

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062156.D
 Acq On : 8 May 2019 3:21
 Operator : FY/SY
 Sample : K2673-16
 Misc : 5.03g/5mL/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-02-COMP

Quant Time: May 08 04:34:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	7298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	11544	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	9921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	3643	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	3662	53.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.98%	
35) Dibromofluoromethane	6.88	113	3591	37.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.98%	
50) Toluene-d8	10.39	98	8180	35.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.84%	
62) 4-Bromofluorobenzene	13.55	95	3623	39.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.14%	

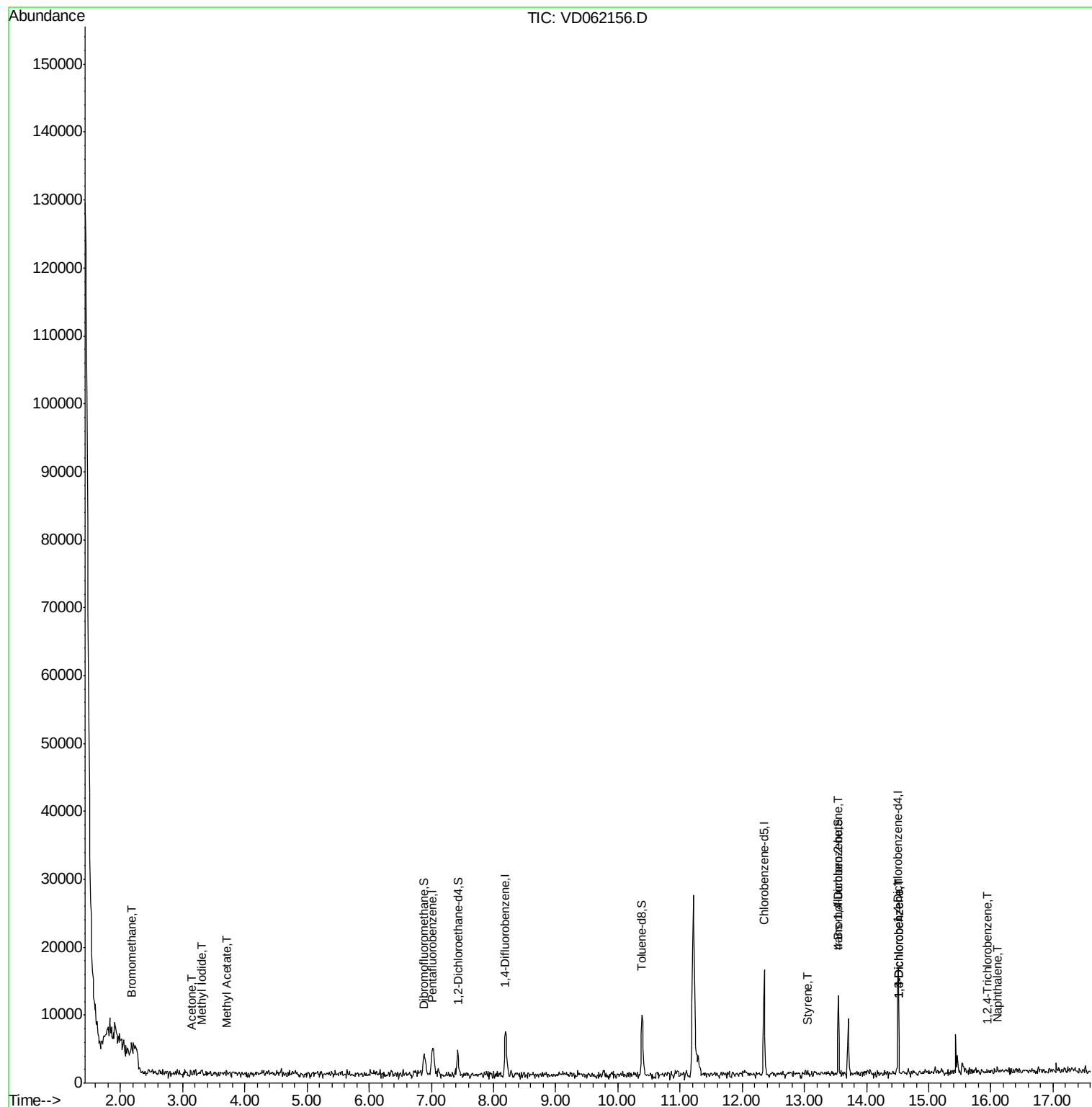
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	472	40.640	ug/l #	12
10) Methyl Iodide	3.31	142	367	3.331	ug/l #	37
16) Acetone	3.15	43	210	14.765	ug/l #	50
18) Methyl Acetate	3.72	43	188	7.130	ug/l #	53
70) Styrene	13.05	104	206	1.162	ug/l #	31
81) trans-1,4-Dichloro-2-buten	13.55	75	1690	138.273	ug/l #	16
87) 1,3-Dichlorobenzene	14.53	146	231	2.069	ug/l #	25
88) 1,4-Dichlorobenzene	14.53	146	231	2.105	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.94	180	184	2.749	ug/l #	11
95) Naphthalene	16.11	128	240	2.568	ug/l #	70

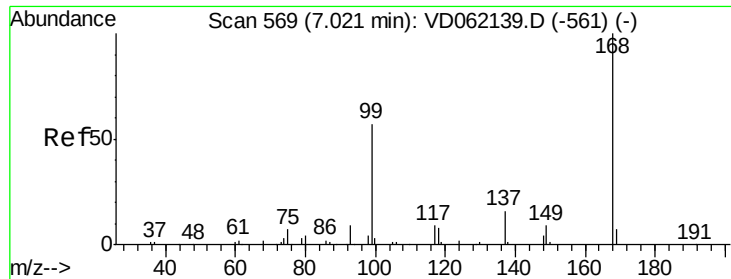
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062156.D

Acq: 8 May 2019 3:21

Instrument :

MSVOA_D

ClientSampleId :

