

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062175.D
 Acq On : 8 May 2019 15:43
 Operator : FY/SY
 Sample : K2717-01
 Misc : 5.66g/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS001-0002-01

Quant Time: May 09 01:25:04 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	7.02	168	35255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	49585	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	33484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	11717	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	33463	102.14	ug/l	0.01
Spiked Amount			Recovery	=	204.28%	
35) Dibromofluoromethane	6.89	113	27634	67.17	ug/l	0.00
Spiked Amount			Recovery	=	134.34%	
50) Toluene-d8	10.39	98	48255	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	13.55	95	14570	36.58	ug/l	0.00
Spiked Amount			Recovery	=	73.16%	

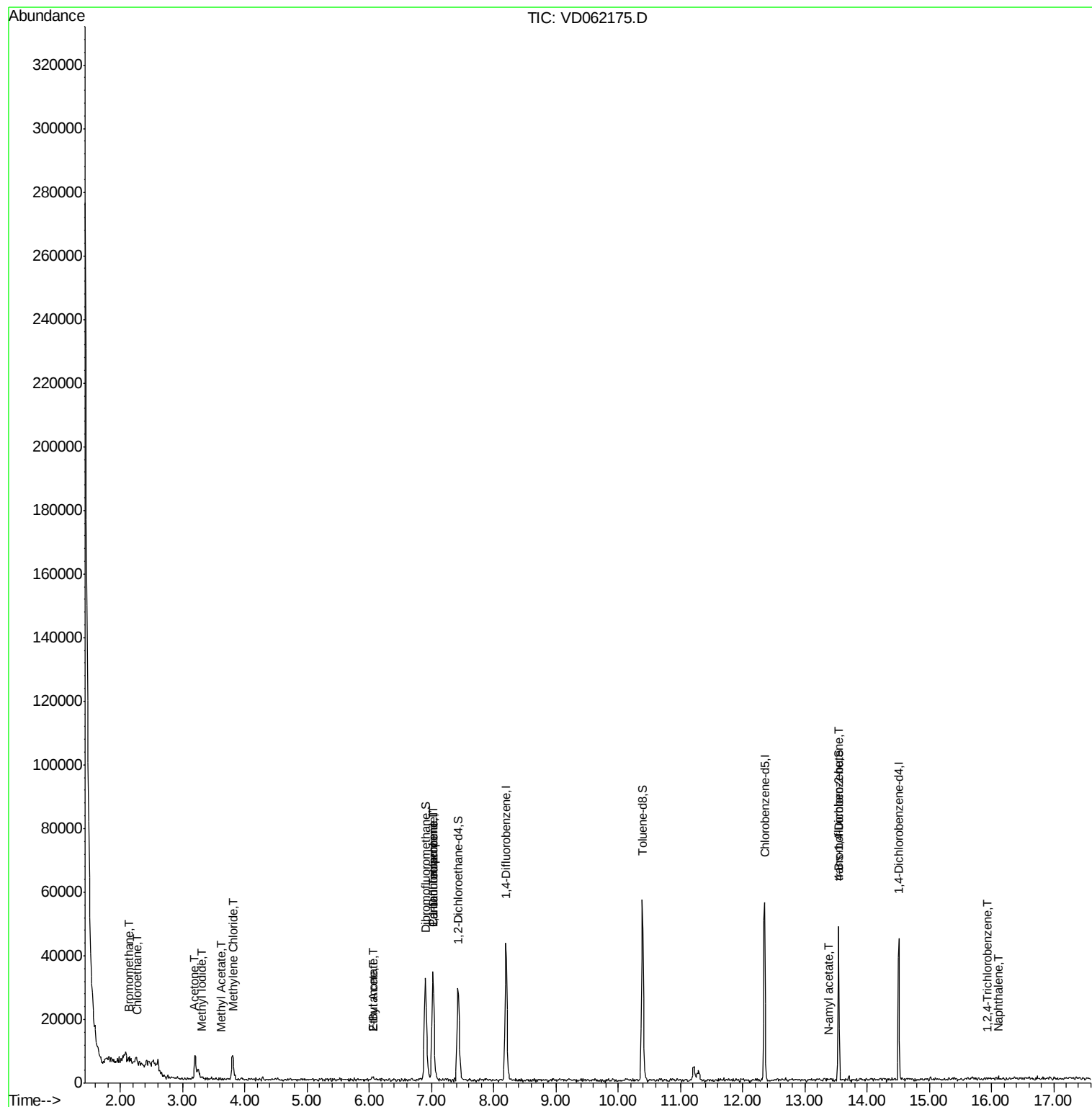
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.12	94	1657	29.533	ug/l #	12
6) Chloroethane	2.28	64	200	1.991	ug/l #	43
10) Methyl Iodide	3.31	142	707	1.328	ug/l #	37
16) Acetone	3.20	43	12875	187.389	ug/l #	77
18) Methyl Acetate	3.62	43	184	1.201	ug/l #	53
20) Methylene Chloride	3.80	84	5397	18.813	ug/l #	71
25) 2-Butanone	6.06	43	2507	33.452	ug/l #	56
36) 1,1-Dichloropropene	7.02	75	1539	3.785	ug/l #	40
37) Ethyl Acetate	6.06	43	2507	14.541	ug/l #	64
38) Carbon Tetrachloride	7.01	117	2924	5.196	ug/l #	12
74) N-amyl acetate	13.39	43	197	1.070	ug/l #	49
81) trans-1,4-Dichloro-2-buten	13.55	75	5422	137.928	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.93	180	248	1.152	ug/l #	11
95) Naphthalene	16.12	128	358	1.191	ug/l #	70

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

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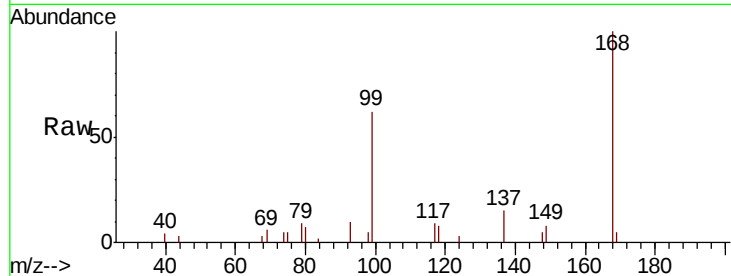




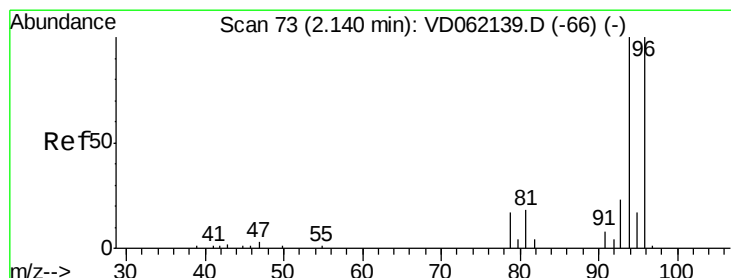
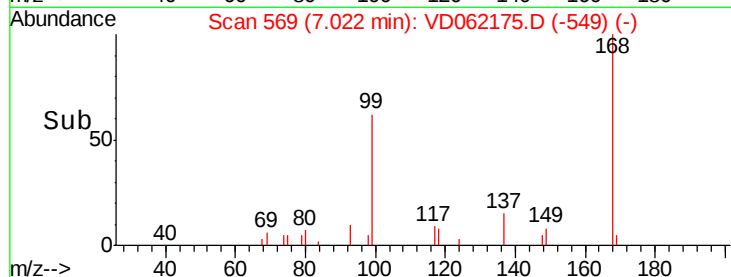
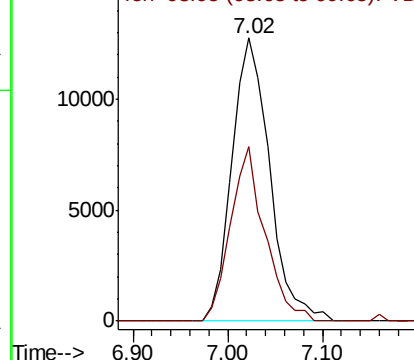
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.00 min
Lab File: VD062175.D
Acq: 8 May 2019 15:43

Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-0002-01

Tot Ion:168 Resp: 35255
Ion Ratio Lower Upper
168 100
99 61.9 46.5 69.7

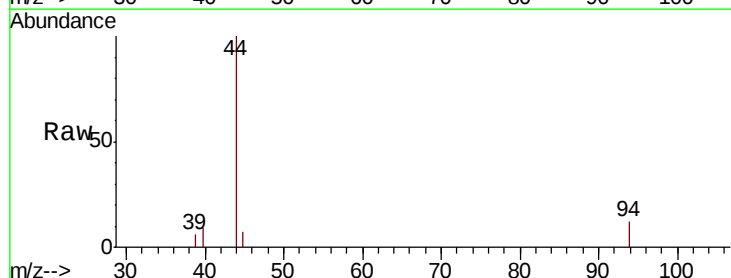


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

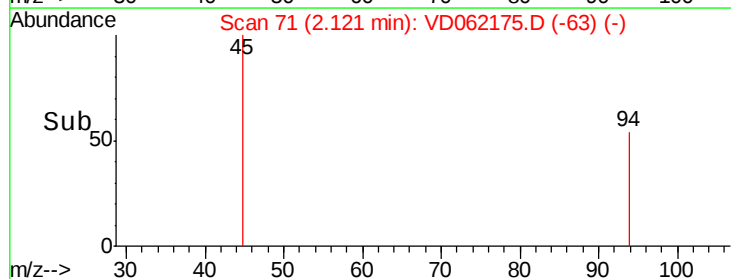
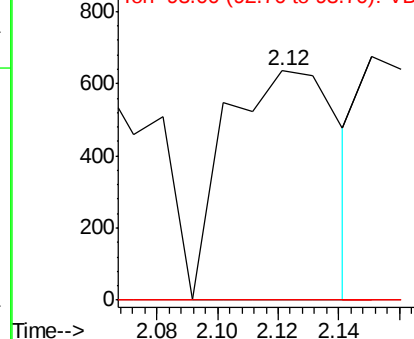


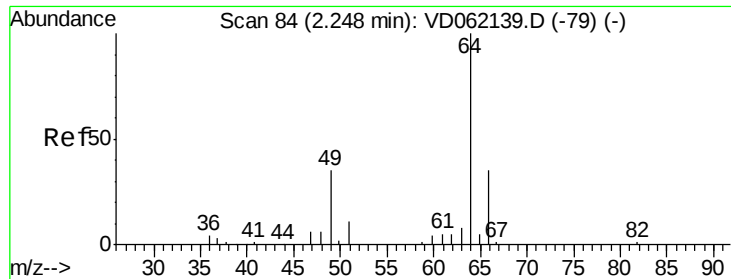
#5
Bromomethane
Concen: 29.533 ug/l
RT: 2.12 min Scan# 71
Delta R.T. -0.02 min
Lab File: VD062175.D
Acq: 8 May 2019 15:43

Tgt Ion: 94 Resp: 1657
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

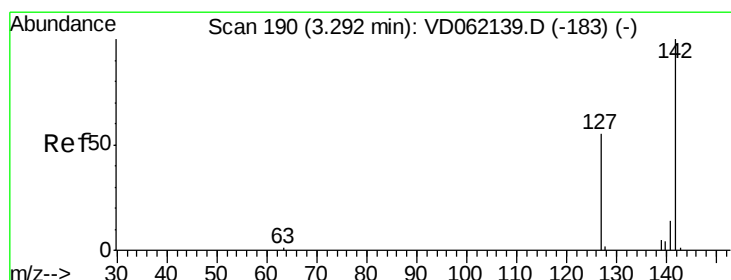
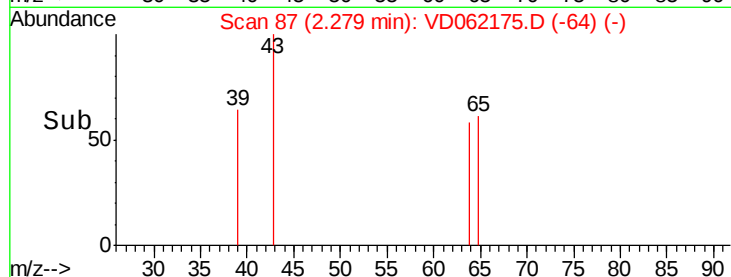
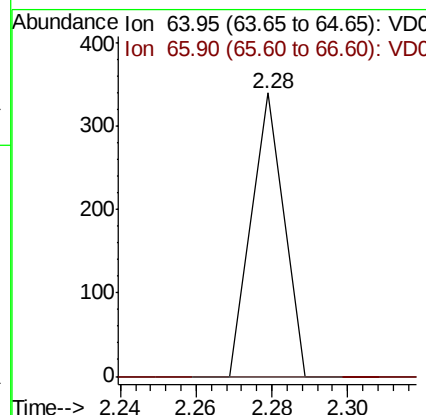
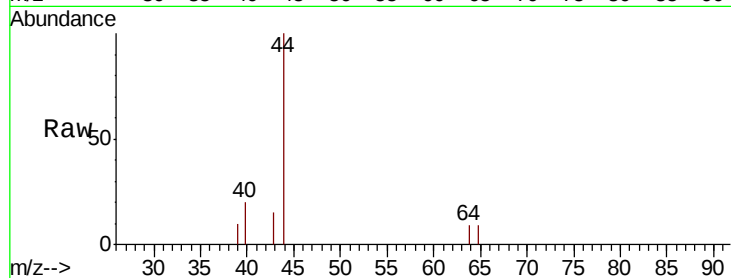




#6
 Chloroethane
 Concen: 1.991 ug/l
 RT: 2.28 min Scan# 87
 Delta R.T. 0.03 min
 Lab File: VD062175.D
 Acq: 8 May 2019 15:43

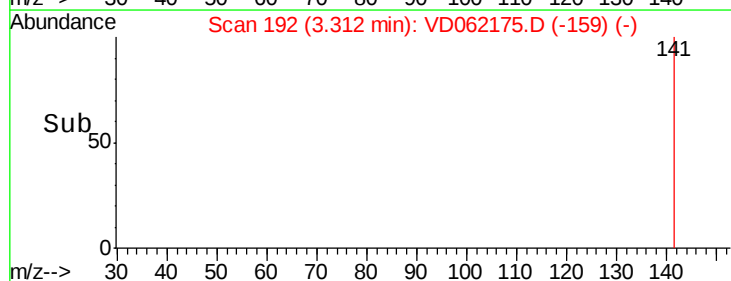
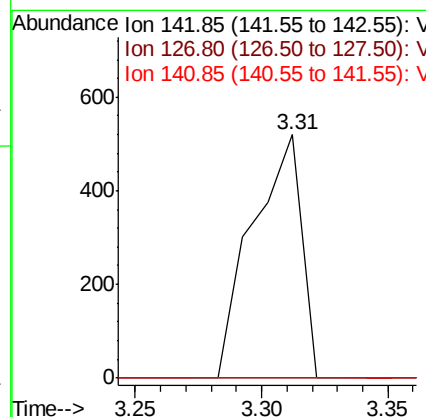
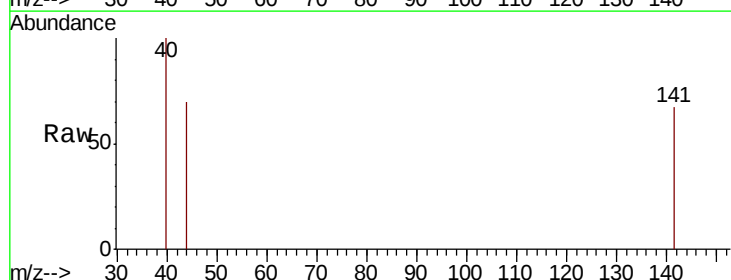
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS001-0002-01

