

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013026.D
 Acq On : 11 Oct 2019 19:03
 Operator : JC/SP
 Sample : K5312-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0558

Quant Time: Oct 11 23:29:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	173048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	109748	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	5.49	113	83909	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	8.71	98	334354	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.14	95	111972	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	

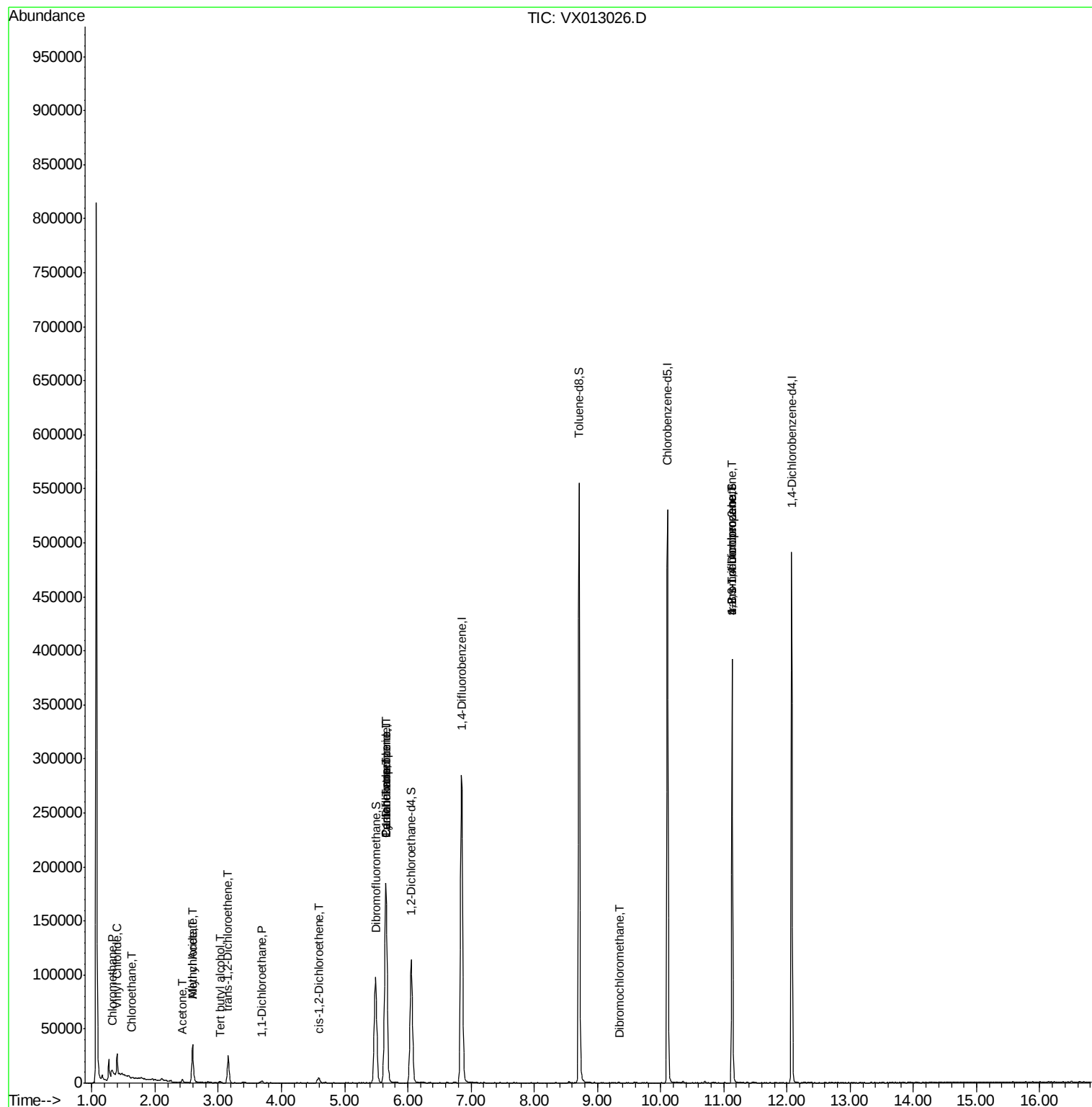
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	726	0.378	ug/l	95
4) Vinyl Chloride	1.40	62	11186	5.645	ug/l	97
6) Chloroethane	1.64	64	662	0.911	ug/l #	46
11) Tert butyl alcohol	3.03	59	1350	2.355	ug/l #	82
14) Allyl chloride	2.59	41	3459	1.111	ug/l #	68
16) Acetone	2.44	43	3117	2.734	ug/l	91
18) Methyl Acetate	2.59	43	9427	3.489	ug/l #	51
21) trans-1,2-Dichloroethene	3.16	96	10422	5.560	ug/l	98
24) 1,1-Dichloroethane	3.69	63	1663	0.495	ug/l #	81
27) cis-1,2-Dichloroethene	4.59	96	2825	1.308	ug/l	93
31) Cyclohexane	5.65	56	3565	1.136	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13773	5.428	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17943	7.265	ug/l #	17
60) Dibromochloromethane	9.34	129	27	1.869	ug/l #	10
76) 1,2,3-Trichloropropane	11.14	75	56391	26.733	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	56391	67.212	ug/l #	10

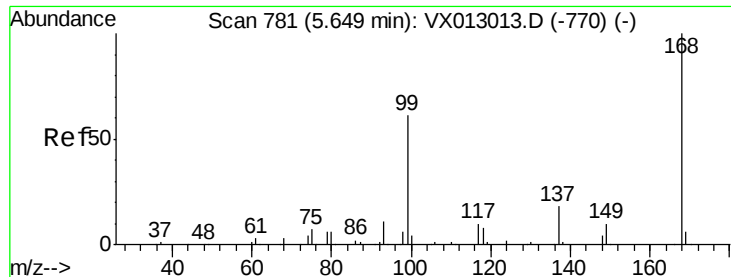
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

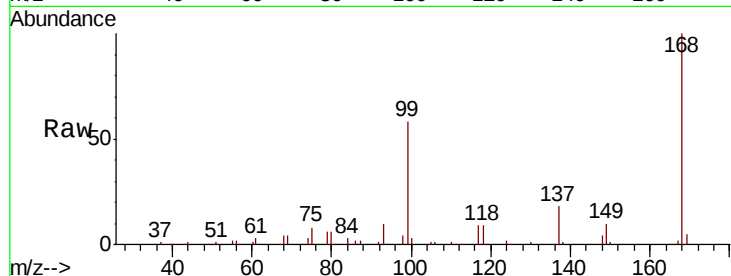
S49-0558

Tot Ion:168 Resp: 173048

Ion Ratio Lower Upper

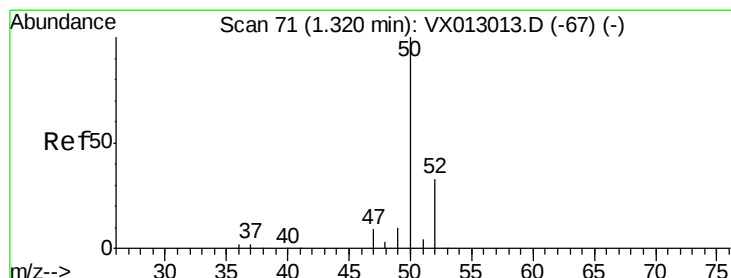
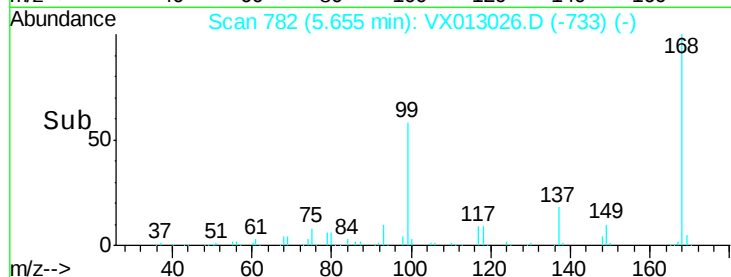
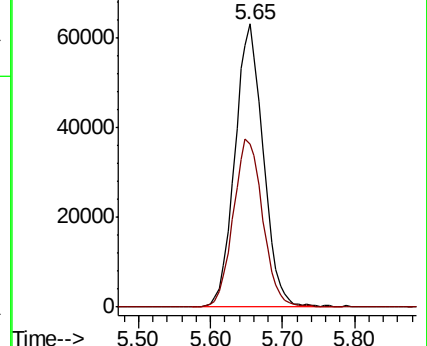
168 100

99 57.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.378 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013026.D

