

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013225.D
 Acq On : 25 Oct 2019 12:58
 Operator : JC/SP
 Sample : K5547-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Oct 25 23:03:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	73467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	108854	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	107739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	62912	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	83711	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
35) Dibromofluoromethane	5.49	113	63244	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
50) Toluene-d8	8.71	98	226705	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.14	95	79401	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

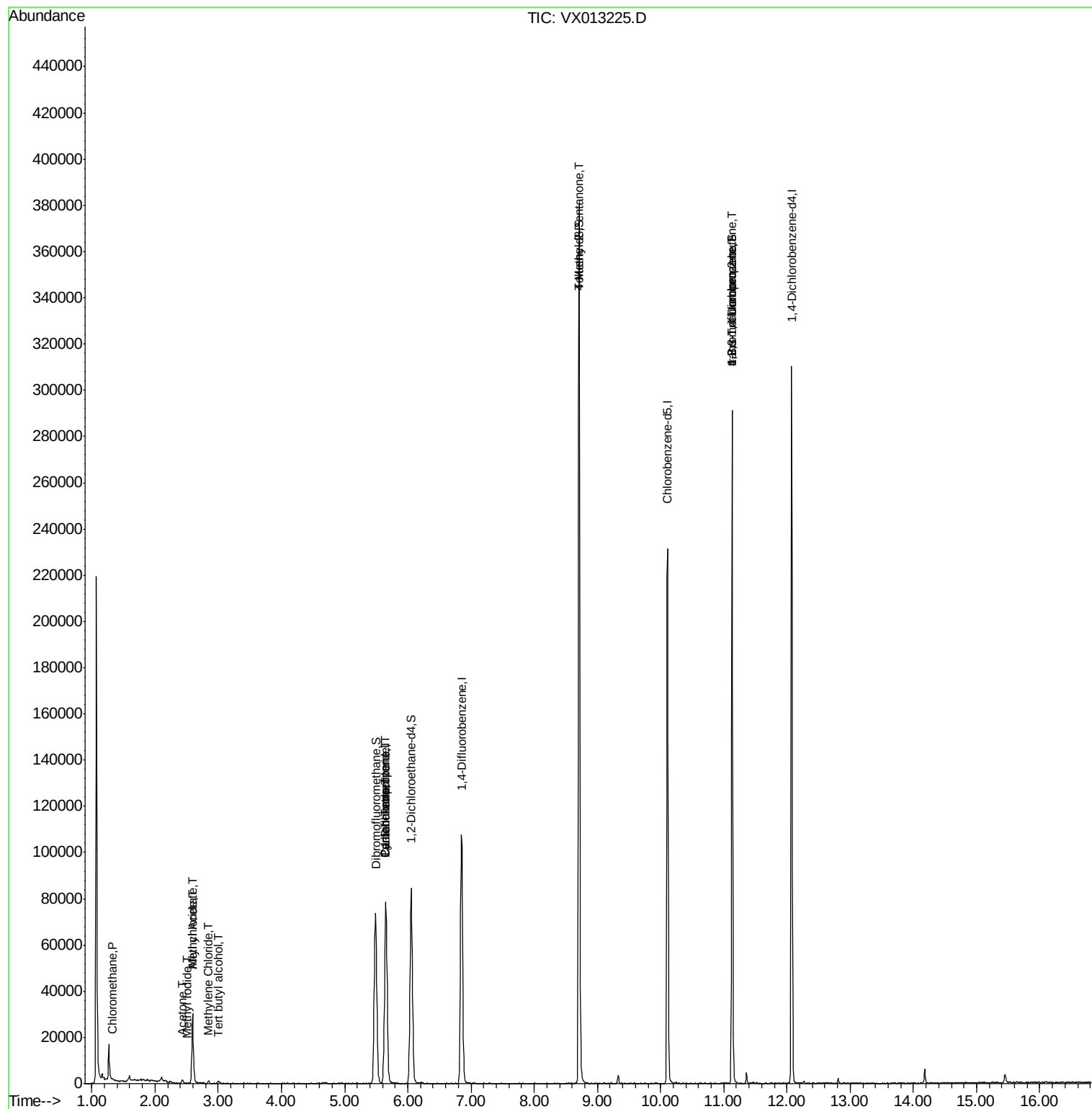
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	273	1.197	ug/l #	40
6) Chloroethane	1.77	64	268	Below Cal	#	43
10) Methyl Iodide	2.51	142	108	3.601	ug/l #	60
11) Tert butyl alcohol	3.01	59	590	0.710	ug/l #	72
14) Allyl chloride	2.59	41	2897	1.470	ug/l #	63
16) Acetone	2.43	43	1723	2.380	ug/l	97
18) Methyl Acetate	2.59	43	8120	6.006	ug/l #	49
20) Methylene Chloride	2.84	84	587	0.720	ug/l #	73
31) Cyclohexane	5.64	56	1442	0.726	ug/l #	39
36) 1,1-Dichloropropene	5.65	75	5452	2.920	ug/l #	50
38) Carbon Tetrachloride	5.65	117	7562	3.758	ug/l #	13
51) 4-Methyl-2-Pentanone	8.71	43	985	0.537	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	41026	27.057	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	41026	74.351	ug/l #	10