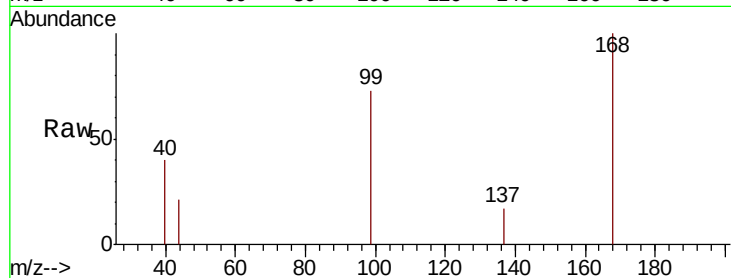
SP-02-COMP

Tot Ion:168 Resp: 7298

Ion Ratio Lower Upper

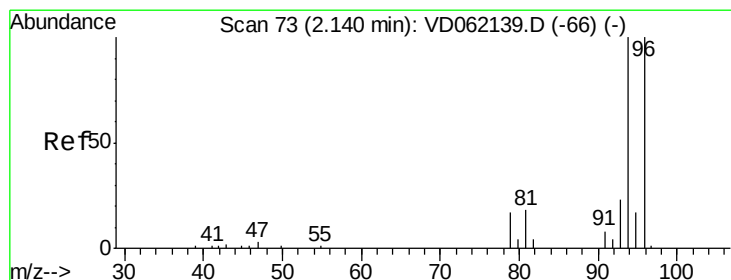
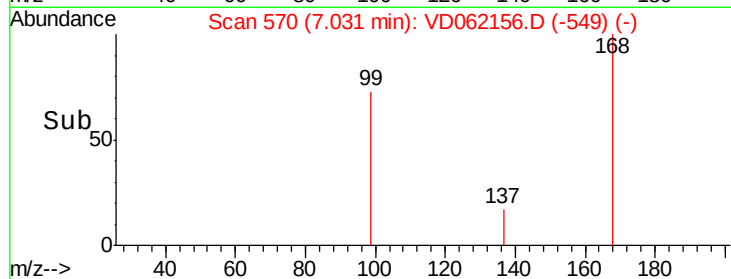
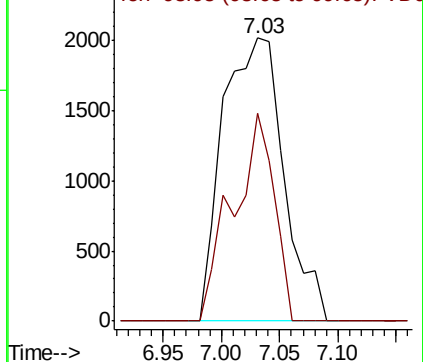
168 100

99 73.2 46.5 69.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 40.640 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062156.D

Acq: 8 May 2019 3:21

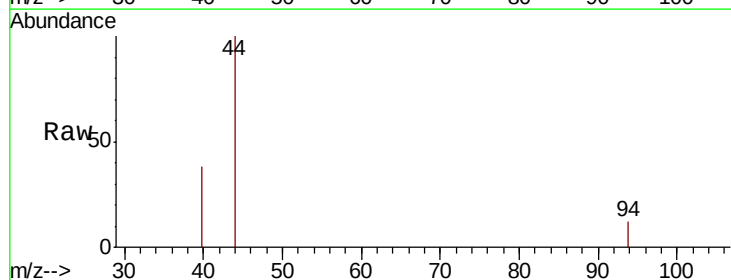
Tgt Ion: 94 Resp: 472

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

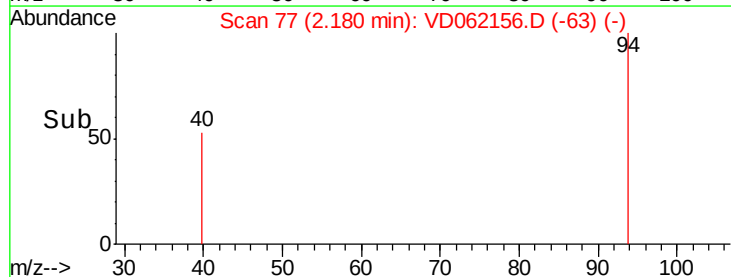
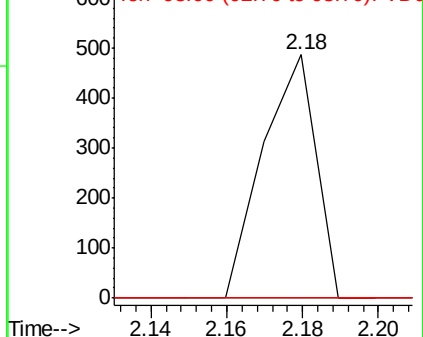
93 0.0 18.5 27.7#

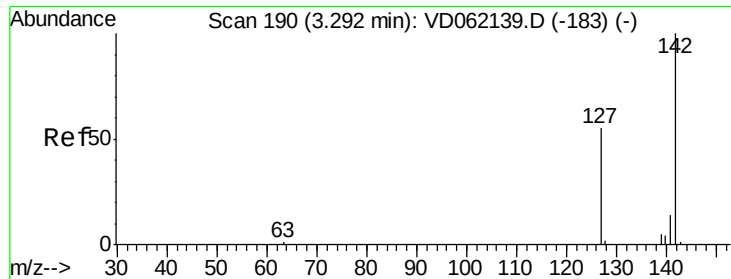


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

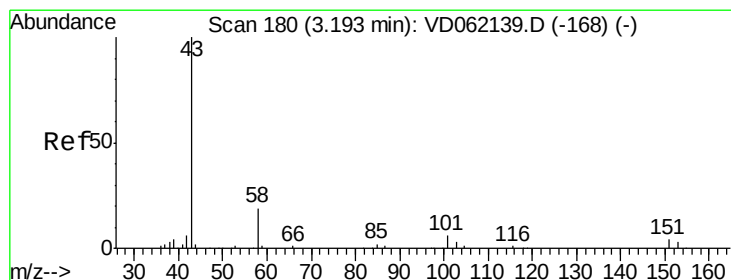
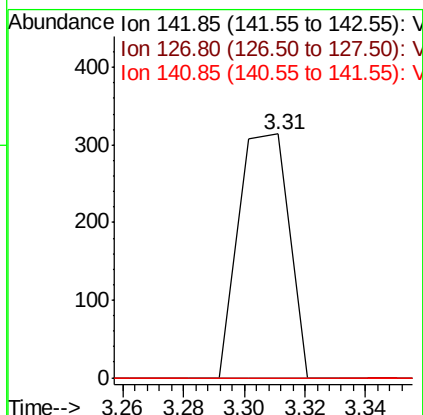
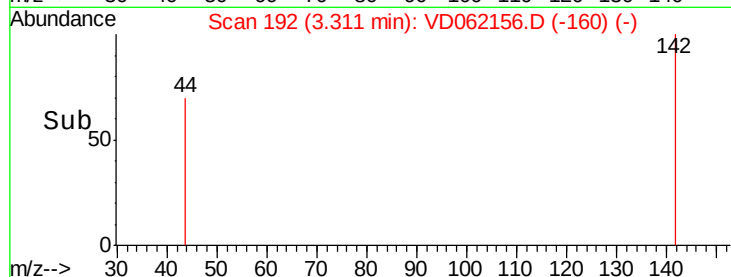
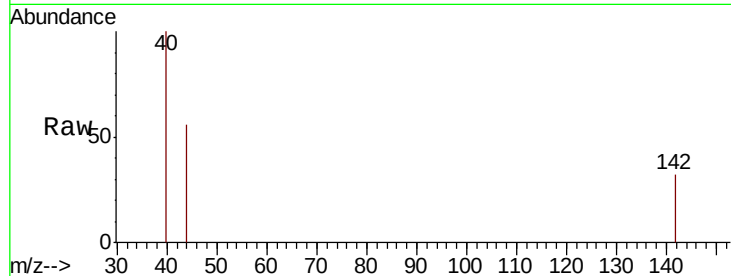




