

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012924.D
 Acq On : 09 Oct 2019 05:51
 Operator : JC/SP
 Sample : K5216-04DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0541DL

Quant Time: Oct 09 06:48:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305412	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108502	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	116431	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	5.49	113	91627	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	8.71	98	359564	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.13	95	128465	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

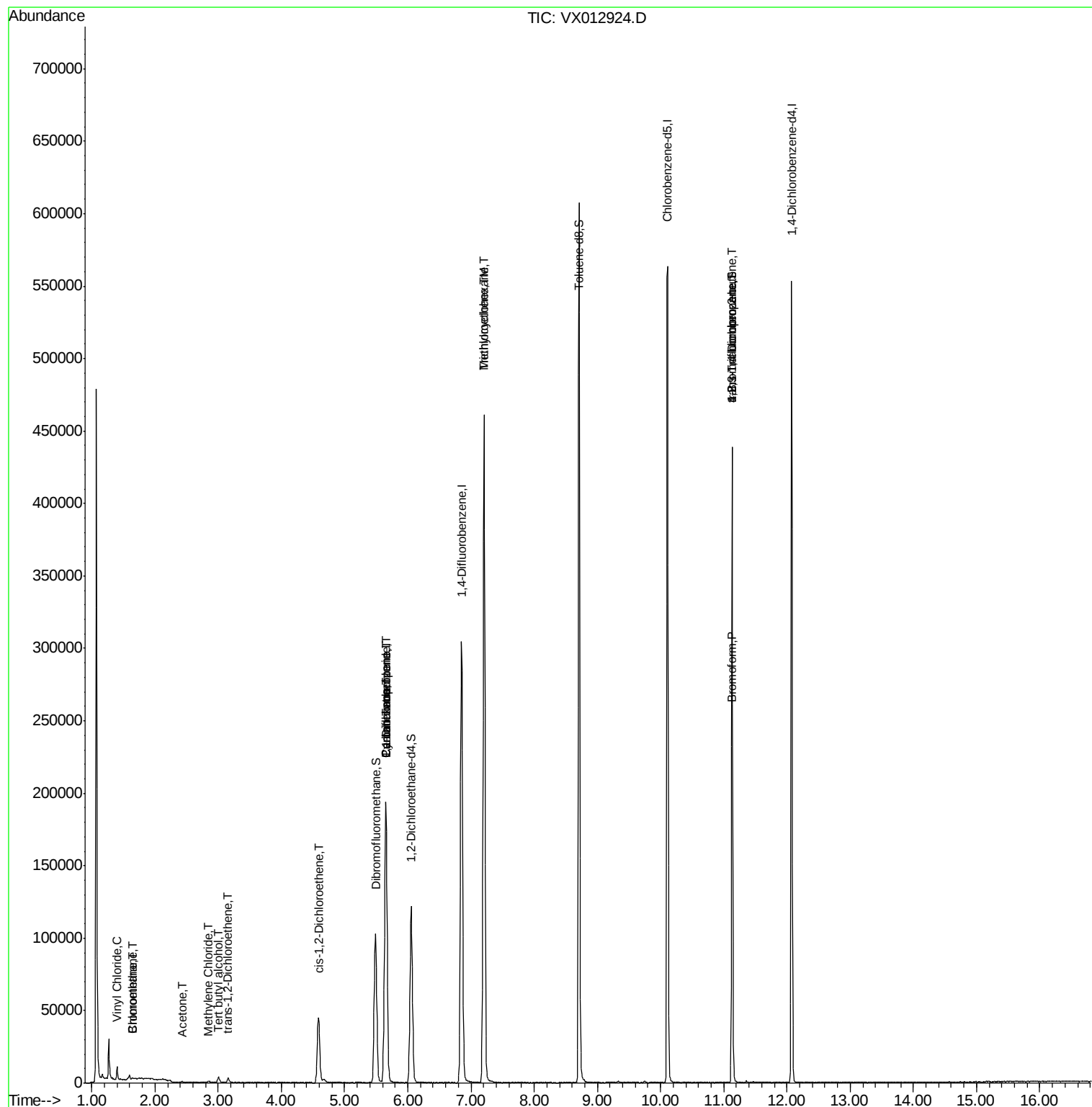
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	5346	2.624	ug/l	96
5) Bromomethane	1.64	94	219	0.259	ug/l #	58
6) Chloroethane	1.64	64	357	0.652	ug/l #	43
11) Tert butyl alcohol	3.01	59	2926	4.964	ug/l #	72
16) Acetone	2.43	43	592	0.505	ug/l #	81
20) Methylene Chloride	2.84	84	592	0.275	ug/l	85
21) trans-1,2-Dichloroethene	3.15	96	1541	0.800	ug/l	84
27) cis-1,2-Dichloroethene	4.58	96	29208	13.149	ug/l	90
31) Cyclohexane	5.66	56	3861	1.196	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14901	5.549	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18704	7.156	ug/l #	16
39) Methylcyclohexane	7.20	83	2214	0.680	ug/l #	1
44) Trichloroethene	7.21	130	180734	82.181	ug/l	97
71) Bromoform	11.12	173	53	3.165	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	63927	26.564	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	63927	66.812	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012924.D

Acq: 09 Oct 2019 05:51

Instrument :

MSVOA_X

ClientSampleId :

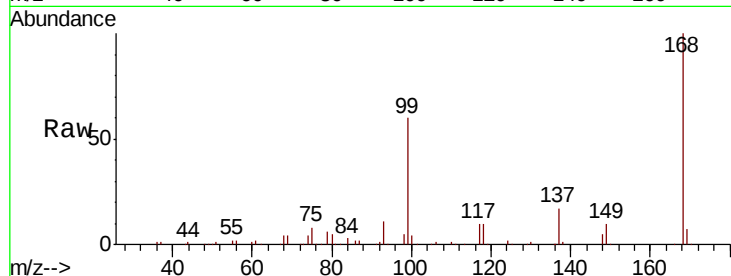
S49-0541DL

Tot Ion:168 Resp: 177918

Ion Ratio Lower Upper

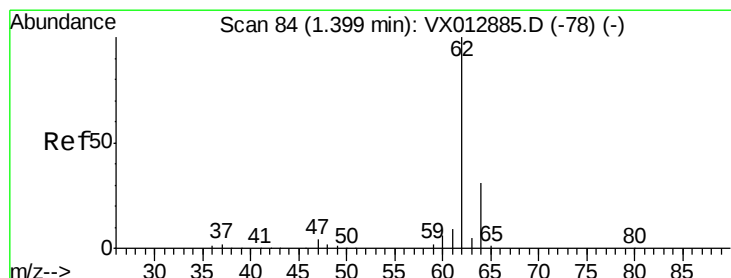
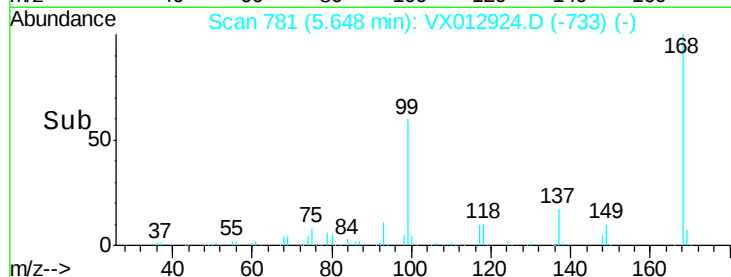
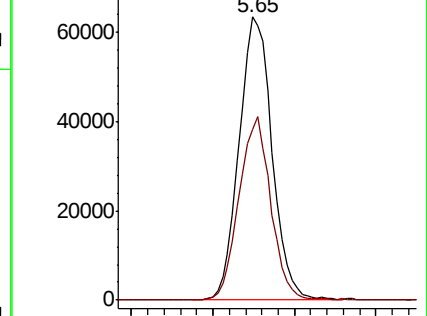
168 100

99 60.2 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 2.624 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012924.D