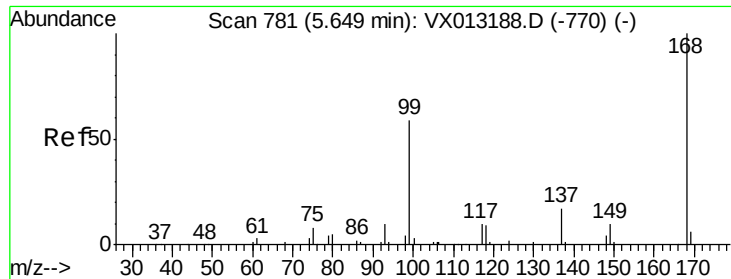
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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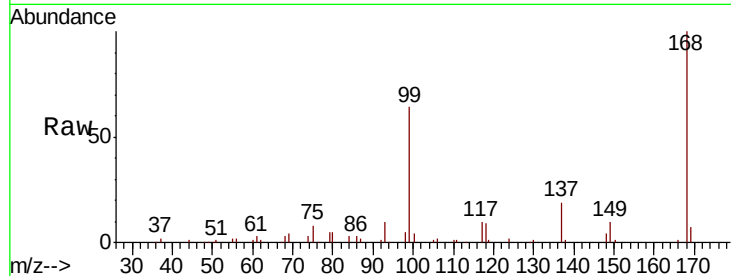




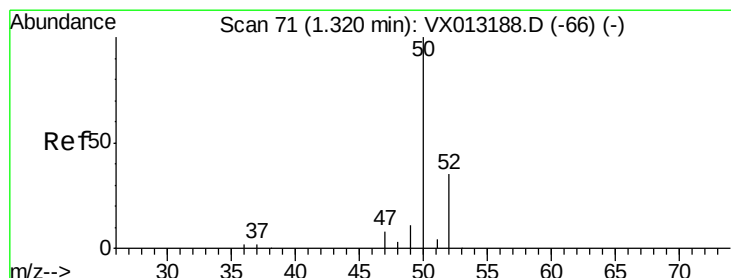
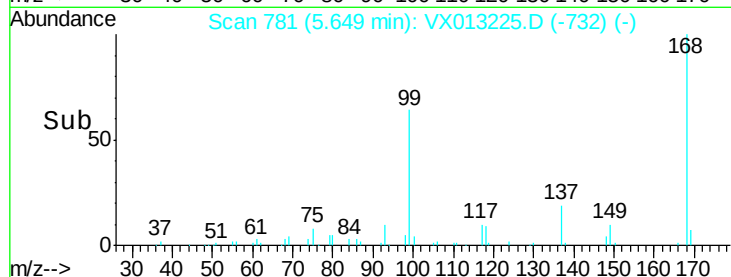
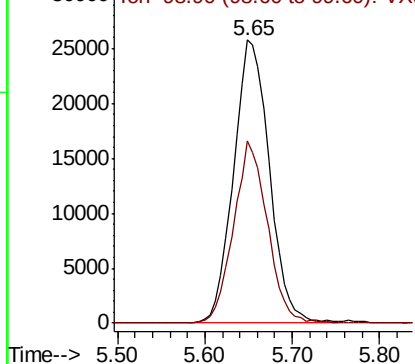
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 73467
Ion Ratio Lower Upper
168 100
99 64.4 47.0 70.4

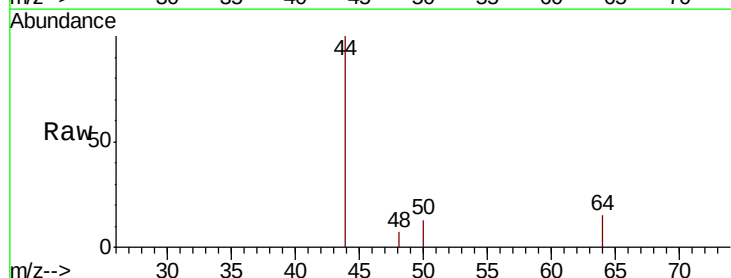


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

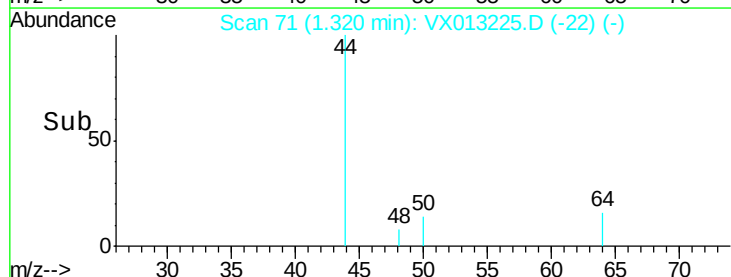
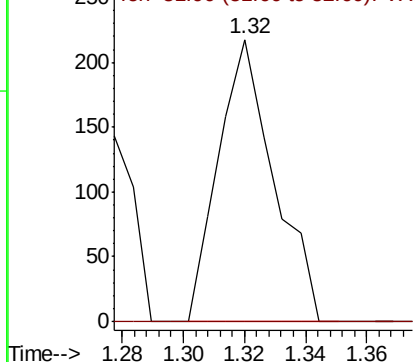


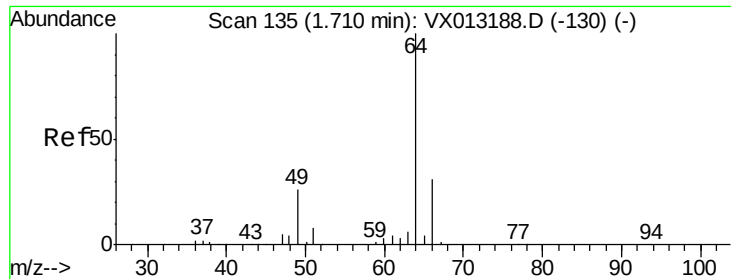
#3
Chloromethane
Concen: 1.197 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