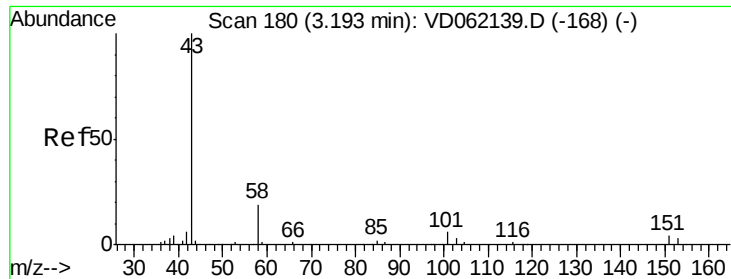
Tot Ion: 64 Resp: 200
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.6 38.4#



#10
 Methyl Iodide
 Concen: 1.328 ug/l
 RT: 3.31 min Scan# 192
 Delta R.T. 0.02 min
 Lab File: VD062175.D
 Acq: 8 May 2019 15:43

Tgt Ion: 142 Resp: 707
 Ion Ratio Lower Upper
 142 100
 127 0.0 38.8 58.2#
 141 0.0 11.4 17.0#





#16

Acetone

Concen: 187.389 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062175.D

Acq: 8 May 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

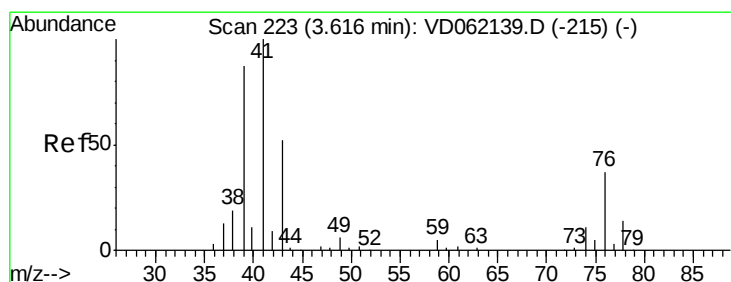
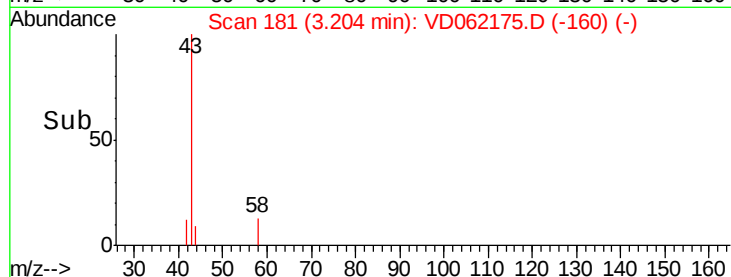
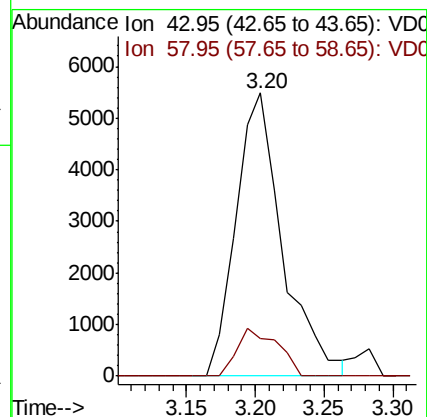
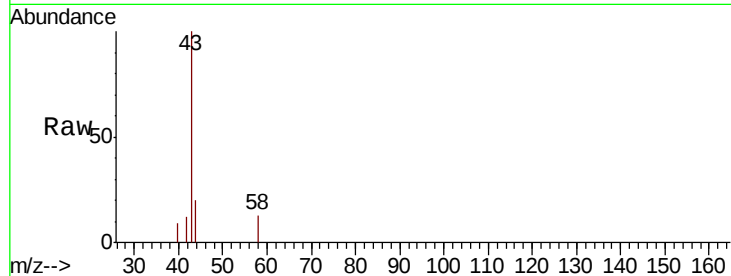
P026-SS001-0002-01

Tot Ion: 43 Resp: 12875

Ion Ratio Lower Upper

43 100

58 13.5 19.9 29.9#



#18

Methyl Acetate

Concen: 1.201 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062175.D

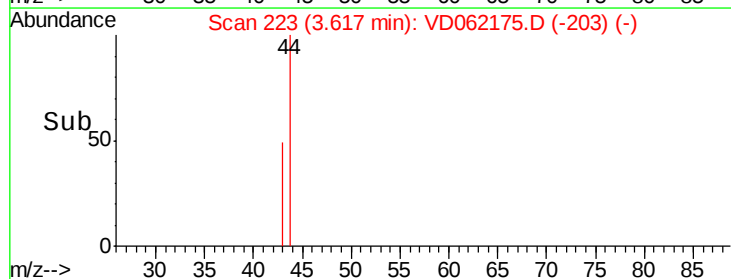
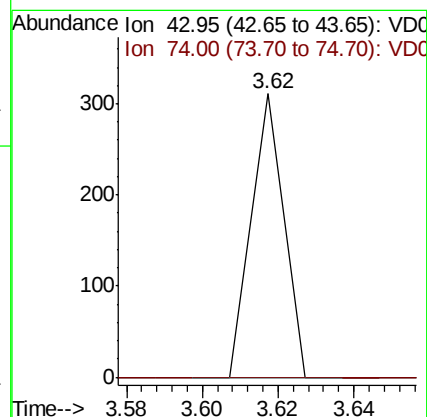
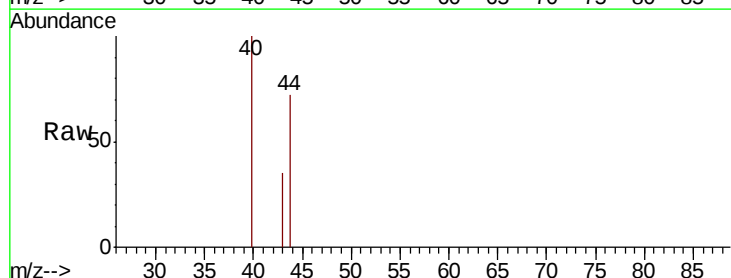
Acq: 8 May 2019 15:43

