

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062405.D
 Acq On : 15 May 2019 23:08
 Operator : FY/SY
 Sample : K2644-01
 Misc : 7.41g/5mL/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 16 04:00:47 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	7.05	168	547288	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	724809	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	497249	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	201040	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	232752	45.76	ug/l	0.03
Spiked Amount			Recovery	=	91.52%	
35) Dibromofluoromethane	6.92	113	275253	45.77	ug/l	0.03
Spiked Amount			Recovery	=	91.54%	
50) Toluene-d8	10.42	98	537629	37.08	ug/l	0.02
Spiked Amount			Recovery	=	74.16%	
62) 4-Bromofluorobenzene	13.55	95	182466	31.34	ug/l	0.00
Spiked Amount			Recovery	=	62.68%	

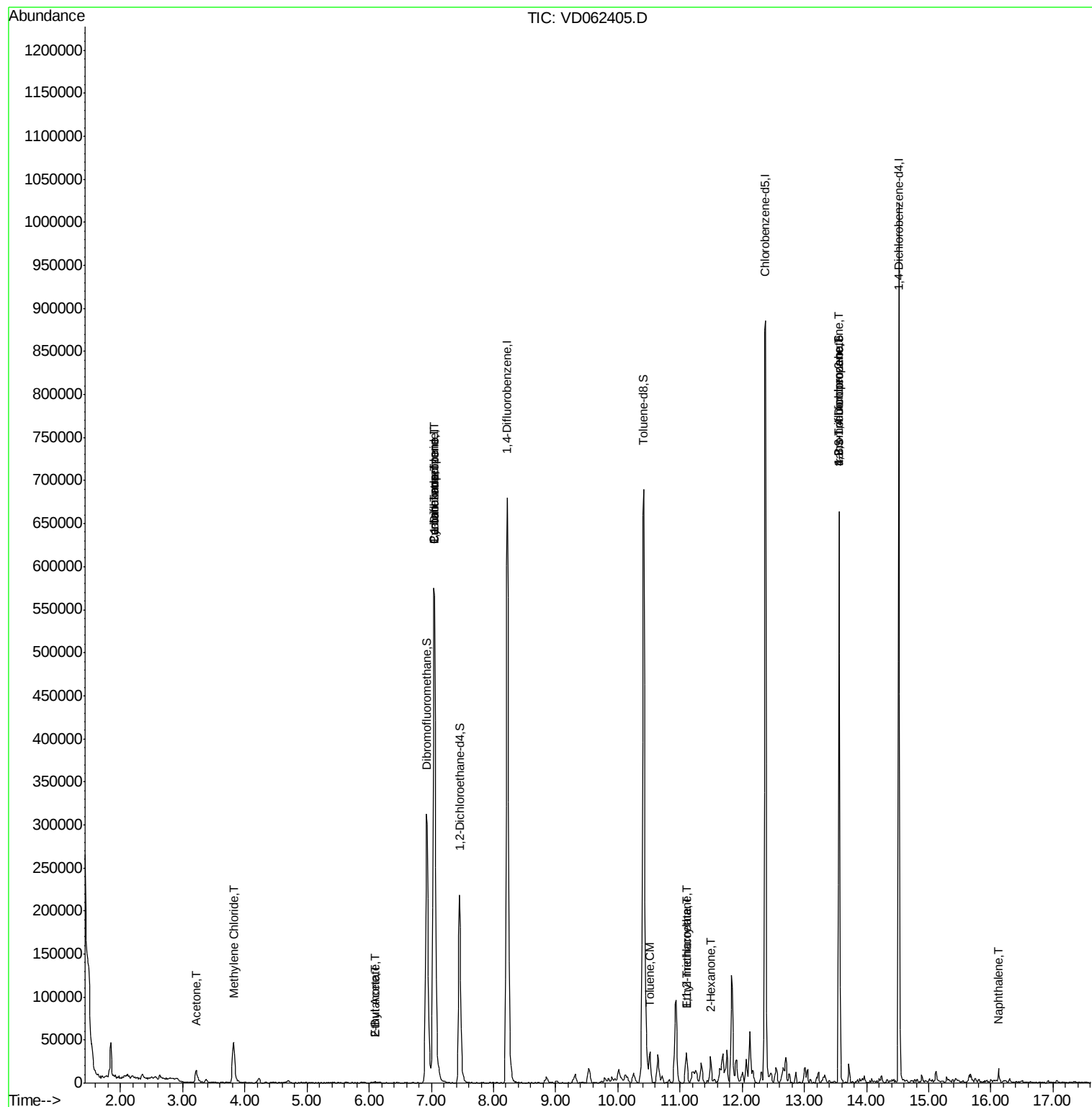
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	26970	25.286	ug/l #	85
20) Methylene Chloride	3.81	84	33116	7.436	ug/l	91
25) 2-Butanone	6.10	43	2961	2.545	ug/l #	56
31) Cyclohexane	7.04	56	12175	2.282	ug/l #	26
36) 1,1-Dichloropropene	7.04	75	43850	7.379	ug/l #	48
37) Ethyl Acetate	6.10	43	2961	1.175	ug/l #	64
38) Carbon Tetrachloride	7.04	117	55708	6.773	ug/l #	16
52) Toluene	10.51	92	17746	2.032	ug/l	98
55) 1,1,2-Trichloroethane	11.10	97	16700	5.406	ug/l #	21
56) Ethyl methacrylate	11.10	69	3673	1.144	ug/l #	1
59) 2-Hexanone	11.49	43	14836	8.761	ug/l #	27
76) 1,2,3-Trichloropropane	13.55	75	68062	28.487	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	84244	124.901	ug/l #	16
95) Naphthalene	16.12	128	9507	1.843	ug/l #	92

(#) = 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: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062405.D

Acq: 15 May 2019 23:08

Instrument :

MSVOA_D

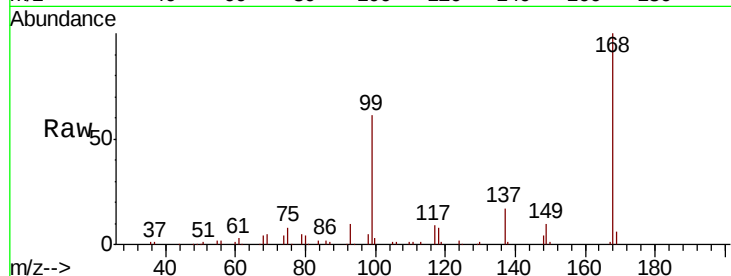
ClientSampleId :

Tot Ion:168 Resp: 547288

Ion Ratio Lower Upper

168 100

99 60.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

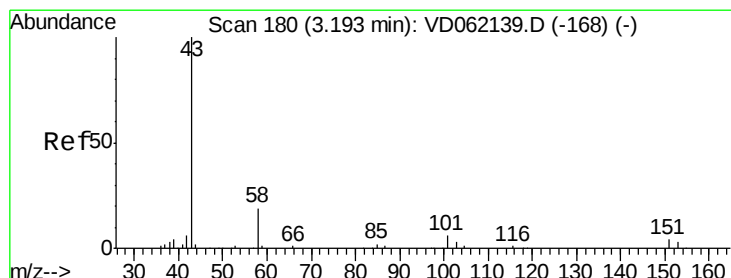
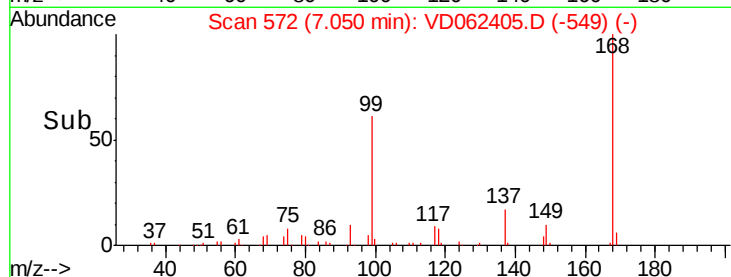
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 25.286 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062405.D