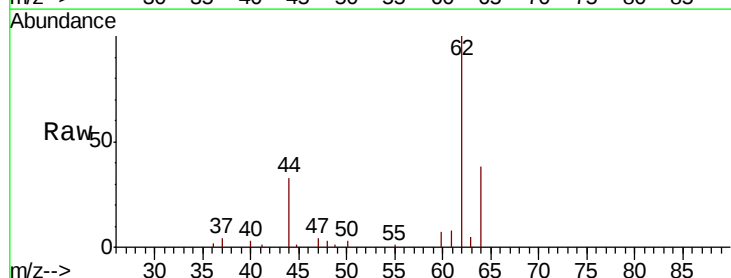
Acq: 09 Oct 2019 05:51

Tgt Ion: 62 Resp: 5346

Ion Ratio Lower Upper

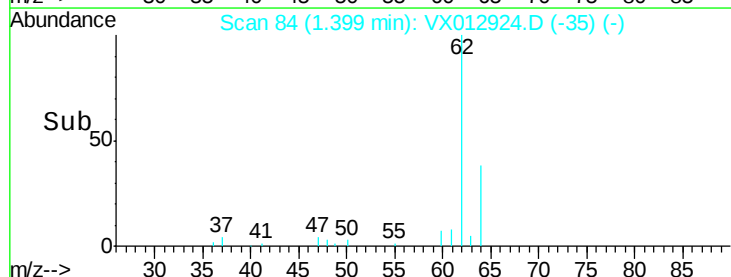
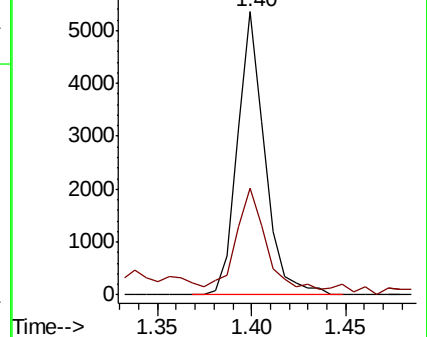
62 100

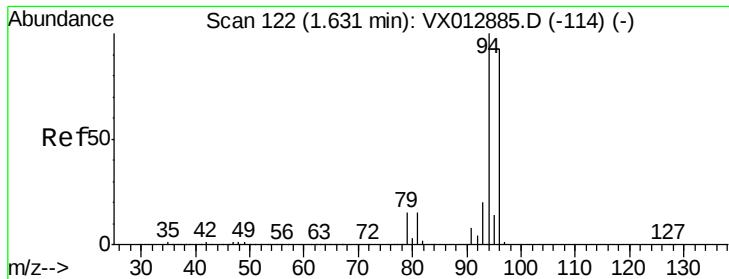
64 34.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.259 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012924.D

Acq: 09 Oct 2019 05:51

Instrument :

MSVOA_X

ClientSampleID :

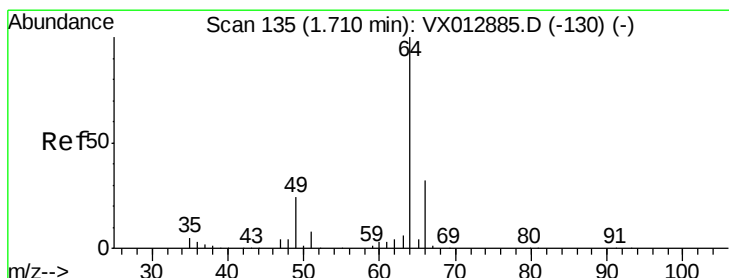
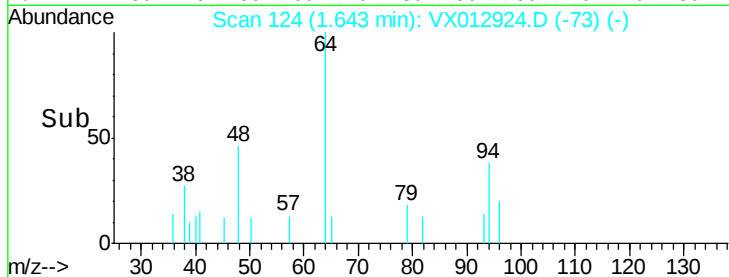
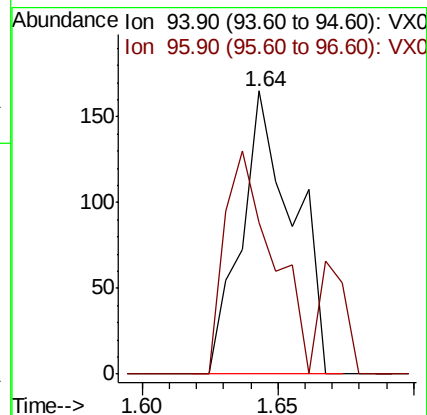
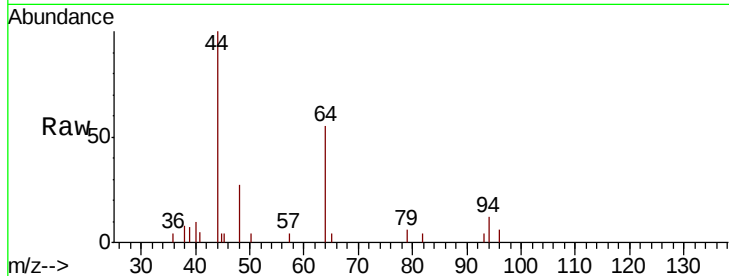
S49-0541DL

Tot Ion: 94 Resp: 219

Ion Ratio Lower Upper

94 100

96 53.3 74.7 112.1#



#6

Chloroethane

Concen: 0.652 ug/l

RT: 1.64 min Scan# 124

Delta R.T. -0.07 min

Lab File: VX012924.D

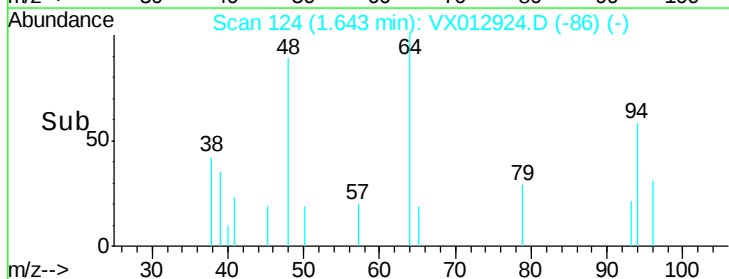
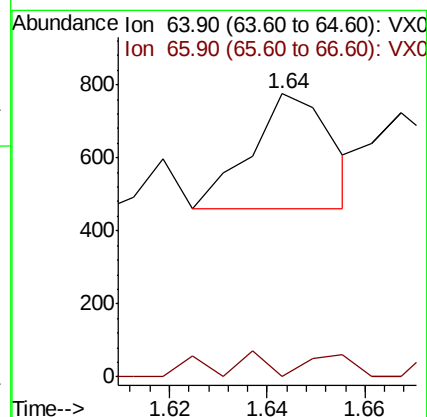
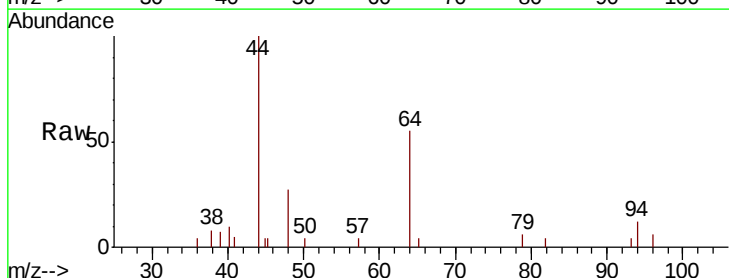
Acq: 09 Oct 2019 05:51

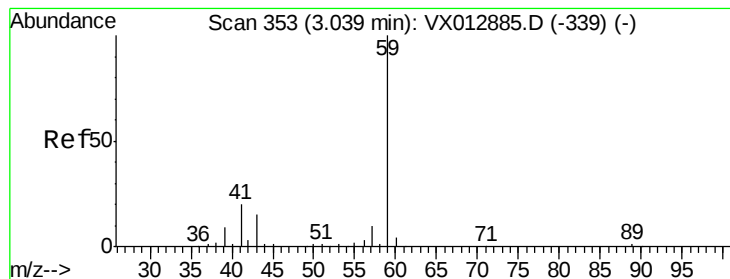
Tgt Ion: 64 Resp: 357

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



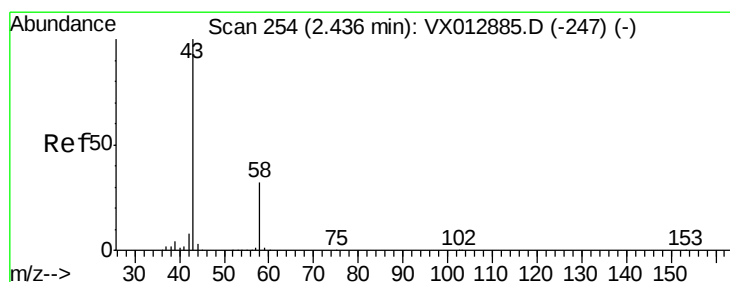
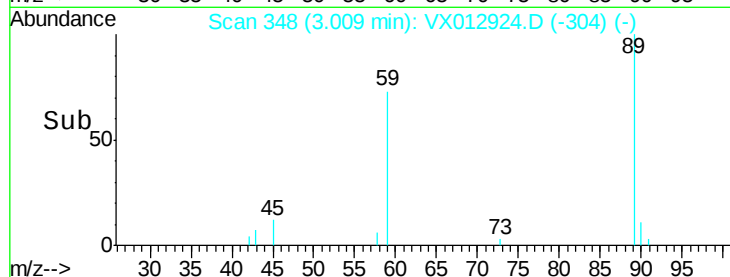
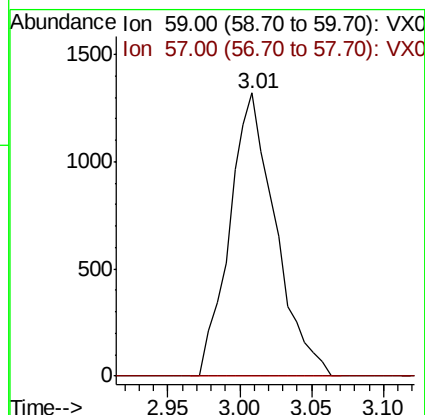
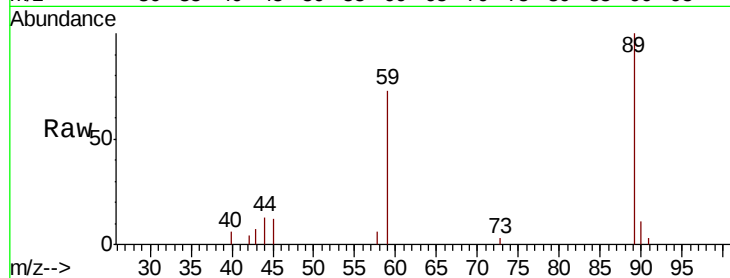


