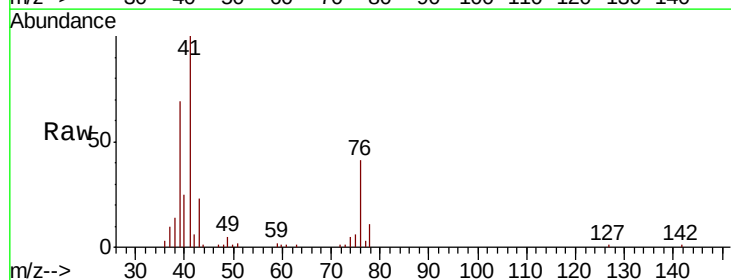
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

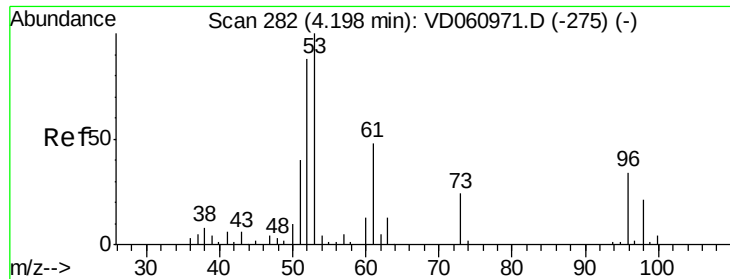
Tot Ion: 56 Resp: 26542
Ion Ratio Lower Upper
56 100
55 76.0 51.3 76.9



#14
Allyl chloride
Concen: 19.374 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 41 Resp: 203886
Ion Ratio Lower Upper
41 100
39 68.6 51.1 76.7
76 41.1 29.1 43.7





#15

Acrylonitrile

Concen: 102.012 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

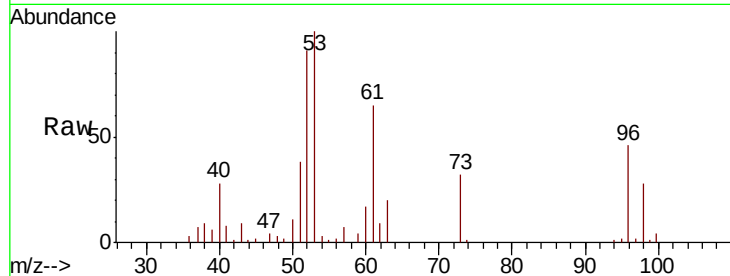
Tot Ion: 53 Resp: 125191

Ion Ratio Lower Upper

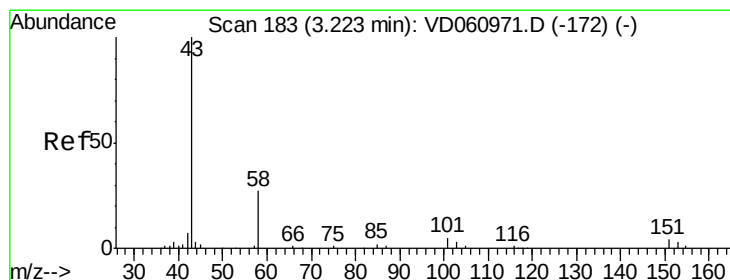
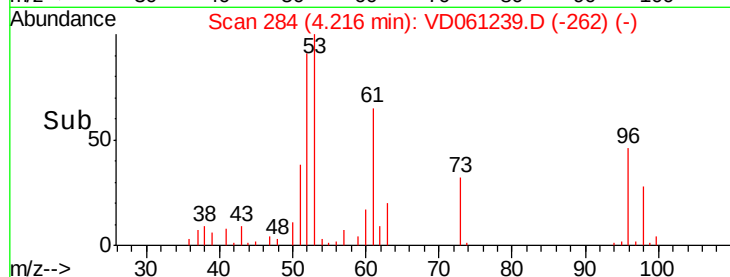
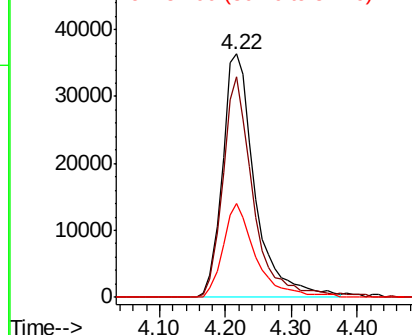
53 100

52 90.5 70.2 105.4

51 38.4 31.7 47.5



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: 102.026 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061239.D

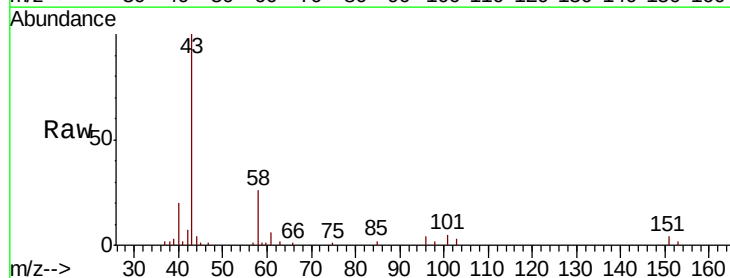
Acq: 21 Mar 2019 12:41

Tgt Ion: 43 Resp: 159129

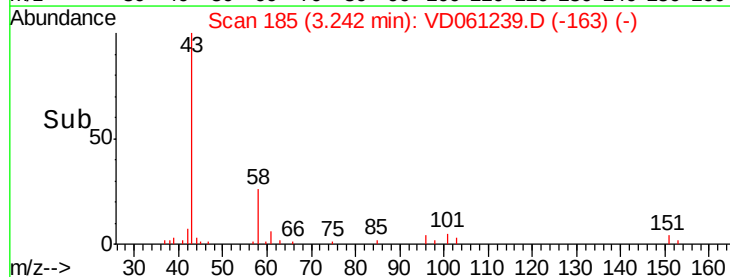
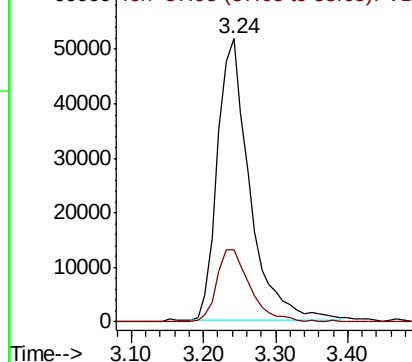
Ion Ratio Lower Upper

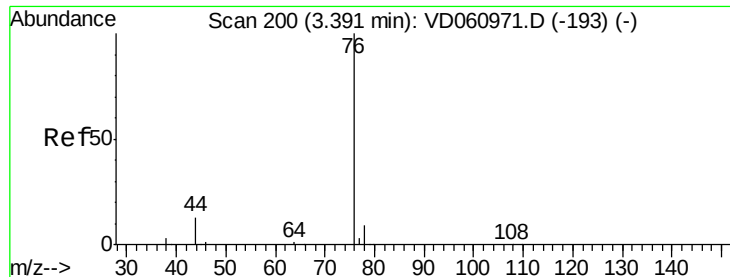
43 100

58 25.7 21.6 32.4



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





#17

Carbon Disulfide

Concen: 17.246 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

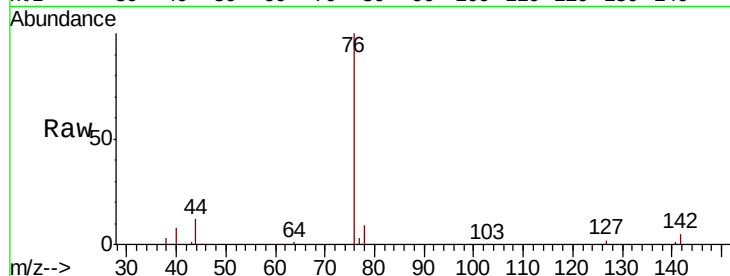
VD0321SBS01

Tot Ion: 76 Resp: 382639

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

150000

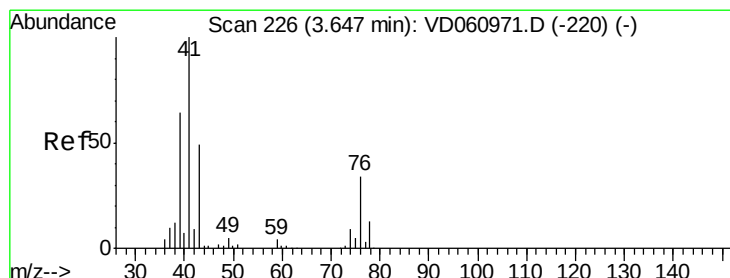
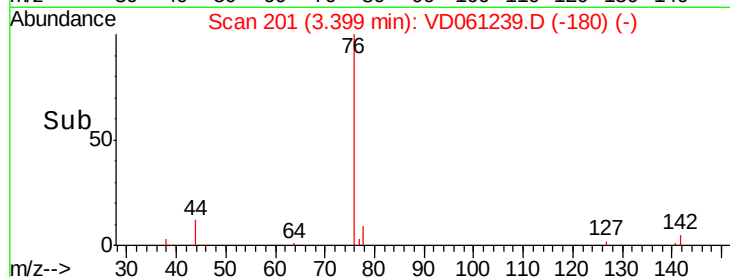
100000

50000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 19.387 ug/l

RT: 3.65 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061239.D

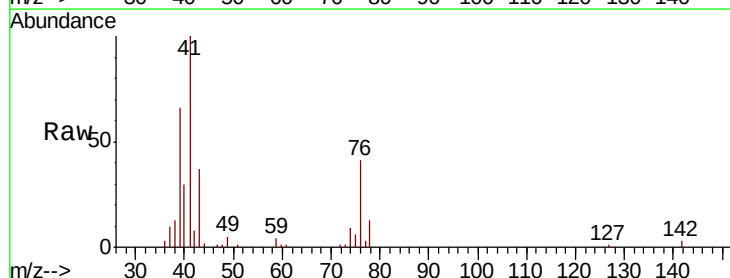
Acq: 21 Mar 2019 12:41

Tgt Ion: 43 Resp: 59508

Ion Ratio Lower Upper

43 100

74 24.6 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

20000

15000

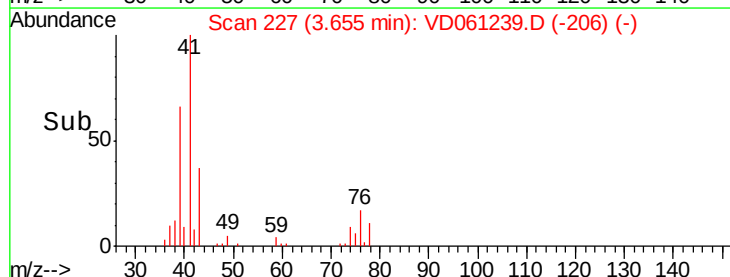
10000

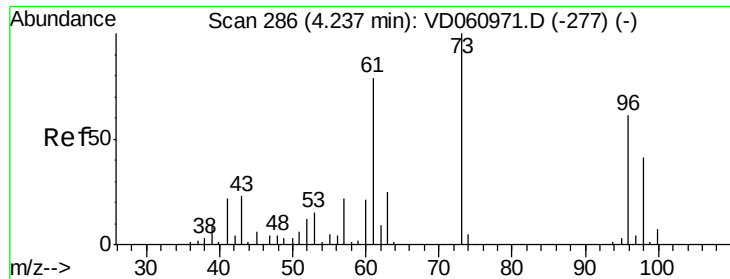
5000

0

3.60 3.70 3.80

Time-->

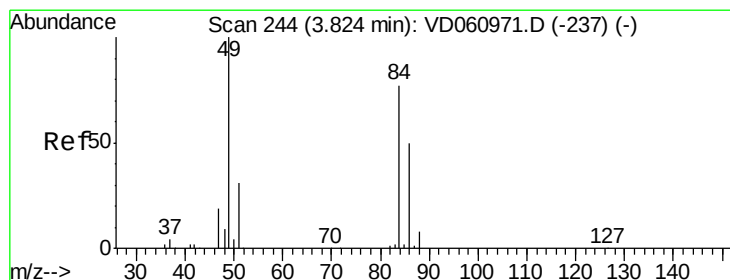
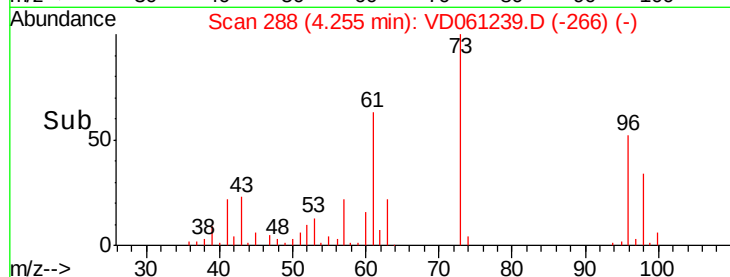
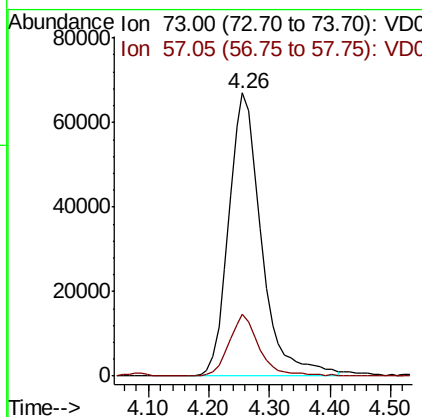
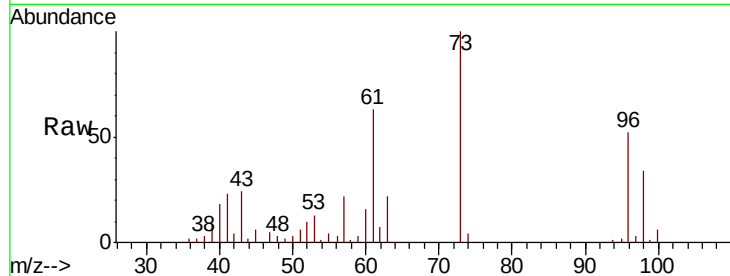




#19
Methyl tert-butyl Ether
Concen: 21.795 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

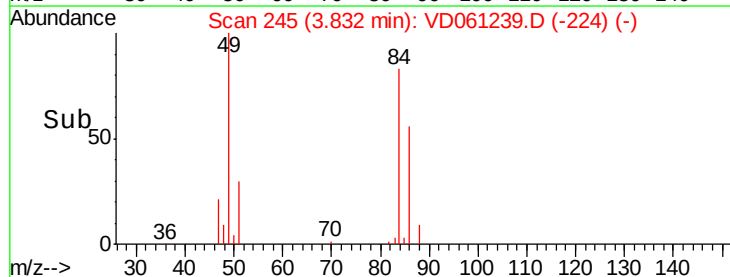
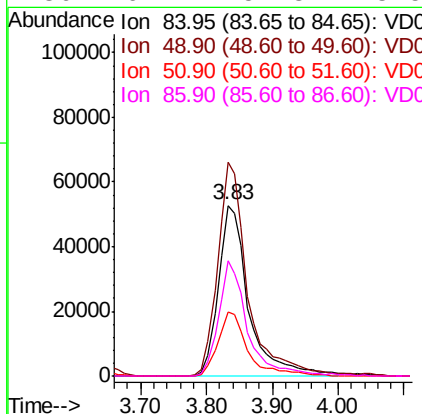
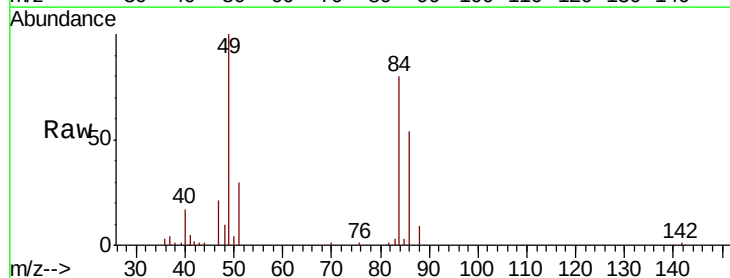
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

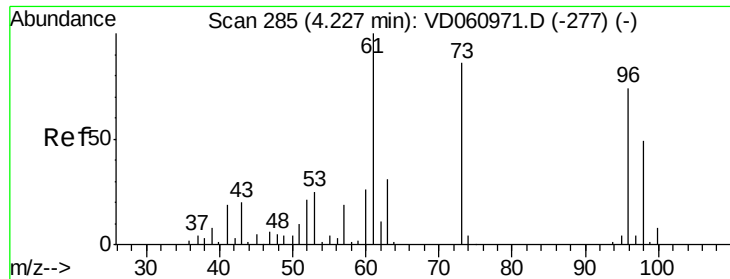
Tot Ion: 73 Resp: 251236
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5



#20
Methylene Chloride
Concen: 21.039 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 84 Resp: 168828
Ion Ratio Lower Upper
84 100
49 125.0 104.2 156.2
51 37.8 32.3 48.5
86 67.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.313 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

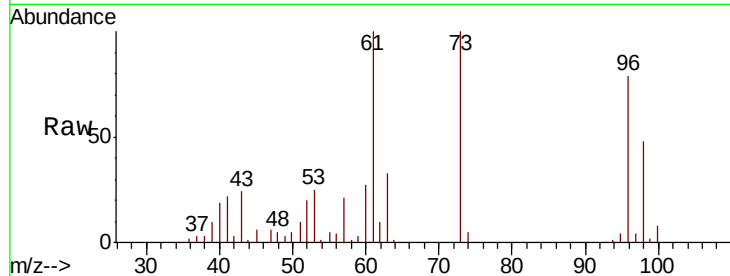
Tot Ion: 96 Resp: 144613

Ion Ratio Lower Upper

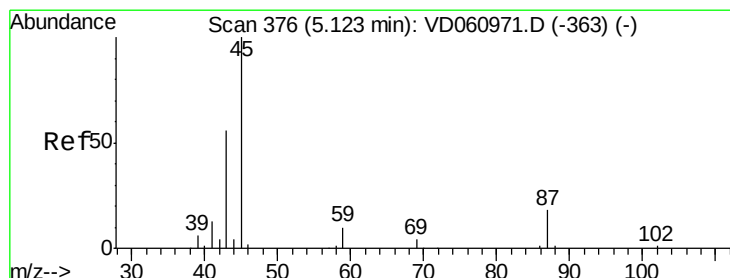
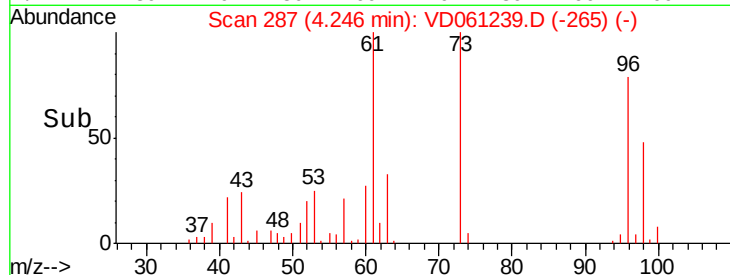
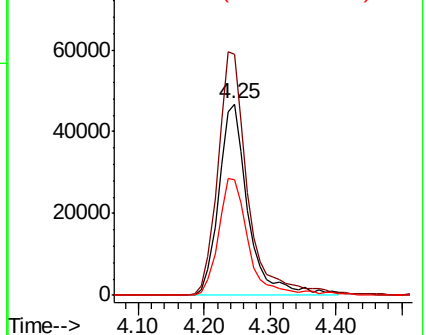
96 100

61 125.9 108.4 162.6

98 60.3 53.0 79.4



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



#22

Diisopropyl ether

Concen: 19.920 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Tgt Ion: 45 Resp: 435184

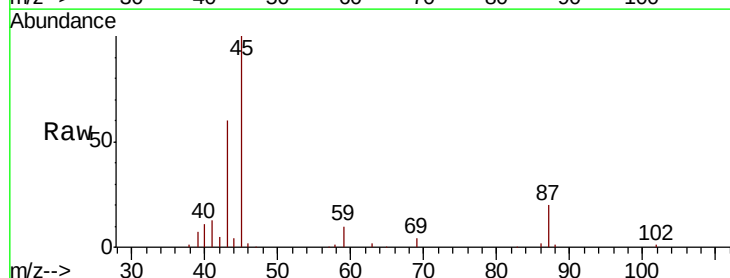
Ion Ratio Lower Upper

45 100

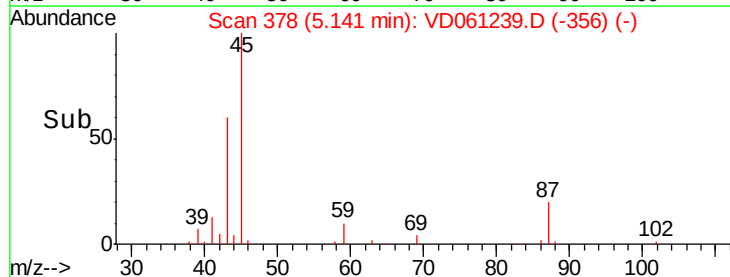
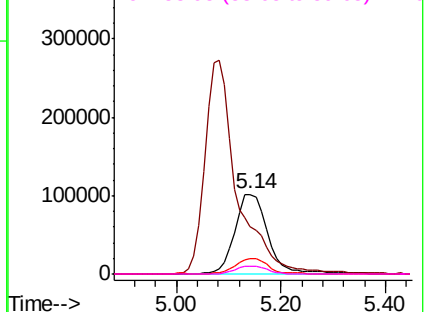
43 59.9 45.8 68.8

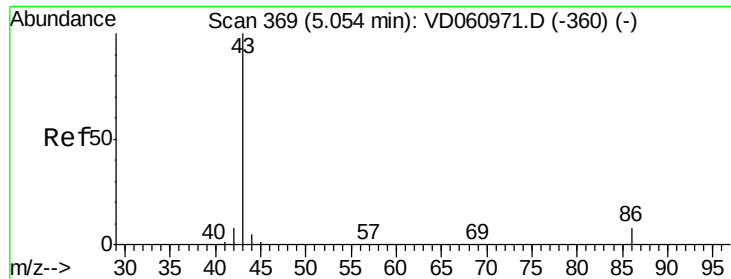
87 19.7 14.9 22.3

59 10.2 8.0 12.0



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: 102.103 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

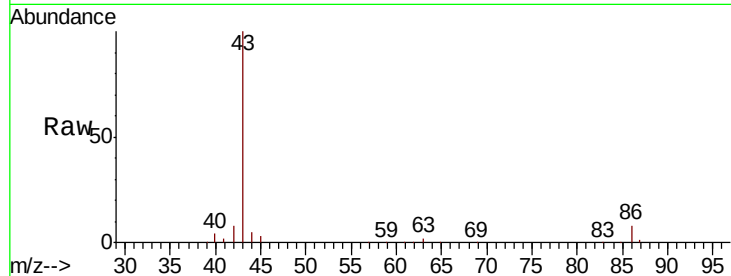
VD0321SBS01

Tot Ion: 43 Resp: 1145062

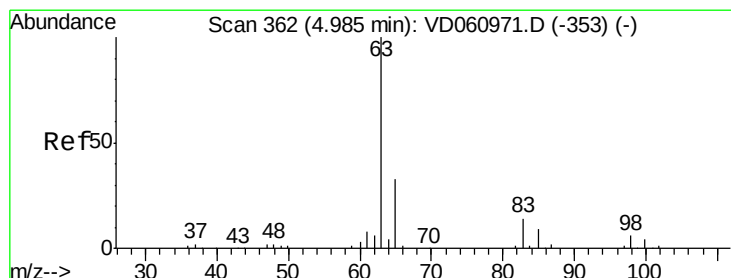
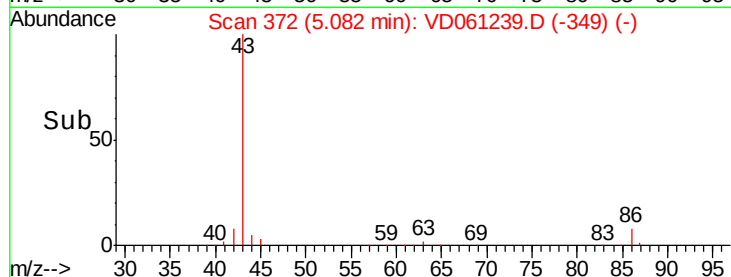
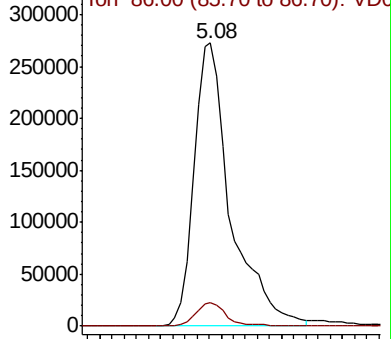
Ion Ratio Lower Upper

43 100

86 8.2 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VD061239.D (-372) (-)



#24

1,1-Dichloroethane

Concen: 19.856 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

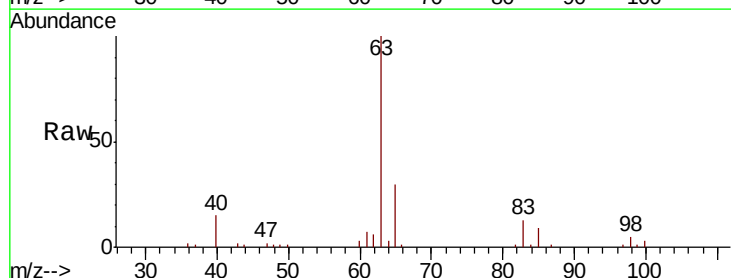
Tgt Ion: 63 Resp: 237674

Ion Ratio Lower Upper

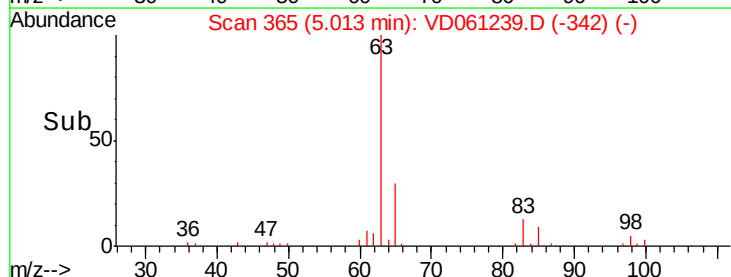
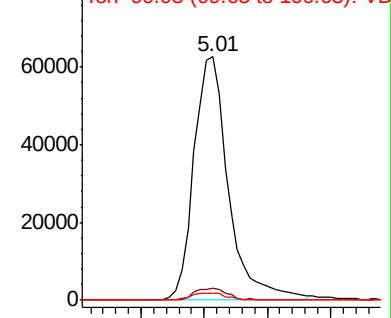
63 100

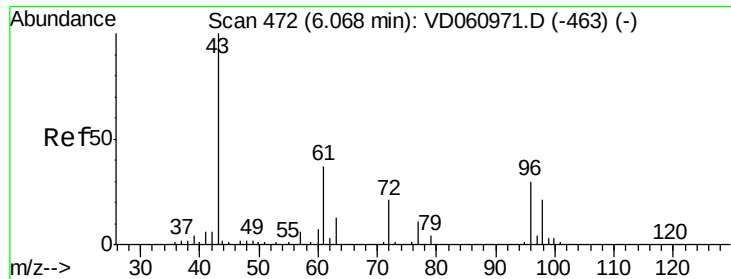
98 4.9 3.0 9.2

100 2.8 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VD061239.D (-365) (-)





