

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012875.D
 Acq On : 08 Oct 2019 06:46
 Operator : JC/SP
 Sample : K5122-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:18:38 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	179274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301979	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107922	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	118921	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
35) Dibromofluoromethane	5.49	113	92022	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
50) Toluene-d8	8.71	98	361958	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	11.14	95	127735	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	

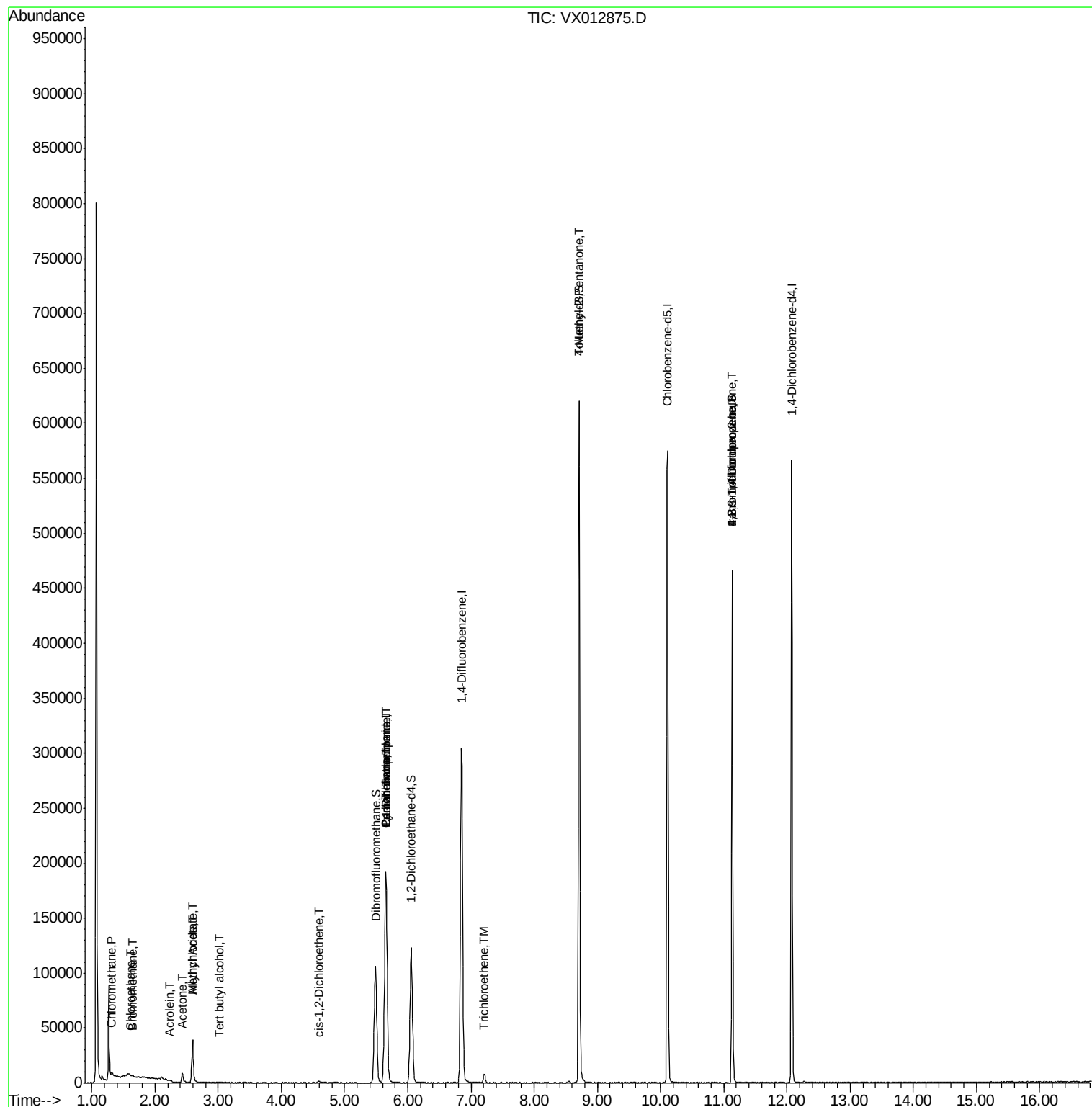
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	763	0.329	ug/l #	83
5) Bromomethane	1.65	94	266	0.294	ug/l #	60
6) Chloroethane	1.62	64	2078	1.339	ug/l #	59
11) Tert butyl alcohol	3.03	59	1014	1.555	ug/l #	72
13) Acrolein	2.23	56	86	10.460	ug/l	84
14) Allyl chloride	2.59	41	4159	1.088	ug/l #	69
16) Acetone	2.44	43	9754	7.054	ug/l	94
18) Methyl Acetate	2.59	43	10880	3.342	ug/l #	54
27) cis-1,2-Dichloroethene	4.59	96	763	0.308	ug/l	83
31) Cyclohexane	5.65	56	3638	1.001	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14857	5.104	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18318	6.195	ug/l #	16
44) Trichloroethene	7.21	130	3207	1.465	ug/l	83
51) 4-Methyl-2-Pentanone	8.71	43	1638	0.466	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	64904	22.735	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	64904	65.153	ug/l #	8

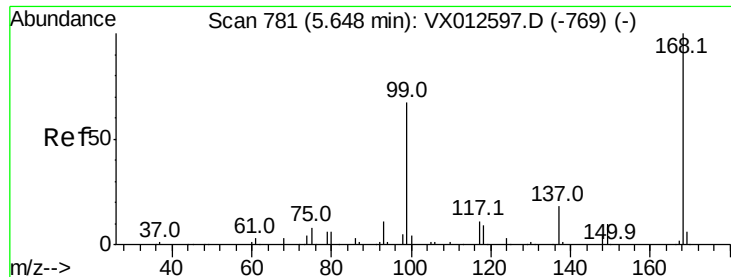
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012875.D

Acq: 08 Oct 2019 06:46

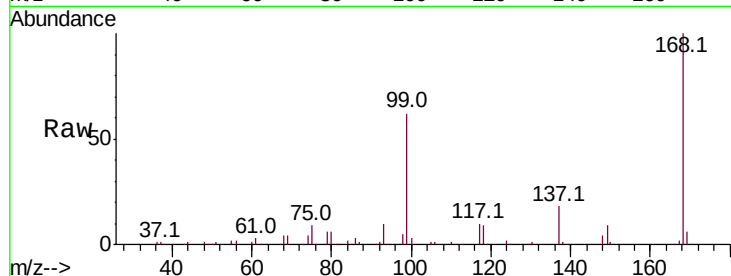
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 179274

Ion Ratio Lower Upper

168 100

99 62.5 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

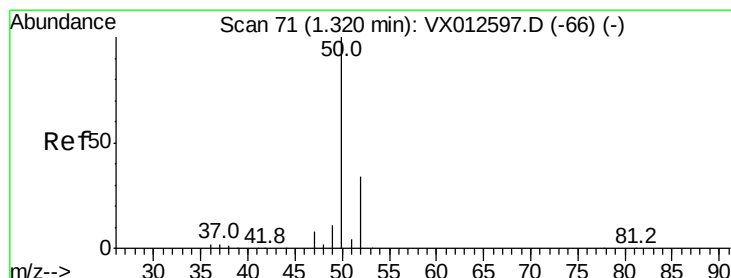
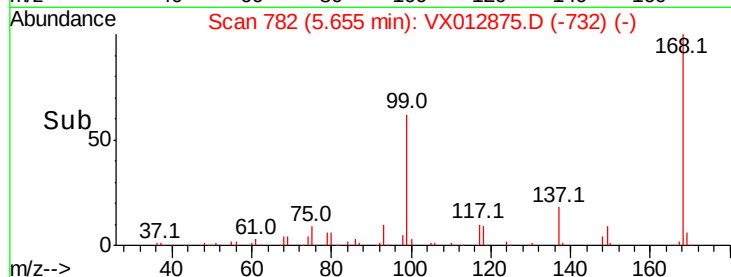
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.329 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012875.D

