

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092619\
 Data File : VX012674.D
 Acq On : 26 Sep 2019 15:16
 Operator : JC/SP
 Sample : K5048-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0526

Quant Time: Sep 26 23:34:24 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	174126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87893	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	130215	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.49	113	92775	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	8.71	98	360302	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.14	95	121238	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	

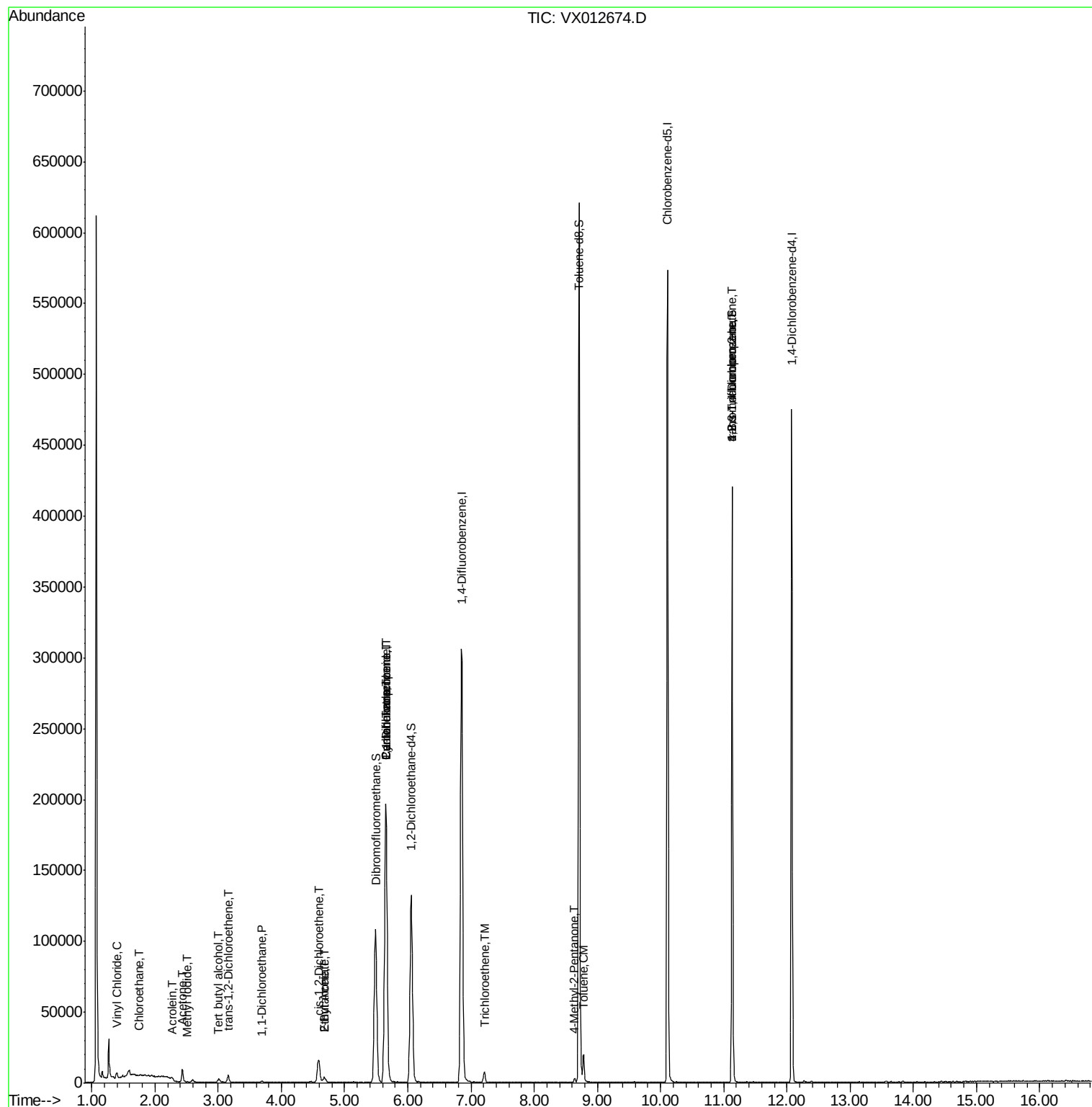
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2424	1.084	ug/l	93
6) Chloroethane	1.73	64	403	0.267	ug/l #	45
10) Methyl Iodide	2.50	142	126	5.009	ug/l #	35
11) Tert butyl alcohol	3.01	59	1876	2.962	ug/l #	72
13) Acrolein	2.28	56	156	10.657	ug/l #	26
16) Acetone	2.43	43	9383	6.986	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	2283	1.101	ug/l #	93
24) 1,1-Dichloroethane	3.69	63	1379	0.353	ug/l #	81
25) 2-Butanone	4.67	43	4181	2.171	ug/l #	87
27) cis-1,2-Dichloroethene	4.58	96	10347	4.299	ug/l	88
31) Cyclohexane	5.65	56	4049	1.147	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15484	5.329	ug/l #	51
37) Ethyl Acetate	4.67	43	4181	1.231	ug/l #	69
38) Carbon Tetrachloride	5.65	117	19525	6.615	ug/l #	17
44) Trichloroethene	7.21	130	2798	1.280	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2283	0.651	ug/l	92
52) Toluene	8.78	92	6954	1.294	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	62693	26.965	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	62693	77.275	ug/l #	8

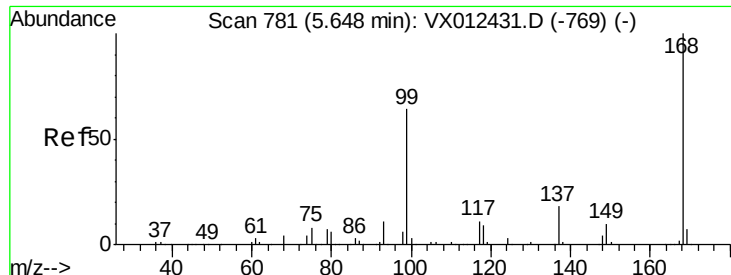
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
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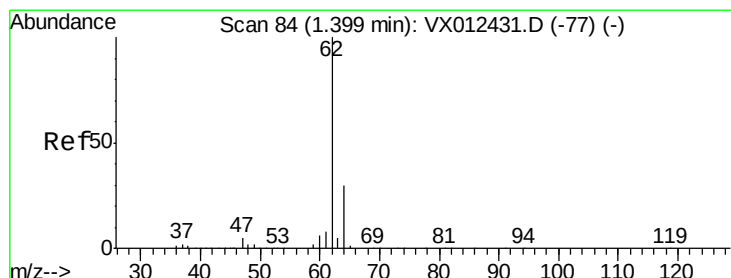
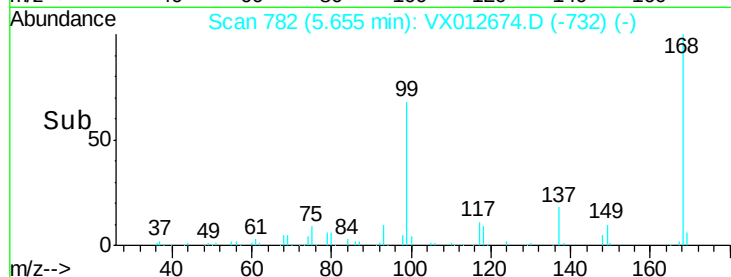
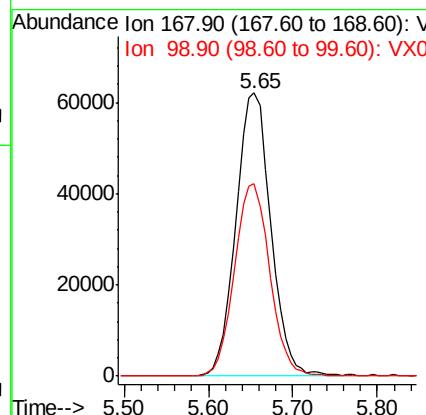
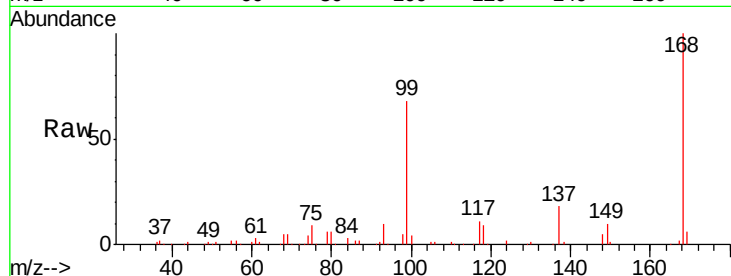




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012674.D
Acq: 26 Sep 2019 15:16

