

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092519\
 Data File : VX012654.D
 Acq On : 25 Sep 2019 12:21
 Operator : JC/SP
 Sample : K5013-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0518

Quant Time: Sep 25 23:35:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

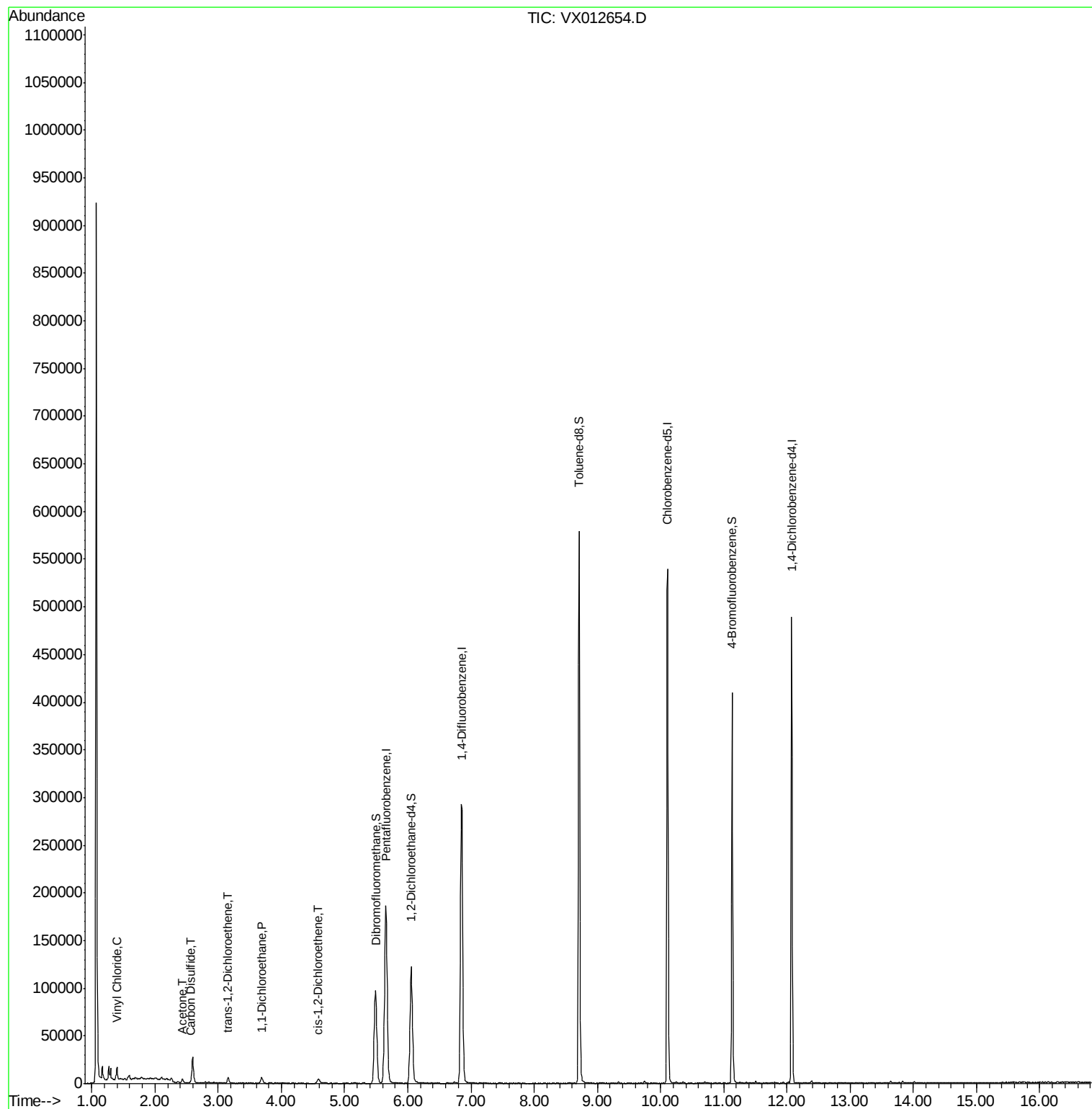
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	287865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87976	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	118802	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
35) Dibromofluoromethane	5.49	113	86174	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.54%	
50) Toluene-d8	8.71	98	337220	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.14	95	116202	44.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.52%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	4241	2.034	ug/l #	87
16) Acetone	2.44	43	4533	3.619	ug/l	94
17) Carbon Disulfide	2.56	76	1529	0.312	ug/l #	94
21) trans-1,2-Dichloroethene	3.16	96	2132	1.102	ug/l #	83
24) 1,1-Dichloroethane	3.69	63	6382	1.754	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	2831	1.261	ug/l	84