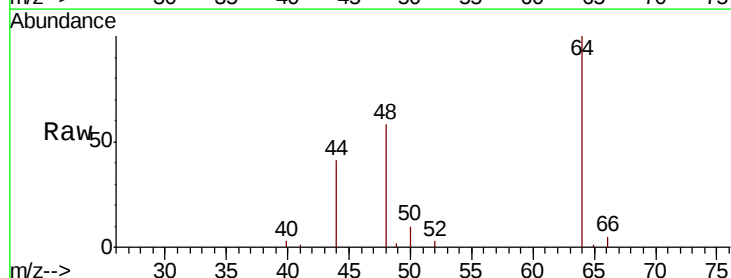
Acq: 11 Oct 2019 19:03

Tgt Ion: 50 Resp: 726

Ion Ratio Lower Upper

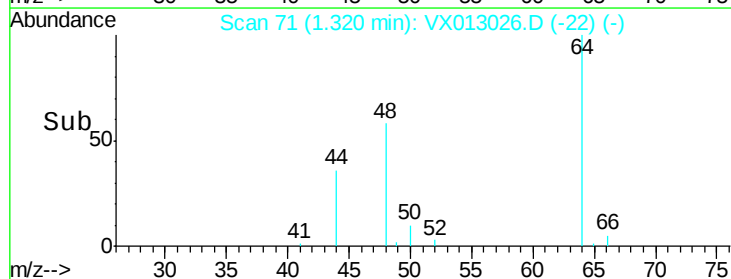
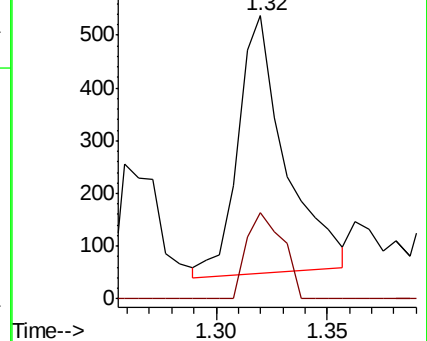
50 100

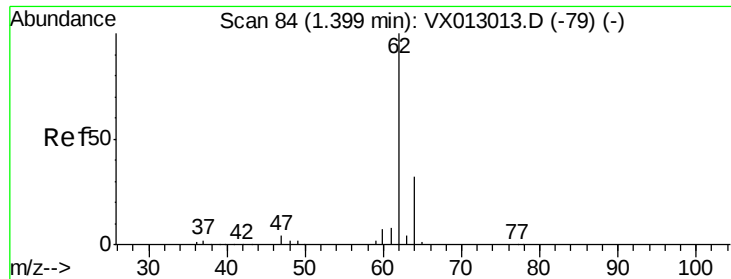
52 34.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 5.645 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampled :

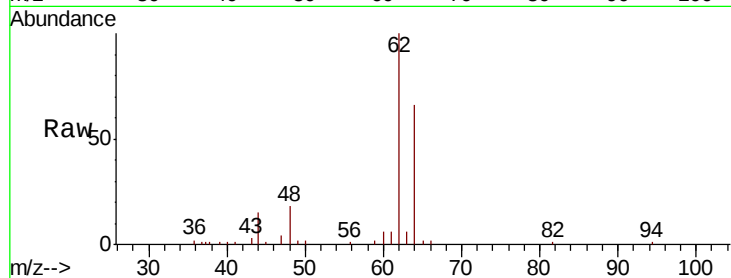
S49-0558

Tot Ion: 62 Resp: 11186

Ion Ratio Lower Upper

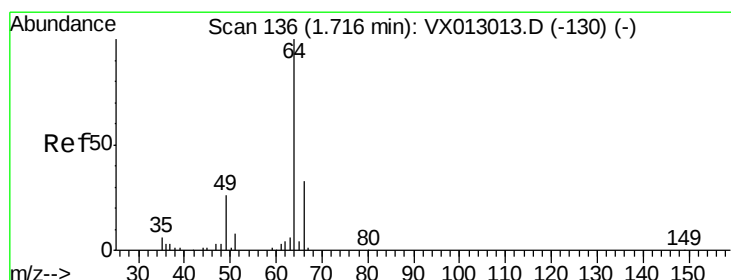
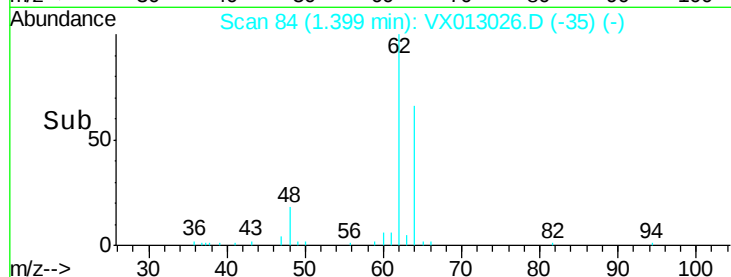
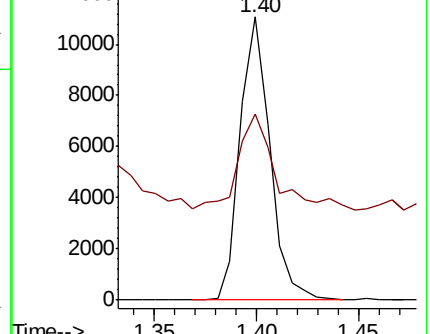
62 100

64 33.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 0.911 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.07 min

Lab File: VX013026.D

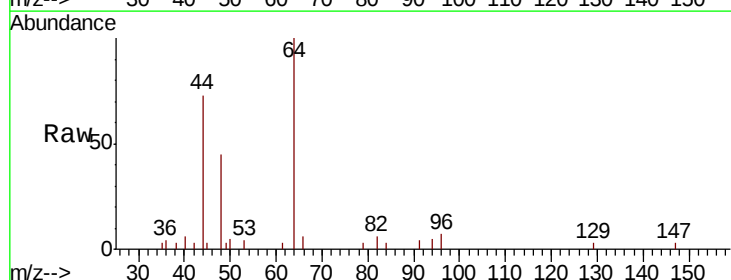
Acq: 11 Oct 2019 19:03

Tgt Ion: 64 Resp: 662

Ion Ratio Lower Upper

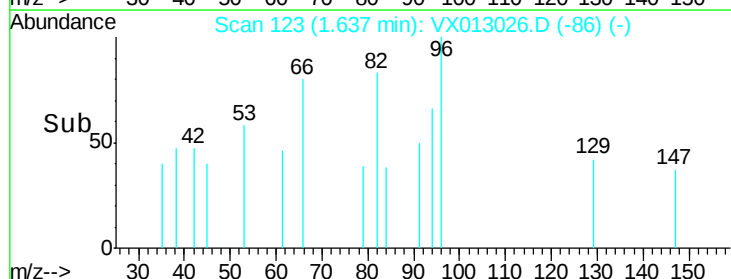
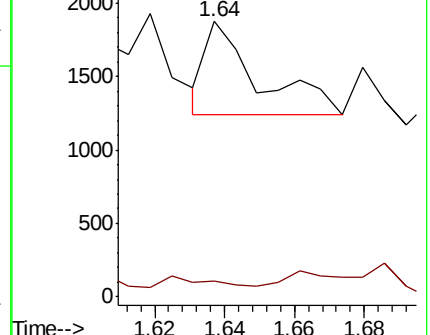
64 100

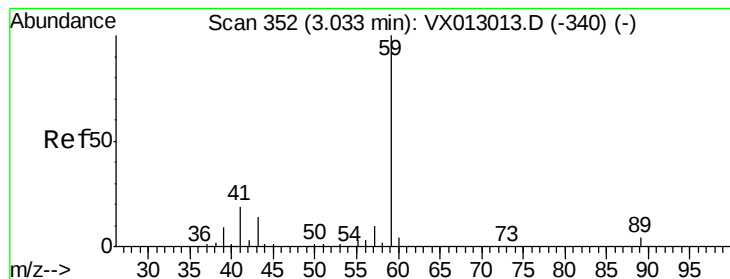
66 1.9 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