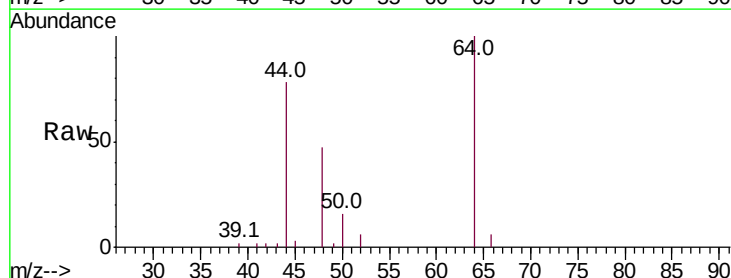
Acq: 08 Oct 2019 06:46

Tgt Ion: 50 Resp: 763

Ion Ratio Lower Upper

50 100

52 41.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

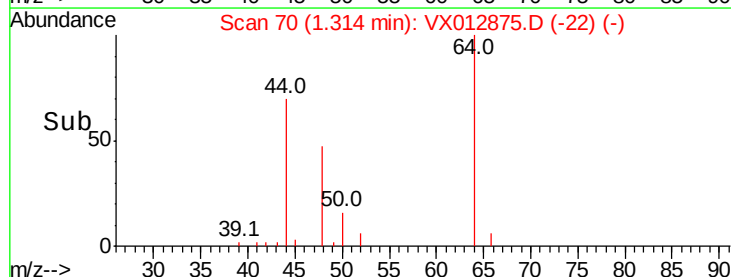
1500

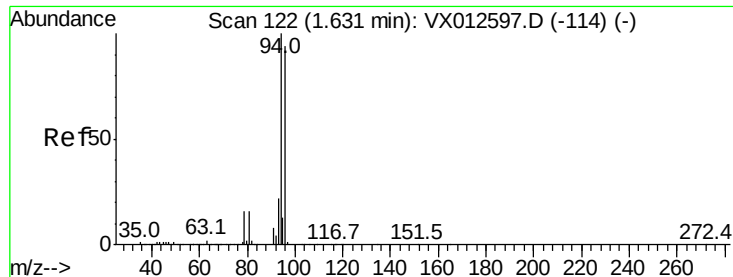
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.294 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012875.D

Acq: 08 Oct 2019 06:46

Instrument :

MSVOA_X

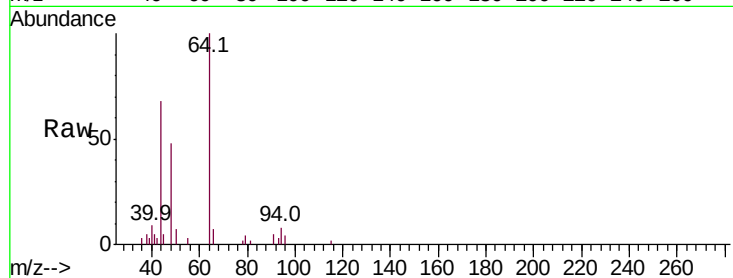
ClientSampled :

Tot Ion: 94 Resp: 266

Ion Ratio Lower Upper

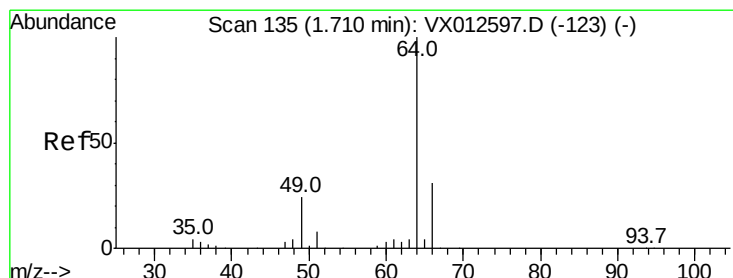
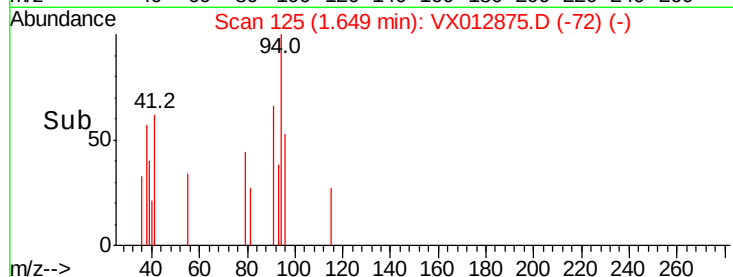
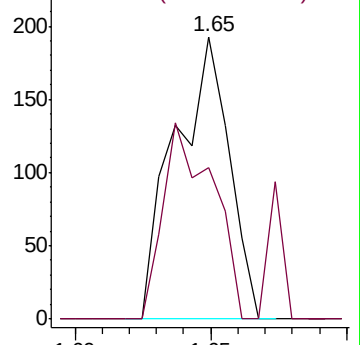
94 100

96 53.4 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.339 ug/l

RT: 1.62 min Scan# 120

Delta R.T. -0.09 min

Lab File: VX012875.D

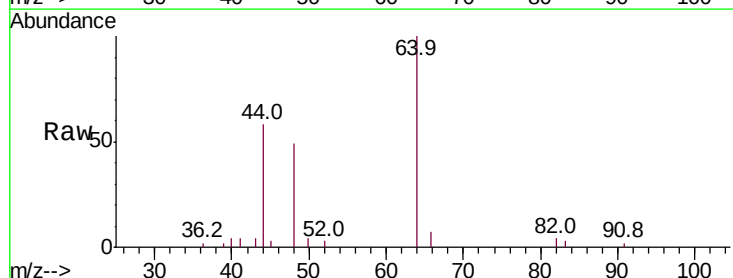
Acq: 08 Oct 2019 06:46

Tgt Ion: 64 Resp: 2078

Ion Ratio Lower Upper

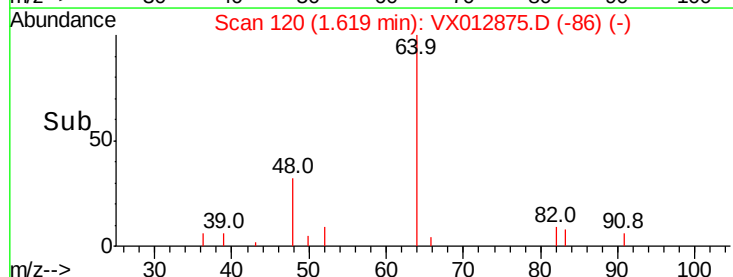
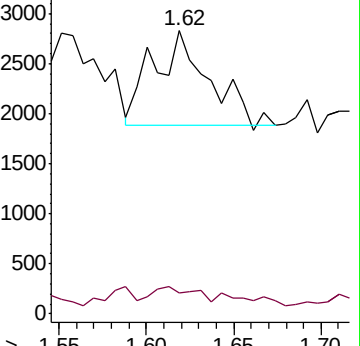
64 100

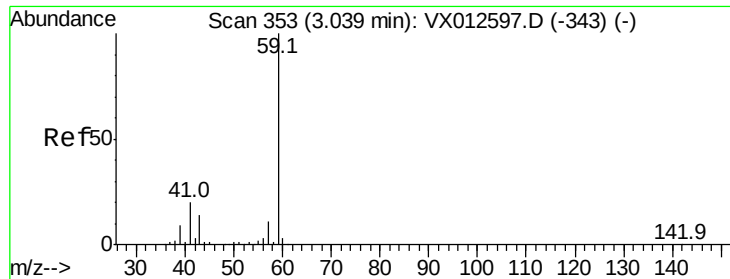
66 7.9 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

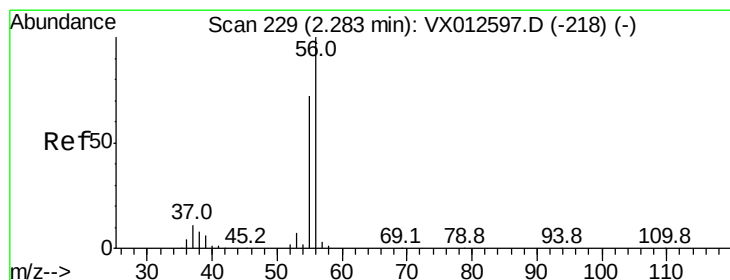
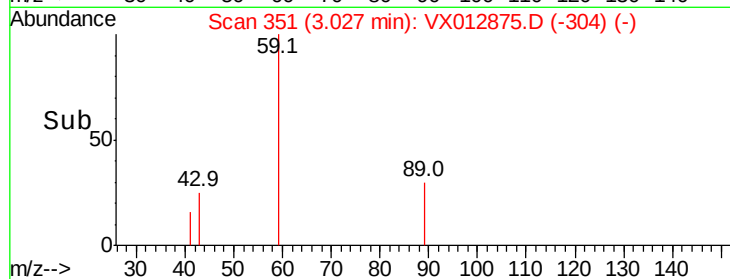
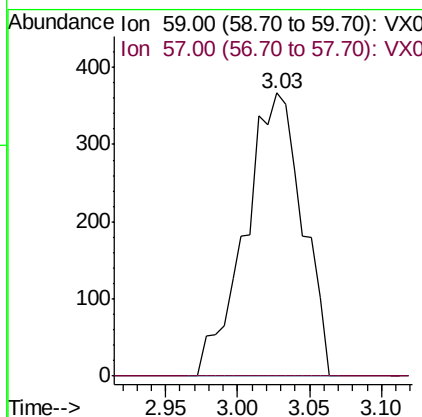
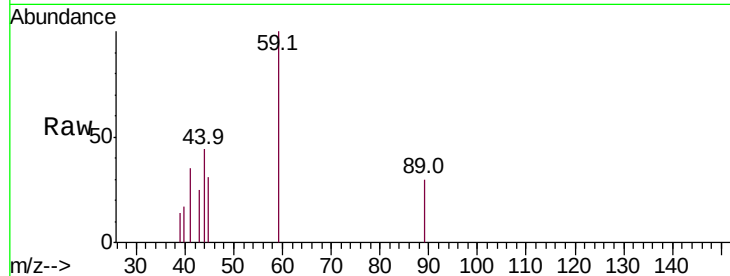