#11

Tert butyl alcohol
 Concen: 4.964 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012924.D
 Acq: 09 Oct 2019 05:51

Instrument :
 MSVOA_X
 ClientSampled :
 S49-0541DL

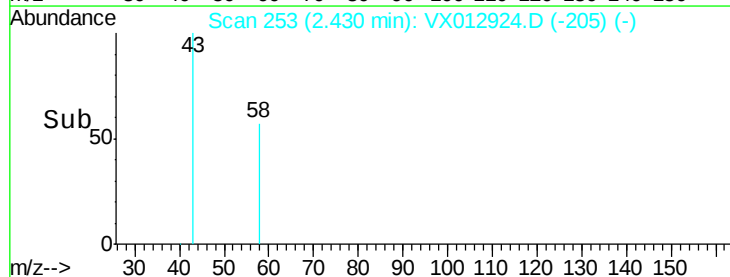
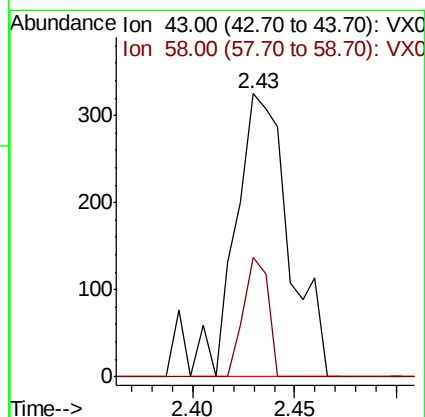
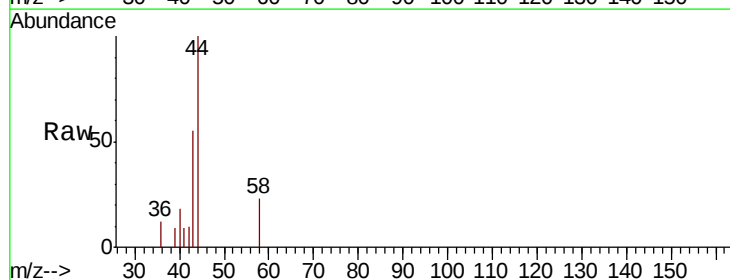
Tot Ion: 59 Resp: 2926
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

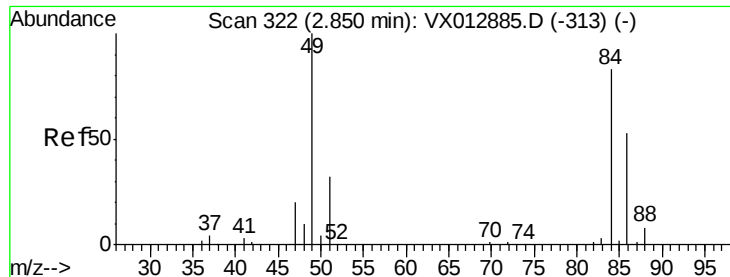


#16

Acetone
 Concen: 0.505 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012924.D
 Acq: 09 Oct 2019 05:51

Tgt Ion: 43 Resp: 592
 Ion Ratio Lower Upper
 43 100
 58 42.2 25.4 38.2#

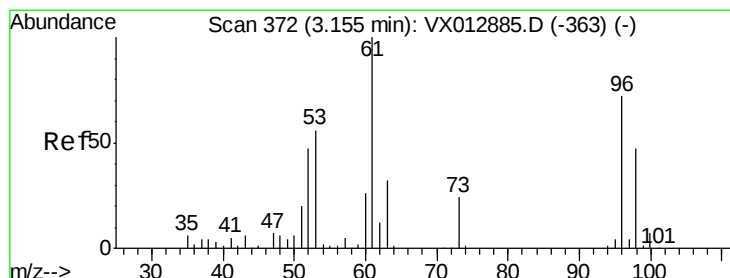
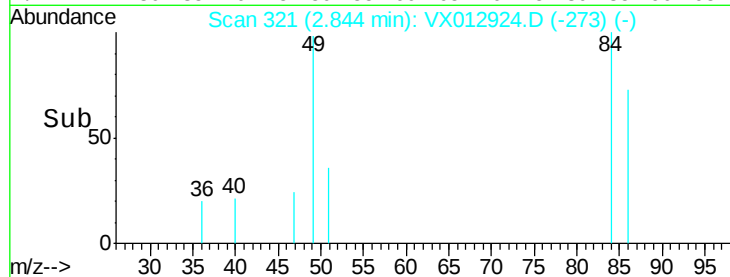
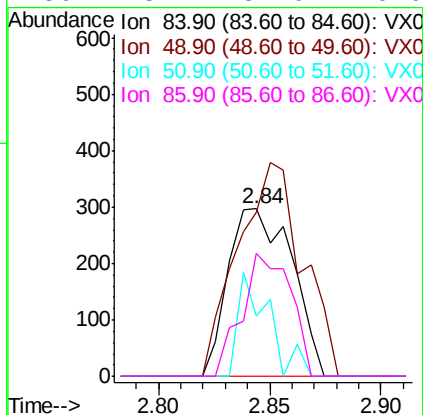
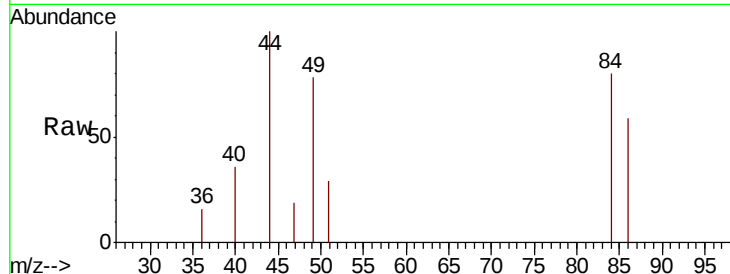




#20
Methvlene Chloride
Concen: 0.275 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012924.D
Acq: 09 Oct 2019 05:51

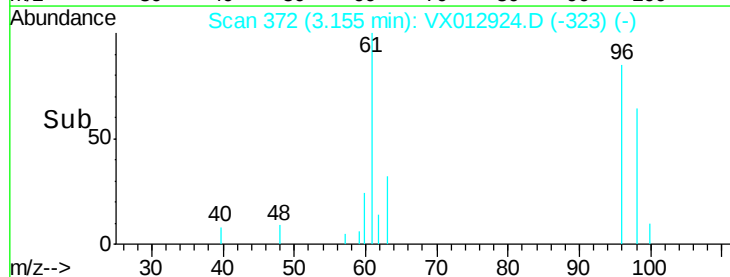
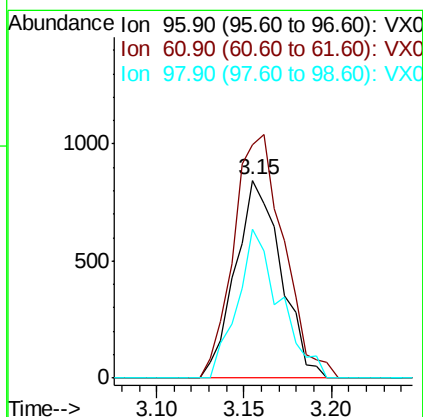
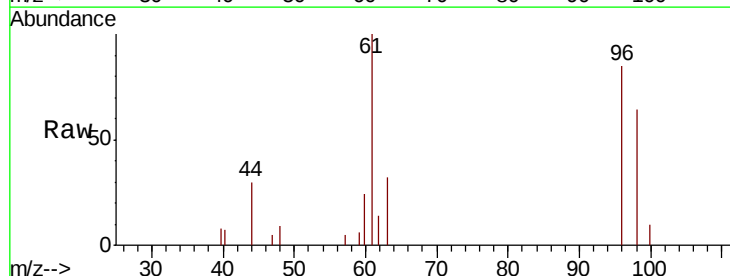
Instrument :
MSVOA_X
ClientSampled :
S49-0541DL