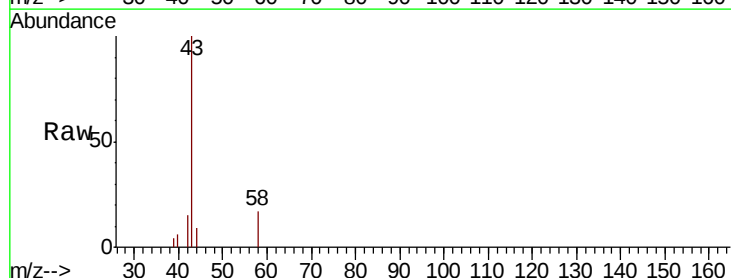
Acq: 15 May 2019 23:08

Tgt Ion: 43 Resp: 26970

Ion Ratio Lower Upper

43 100

58 17.2 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

10000

8000

6000

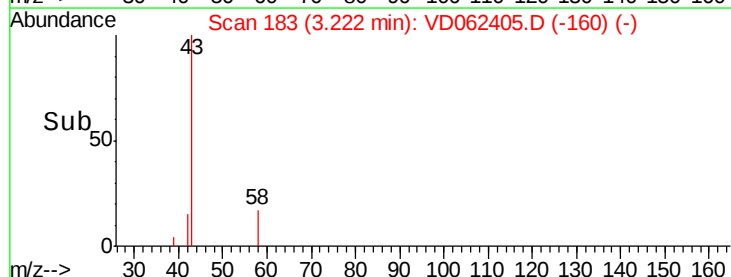
4000

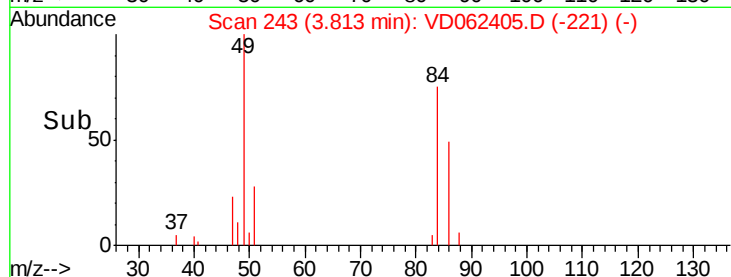
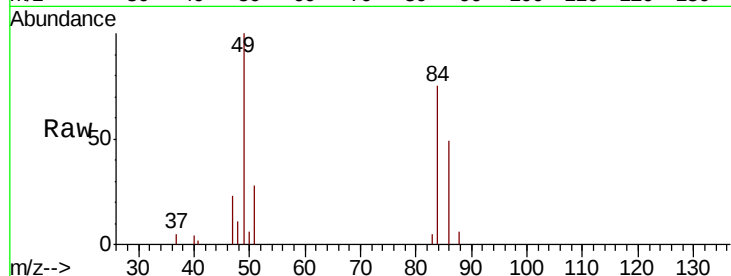
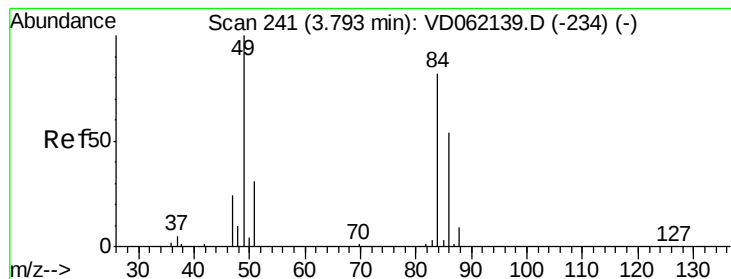
2000

0

3.10 3.20 3.30

Time-->





#20

Methylene Chloride

Concen: 7.436 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD062405.D

Acq: 15 May 2019 23:08

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 33116

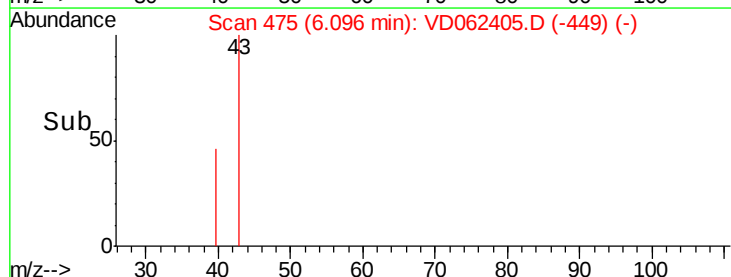
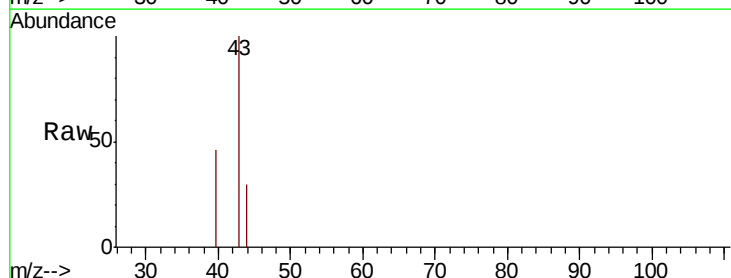
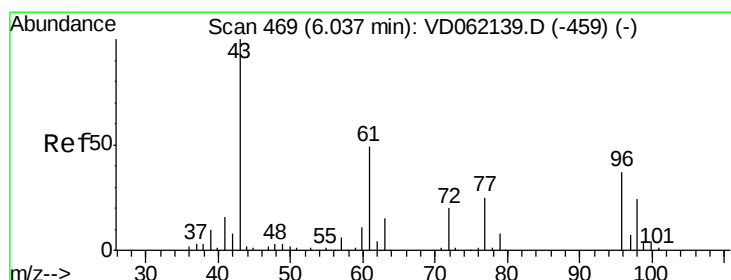
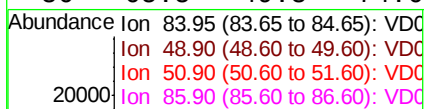
Ion Ratio Lower Upper

84 100

49 133.2 94.0 141.0

51 36.7 29.0 43.4

86 65.5 49.8 74.6



#25

2-Butanone

Concen: 2.545 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.06 min

Lab File: VD062405.D

Acq: 15 May 2019 23:08

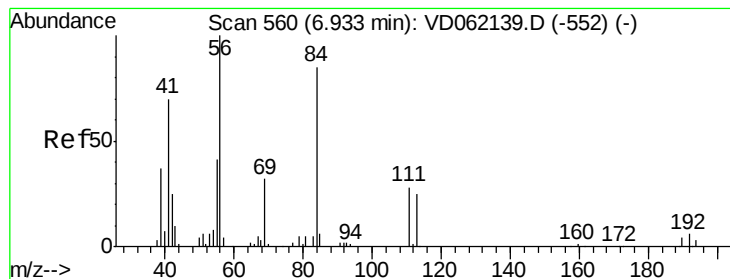
Tgt Ion: 43 Resp: 2961

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#





#31

Cyclohexane

Concen: 2.282 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD062405.D

Acq: 15 May 2019 23:08

Instrument :
MSVOA_D
ClientSampleId :