#11
Tert butyl alcohol
Concen: 1.555 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012875.D
Acq: 08 Oct 2019 06:46

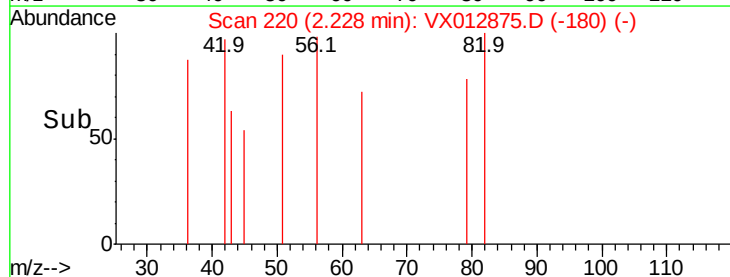
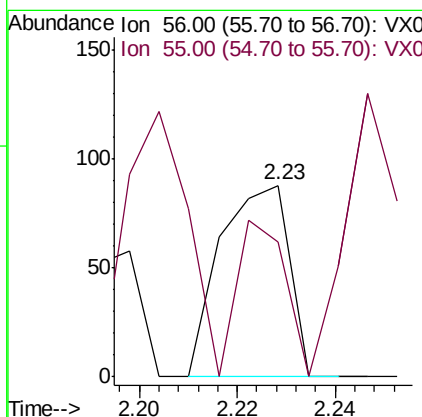
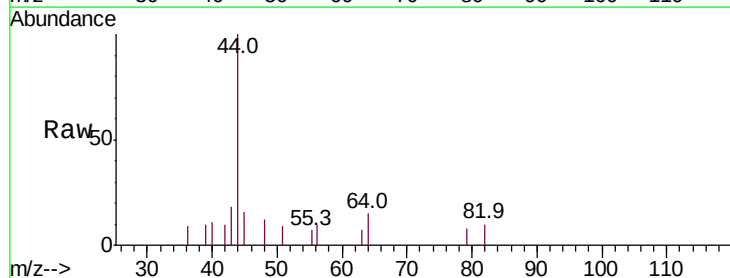
Instrument :
MSVOA_X
ClientSampleId :

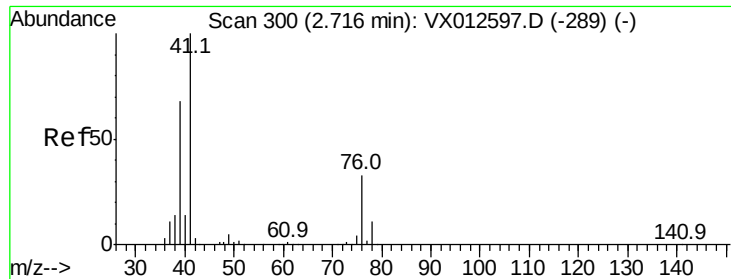
Tot Ion: 59 Resp: 1014
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 10.460 ug/l
RT: 2.23 min Scan# 220
Delta R.T. -0.05 min
Lab File: VX012875.D
Acq: 08 Oct 2019 06:46

Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 57.0 55.8 83.8

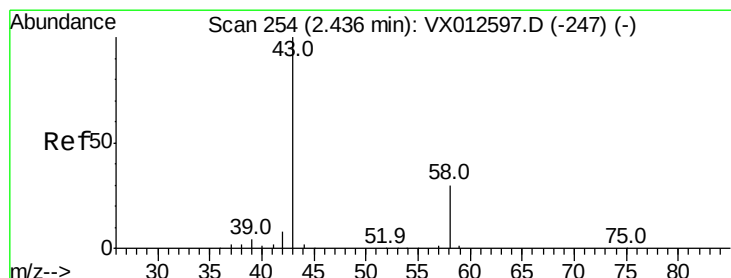
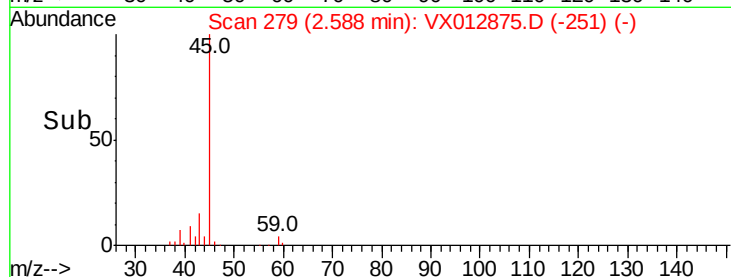
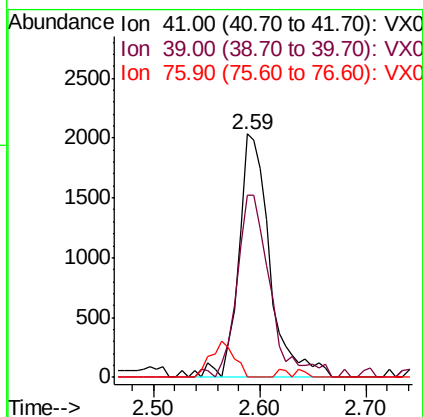
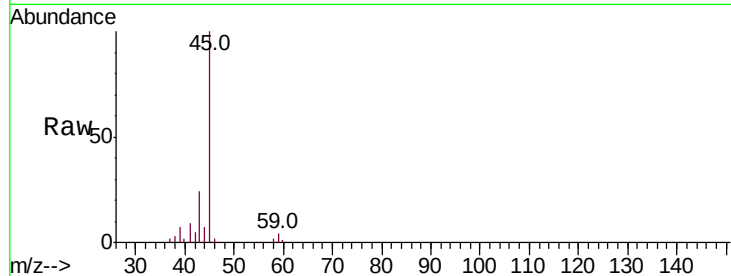




#14
Allvl chloride
Concen: 1.088 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.13 min
Lab File: VX012875.D
Acq: 08 Oct 2019 06:46

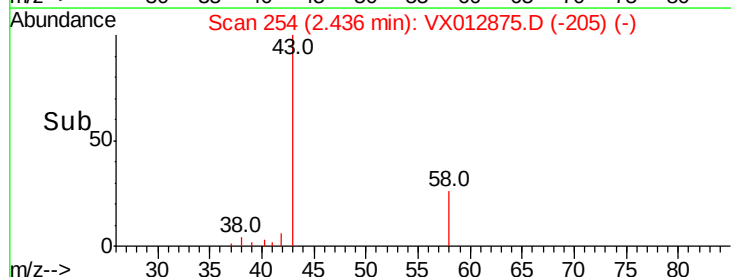
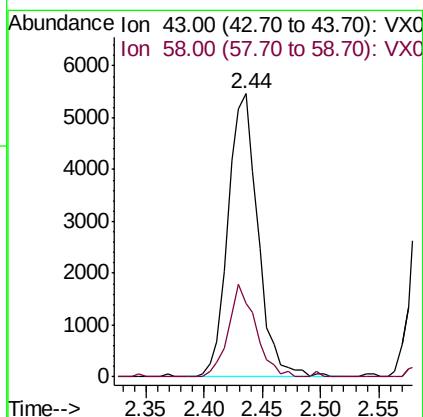
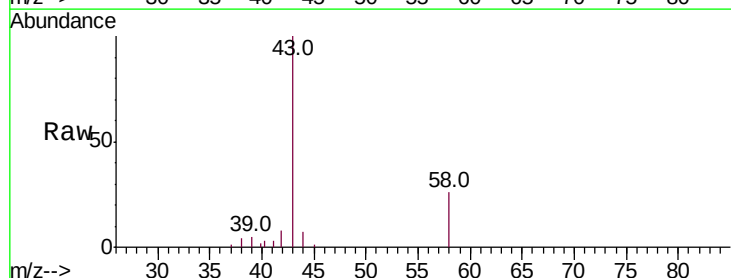
Instrument :
MSVOA_X
ClientSampleId :

