

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062366.D
 Acq On : 15 May 2019 1:42
 Operator : FY/SY
 Sample : K2756-12RE
 Misc : 5.92g/5mL/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS007-0206-01RE

Quant Time: May 15 03:31:38 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	7.06	168	39743	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	69736	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	66447	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	30826	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	54196	146.74	ug/l	0.03
Spiked Amount			Recovery	=	293.48%	
35) Dibromofluoromethane	6.94	113	39877	68.92	ug/l	0.04
Spiked Amount			Recovery	=	137.84%	
50) Toluene-d8	10.42	98	53692	38.49	ug/l	0.02
Spiked Amount			Recovery	=	76.98%	
62) 4-Bromofluorobenzene	13.56	95	26680	47.63	ug/l	0.01
Spiked Amount			Recovery	=	95.26%	

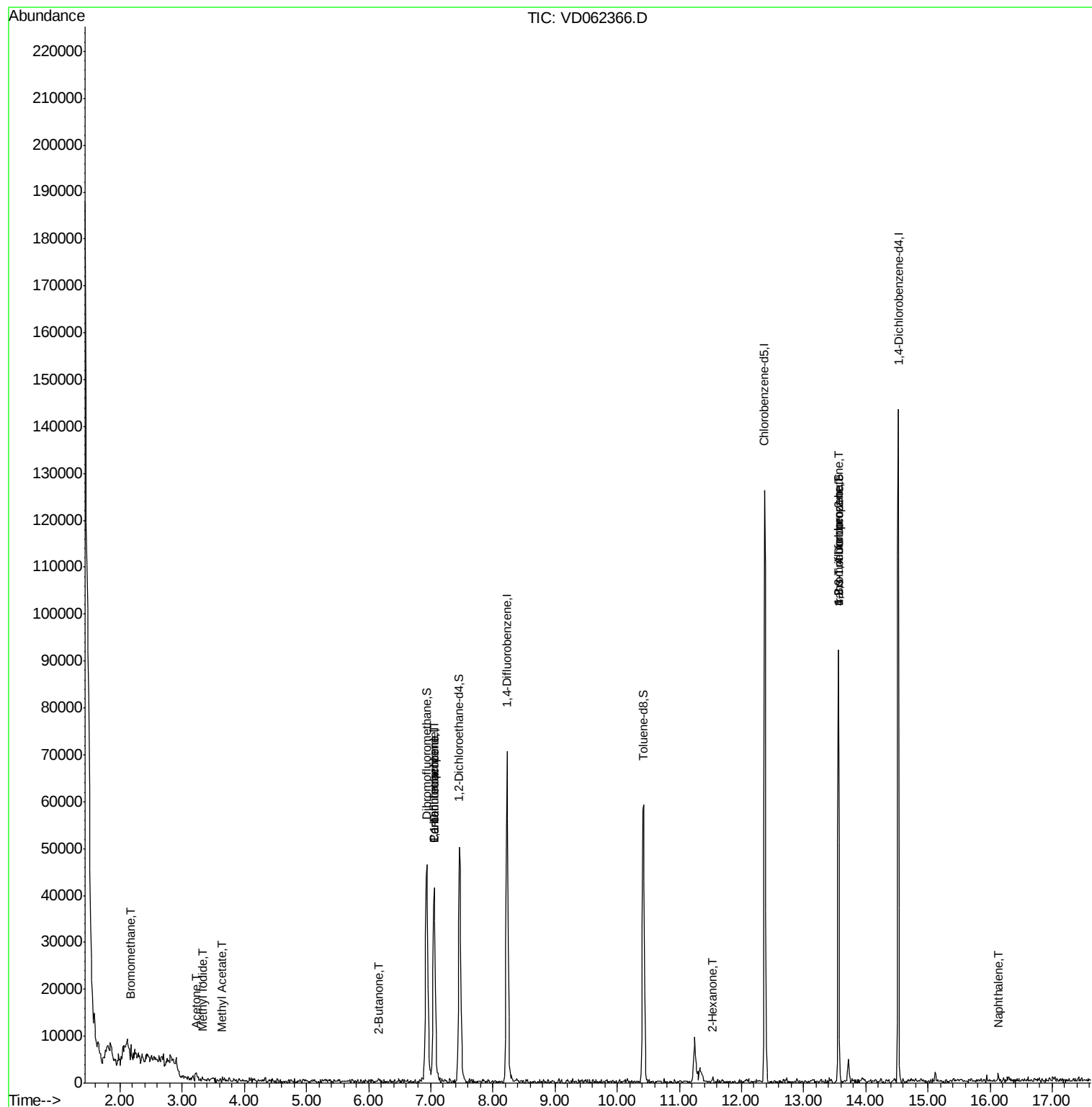
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1026	16.222	ug/l #	12
10) Methyl Iodide	3.33	142	795	1.325	ug/l #	37
16) Acetone	3.22	43	2548	32.897	ug/l #	86
18) Methyl Acetate	3.64	43	217	1.271	ug/l #	53
25) 2-Butanone	6.15	43	242	2.864	ug/l #	56
36) 1,1-Dichloropropene	7.06	75	2256	3.946	ug/l #	40
38) Carbon Tetrachloride	7.05	117	3957	5.000	ug/l #	12
59) 2-Hexanone	11.53	43	191	1.172	ug/l #	27
76) 1,2,3-Trichloropropane	13.56	75	12142	33.144	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	12506	120.924	ug/l #	16
95) Naphthalene	16.13	128	1146	1.449	ug/l #	70

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062366.D

Acq: 15 May 2019 1:42

Instrument :

MSVOA_D

ClientSampleId :

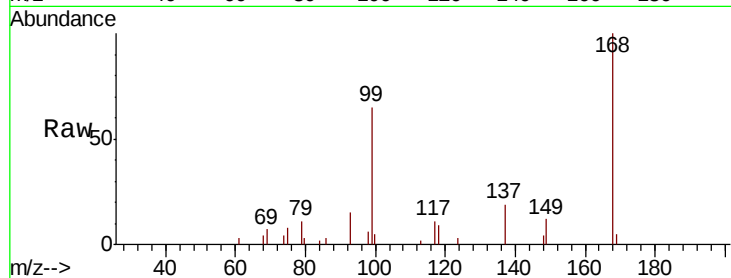
P021-SS007-0206-01RE

Tot Ion:168 Resp: 39743

Ion Ratio Lower Upper

168 100

99 65.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

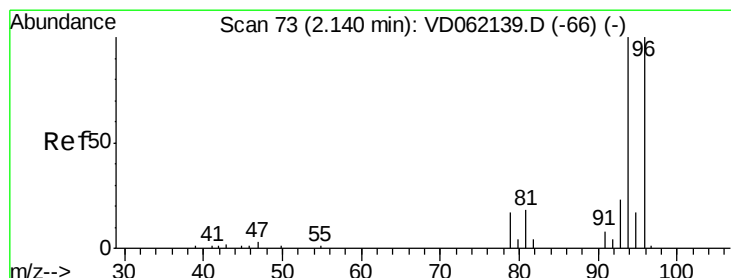
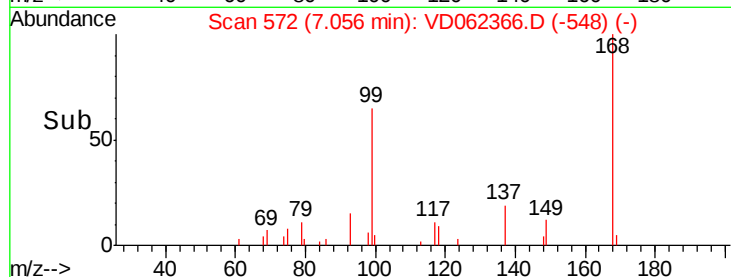
15000