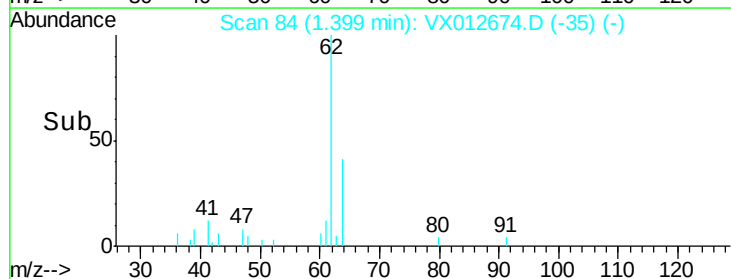
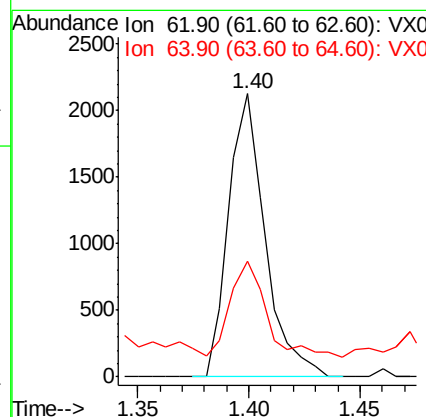
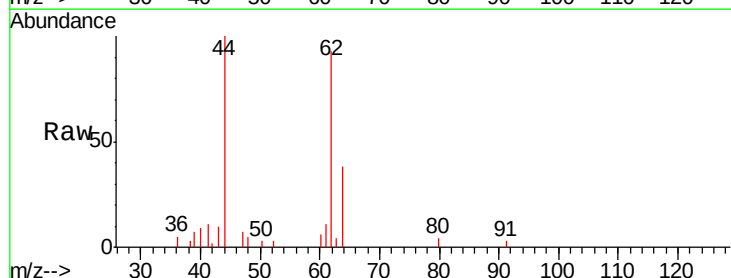
Instrument :
MSVOA_X
ClientSampleId :
S49-0526

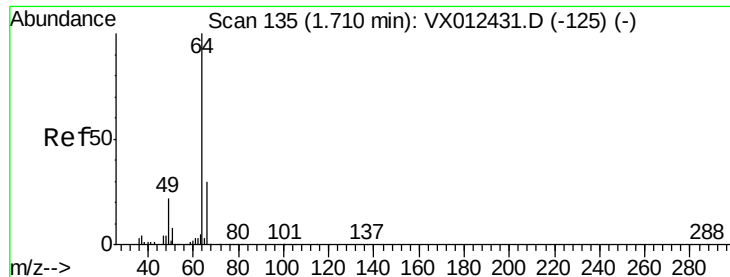
Tgt Ion: 168 Resp: 174126
Ion Ratio Lower Upper
168 100
99 67.8 51.4 77.2



#4
Vinyl Chloride
Concen: 1.084 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX012674.D
Acq: 26 Sep 2019 15:16

Tgt Ion: 62 Resp: 2424
Ion Ratio Lower Upper
62 100
64 34.0 24.2 36.2





#6

Chloroethane

Concen: 0.267 ug/l

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampled :

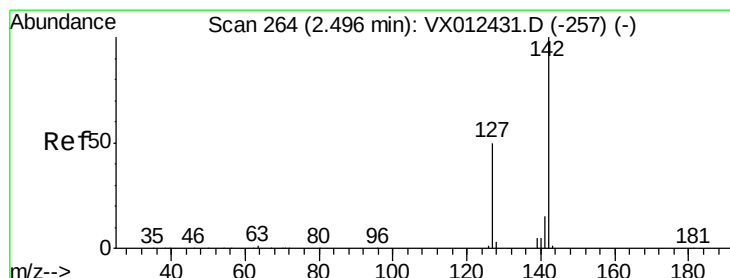
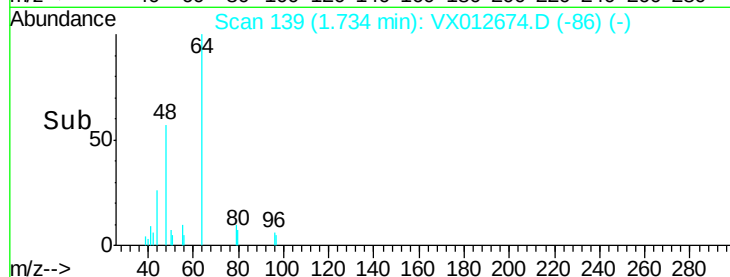
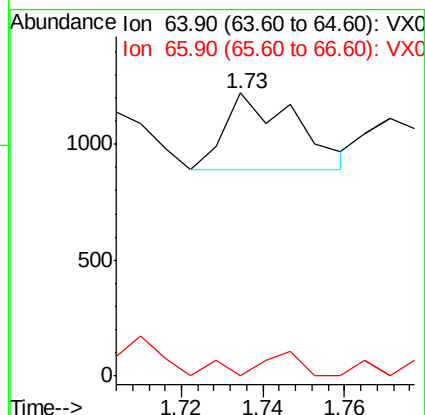
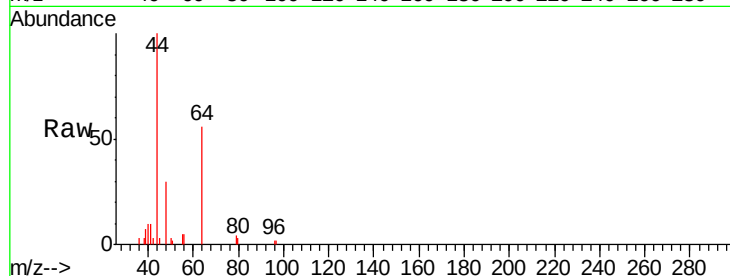
S49-0526

Tgt Ion: 64 Resp: 403

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#10

Methyl Iodide

Concen: 5.009 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

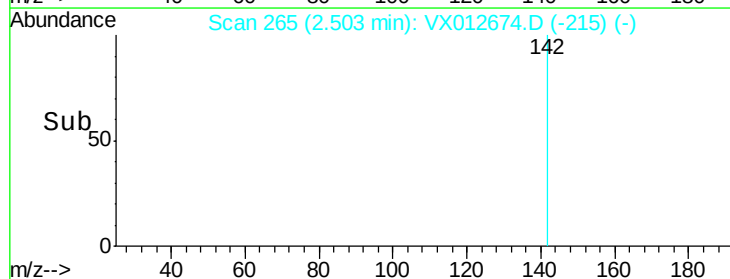
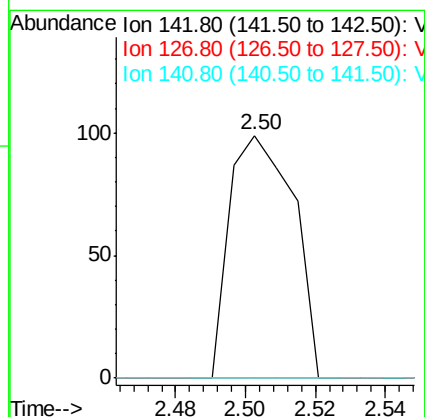
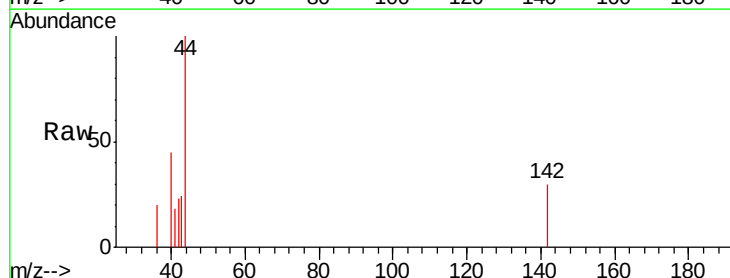
Tgt Ion: 142 Resp: 126

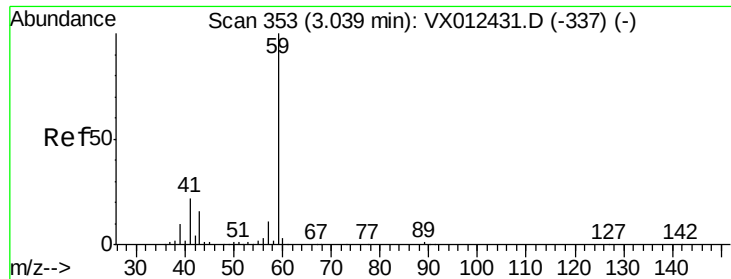
Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#

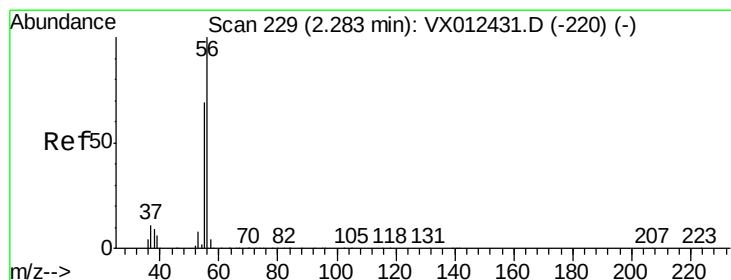
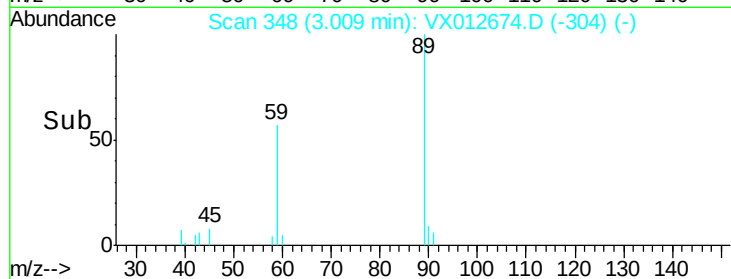
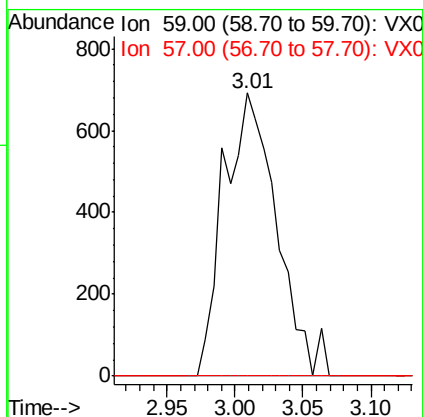
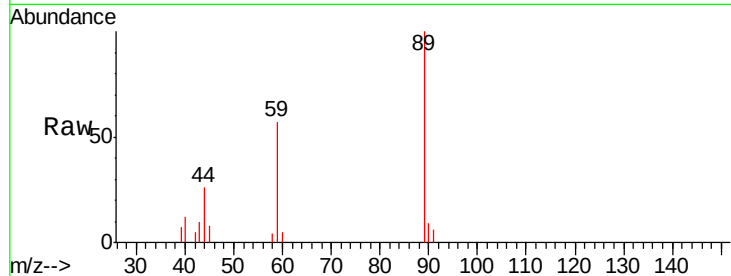