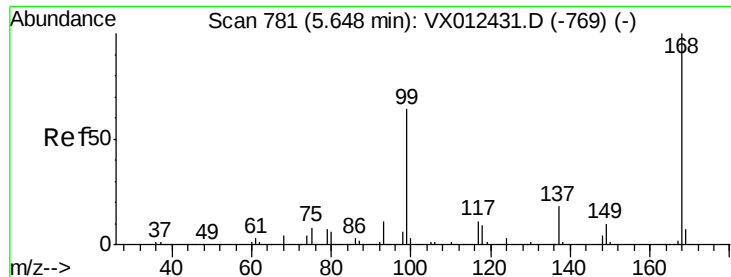
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012654.D

Acq: 25 Sep 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

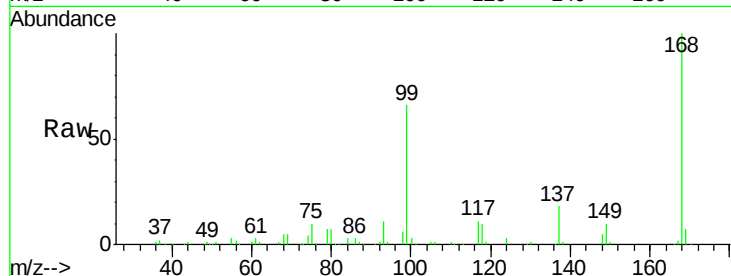
S49-0518

Tot Ion:168 Resp: 162403

Ion Ratio Lower Upper

168 100

99 65.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

40000

20000

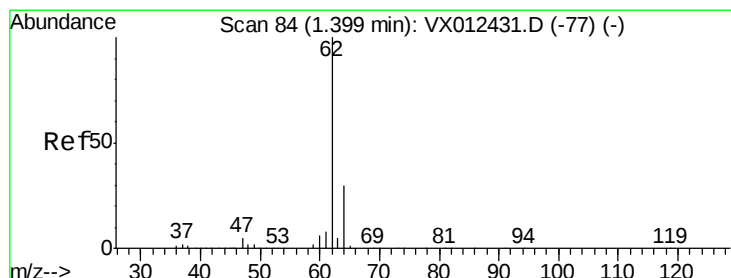
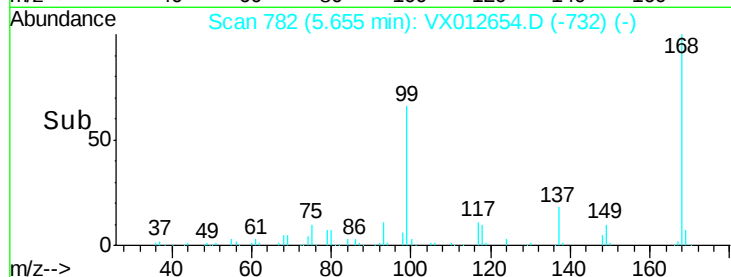
0

5.50

5.60

5.70

Time-->



#4

Vinyl Chloride

Concen: 2.034 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012654.D

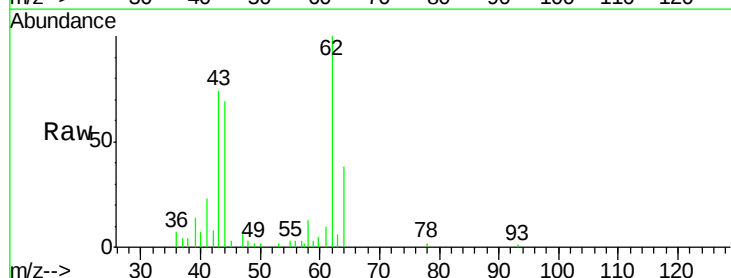
Acq: 25 Sep 2019 12:21

Tgt Ion: 62 Resp: 4241

Ion Ratio Lower Upper

62 100

64 37.0 24.2 36.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

4000

3000

2000

1000

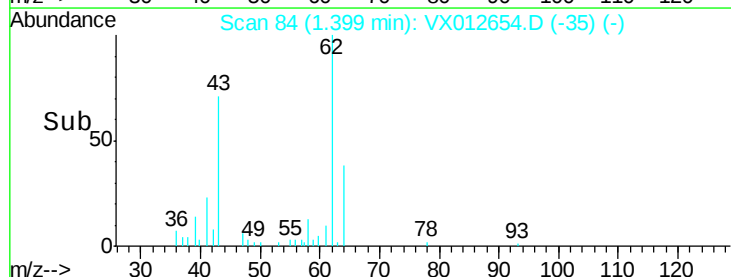
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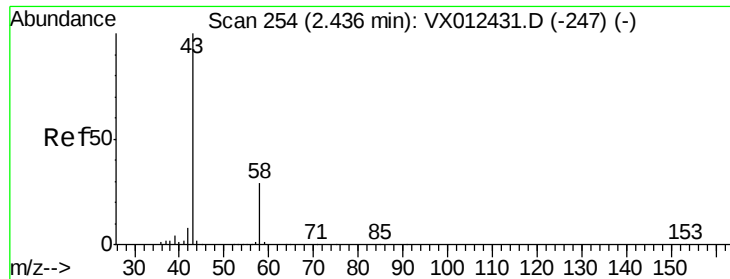
1.35