10000

5000

0

Time-->



#5

Bromomethane

Concen: 16.222 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062366.D

Acq: 15 May 2019 1:42

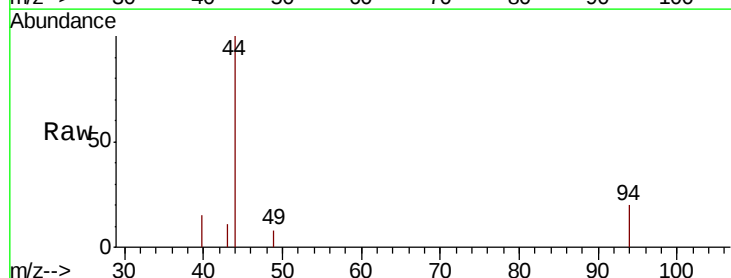
Tgt Ion: 94 Resp: 1026

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

2.18

1000

800

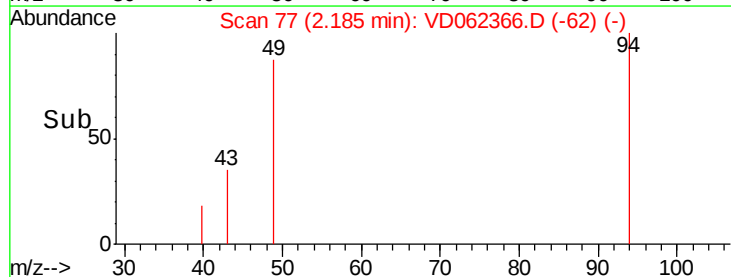
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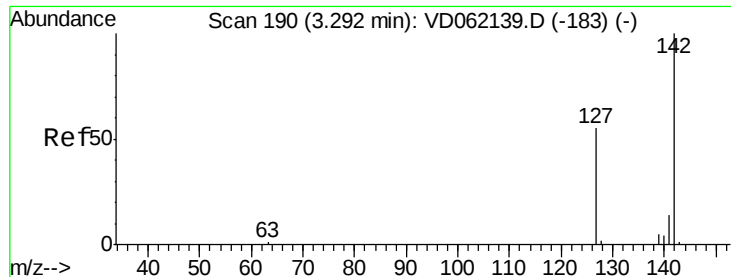
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200

0

Time-->

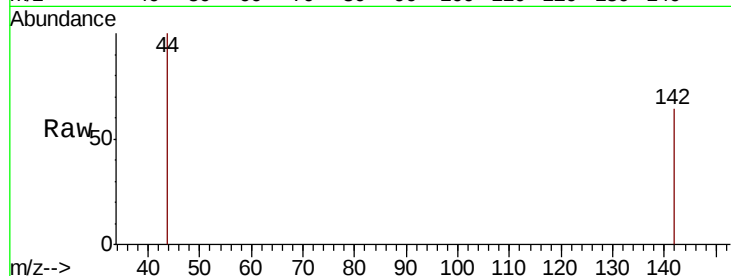




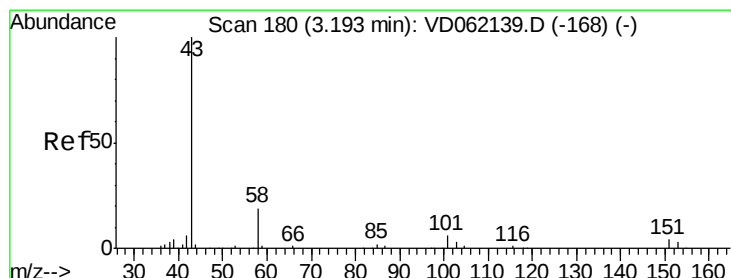
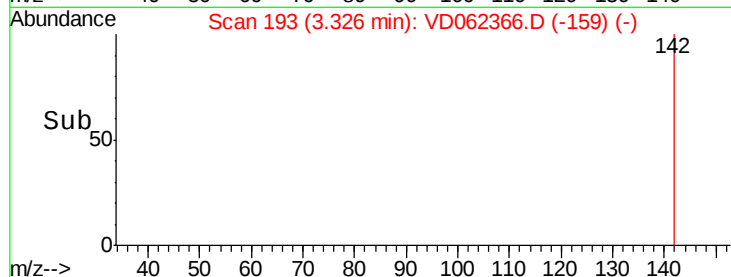
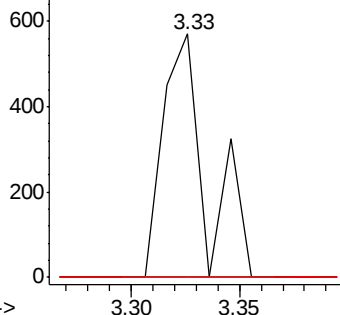
#10
Methyl Iodide
Concen: 1.325 ug/l
RT: 3.33 min Scan# 193
Delta R.T. 0.03 min
Lab File: VD062366.D
Acq: 15 May 2019 1:42

Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0206-01RE

Tot Ion:142 Resp: 795
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

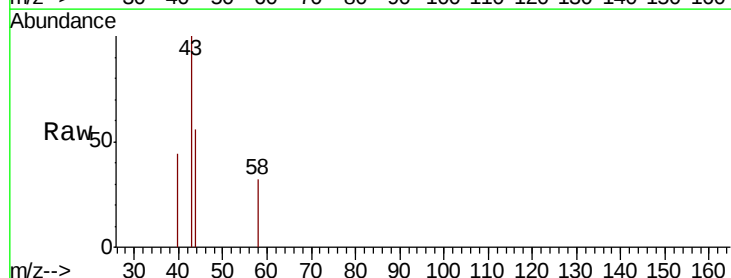


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

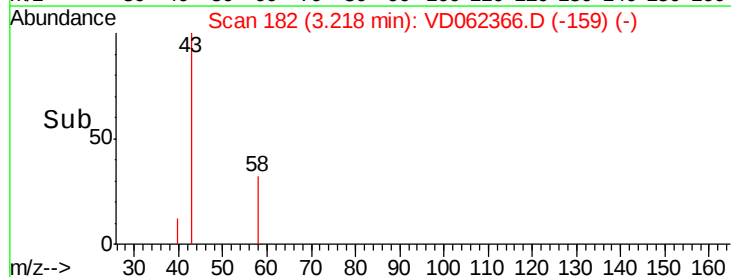
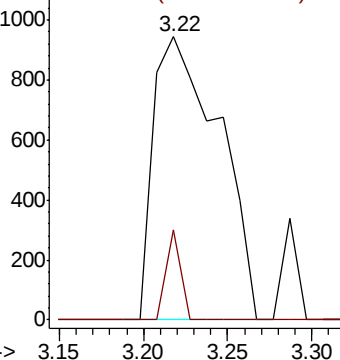