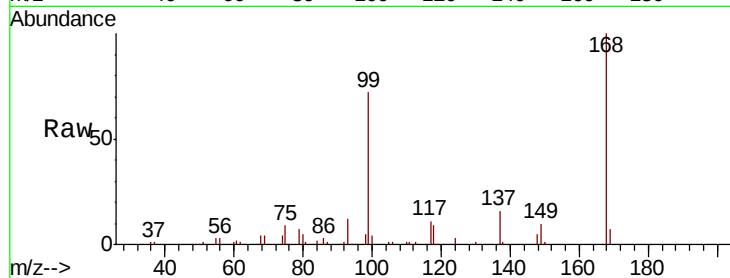
Tot Ion: 56 Resp: 12175

Ion Ratio Lower Upper

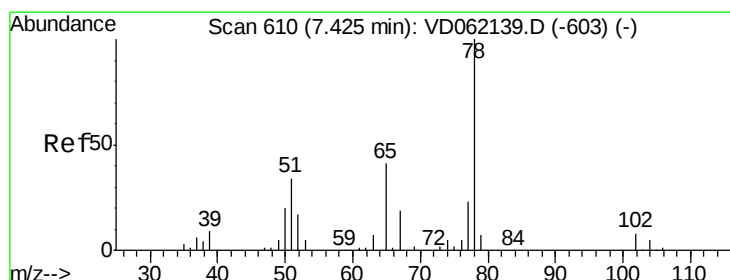
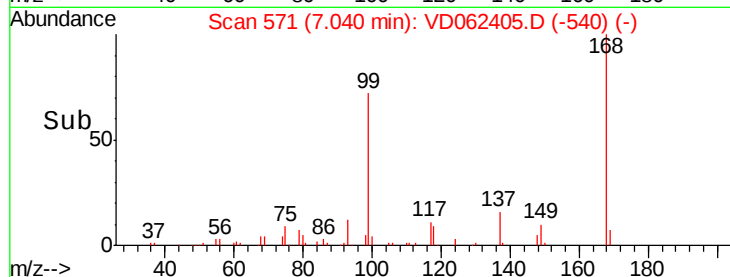
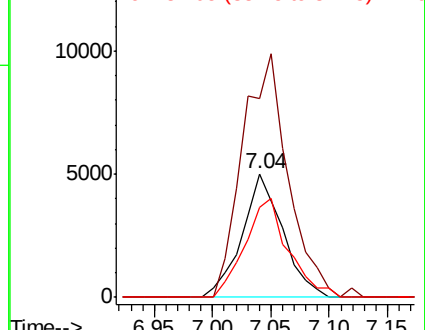
56 100

69 160.9 25.8 38.6#

84 73.1 72.2 108.4



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



#33

1,2-Dichloroethane-d4

Concen: 45.763 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062405.D

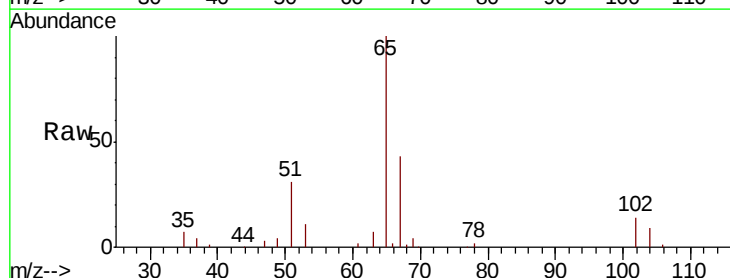
Acq: 15 May 2019 23:08

Tgt Ion: 65 Resp: 232752

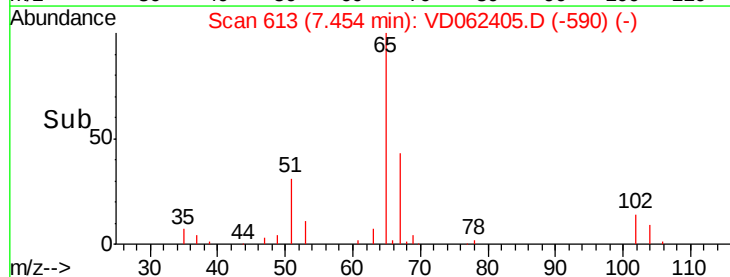
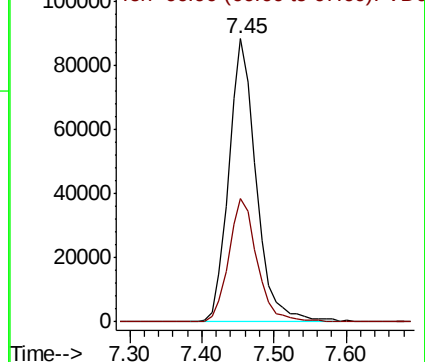
Ion Ratio Lower Upper

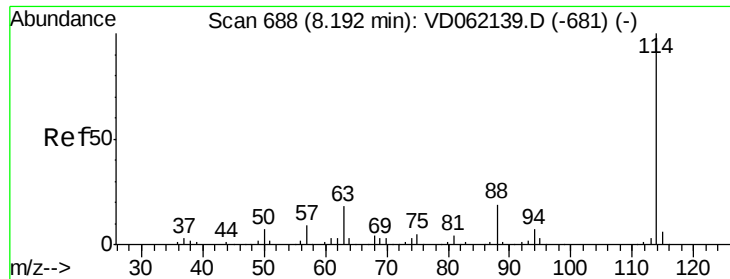
65 100

67 43.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

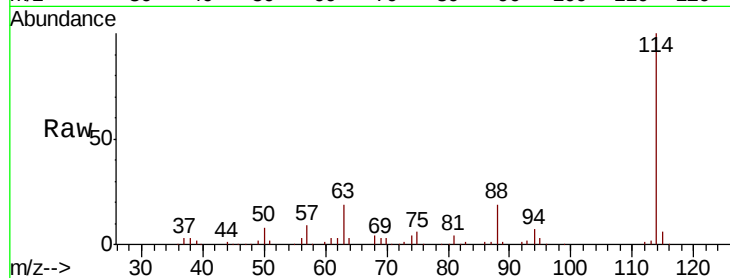




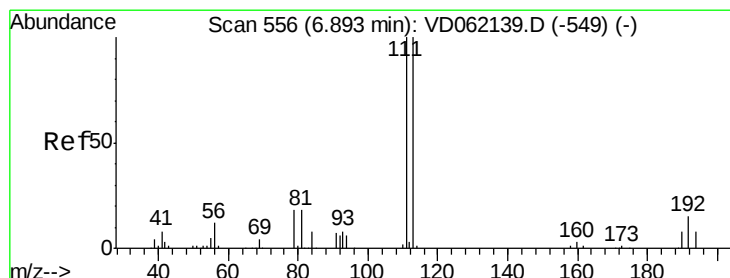
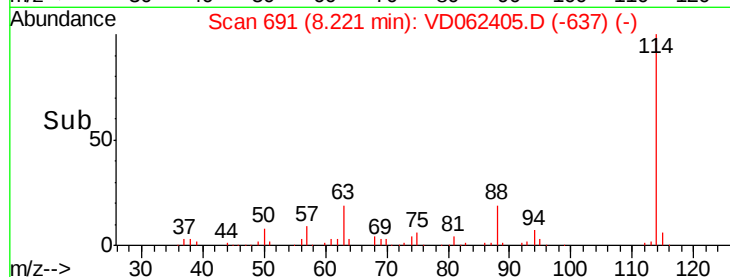
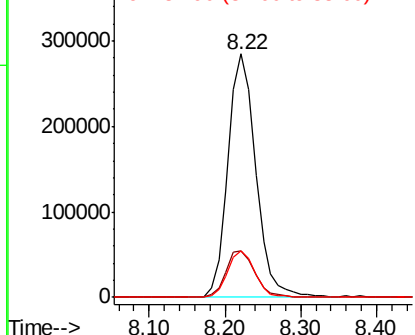
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062405.D
 Acq: 15 May 2019 23:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 724809
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 32.4
 88 18.8 0.0 33.6