1.40

1.45

Time-->





#16

Acetone

Concen: 3.619 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012654.D

Acq: 25 Sep 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

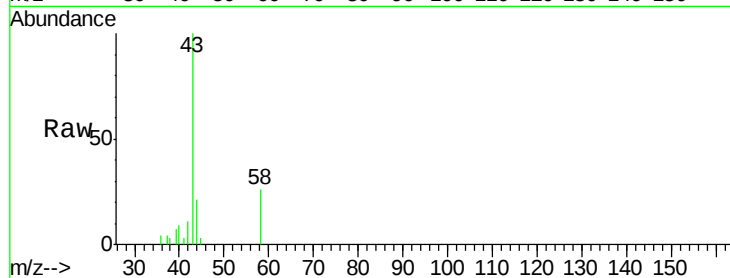
S49-0518

Tot Ion: 43 Resp: 4533

Ion Ratio Lower Upper

43 100

58 25.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

2500

2000

1500

1000

500

0

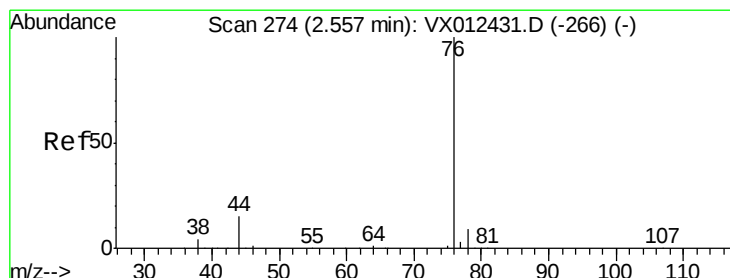
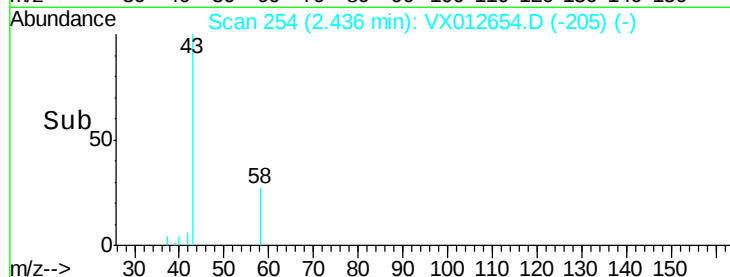
Time-->

2.35

2.40

2.45

2.50



#17

Carbon Disulfide

Concen: 0.312 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012654.D

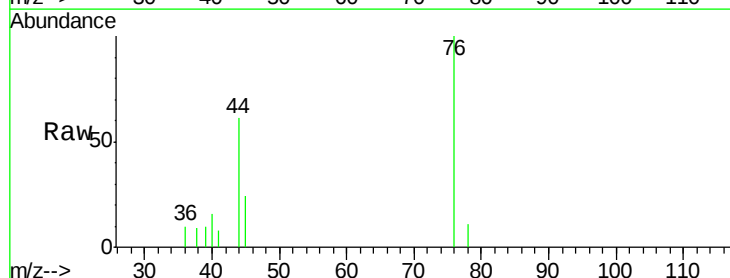
Acq: 25 Sep 2019 12:21

Tgt Ion: 76 Resp: 1529

Ion Ratio Lower Upper

76 100

78 11.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

1000

800

600

400

200

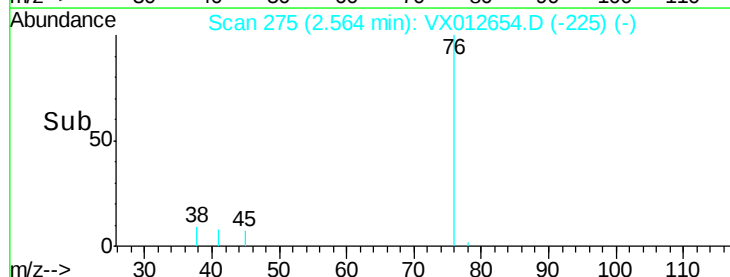
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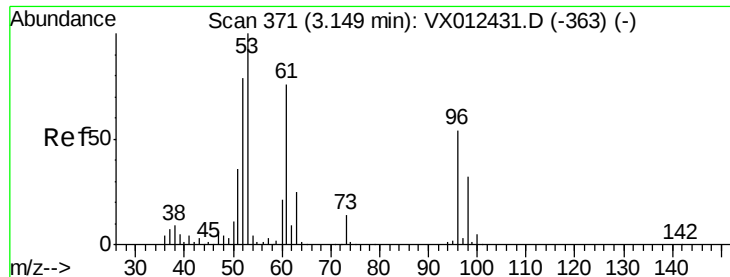
Time-->