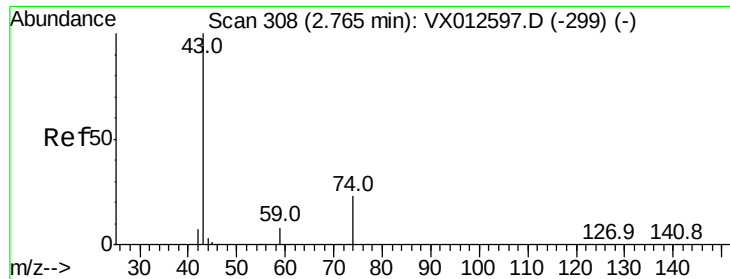
Tot Ion: 41 Resp: 4159
Ion Ratio Lower Upper
41 100
39 80.7 51.3 76.9#
76 0.0 22.6 33.8#



#16
Acetone
Concen: 7.054 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012875.D
Acq: 08 Oct 2019 06:46

Tgt Ion: 43 Resp: 9754
Ion Ratio Lower Upper
43 100
58 26.0 23.3 34.9

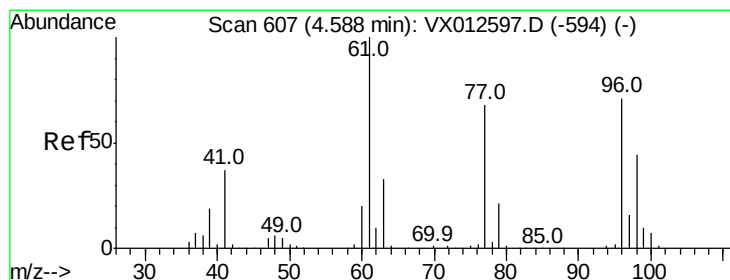
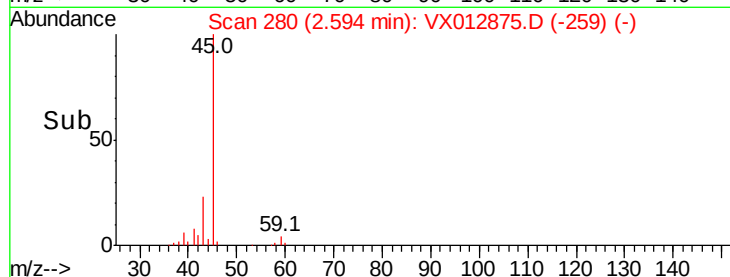
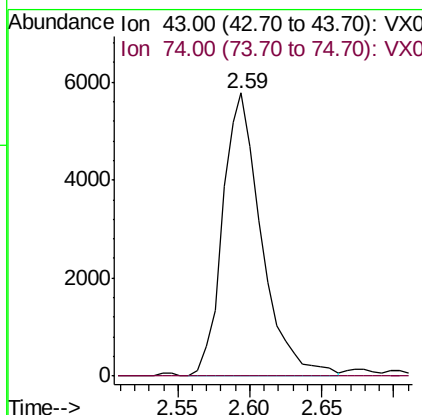
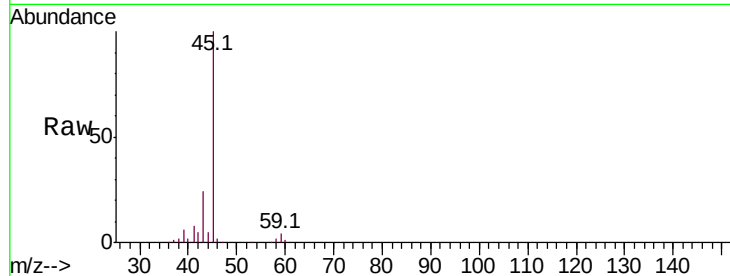




#18
Methyl Acetate
Concen: 3.342 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012875.D
Acq: 08 Oct 2019 06:46

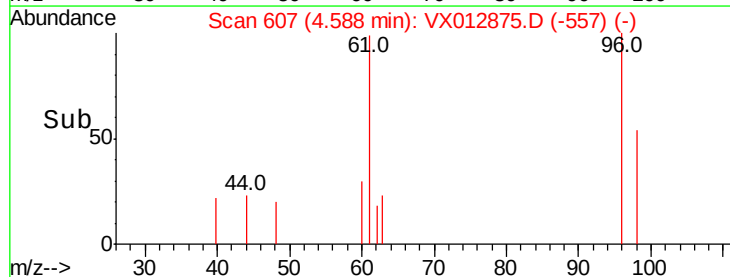
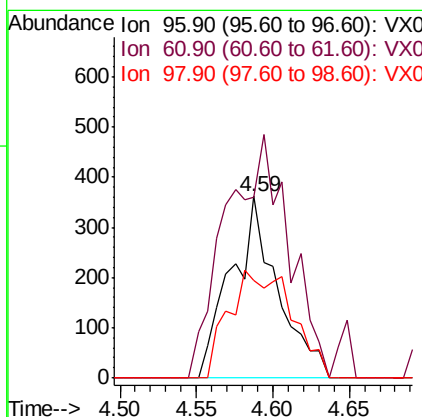
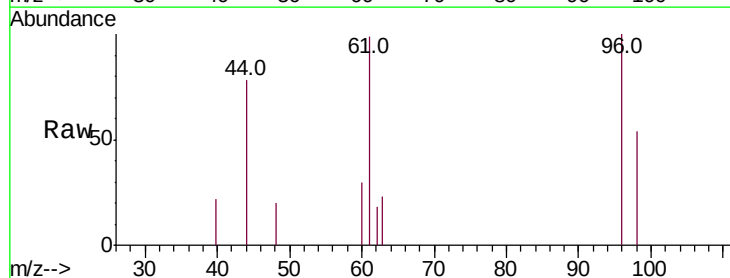
Instrument :
MSVOA_X
ClientSampleId :

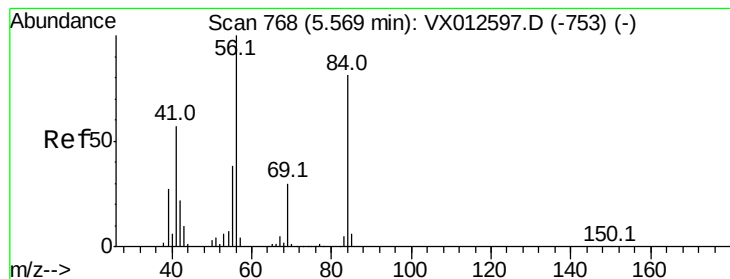
Tot Ion: 43 Resp: 10880
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#27
cis-1,2-Dichloroethene
Concen: 0.308 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012875.D
Acq: 08 Oct 2019 06:46

Tgt Ion: 96 Resp: 763
Ion Ratio Lower Upper
96 100
61 181.4 0.0 319.4
98 80.3 0.0 130.6





#31

Cyclohexane

Concen: 1.001 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012875.D

Acq: 08 Oct 2019 06:46

Instrument :
MSVOA_X
ClientSampleId :