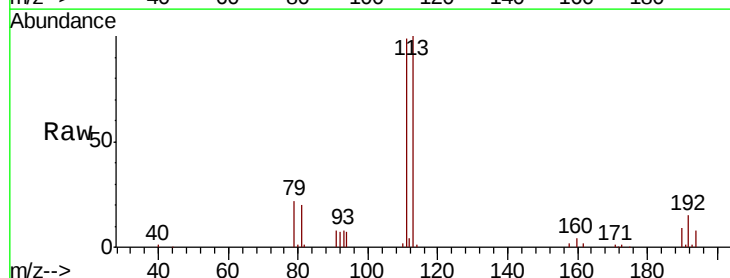


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

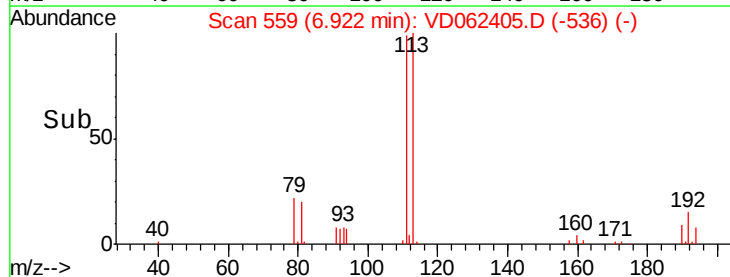
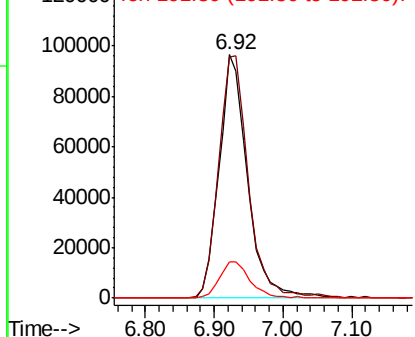


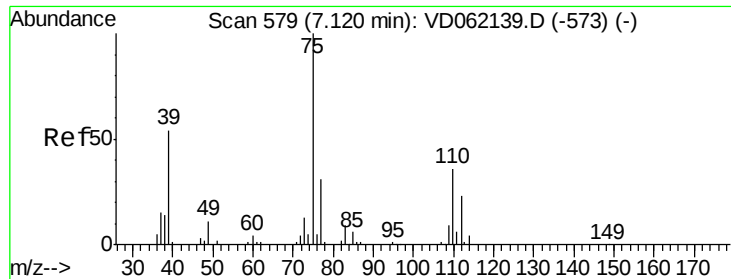
#35
 Dibromofluoromethane
 Concen: 45.770 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062405.D
 Acq: 15 May 2019 23:08

Tgt Ion:113 Resp: 275253
 Ion Ratio Lower Upper
 113 100
 111 99.2 78.5 117.7
 192 14.8 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

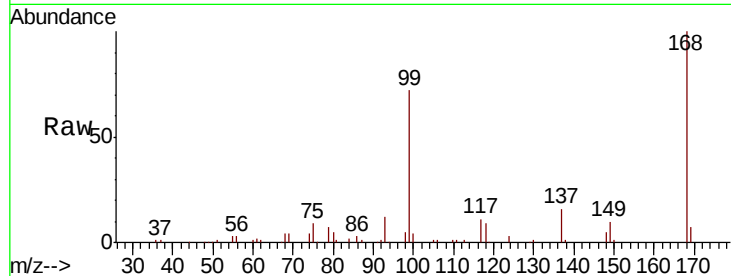




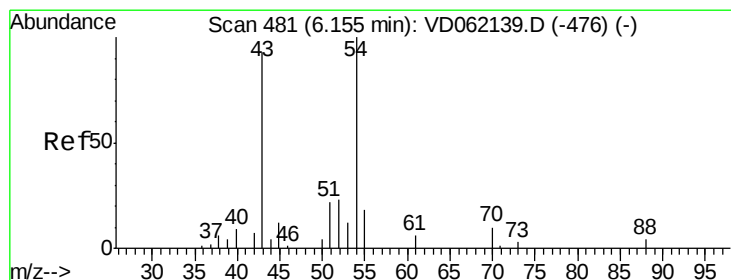
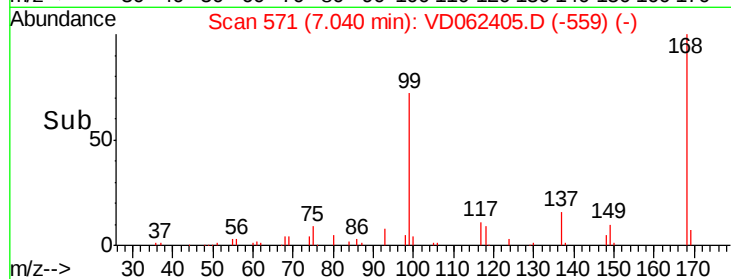
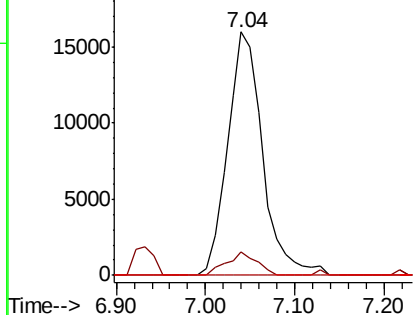
#36
 1,1-Dichloropropene
 Concen: 7.379 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD062405.D
 Acq: 15 May 2019 23:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.1#
77	0.0	25.6	38.4#

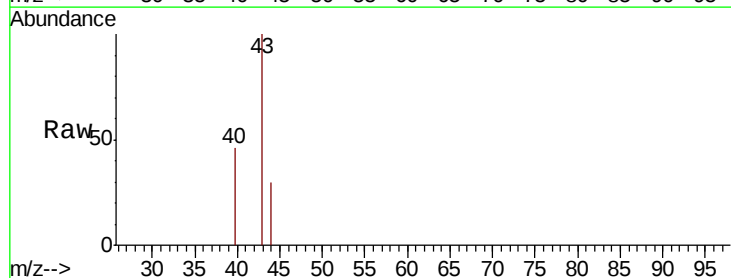


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

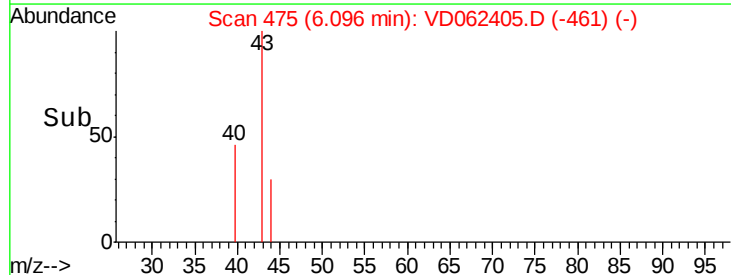
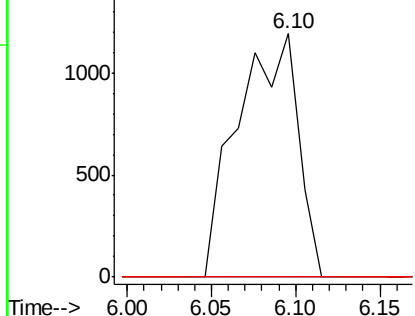


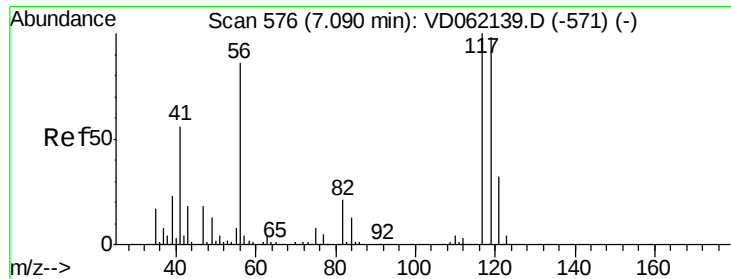
#37
 Ethyl Acetate
 Concen: 1.175 ug/l
 RT: 6.10 min Scan# 475
 Delta R.T. -0.06 min
 Lab File: VD062405.D
 Acq: 15 May 2019 23:08