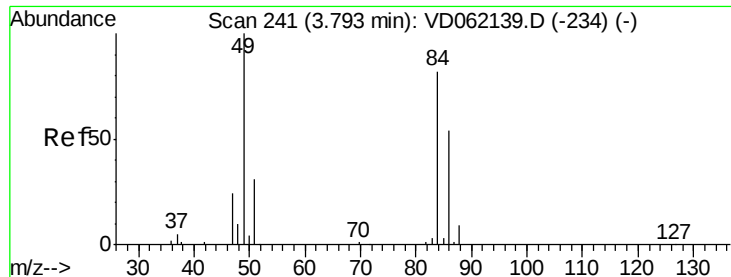
Tgt Ion: 43 Resp: 184

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#

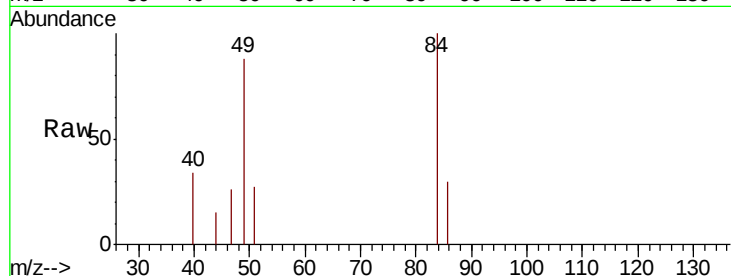




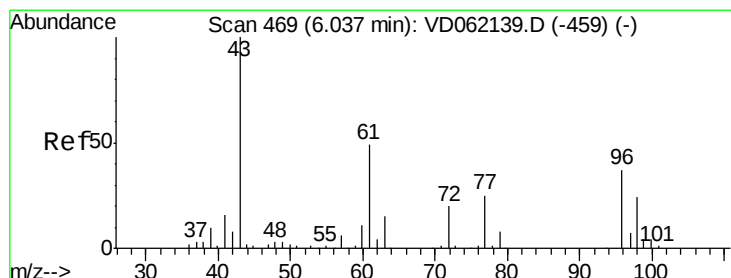
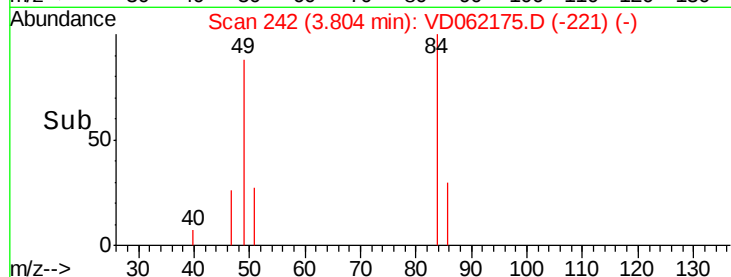
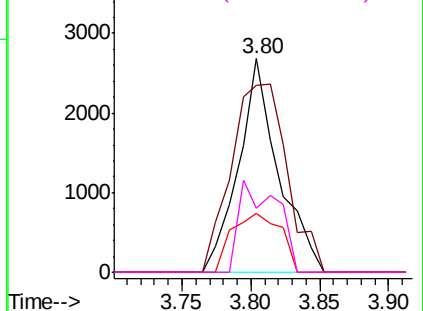
#20
Methylene Chloride
Concen: 18.813 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062175.D
Acq: 8 May 2019 15:43

Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-0002-01

Tot Ion: 84 Resp: 5397
Ion Ratio Lower Upper
84 100
49 87.7 94.0 141.0#
51 27.5 29.0 43.4#
86 30.0 49.8 74.6#

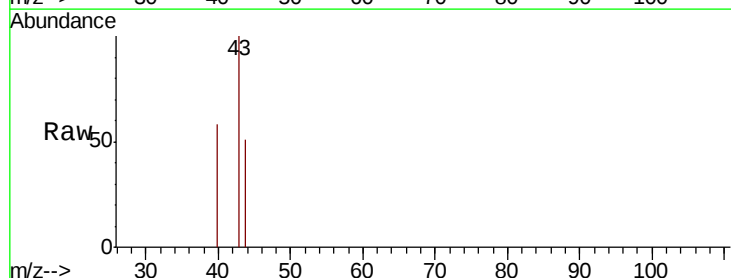


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

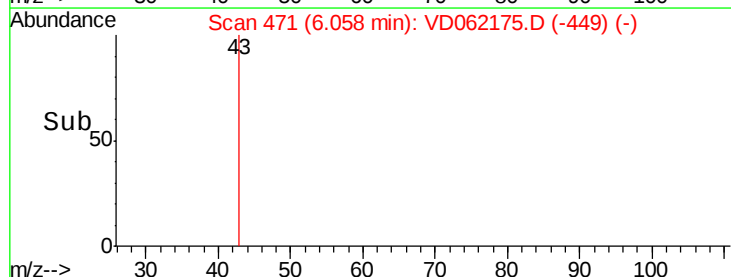
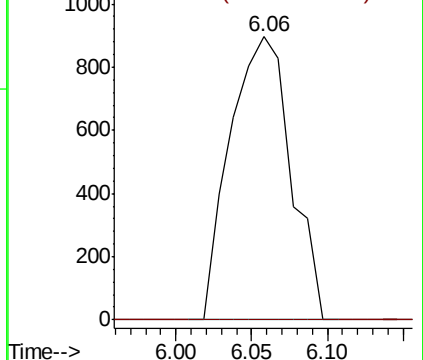


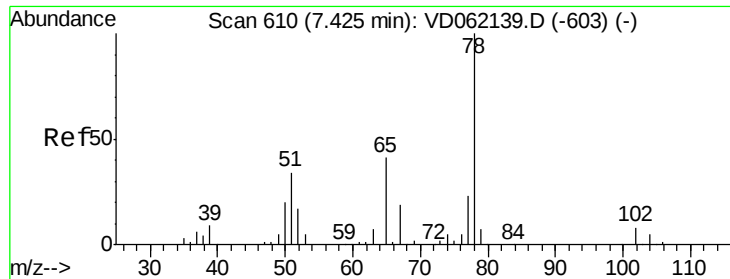
#25
2-Butanone
Concen: 33.452 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD062175.D
Acq: 8 May 2019 15:43

Tgt Ion: 43 Resp: 2507
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



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





#33

1,2-Dichloroethane-d4

Concen: 102.137 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062175.D

Acq: 8 May 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

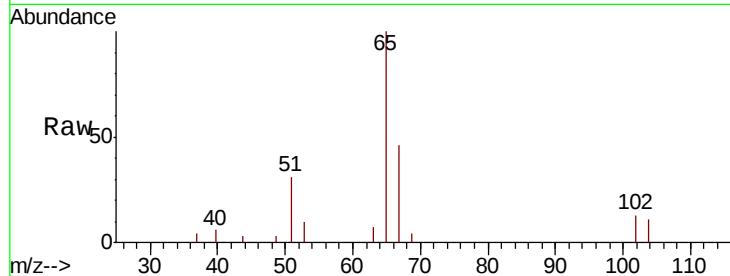
P026-SS001-0002-01

Tot Ion: 65 Resp: 33463

Ion Ratio Lower Upper

65 100

67 46.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

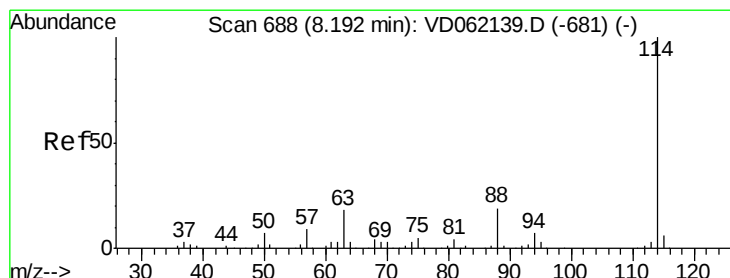
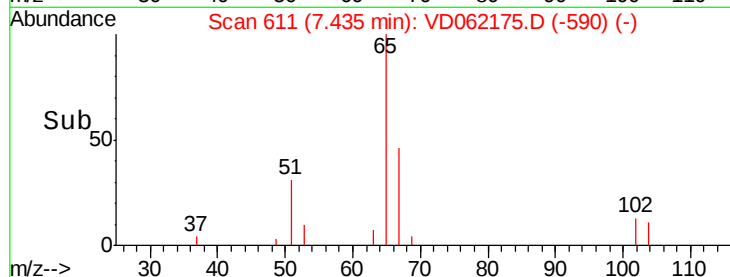
7.44