#10
Methyl Iodide
Concen: 3.331 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062156.D
Acq: 8 May 2019 3:21

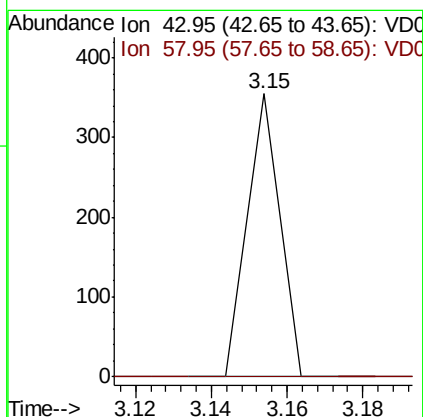
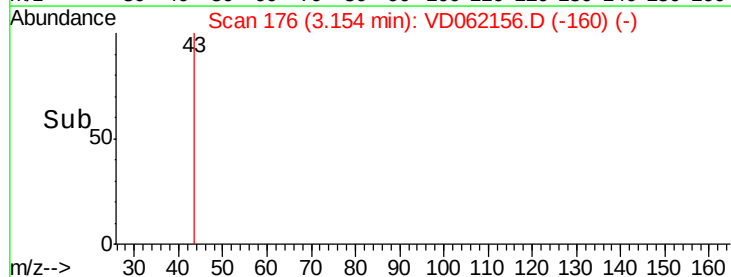
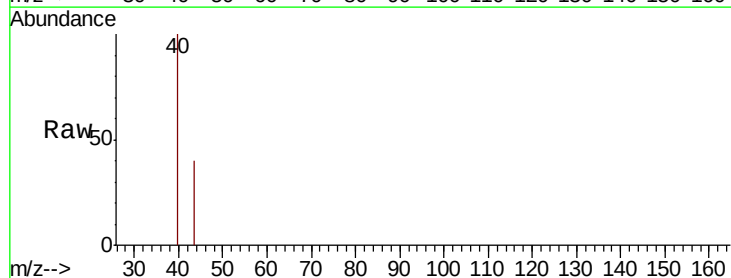
Instrument :
MSVOA_D
ClientSampleId :
SP-02-COMP

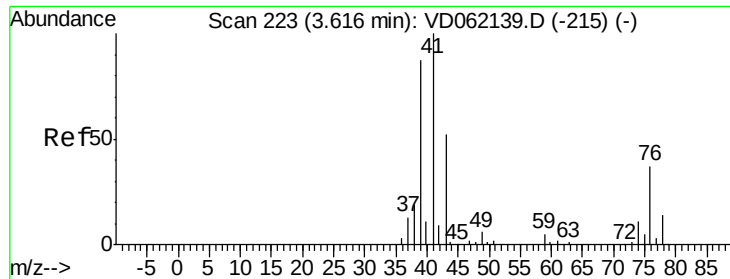
Tot Ion:142 Resp: 367
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 14.765 ug/l
RT: 3.15 min Scan# 176
Delta R.T. -0.04 min
Lab File: VD062156.D
Acq: 8 May 2019 3:21

Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#

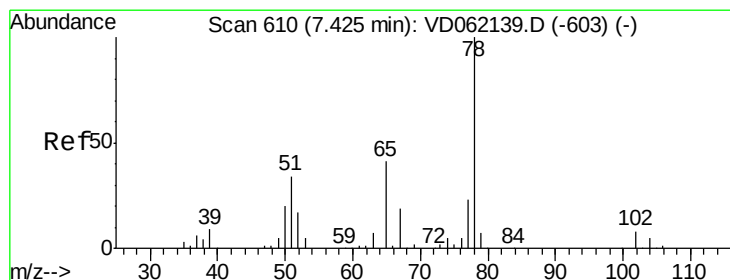
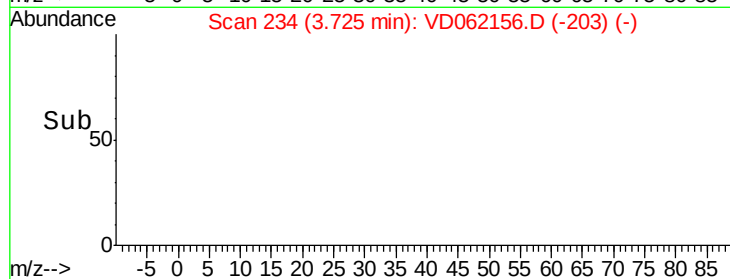
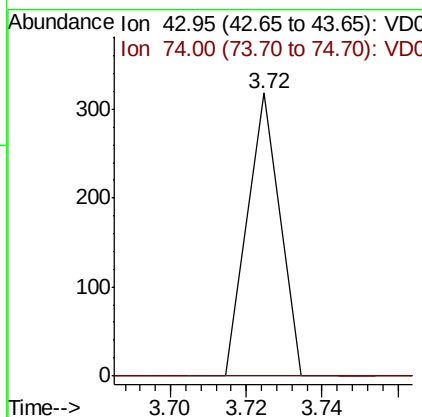
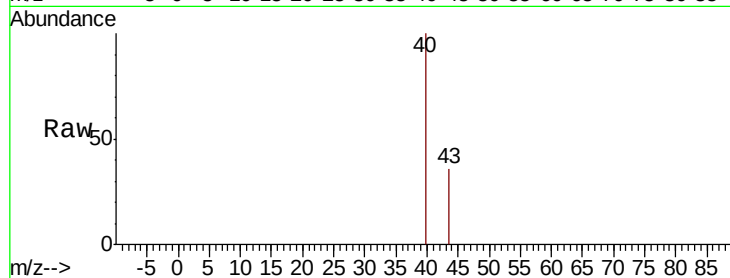




#18
Methyl Acetate
Concen: 7.130 ug/l
RT: 3.72 min Scan# 234
Delta R.T. 0.11 min
Lab File: VD062156.D
Acq: 8 May 2019 3:21