2.50

2.55

2.60





#21

trans-1,2-Dichloroethene

Concen: 1.102 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012654.D

Acq: 25 Sep 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

S49-0518

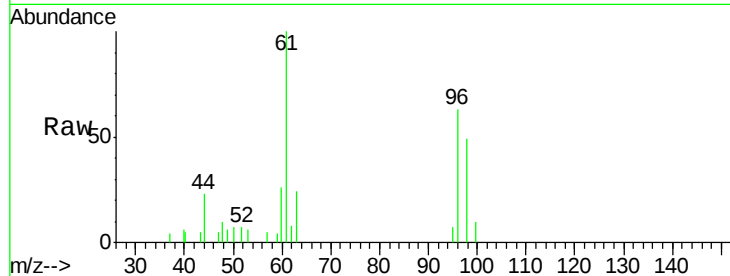
Tot Ion: 96 Resp: 2132

Ion Ratio Lower Upper

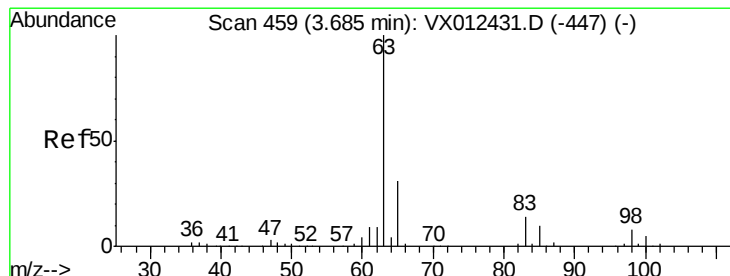
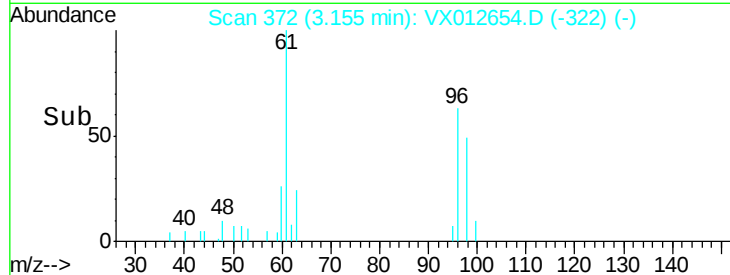
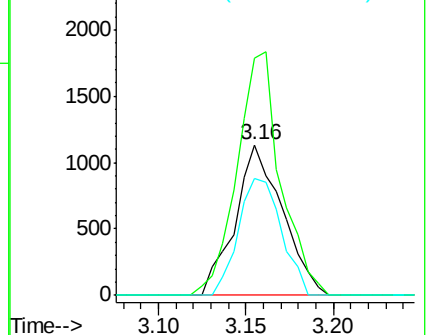
96 100

61 158.0 112.0 168.0

98 77.3 47.8 71.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#24

1,1-Dichloroethane

Concen: 1.754 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012654.D

Acq: 25 Sep 2019 12:21

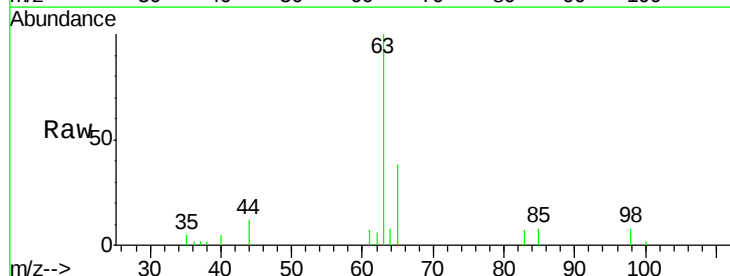
Tgt Ion: 63 Resp: 6382

Ion Ratio Lower Upper

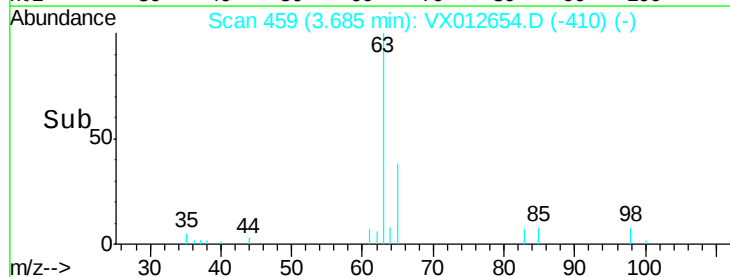
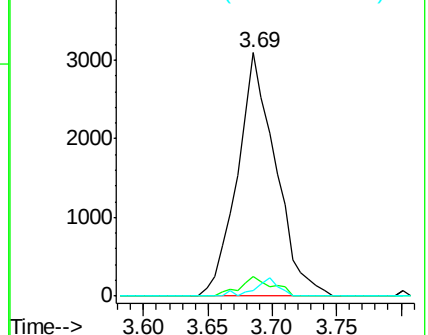
63 100