#11
Tert butyl alcohol
Concen: 2.962 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012674.D
Acq: 26 Sep 2019 15:16

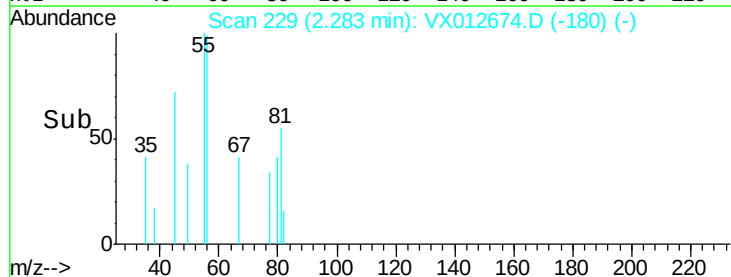
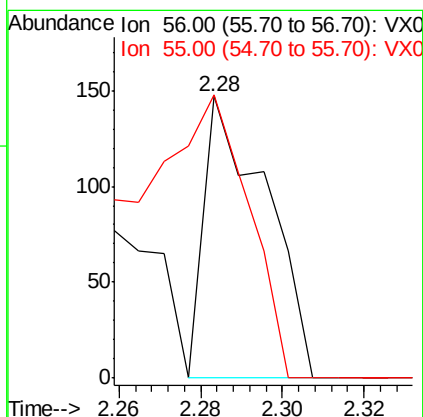
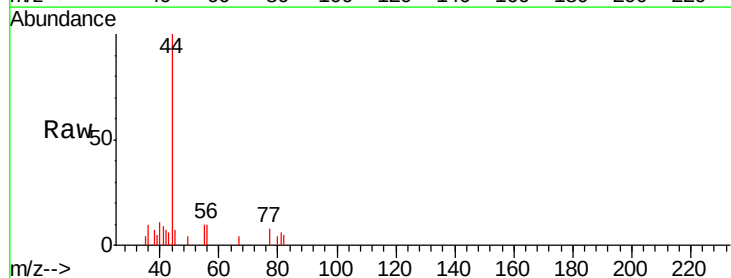
Instrument :
MSVOA_X
ClientSampleId :
S49-0526

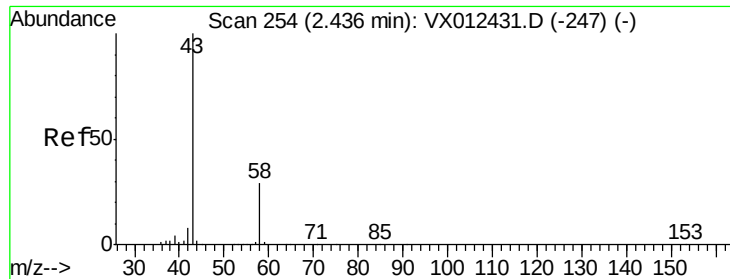
Tgt Ion: 59 Resp: 1876
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 10.657 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012674.D
Acq: 26 Sep 2019 15:16

Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 130.1 55.8 83.8#





#16

Acetone

Concen: 6.986 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

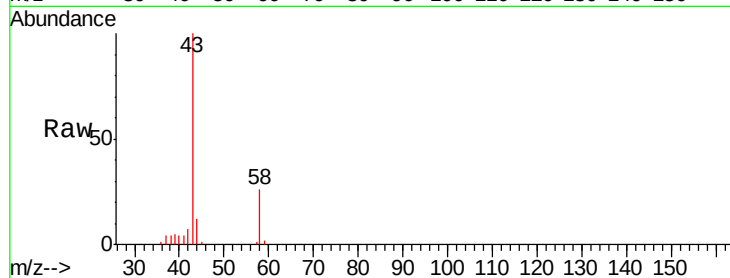
S49-0526

Tgt Ion: 43 Resp: 9383

Ion Ratio Lower Upper

43 100

58 26.2 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

6000

4000

2000

0

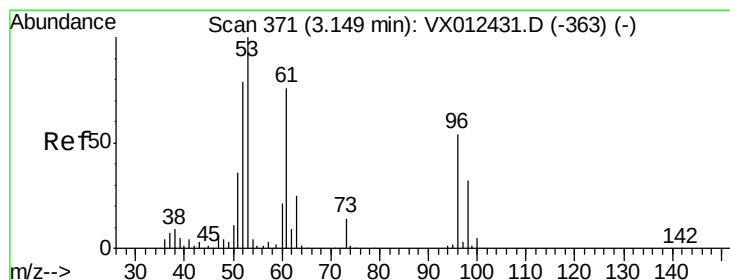
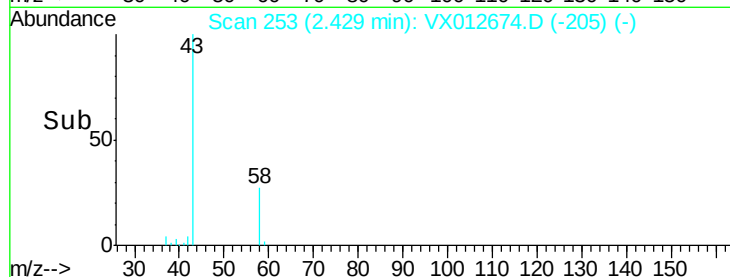
Time-->

2.35

2.40

2.45

2.50



#21

trans-1,2-Dichloroethene

Concen: 1.101 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

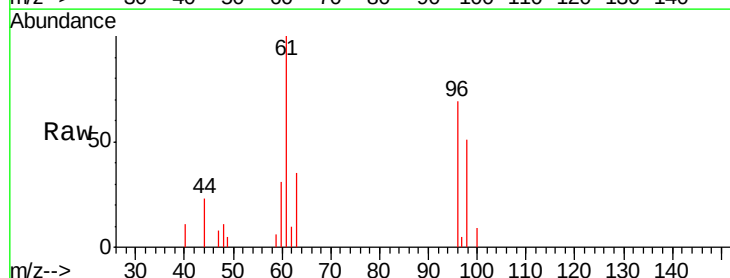
Tgt Ion: 96 Resp: 2283

Ion Ratio Lower Upper

96 100

61 143.9 112.0 168.0

98 72.8 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

2000

1500

1000

500

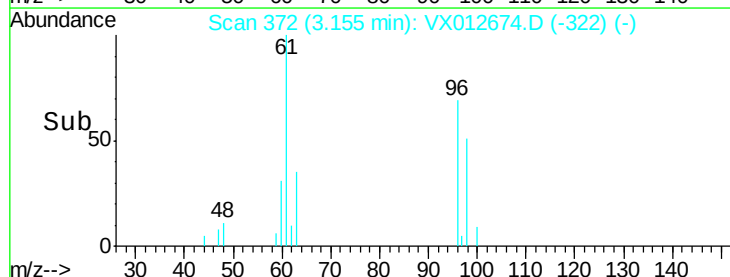
0

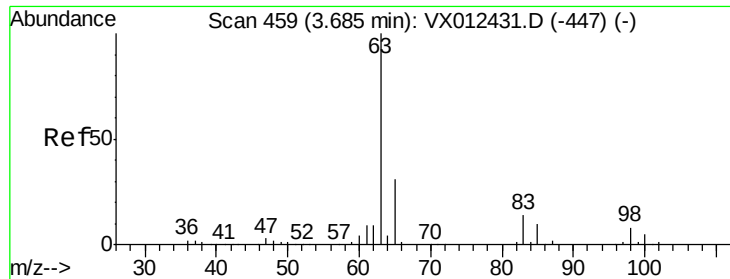
Time-->

3.10

3.15

3.20

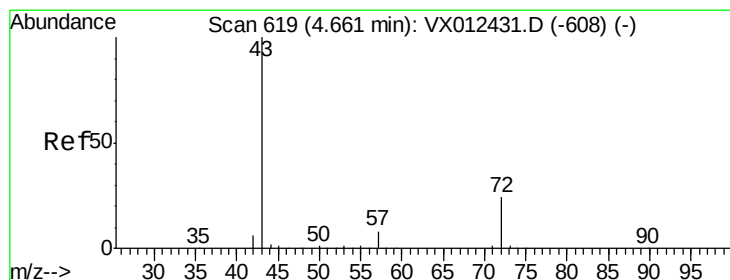
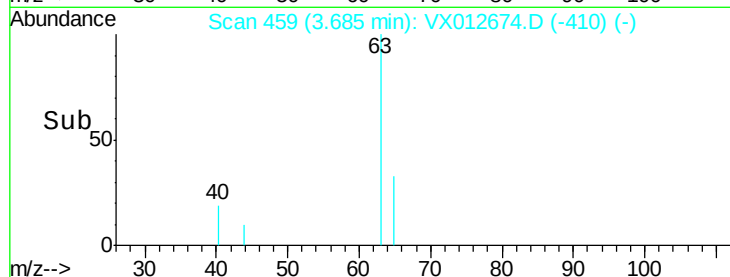
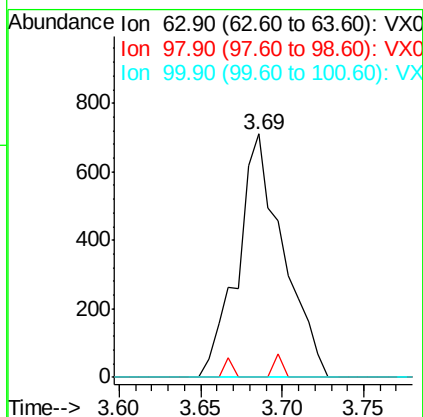
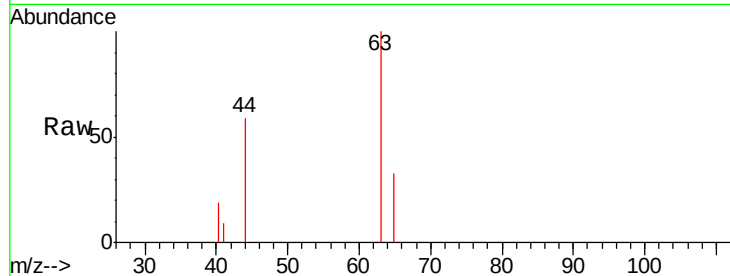