Tgt Ion: 50 Resp: 273
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0

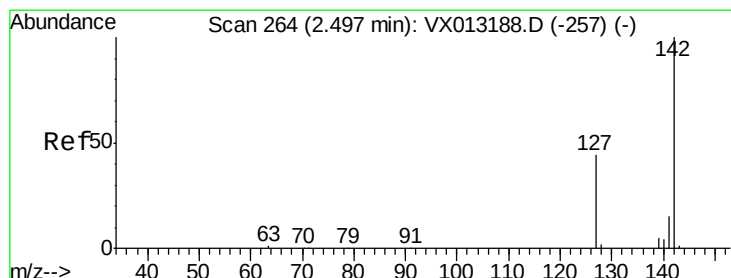
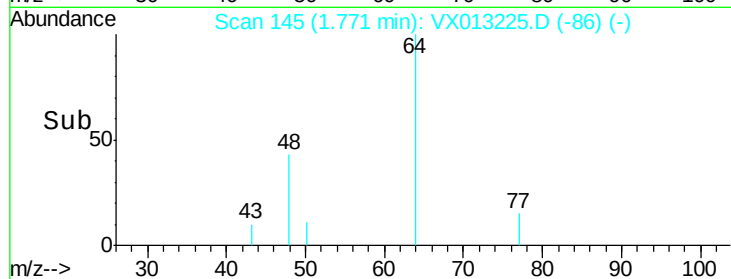
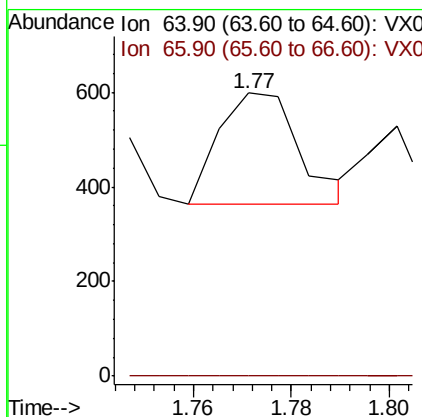
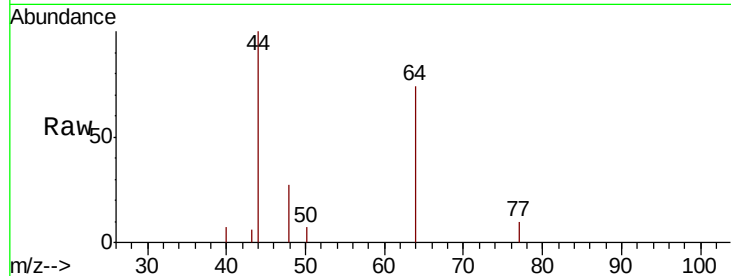




#6
 Chloroethane
 Concen: Below Cal
 RT: 1.77 min Scan# 145
 Delta R.T. 0.06 min
 Lab File: VX013225.D
 Acq: 25 Oct 2019 12:58

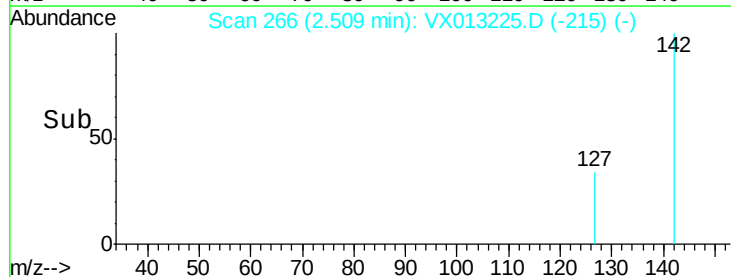
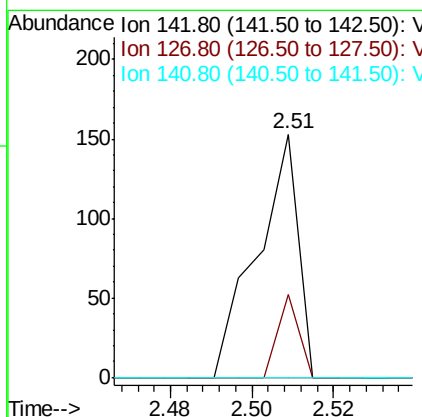
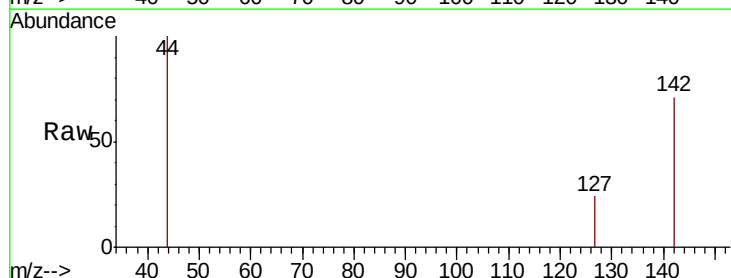
Instrument :
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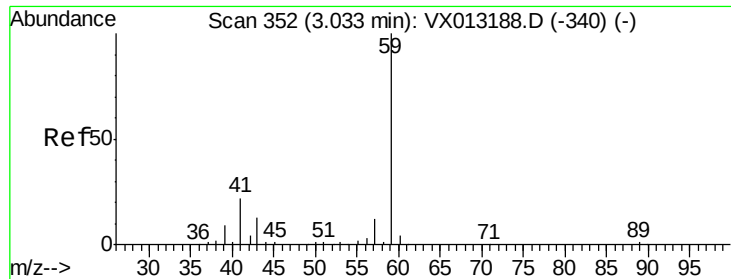
Tot Ion: 64 Resp: 268
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.0 37.6#