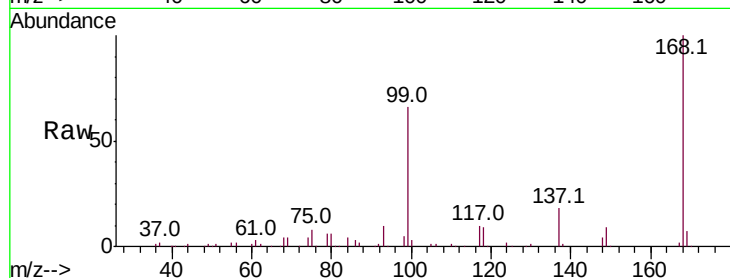
Tot Ion: 56 Resp: 3638

Ion Ratio Lower Upper

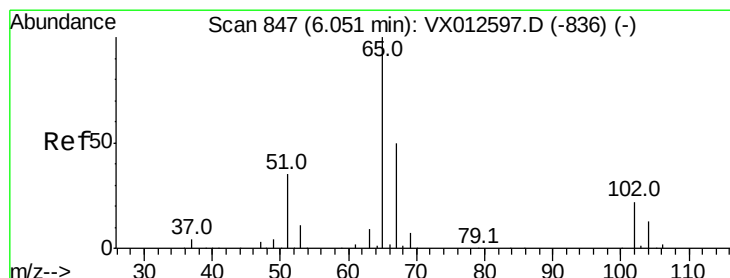
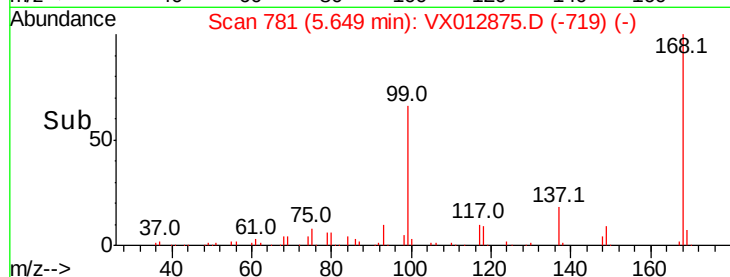
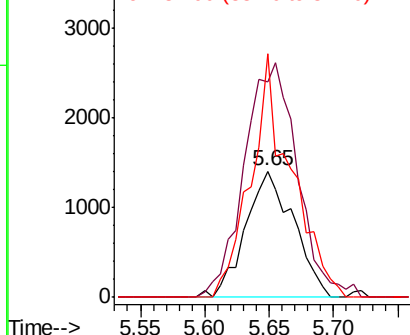
56 100

69 171.2 25.0 37.6#

84 193.5 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: 45.554 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012875.D

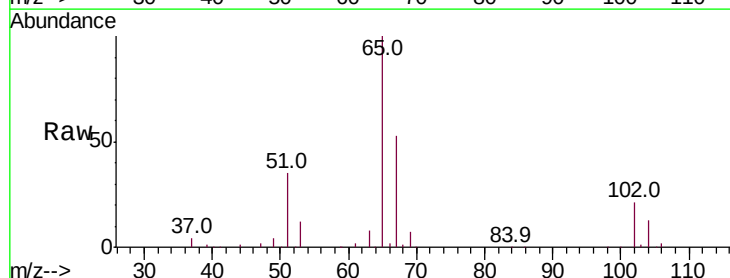
Acq: 08 Oct 2019 06:46

Tgt Ion: 65 Resp: 118921

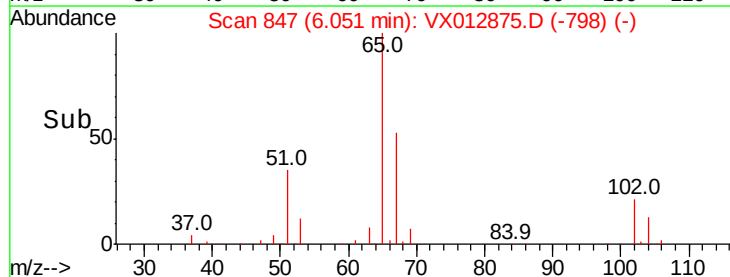
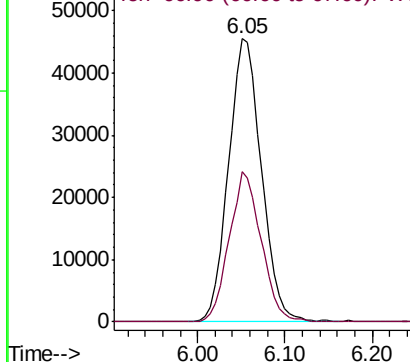
Ion Ratio Lower Upper

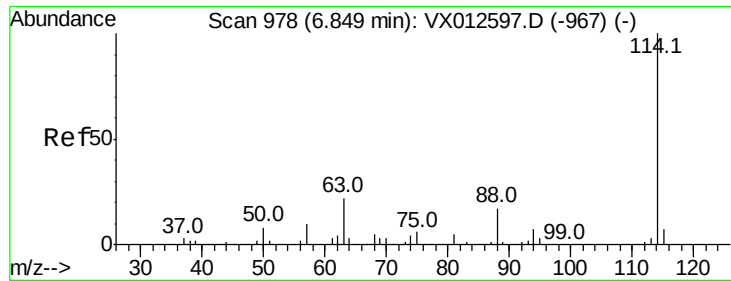
65 100

67 51.7 0.0 101.2



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

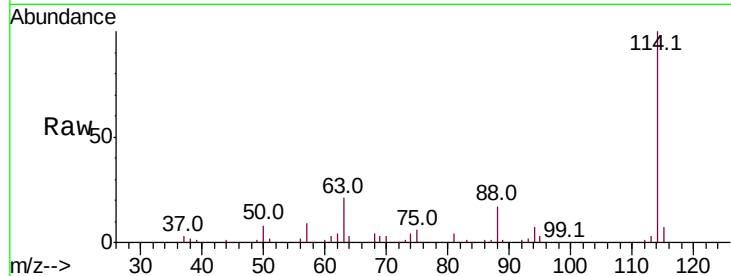




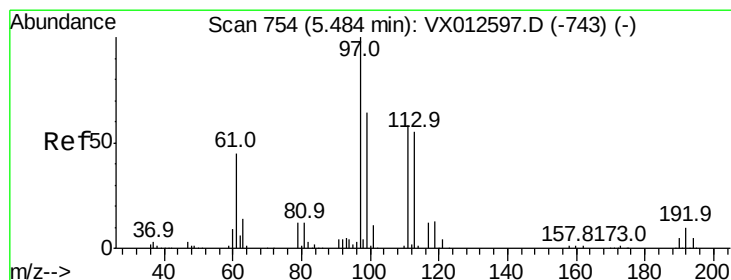
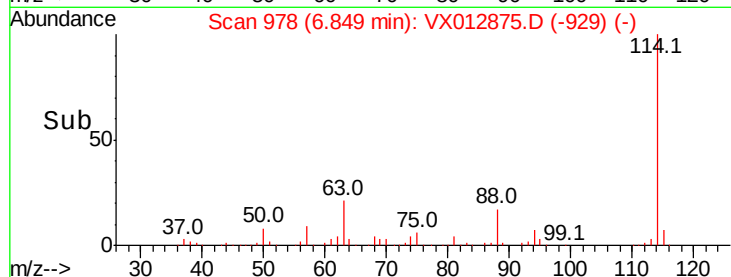
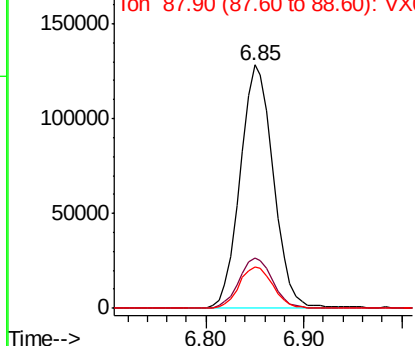
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012875.D
 Acq: 08 Oct 2019 06:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.2
88	17.1	0.0	33.2

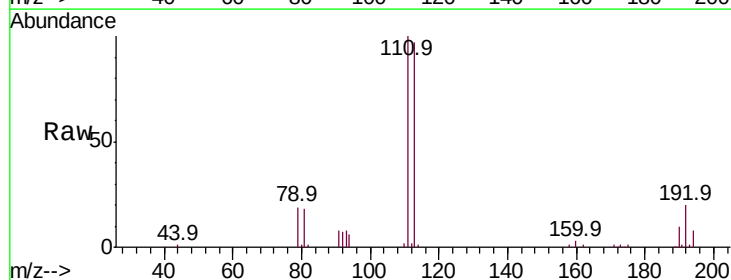


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

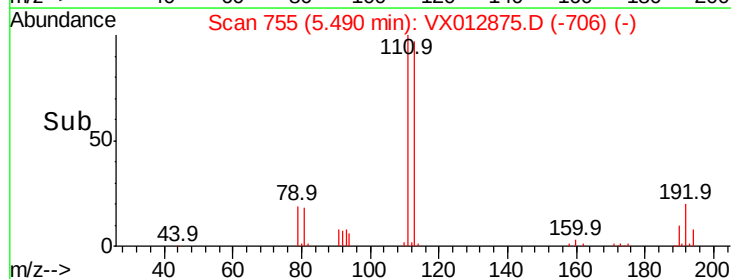
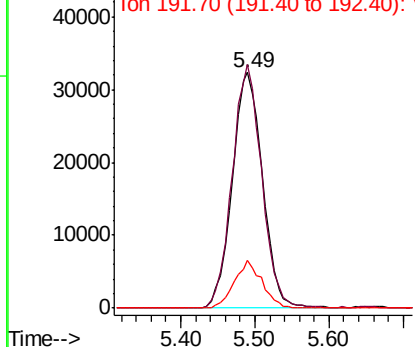