#25

2-Butanone

Concen: 106.776 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

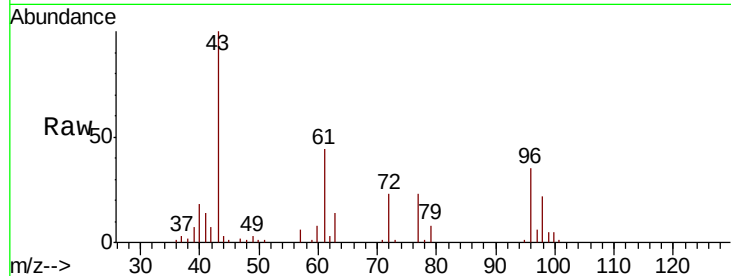
VD0321SBS01

Tot Ion: 43 Resp: 188974

Ion Ratio Lower Upper

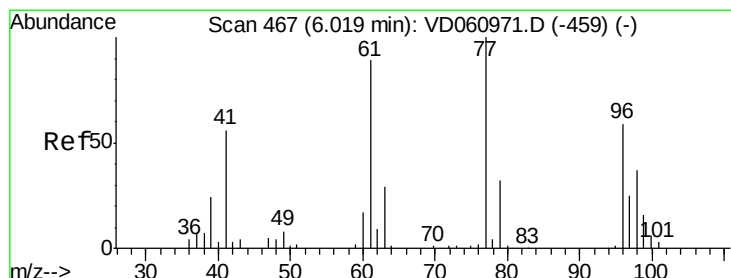
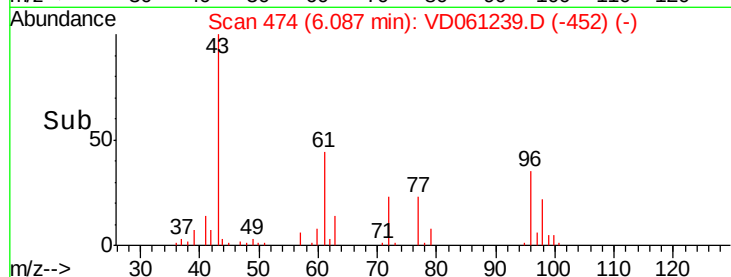
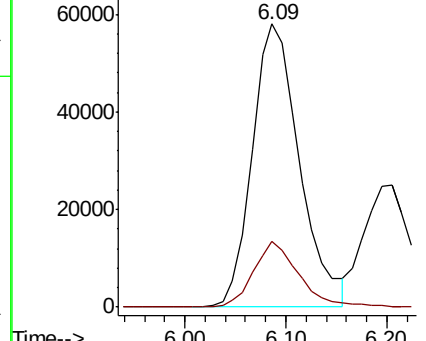
43 100

72 23.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.214 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD061239.D

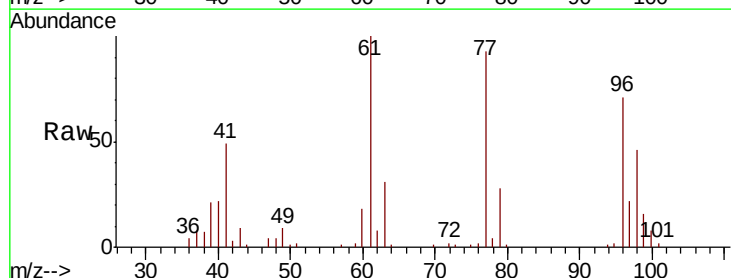
Acq: 21 Mar 2019 12:41

Tgt Ion: 77 Resp: 198225

Ion Ratio Lower Upper

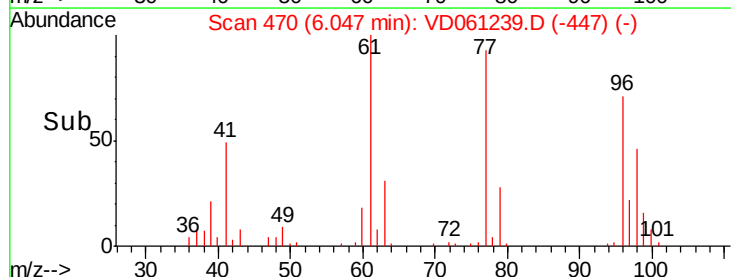
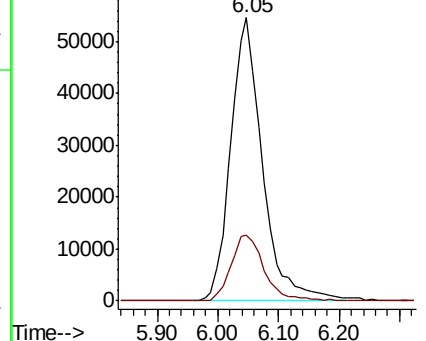
77 100

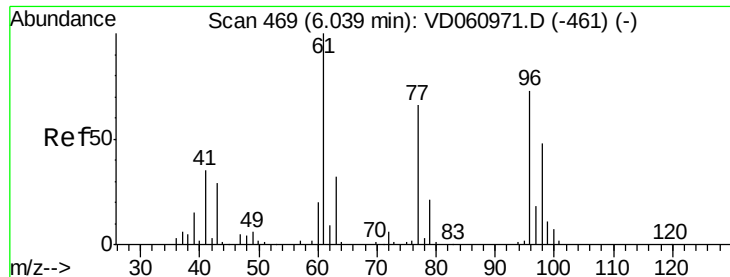
97 23.5 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



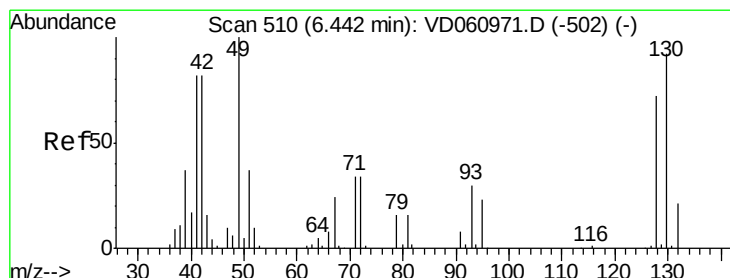
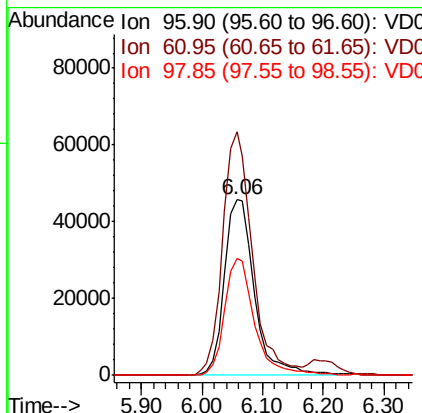
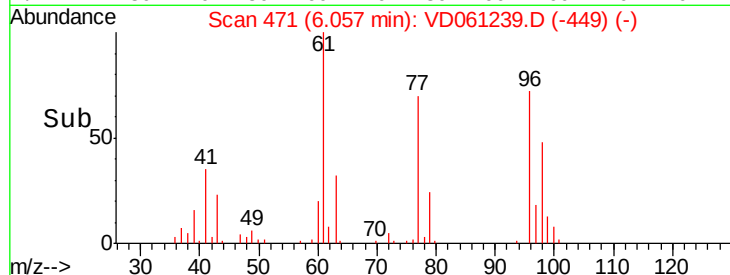
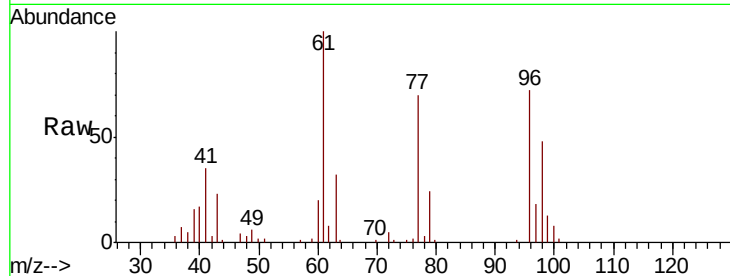


#27

cis-1,2-Dichloroethene
 Concen: 20.895 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

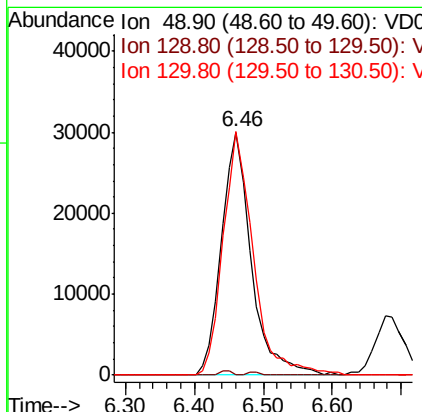
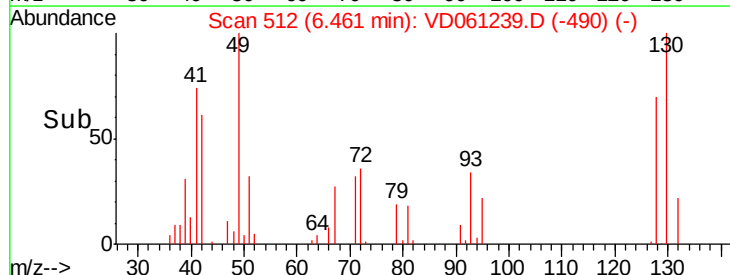
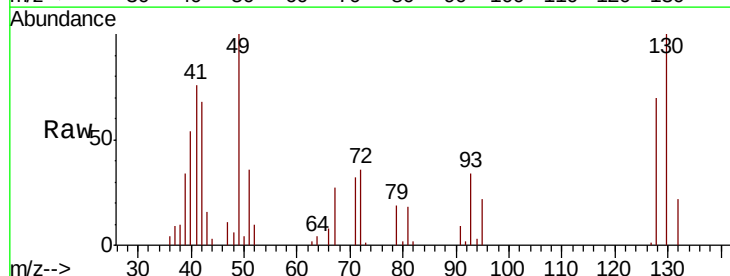
Tot Ion: 96 Resp: 157828
 Ion Ratio Lower Upper
 96 100
 61 138.8 0.0 273.6
 98 66.8 0.0 132.6

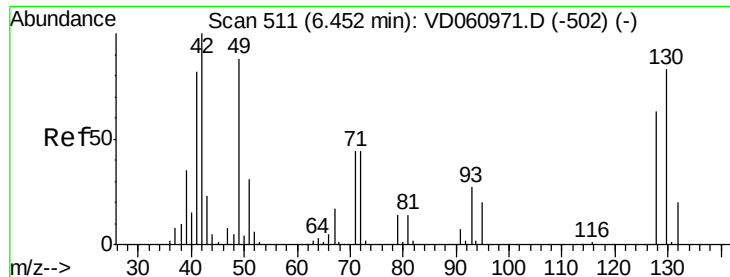


#28

Bromochloromethane
 Concen: 17.770 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion: 49 Resp: 90046
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 100.2 73.8 110.8

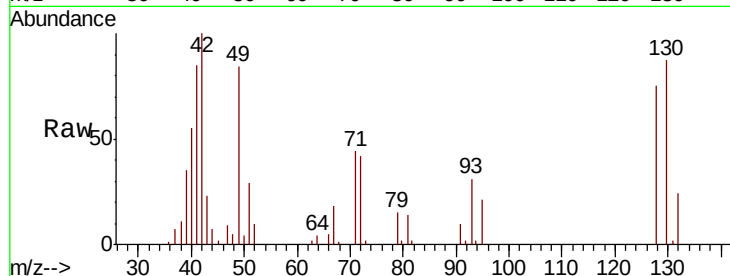




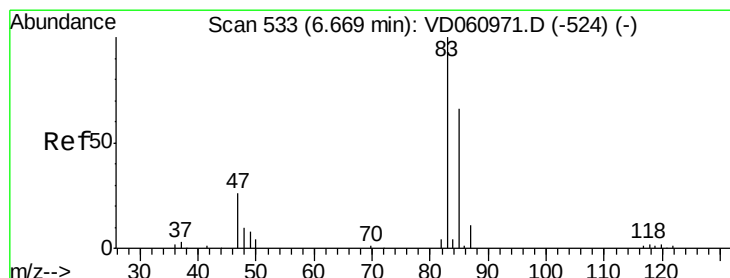
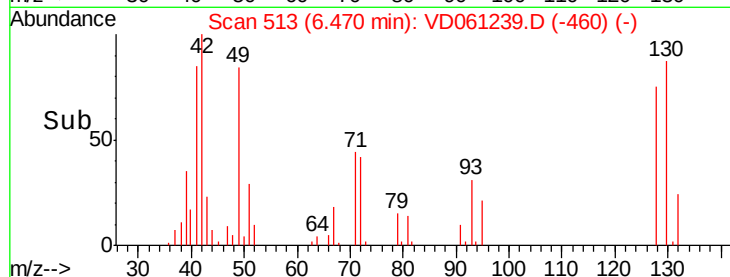
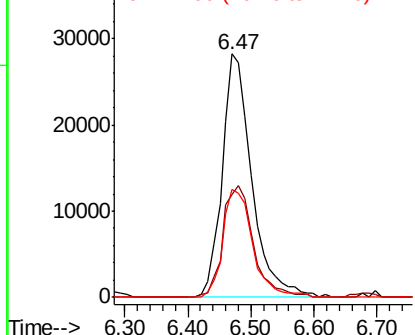
#29
Tetrahydrofuran
Concen: 95.527 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

Tot Ion: 42 Resp: 91802
Ion Ratio Lower Upper
42 100
72 47.3 34.5 51.7
71 44.5 33.8 50.6

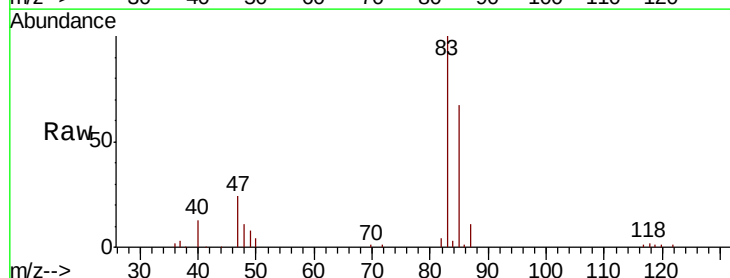


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

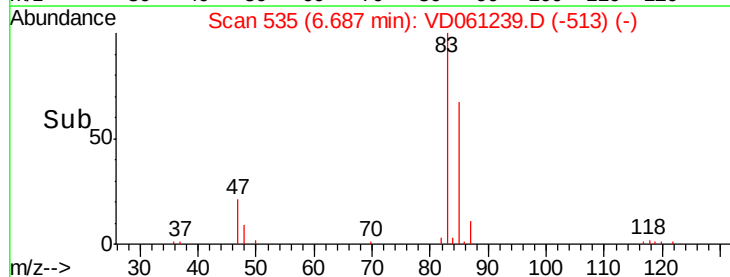
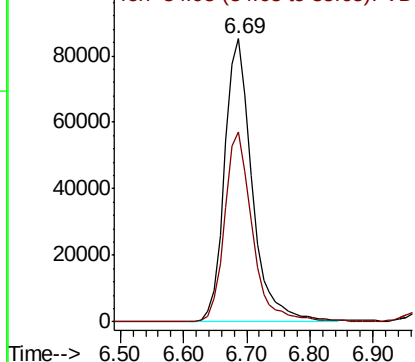


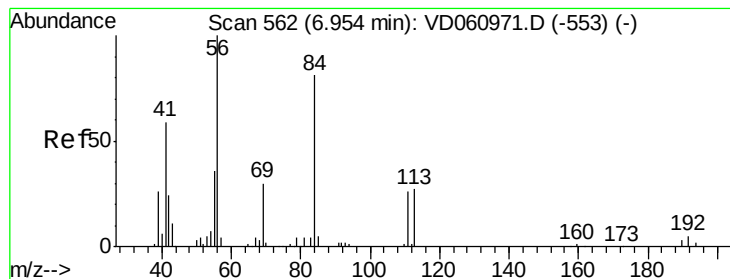
#30
Chloroform
Concen: 20.818 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 83 Resp: 258257
Ion Ratio Lower Upper
83 100
85 67.1 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.060 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

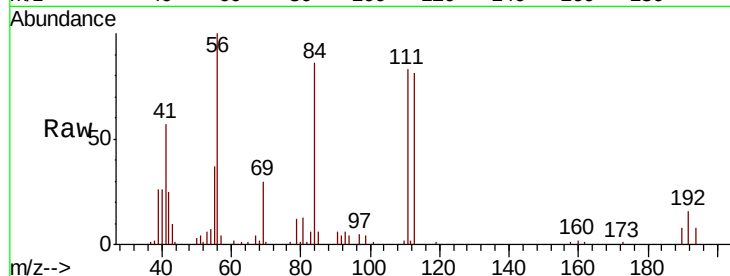
Tot Ion: 56 Resp: 183955

Ion Ratio Lower Upper

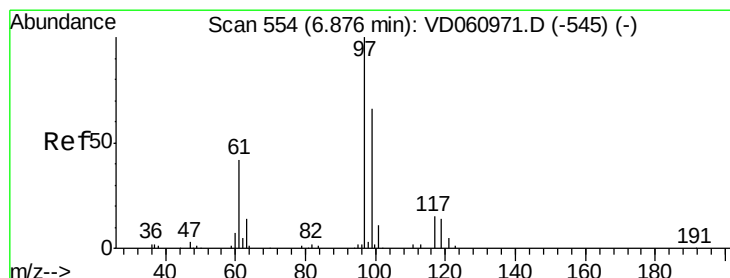
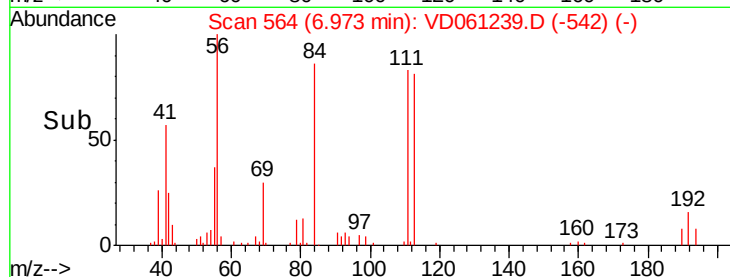
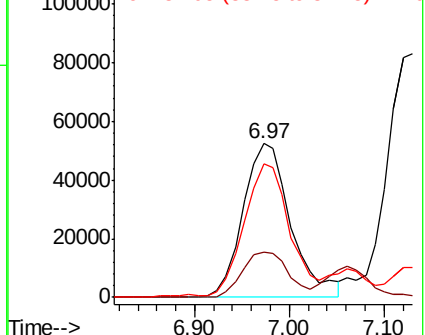
56 100

69 29.8 24.0 36.0

84 86.3 65.8 98.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.916 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.02 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

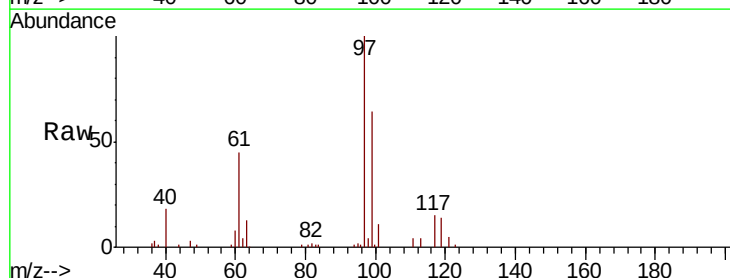
Tgt Ion: 97 Resp: 224333

Ion Ratio Lower Upper

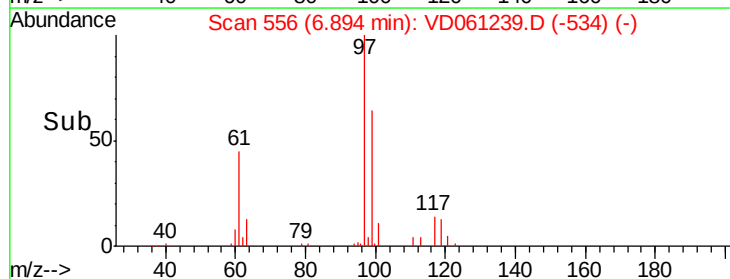
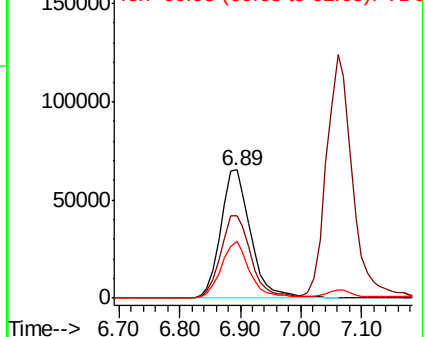
97 100

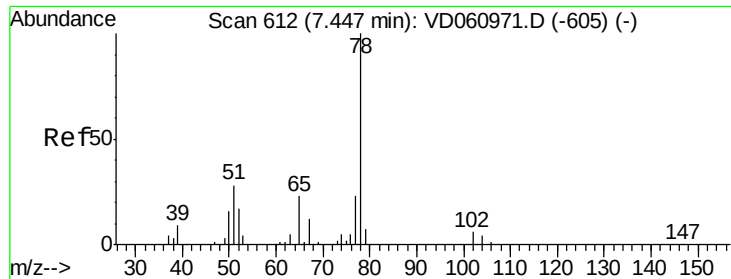
99 64.1 53.2 79.8

61 44.5 33.8 50.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

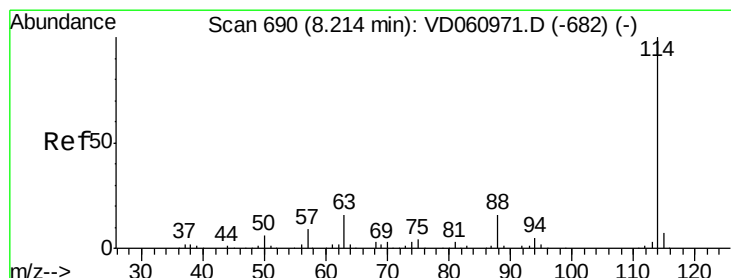
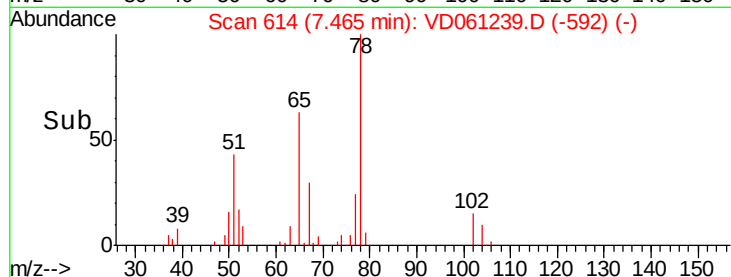
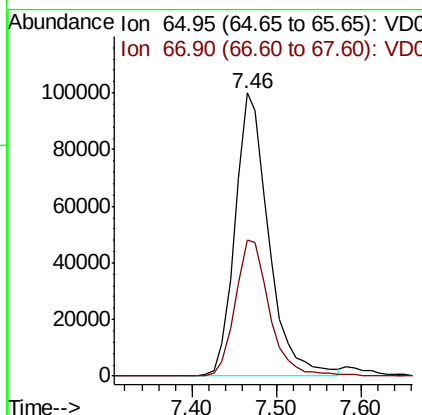
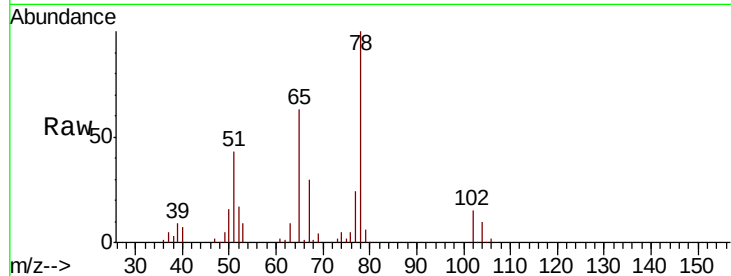




#33
 1,2-Dichloroethane-d4
 Concen: 20.916 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

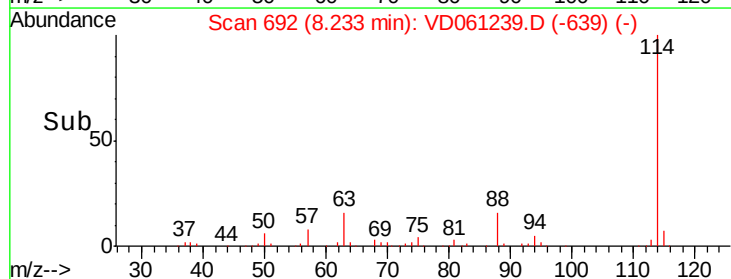
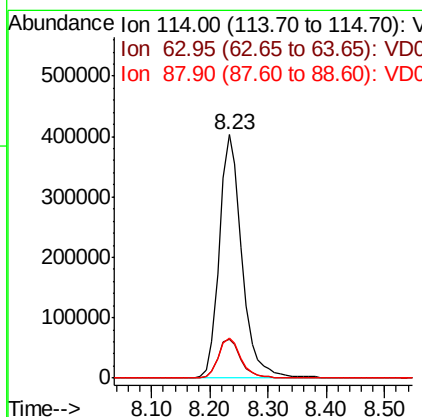
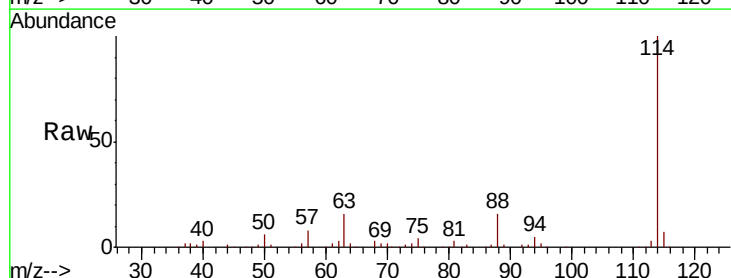
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

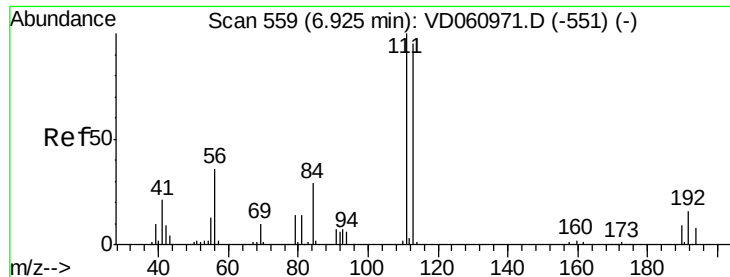
Tot Ion: 65 Resp: 277434
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion: 114 Resp: 1084663
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.4
 88 16.4 0.0 33.0