10000

5000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD062175.D

Acq: 8 May 2019 15:43

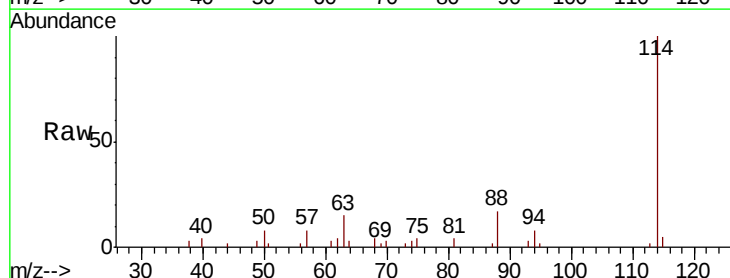
Tgt Ion: 114 Resp: 49585

Ion Ratio Lower Upper

114 100

63 15.4 0.0 32.4

88 17.5 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.19

25000

20000

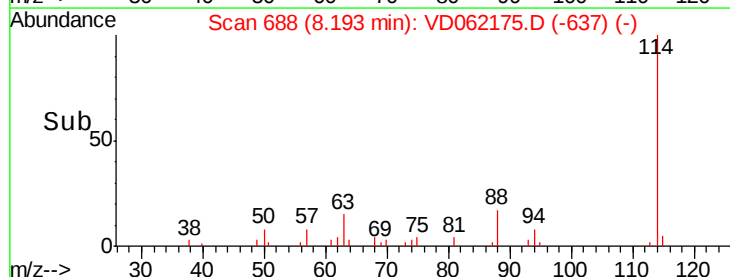
15000

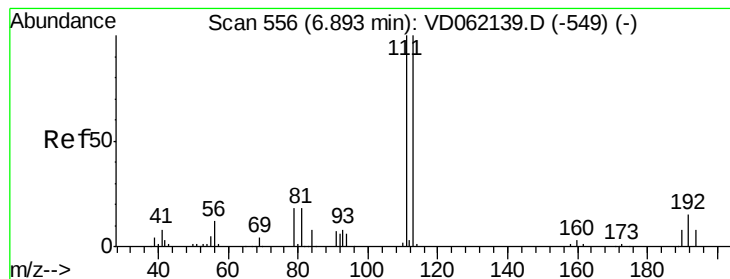
10000

5000

0

Time--> 8.10 8.20 8.30





#35

Dibromofluoromethane

Concen: 67.169 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD062175.D

Acq: 8 May 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

P026-SS001-0002-01

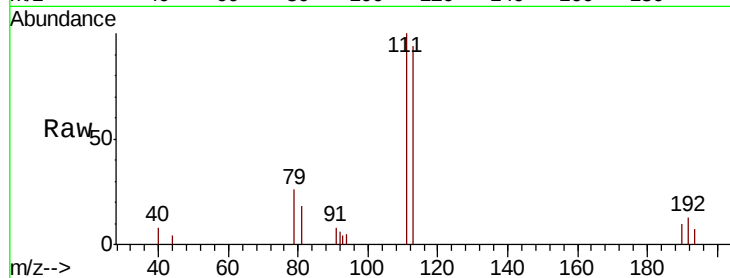
Tot Ion:113 Resp: 27634

Ion Ratio Lower Upper

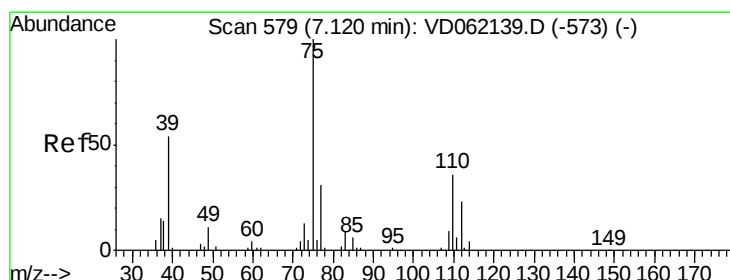
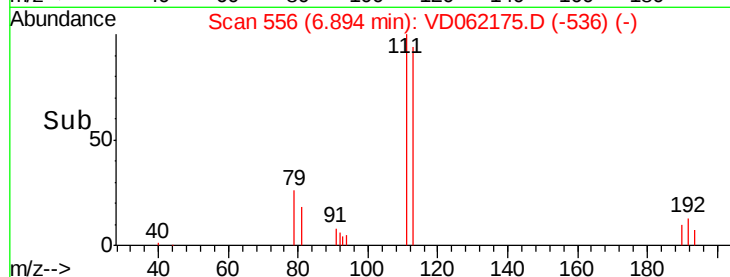
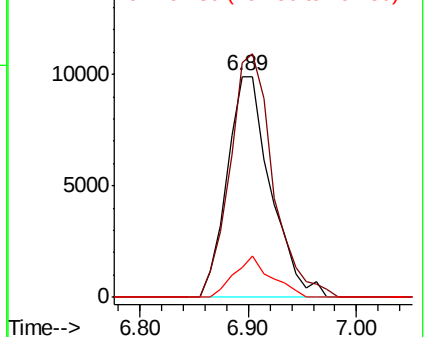
113 100

111 106.0 78.5 117.7

192 13.7 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: 3.785 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD062175.D

Acq: 8 May 2019 15:43

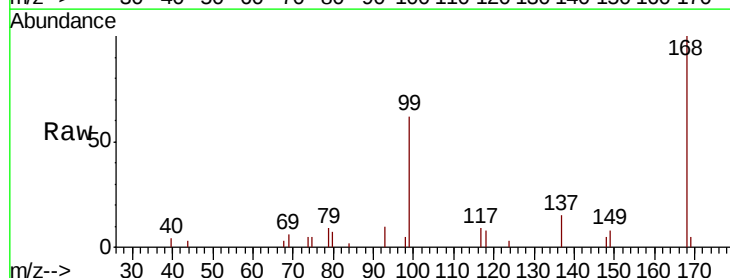
Tgt Ion: 75 Resp: 1539

Ion Ratio Lower Upper

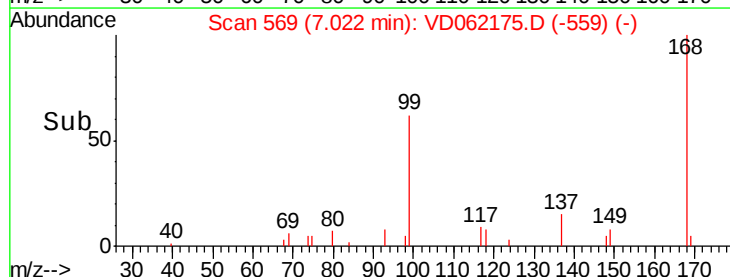
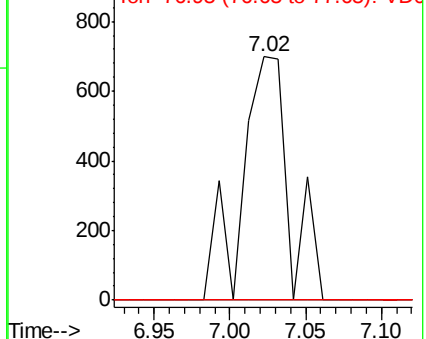
75 100