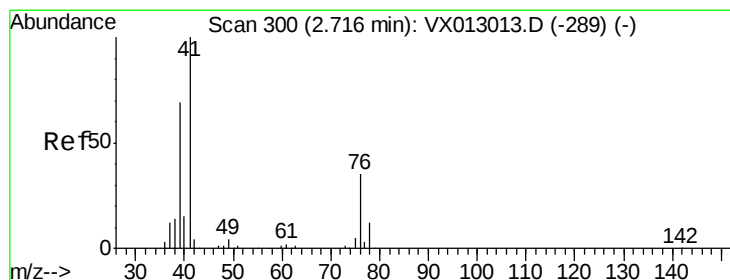
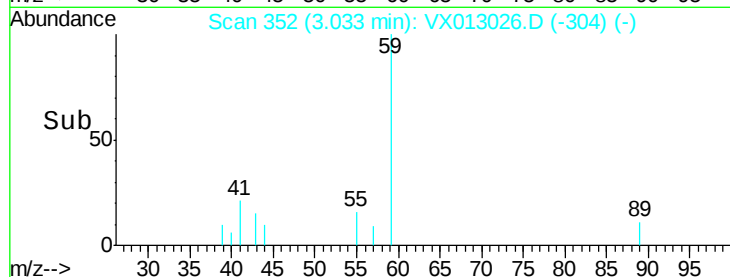
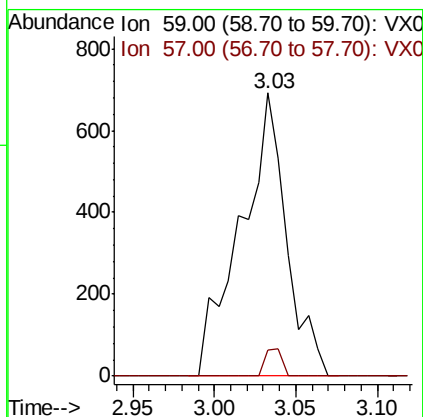
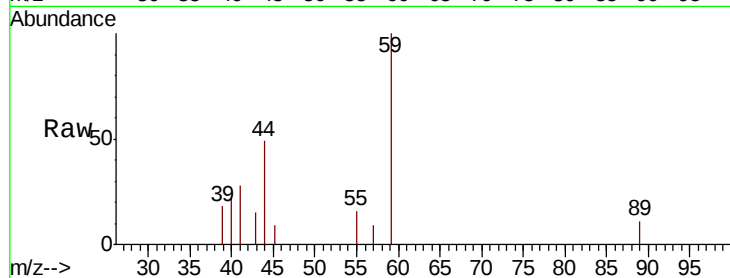


#11

Tert butyl alcohol
 Concen: 2.355 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013026.D
 Acq: 11 Oct 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0558

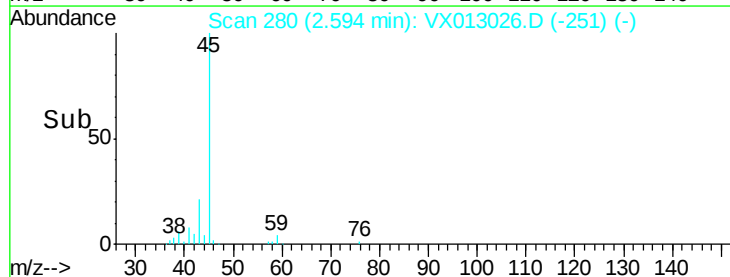
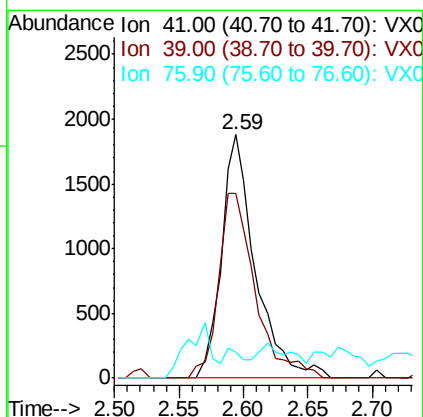
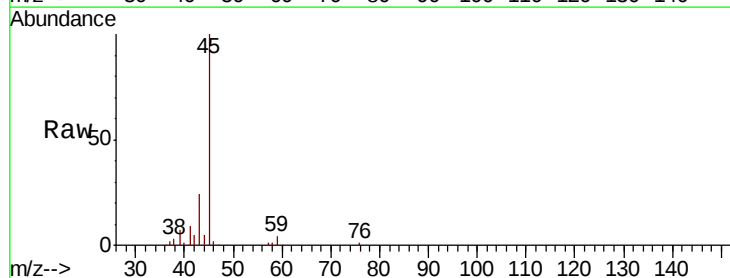
Tot Ion: 59 Resp: 1350
 Ion Ratio Lower Upper
 59 100
 57 3.6 8.3 12.5#

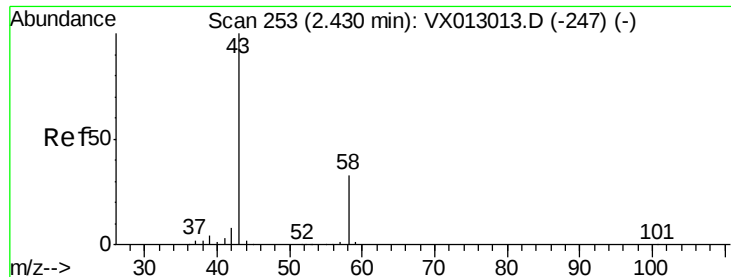


#14

Allyl chloride
 Concen: 1.111 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX013026.D
 Acq: 11 Oct 2019 19:03

Tgt Ion: 41 Resp: 3459
 Ion Ratio Lower Upper
 41 100
 39 82.7 51.0 76.6#
 76 6.5 26.2 39.4#





#16

Acetone

Concen: 2.734 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

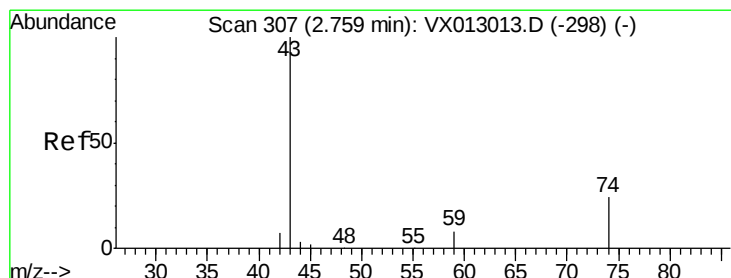
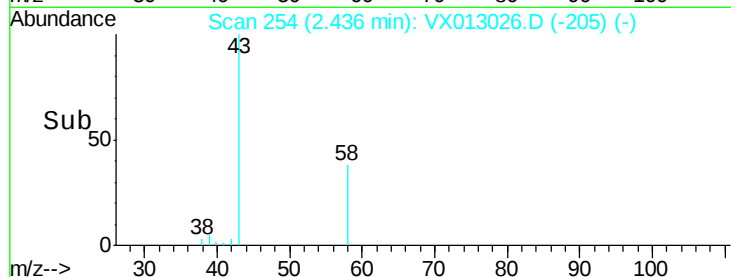
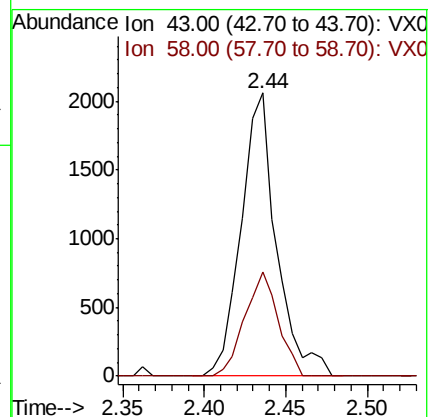
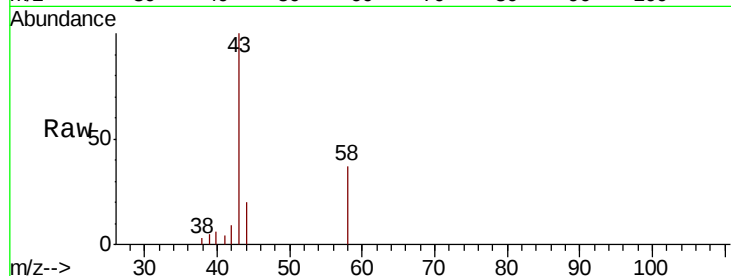
S49-0558