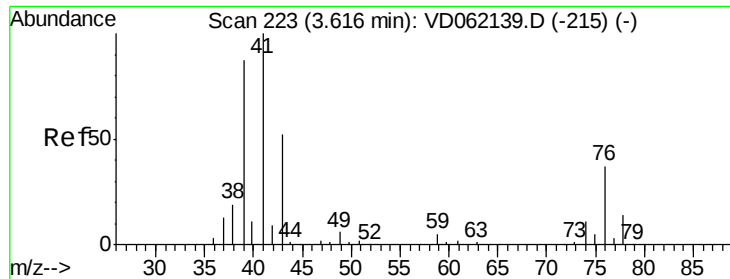
#16
Acetone
Concen: 32.897 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD062366.D
Acq: 15 May 2019 1:42

Tgt Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
58 31.8 19.9 29.9#



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

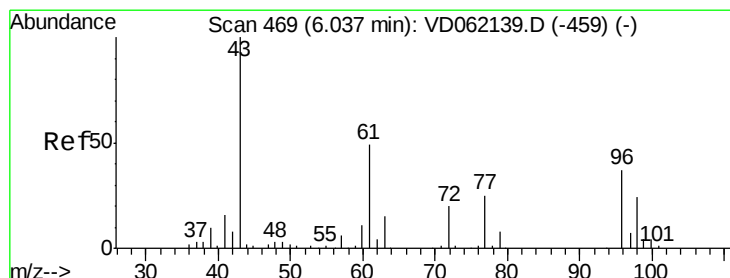
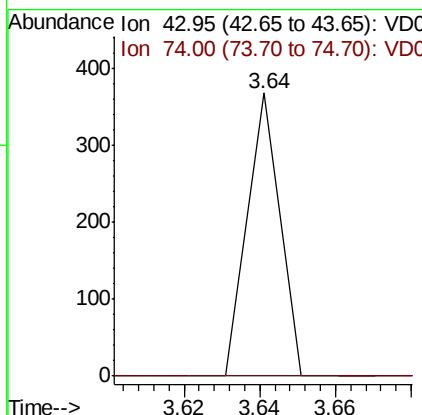
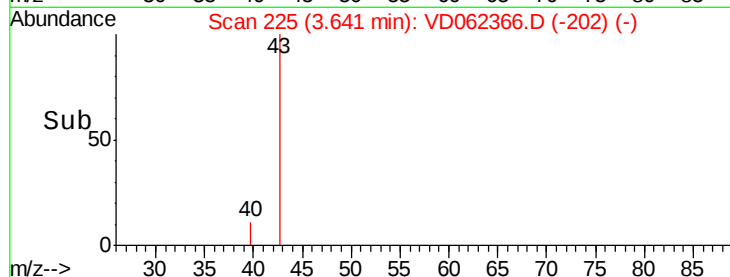
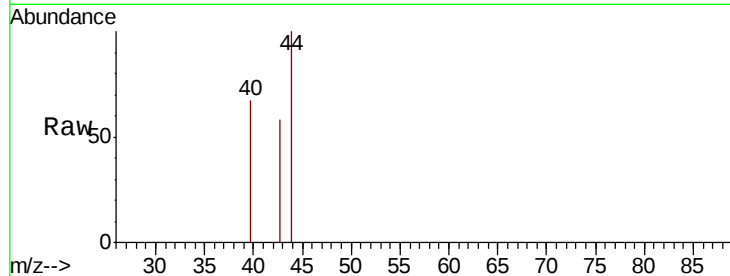




#18
Methyl Acetate
Concen: 1.271 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.02 min
Lab File: VD062366.D
Acq: 15 May 2019 1:42

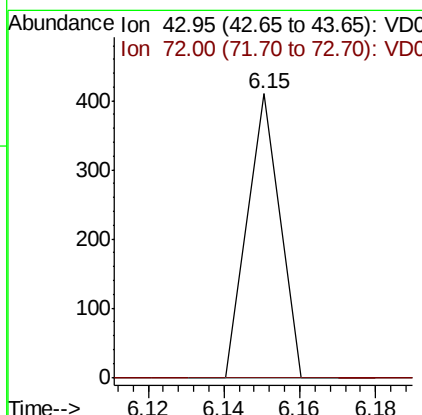
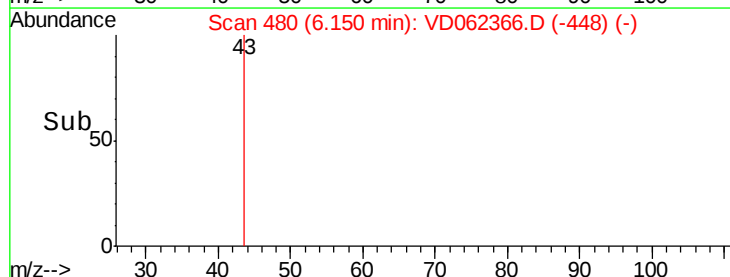
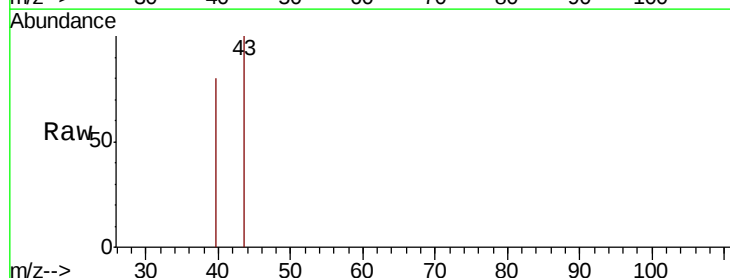
Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0206-01RE

Tot Ion: 43 Resp: 217
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#25
2-Butanone
Concen: 2.864 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.11 min
Lab File: VD062366.D
Acq: 15 May 2019 1:42