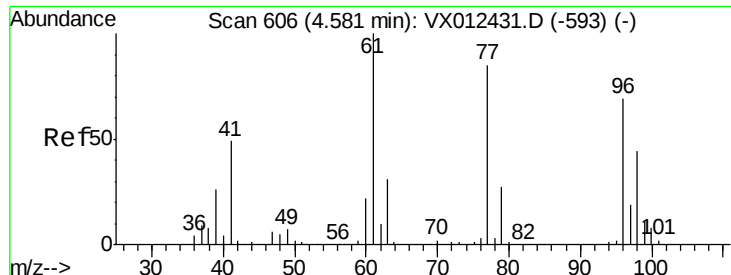
98 8.0 3.9 11.7

100 2.4 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



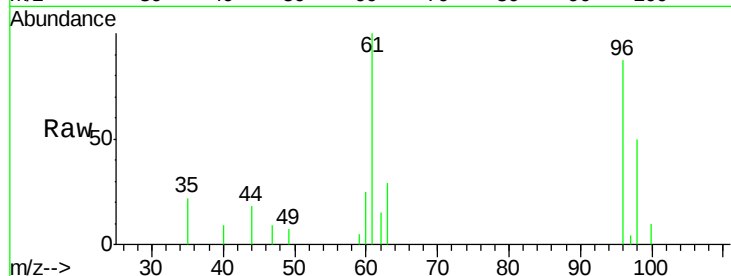


#27

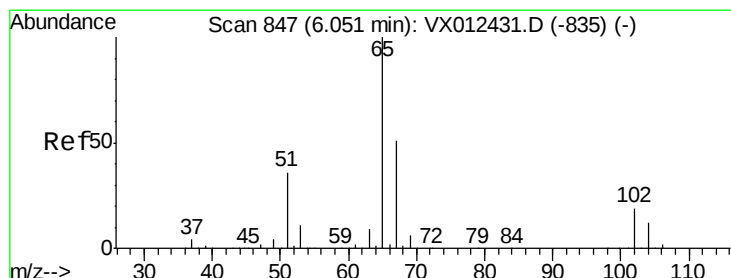
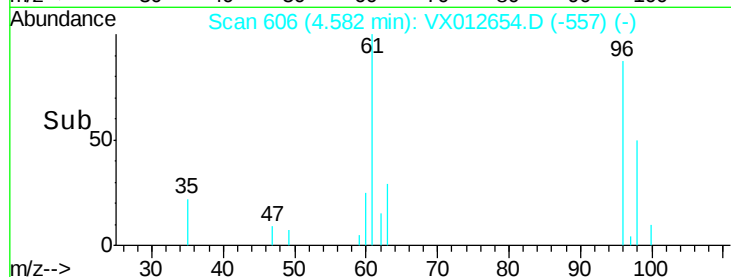
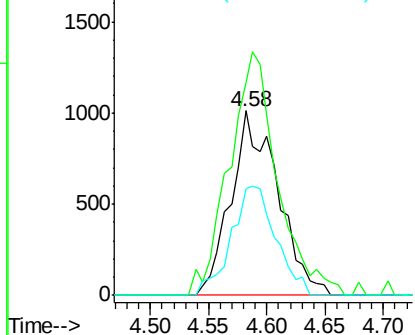
cis-1,2-Dichloroethene
Concen: 1.261 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012654.D
Acq: 25 Sep 2019 12:21

Instrument :
MSVOA_X
ClientSampleId :
S49-0518

Tot Ion: 96 Resp: 2831
Ion Ratio Lower Upper
96 100
61 136.0 0.0 319.4
98 56.5 0.0 130.6



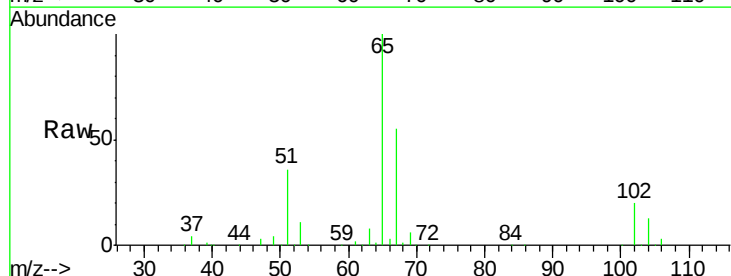
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