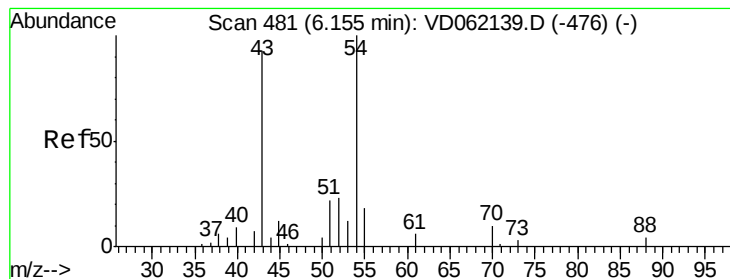
110 0.0 19.1 57.1#

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





#37

Ethyl Acetate

Concen: 14.541 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.10 min

Lab File: VD062175.D

Acq: 8 May 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

P026-SS001-0002-01

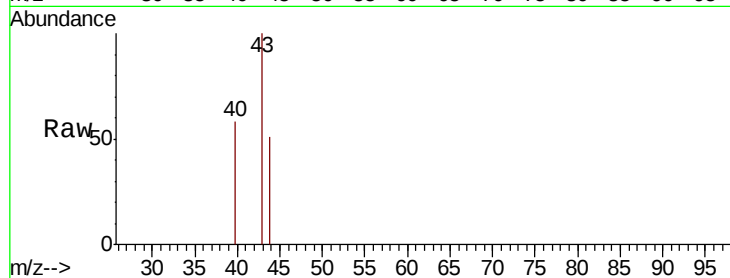
Tot Ion: 43 Resp: 2507

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

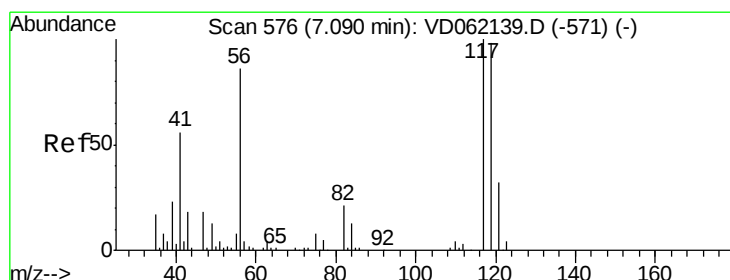
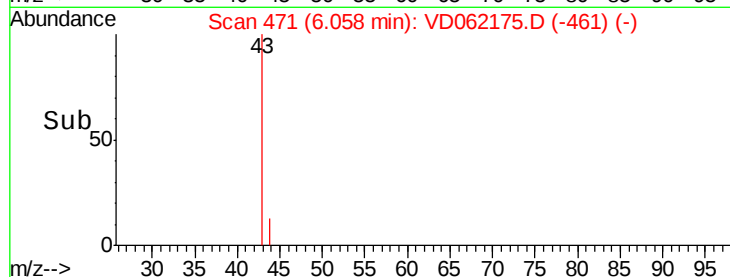
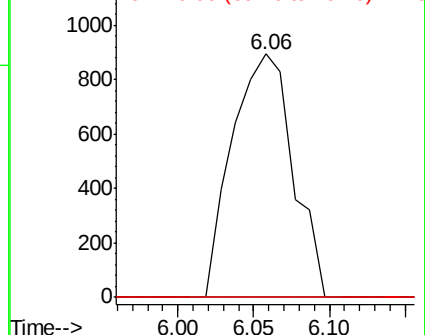
70 0.0 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.196 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.08 min

Lab File: VD062175.D

Acq: 8 May 2019 15:43

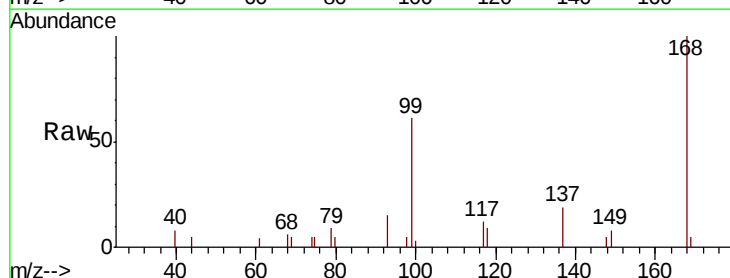
Tgt Ion: 117 Resp: 2924

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

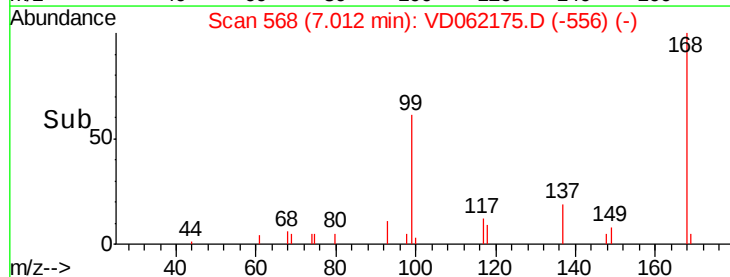
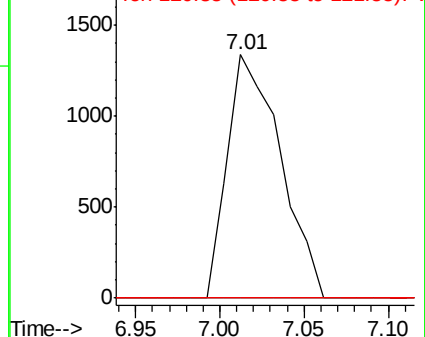
121 0.0 25.9 38.9#

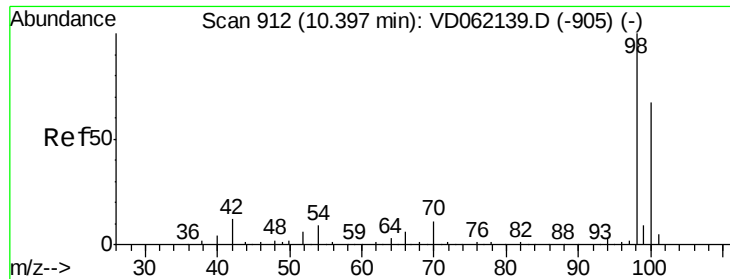


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

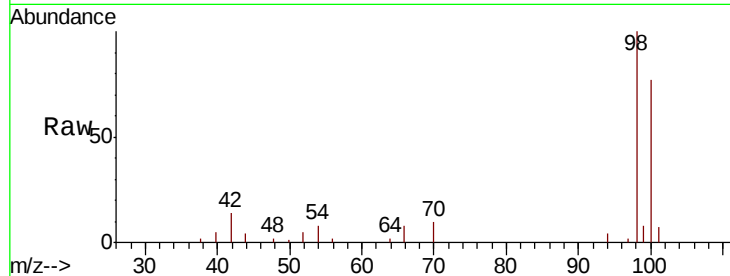




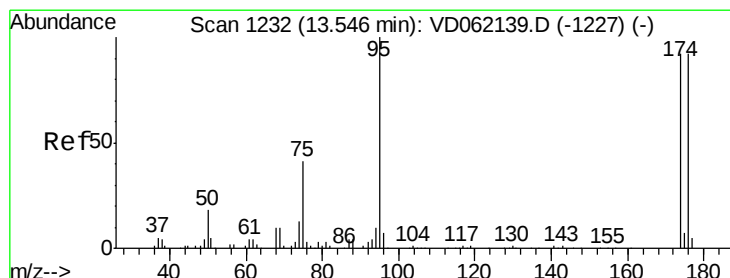
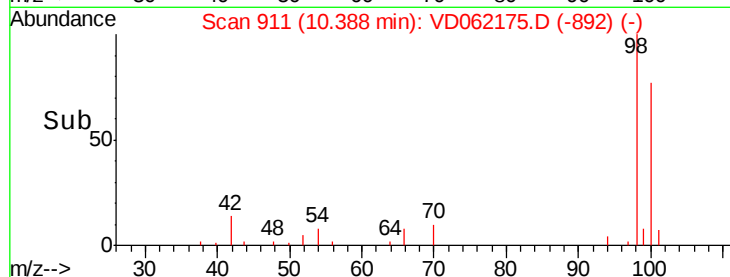
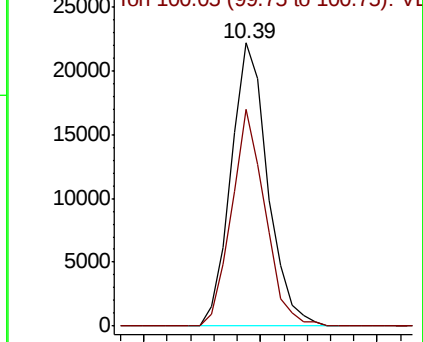
#50
Toluene-d8
Concen: 48.647 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062175.D
Acq: 8 May 2019 15:43

Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-0002-01

Tot Ion: 98 Resp: 48255
Ion Ratio Lower Upper
98 100
100 76.7 53.8 80.8

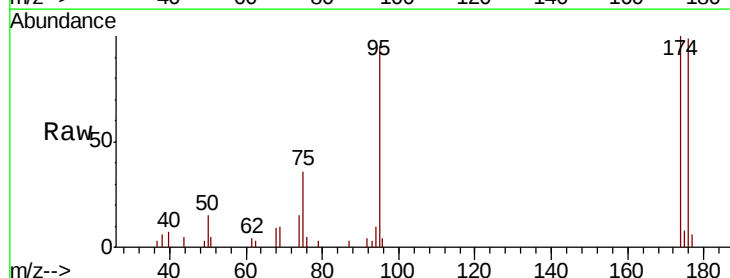


Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

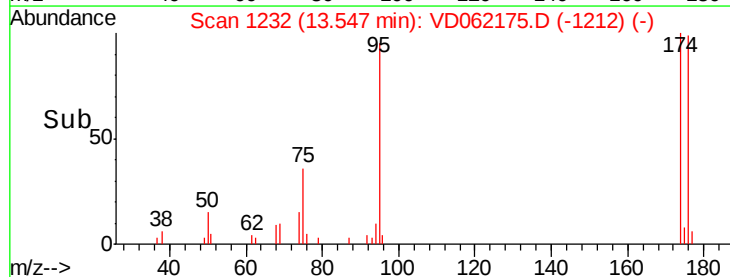
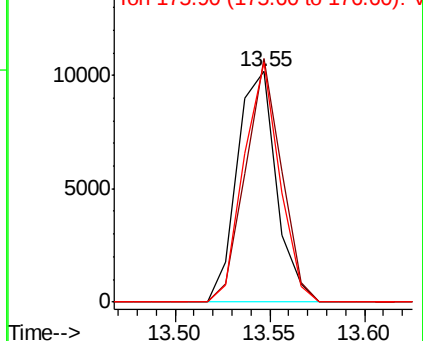