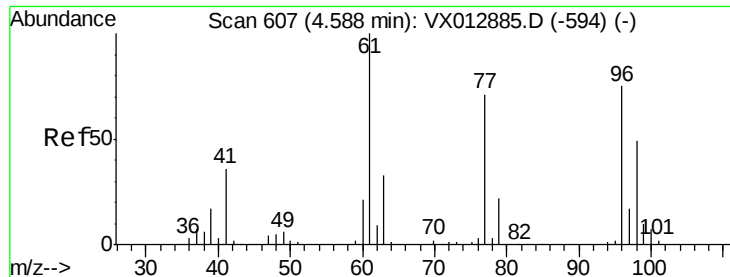
Tot Ion: 84 Resp: 592
Ion Ratio Lower Upper
84 100
49 97.6 96.6 144.8
51 35.7 30.7 46.1
86 73.4 51.0 76.6



#21
trans-1,2-Dichloroethene
Concen: 0.800 ug/l
RT: 3.15 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX012924.D
Acq: 09 Oct 2019 05:51

Tgt Ion: 96 Resp: 1541
Ion Ratio Lower Upper
96 100
61 117.9 110.4 165.6
98 75.1 51.5 77.3



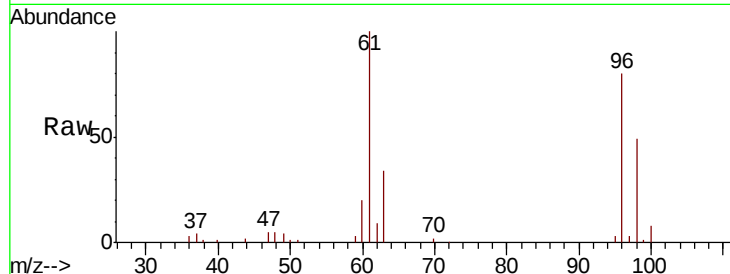


#27

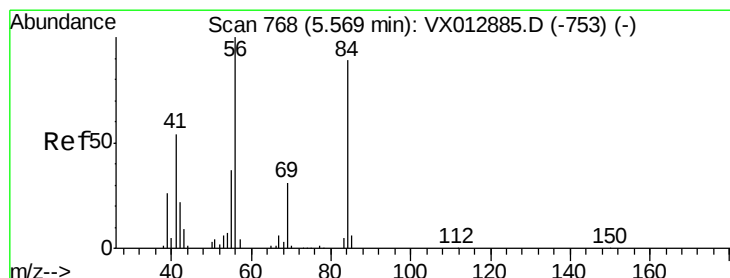
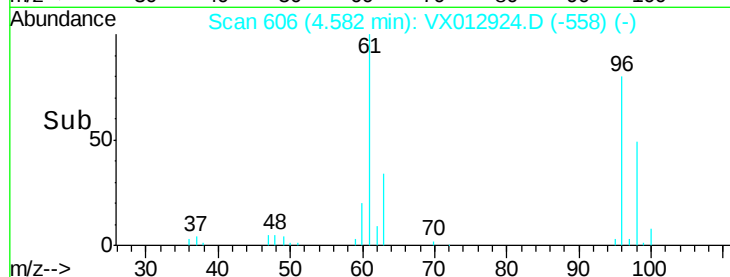
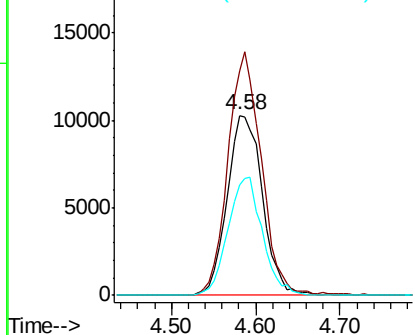
cis-1,2-Dichloroethene
 Concen: 13.149 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX012924.D
 Acq: 09 Oct 2019 05:51

Instrument :
 MSVOA_X
 ClientSampleID :
 S49-0541DL

Tot Ion: 96 Resp: 29208
 Ion Ratio Lower Upper
 96 100
 61 127.8 0.0 290.6
 98 63.7 0.0 128.8



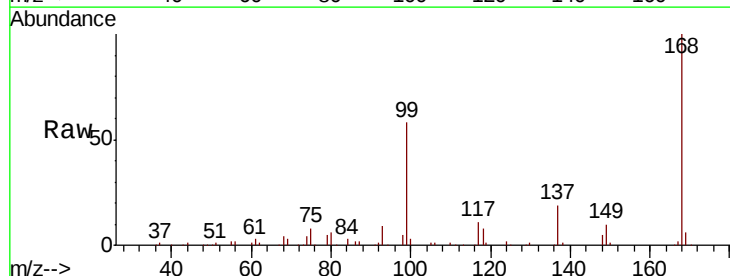
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



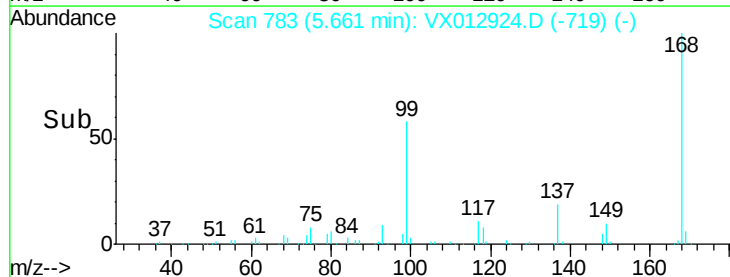
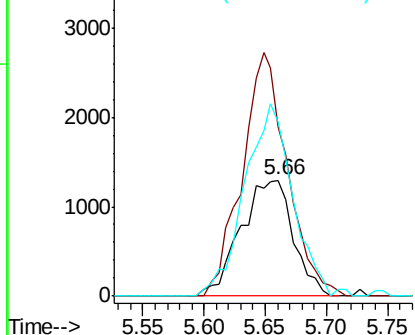
#31

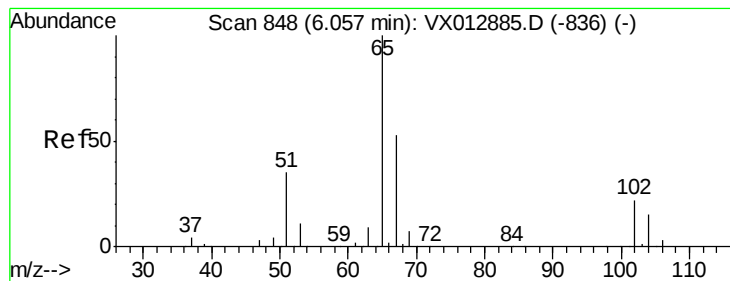
Cyclohexane
 Concen: 1.196 ug/l
 RT: 5.66 min Scan# 783
 Delta R.T. 0.09 min
 Lab File: VX012924.D
 Acq: 09 Oct 2019 05:51

Tgt Ion: 56 Resp: 3861
 Ion Ratio Lower Upper
 56 100
 69 146.3 25.2 37.8#
 84 150.7 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: 52.358 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012924.D

Acq: 09 Oct 2019 05:51

Instrument :

MSVOA_X

ClientSampleId :

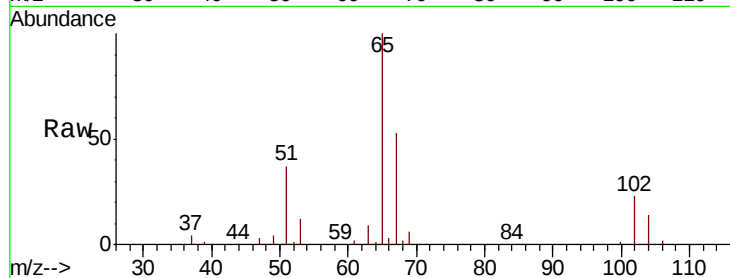
S49-0541DL

Tot Ion: 65 Resp: 116431

Ion Ratio Lower Upper

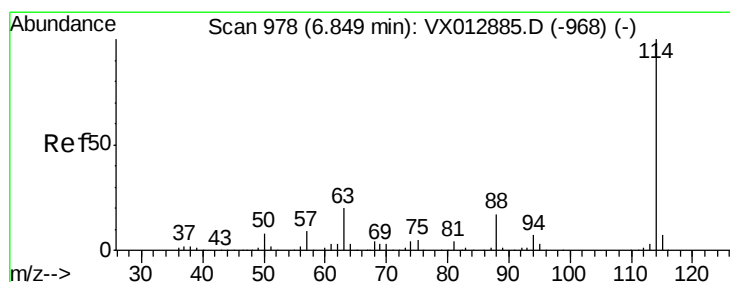
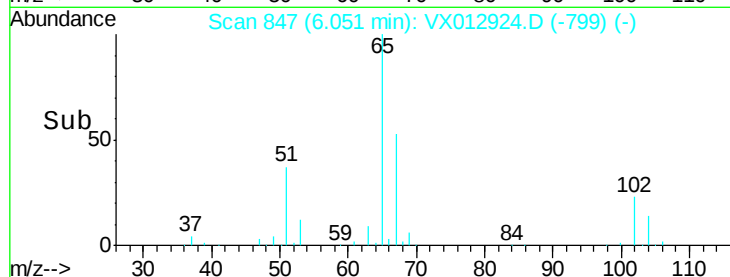
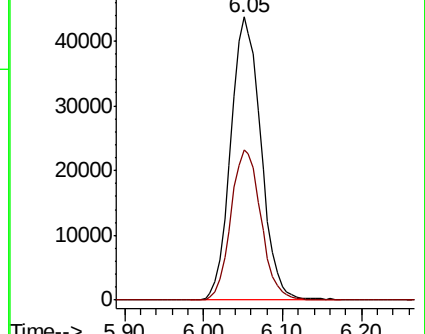
65 100