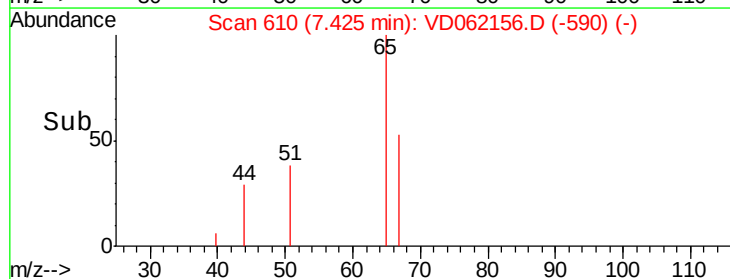
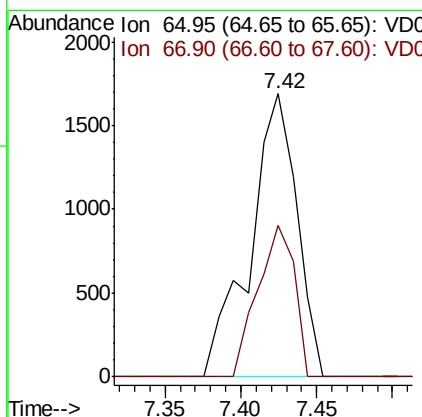
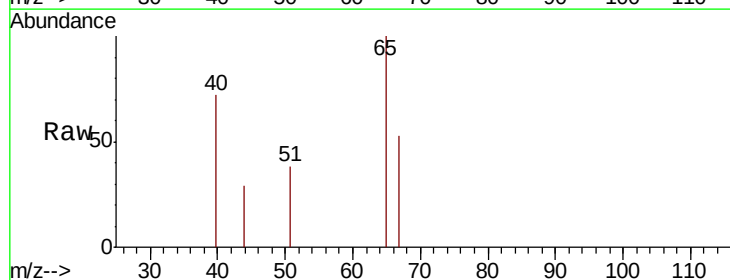
Instrument :
MSVOA_D
ClientSampleId :
SP-02-COMP

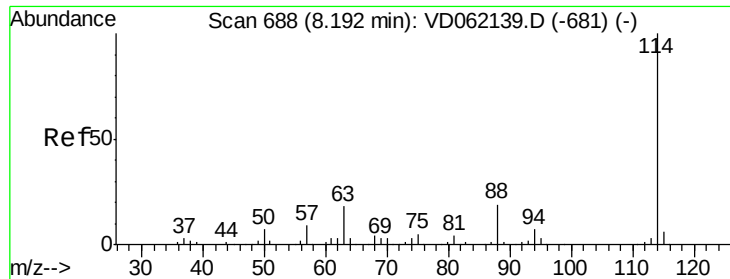
Tot Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#33
1,2-Dichloroethane-d4
Concen: 53.995 ug/l
RT: 7.42 min Scan# 610
Delta R.T. -0.00 min
Lab File: VD062156.D
Acq: 8 May 2019 3:21

Tgt Ion: 65 Resp: 3662
Ion Ratio Lower Upper
65 100
67 53.5 0.0 98.0

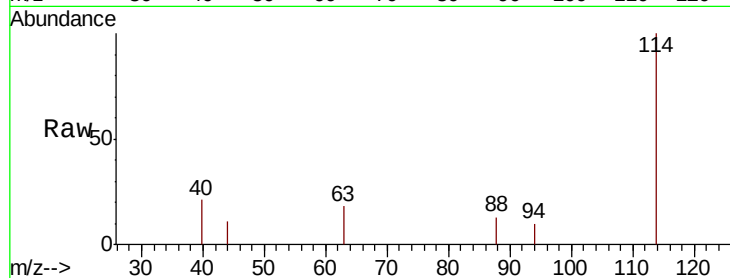




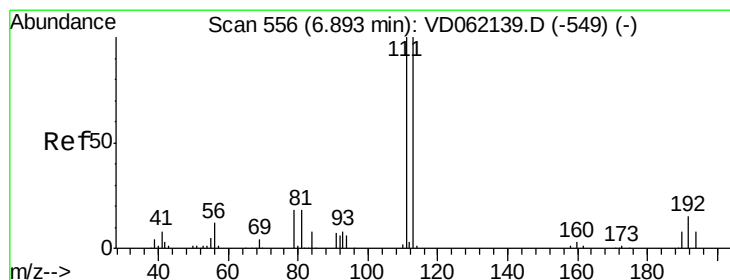
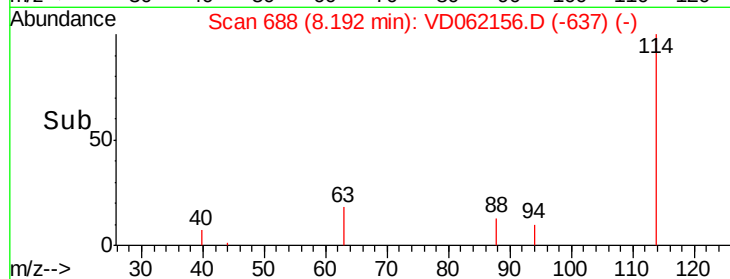
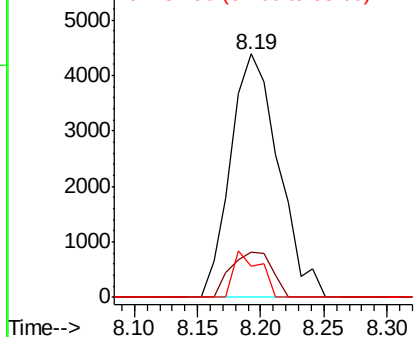
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: VD062156.D
 Acq: 8 May 2019 3:21

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-02-COMP

Tot Ion:114 Resp: 11544
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 32.4
 88 13.0 0.0 33.6

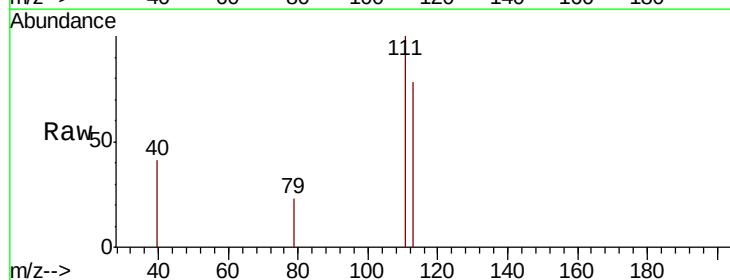


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

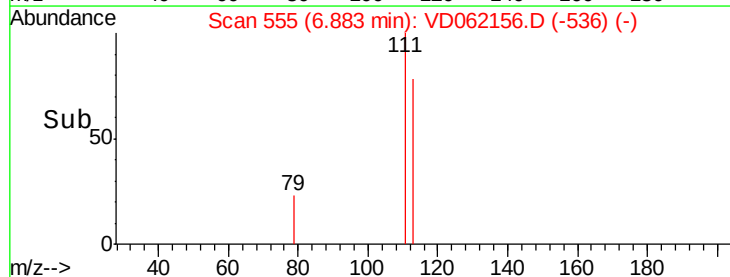
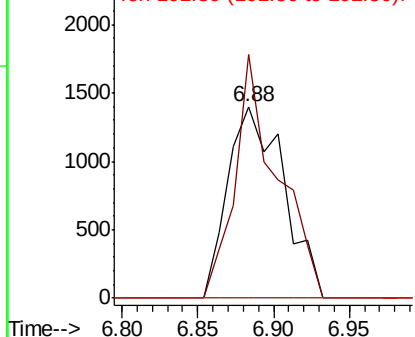