Tot Ion: 43 Resp: 3117

Ion Ratio Lower Upper

43 100

58 36.9 25.4 38.2



#18

Methyl Acetate

Concen: 3.489 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX013026.D

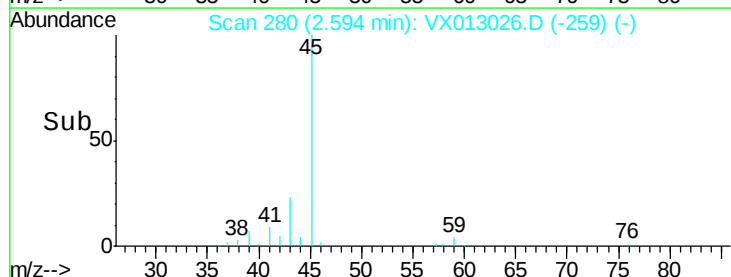
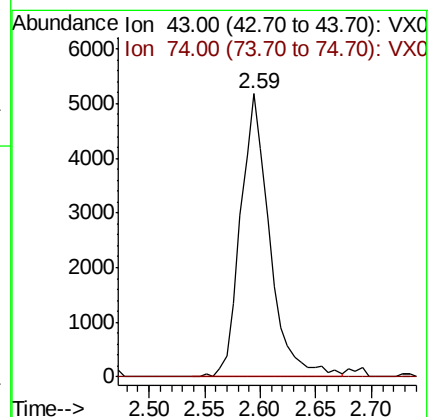
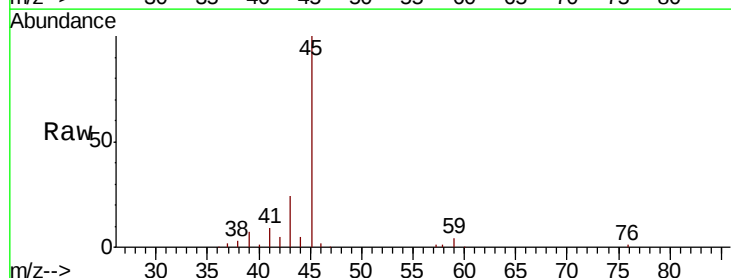
Acq: 11 Oct 2019 19:03

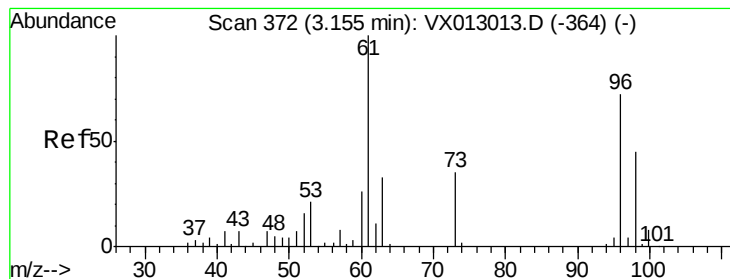
Tgt Ion: 43 Resp: 9427

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#21

trans-1,2-Dichloroethene

Concen: 5.560 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0558

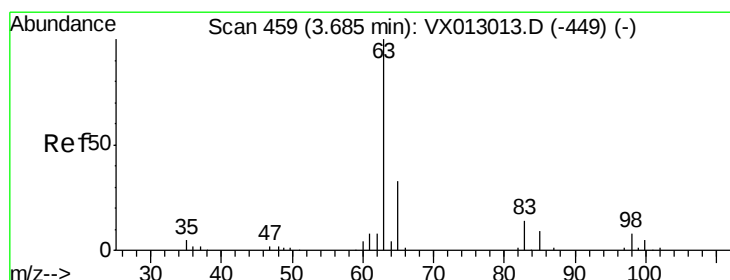
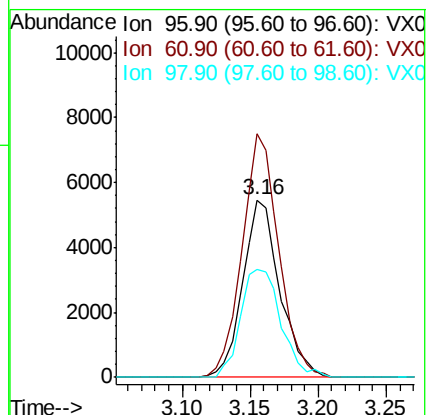
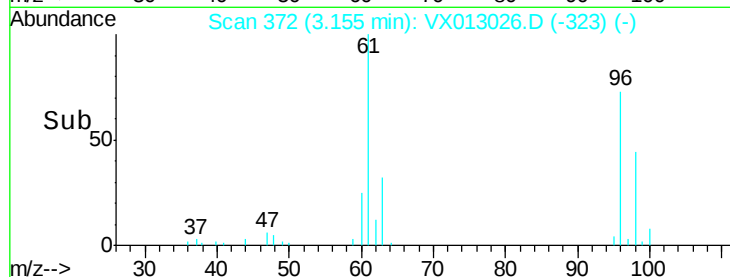
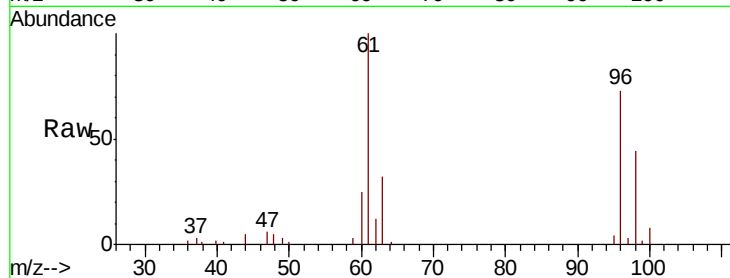
Tot Ion: 96 Resp: 10422

Ion Ratio Lower Upper

96 100

61 137.3 110.4 165.6

98 60.7 51.5 77.3



#24

1,1-Dichloroethane

Concen: 0.495 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

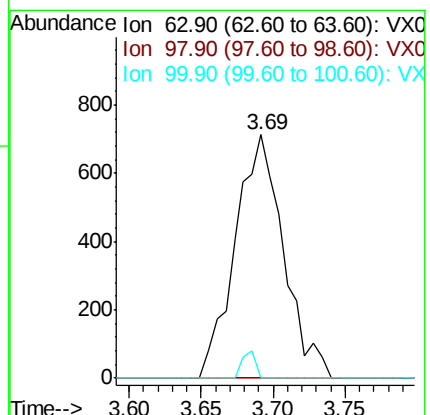
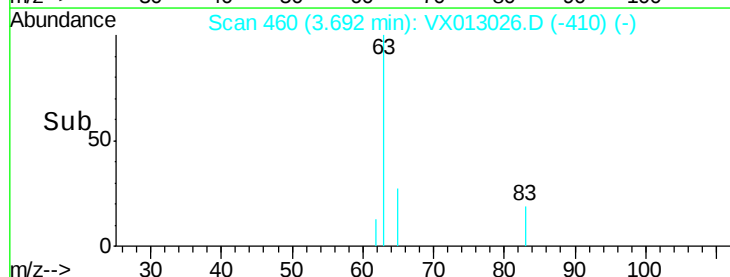
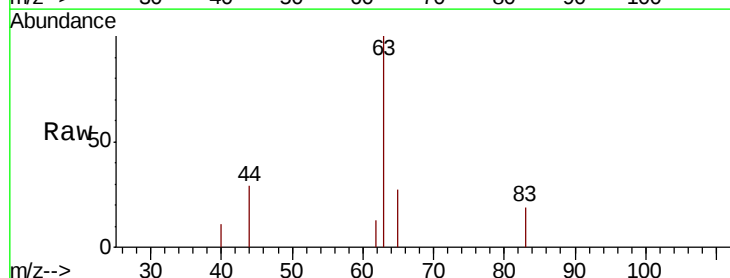
Tgt Ion: 63 Resp: 1663

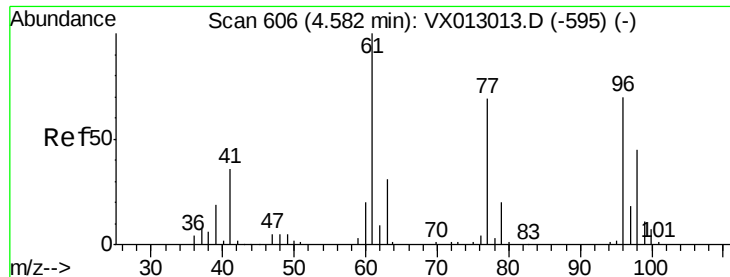
Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

100 0.0 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 1.308 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0558