Tgt 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

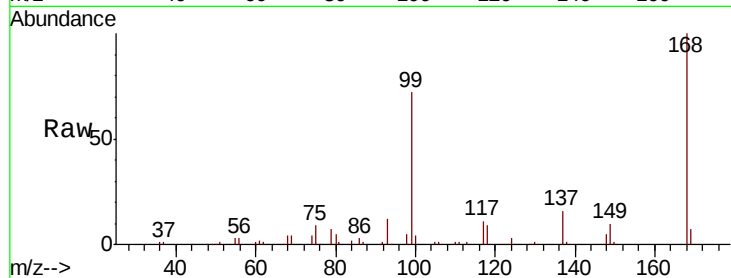




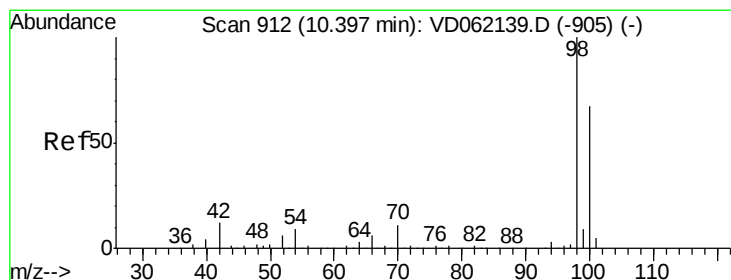
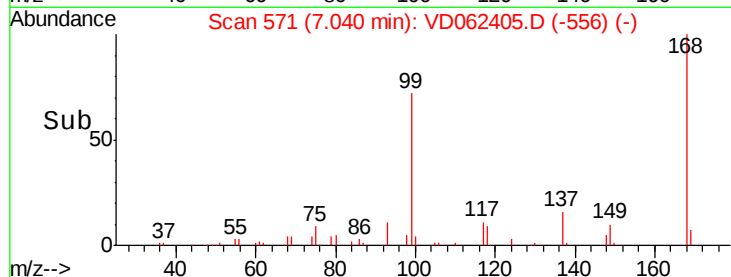
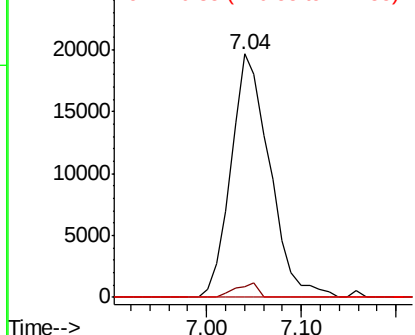
#38
Carbon Tetrachloride
Concen: 6.773 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD062405.D
Acq: 15 May 2019 23:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 55708
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 25.9 38.9#

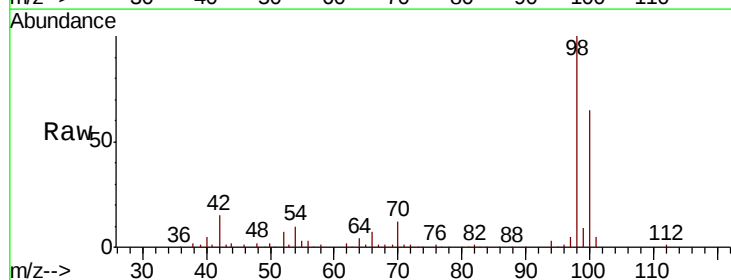


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

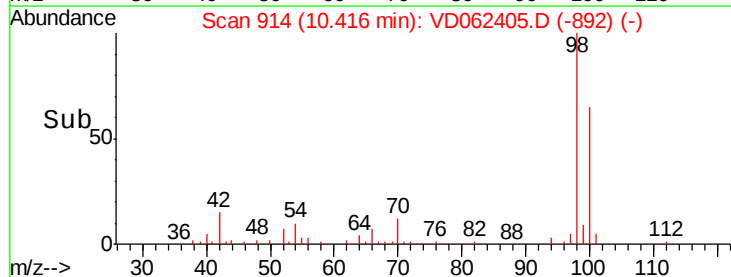
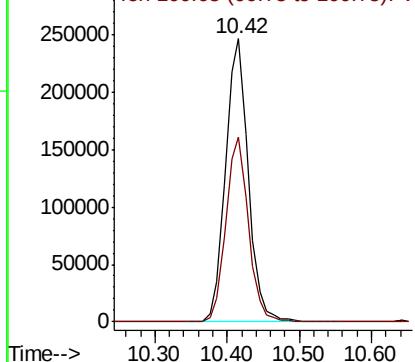


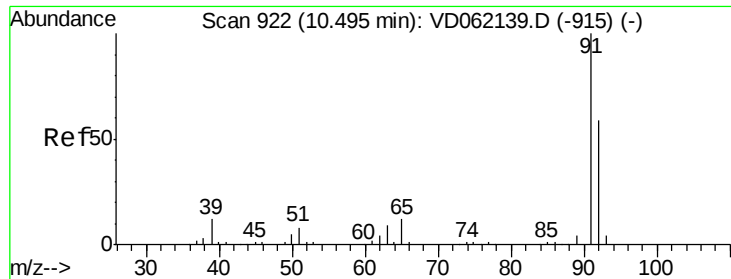
#50
Toluene-d8
Concen: 37.078 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062405.D
Acq: 15 May 2019 23:08

Tgt Ion: 98 Resp: 537629
Ion Ratio Lower Upper
98 100
100 65.1 53.8 80.8



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





#52

Toluene

Concen: 2.032 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062405.D

Acq: 15 May 2019 23:08

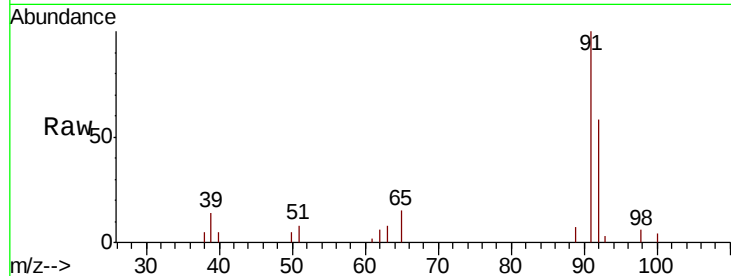
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 17746

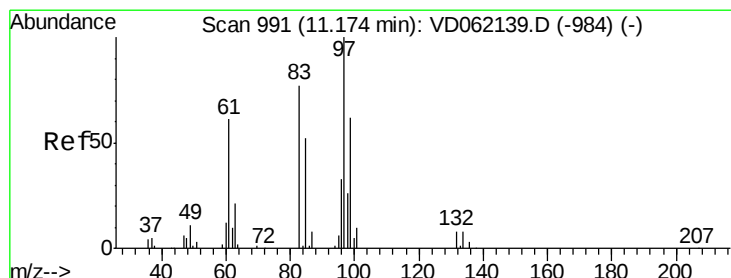
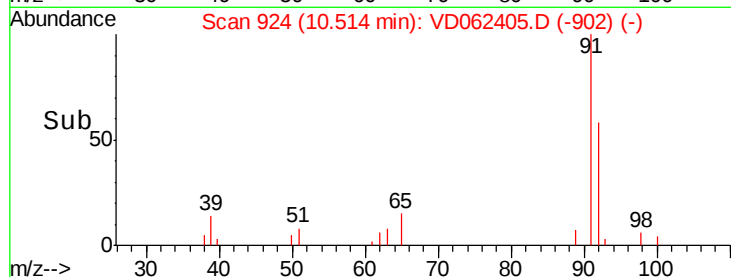
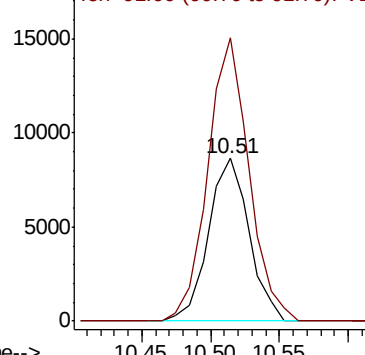
Ion Ratio Lower Upper