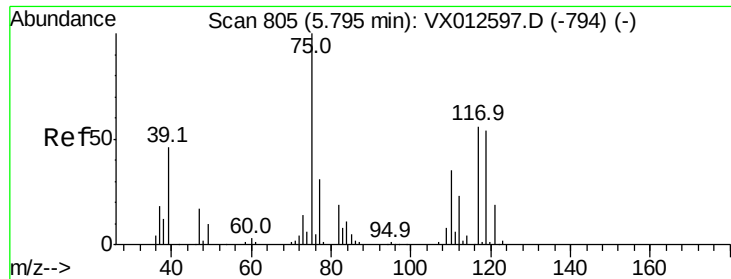
#35
 Dibromofluoromethane
 Concen: 51.168 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012875.D
 Acq: 08 Oct 2019 06:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.4	125.2
192	18.5	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

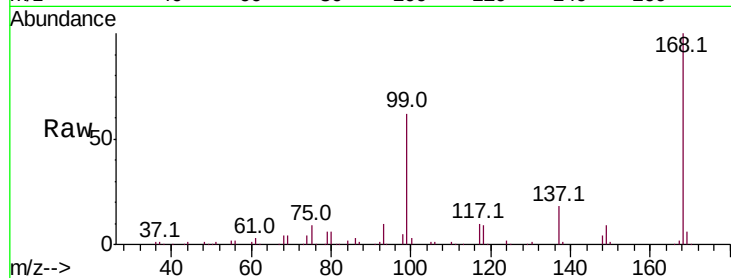




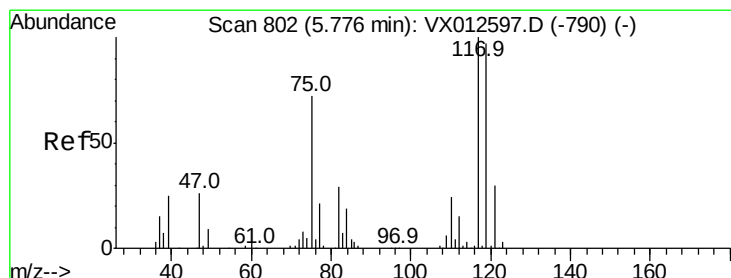
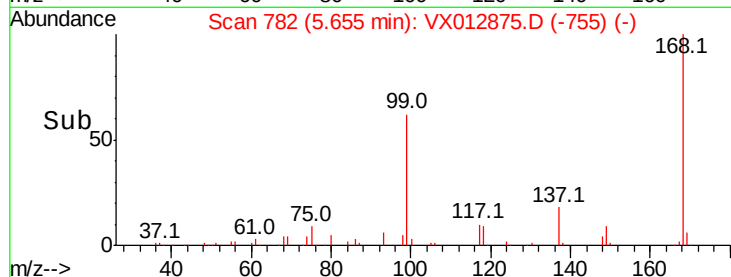
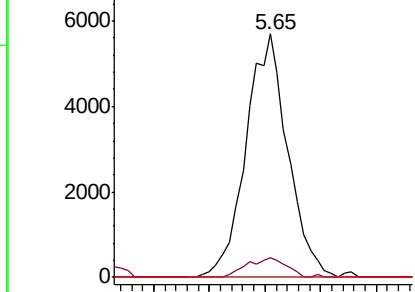
#36
 1,1-Dichloropropene
 Concen: 5.104 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012875.D
 Acq: 08 Oct 2019 06:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.7	50.0#
77	0.0	24.2	36.2#

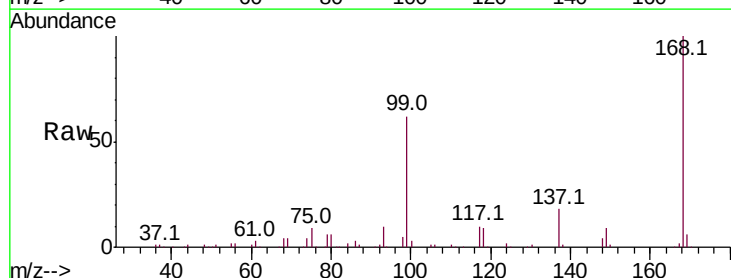


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

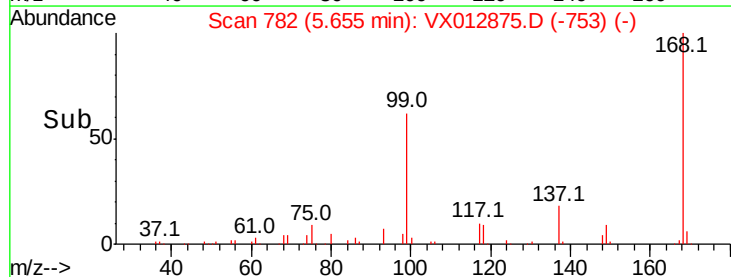
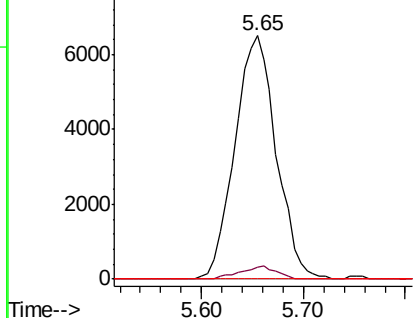


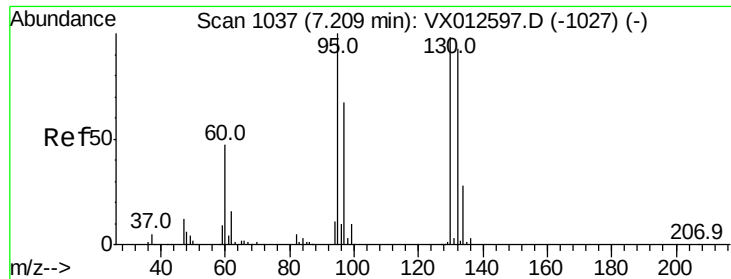
#38
 Carbon Tetrachloride
 Concen: 6.195 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012875.D
 Acq: 08 Oct 2019 06:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.7	113.5#
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





#44

Trichloroethene

Concen: 1.465 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012875.D

Acq: 08 Oct 2019 06:46

Instrument :

MSVOA_X

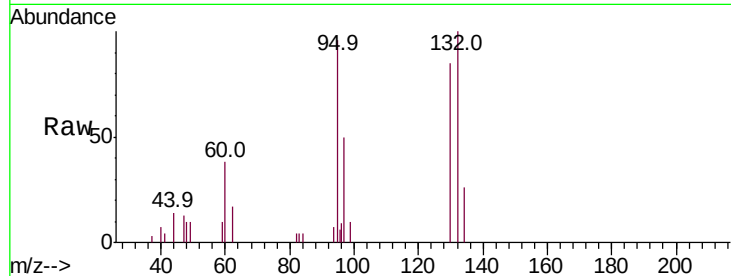
ClientSampleId :

Tot Ion:130 Resp: 3207

Ion Ratio Lower Upper

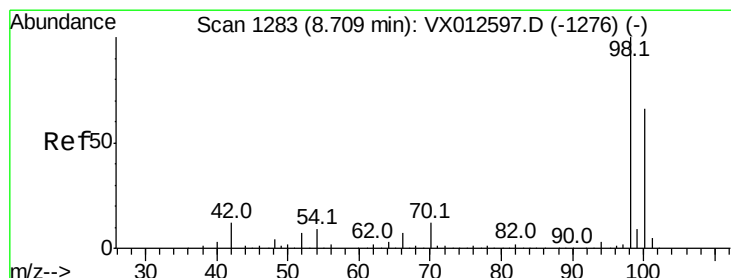
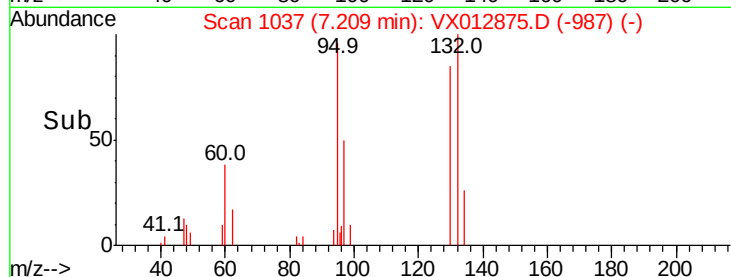
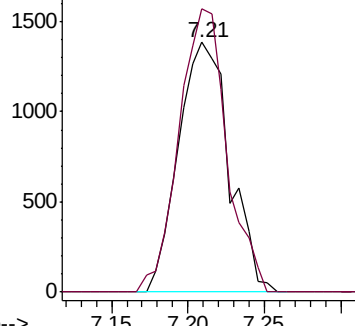
130 100