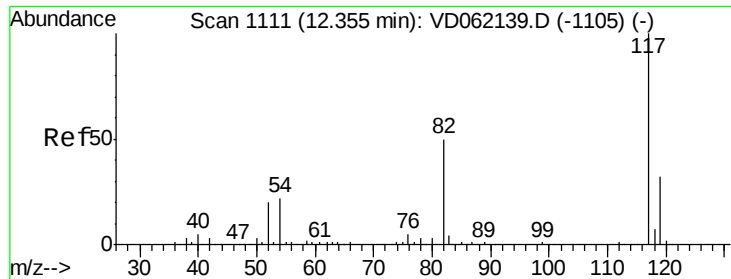
#62
4-Bromofluorobenzene
Concen: 36.578 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062175.D
Acq: 8 May 2019 15:43

Tgt Ion: 95 Resp: 14570
Ion Ratio Lower Upper
95 100
174 105.5 0.0 181.8
176 104.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

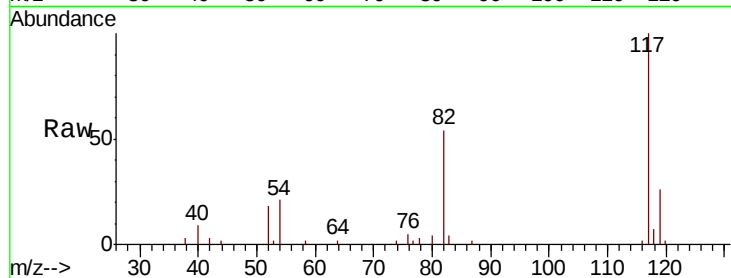




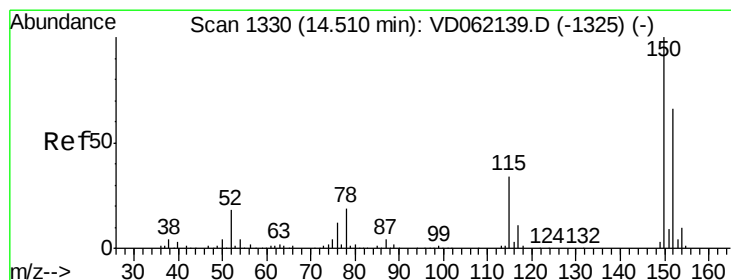
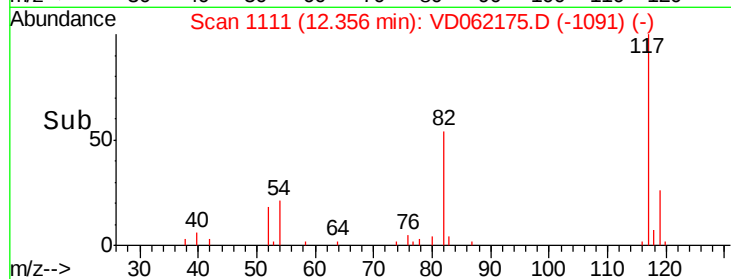
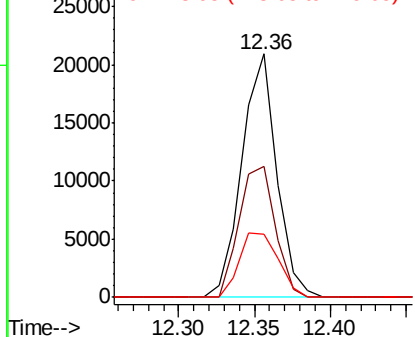
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062175.D
Acq: 8 May 2019 15:43

Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-0002-01

Tot Ion:117 Resp: 33484
Ion Ratio Lower Upper
117 100
82 53.6 36.2 54.2
119 25.7 26.2 39.4#

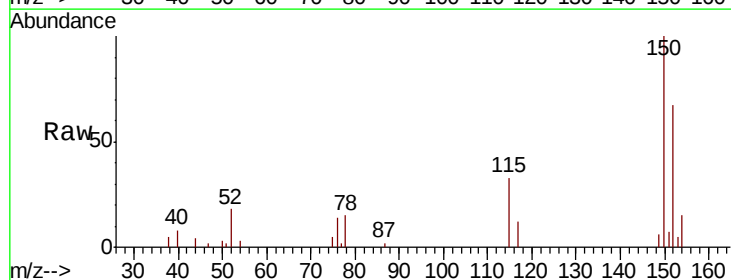


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

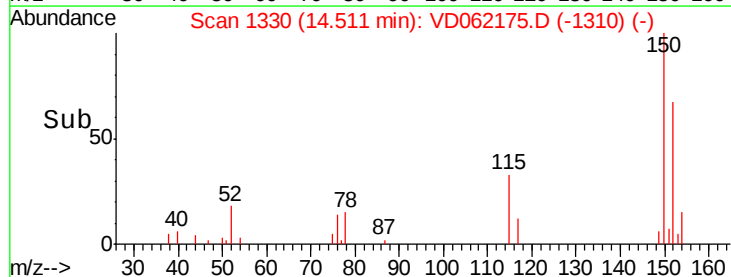
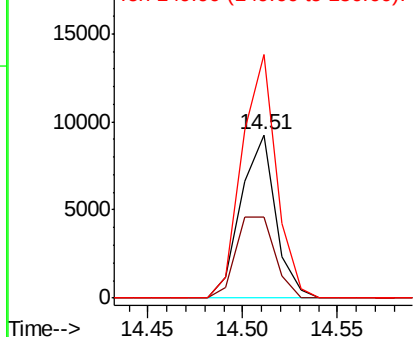


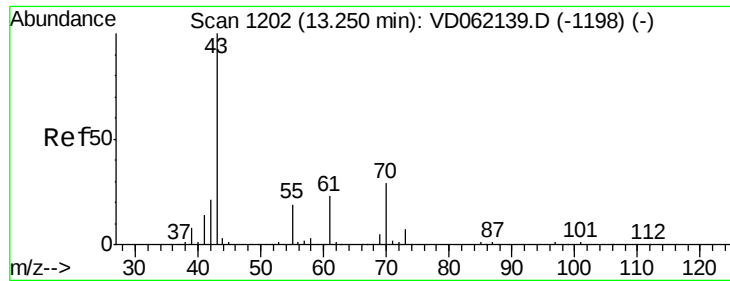
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062175.D
Acq: 8 May 2019 15:43

Tgt Ion:152 Resp: 11717
Ion Ratio Lower Upper
152 100
115 49.8 30.9 92.7
150 149.2 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





#74

N-amvl acetate

Concen: 1.070 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.14 min

Lab File: VD062175.D

Acq: 8 May 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

P026-SS001-0002-01

Tot Ion: 43 Resp: 197

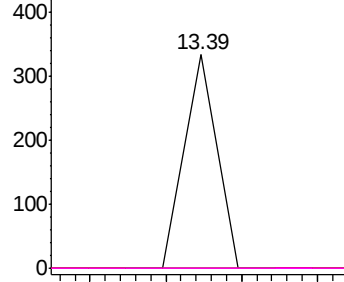
Ion	Ratio	Lower	Upper
43	100		
70	0.0	24.2	36.4#
55	0.0	16.0	24.0#
61	0.0	21.6	32.4#