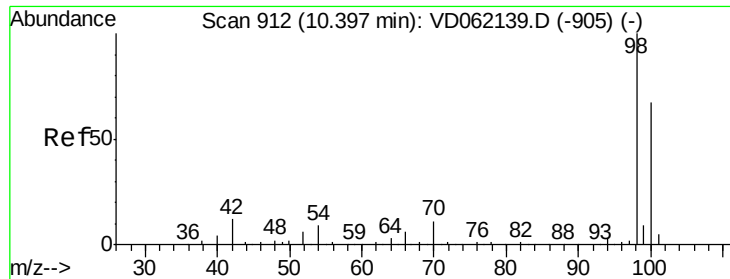
#35
 Dibromofluoromethane
 Concen: 37.491 ug/l
 RT: 6.88 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: VD062156.D
 Acq: 8 May 2019 3:21

Tgt Ion:113 Resp: 3591
 Ion Ratio Lower Upper
 113 100
 111 127.4 78.5 117.7#
 192 0.0 13.0 19.4#



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

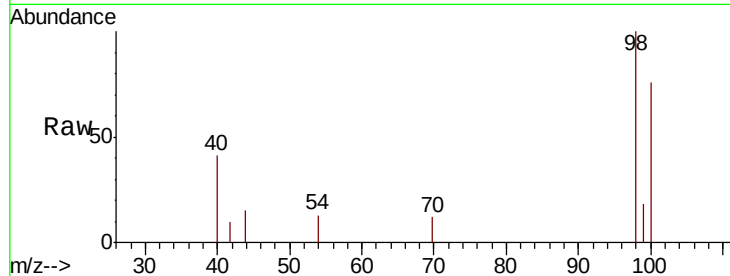




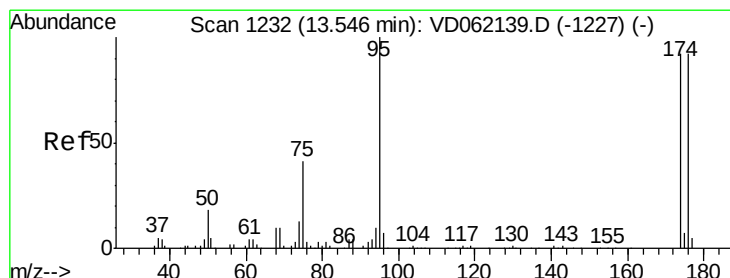
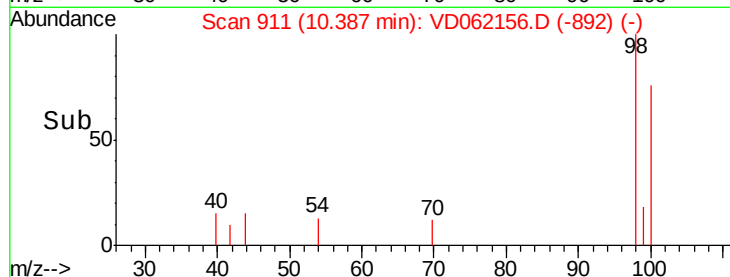
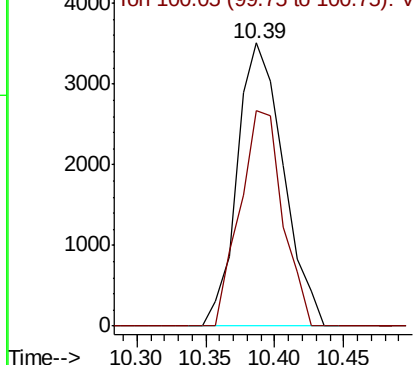
#50
Toluene-d8
Concen: 35.421 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062156.D
Acq: 8 May 2019 3:21

Instrument :
MSVOA_D
ClientSampleId :
SP-02-COMP

Tot Ion: 98 Resp: 8180
Ion Ratio Lower Upper
98 100
100 76.1 53.8 80.8

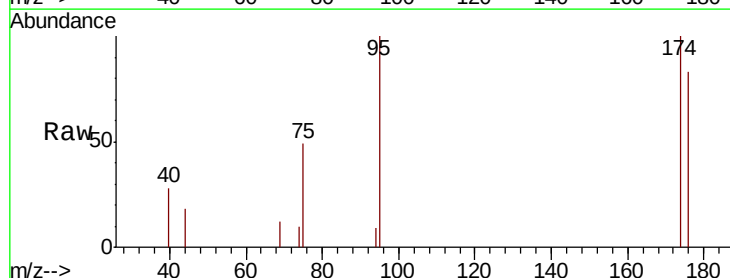


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

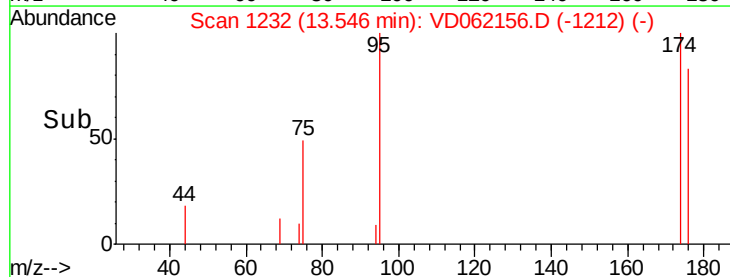
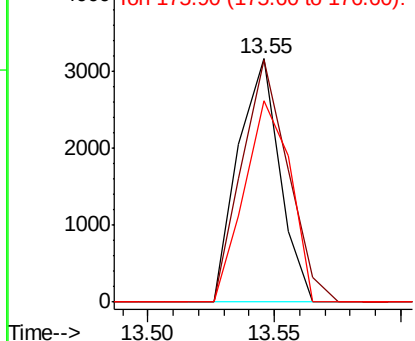


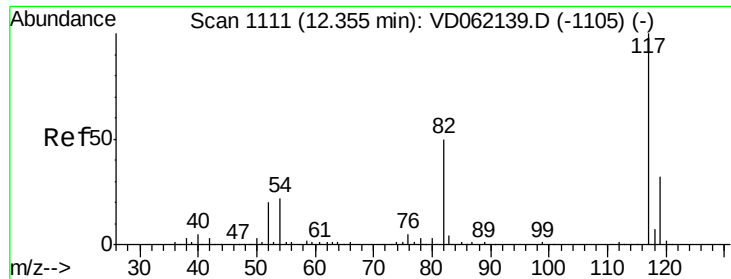
#62
4-Bromofluorobenzene
Concen: 39.068 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062156.D
Acq: 8 May 2019 3:21

Tgt Ion: 95 Resp: 3623
Ion Ratio Lower Upper
95 100
174 99.6 0.0 181.8
176 82.9 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