#24
 1,1-Dichloroethane
 Concen: 0.353 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012674.D
 Acq: 26 Sep 2019 15:16

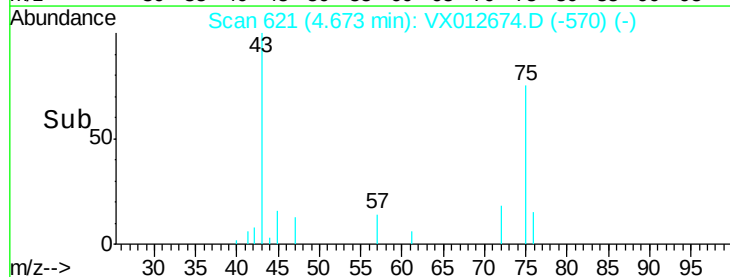
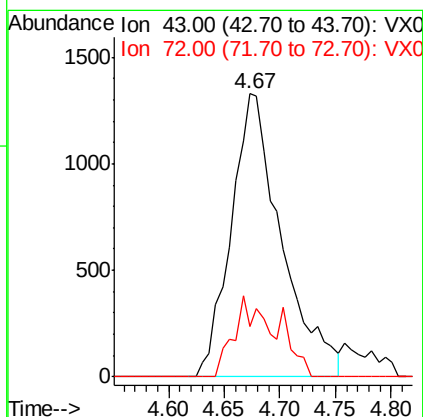
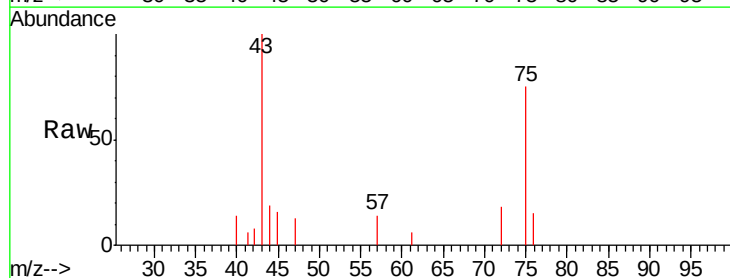
Instrument :
 MSVOA_X
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 S49-0526

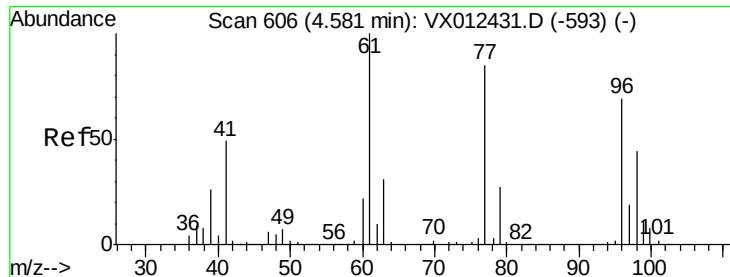
Tgt Ion: 63 Resp: 1379
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.3 6.9#



#25
 2-Butanone
 Concen: 2.171 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VX012674.D
 Acq: 26 Sep 2019 15:16

Tgt Ion: 43 Resp: 4181
 Ion Ratio Lower Upper
 43 100
 72 17.7 19.2 28.8#

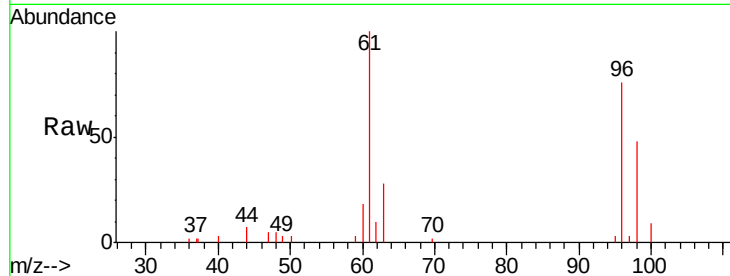




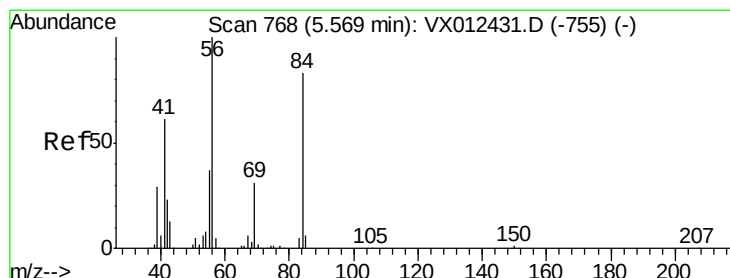
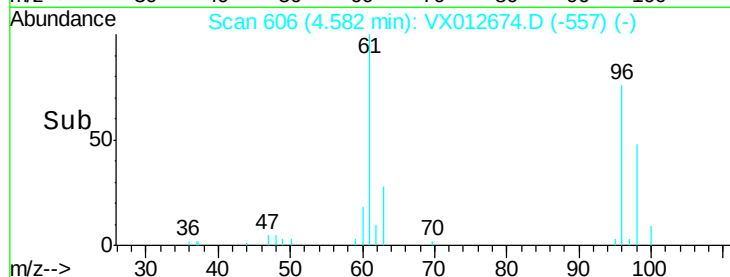
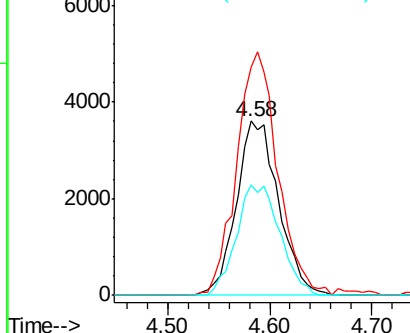
#27
 cis-1,2-Dichloroethene
 Concen: 4.299 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012674.D
 Acq: 26 Sep 2019 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0526

Tgt Ion: 96 Resp: 10347
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 319.4
 98 65.3 0.0 130.6

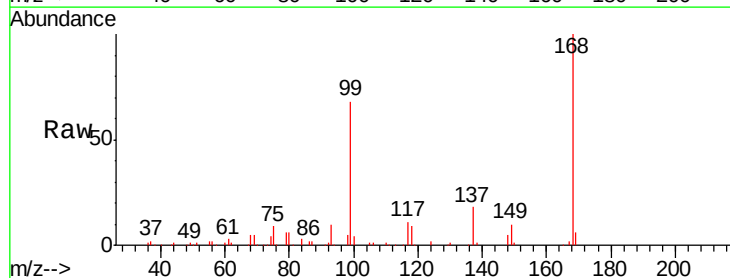


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

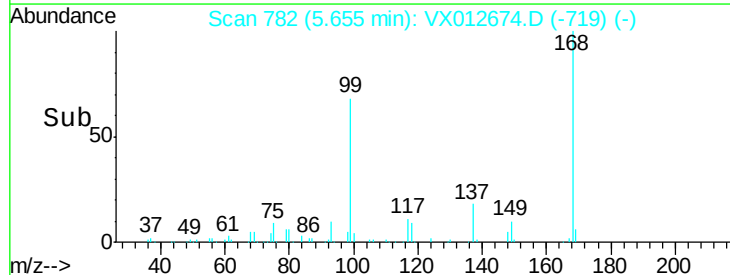
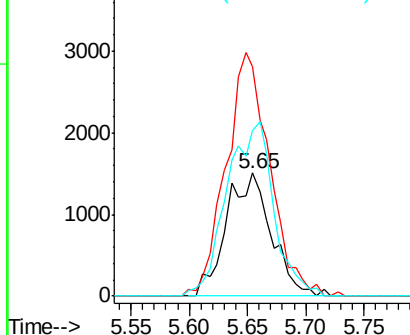


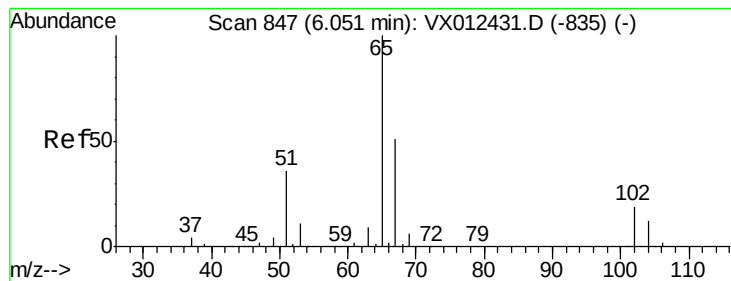
#31
 Cyclohexane
 Concen: 1.147 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012674.D
 Acq: 26 Sep 2019 15:16