67 52.9 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: VX012924.D

Acq: 09 Oct 2019 05:51

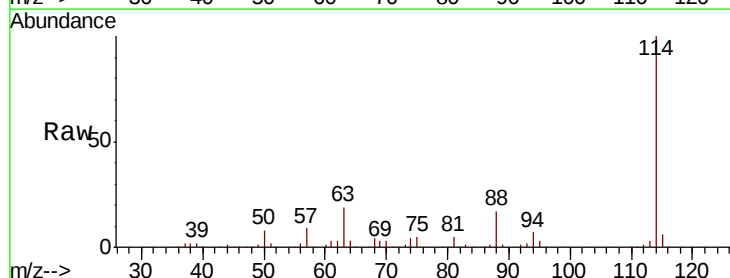
Tgt Ion: 114 Resp: 305412

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

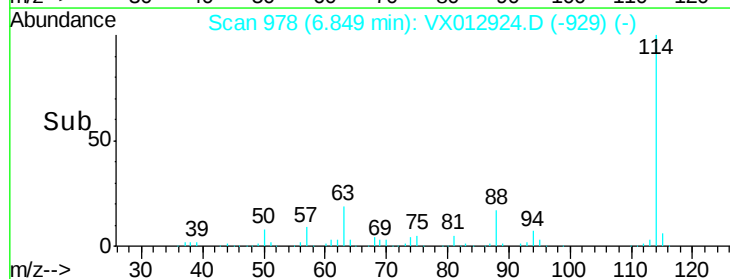
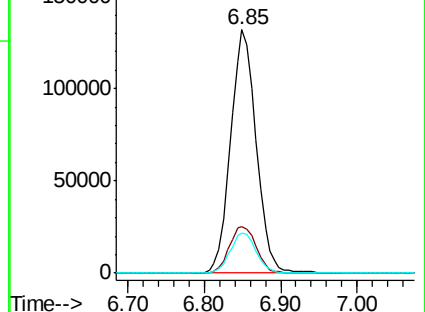
88 16.6 0.0 33.8

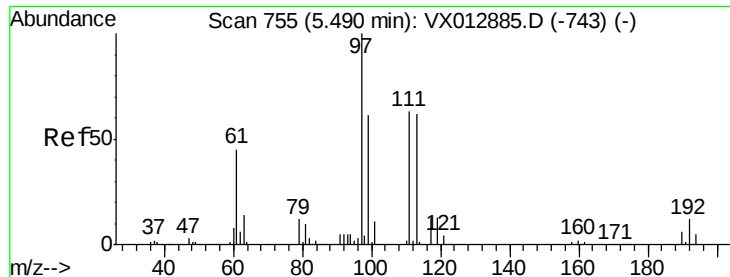


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

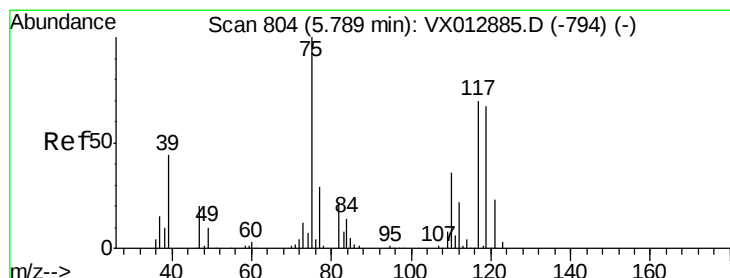
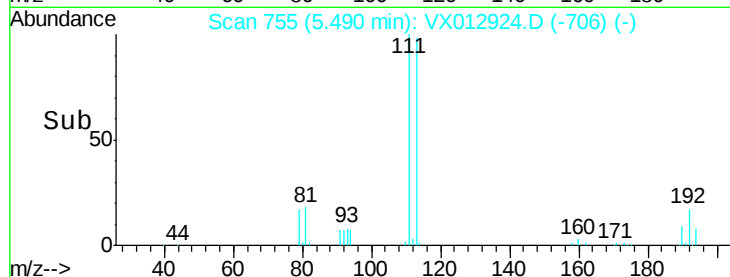
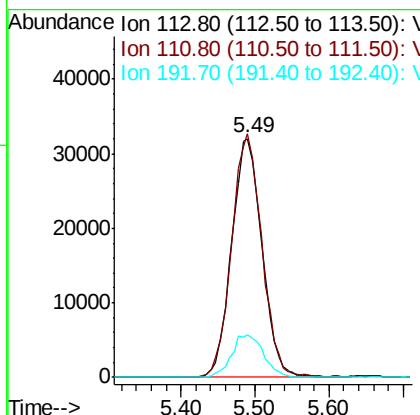
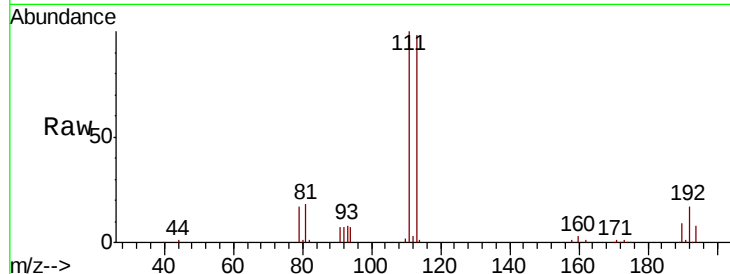




#35
 Dibromofluoromethane
 Concen: 52.272 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012924.D
 Acq: 09 Oct 2019 05:51

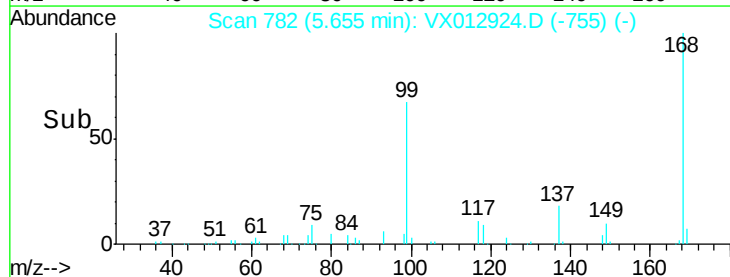
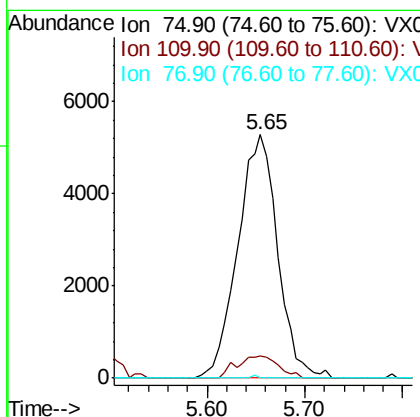
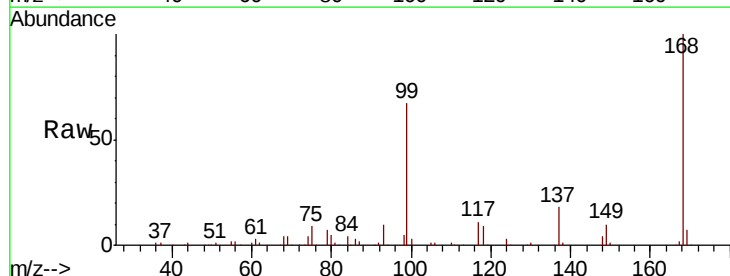
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0541DL