#10
 Methyl Iodide
 Concen: 3.601 ug/l
 RT: 2.51 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VX013225.D
 Acq: 25 Oct 2019 12:58

Tgt Ion: 142 Resp: 108
 Ion Ratio Lower Upper
 142 100
 127 17.6 35.6 53.4#
 141 0.0 11.6 17.4#

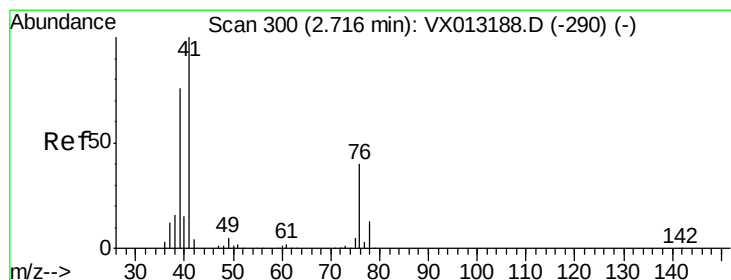
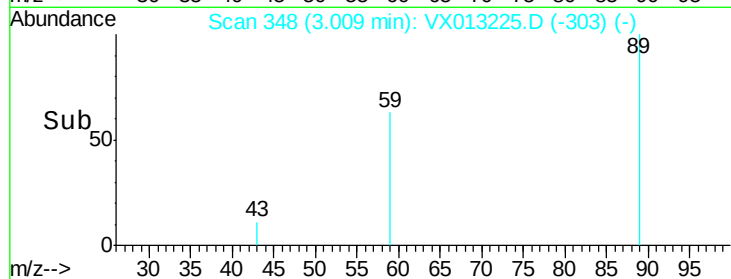
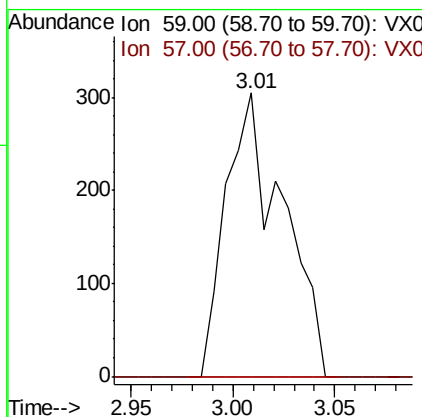
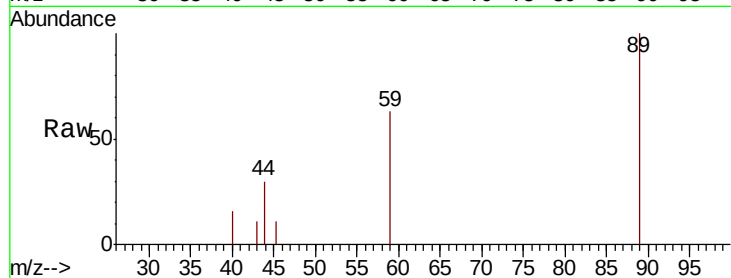




#11
Tert butyl alcohol
Concen: 0.710 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

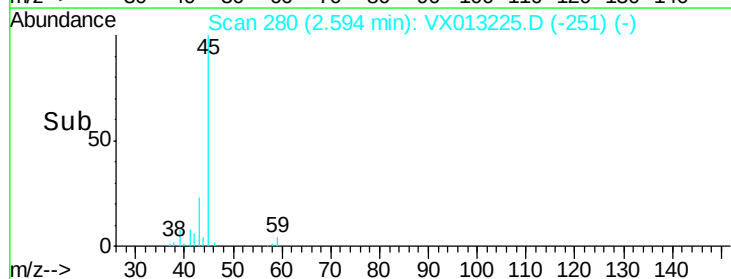
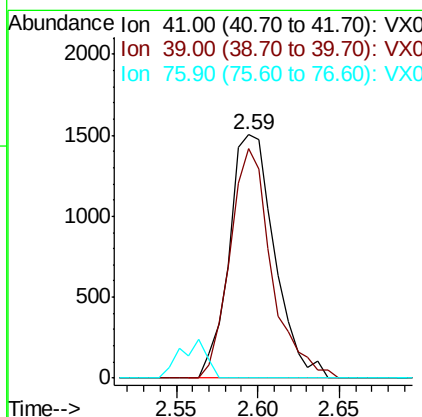
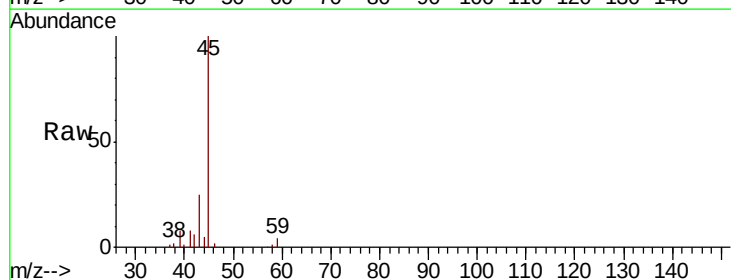
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MSVOA_X
ClientSampleId :
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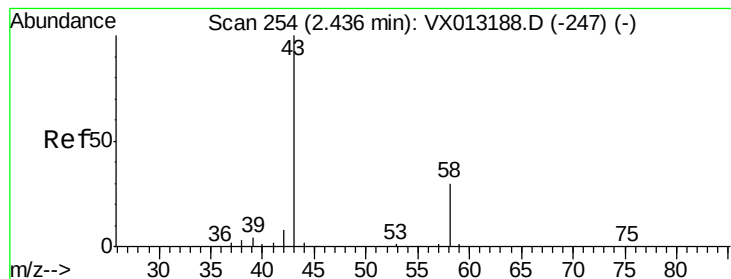
Tot Ion: 59 Resp: 590
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#14
Allyl chloride
Concen: 1.470 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