92 100

91 173.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 5.406 ug/l

RT: 11.10 min Scan# 984

Delta R.T. -0.07 min

Lab File: VD062405.D

Acq: 15 May 2019 23:08

Tgt Ion: 97 Resp: 16700

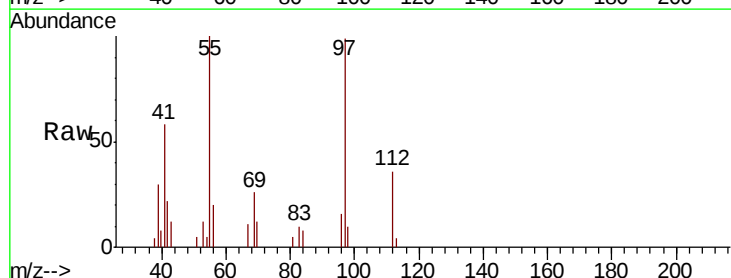
Ion Ratio Lower Upper

97 100

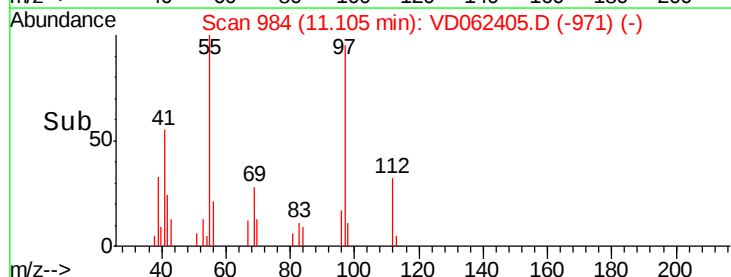
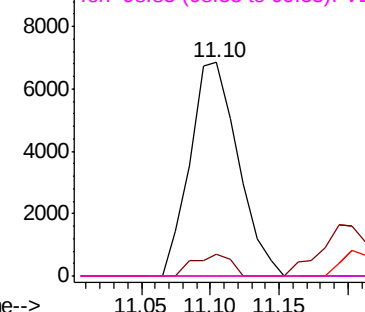
83 10.0 65.7 98.5#

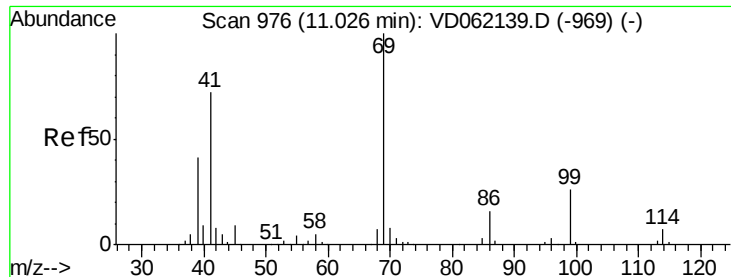
85 0.0 45.6 68.4#

99 0.0 48.4 72.6#



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: 1.144 ug/l

RT: 11.10 min Scan# 984

Delta R.T. 0.08 min

Lab File: VD062405.D

Acq: 15 May 2019 23:08

Instrument :
MSVOA_D
ClientSampled :

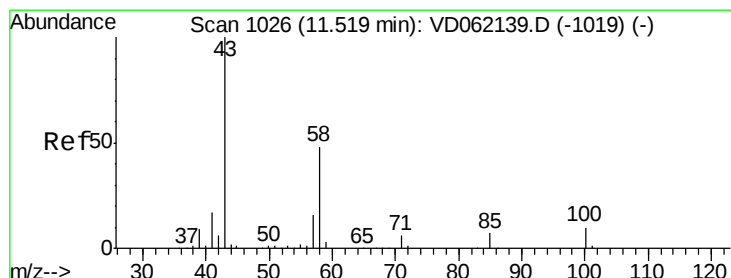
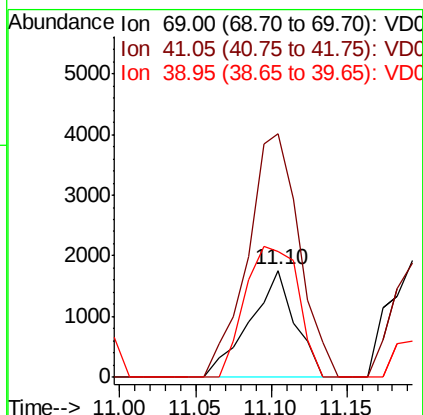
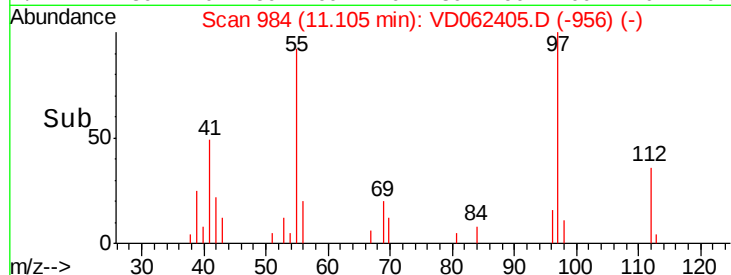
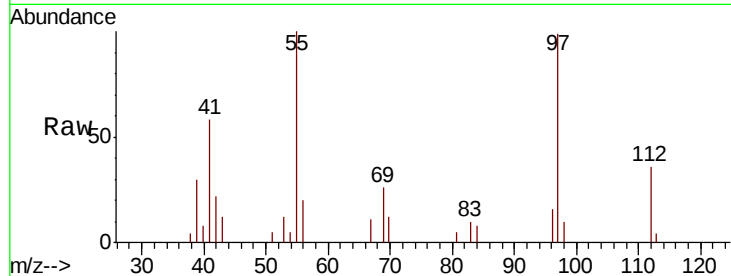
Tot Ion: 69 Resp: 3673

Ion Ratio Lower Upper

69 100

41 226.9 56.3 84.5#

39 117.7 29.4 44.2#



#59

2-Hexanone

Concen: 8.761 ug/l

RT: 11.49 min Scan# 1023

Delta R.T. -0.03 min

Lab File: VD062405.D

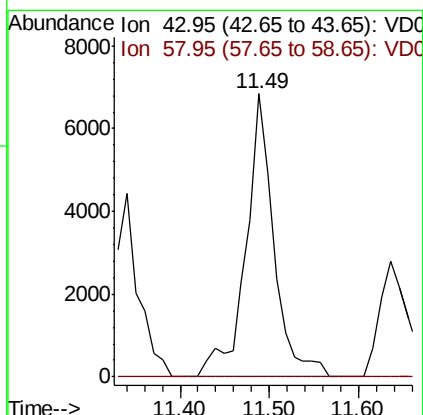
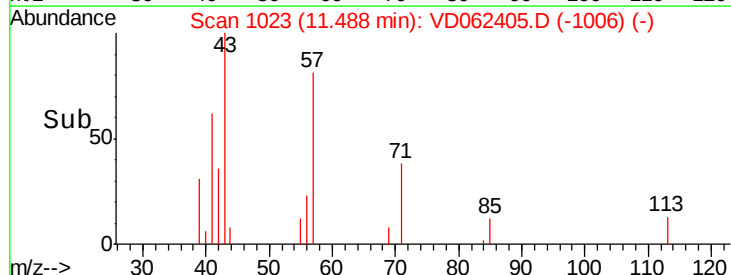
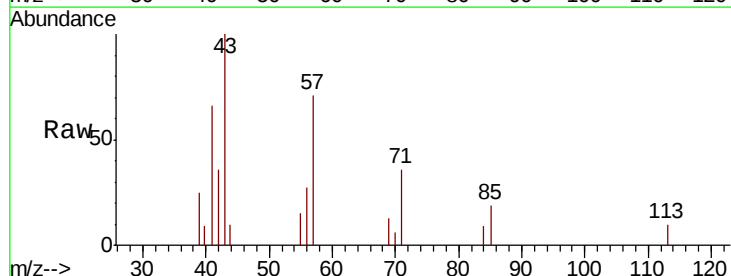
Acq: 15 May 2019 23:08