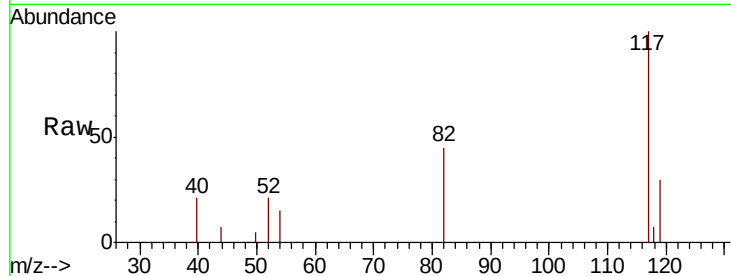




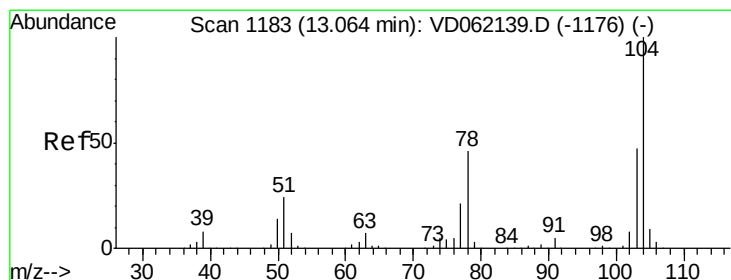
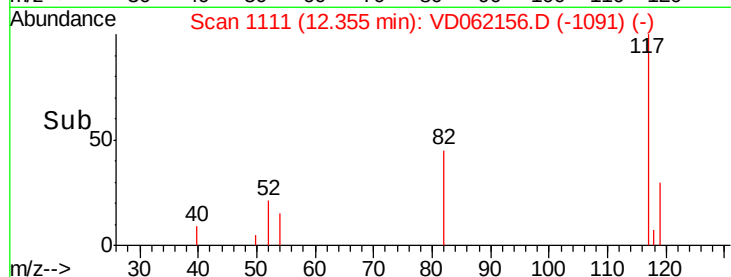
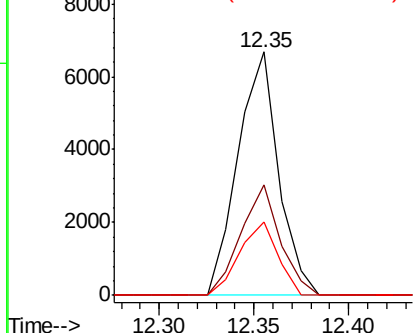
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062156.D
Acq: 8 May 2019 3:21

Instrument :
MSVOA_D
ClientSampleId :
SP-02-COMP

Tot Ion:117 Resp: 9921
Ion Ratio Lower Upper
117 100
82 45.5 36.2 54.2
119 30.4 26.2 39.4

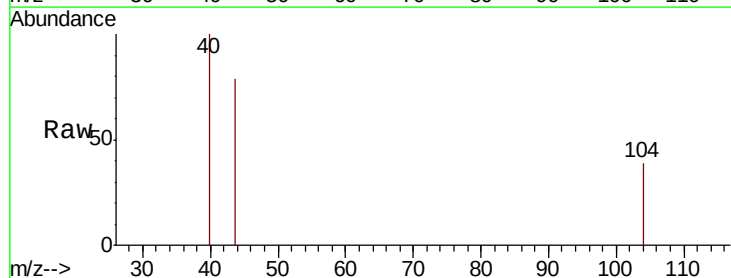


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

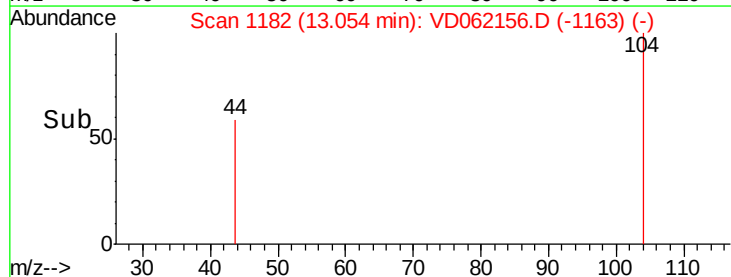
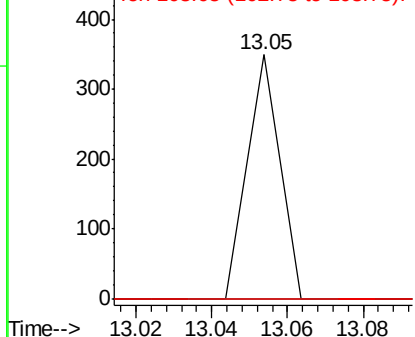


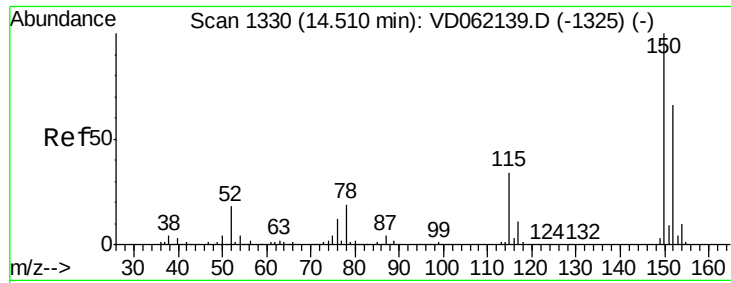
#70
Styrene
Concen: 1.162 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062156.D
Acq: 8 May 2019 3:21

Tgt Ion:104 Resp: 206
Ion Ratio Lower Upper
104 100
78 0.0 35.4 53.2#
103 0.0 37.5 56.3#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062156.D

Acq: 8 May 2019 3:21

Instrument :

MSVOA_D

ClientSampleId :