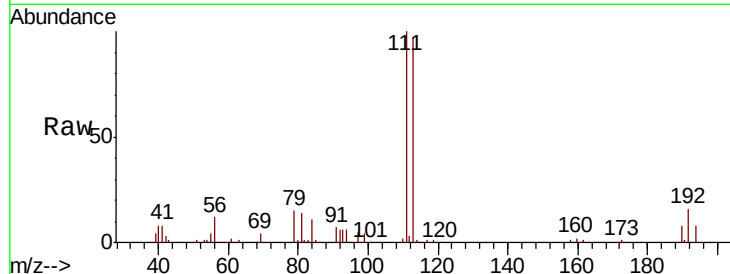




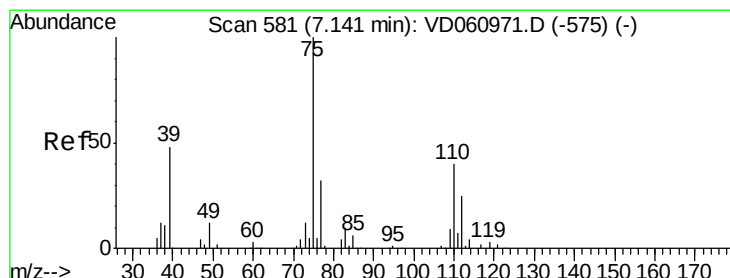
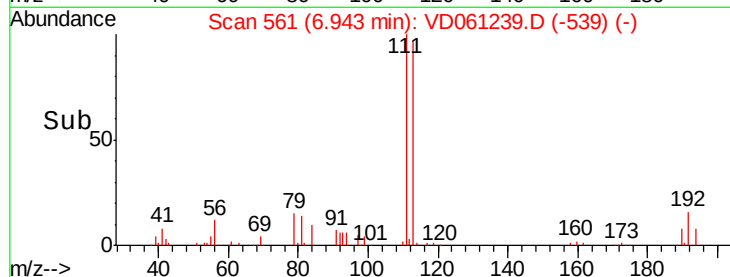
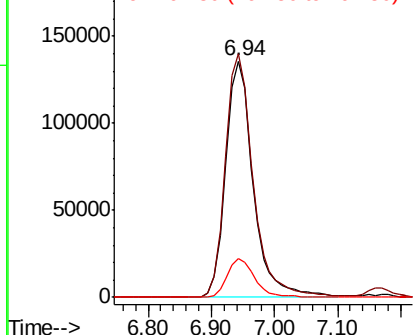
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

Tot Ion:113 Resp: 411352
Ion Ratio Lower Upper
113 100
111 103.1 84.2 126.4
192 16.5 13.1 19.7

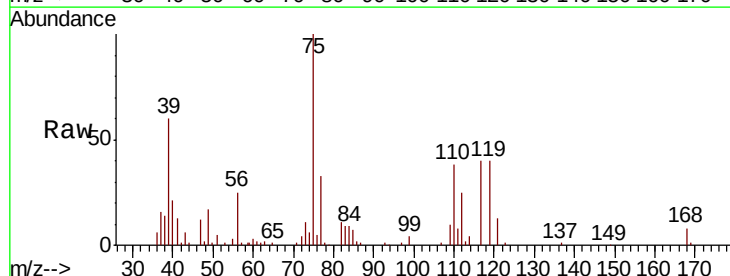


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

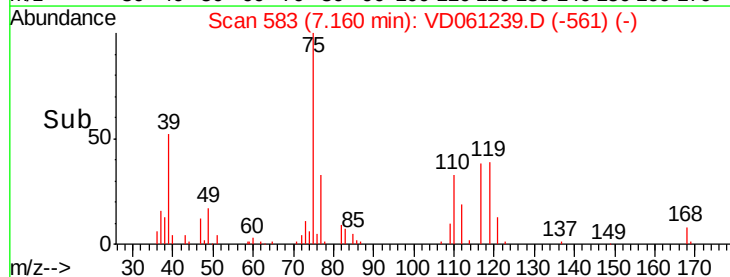
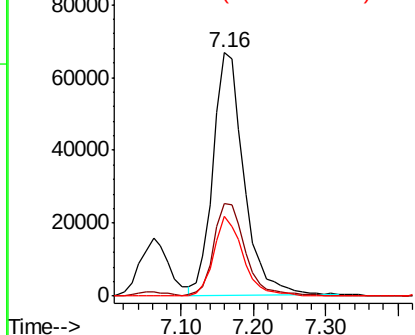


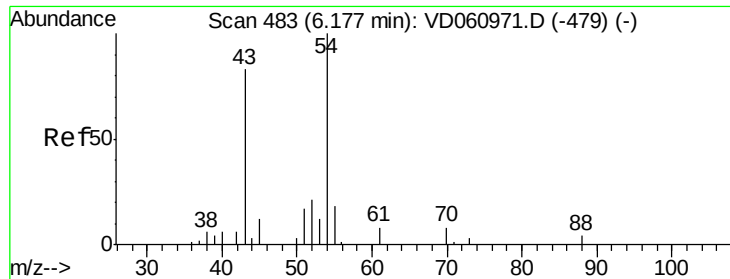
#36
1,1-Dichloropropene
Concen: 21.058 ug/l
RT: 7.16 min Scan# 583
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 75 Resp: 196889
Ion Ratio Lower Upper
75 100
110 38.2 19.7 59.1
77 32.6 24.7 37.1



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

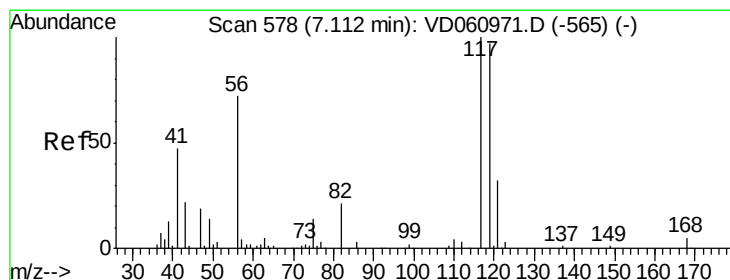
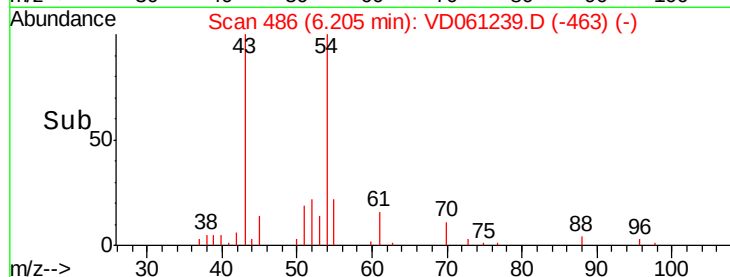
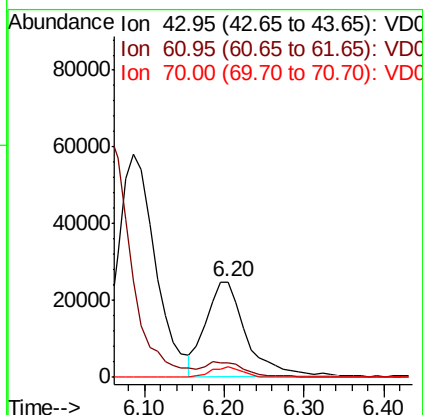
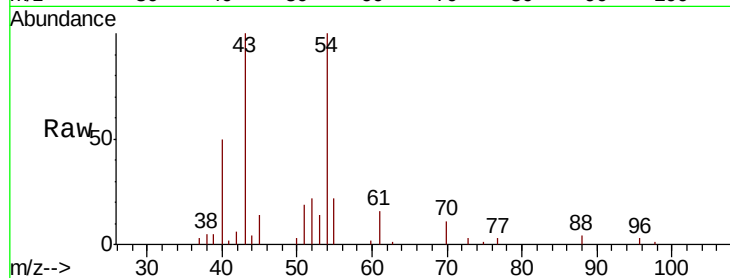




#37
Ethyl Acetate
Concen: 19.764 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

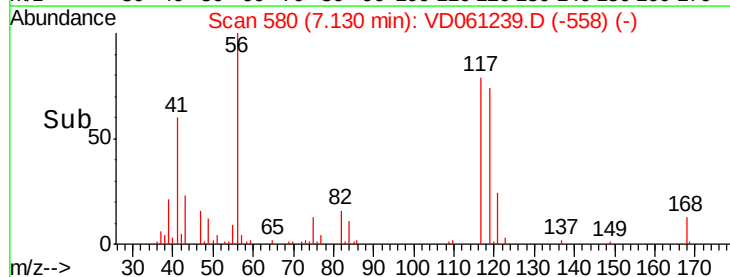
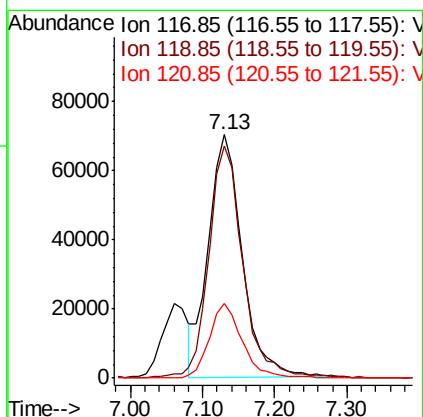
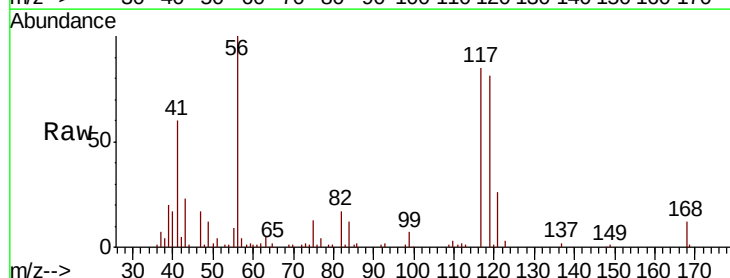
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

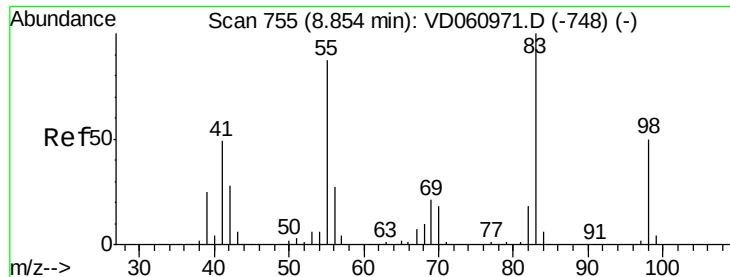
Tot Ion: 43 Resp: 86714
Ion Ratio Lower Upper
43 100
61 15.6 13.7 20.5
70 10.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.989 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 117 Resp: 226463
Ion Ratio Lower Upper
117 100
119 95.1 77.8 116.8
121 30.8 25.3 37.9

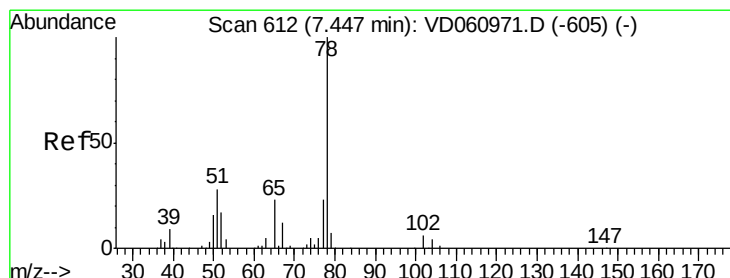
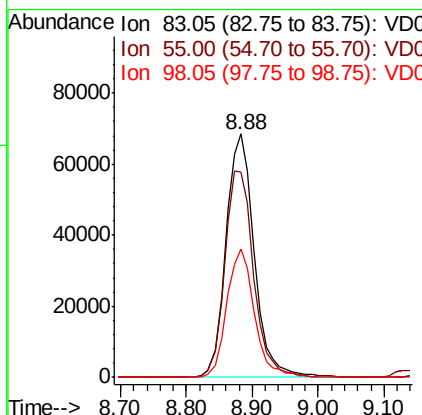
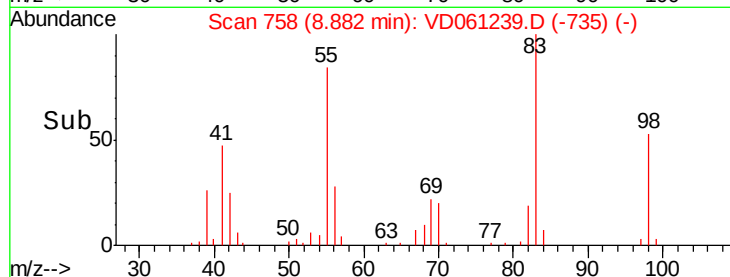
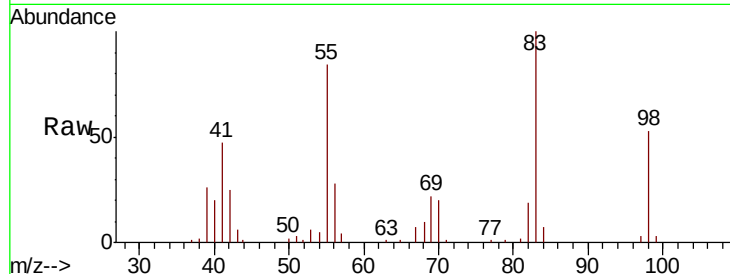




#39
Methylvlcyclohexane
Concen: 21.248 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

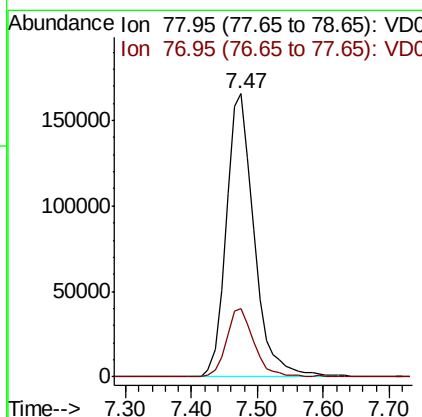
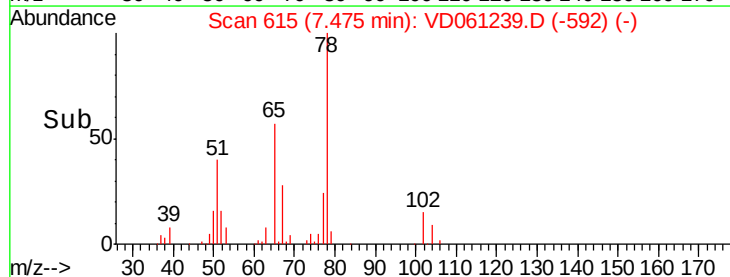
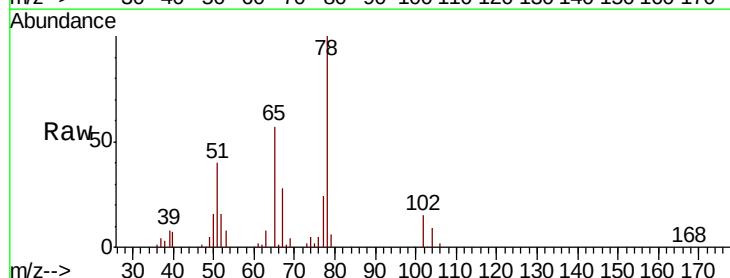
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

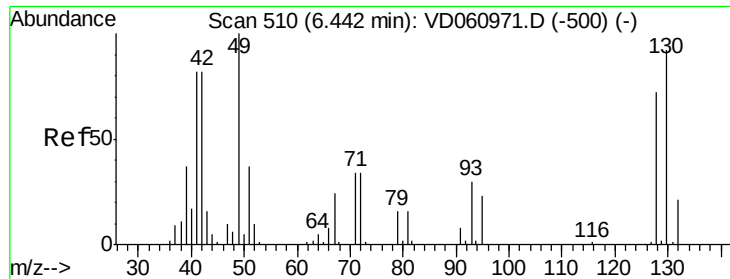
Tot Ion: 83 Resp: 205998
Ion Ratio Lower Upper
83 100
55 84.1 69.6 104.4
98 52.7 40.0 60.0



#40
Benzene
Concen: 21.007 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 78 Resp: 490783
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2

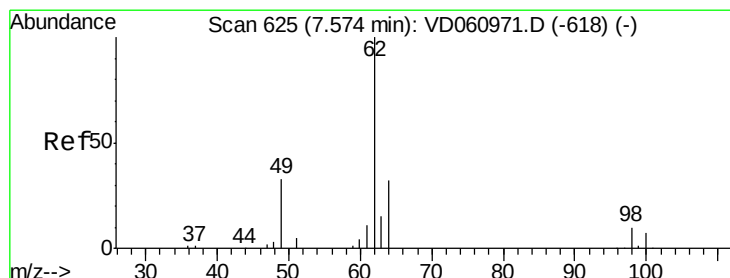
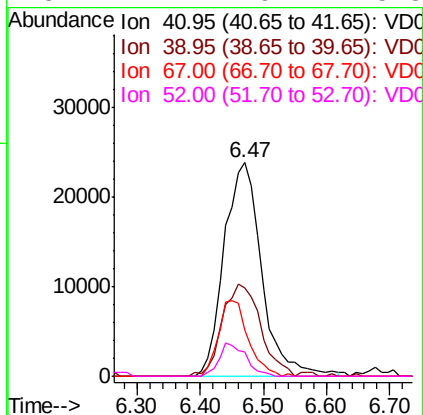
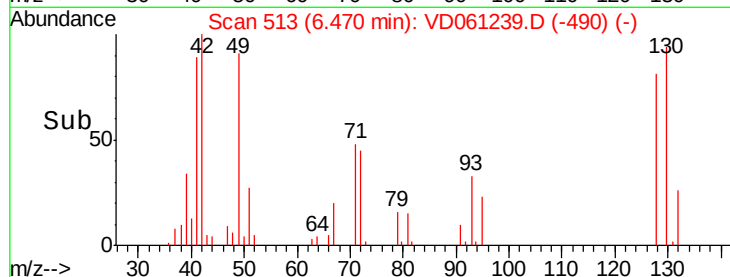
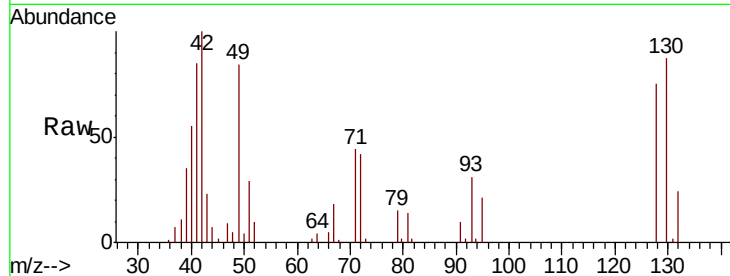




#41
Methacrylonitrile
Concen: 19.525 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

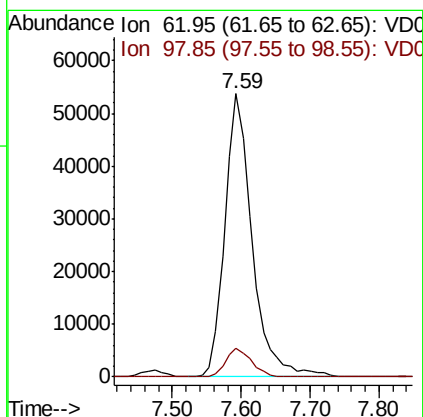
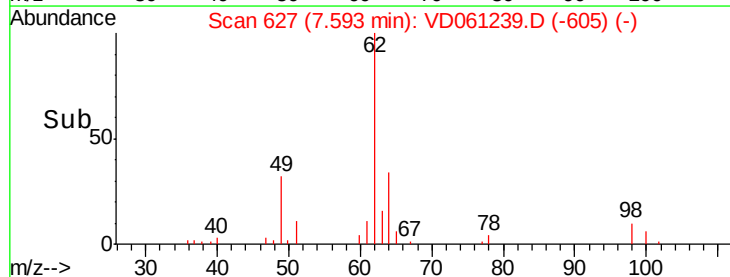
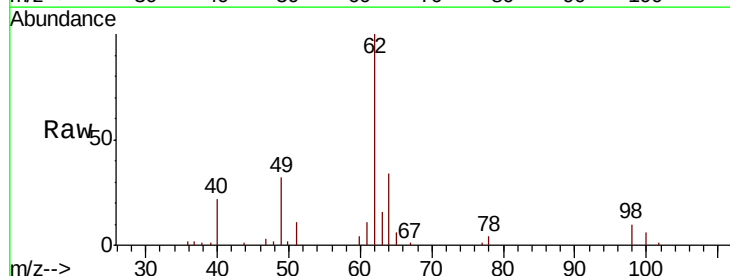
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

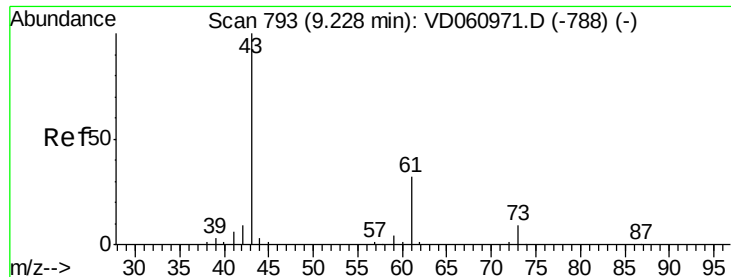
Tot Ion: 41 Resp: 98536
Ion Ratio Lower Upper
41 100
39 41.4 35.7 53.5
67 21.5 23.0 34.6#
52 11.2 9.2 13.8



#42
1,2-Dichloroethane
Concen: 21.717 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 62 Resp: 147232
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.4





#43

Isopropyl Acetate

Concen: 20.637 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

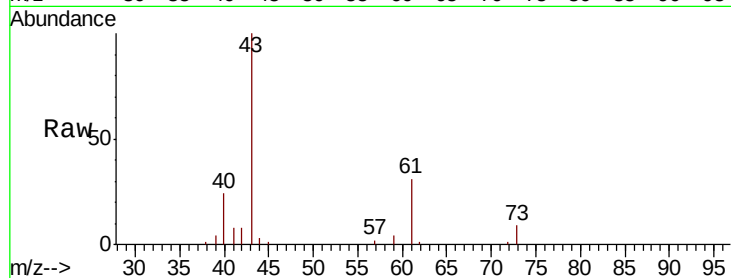
Tot Ion: 43 Resp: 125409

Ion Ratio Lower Upper

43 100

61 31.1 25.6 38.4

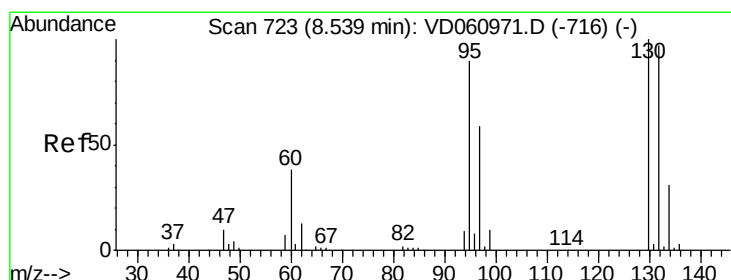
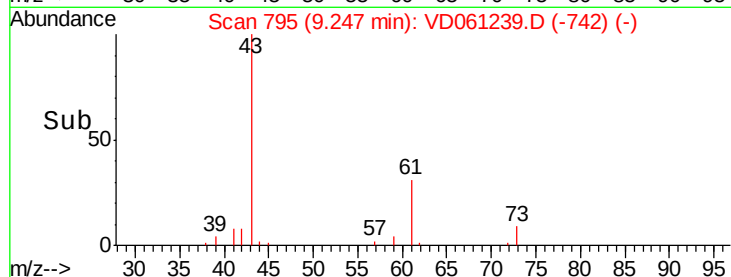
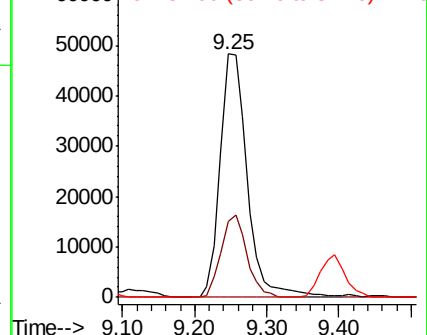
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.854 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.02 min

Lab File: VD061239.D

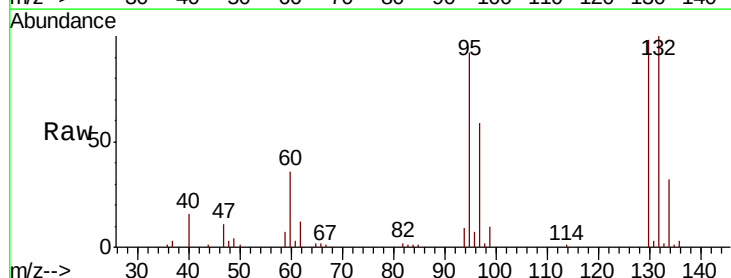
Acq: 21 Mar 2019 12:41

Tgt Ion:130 Resp: 176144

Ion Ratio Lower Upper

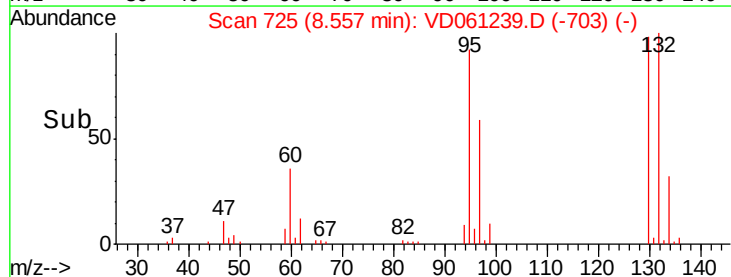
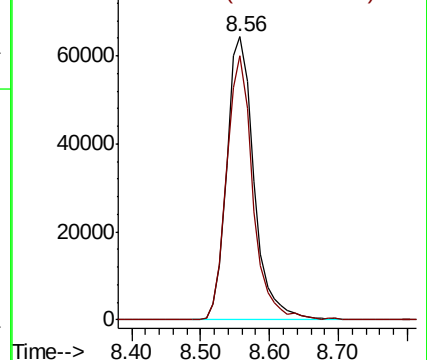
130 100

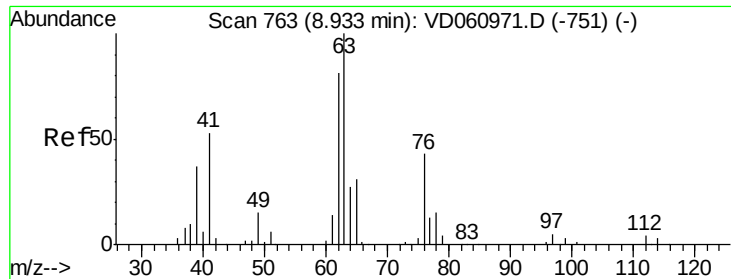
95 93.5 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