Tgt Ion: 41 Resp: 2897
Ion Ratio Lower Upper
41 100
39 87.0 54.6 81.8#
76 0.0 29.8 44.6#





#16

Acetone

Concen: 2.380 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013225.D

Acq: 25 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

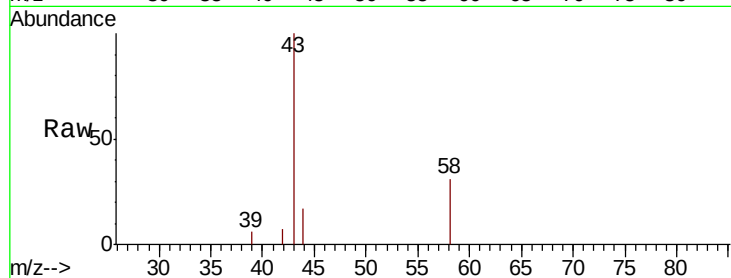
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1723

Ion Ratio Lower Upper

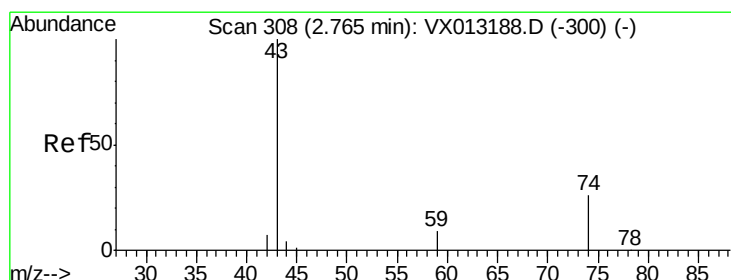
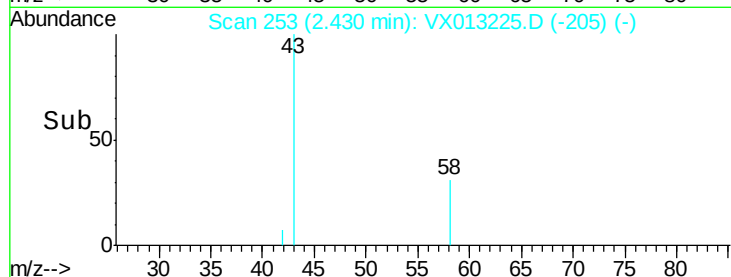
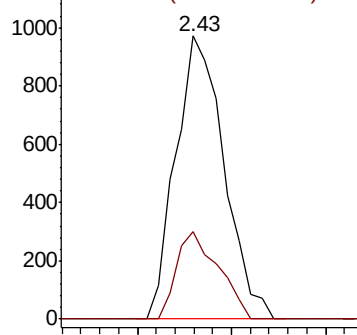
43 100

58 31.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 6.006 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX013225.D

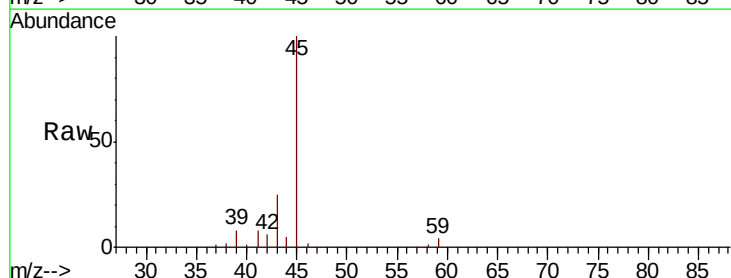
Acq: 25 Oct 2019 12:58

Tgt Ion: 43 Resp: 8120

Ion Ratio Lower Upper

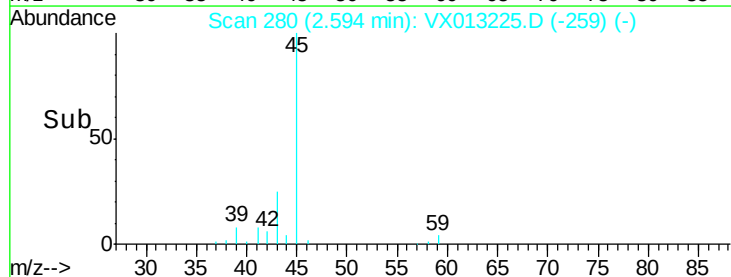
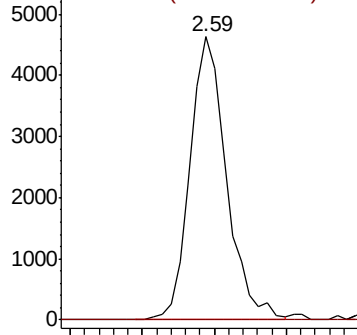
43 100