SP-02-COMP

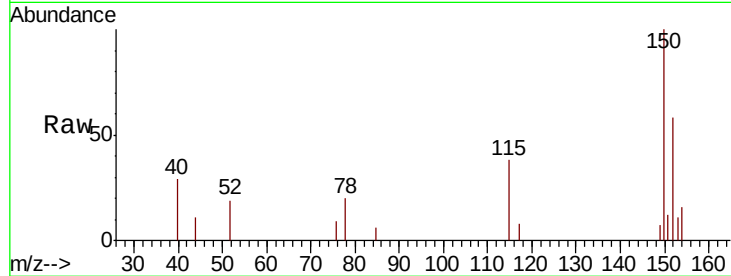
Tot Ion:152 Resp: 3643

Ion Ratio Lower Upper

152 100

115 65.6 30.9 92.7

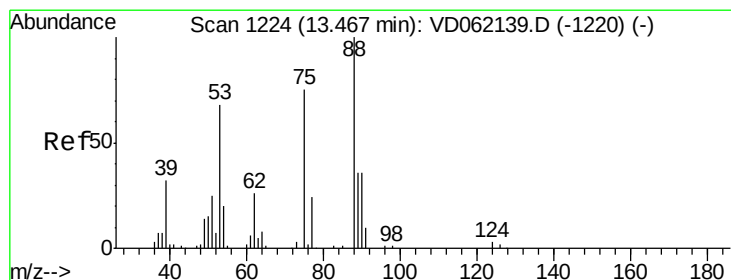
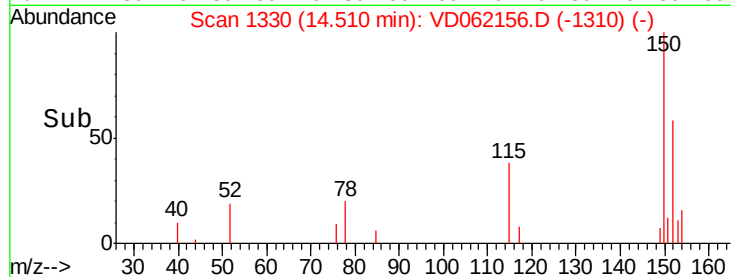
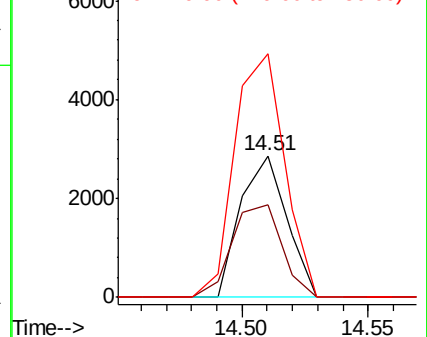
150 171.8 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 138.273 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062156.D

Acq: 8 May 2019 3:21

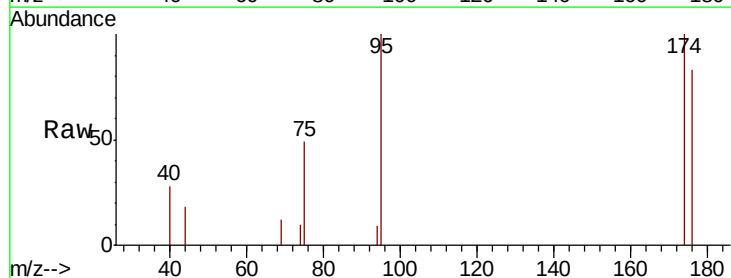
Tgt Ion: 75 Resp: 1690

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

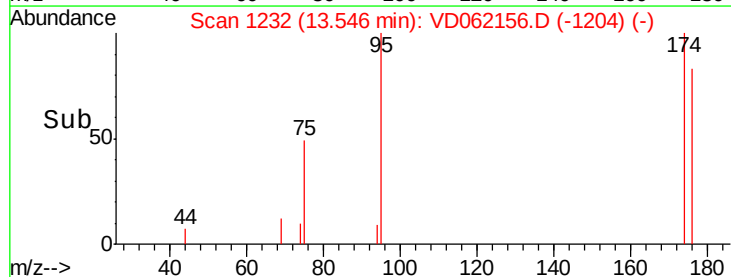
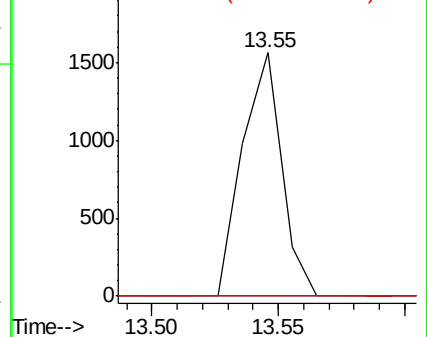
89 0.0 35.0 52.6#

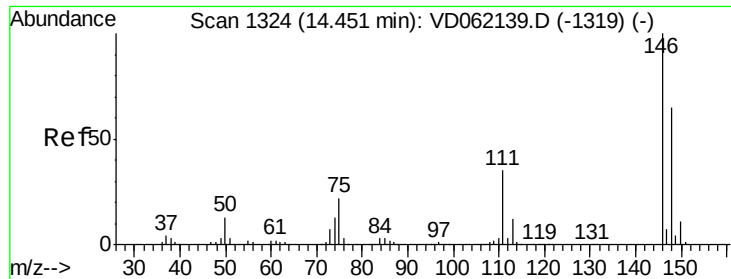


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

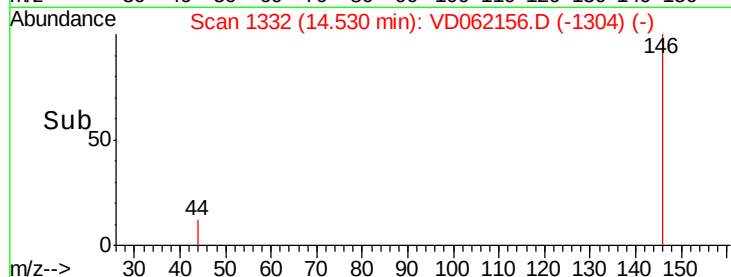
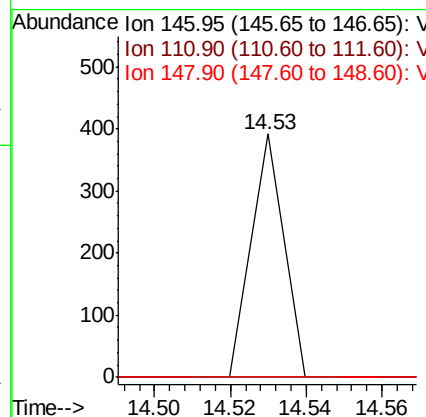
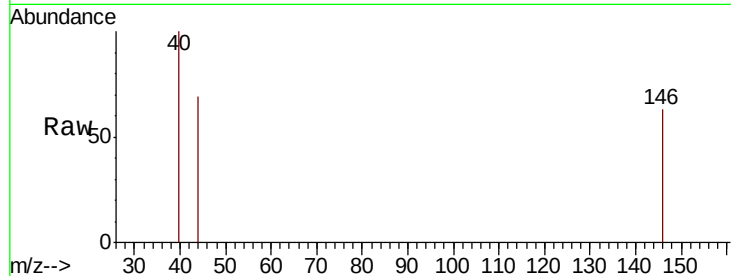




#87
 1,3-Dichlorobenzene
 Concen: 2.069 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.08 min
 Lab File: VD062156.D
 Acq: 8 May 2019 3:21