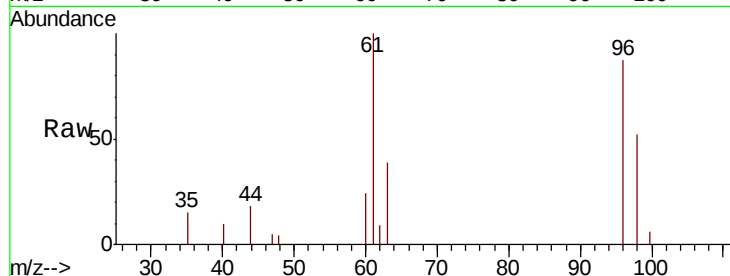
Tot Ion: 96 Resp: 2825

Ion Ratio Lower Upper

96 100

61 134.6 0.0 290.6

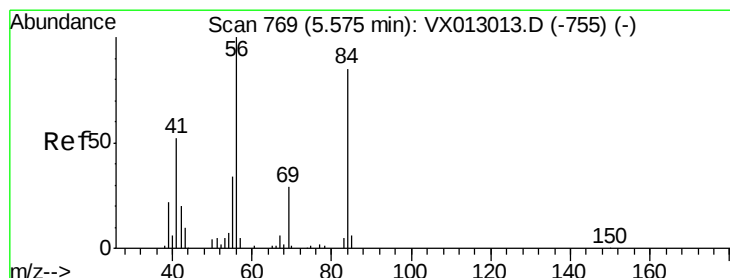
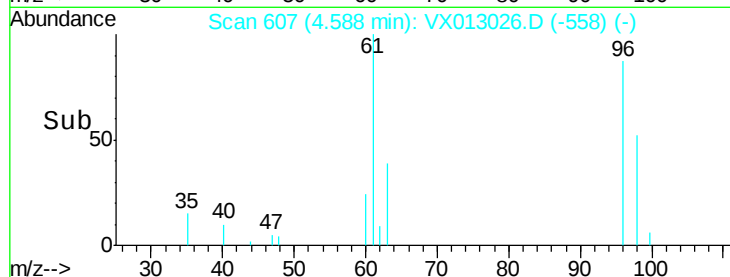
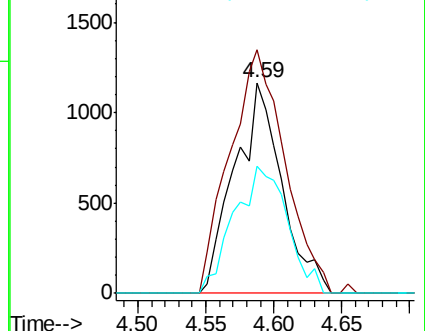
98 67.9 0.0 128.8



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



#31

Cyclohexane

Concen: 1.136 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

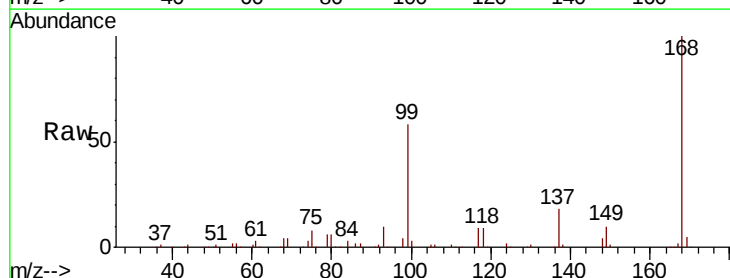
Tgt Ion: 56 Resp: 3565

Ion Ratio Lower Upper

56 100

69 167.1 25.2 37.8#

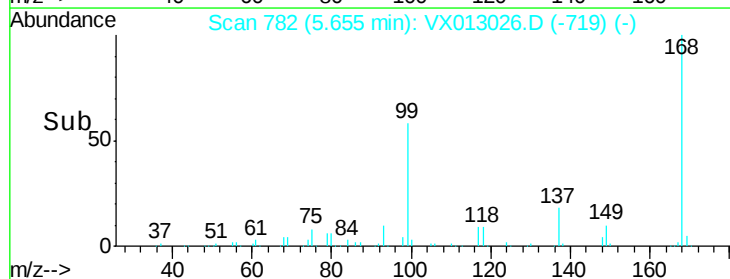
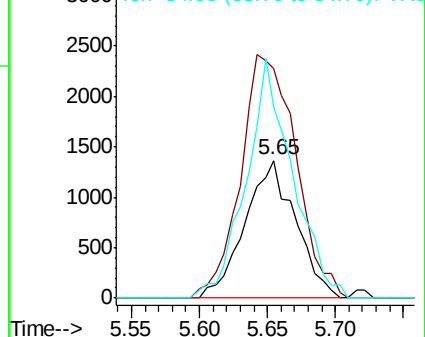
84 138.8 71.3 106.9#

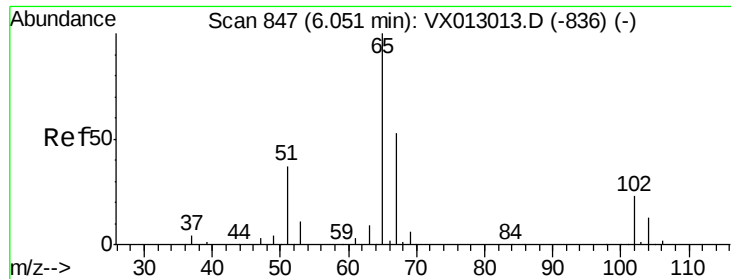


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.742 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

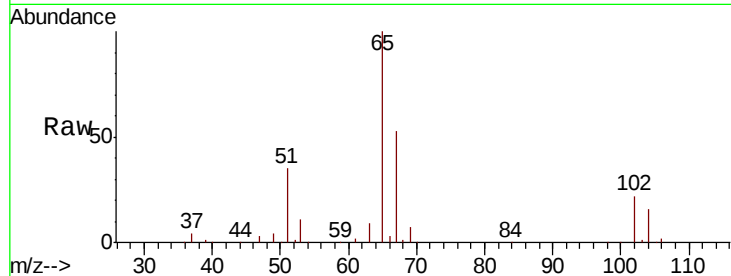
S49-0558

Tot Ion: 65 Resp: 109748

Ion Ratio Lower Upper

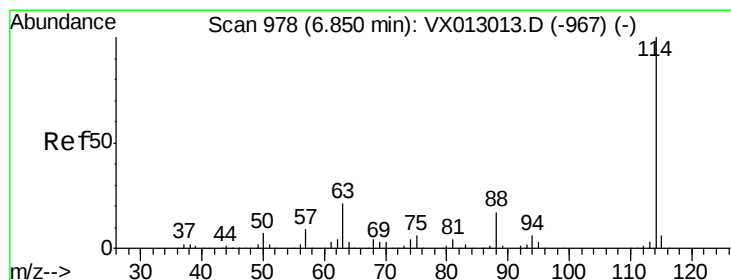
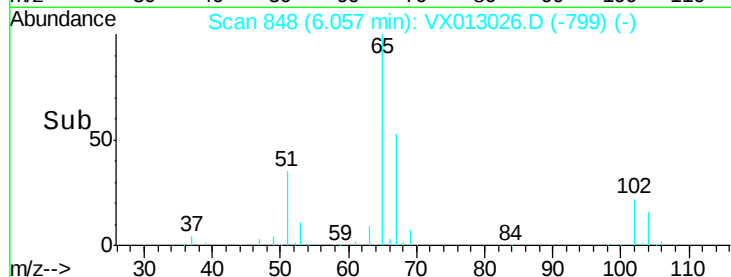
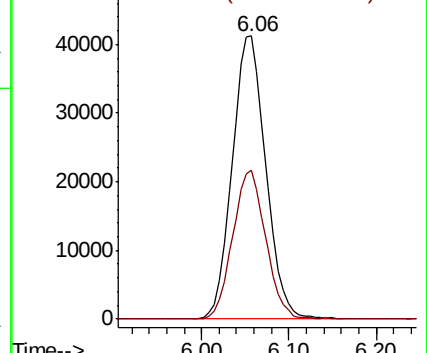
65 100

67 52.0 0.0 104.4



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: VX013026.D

Acq: 11 Oct 2019 19:03

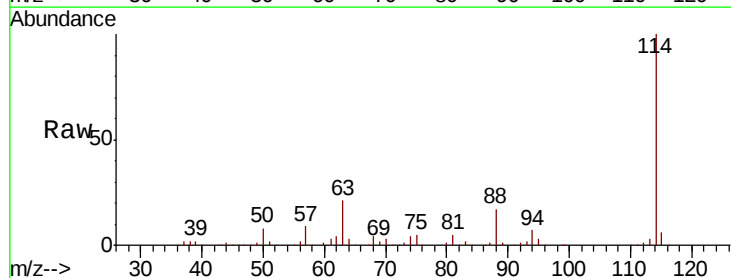
Tgt Ion: 114 Resp: 288592

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

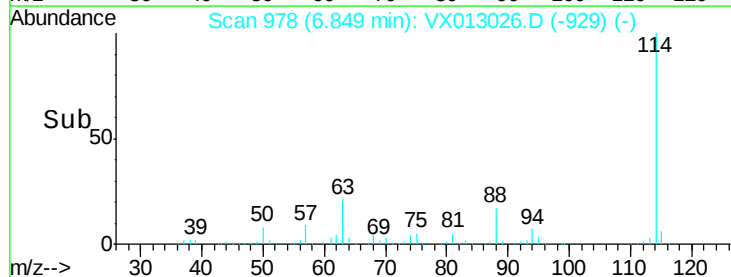
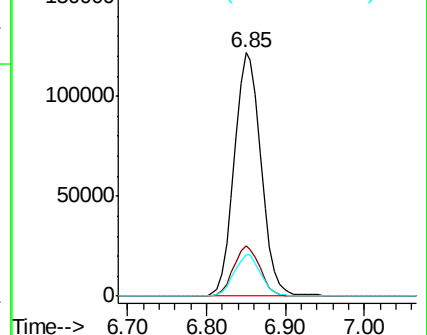
88 17.1 0.0 33.8