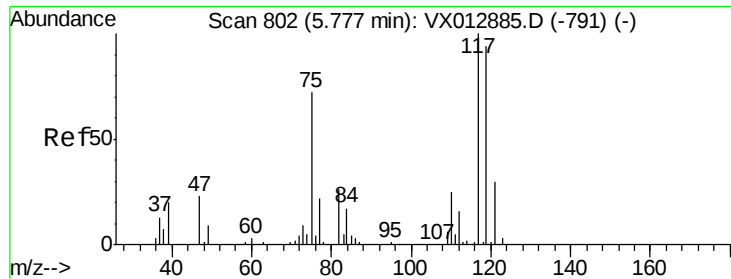
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.2	124.8
192	18.5	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 5.549 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012924.D
 Acq: 09 Oct 2019 05:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.6	52.9#
77	0.1	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 7.156 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012924.D

Acq: 09 Oct 2019 05:51

Instrument :

MSVOA_X

ClientSampled :

S49-0541DL

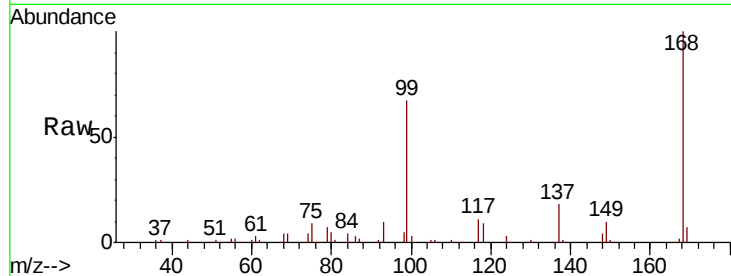
Tot Ion:117 Resp: 18704

Ion Ratio Lower Upper

117 100

119 4.2 74.5 111.7#

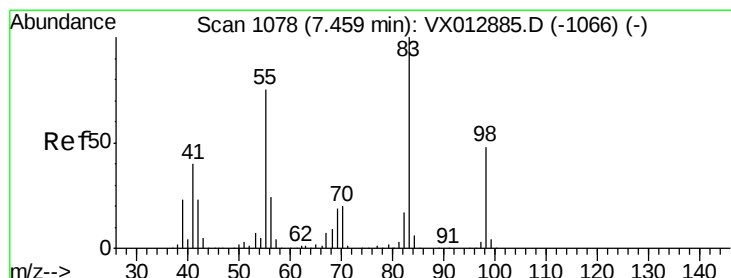
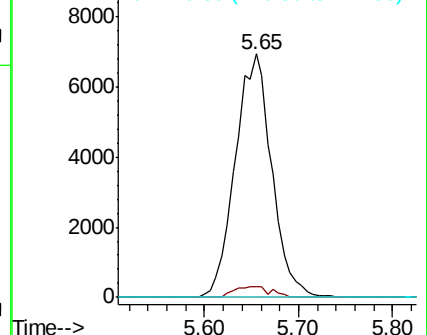
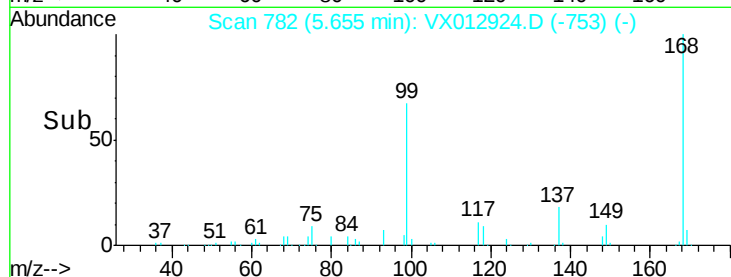
121 0.0 24.2 36.4#



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



#39

Methylcyclohexane

Concen: 0.680 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.26 min

Lab File: VX012924.D

Acq: 09 Oct 2019 05:51

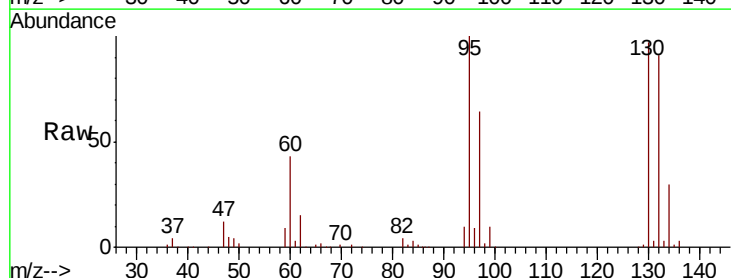
Tgt Ion: 83 Resp: 2214

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

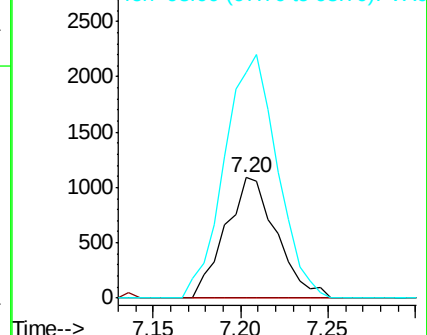
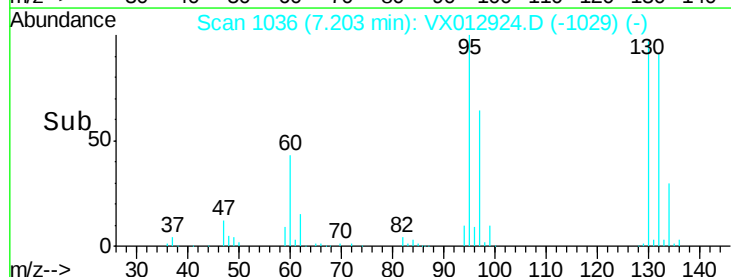
98 187.6 38.5 57.7#

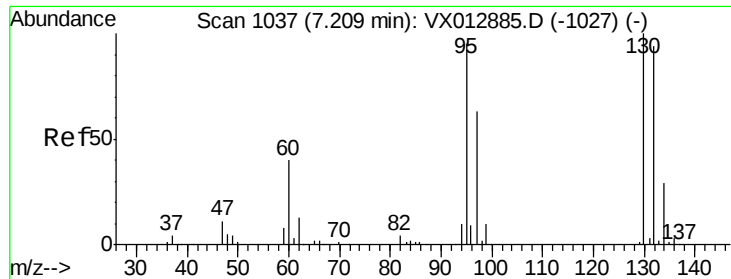


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

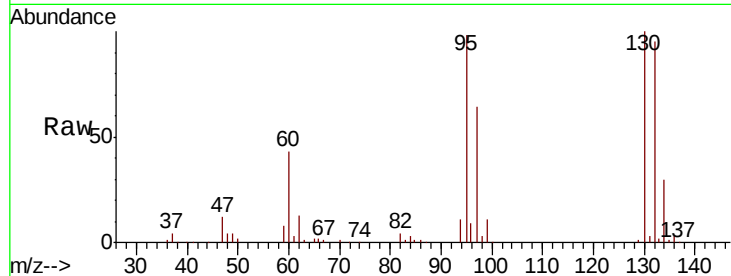




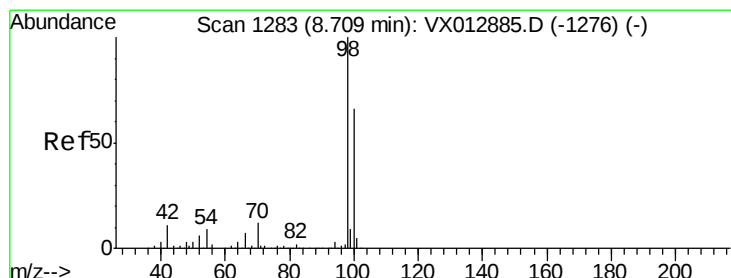
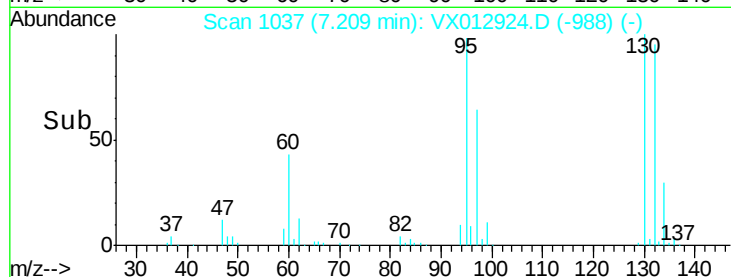
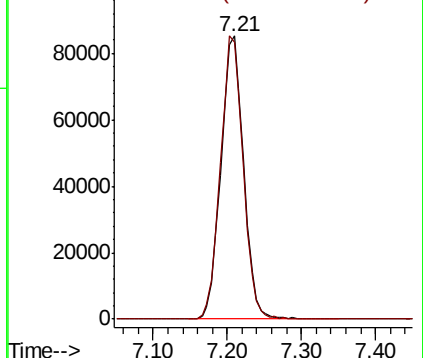
#44
 Trichloroethene
 Concen: 82.181 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX012924.D
 Acq: 09 Oct 2019 05:51