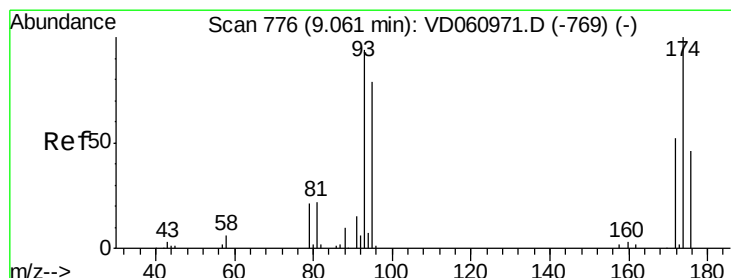
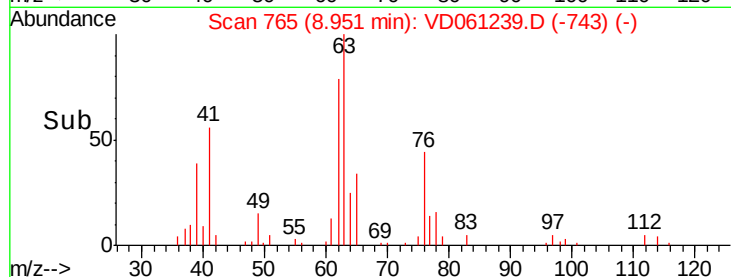
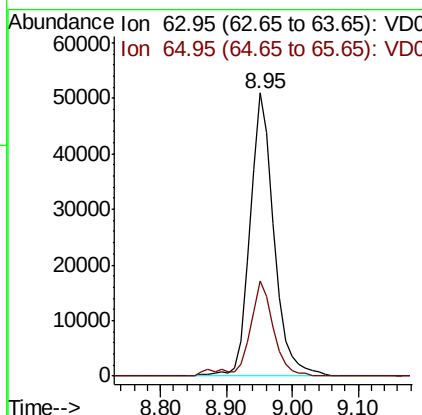
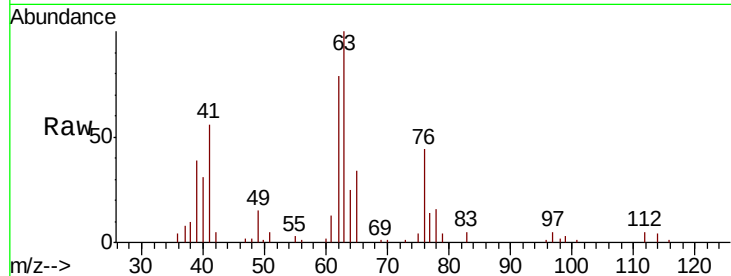




#45
 1,2-Dichloropropane
 Concen: 21.166 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

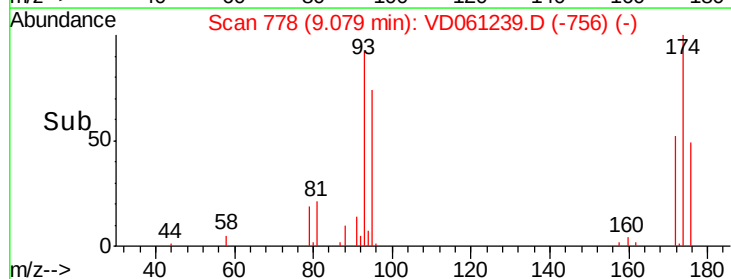
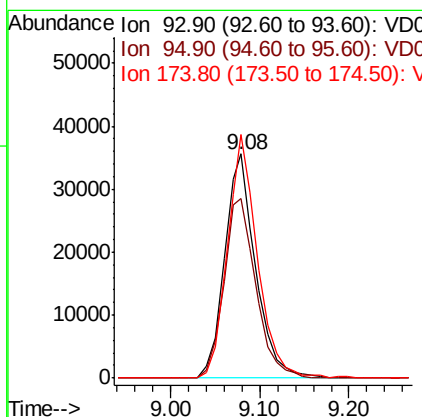
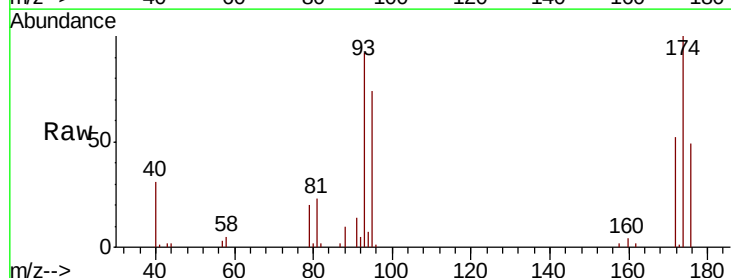
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

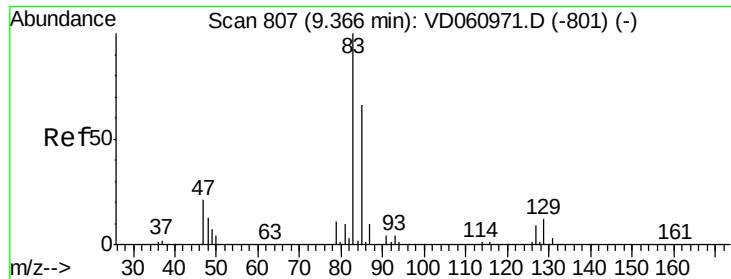
Tot Ion: 63 Resp: 129913
 Ion Ratio Lower Upper
 63 100
 65 33.8 24.8 37.2



#46
 Dibromomethane
 Concen: 22.157 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion: 93 Resp: 86264
 Ion Ratio Lower Upper
 93 100
 95 79.9 67.4 101.0
 174 108.7 85.4 128.0





#47

Bromodichloromethane

Concen: 21.674 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

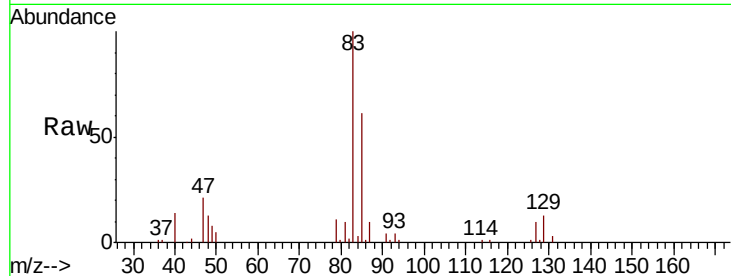
Tot Ion: 83 Resp: 190426

Ion Ratio Lower Upper

83 100

85 61.4 52.5 78.7

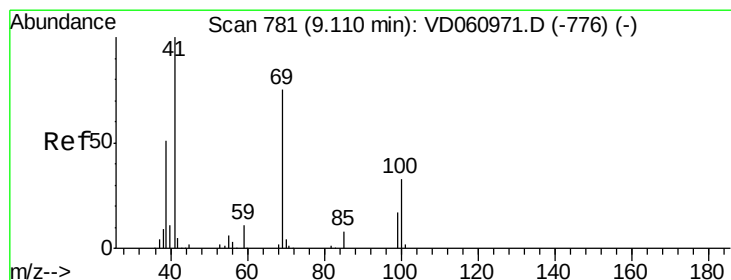
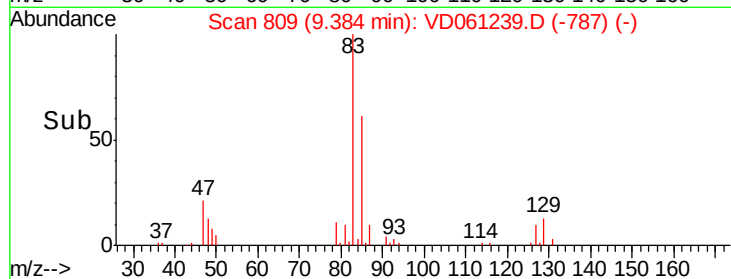
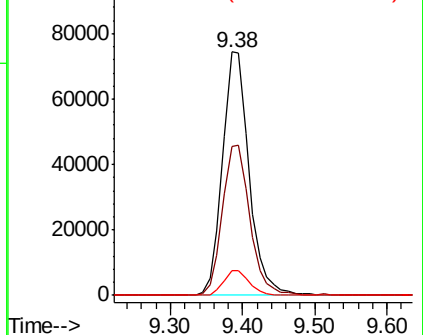
127 10.2 7.5 11.3



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: 20.963 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.03 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

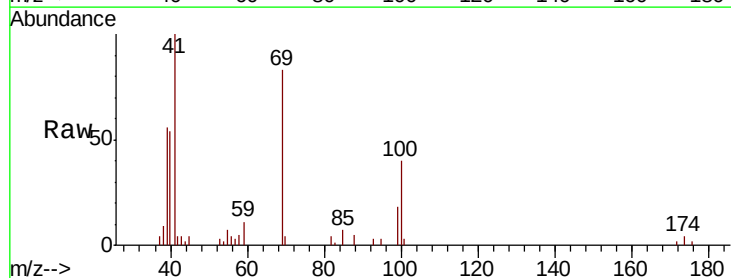
Tgt Ion: 41 Resp: 71725

Ion Ratio Lower Upper

41 100

69 83.0 59.9 89.9

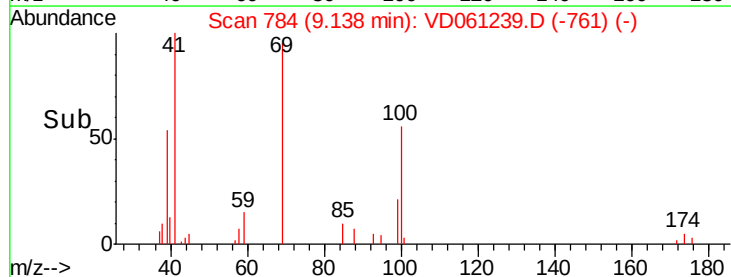
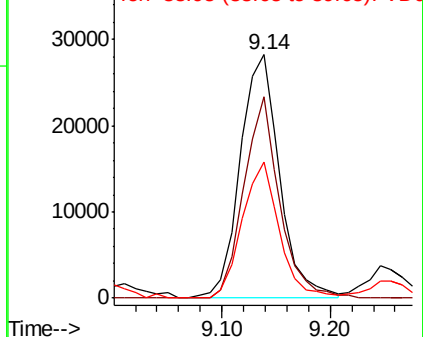
39 56.1 40.9 61.3

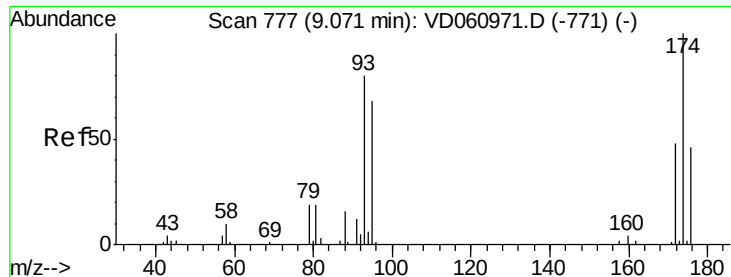


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

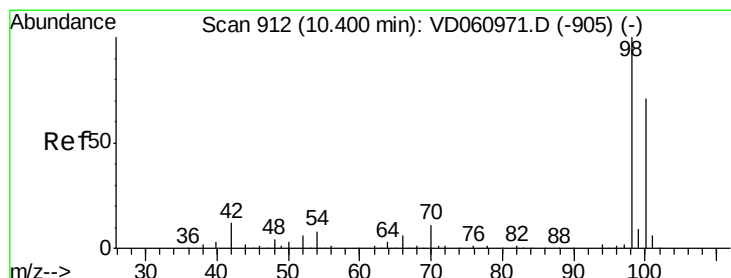
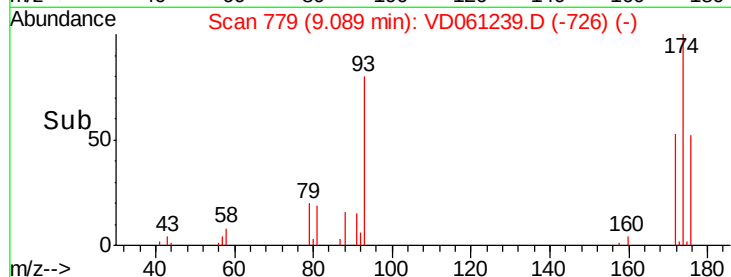
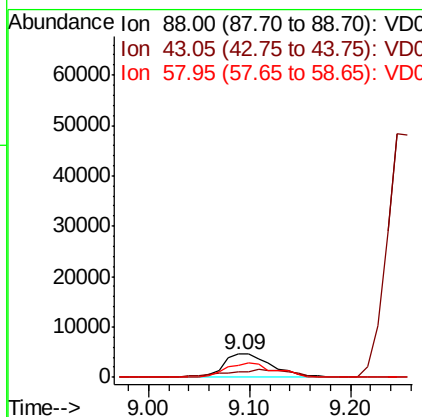
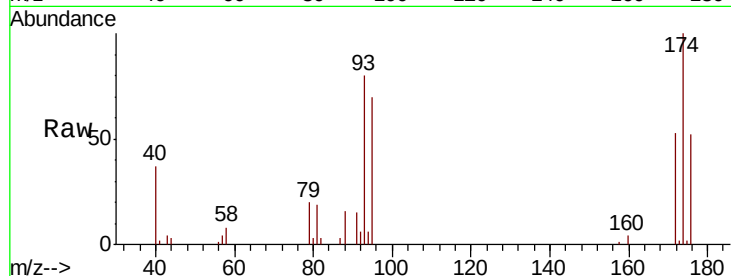




#49
1,4-Dioxane
Concen: 440.645 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

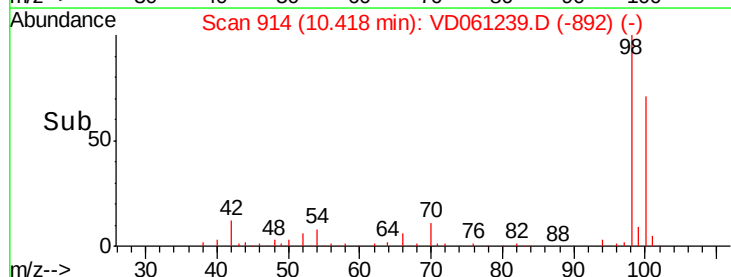
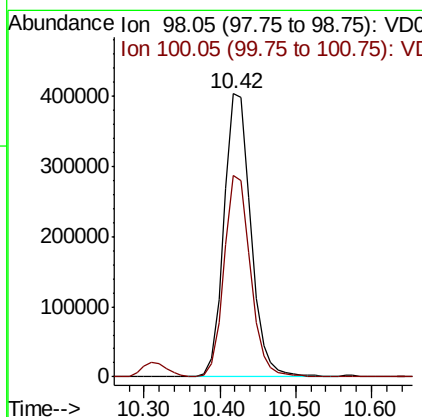
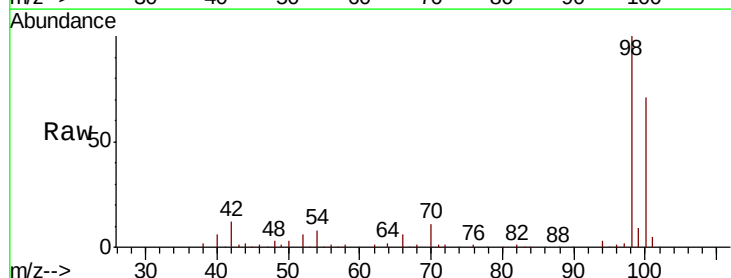
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

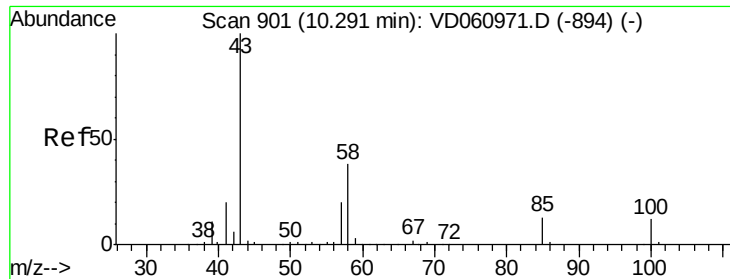
Tot Ion: 88 Resp: 15245
Ion Ratio Lower Upper
88 100
43 25.8 21.0 31.6
58 50.8 48.6 72.8



#50
Toluene-d8
Concen: 440.645 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 98 Resp: 986987
Ion Ratio Lower Upper
98 100
100 71.3 57.4 86.2





#51

4-Methyl-2-Pentanone

Concen: 104.339 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

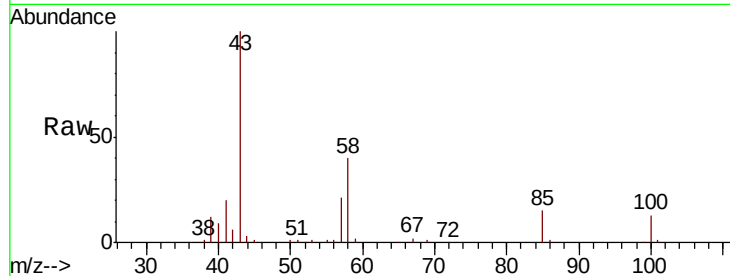
VD0321SBS01

Tot Ion: 43 Resp: 388432

Ion Ratio Lower Upper

43 100

58 39.6 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

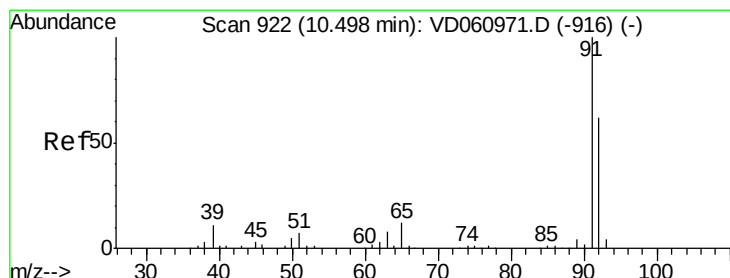
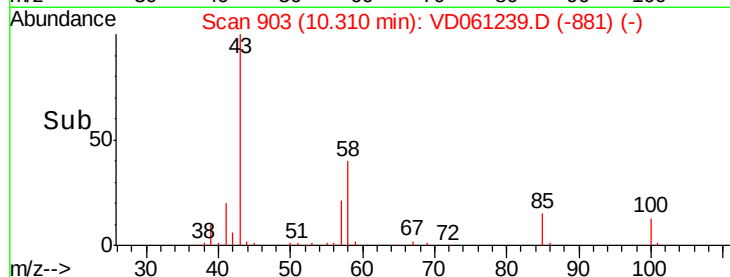
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.094 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061239.D

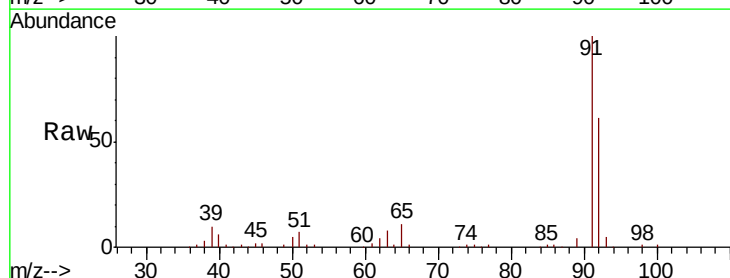
Acq: 21 Mar 2019 12:41

Tgt Ion: 92 Resp: 291918

Ion Ratio Lower Upper

92 100

91 163.6 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

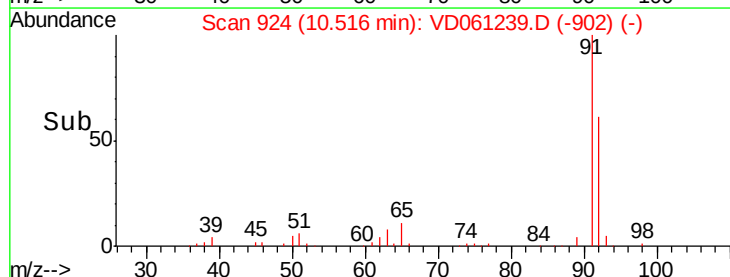
150000

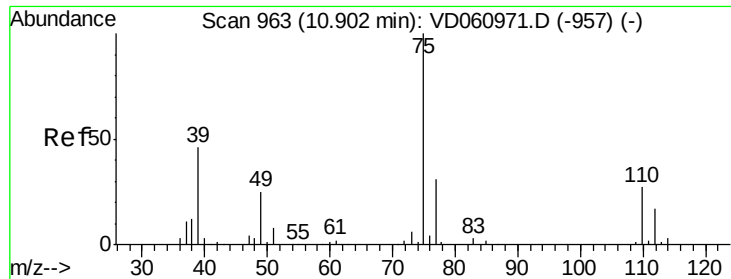
100000

50000

0

Time-->

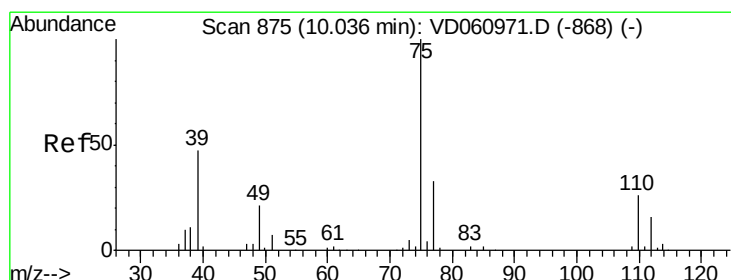
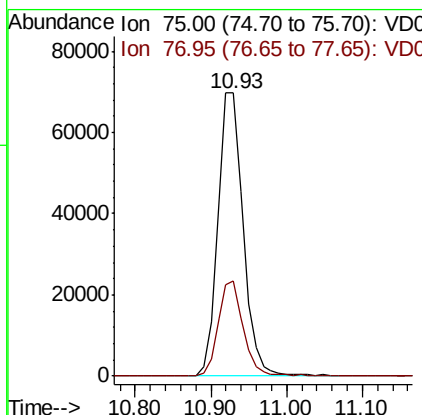
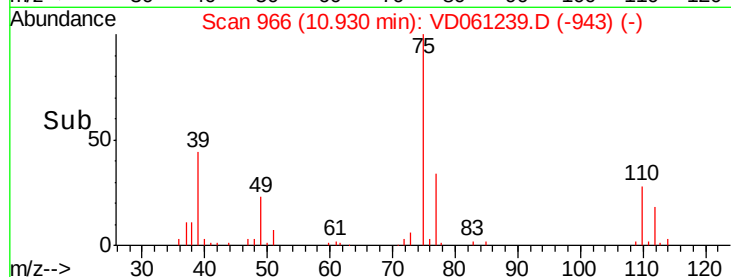
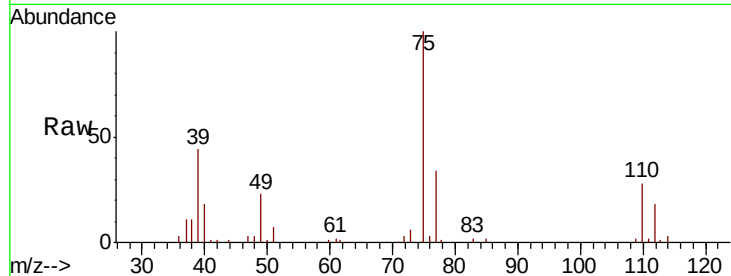




#53
 t-1,3-Dichloropropene
 Concen: 20.245 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

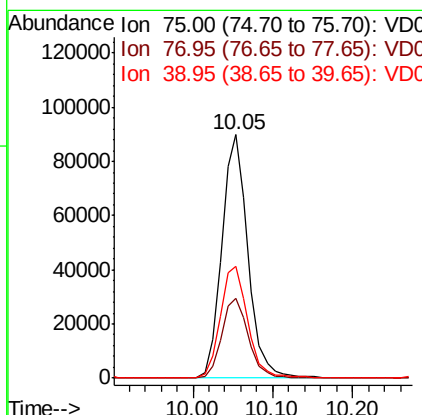
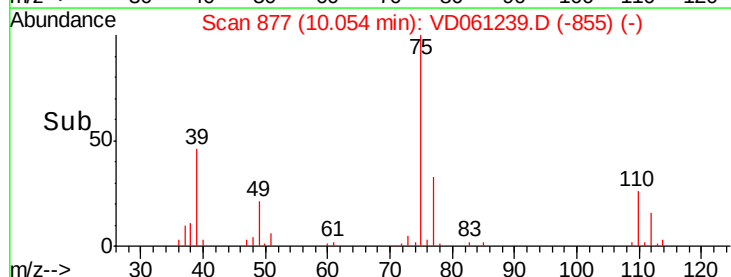
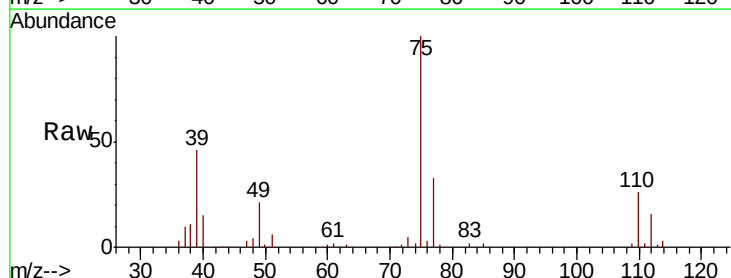
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

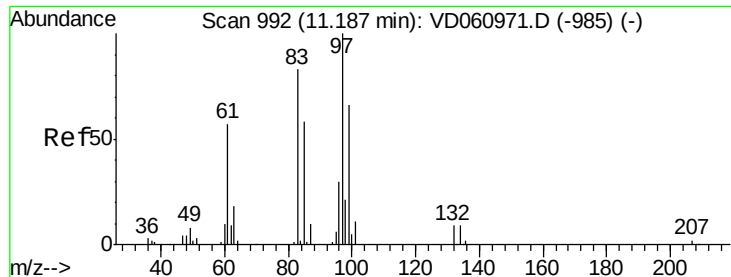
Tot Ion: 75 Resp: 162638
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 21.372 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion: 75 Resp: 206296
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4
 39 46.1 37.8 56.8



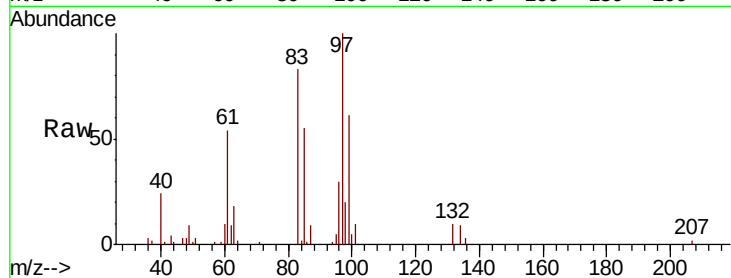


#55
 1,1,2-Trichloroethane
 Concen: 22.031 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

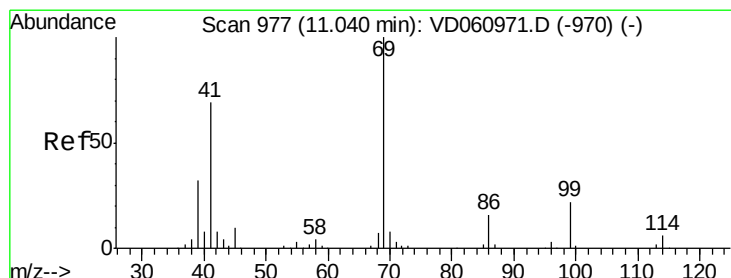
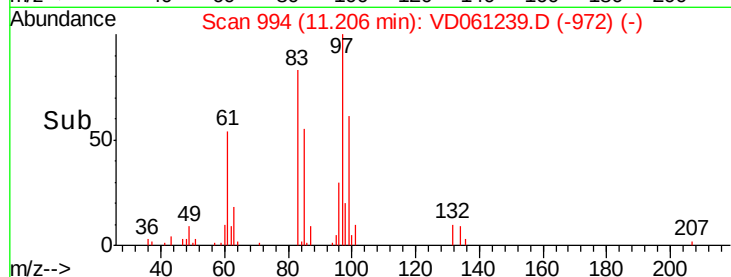
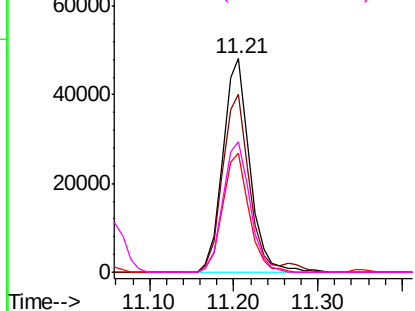
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