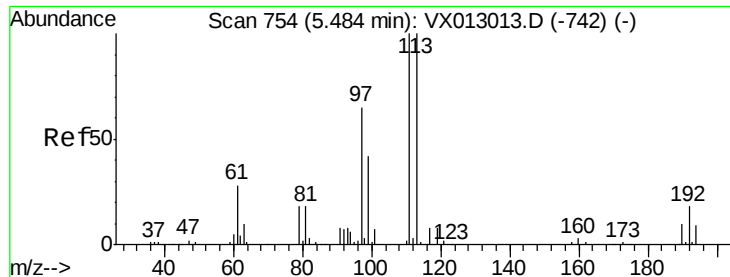


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.658 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0558

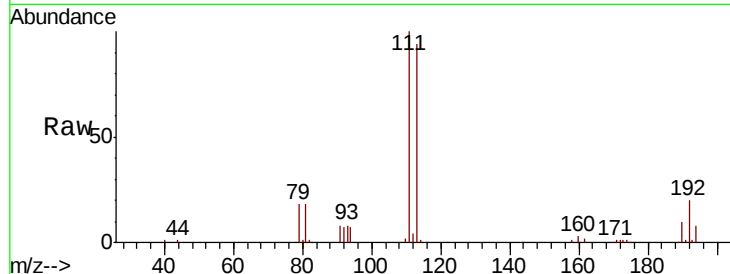
Tot Ion:113 Resp: 83909

Ion Ratio Lower Upper

113 100

111 104.7 83.2 124.8

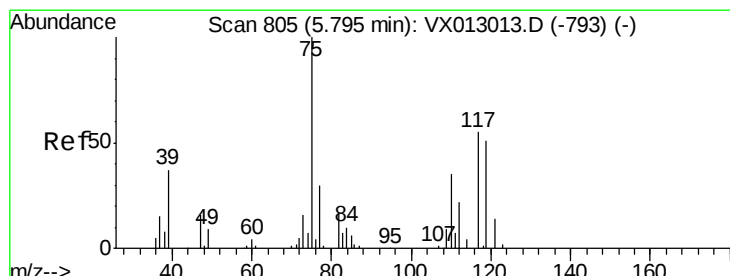
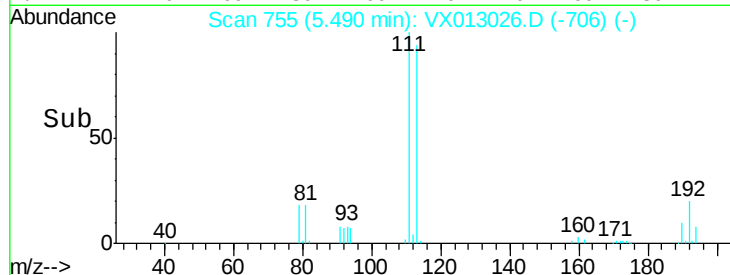
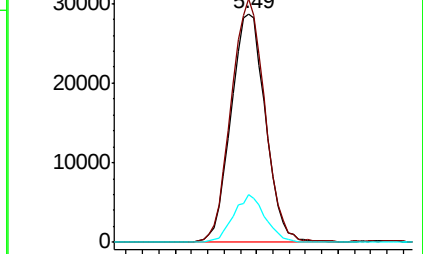
192 19.1 15.4 23.2



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



#36

1,1-Dichloropropene

Concen: 5.428 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

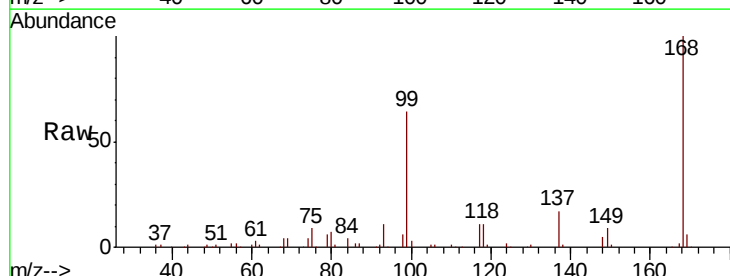
Tgt Ion: 75 Resp: 13773

Ion Ratio Lower Upper

75 100

110 8.9 17.6 52.9#

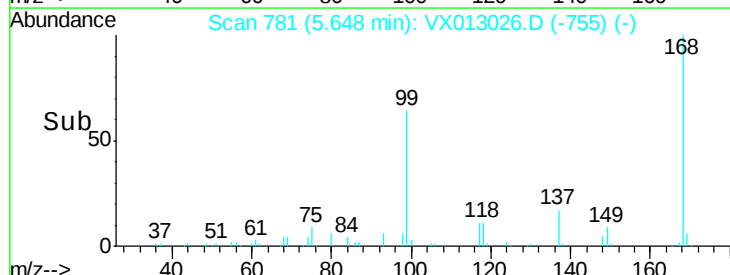
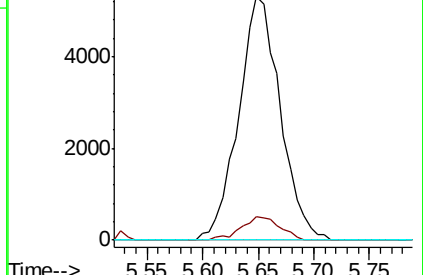
77 0.0 24.4 36.6#

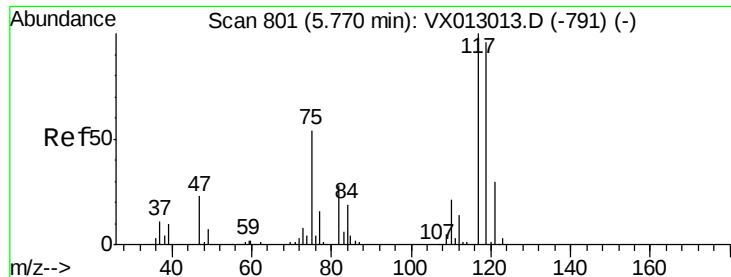


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.265 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0558

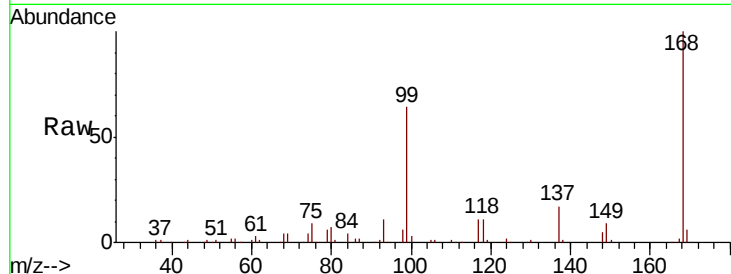
Tot Ion:117 Resp: 17943

Ion Ratio Lower Upper

117 100

119 5.0 74.5 111.7#

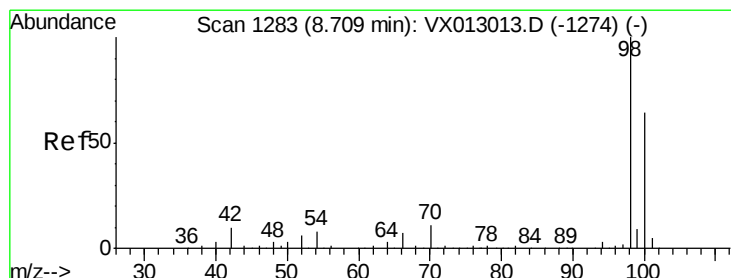
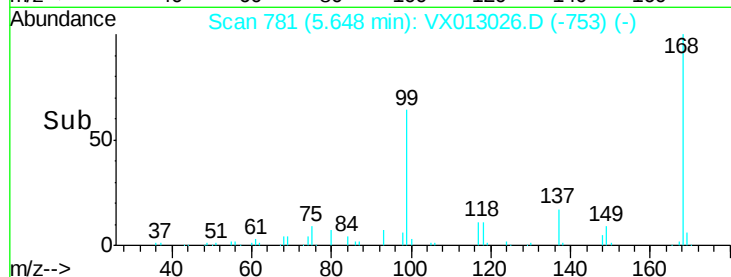
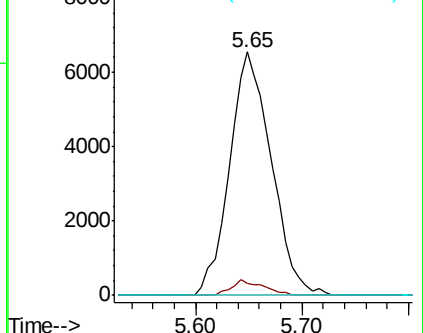
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.756 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013026.D