Tgt Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#

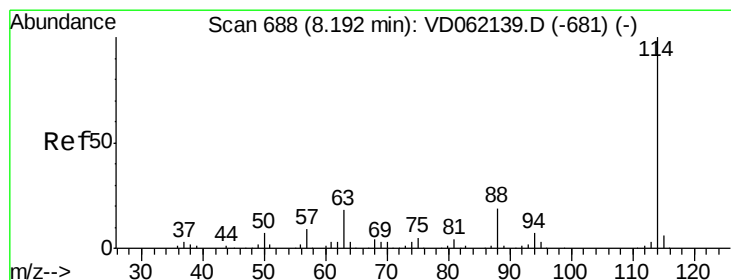
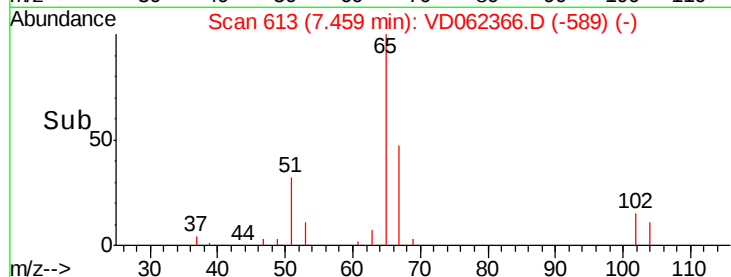
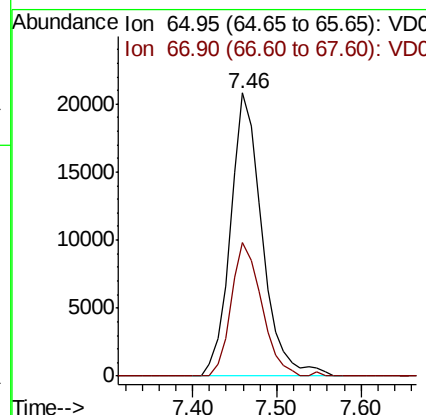
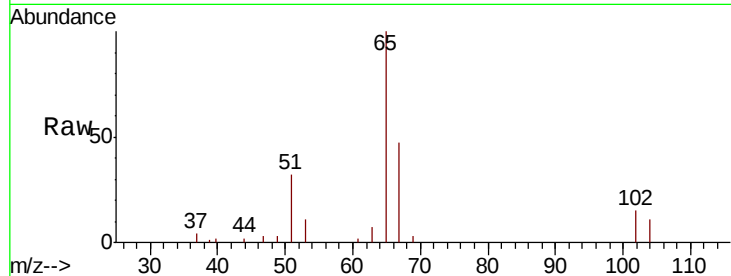




#33
 1,2-Dichloroethane-d4
 Concen: 146.739 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD062366.D
 Acq: 15 May 2019 1:42

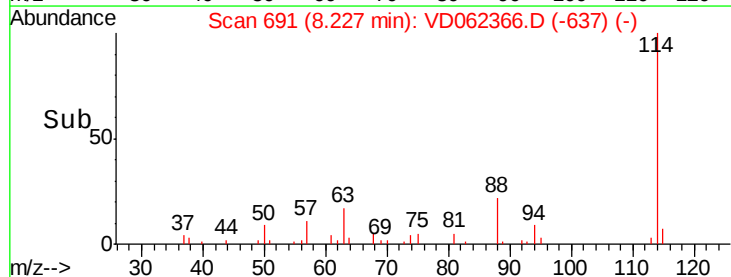
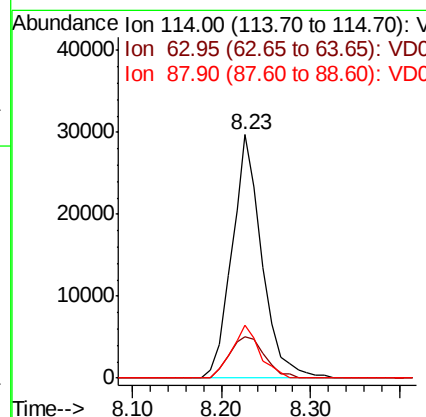
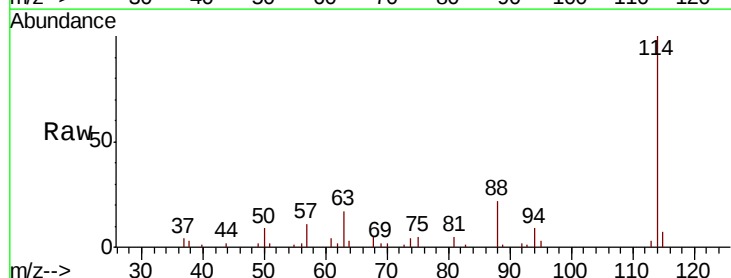
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS007-0206-01RE

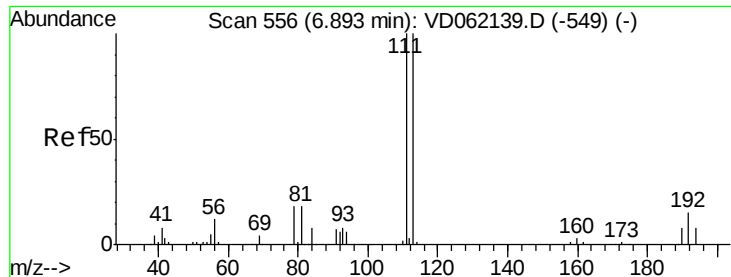
Tot Ion: 65 Resp: 54196
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062366.D
 Acq: 15 May 2019 1:42

Tgt Ion: 114 Resp: 69736
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 32.4
 88 21.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 68.919 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062366.D

Acq: 15 May 2019 1:42

Instrument :

MSVOA_D

ClientSampleId :

P021-SS007-0206-01RE

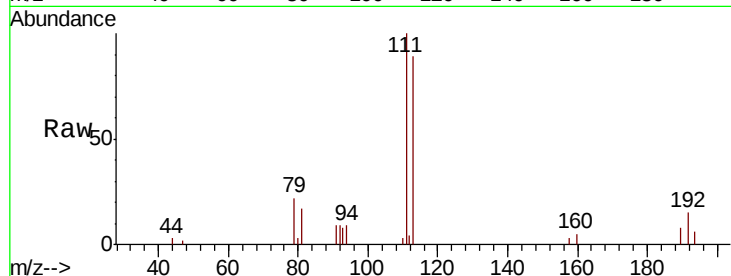
Tot Ion:113 Resp: 39877

Ion Ratio Lower Upper

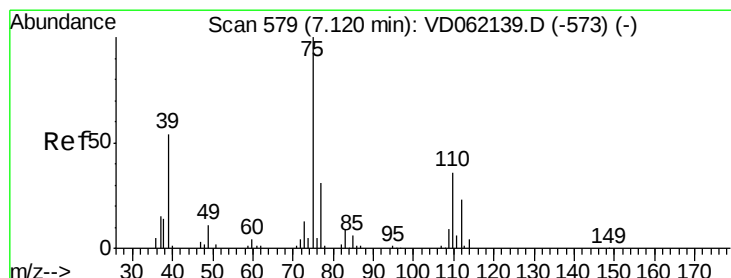
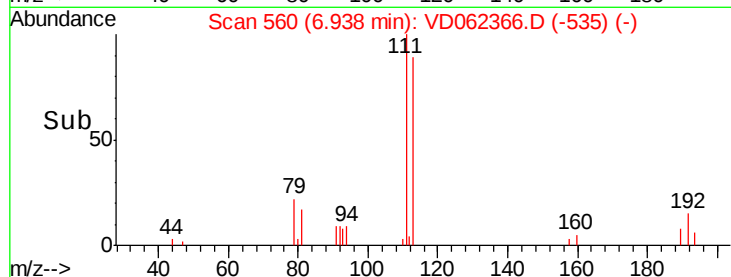
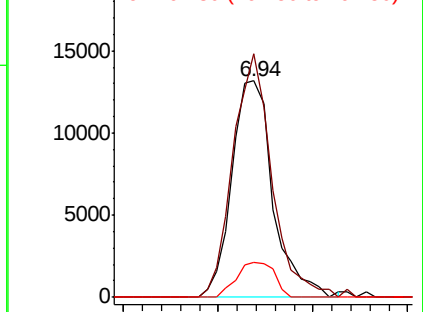
113 100