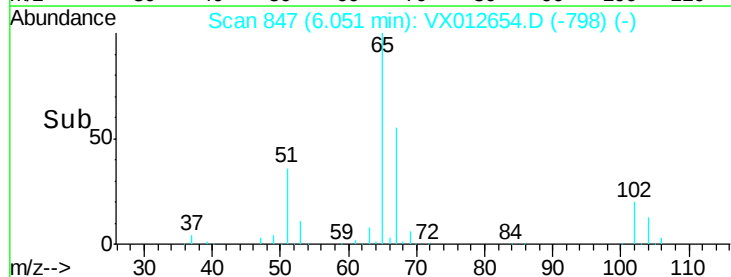
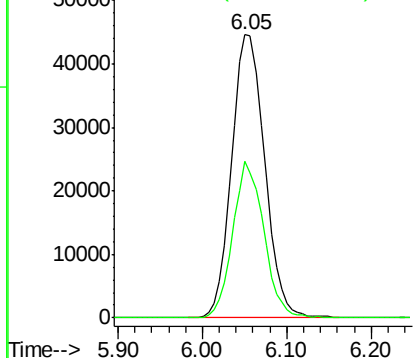
#33

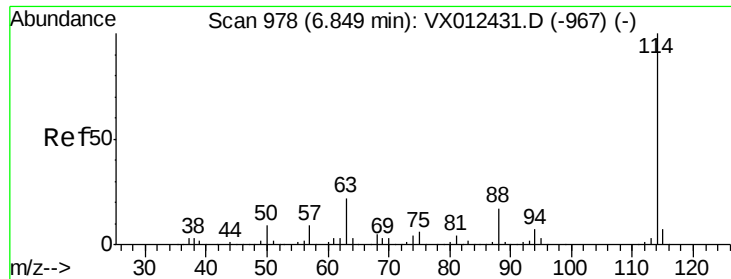
1,2-Dichloroethane-d4
Concen: 50.235 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012654.D
Acq: 25 Sep 2019 12:21

Tgt Ion: 65 Resp: 118802
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

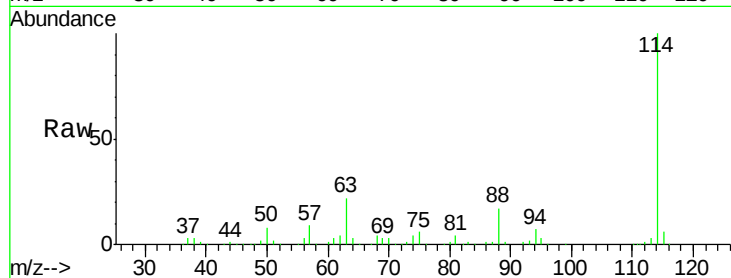




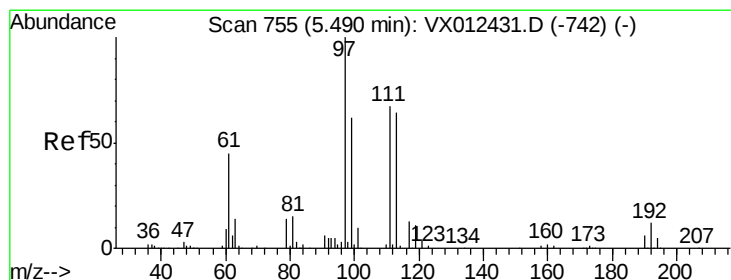
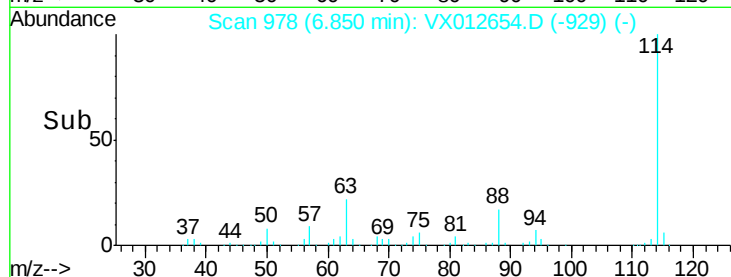
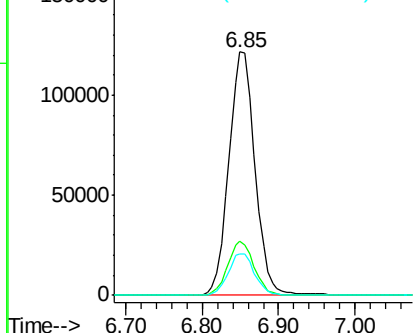
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012654.D
 Acq: 25 Sep 2019 12:21

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0518

Tot Ion:114 Resp: 287865
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 17.1 0.0 33.2