Instrument :
 MSVOA_X
 ClientSampleID :
 S49-0541DL

Tot Ion:130 Resp: 180734
 Ion Ratio Lower Upper
 130 100
 95 97.9 0.0 189.2

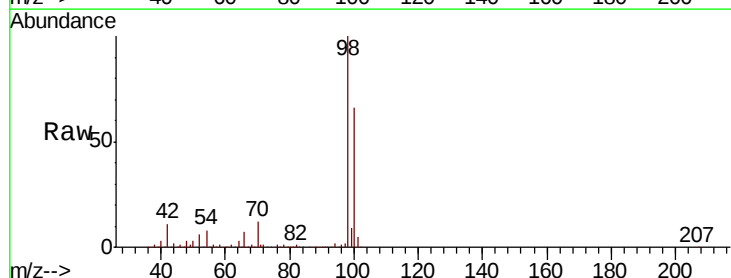


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

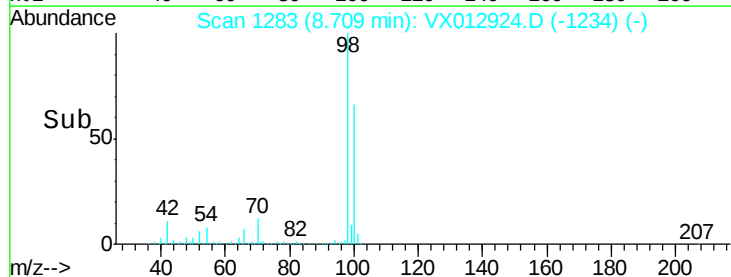
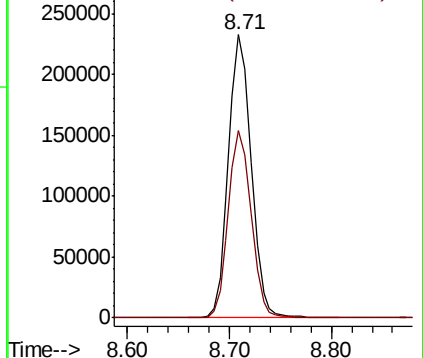


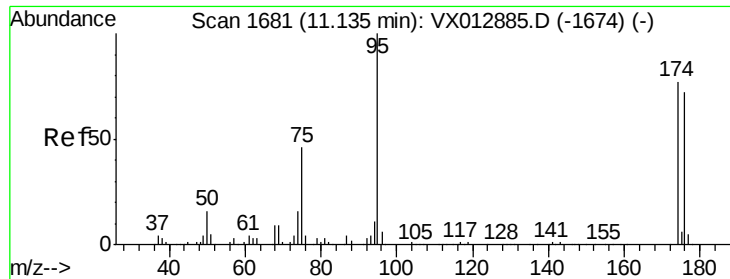
#50
 Toluene-d8
 Concen: 52.593 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012924.D
 Acq: 09 Oct 2019 05:51

Tgt Ion: 98 Resp: 359564
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

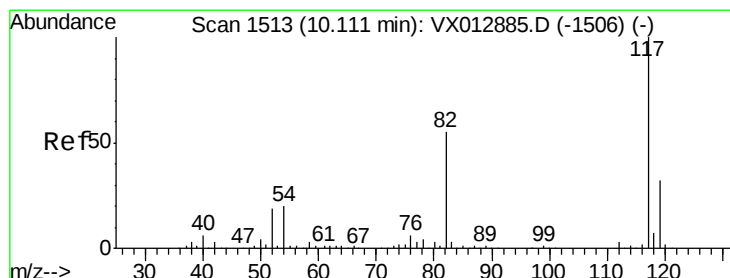
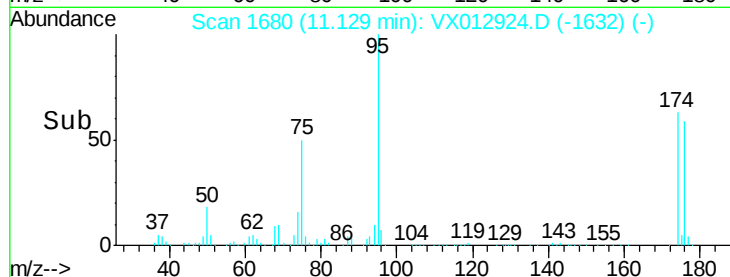
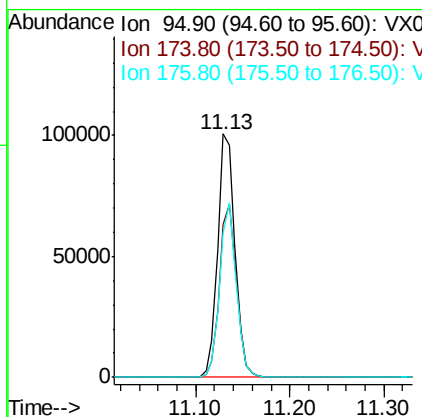
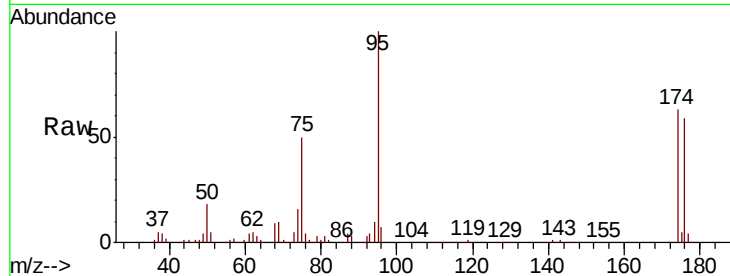




#62
4-Bromofluorobenzene
Concen: 48.359 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012924.D
Acq: 09 Oct 2019 05:51

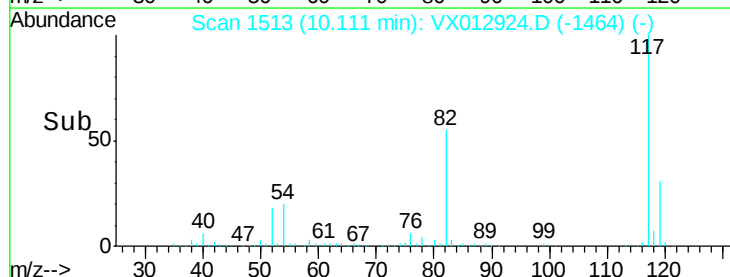
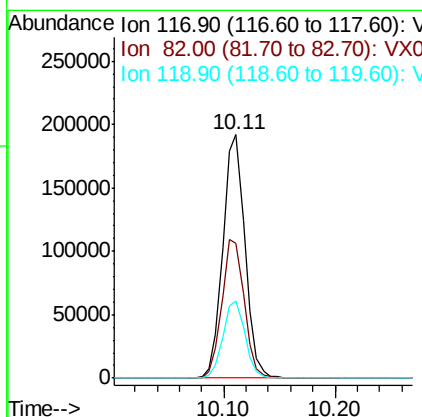
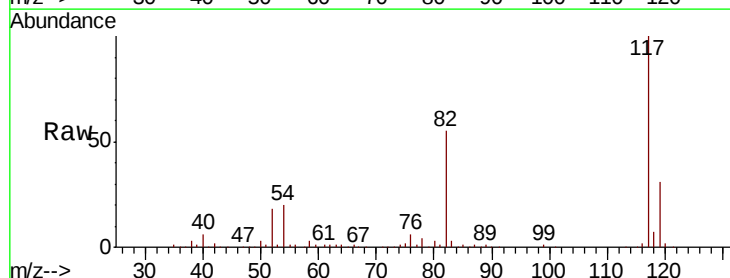
Instrument :
MSVOA_X
ClientSampled :
S49-0541DL

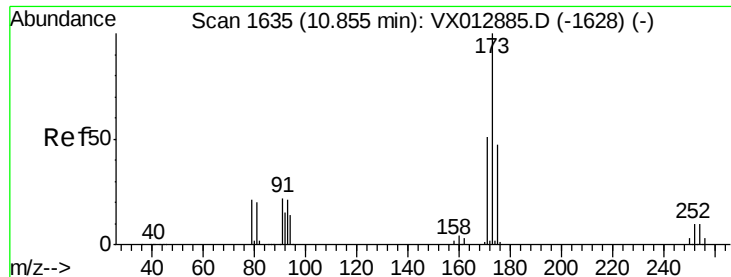
Tot Ion: 95 Resp: 128465
Ion Ratio Lower Upper
95 100
174 70.4 0.0 143.4
176 68.4 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012924.D
Acq: 09 Oct 2019 05:51

Tgt Ion: 117 Resp: 264074
Ion Ratio Lower Upper
117 100
82 55.3 44.1 66.1
119 31.5 25.8 38.8