Tot Ion: 97 Resp: 106588

Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.6	100.0
85	55.4	46.4	69.6
99	60.9	52.4	78.6



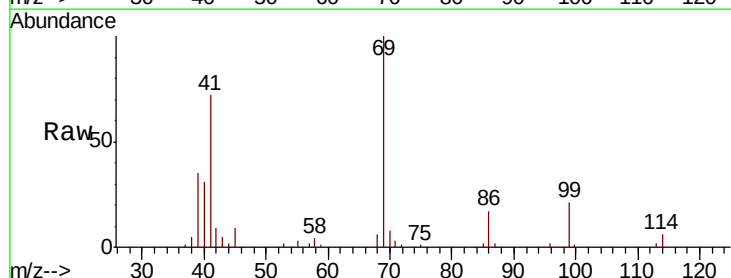
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



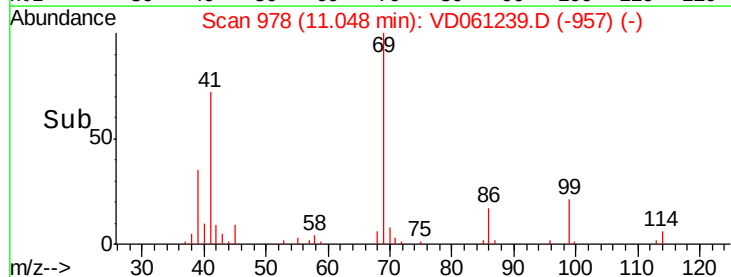
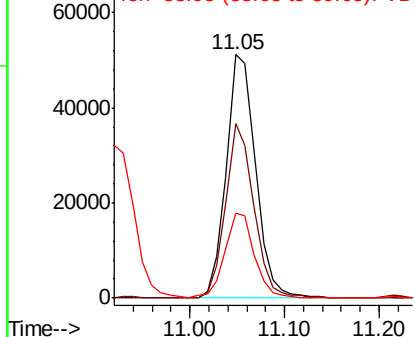
#56
 Ethyl methacrylate
 Concen: 21.811 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

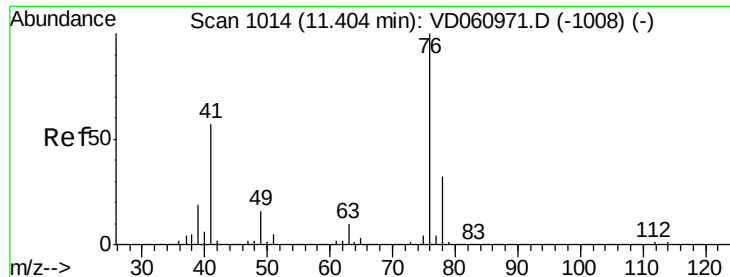
Tgt Ion: 69 Resp: 110452

Ion	Ratio	Lower	Upper
69	100		
41	71.6	55.5	83.3
39	35.1	26.2	39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

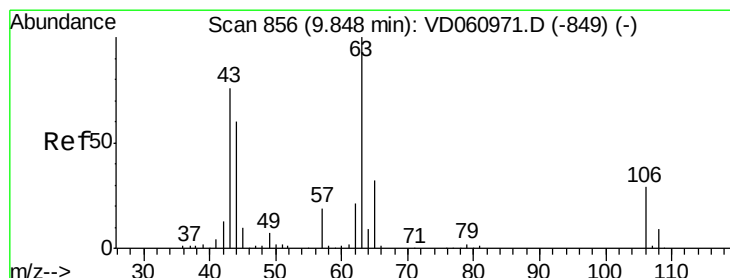
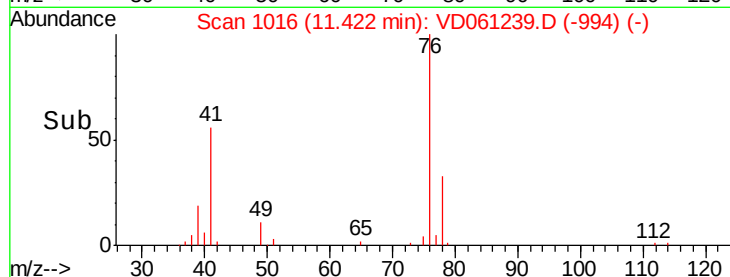
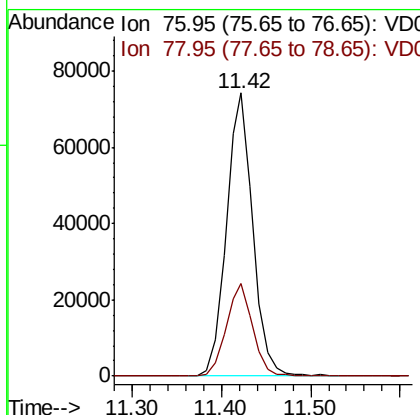
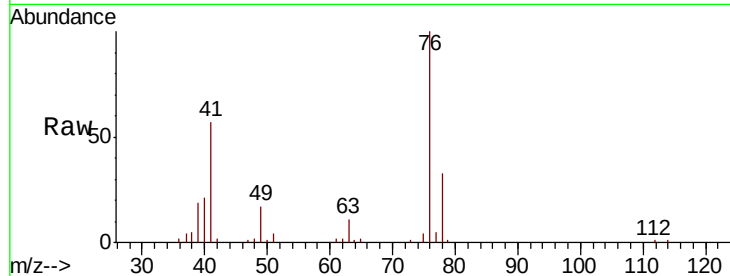




#57
 1,3-Dichloropropane
 Concen: 21.206 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

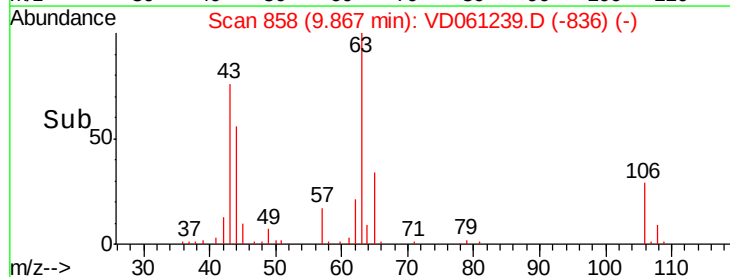
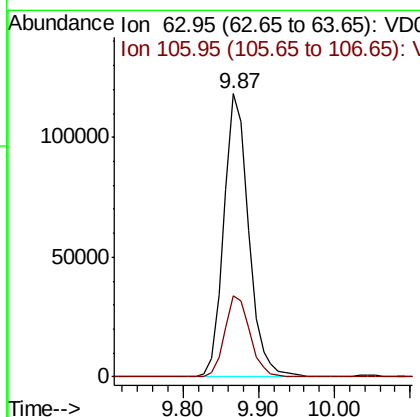
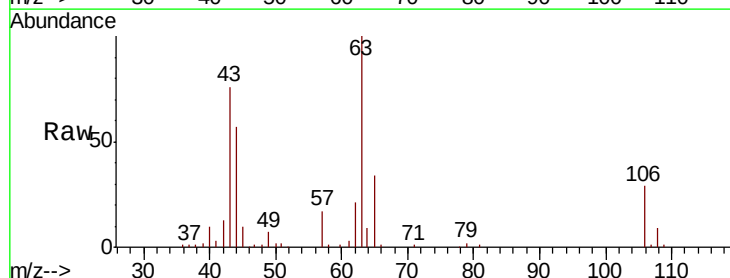
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

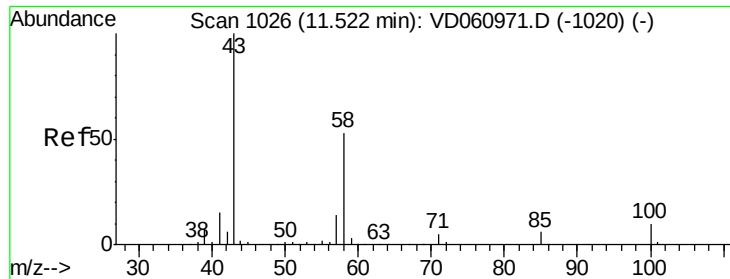
Tot Ion: 76 Resp: 153314
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.093 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion: 63 Resp: 268298
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.8 34.2

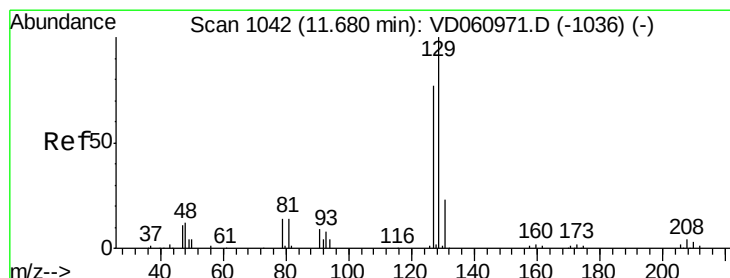
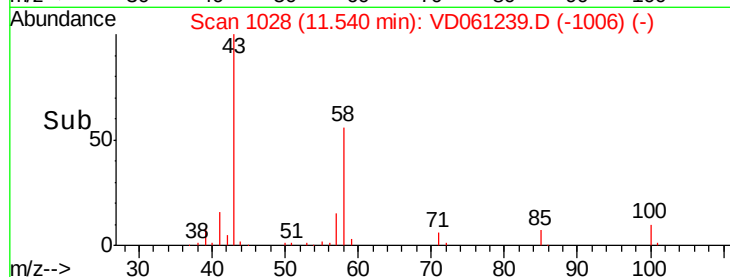
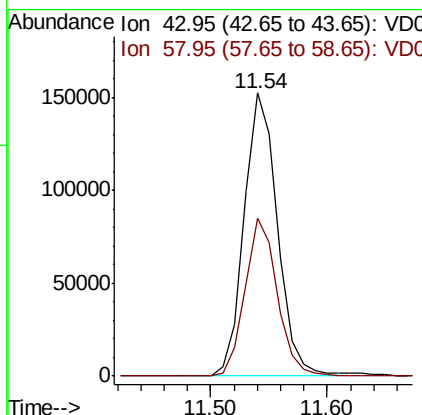
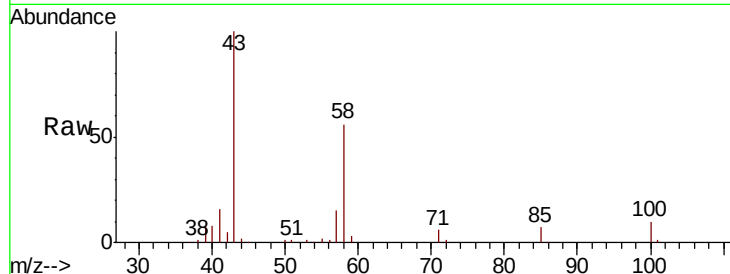




#59
 2-Hexanone
 Concen: 110.538 ug/l
 RT: 11.54 min Scan# 1028
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

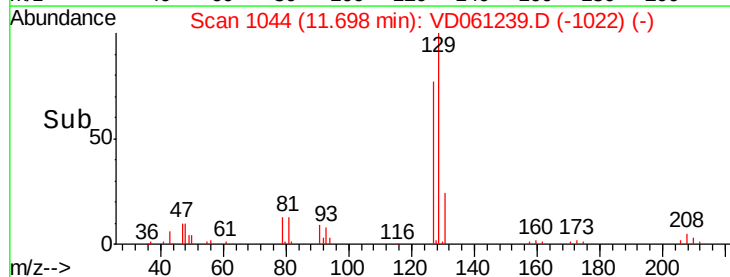
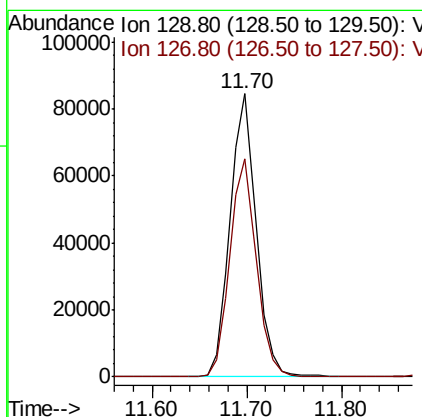
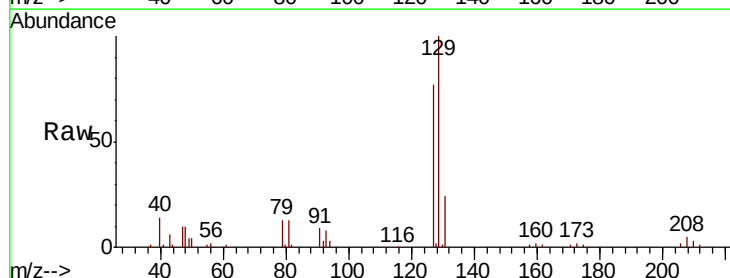
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

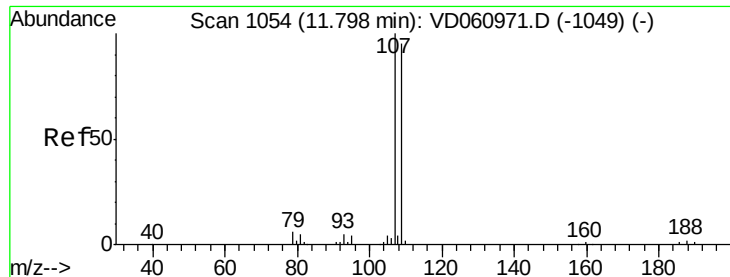
Tot Ion: 43 Resp: 301019
 Ion Ratio Lower Upper
 43 100
 58 55.8 26.5 79.5



#60
 Dibromochloromethane
 Concen: 22.800 ug/l
 RT: 11.70 min Scan# 1044
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion: 129 Resp: 162342
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.3 114.9

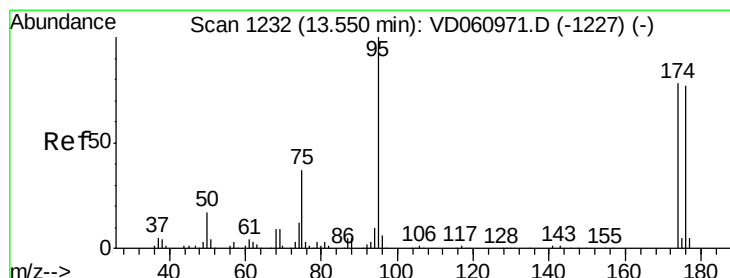
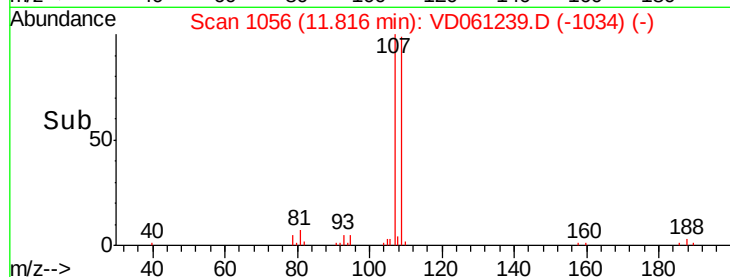
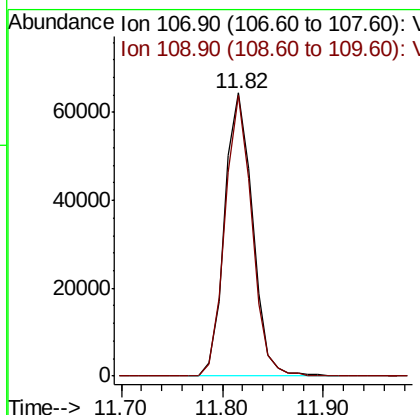
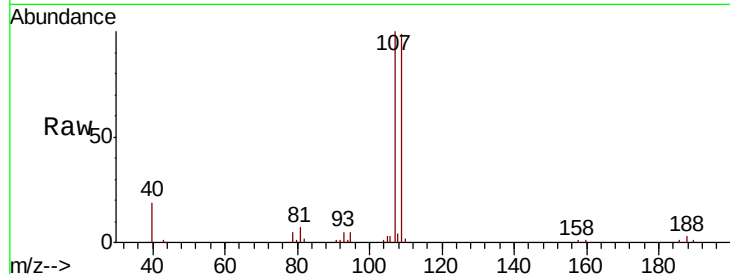




#61
1,2-Dibromoethane
Concen: 22.010 ug/l
RT: 11.82 min Scan# 1056
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

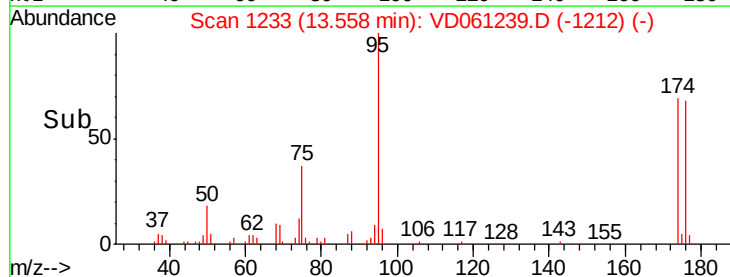
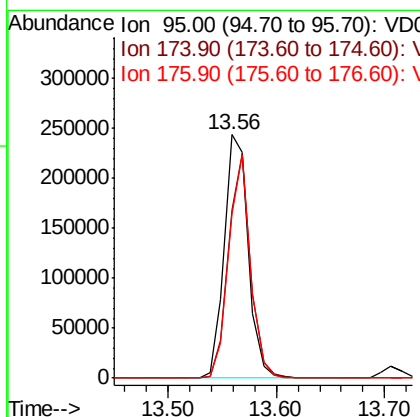
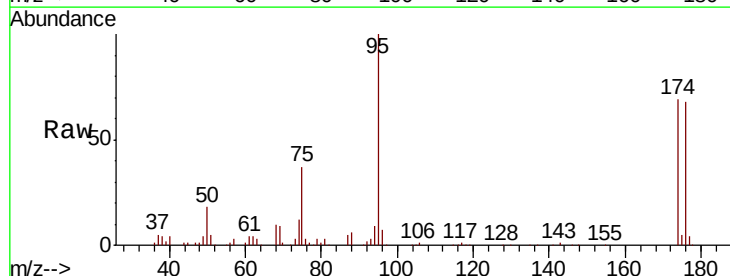
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

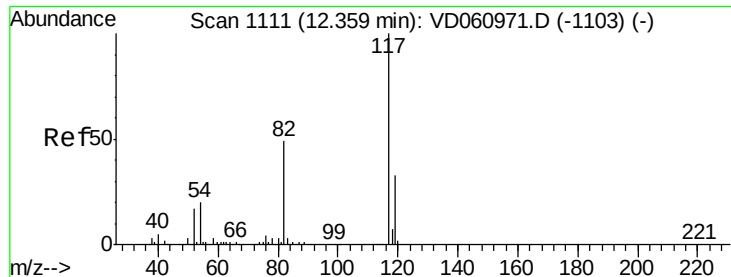
Tot Ion:107 Resp: 123873
Ion Ratio Lower Upper
107 100
109 99.4 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 22.010 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 95 Resp: 376231
Ion Ratio Lower Upper
95 100
174 68.9 0.0 155.6
176 67.5 0.0 153.8

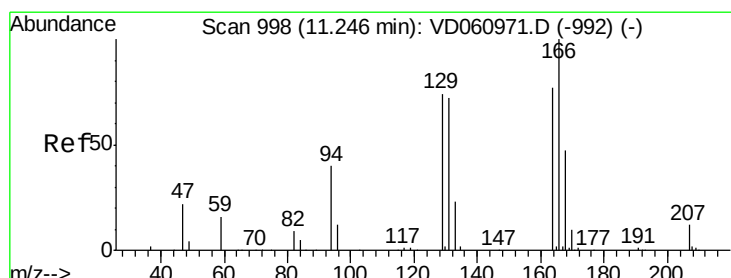
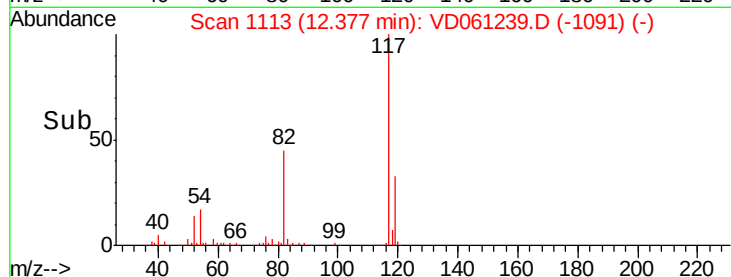
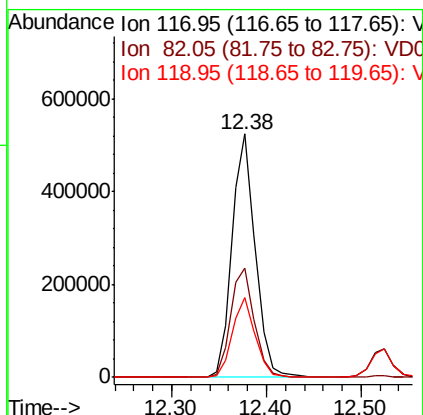
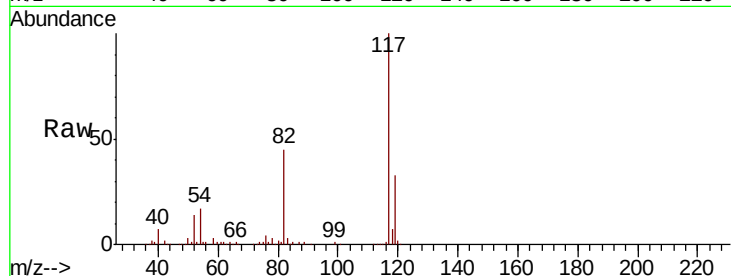




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

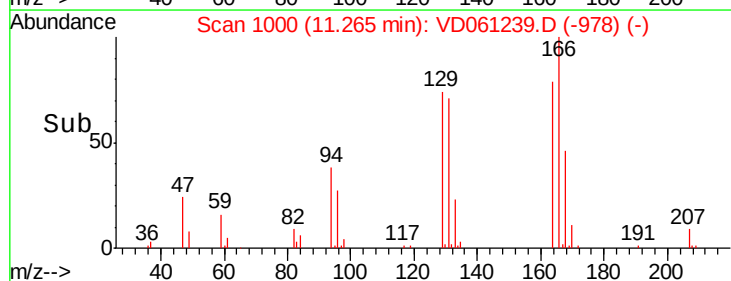
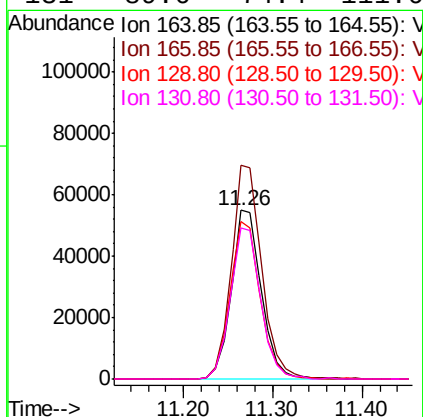
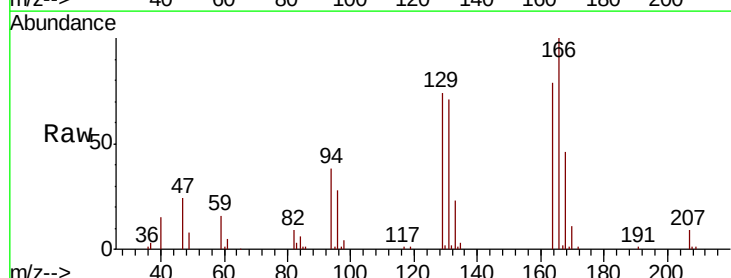
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

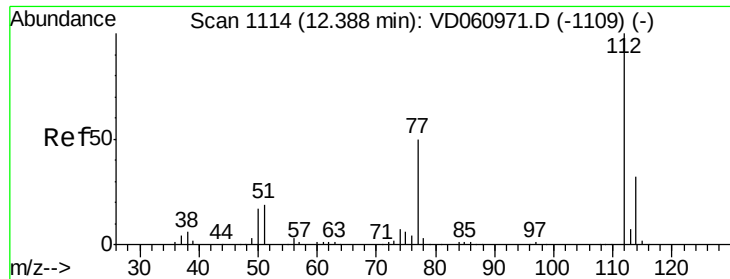
Tot Ion:117 Resp: 888177
Ion Ratio Lower Upper
117 100
82 44.8 38.9 58.3
119 32.7 26.6 39.8



#64
Tetrachloroethene
Concen: 21.465 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion:164 Resp: 128696
Ion Ratio Lower Upper
164 100
166 126.4 103.4 155.0
129 93.0 76.9 115.3
131 89.6 74.4 111.6

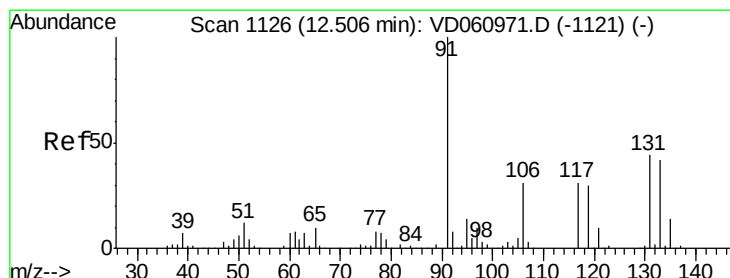
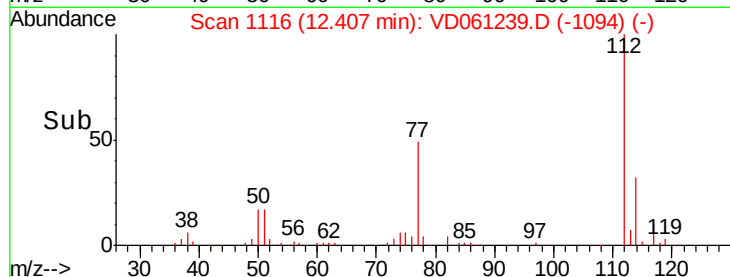
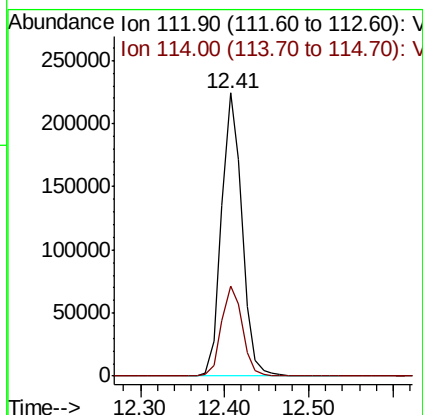
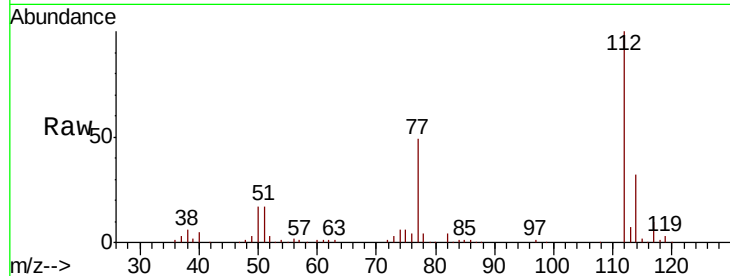