111 112.5 78.5 117.7

192 16.4 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 3.946 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062366.D

Acq: 15 May 2019 1:42

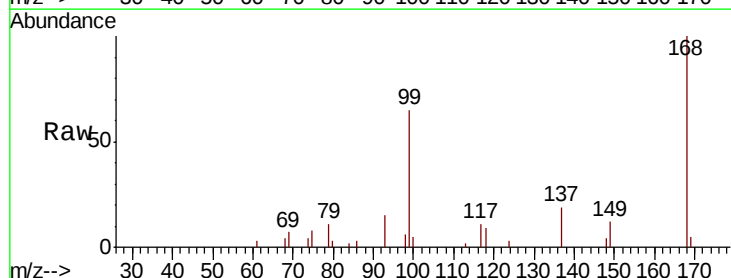
Tgt Ion: 75 Resp: 2256

Ion Ratio Lower Upper

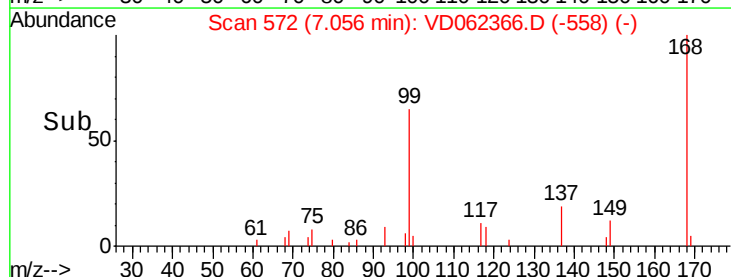
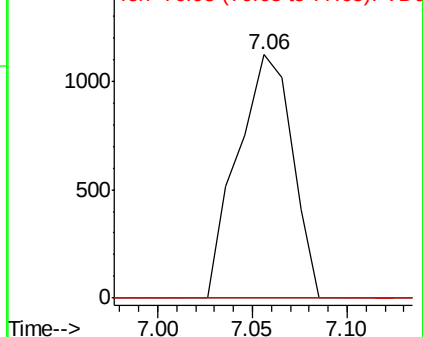
75 100

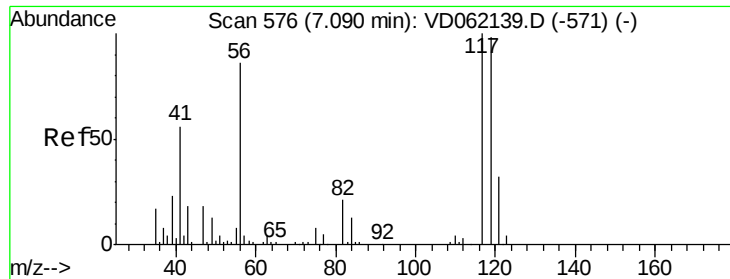
110 0.0 19.1 57.1#

77 0.0 25.6 38.4#



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

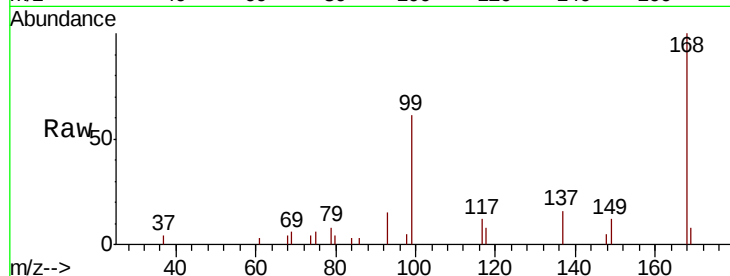




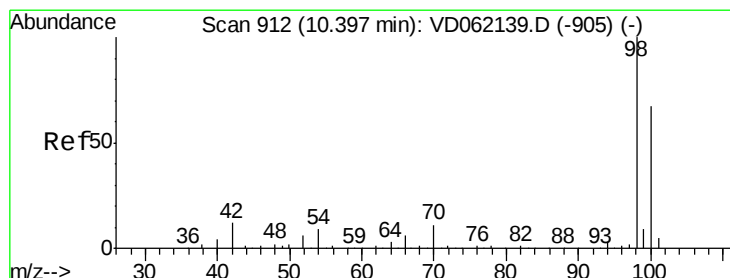
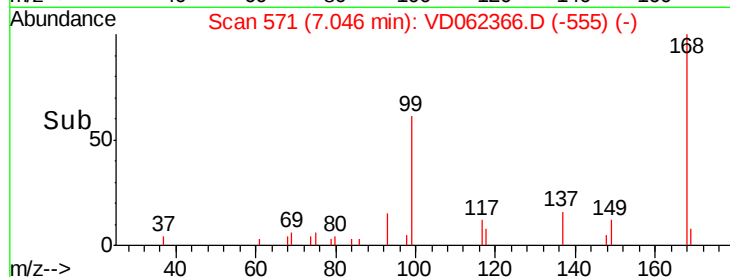
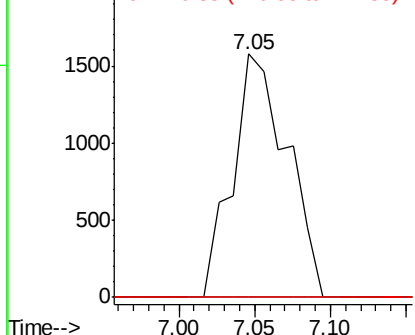
#38
Carbon Tetrachloride
Concen: 5.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD062366.D
Acq: 15 May 2019 1:42

Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0206-01RE

Tot Ion:117 Resp: 3957
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

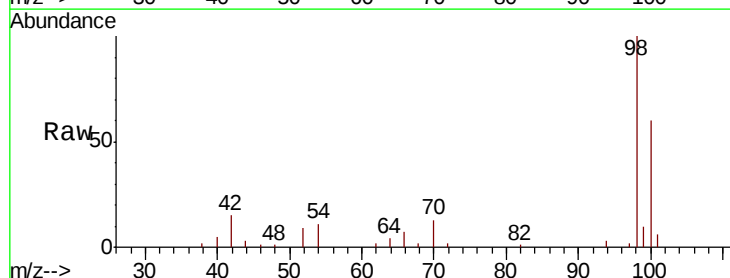


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

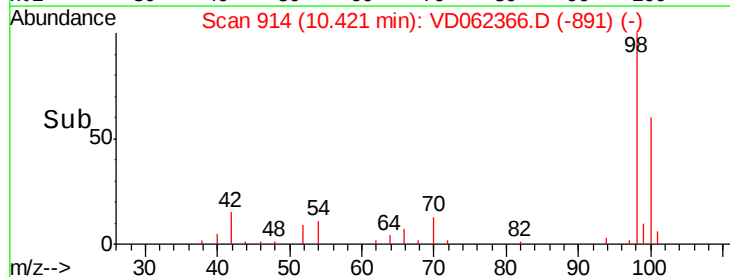
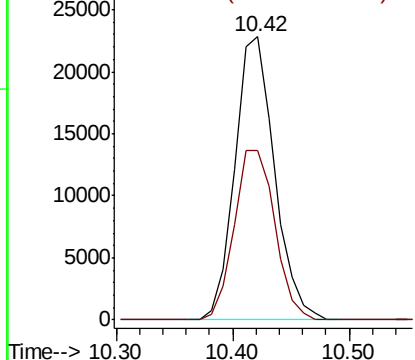


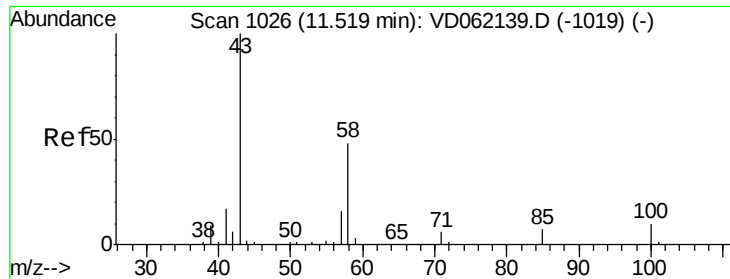
#50
Toluene-d8
Concen: 38.487 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062366.D
Acq: 15 May 2019 1:42

Tgt Ion: 98 Resp: 53692
Ion Ratio Lower Upper
98 100
100 59.9 53.8 80.8



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





#59

2-Hexanone

Concen: 1.172 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. 0.01 min

Lab File: VD062366.D

Acq: 15 May 2019 1:42

Instrument :

MSVOA_D

ClientSampleId :

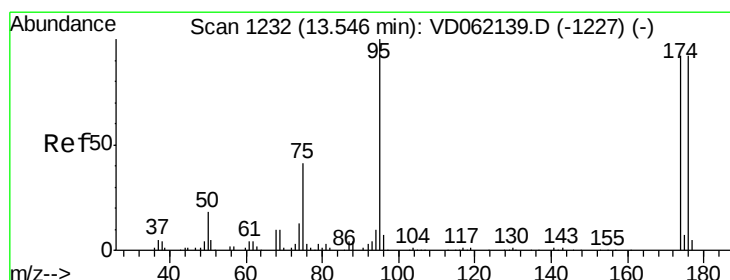
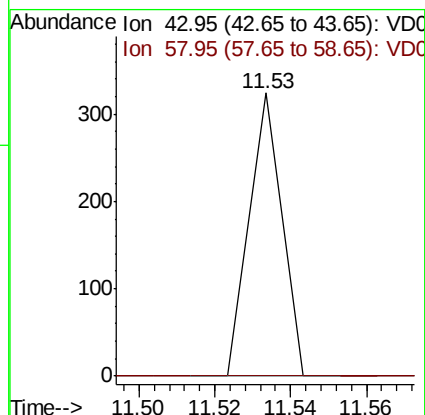
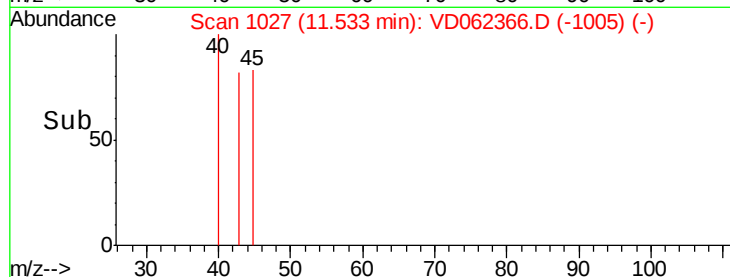
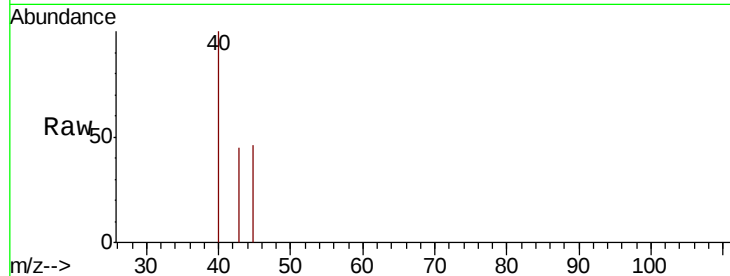
P021-SS007-0206-01RE

Tot Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.4#



#62

4-Bromofluorobenzene

Concen: 47.625 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062366.D

Acq: 15 May 2019 1:42

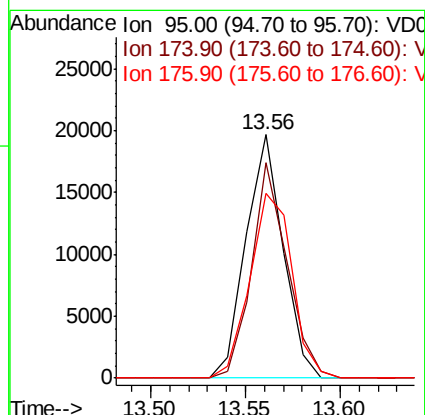
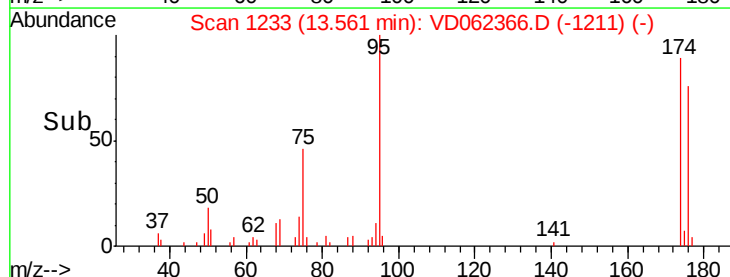
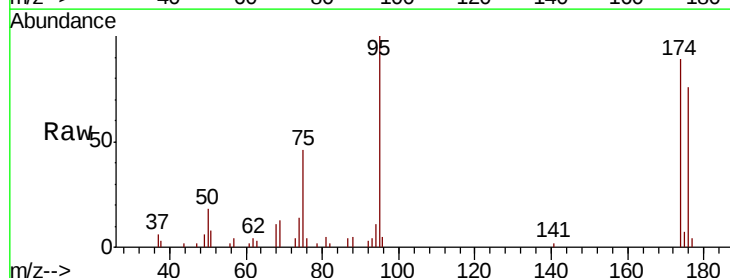
Tgt Ion: 95 Resp: 26680