Tgt Ion: 56 Resp: 4049
 Ion Ratio Lower Upper
 56 100
 69 183.0 25.0 37.6#
 84 134.1 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.354 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

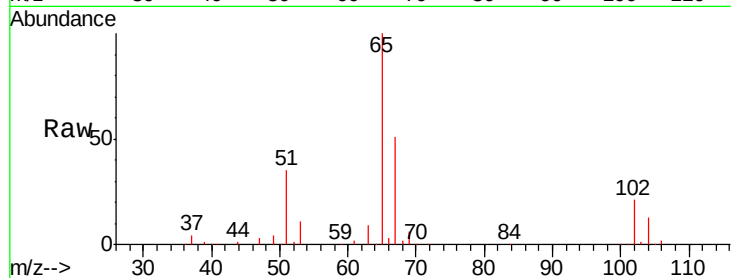
S49-0526

Tgt Ion: 65 Resp: 130215

Ion Ratio Lower Upper

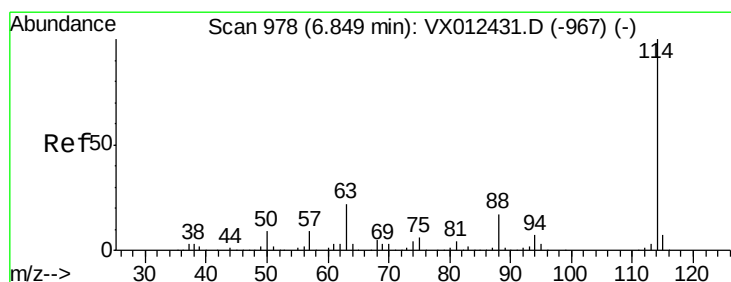
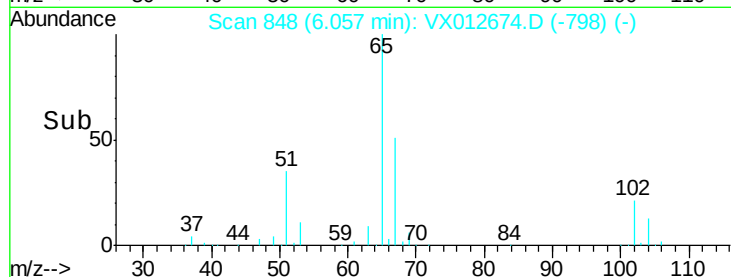
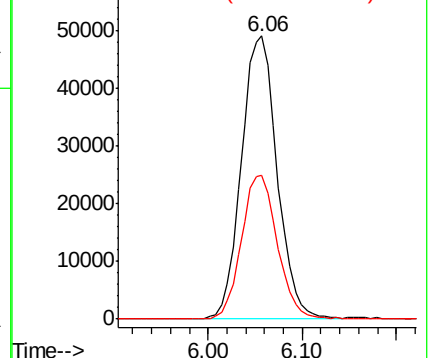
65 100

67 51.1 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: VX012674.D

Acq: 26 Sep 2019 15:16

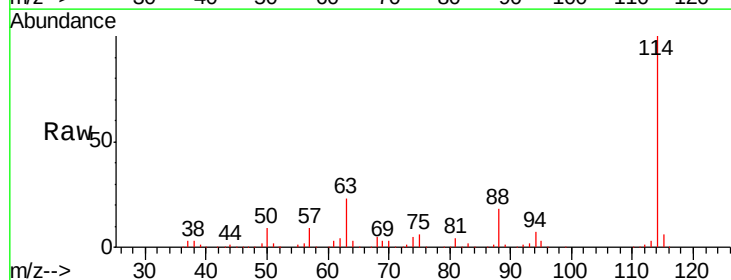
Tgt Ion: 114 Resp: 301468

Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.2

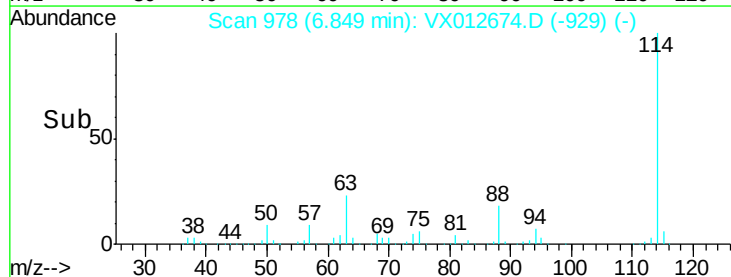
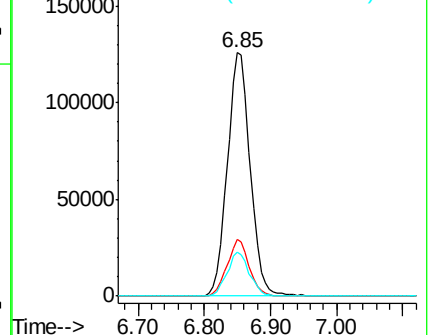
88 17.9 0.0 33.2

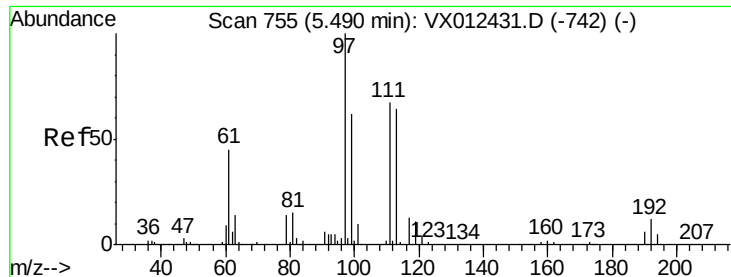


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

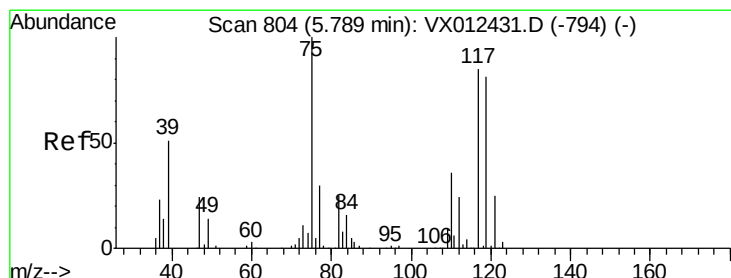
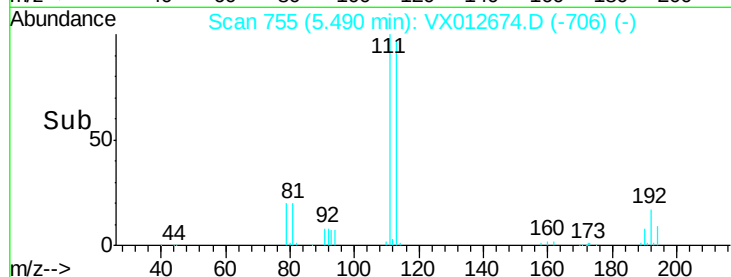
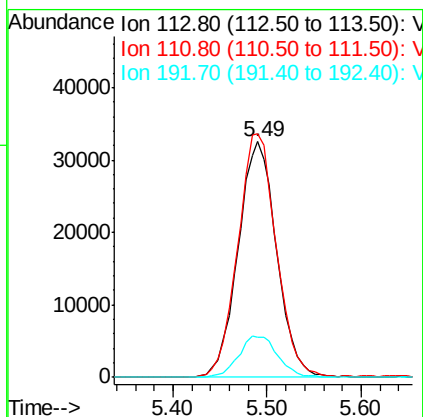
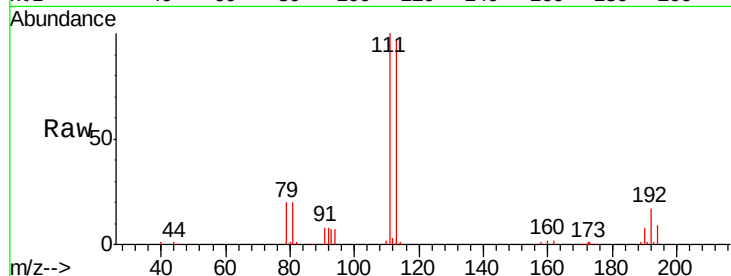




#35
 Dibromofluoromethane
 Concen: 51.675 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012674.D
 Acq: 26 Sep 2019 15:16

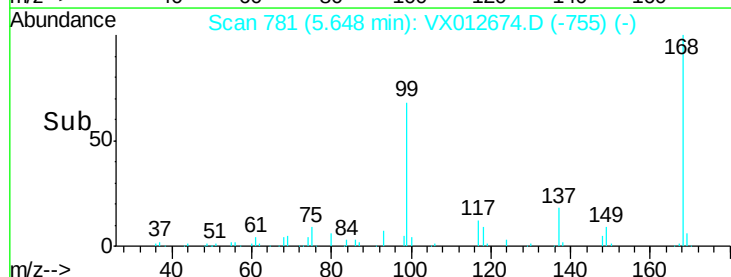
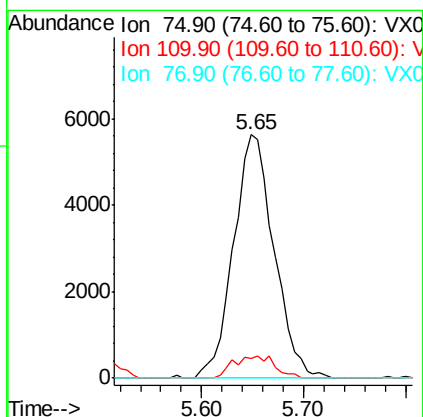
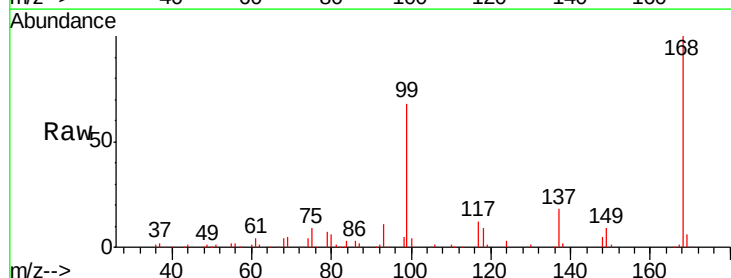
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0526