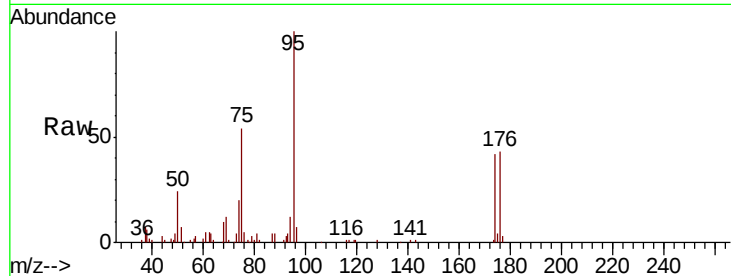




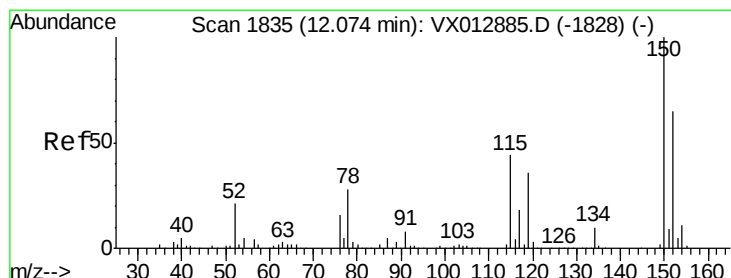
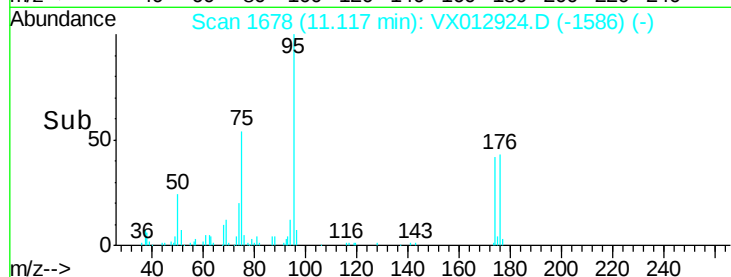
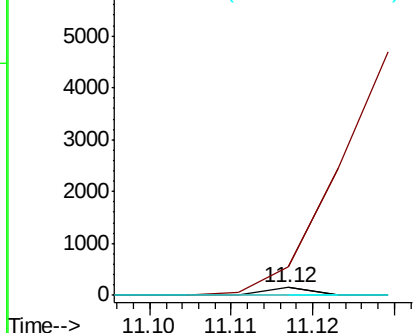
#71
Bromoform
Concen: 3.165 ug/l
RT: 11.12 min Scan# 1678
Delta R.T. 0.26 min
Lab File: VX012924.D
Acq: 09 Oct 2019 05:51

Instrument :
MSVOA_X
ClientSampleId :
S49-0541DL

Tot Ion:173 Resp: 53
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.1 0.1#

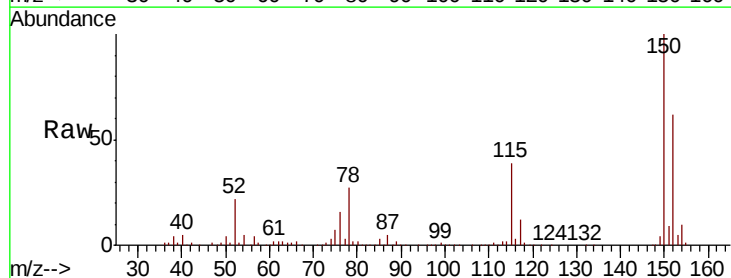


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

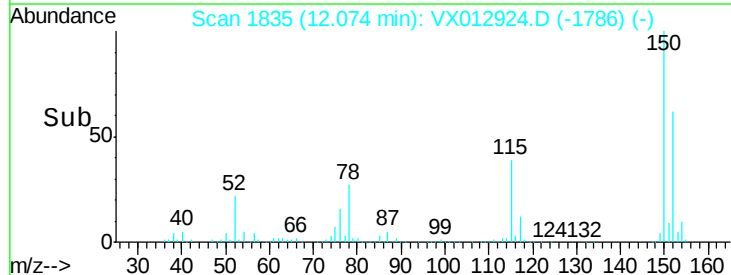
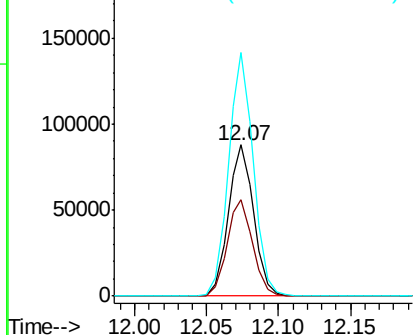


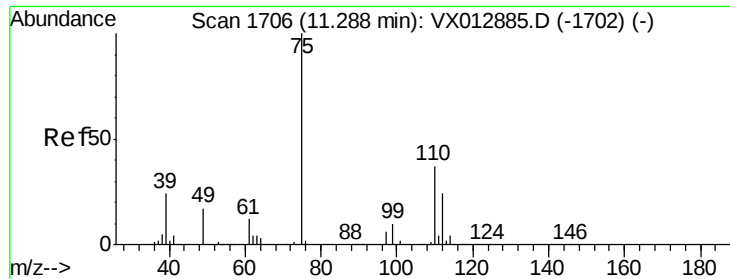
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012924.D
Acq: 09 Oct 2019 05:51

Tgt Ion:152 Resp: 108502
Ion Ratio Lower Upper
152 100
115 64.3 44.5 133.5
150 158.0 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: 26.564 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012924.D

Acq: 09 Oct 2019 05:51

Instrument :

MSVOA_X

ClientSampled :

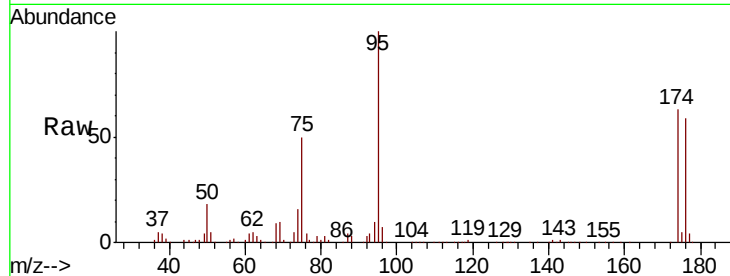
S49-0541DL

Tot Ion: 75 Resp: 63927

Ion Ratio Lower Upper

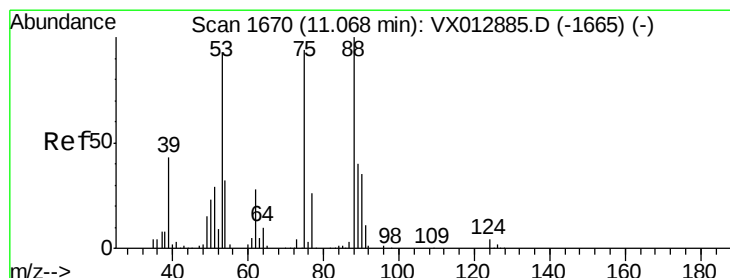
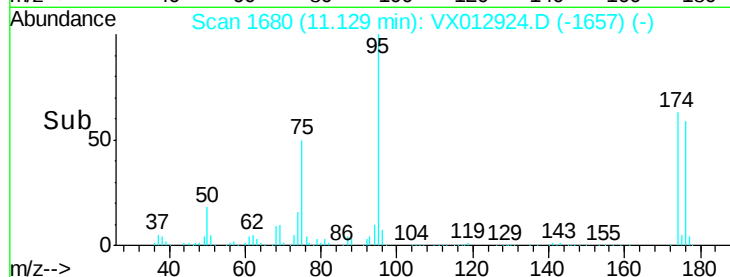
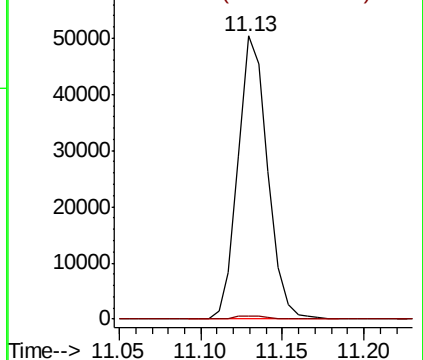
75 100

77 1.3 22.9 68.8#



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: 66.812 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012924.D

Acq: 09 Oct 2019 05:51

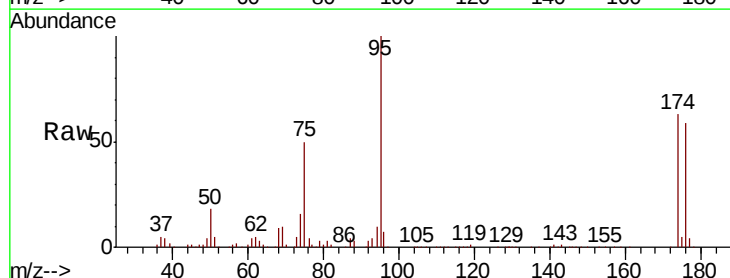
Tgt Ion: 75 Resp: 63927

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