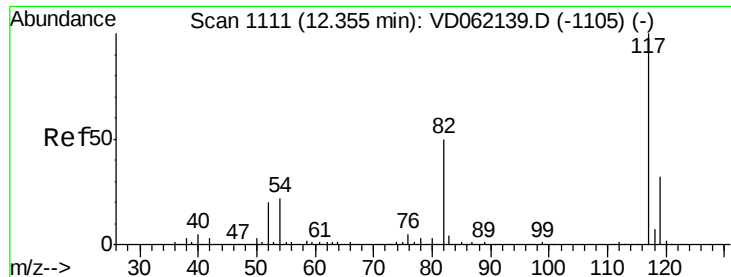
Ion Ratio Lower Upper

95 100

174 88.7 0.0 181.8

176 76.1 0.0 174.4

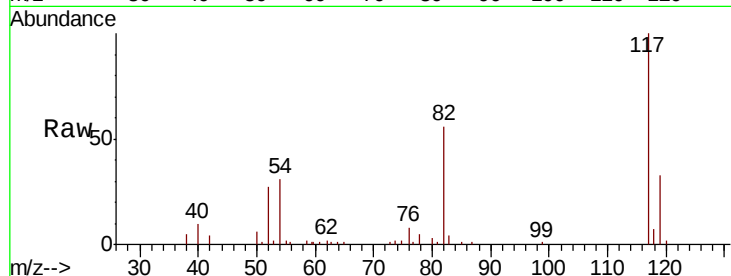




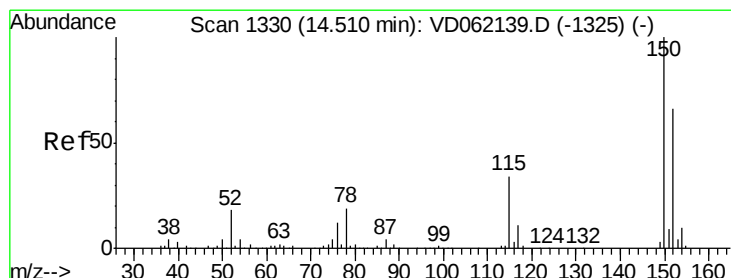
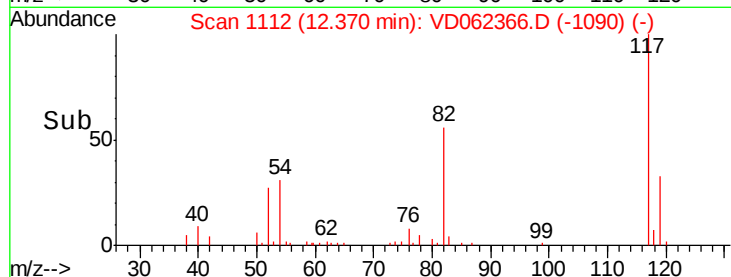
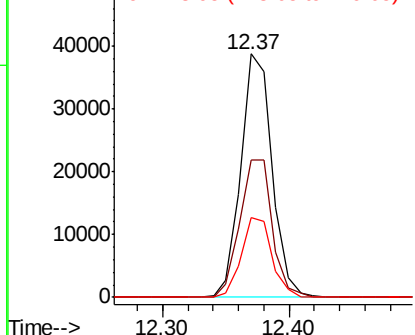
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062366.D
Acq: 15 May 2019 1:42

Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0206-01RE

Tot Ion:117 Resp: 66447
Ion Ratio Lower Upper
117 100
82 56.2 36.2 54.2#
119 32.8 26.2 39.4

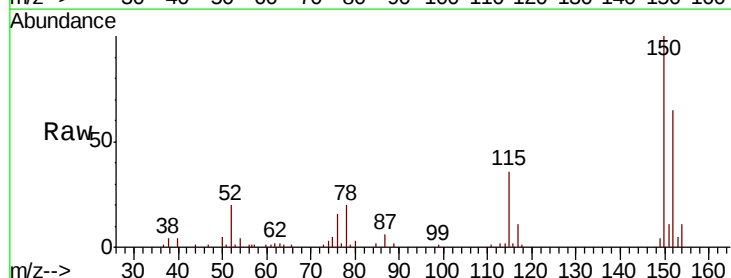


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

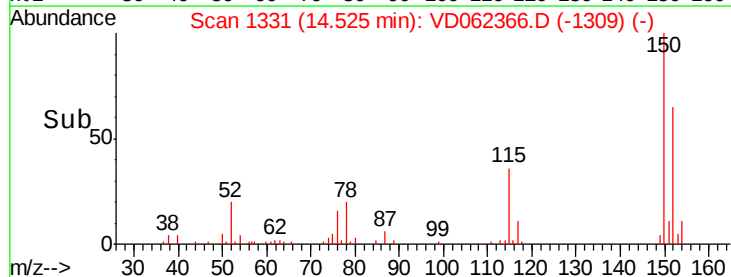
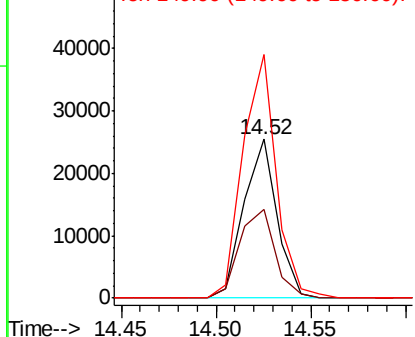


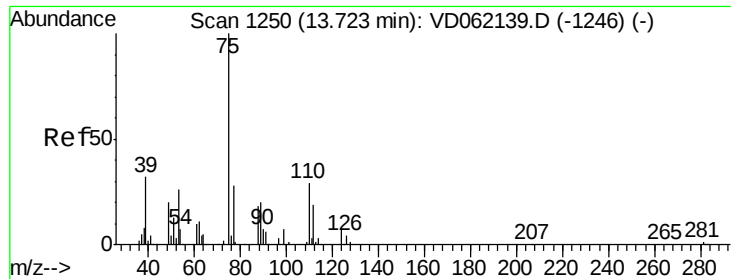
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062366.D
Acq: 15 May 2019 1:42

Tgt Ion:152 Resp: 30826
Ion Ratio Lower Upper
152 100
115 55.6 30.9 92.7
150 153.3 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





#76

1,2,3-Trichloropropane

Concen: 33.144 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062366.D

Acq: 15 May 2019 1:42

Instrument :

MSVOA_D

ClientSampleId :