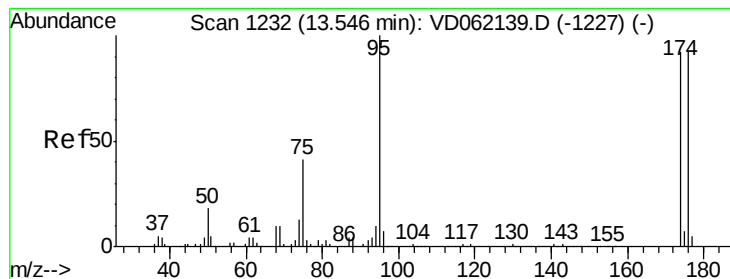
Tgt Ion: 43 Resp: 14836

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.4#





#62

4-Bromofluorobenzene

Concen: 31.338 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062405.D

Acq: 15 May 2019 23:08

Instrument :

MSVOA_D

ClientSampleId :

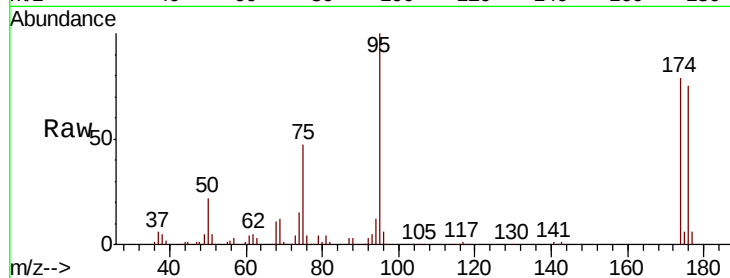
Tot Ion: 95 Resp: 182466

Ion Ratio Lower Upper

95 100

174 78.5 0.0 181.8

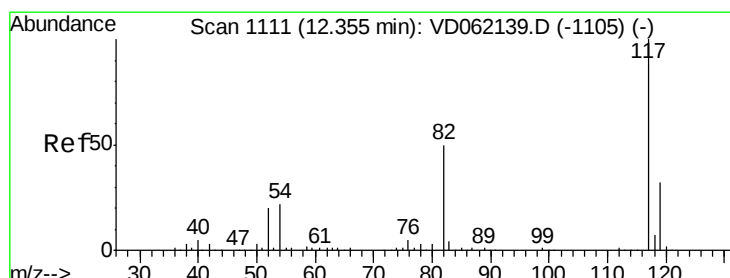
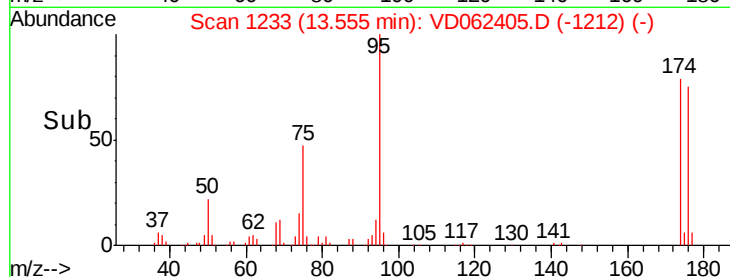
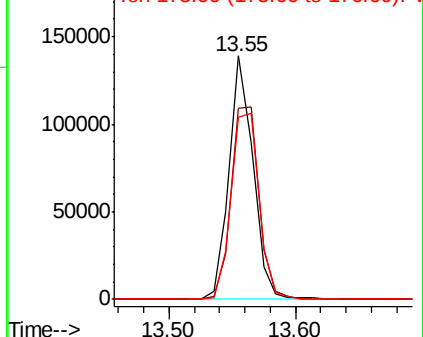
176 75.0 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062405.D

Acq: 15 May 2019 23:08

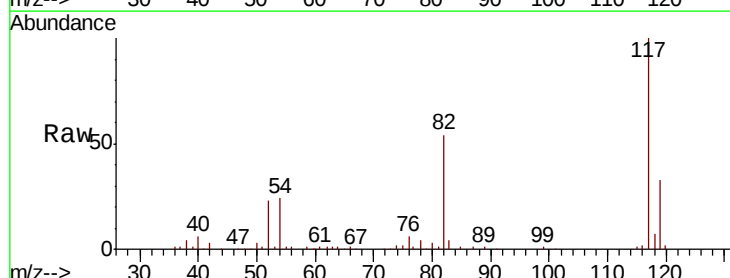
Tgt Ion: 117 Resp: 497249

Ion Ratio Lower Upper

117 100

82 53.9 36.2 54.2

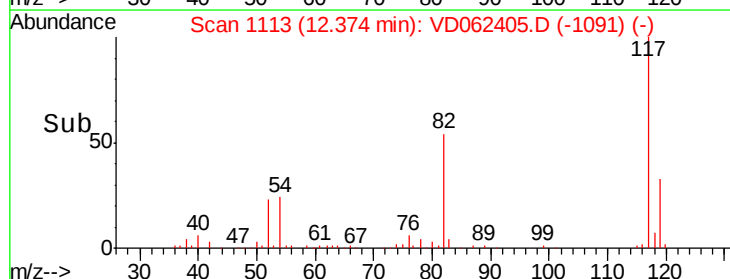
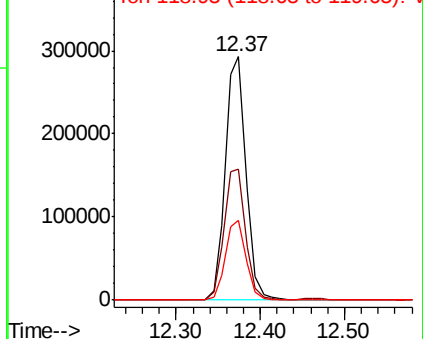
119 32.8 26.2 39.4

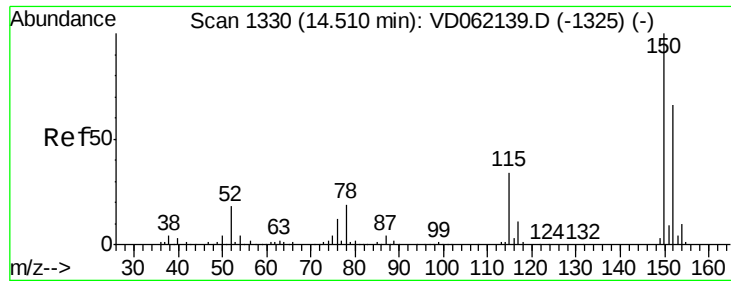


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062405.D

Acq: 15 May 2019 23:08

Instrument :

MSVOA_D

ClientSampleId :