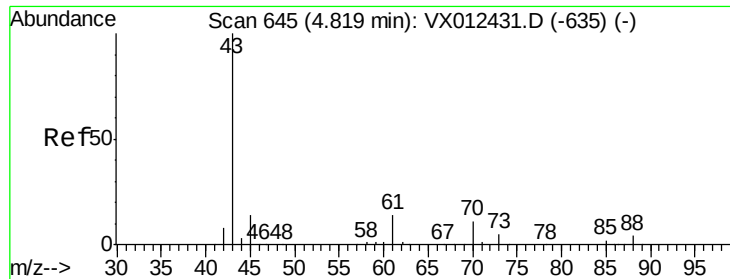
Tgt Ion:113 Resp: 92775
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.4 125.2
 192 17.8 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.329 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012674.D
 Acq: 26 Sep 2019 15:16

Tgt Ion: 75 Resp: 15484
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.7 50.0#
 77 0.0 24.2 36.2#

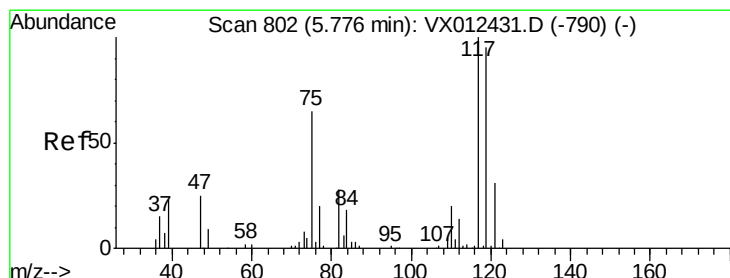
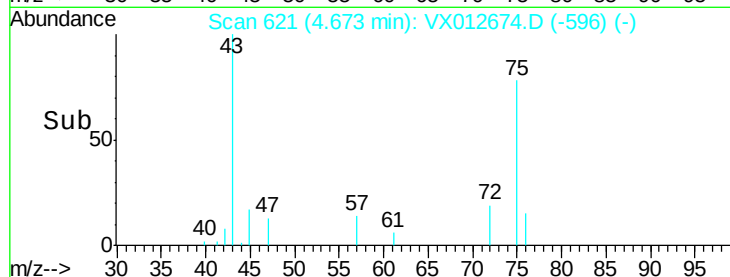
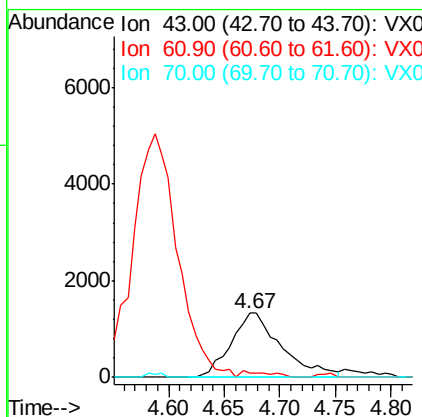
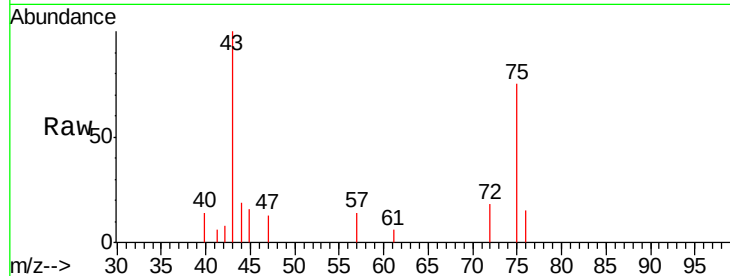




#37
Ethyl Acetate
Concen: 1.231 ug/l
RT: 4.67 min Scan# 621
Delta R.T. -0.15 min
Lab File: VX012674.D
Acq: 26 Sep 2019 15:16

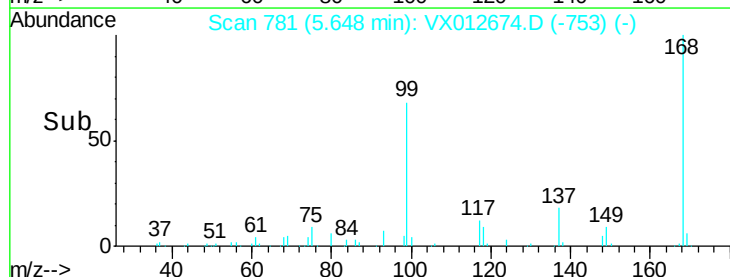
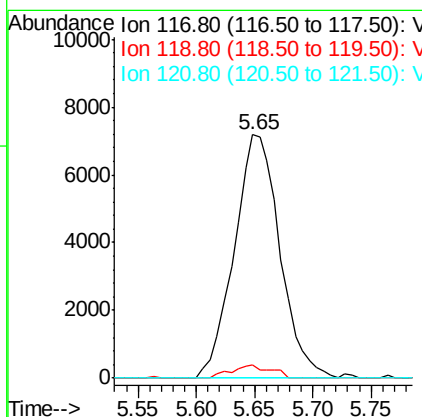
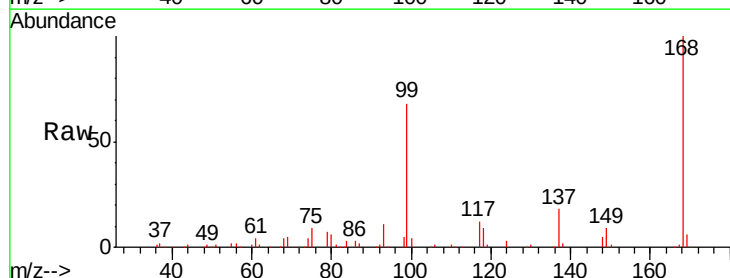
Instrument :
MSVOA_X
ClientSampleId :
S49-0526

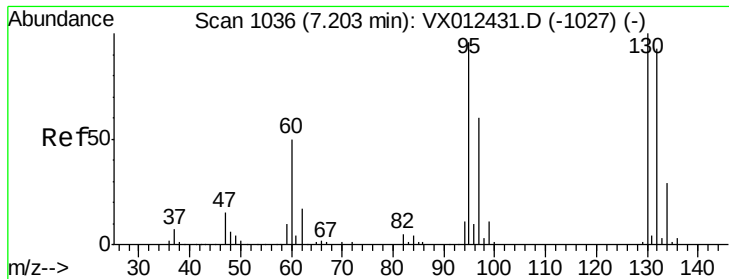
Tgt Ion: 43 Resp: 4181
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.615 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012674.D
Acq: 26 Sep 2019 15:16

Tgt Ion: 117 Resp: 19525
Ion Ratio Lower Upper
117 100
119 5.3 75.7 113.5#
121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 1.280 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

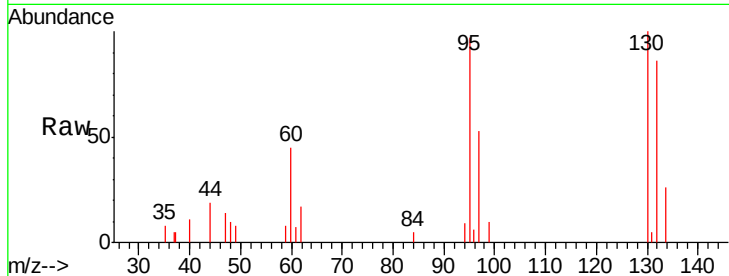
S49-0526

Tgt Ion:130 Resp: 2798

Ion Ratio Lower Upper

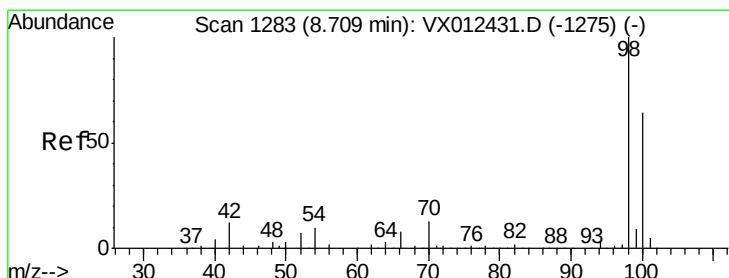
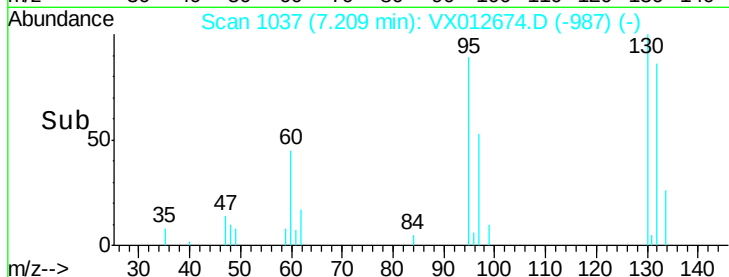
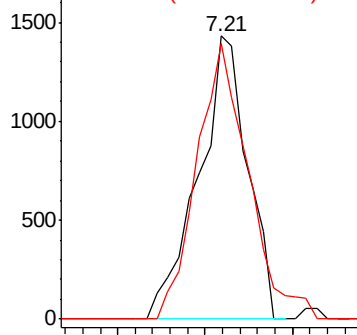
130 100