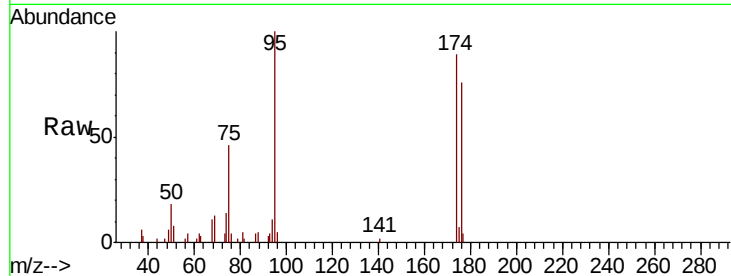
P021-SS007-0206-01RE

Tot Ion: 75 Resp: 12142

Ion Ratio Lower Upper

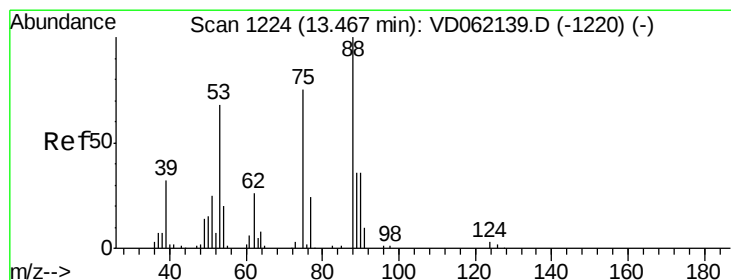
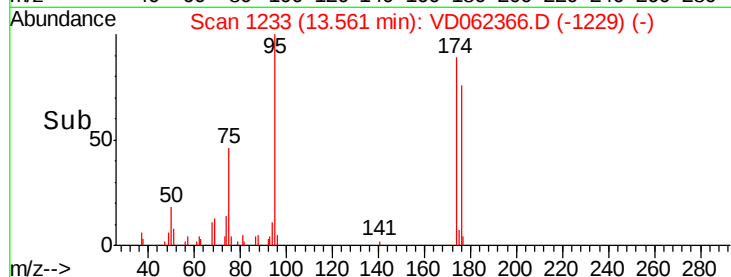
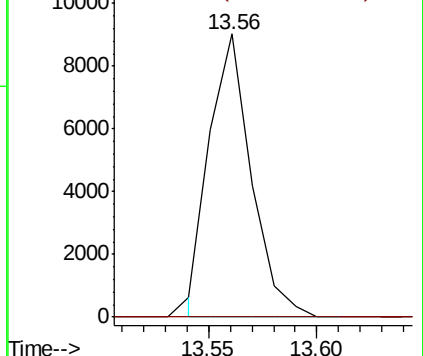
75 100

77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 120.924 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062366.D

Acq: 15 May 2019 1:42

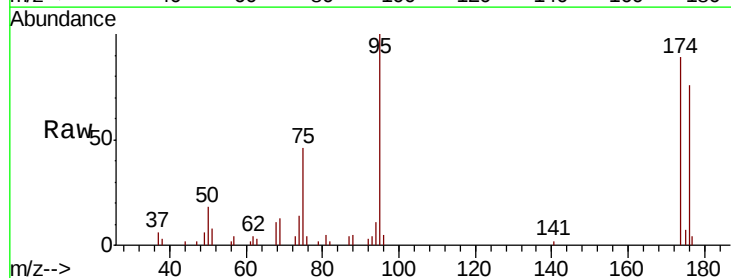
Tgt Ion: 75 Resp: 12506

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

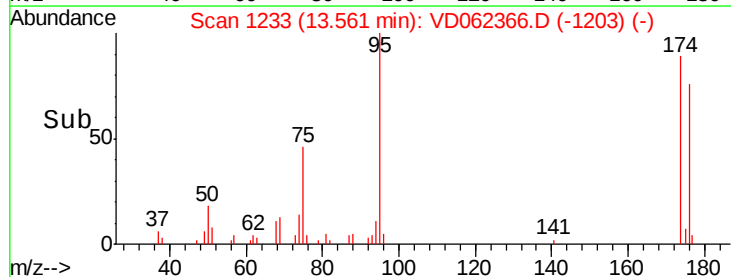
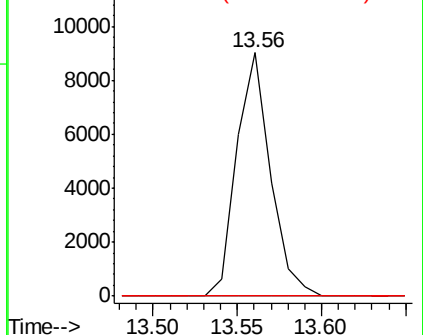
89 0.0 35.0 52.6#

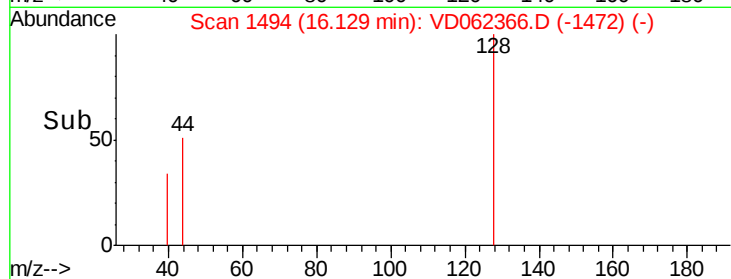
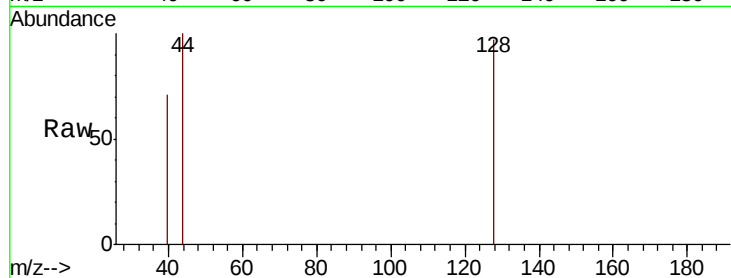
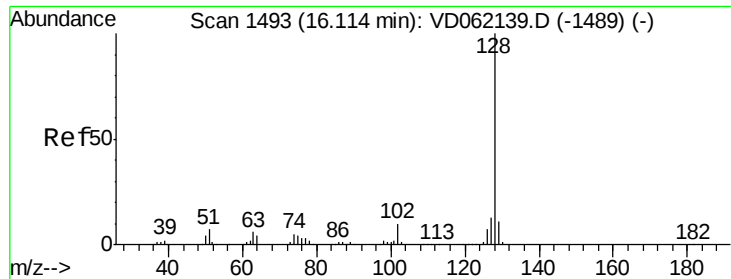


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.449 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062366.D

Acq: 15 May 2019 1:42

Instrument :

MSVOA_D

ClientSampleId :

P021-SS007-0206-01RE

Tot Ion:128 Resp: 1146

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#