95 113.3 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: 52.262 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012875.D

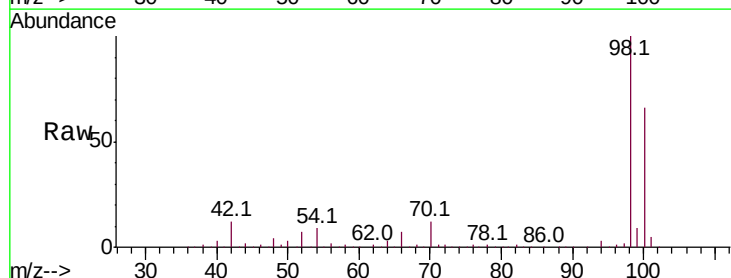
Acq: 08 Oct 2019 06:46

Tgt Ion: 98 Resp: 361958

Ion Ratio Lower Upper

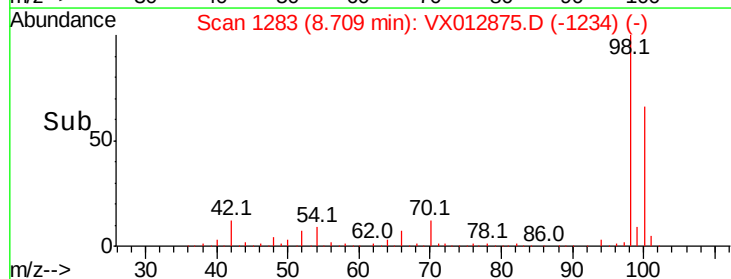
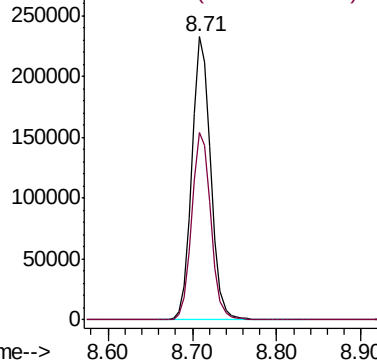
98 100

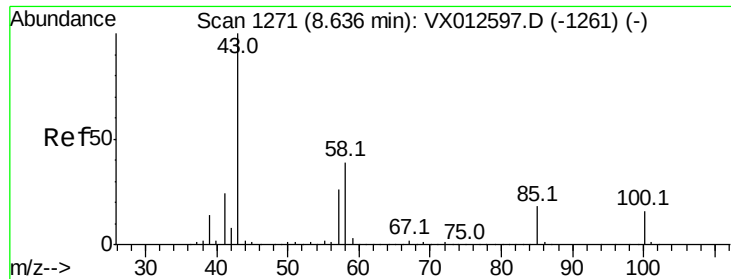
100 66.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.466 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012875.D

Acq: 08 Oct 2019 06:46

Instrument :

MSVOA_X

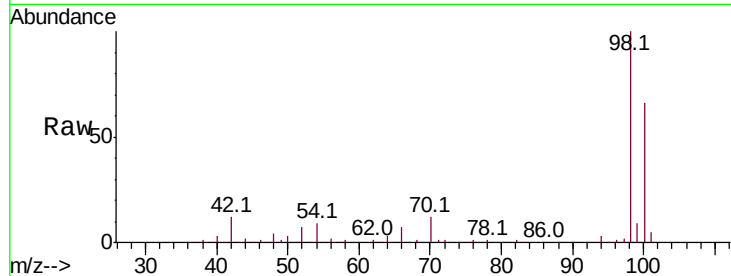
ClientSampled :

Tot Ion: 43 Resp: 1638

Ion Ratio Lower Upper

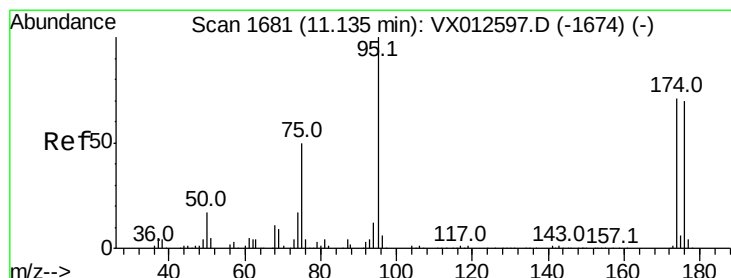
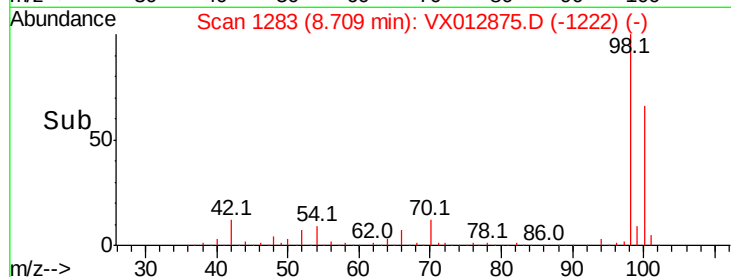
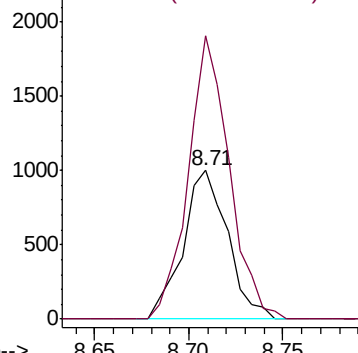
43 100

58 175.4 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.905 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012875.D

Acq: 08 Oct 2019 06:46

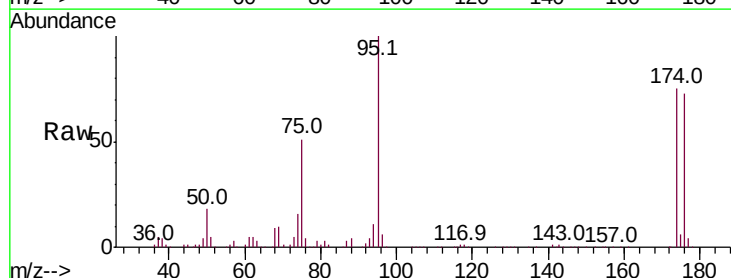
Tgt Ion: 95 Resp: 127735

Ion Ratio Lower Upper

95 100

174 71.9 0.0 140.0

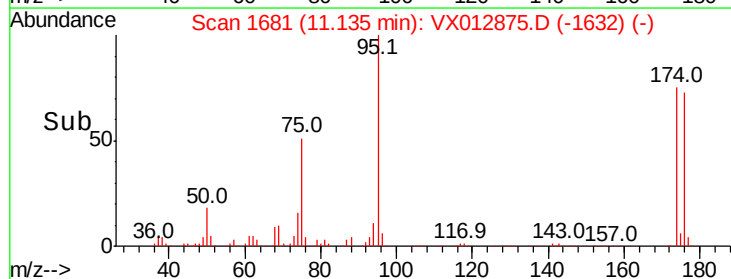
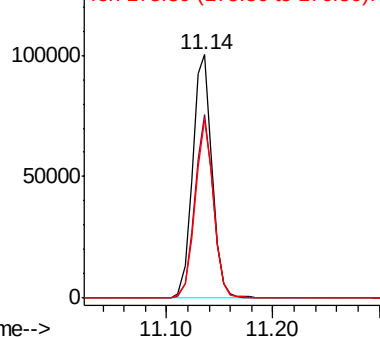
176 69.5 0.0 135.4