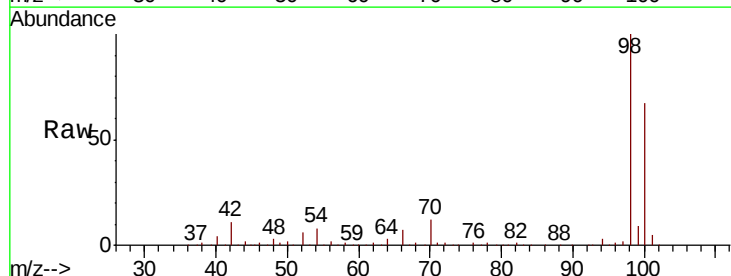
Acq: 11 Oct 2019 19:03

Tgt Ion: 98 Resp: 334354

Ion Ratio Lower Upper

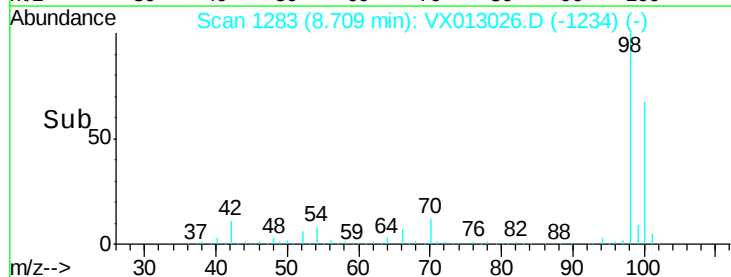
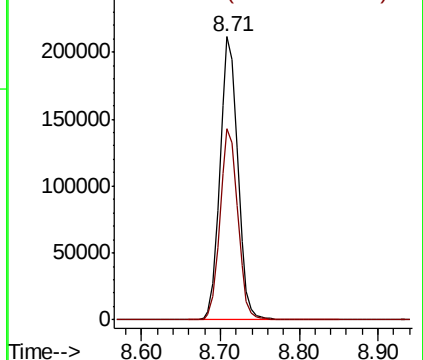
98 100

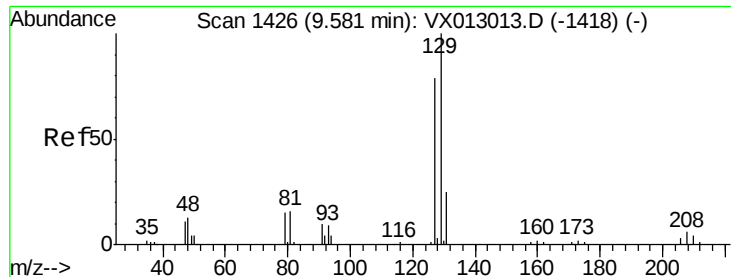
100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 1.869 ug/l

RT: 9.34 min Scan# 1387

Delta R.T. -0.24 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

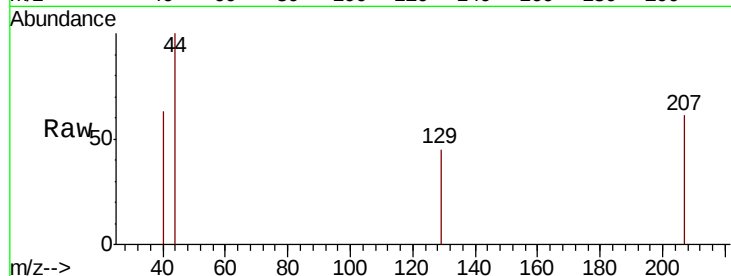
S49-0558

Tot Ion:129 Resp: 27

Ion Ratio Lower Upper

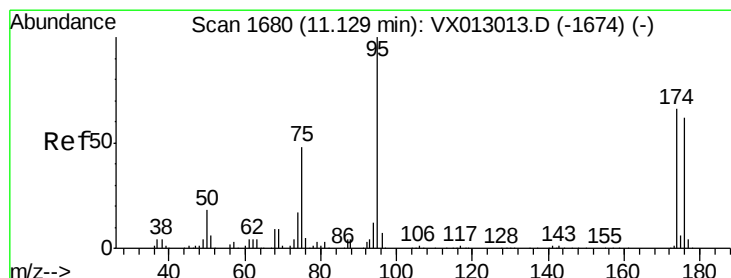
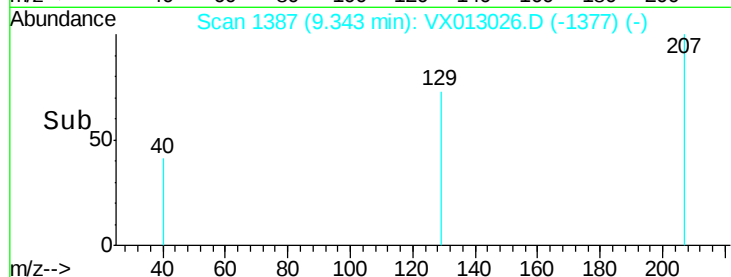
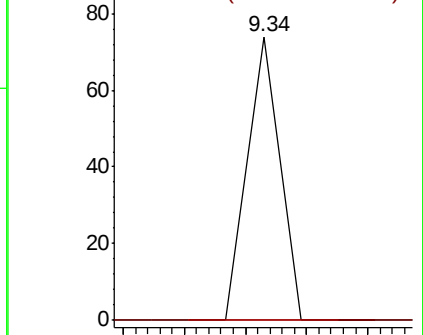
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.607 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

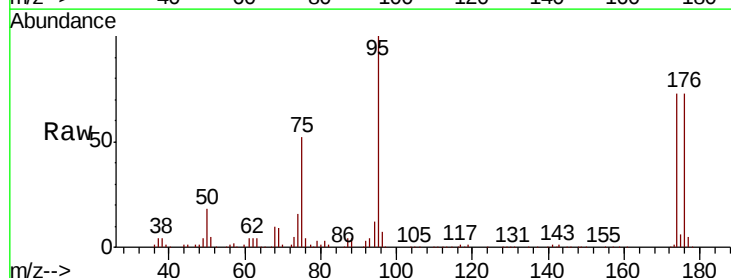
Tgt Ion: 95 Resp: 111972

Ion Ratio Lower Upper

95 100

174 72.3 0.0 143.4

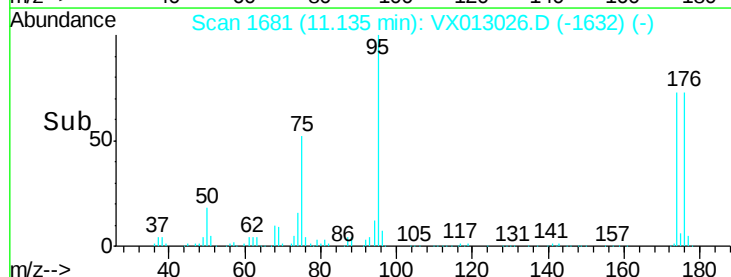
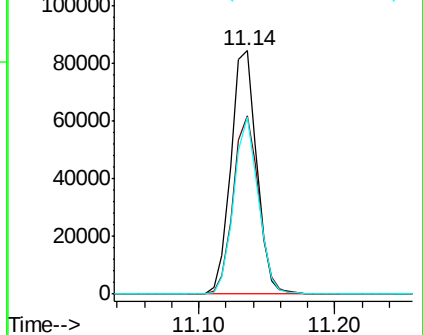
176 69.2 0.0 136.0