#65
Chlorobenzene
Concen: 21.665 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

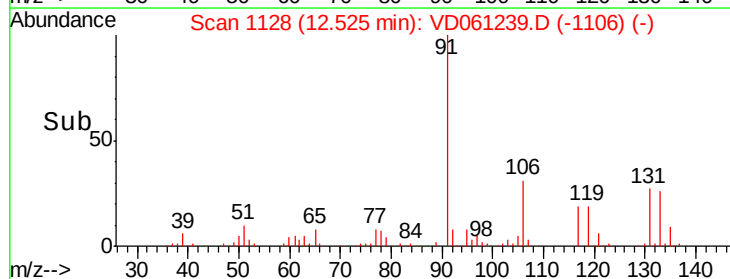
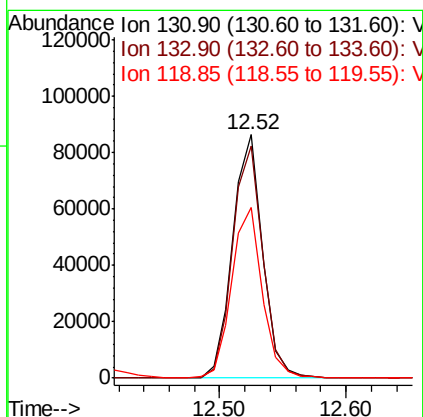
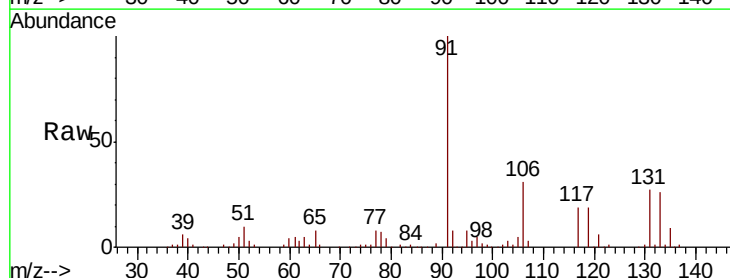
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

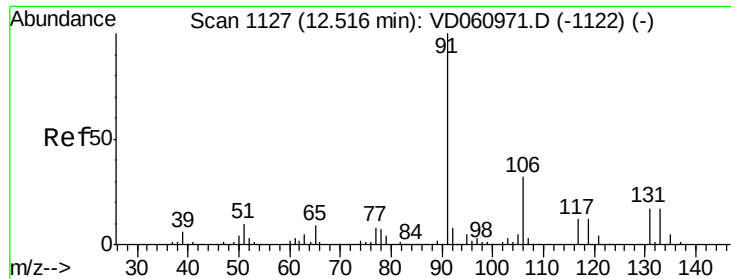
Tot Ion:112 Resp: 377230
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.718 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion:131 Resp: 141003
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 70.3 34.3 102.9

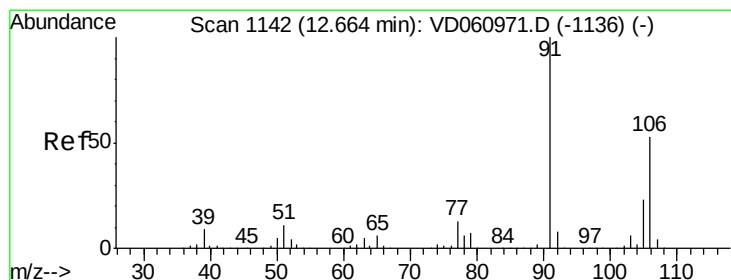
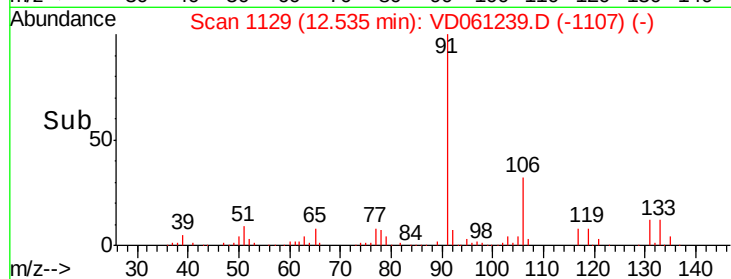
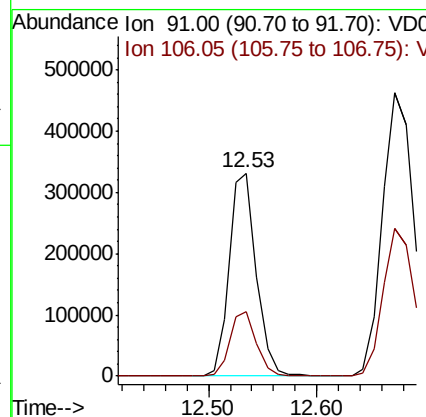
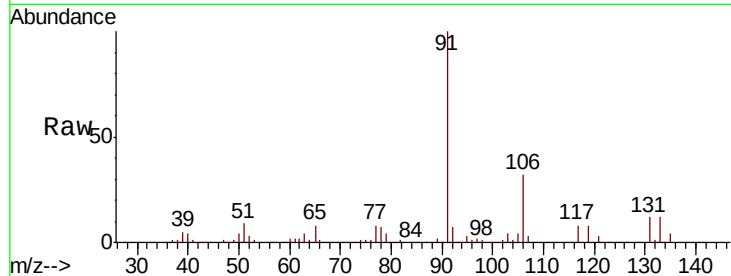




#67
Ethyl Benzene
Concen: 22.222 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

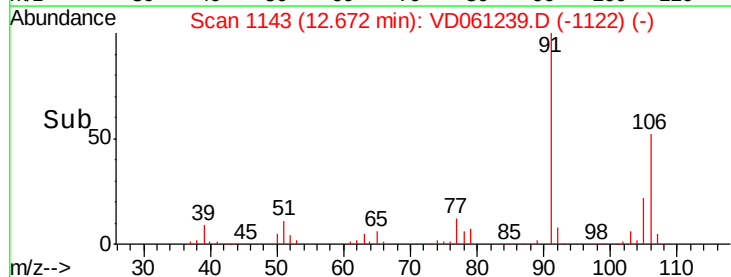
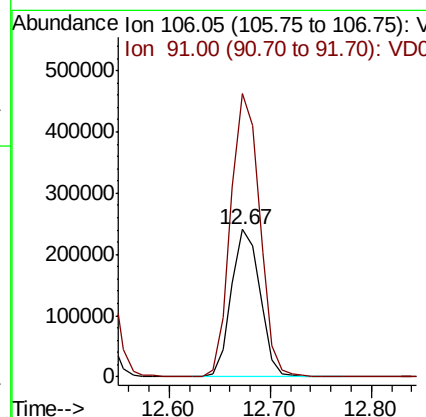
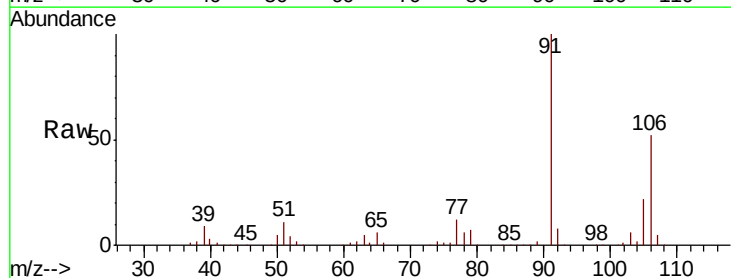
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

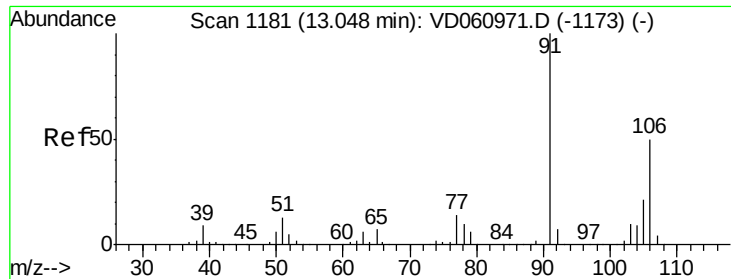
Tot Ion: 91 Resp: 576050
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5



#68
m/p-Xylenes
Concen: 47.028 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 106 Resp: 478478
Ion Ratio Lower Upper
106 100
91 192.0 152.0 228.0

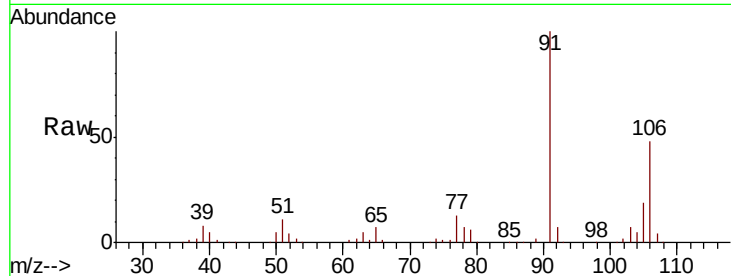




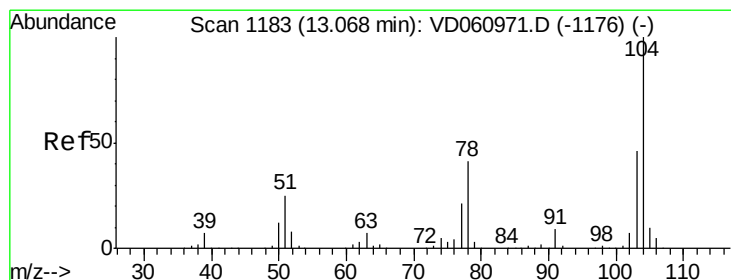
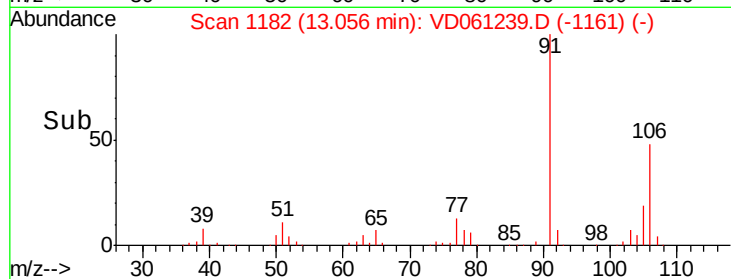
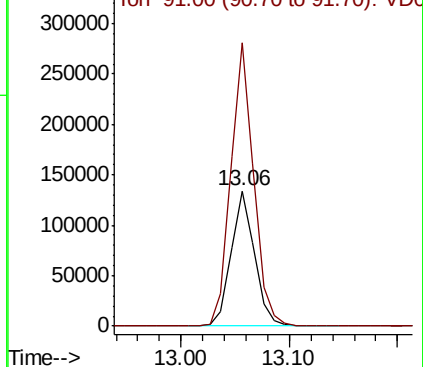
#69
o-Xylene
Concen: 20.106 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

Tot Ion:106 Resp: 201083
Ion Ratio Lower Upper
106 100
91 209.6 99.8 299.3

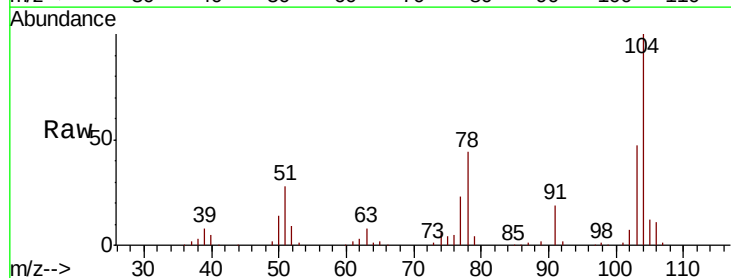


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

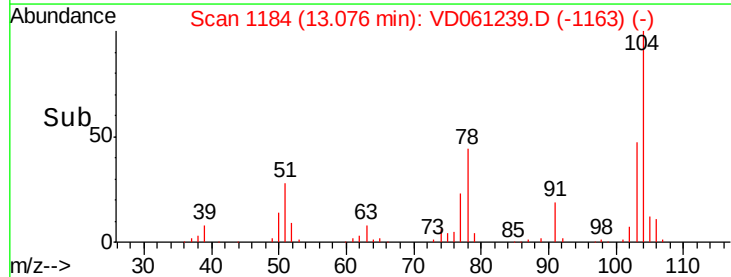
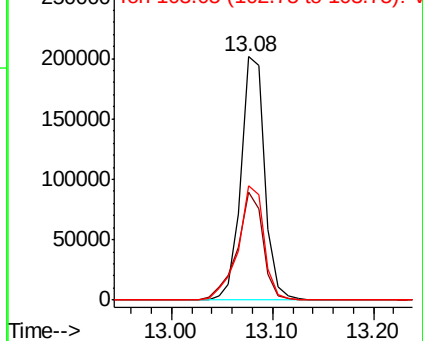


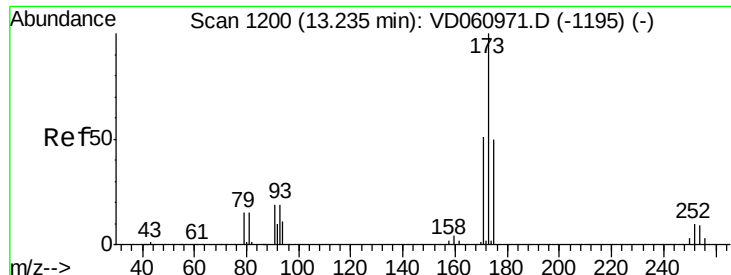
#70
Styrene
Concen: 20.254 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion:104 Resp: 330766
Ion Ratio Lower Upper
104 100
78 44.3 33.0 49.4
103 46.8 37.1 55.7



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: 22.505 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

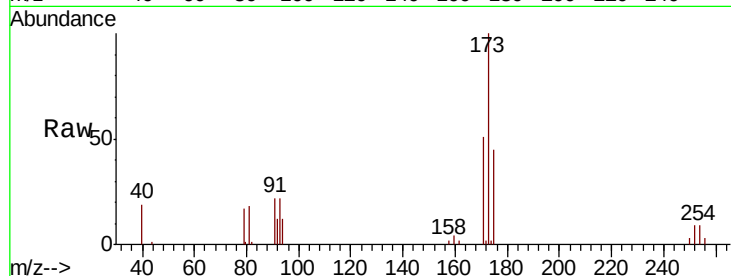
Tot Ion:173 Resp: 90107

Ion Ratio Lower Upper

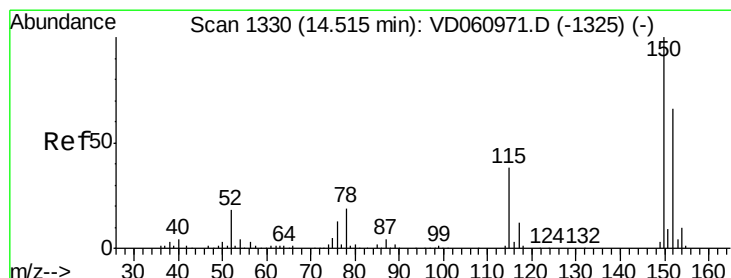
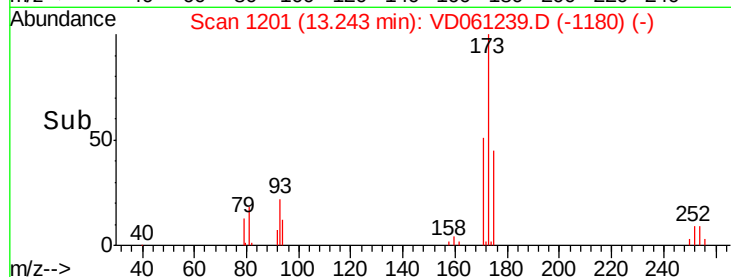
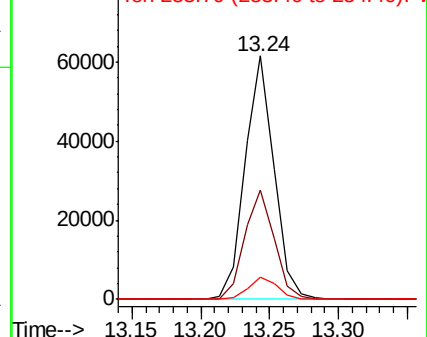
173 100

175 44.9 24.9 74.8

254 9.1 7.3 10.9



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# 1331

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

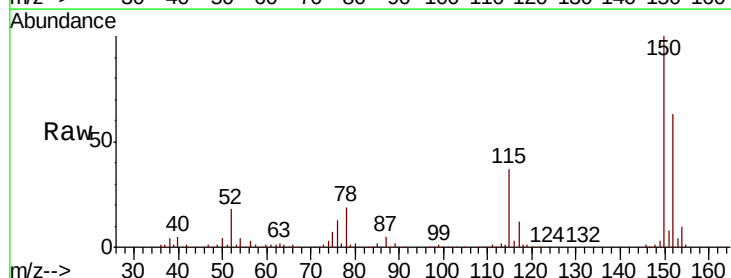
Tgt Ion:152 Resp: 403395

Ion Ratio Lower Upper

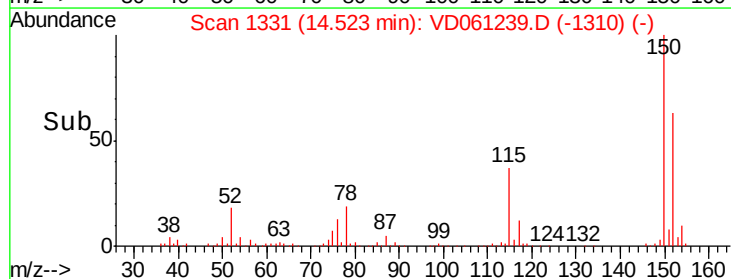
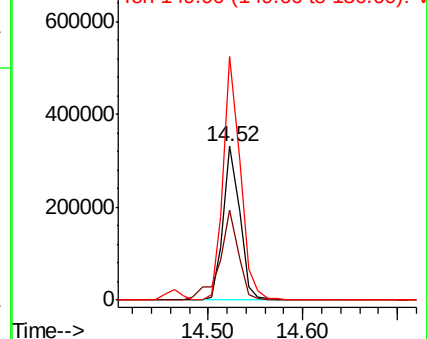
152 100

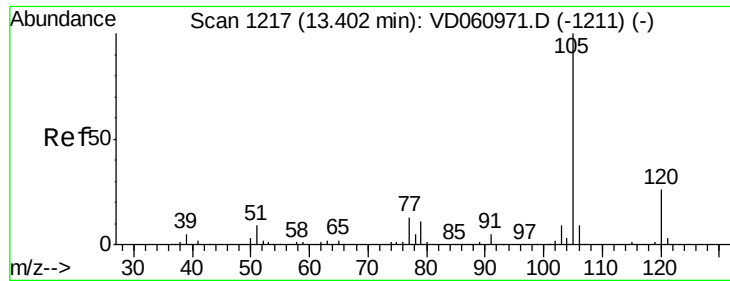
115 58.5 28.6 85.9

150 158.7 0.0 310.6



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: 20.020 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

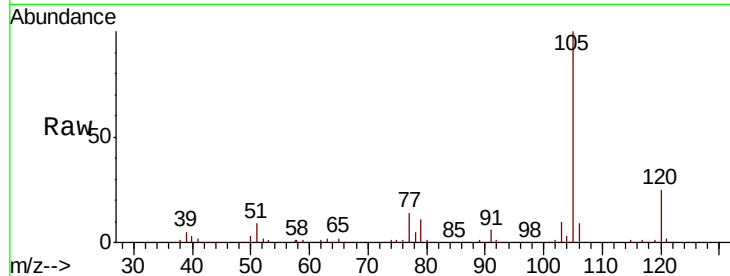
VD0321SBS01

Tot Ion:105 Resp: 582020

Ion Ratio Lower Upper

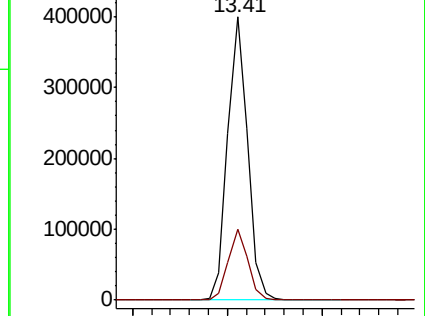
105 100

120 25.1 12.8 38.4

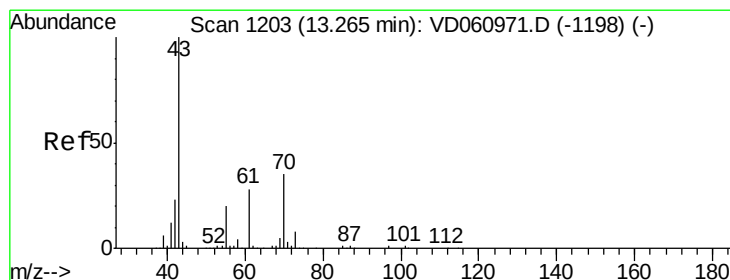
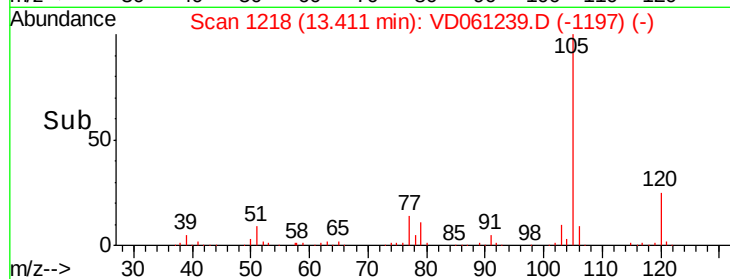


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.594 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Tgt Ion: 43 Resp: 152209

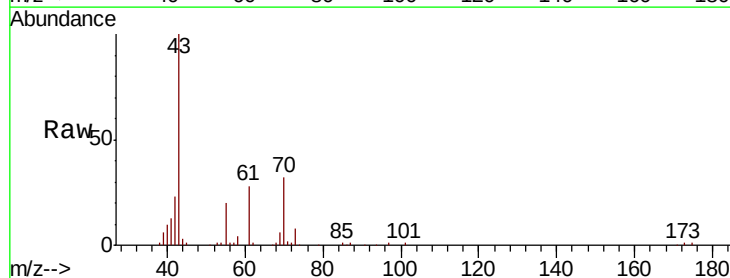
Ion Ratio Lower Upper

43 100

70 32.2 27.7 41.5

55 20.1 16.2 24.2

61 27.8 22.3 33.5

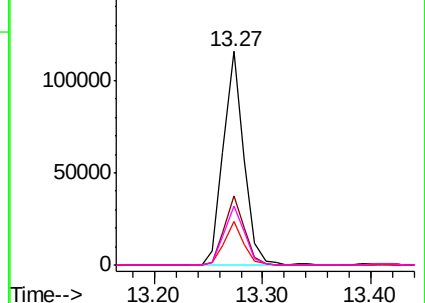


Abundance Ion 42.95 (42.65 to 43.65): VDC

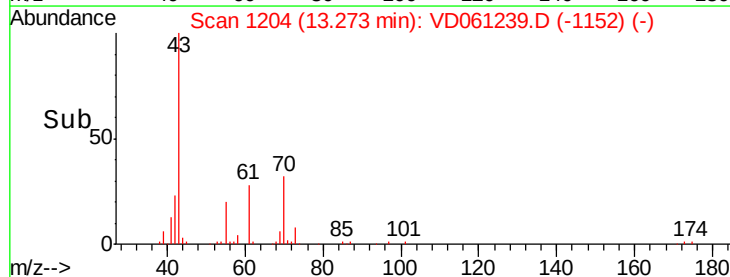
Ion 70.00 (69.70 to 70.70): VDC

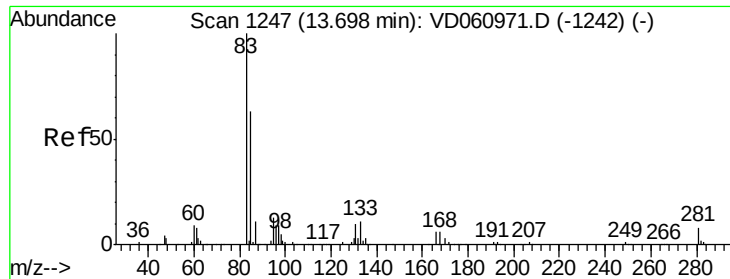
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 19.925 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

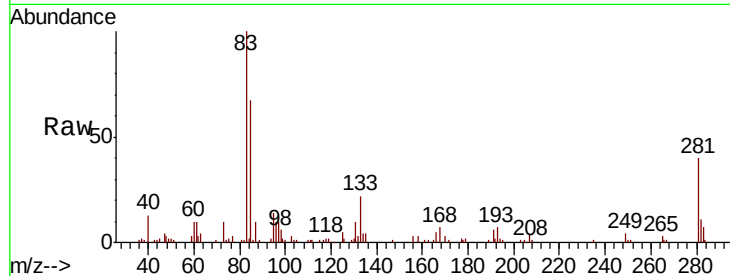
Tot Ion: 83 Resp: 113014

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

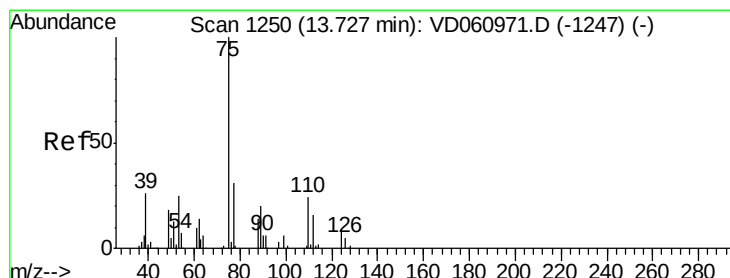
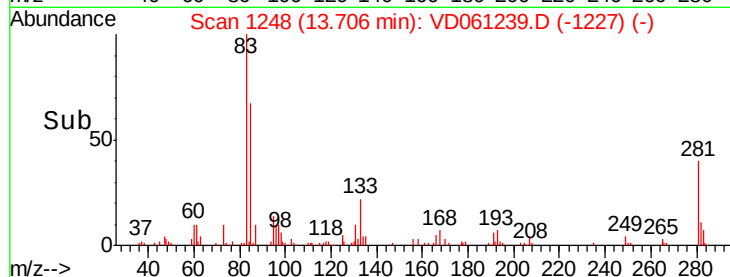
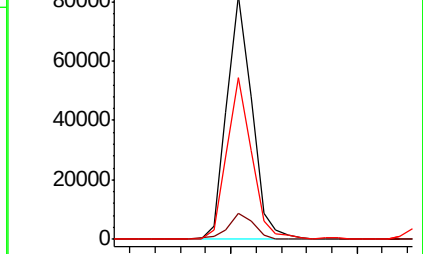
85 66.7 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.828 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061239.D