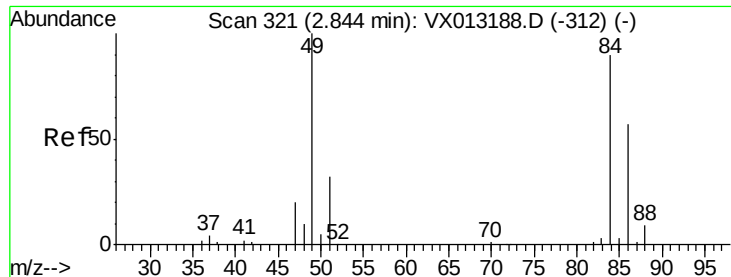
74 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

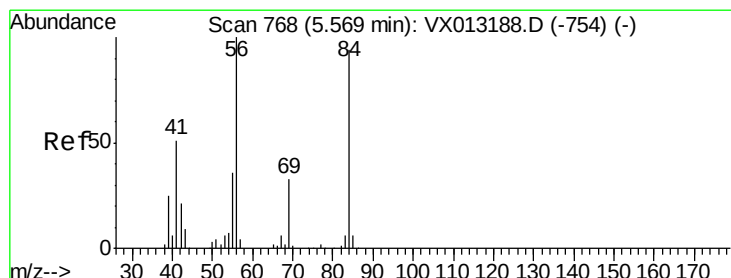
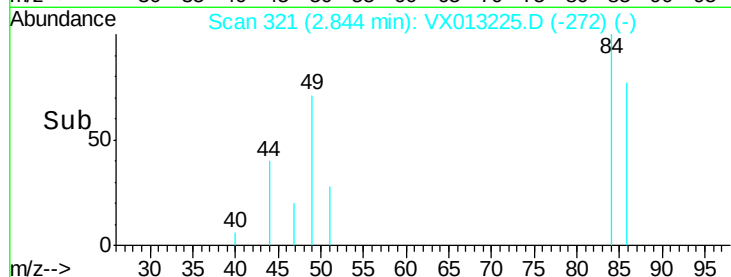
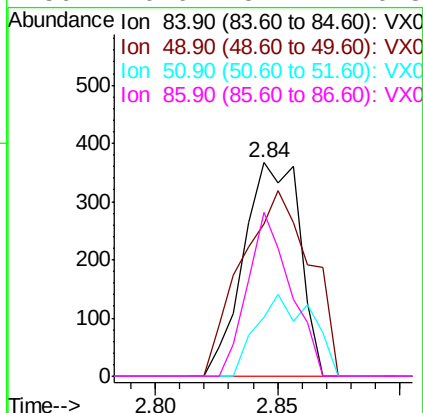
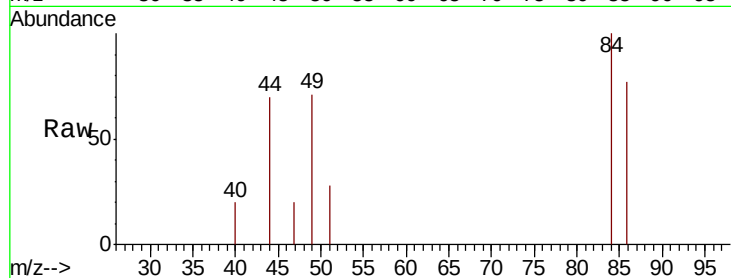




#20
Methylene Chloride
Concen: 0.720 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

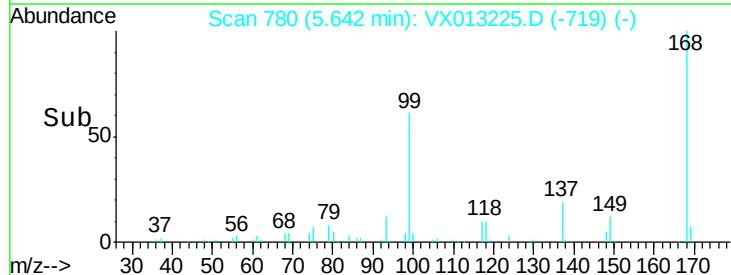
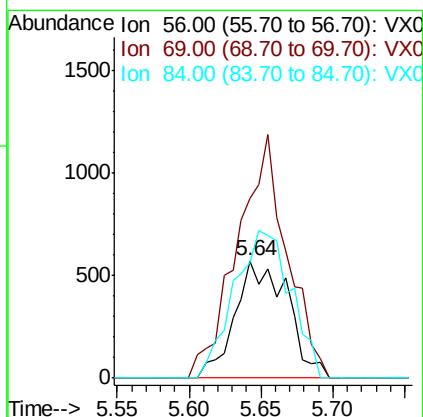
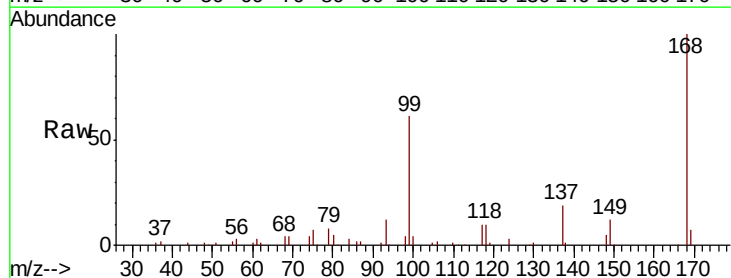
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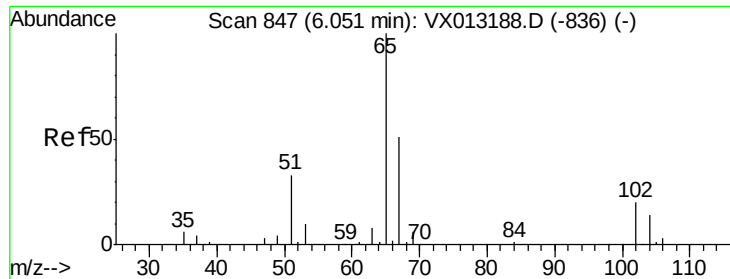
Tot Ion: 84 Resp: 587
Ion Ratio Lower Upper
84 100
49 71.1 89.2 133.8#
51 27.8 28.8 43.2#
86 76.6 51.2 76.8