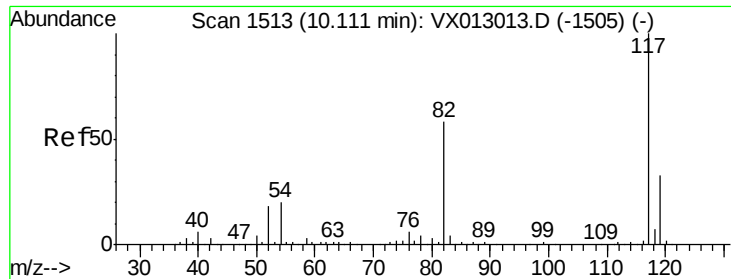


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

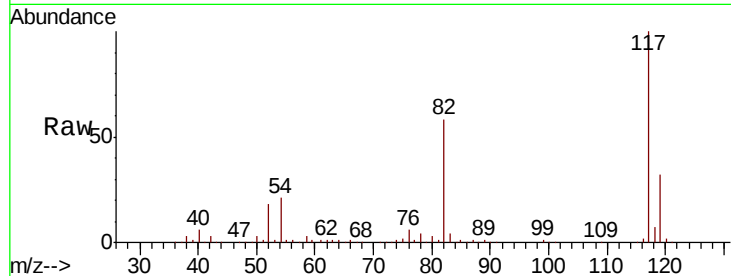




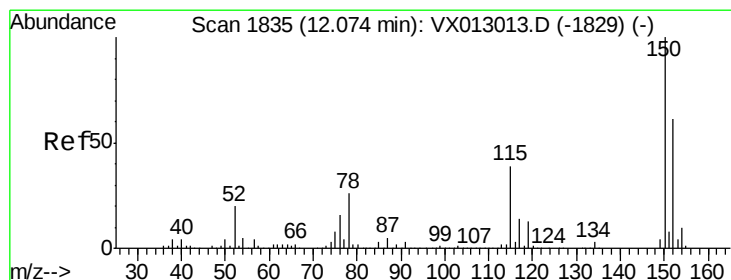
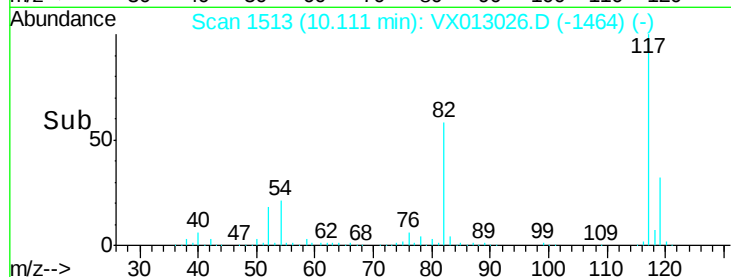
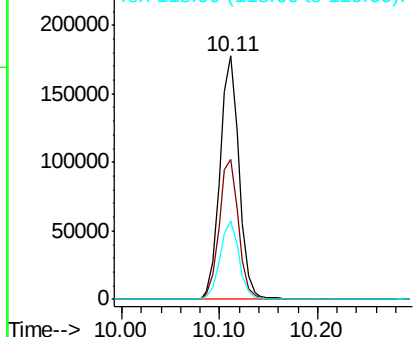
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013026.D
Acq: 11 Oct 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
S49-0558

Tot Ion:117 Resp: 240053
Ion Ratio Lower Upper
117 100
82 57.6 44.1 66.1
119 32.1 25.8 38.8

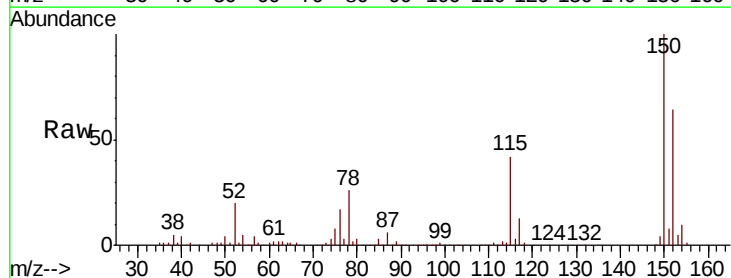


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

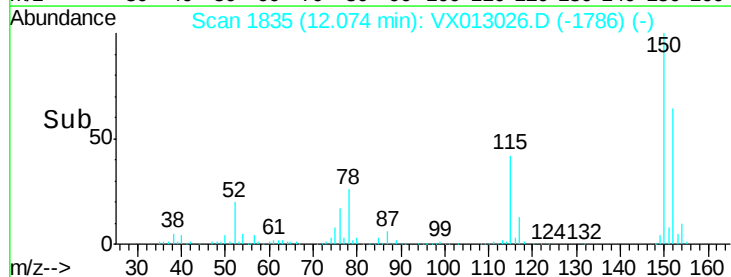
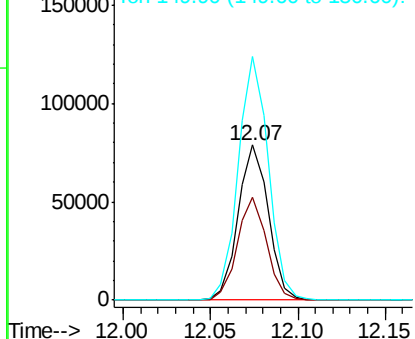


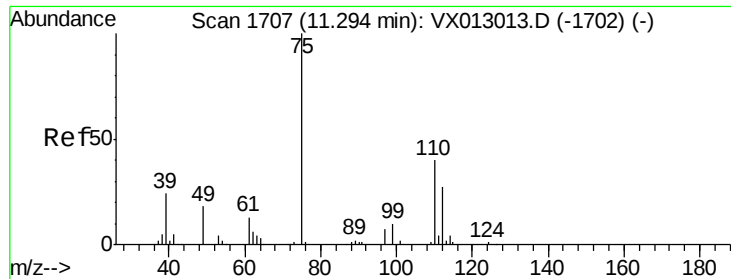
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013026.D
Acq: 11 Oct 2019 19:03

Tgt Ion:152 Resp: 95106
Ion Ratio Lower Upper
152 100
115 64.2 44.5 133.5
150 156.0 0.0 353.4



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: 26.733 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

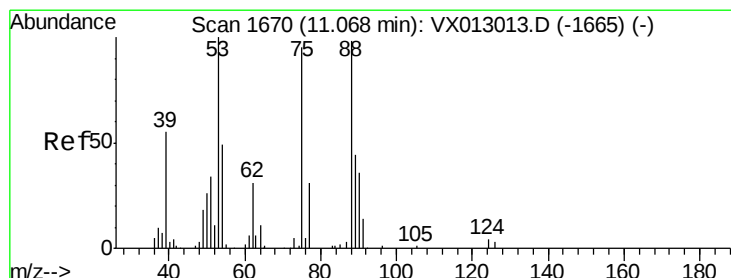
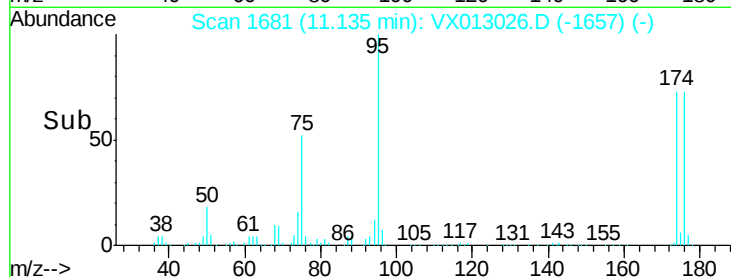
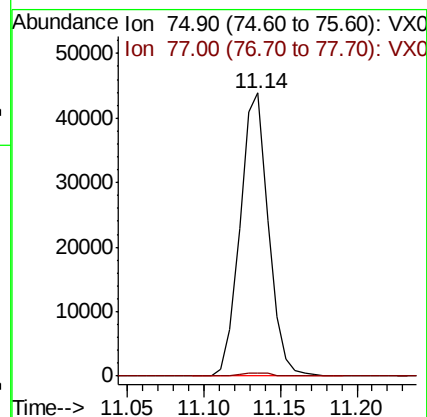
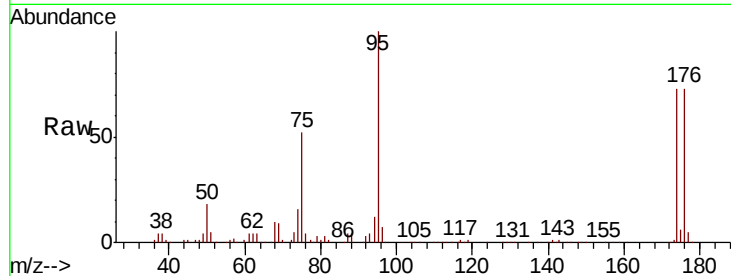
S49-0558

Tot Ion: 75 Resp: 56391

Ion Ratio Lower Upper

75 100

77 1.3 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.212 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013026.D

Acq: 11 Oct 2019 19:03

Tgt Ion: 75 Resp: 56391

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.4 56.2#