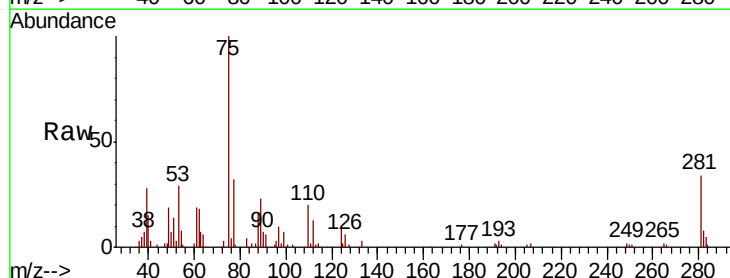
Acq: 21 Mar 2019 12:41

Tgt Ion: 75 Resp: 120874

Ion Ratio Lower Upper

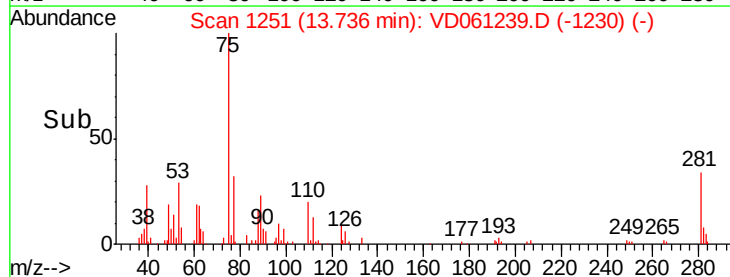
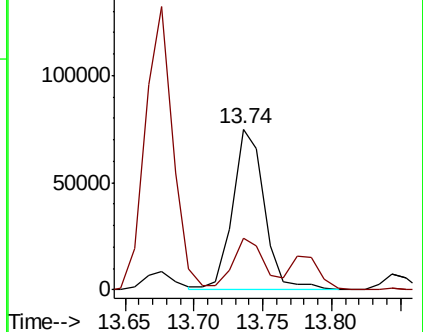
75 100

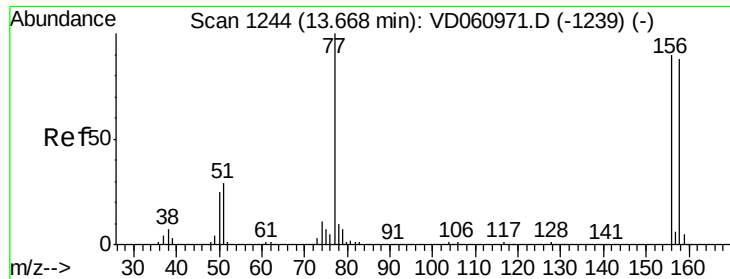
77 32.2 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

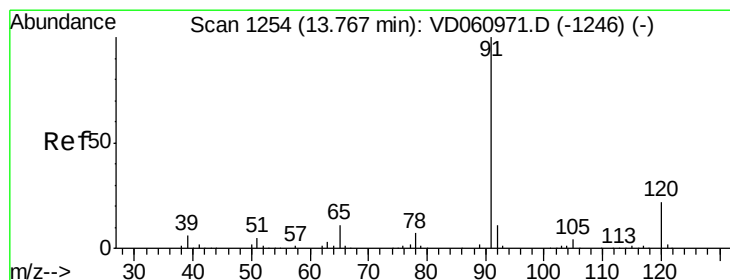
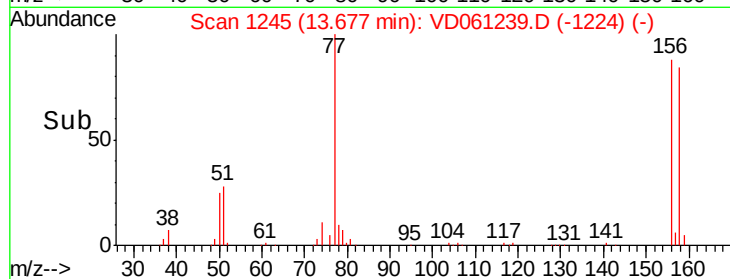
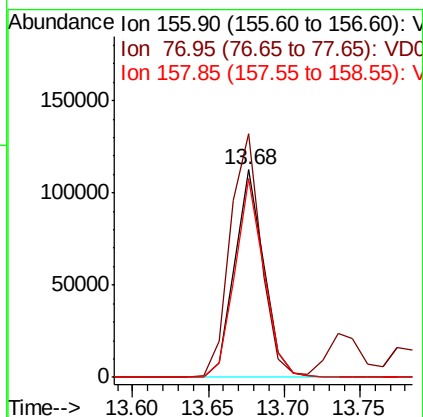
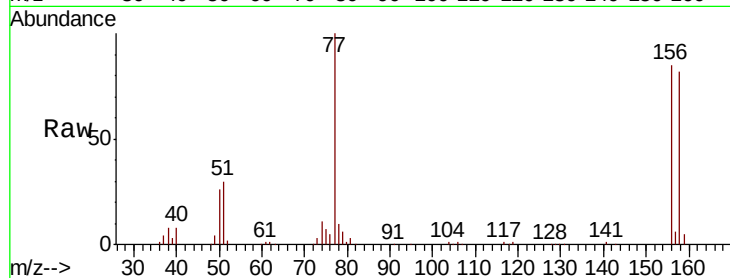




#77
Bromobenzene
Concen: 20.238 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

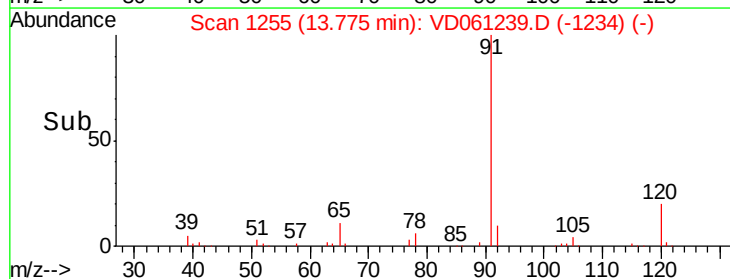
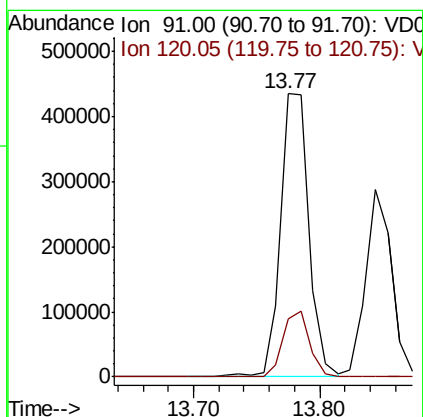
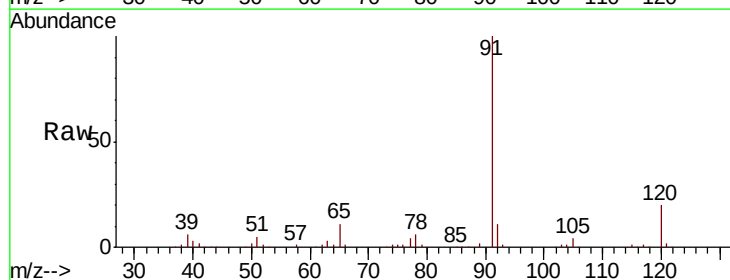
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

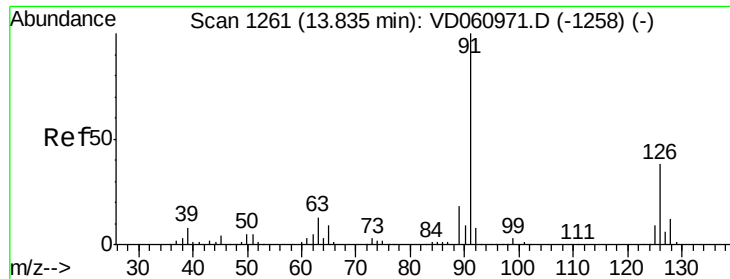
Tot Ion:156 Resp: 150188
Ion Ratio Lower Upper
156 100
77 117.2 55.5 166.7
158 95.9 49.0 147.0



#78
n-propylbenzene
Concen: 19.958 ug/l
RT: 13.77 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 91 Resp: 679252
Ion Ratio Lower Upper
91 100
120 20.3 10.8 32.3

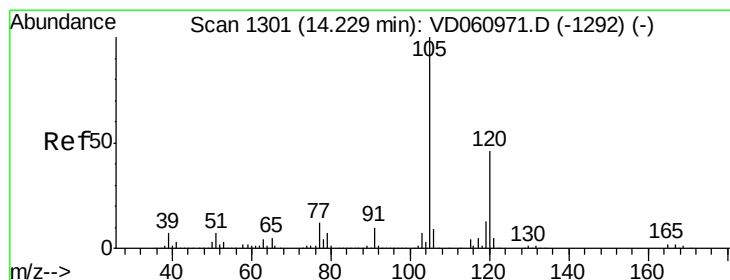
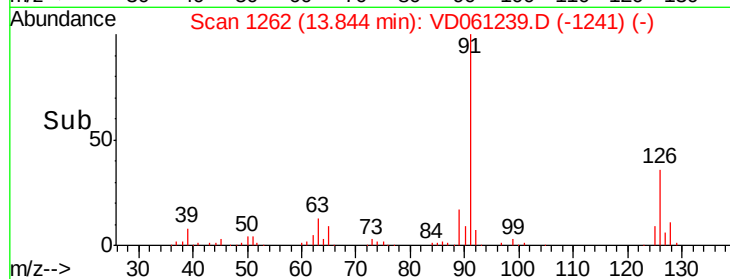
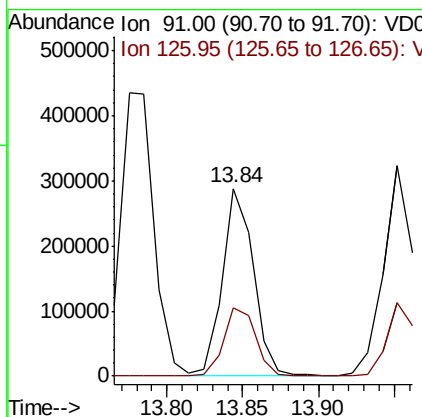
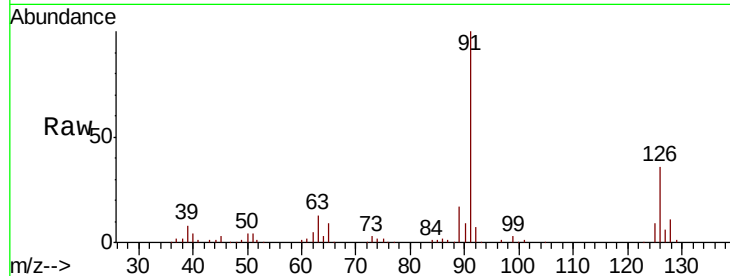




#79
 2-Chlorotoluene
 Concen: 21.641 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

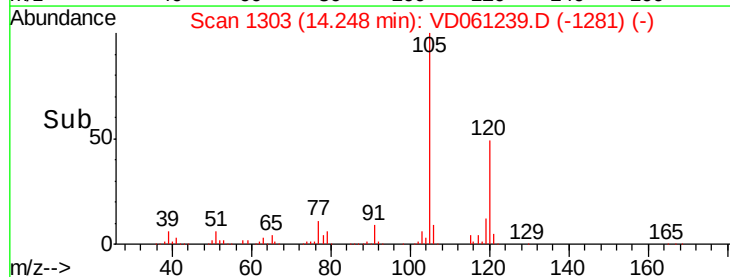
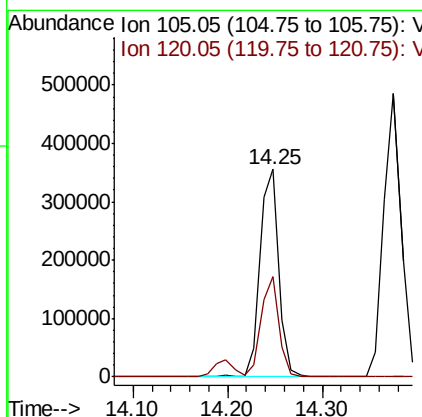
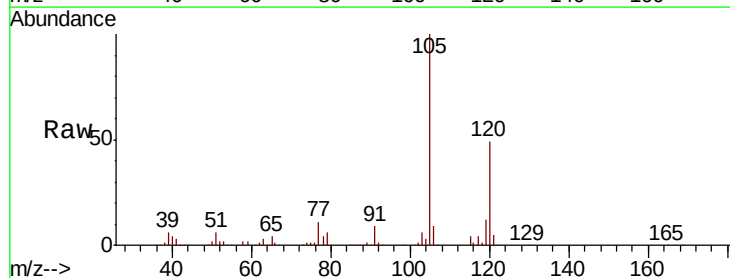
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

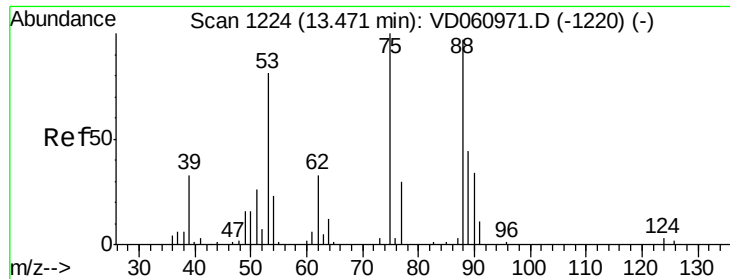
Tot Ion: 91 Resp: 405500
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.6 55.6



#80
 1,3,5-Trimethylbenzene
 Concen: 22.290 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion: 105 Resp: 491954
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.022 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

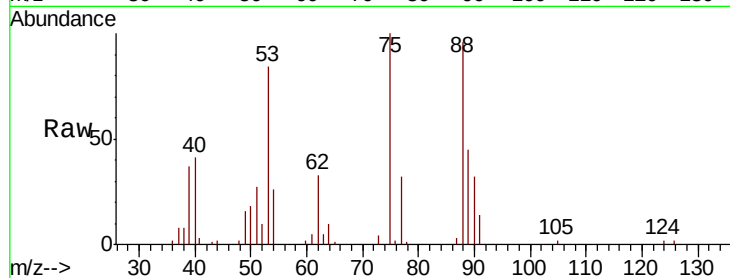
Tot Ion: 75 Resp: 32546

Ion Ratio Lower Upper

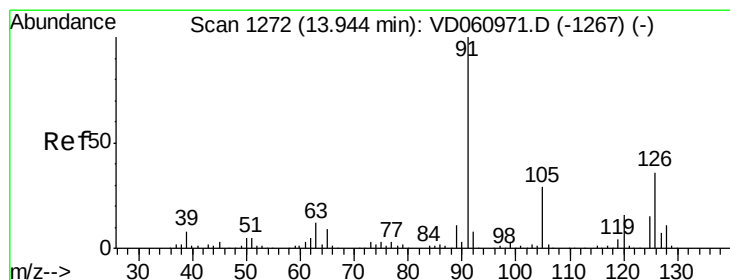
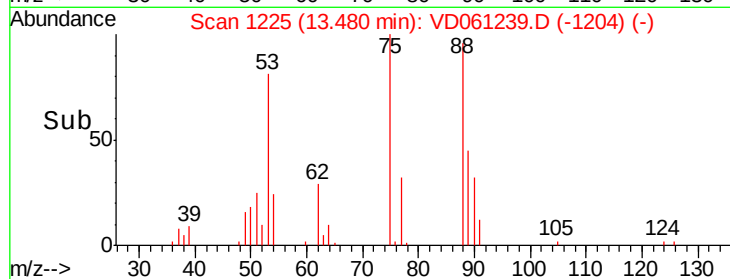
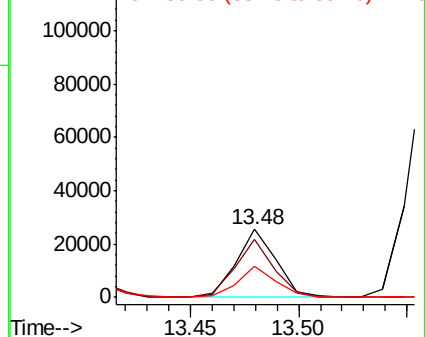
75 100

53 84.2 64.4 96.6

89 45.0 34.8 52.2



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: 20.117 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061239.D

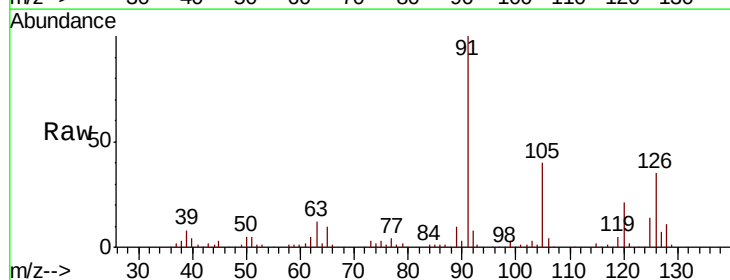
Acq: 21 Mar 2019 12:41

Tgt Ion: 91 Resp: 445611

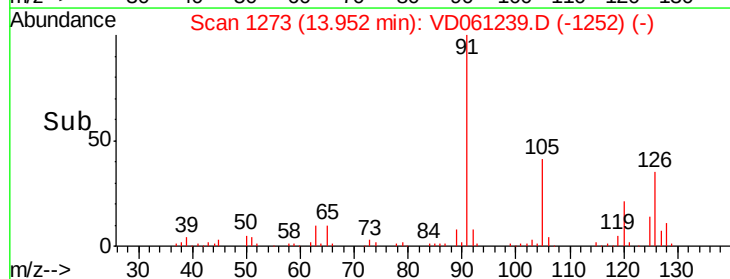
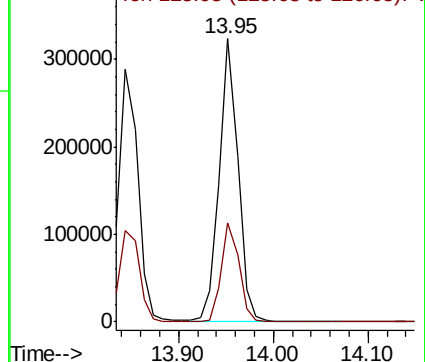
Ion Ratio Lower Upper

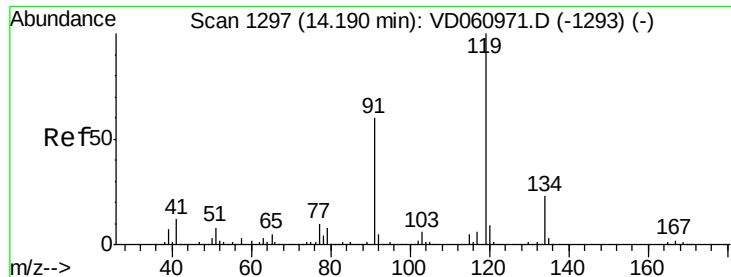
91 100

126 35.1 18.0 54.0



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





#83

tert-Butylbenzene

Concen: 23.441 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

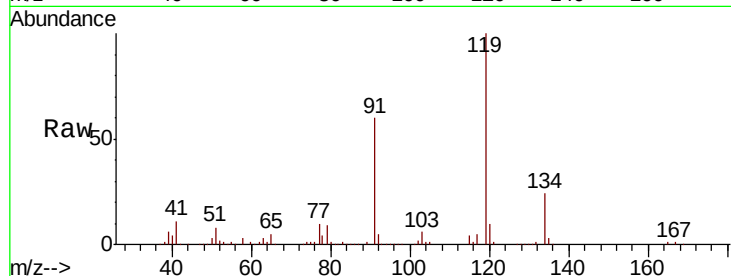
Tot Ion:119 Resp: 566190

Ion Ratio Lower Upper

119 100

91 60.2 30.1 90.3

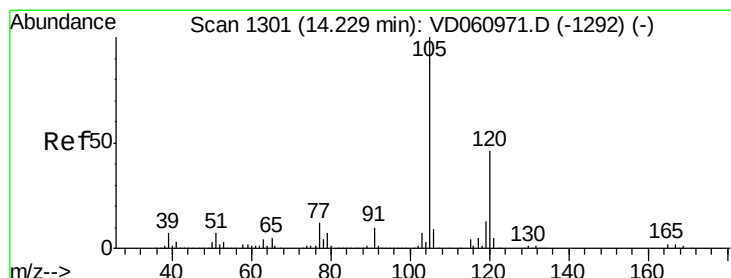
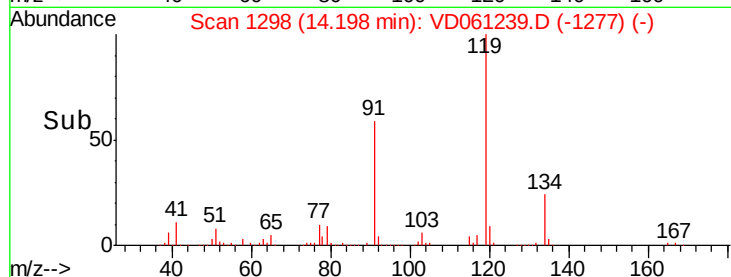
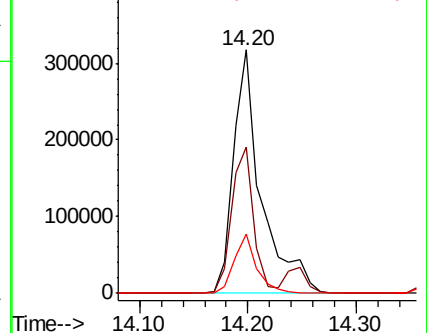
134 24.2 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.290 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD061239.D

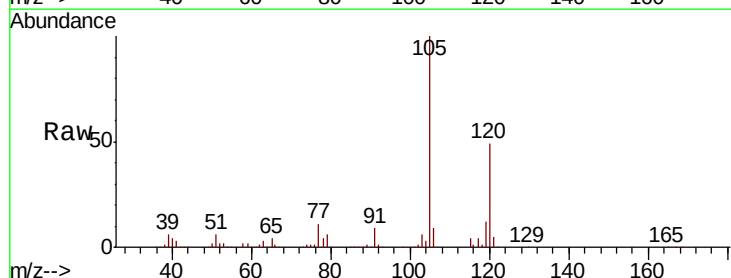
Acq: 21 Mar 2019 12:41

Tgt Ion:105 Resp: 491954

Ion Ratio Lower Upper

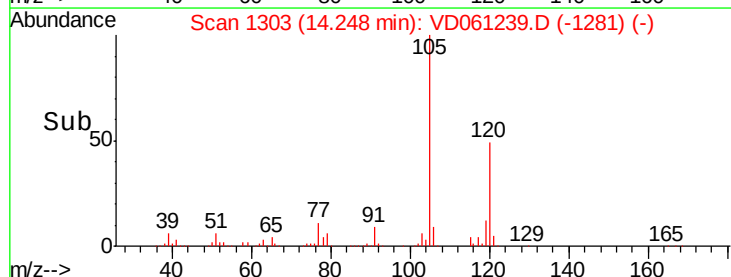
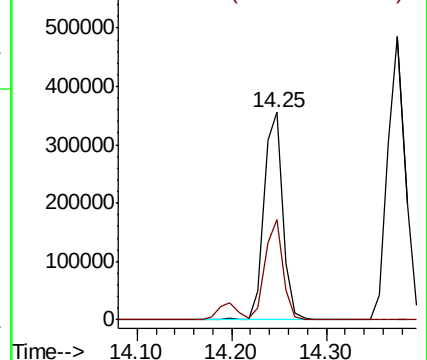
105 100

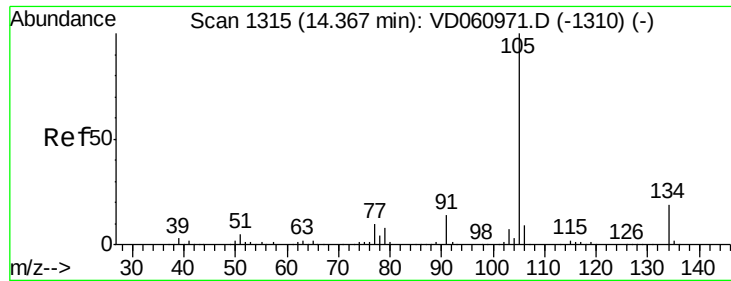
120 48.6 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.259 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleID :

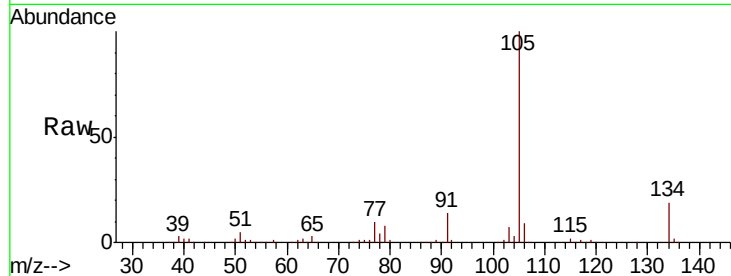
VD0321SBS01

Tot Ion:105 Resp: 626866

Ion Ratio Lower Upper

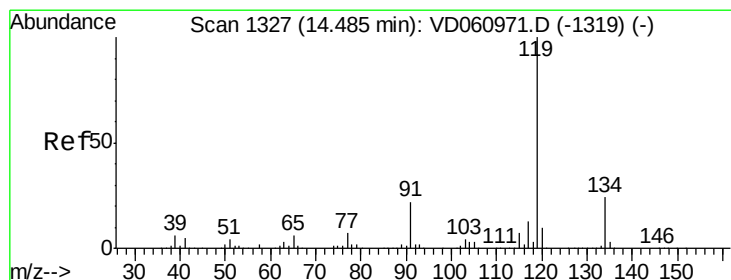
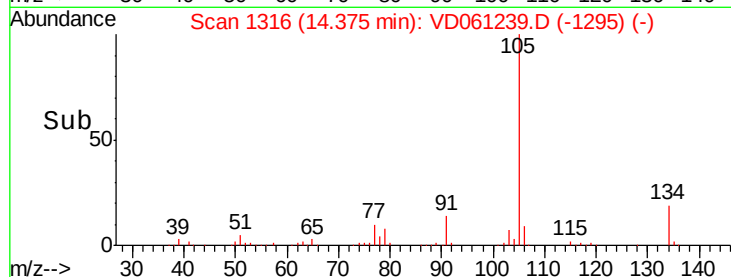
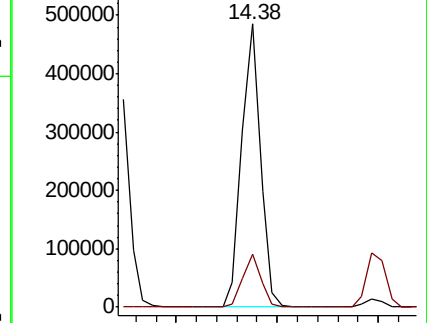
105 100

134 18.8 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.599 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