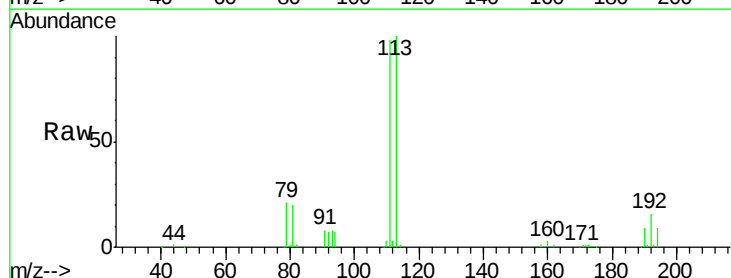


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

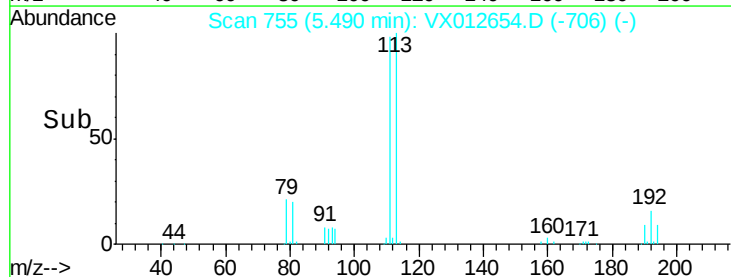
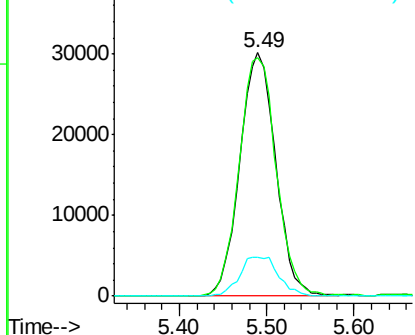


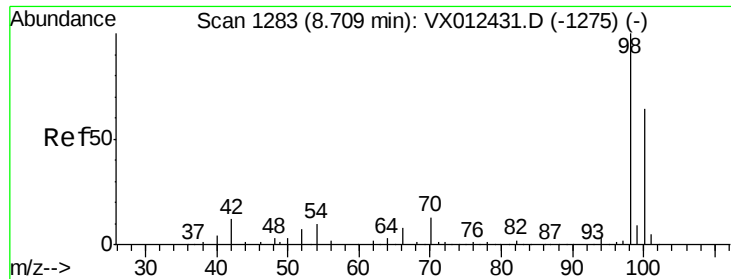
#35
 Dibromofluoromethane
 Concen: 50.266 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012654.D
 Acq: 25 Sep 2019 12:21

Tgt Ion:113 Resp: 86174
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.4 125.2
 192 17.5 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.078 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012654.D

Acq: 25 Sep 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

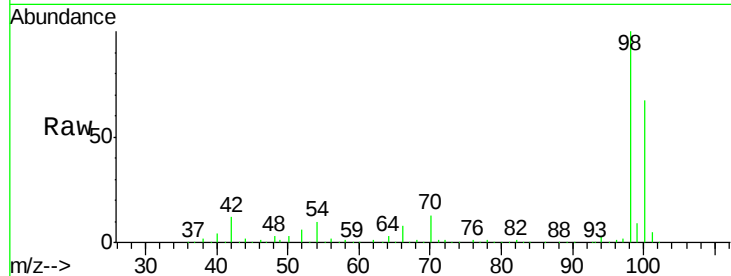
S49-0518

Tot Ion: 98 Resp: 337220

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

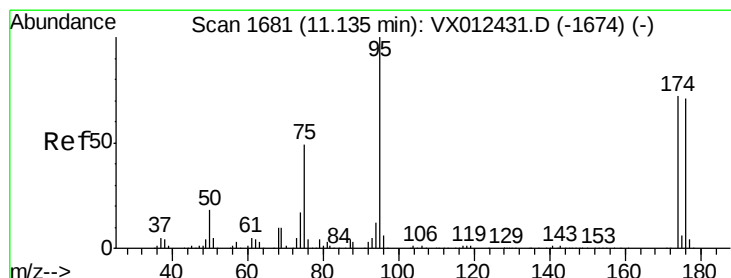
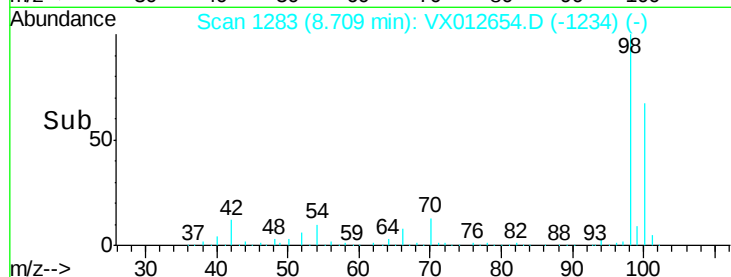
100000

50000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.762 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012654.D