95 97.2 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.111 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012674.D

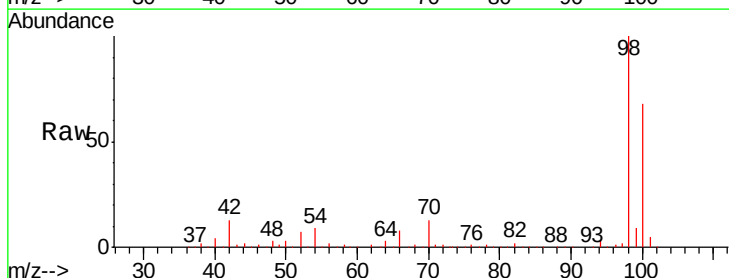
Acq: 26 Sep 2019 15:16

Tgt Ion: 98 Resp: 360302

Ion Ratio Lower Upper

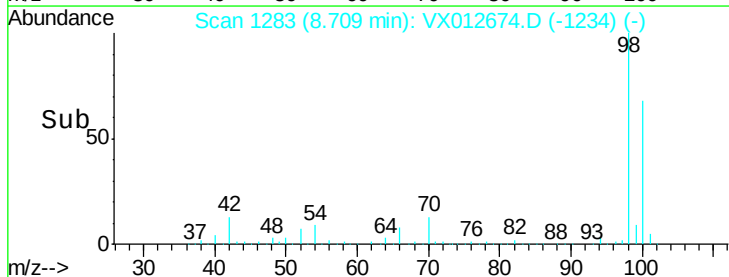
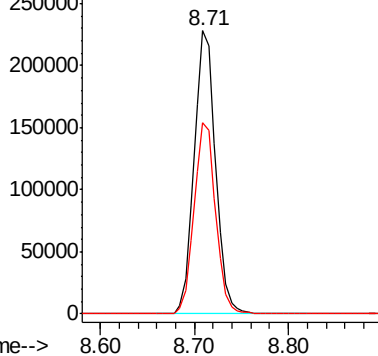
98 100

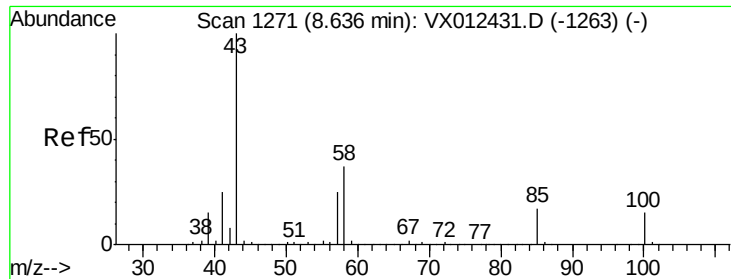
100 67.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.651 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

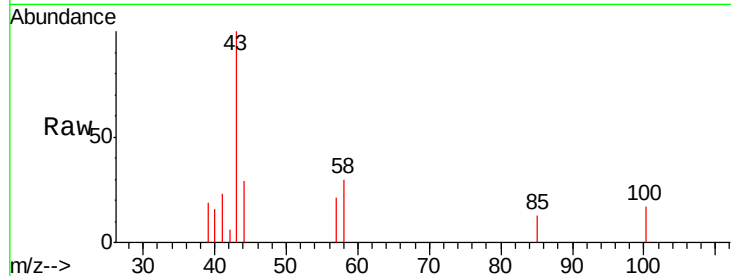
S49-0526

Tgt Ion: 43 Resp: 2283

Ion Ratio Lower Upper

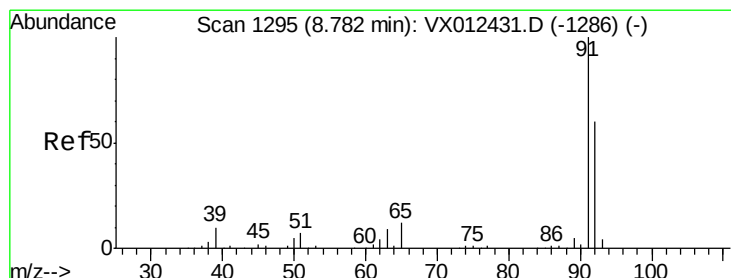
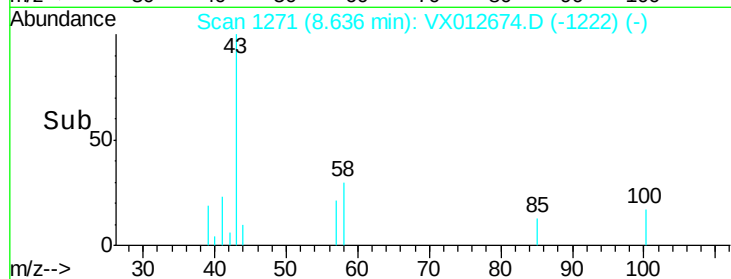
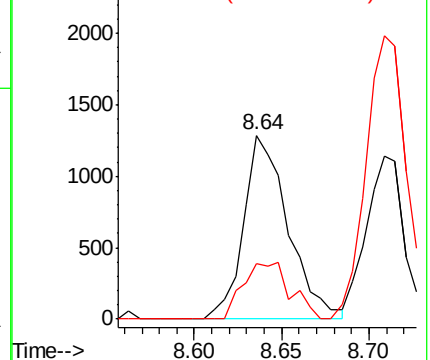
43 100

58 32.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.294 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012674.D

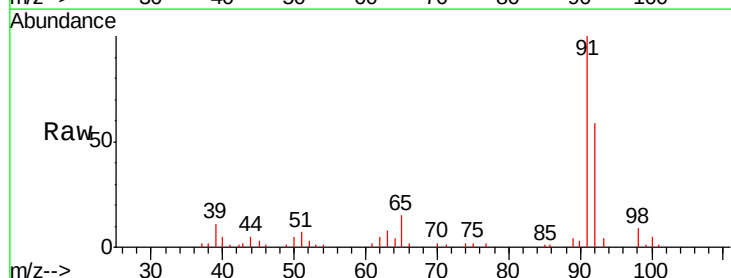
Acq: 26 Sep 2019 15:16

Tgt Ion: 92 Resp: 6954

Ion Ratio Lower Upper

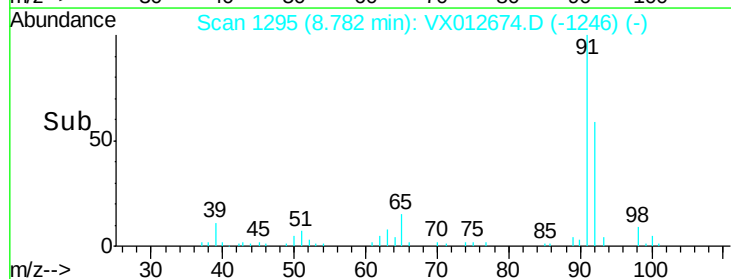
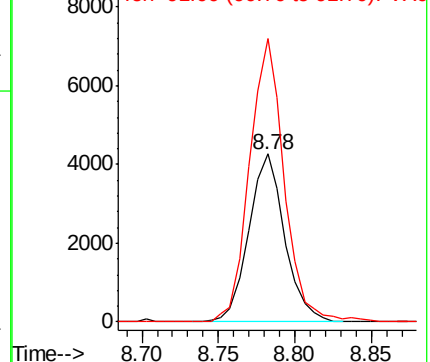
92 100

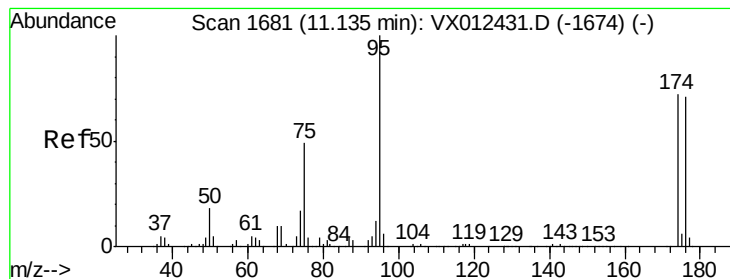
91 163.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.595 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampled :

S49-0526

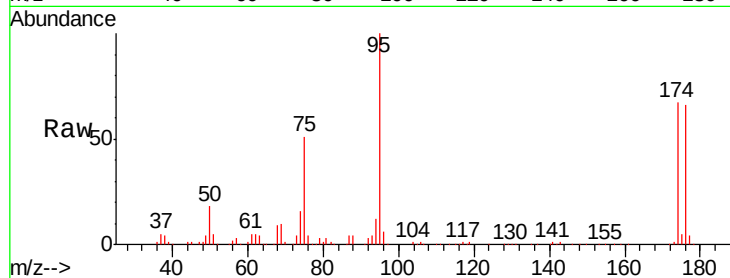
Tgt Ion: 95 Resp: 121238

Ion Ratio Lower Upper

95 100

174 64.7 0.0 140.0

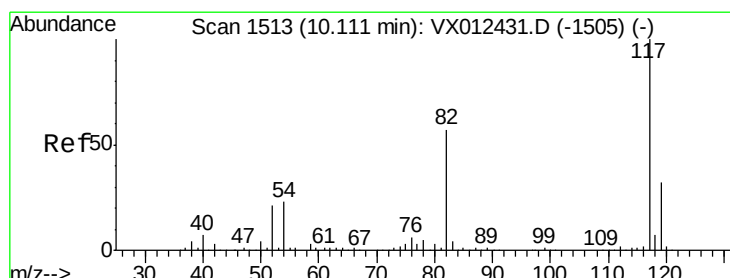
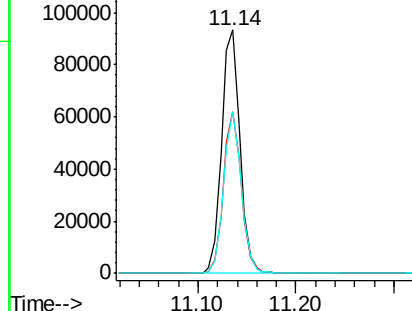
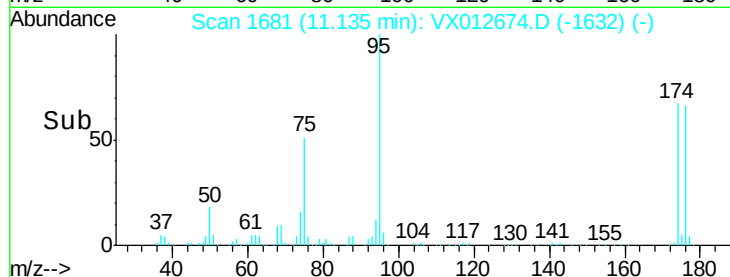
176 64.0 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012674.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012674.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012674.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

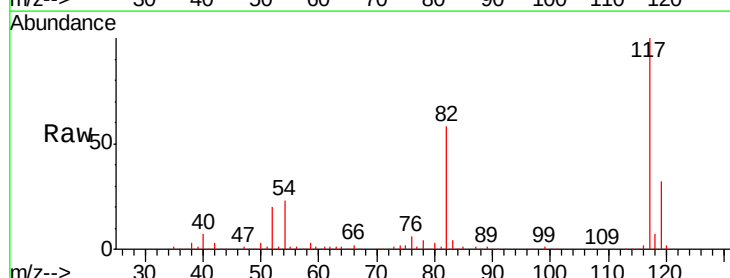
Tgt Ion: 117 Resp: 245798

Ion Ratio Lower Upper

117 100

82 58.1 45.9 68.9

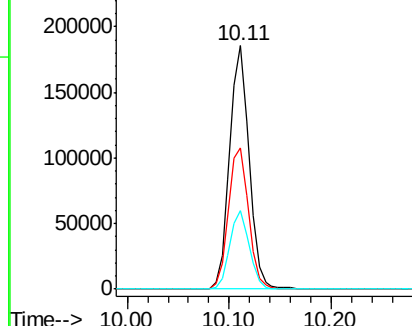
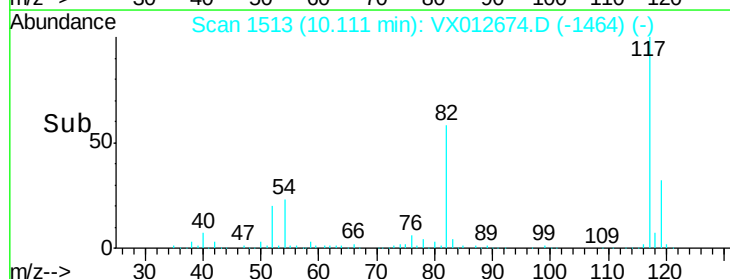
119 32.1 25.3 37.9

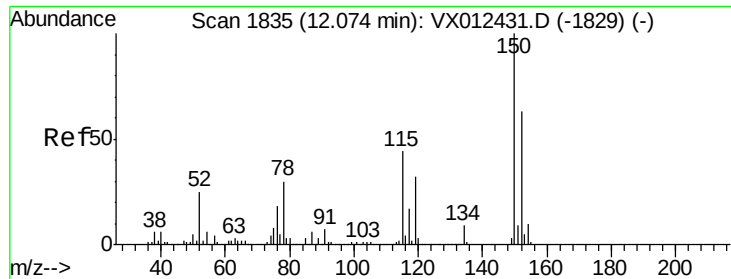


Abundance Ion 116.90 (116.60 to 117.60): VX012674.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012674.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012674.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

S49-0526

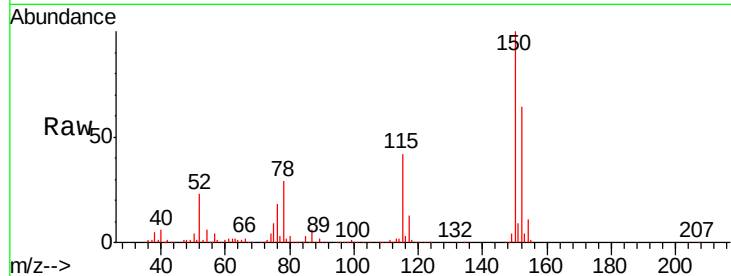
Tgt Ion:152 Resp: 87893

Ion Ratio Lower Upper

152 100

115 65.5 44.1 132.3

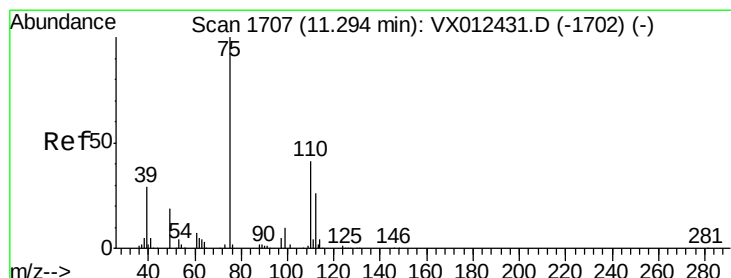
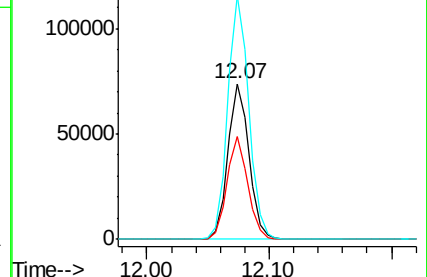
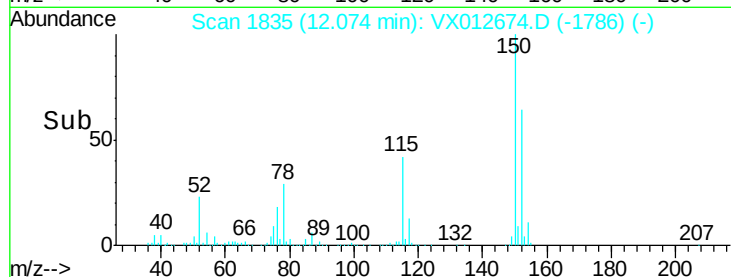
150 157.0 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.965 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012674.D

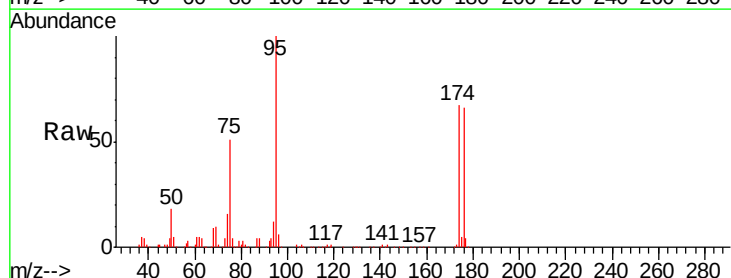
Acq: 26 Sep 2019 15:16

Tgt Ion: 75 Resp: 62693

Ion Ratio Lower Upper

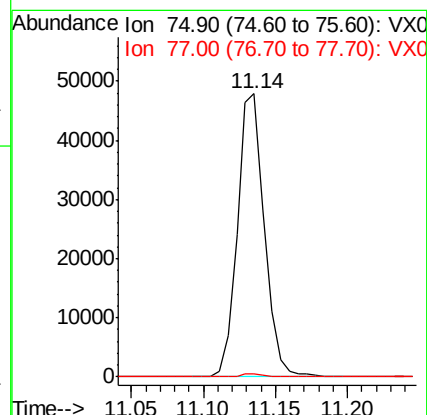
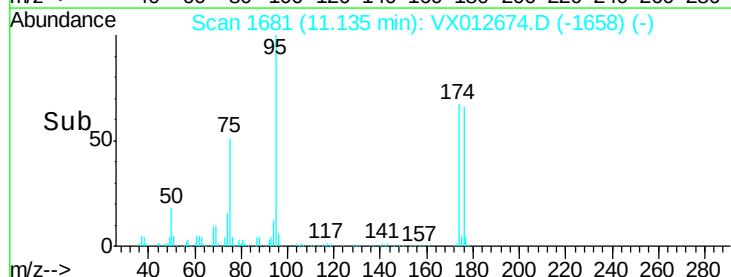
75 100

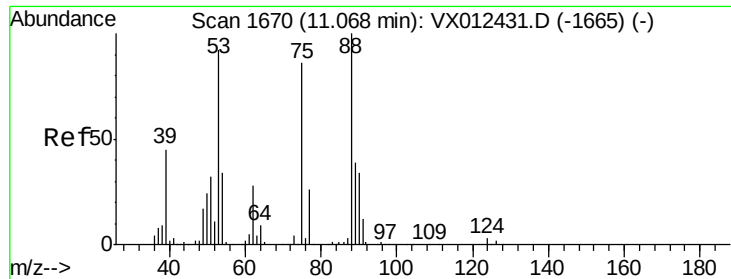
77 0.9 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 77.275 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012674.D

Acq: 26 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

S49-0526

Tgt Ion: 75 Resp: 62693

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