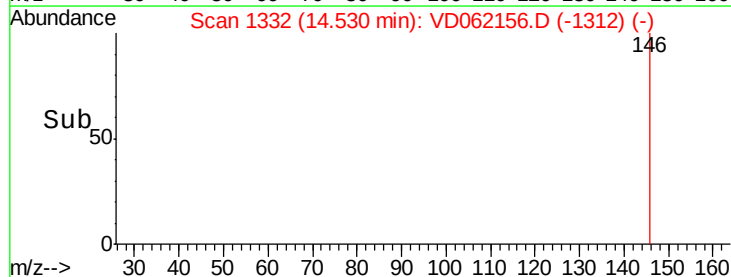
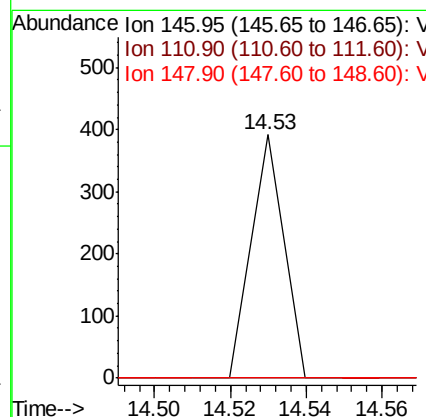
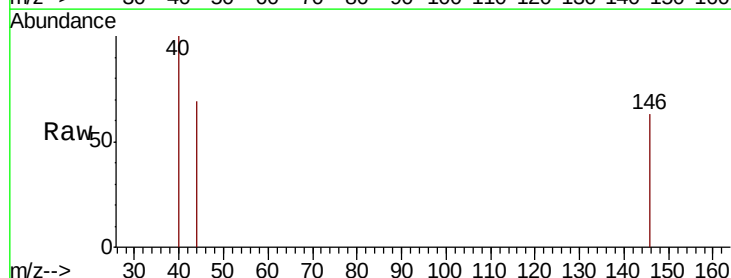
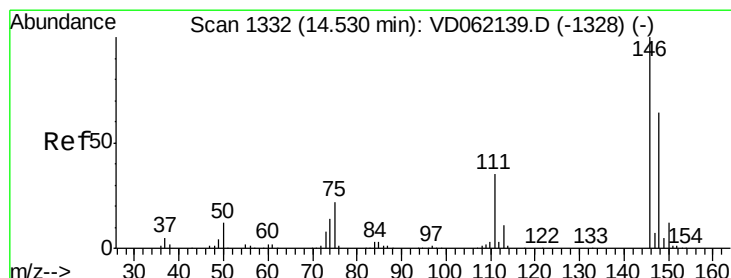
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-02-COMP

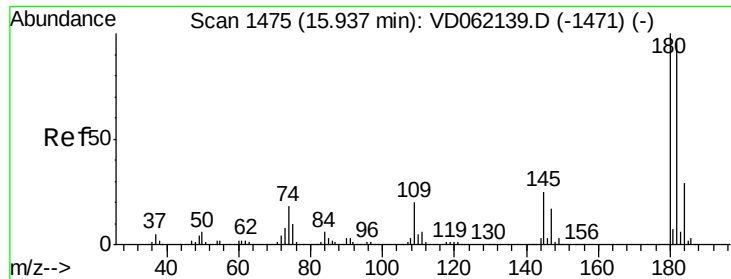
Tot Ion:146 Resp: 231
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.0 60.0#
 148 0.0 31.8 95.4#



#88
 1,4-Dichlorobenzene
 Concen: 2.105 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062156.D
 Acq: 8 May 2019 3:21

Tgt Ion:146 Resp: 231
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.2 60.5#
 148 0.0 32.0 96.2#

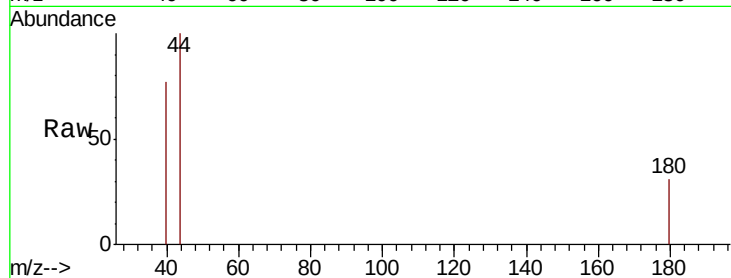




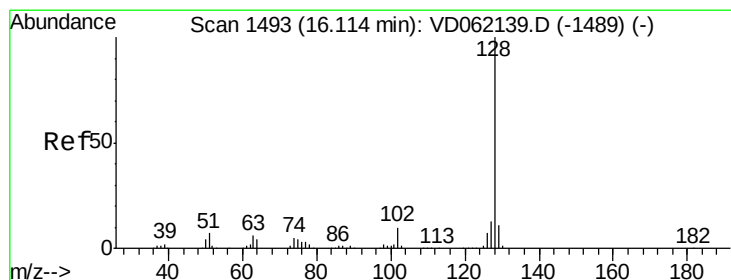
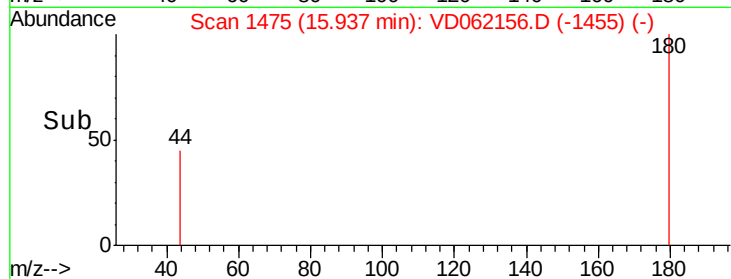
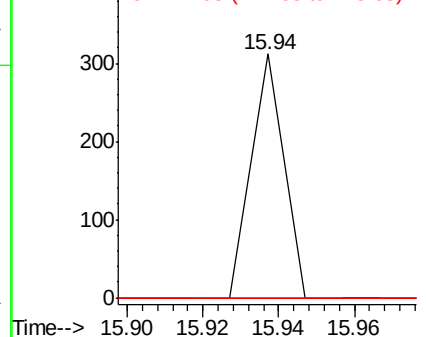
#93
 1,2,4-Trichlorobenzene
 Concen: 2.749 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062156.D
 Acq: 8 May 2019 3:21

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-02-COMP

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.3	147.8#
145	0.0	16.2	48.6#

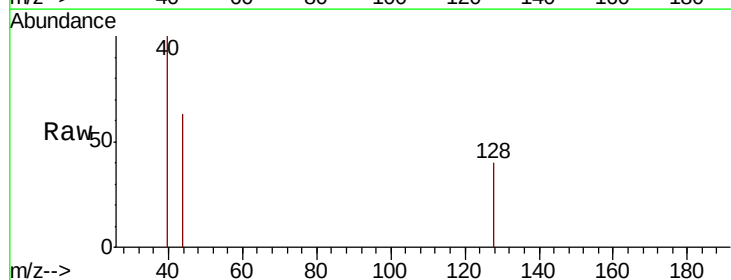


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 2.568 ug/l
 RT: 16.11 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VD062156.D
 Acq: 8 May 2019 3:21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.8	14.8#
129	0.0	8.8	13.2#



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