#31
Cyclohexane
Concen: 0.726 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

Tgt Ion: 56 Resp: 1442
Ion Ratio Lower Upper
56 100
69 153.3 26.3 39.5#
84 99.1 73.8 110.6

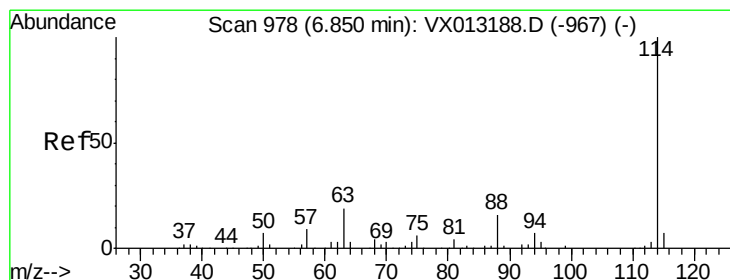
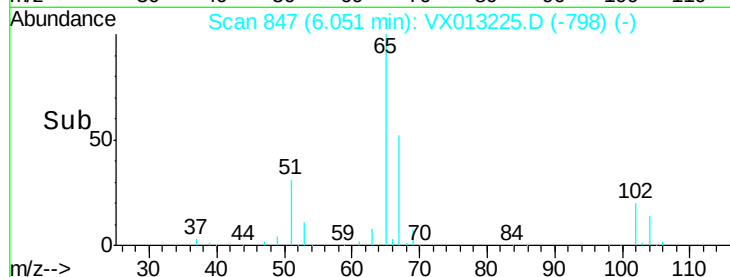
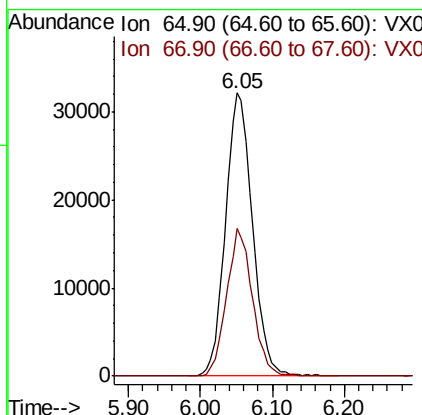
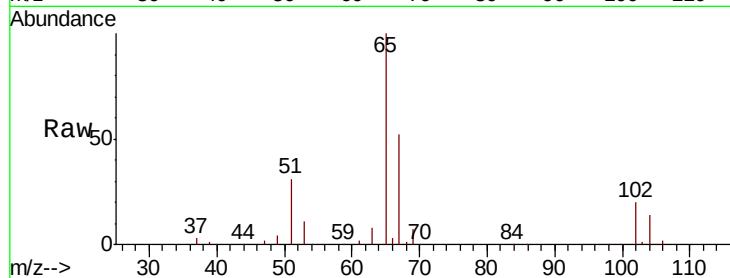




#33
 1,2-Dichloroethane-d4
 Concen: 54.478 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013225.D
 Acq: 25 Oct 2019 12:58

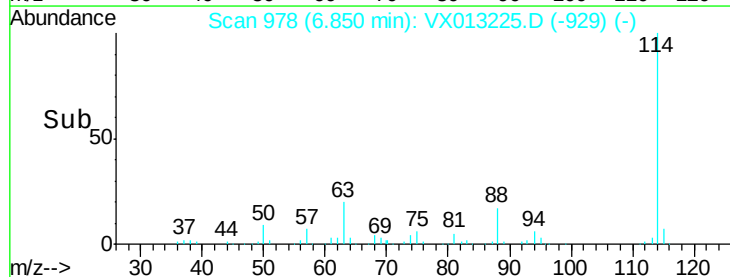
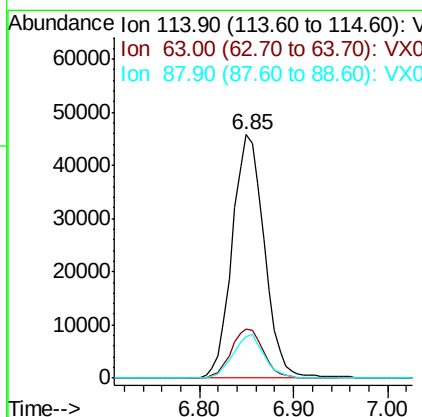
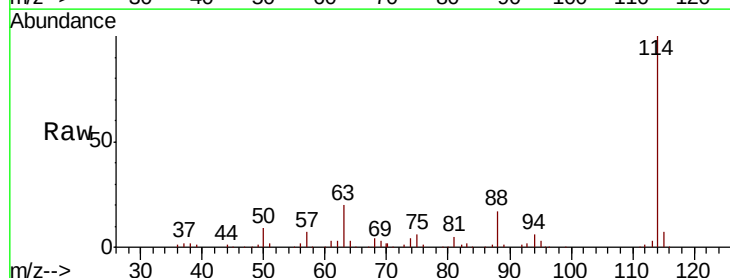
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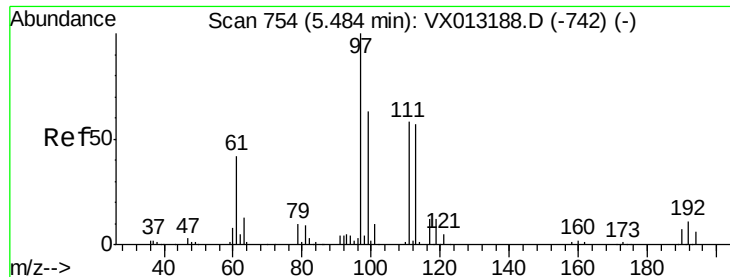
Tot Ion: 65 Resp: 83711
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013225.D
 Acq: 25 Oct 2019 12:58