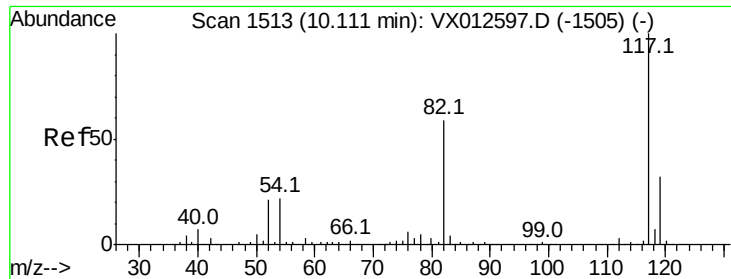


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

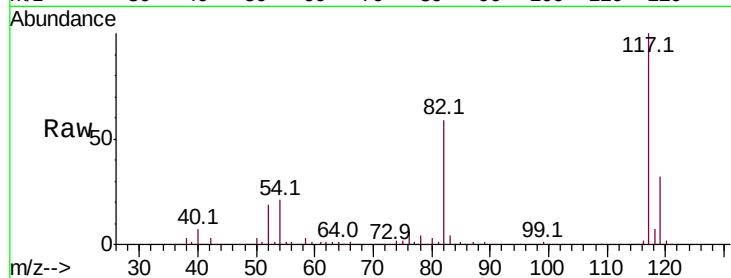




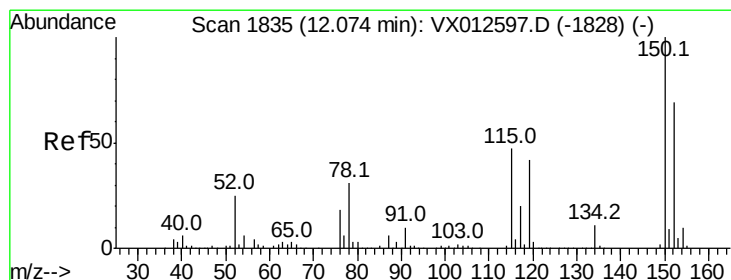
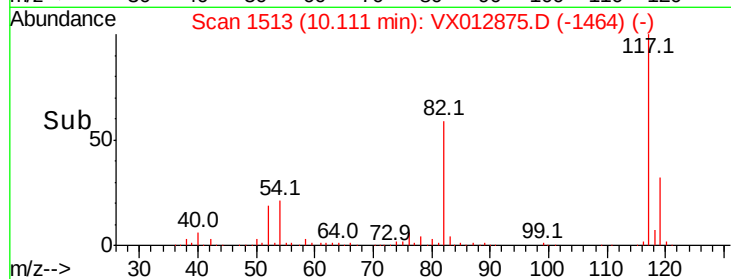
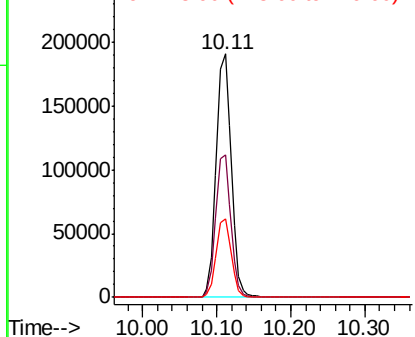
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012875.D
Acq: 08 Oct 2019 06:46

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 265825
Ion Ratio Lower Upper
117 100
82 58.7 45.9 68.9
119 32.3 25.3 37.9

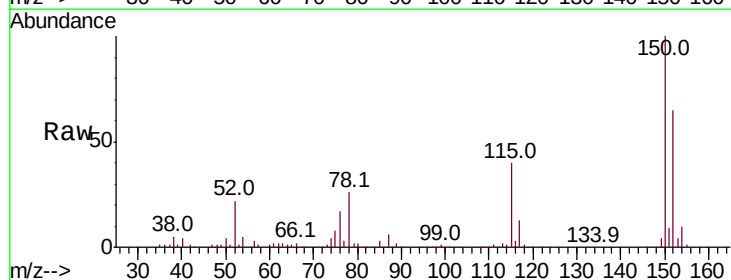


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

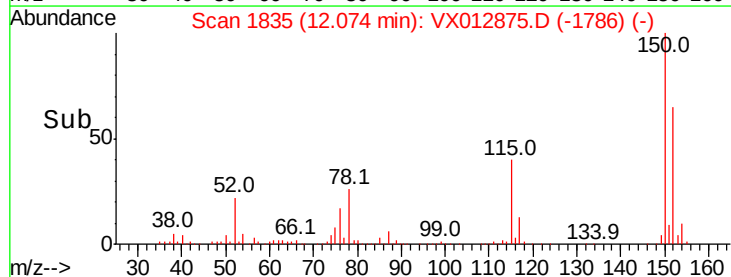
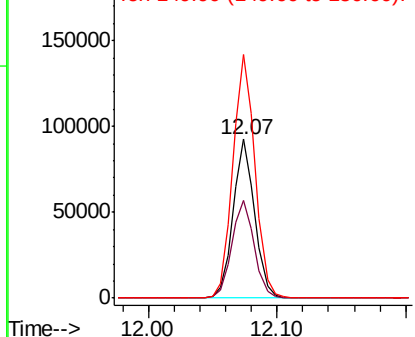


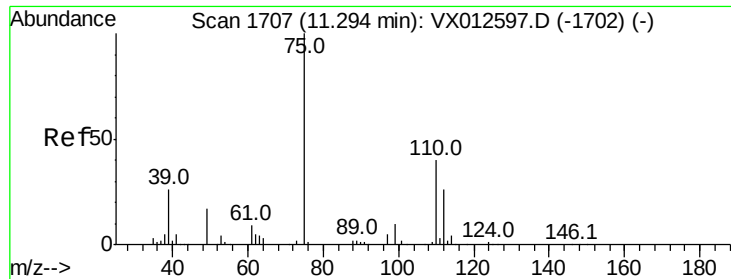
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012875.D
Acq: 08 Oct 2019 06:46

Tgt Ion:152 Resp: 107922
Ion Ratio Lower Upper
152 100
115 64.1 44.1 132.3
150 157.9 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: 22.735 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012875.D

Acq: 08 Oct 2019 06:46

Instrument :

MSVOA_X

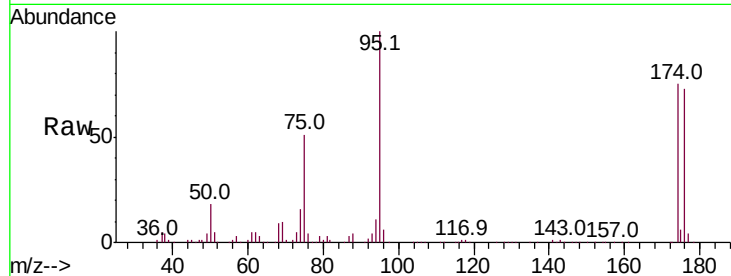
ClientSampled :

Tot Ion: 75 Resp: 64904

Ion Ratio Lower Upper

75 100

77 1.2 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

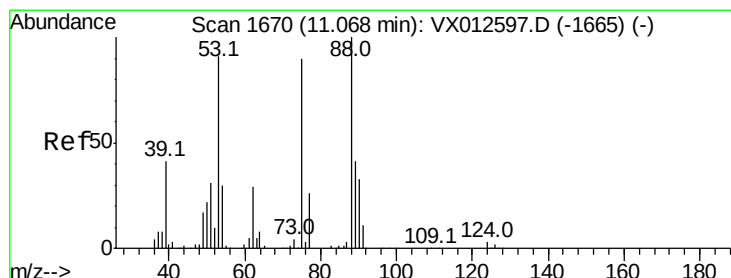
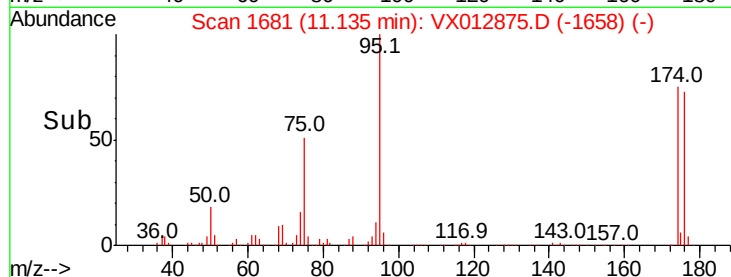
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 65.153 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012875.D

Acq: 08 Oct 2019 06:46

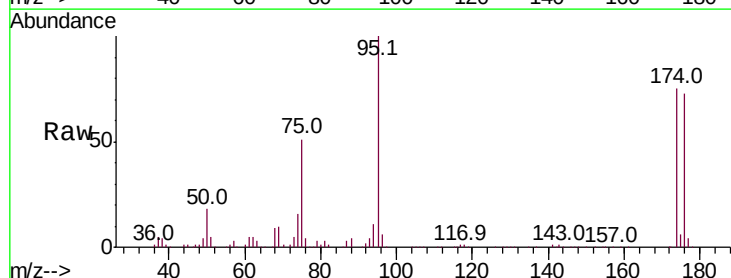
Tgt Ion: 75 Resp: 64904

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

60000

50000

40000

30000

20000

10000

0

11.10 11.20

Time-->