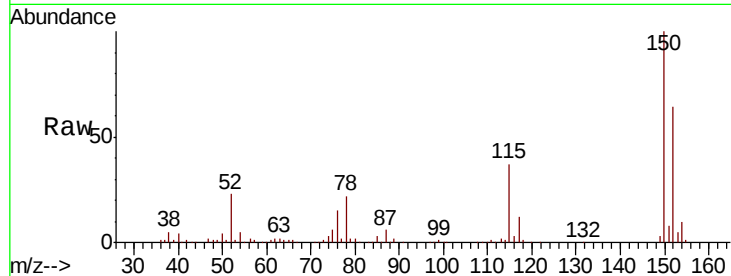
Tot Ion:152 Resp: 201040

Ion Ratio Lower Upper

152 100

115 58.1 30.9 92.7

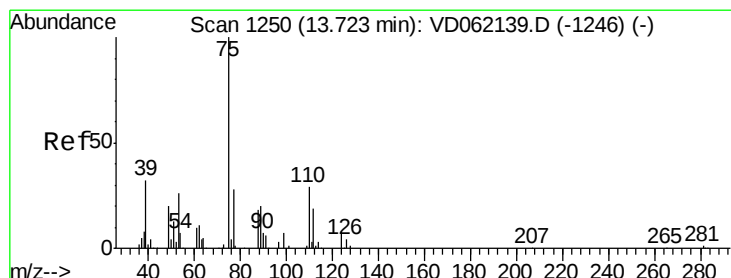
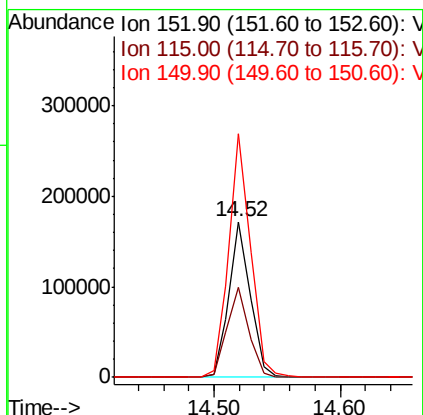
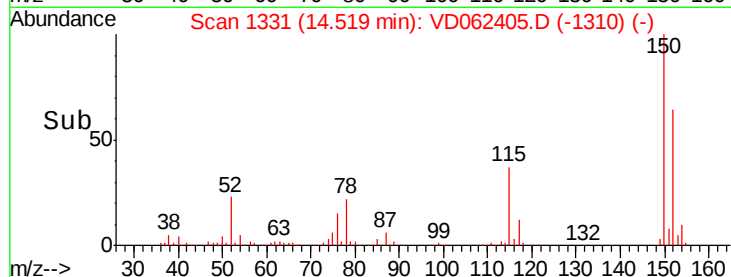
150 156.4 0.0 314.8



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: 28.487 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062405.D

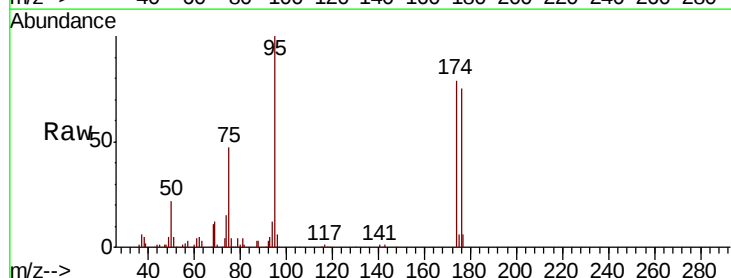
Acq: 15 May 2019 23:08

Tgt Ion: 75 Resp: 68062

Ion Ratio Lower Upper

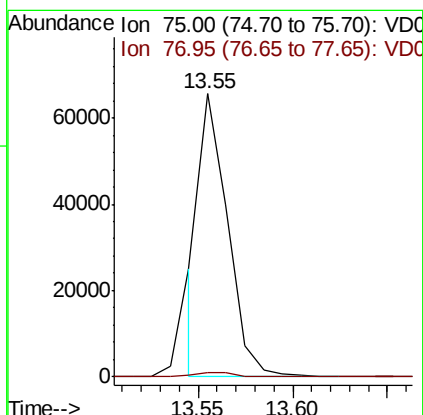
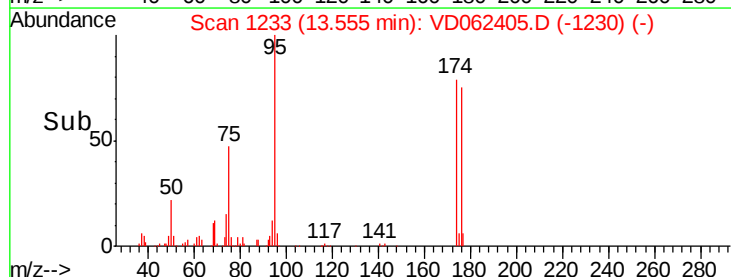
75 100

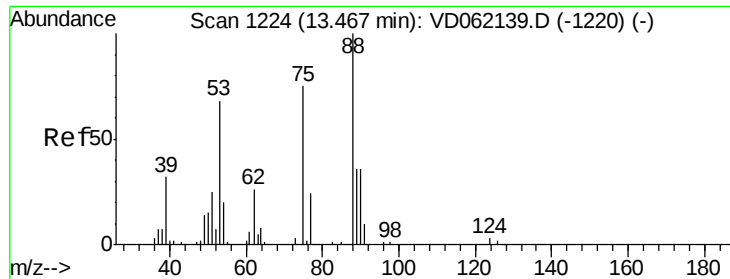
77 1.4 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

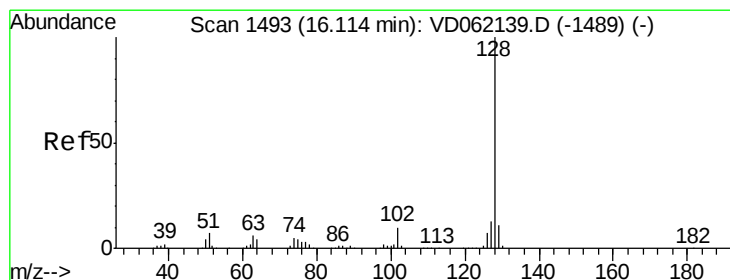
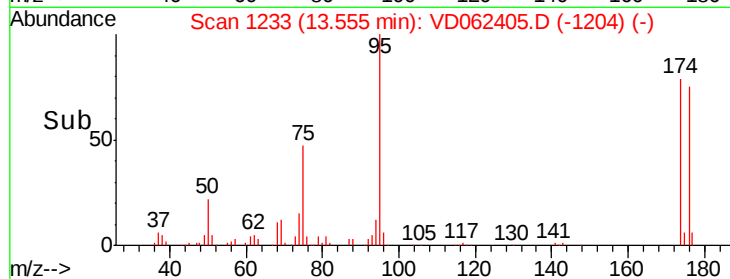
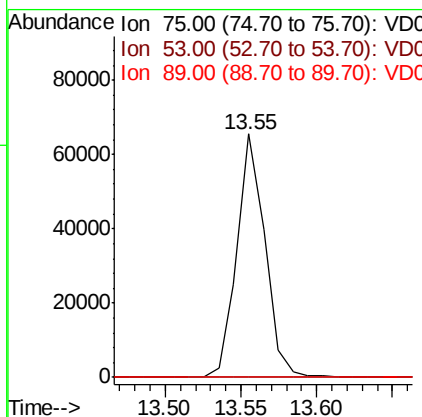
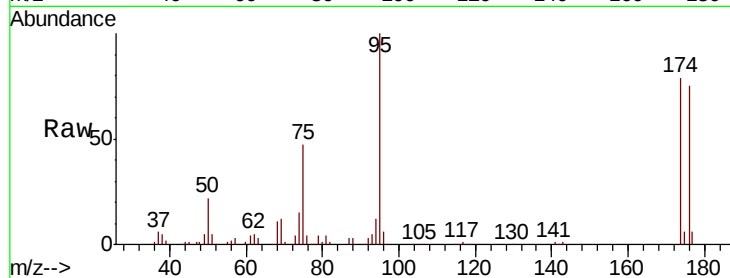




#81
trans-1,4-Dichloro-2-butene
Concen: 124.901 ug/l
RT: 13.55 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD062405.D
Acq: 15 May 2019 23:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	75	Resp	84244
Ion Ratio	Lower	Upper	
75	100		
53	0.0	65.8	98.8#
89	0.0	35.0	52.6#



#95
Naphthalene
Concen: 1.843 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062405.D
Acq: 15 May 2019 23:08

Tgt Ion	128	Resp	9507
Ion Ratio	Lower	Upper	
128	100		
127	7.7	9.8	14.8#
129	9.7	8.8	13.2