Acq: 25 Sep 2019 12:21

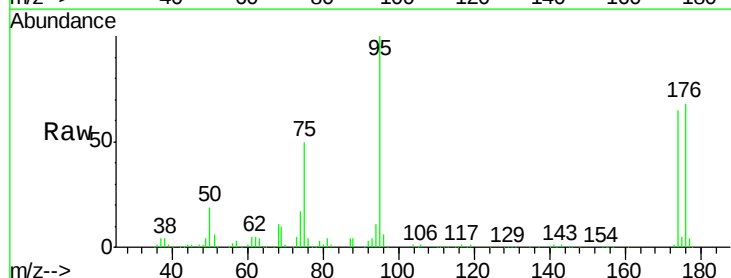
Tgt Ion: 95 Resp: 116202

Ion Ratio Lower Upper

95 100

174 65.4 0.0 140.0

176 64.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

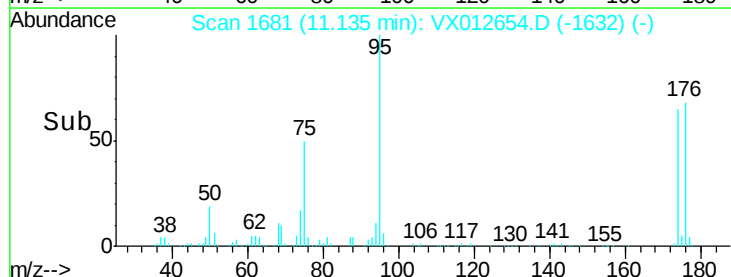
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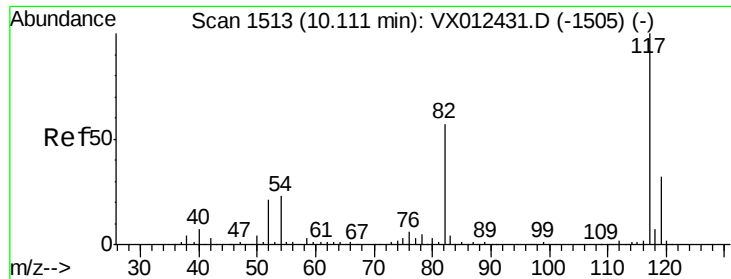
20000

0

11.10 11.20

Time-->

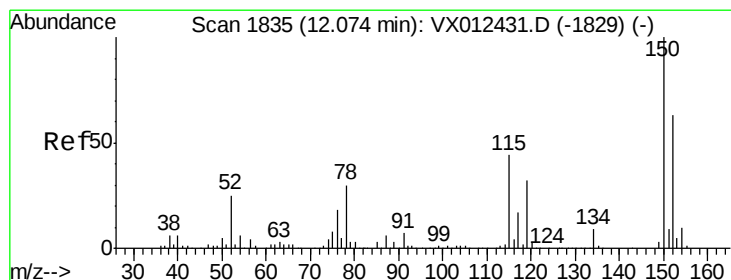
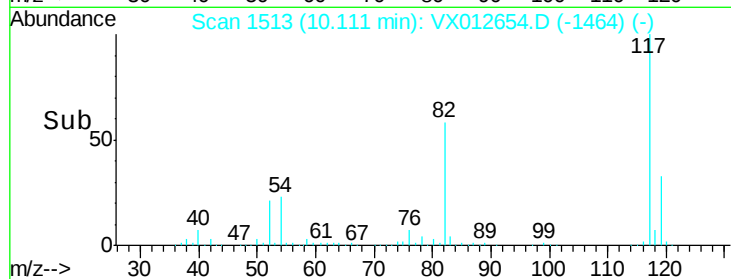
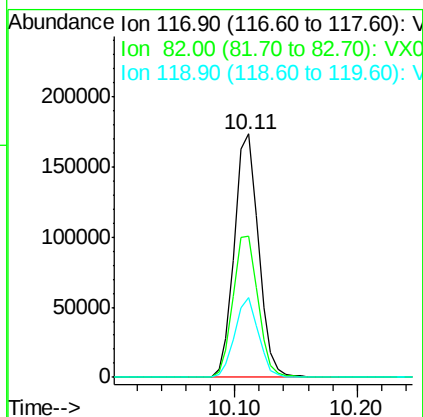
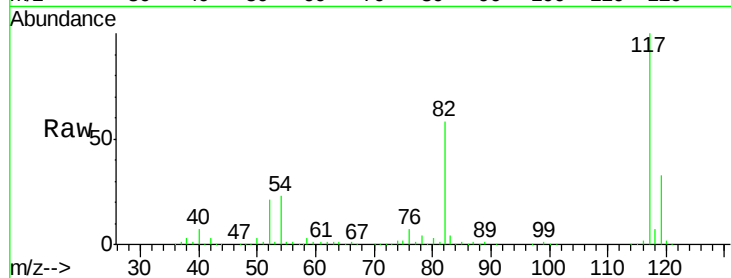




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012654.D
Acq: 25 Sep 2019 12:21

Instrument :
MSVOA_X
ClientSampleId :
S49-0518

Tot Ion:117 Resp: 237400
Ion Ratio Lower Upper
117 100
82 57.9 45.9 68.9
119 32.7 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012654.D
Acq: 25 Sep 2019 12:21

Tgt Ion:152 Resp: 87976
Ion Ratio Lower Upper
152 100
115 67.0 44.1 132.3
150 162.0 0.0 343.8