Abundance Ion 42.95 (42.65 to 43.65): VDC

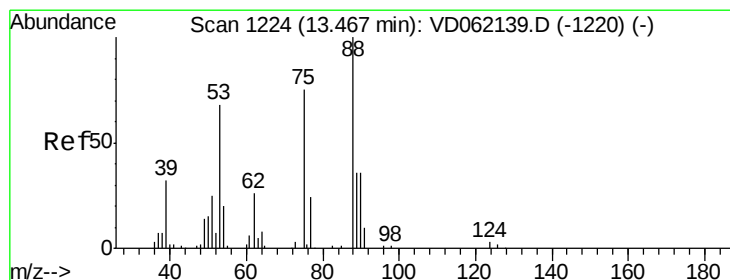
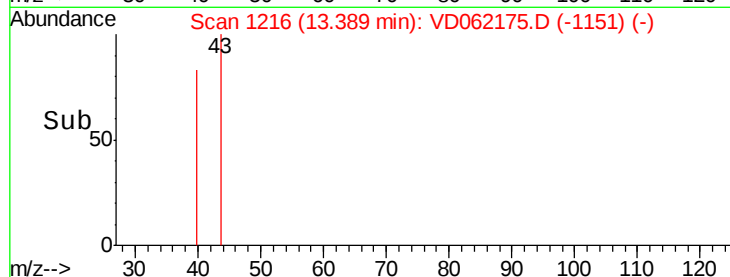
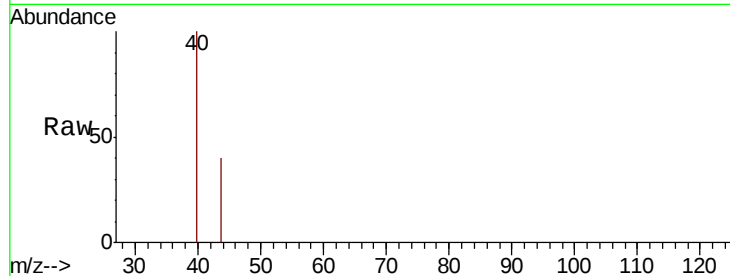
Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 137.928 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062175.D

Acq: 8 May 2019 15:43

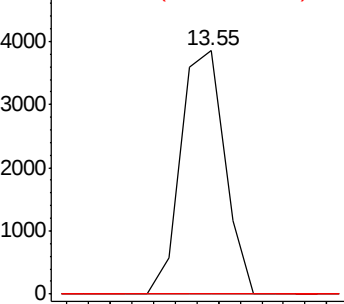
Tgt Ion: 75 Resp: 5422

Ion	Ratio	Lower	Upper
75	100		
53	0.0	65.8	98.8#
89	0.0	35.0	52.6#

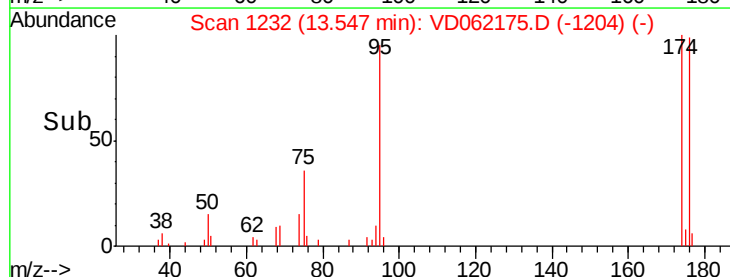
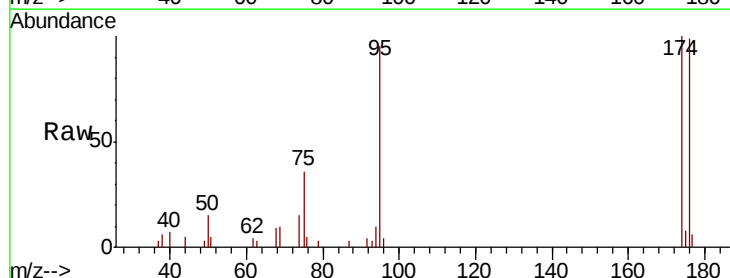
Abundance Ion 75.00 (74.70 to 75.70): VDC

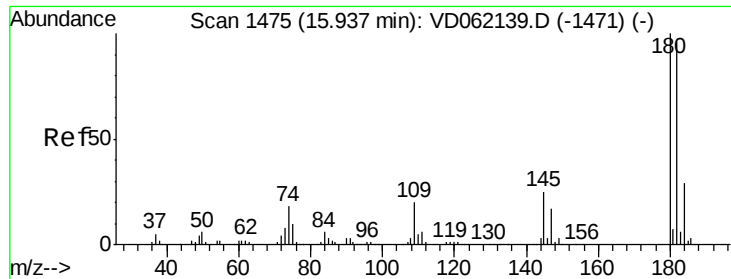
Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



Time-->

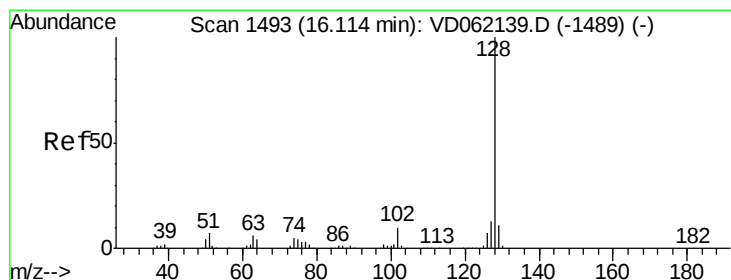
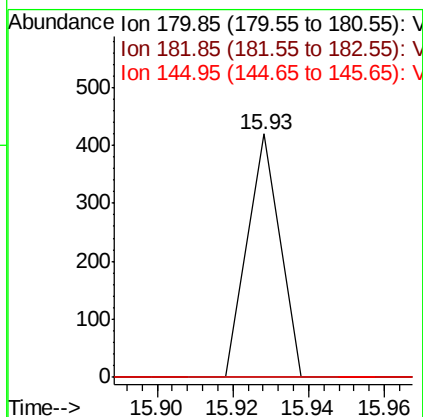
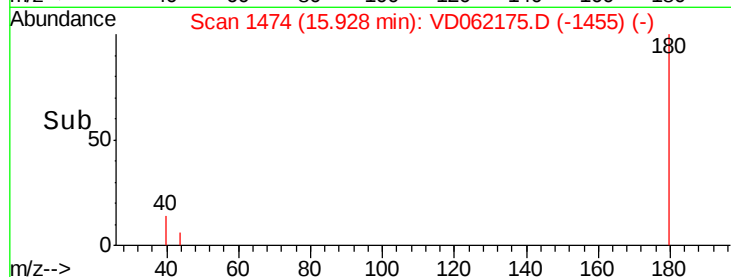
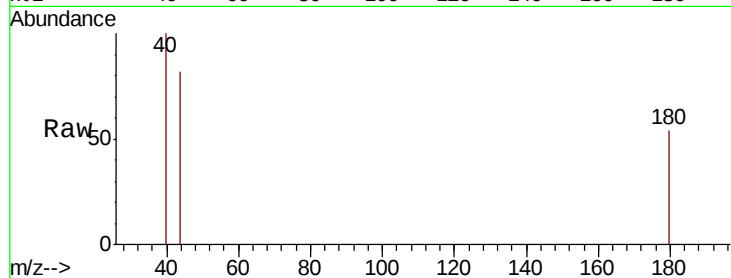




#93
 1,2,4-Trichlorobenzene
 Concen: 1.152 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062175.D
 Acq: 8 May 2019 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS001-0002-01

Tot Ion:180 Resp: 248
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.3 147.8#
 145 0.0 16.2 48.6#



#95
 Naphthalene
 Concen: 1.191 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062175.D
 Acq: 8 May 2019 15:43

Tgt Ion:128 Resp: 358
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.8 14.8#
 129 0.0 8.8 13.2#