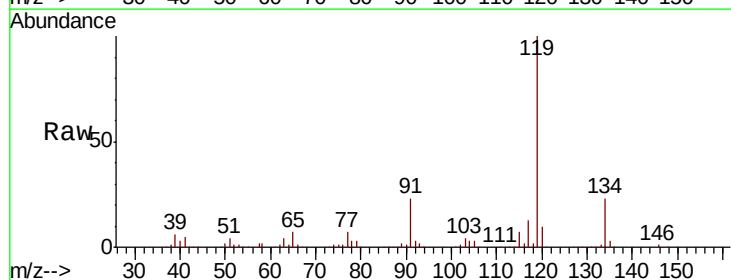
Tgt Ion:119 Resp: 520586

Ion Ratio Lower Upper

119 100

134 23.0 12.0 36.1

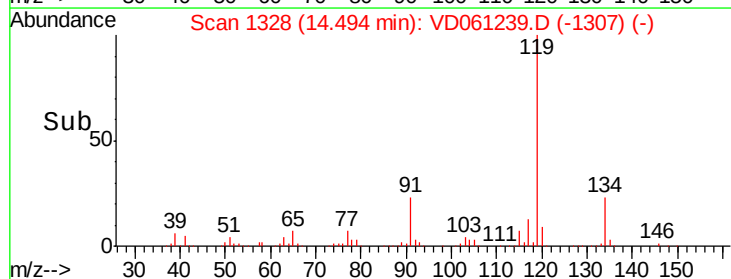
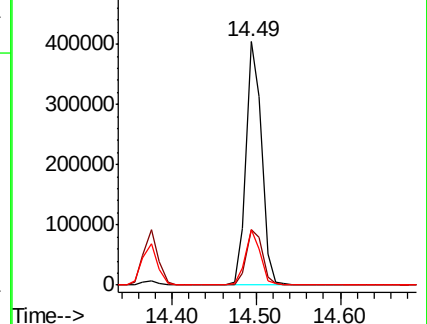
91 22.9 11.2 33.6

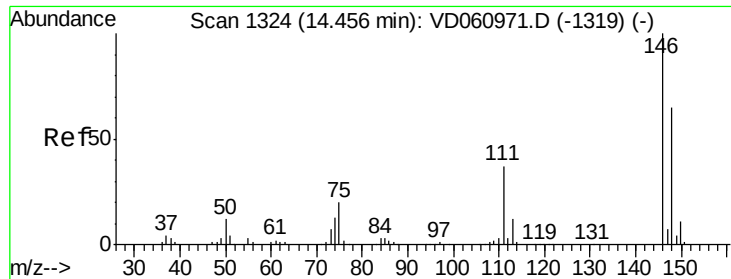


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

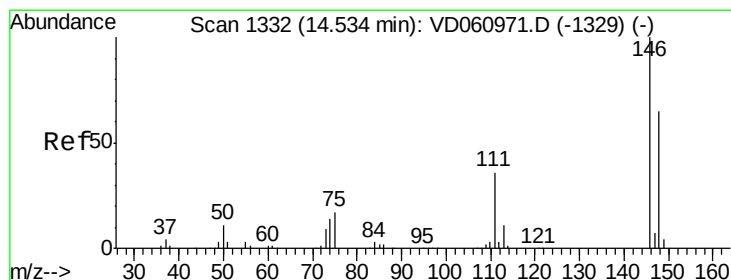
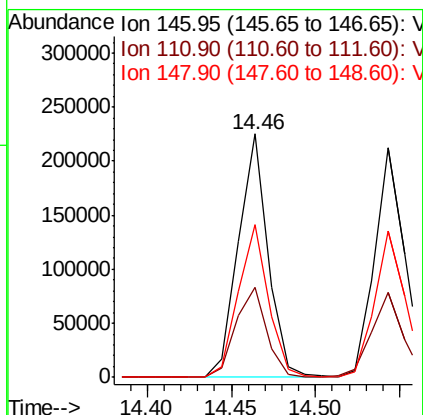
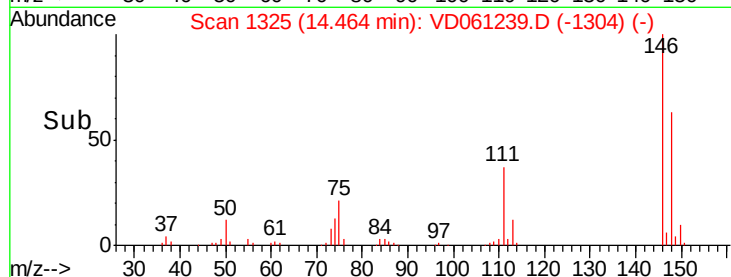
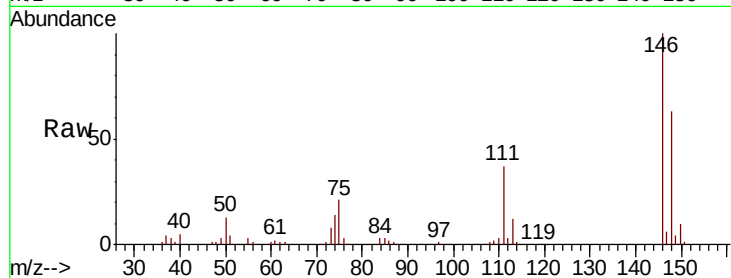




#87
 1,3-Dichlorobenzene
 Concen: 20.821 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

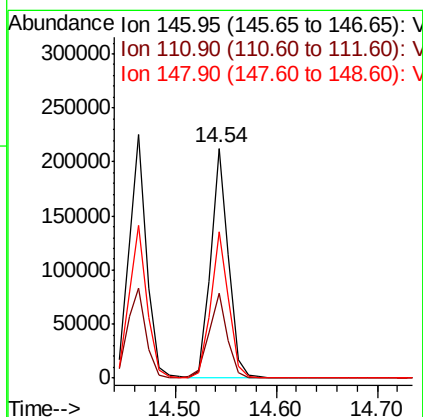
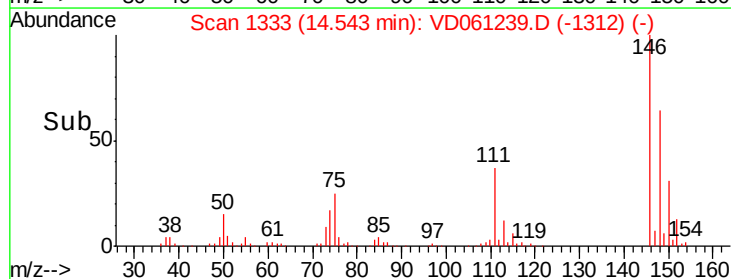
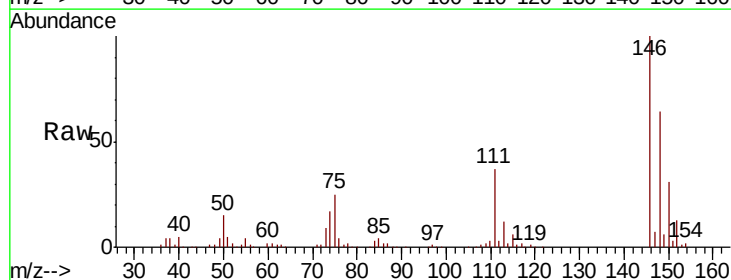
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

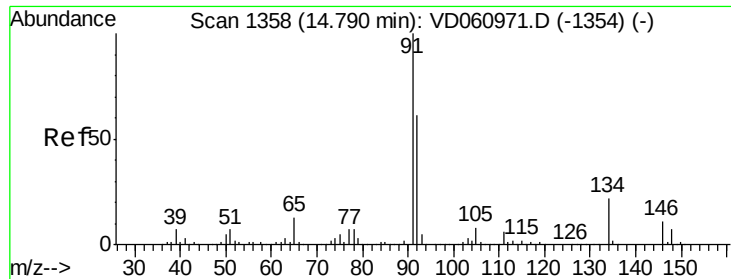
Tot Ion:146 Resp: 275912
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.4 55.4
 148 62.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 20.302 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion:146 Resp: 264378
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.2
 148 63.7 32.5 97.5

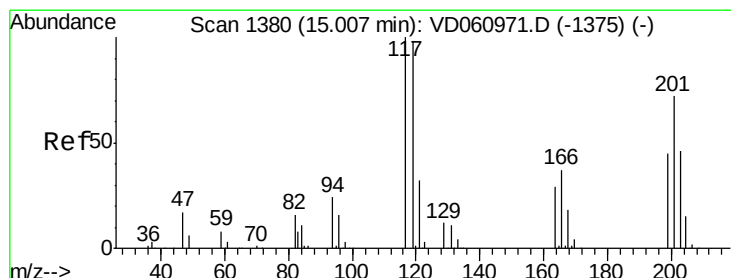
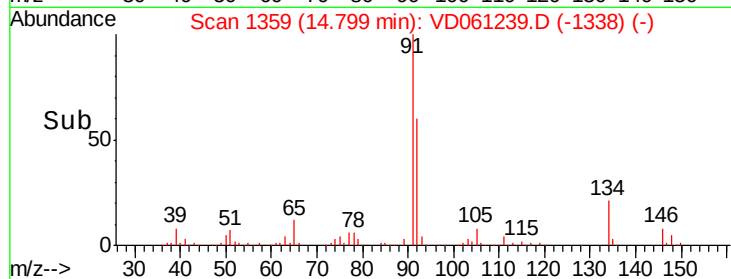
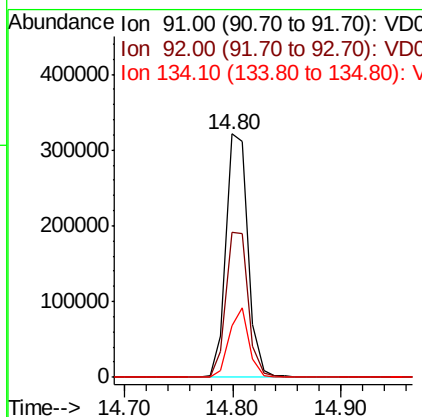
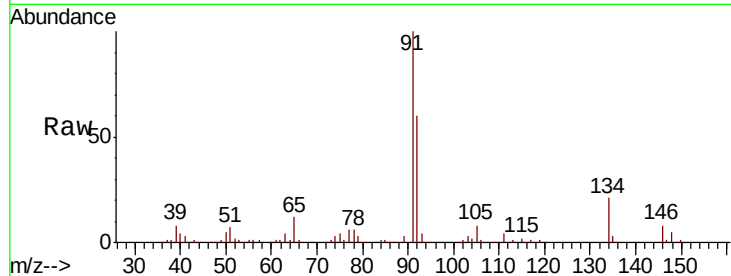




#89
n-Butylbenzene
Concen: 19.809 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

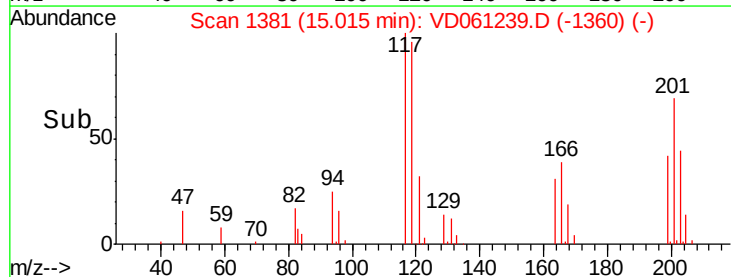
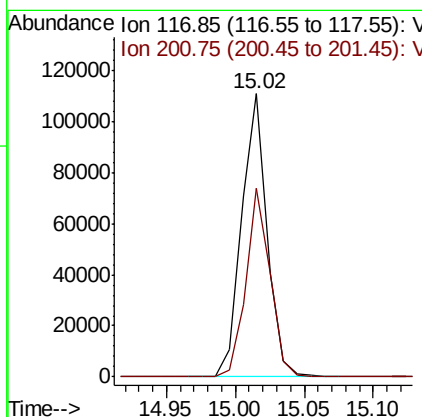
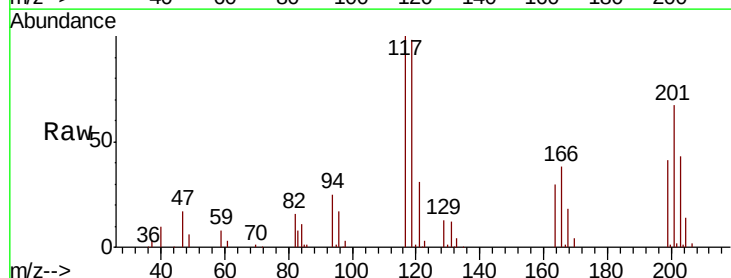
Instrument :
MSVOA_D
ClientSampleId :
VD0321SBS01

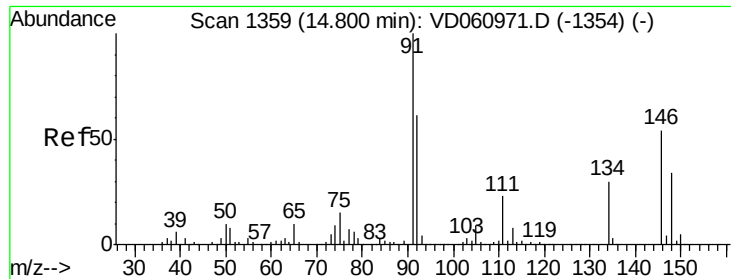
Tot Ion: 91 Resp: 458505
Ion Ratio Lower Upper
91 100
92 59.8 30.6 91.8
134 21.3 11.0 33.0



#90
Hexachloroethane
Concen: 20.891 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061239.D
Acq: 21 Mar 2019 12:41

Tgt Ion: 117 Resp: 142181
Ion Ratio Lower Upper
117 100
201 66.7 36.2 108.6

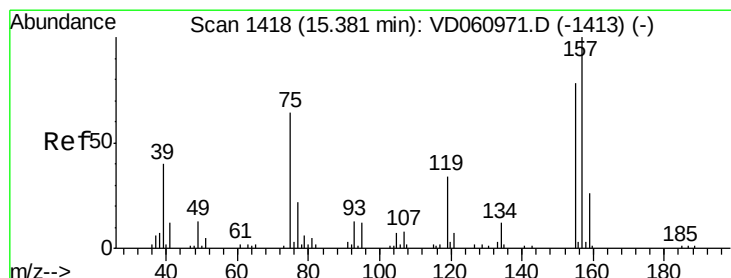
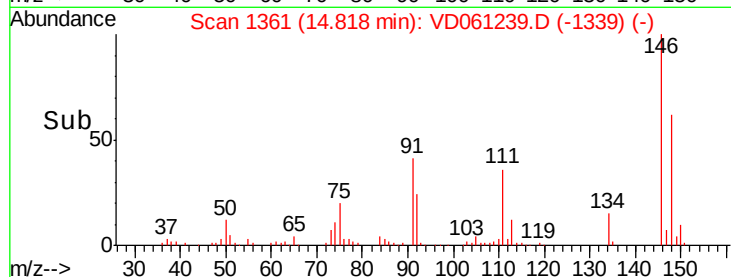
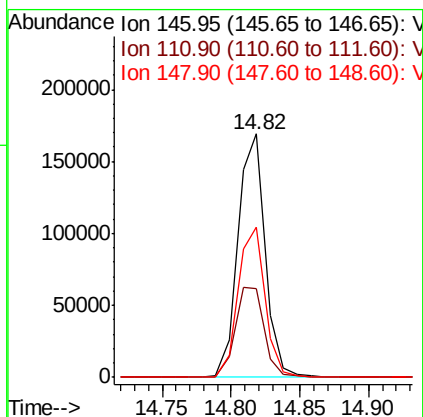
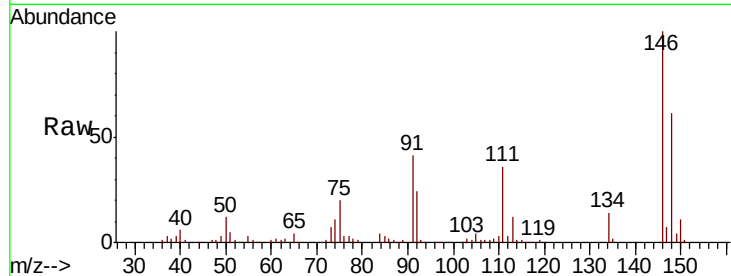




#91
 1,2-Dichlorobenzene
 Concen: 21.038 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

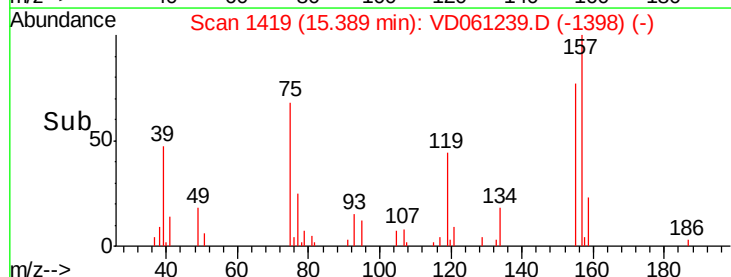
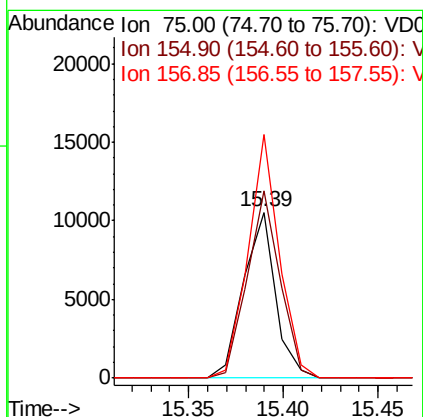
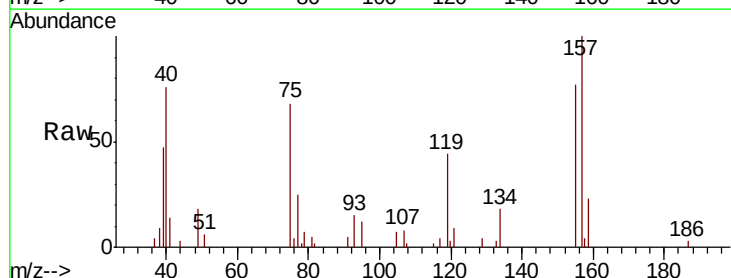
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

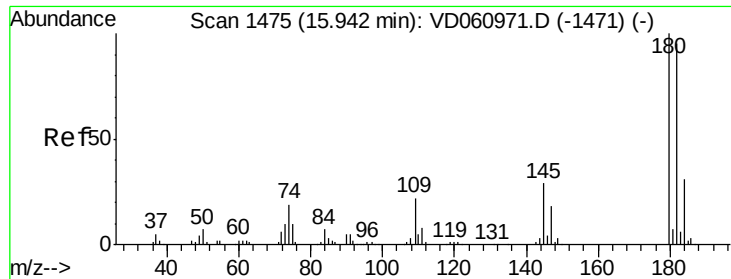
Tot Ion:146 Resp: 232415
 Ion Ratio Lower Upper
 146 100
 111 36.3 21.5 64.5
 148 61.4 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.032 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion: 75 Resp: 12325
 Ion Ratio Lower Upper
 75 100
 155 112.9 61.2 183.5
 157 146.7 78.3 234.8

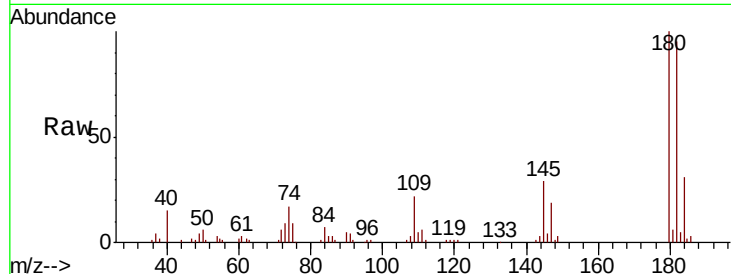




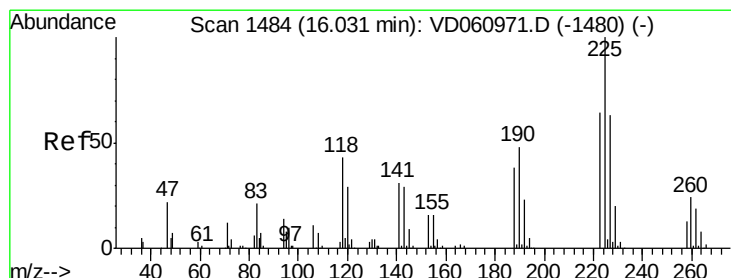
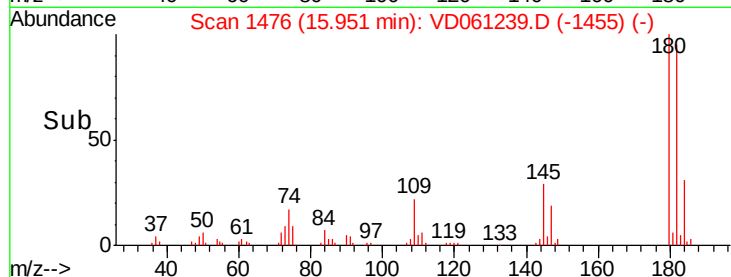
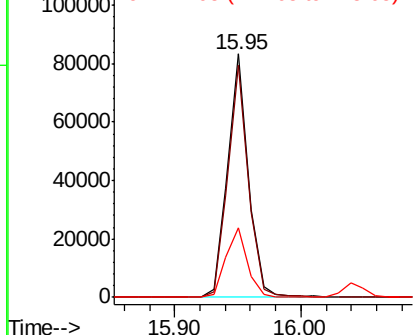
#93
 1,2,4-Trichlorobenzene
 Concen: 18.348 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

Tot Ion:180 Resp: 94032
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.3 142.0
 145 28.6 14.4 43.0

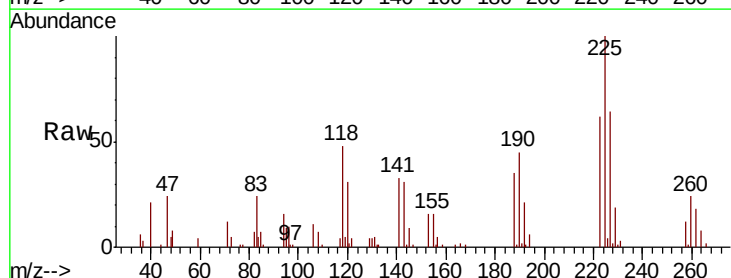


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

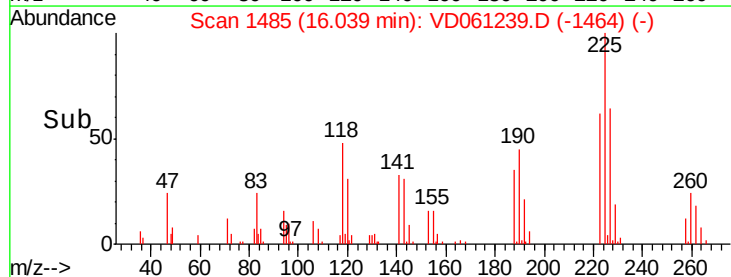
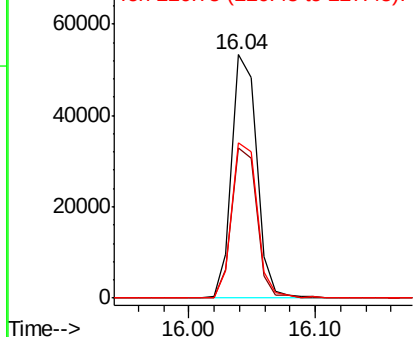


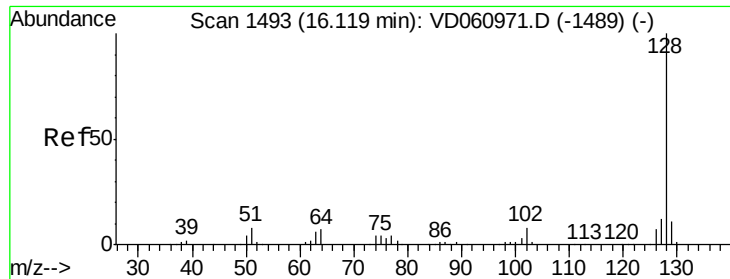
#94
 Hexachlorobutadiene
 Concen: 18.852 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061239.D
 Acq: 21 Mar 2019 12:41

Tgt Ion:225 Resp: 73076
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.3
 227 63.8 31.4 94.0



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: 18.241 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0321SBS01

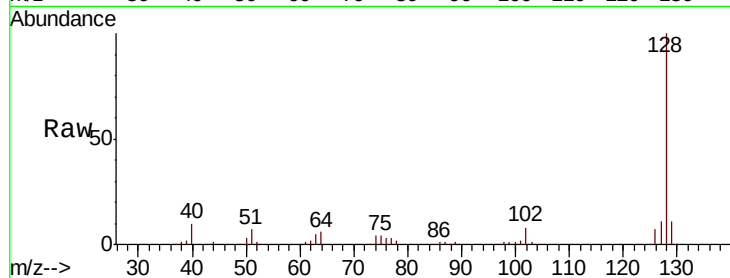
Tot Ion:128 Resp: 142056

Ion Ratio Lower Upper

128 100

127 11.3 9.8 14.8

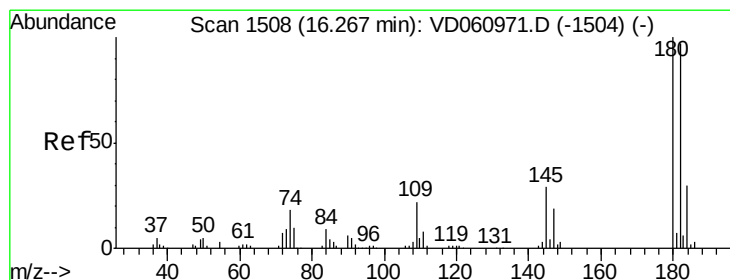
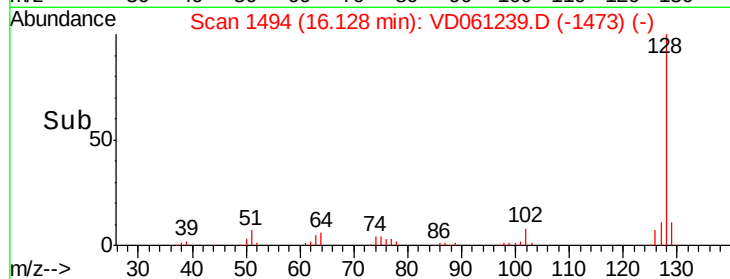
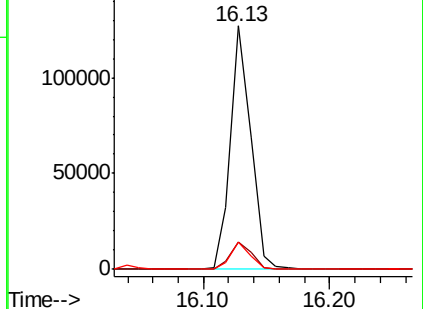
129 11.3 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.291 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD061239.D

Acq: 21 Mar 2019 12:41

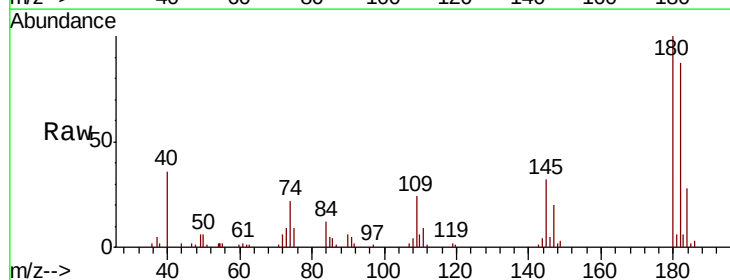
Tgt Ion:180 Resp: 41235

Ion Ratio Lower Upper

180 100

182 87.4 48.6 145.8

145 31.7 14.3 42.9



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