Tgt Ion: 114 Resp: 108854
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 17.1 0.0 32.0

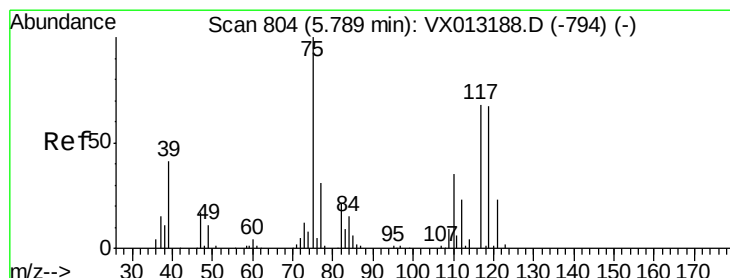
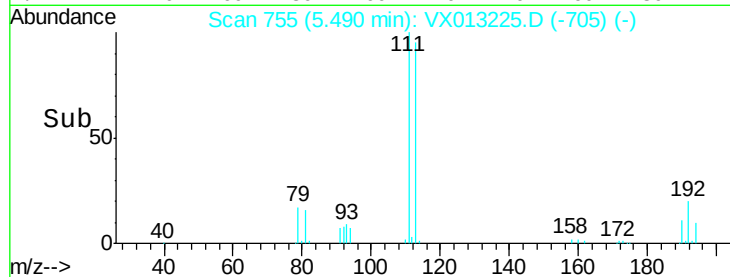
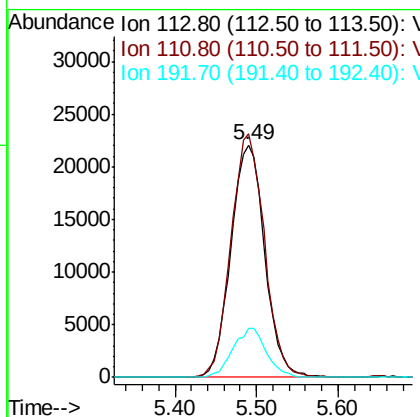
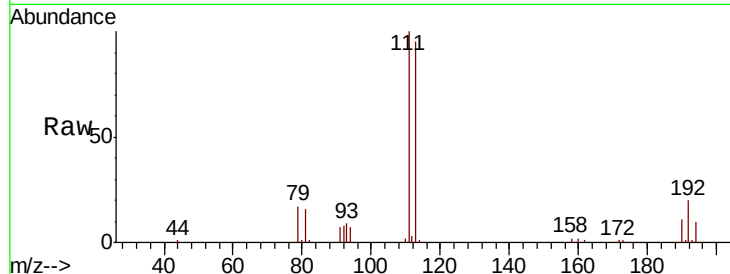




#35
 Dibromofluoromethane
 Concen: 52.101 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013225.D
 Acq: 25 Oct 2019 12:58

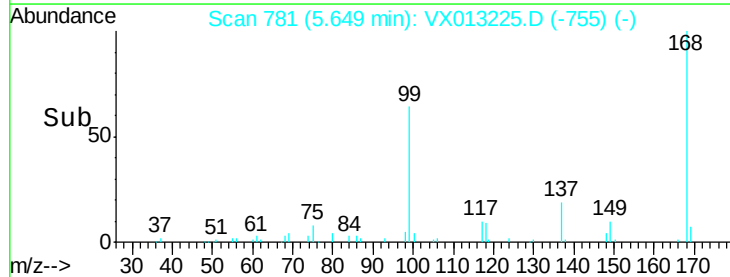
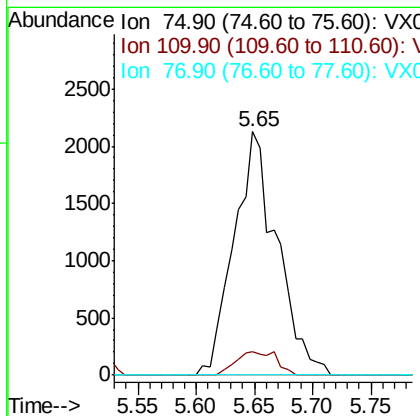
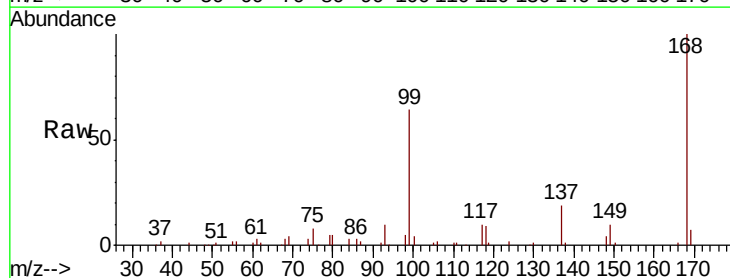
Instrument :
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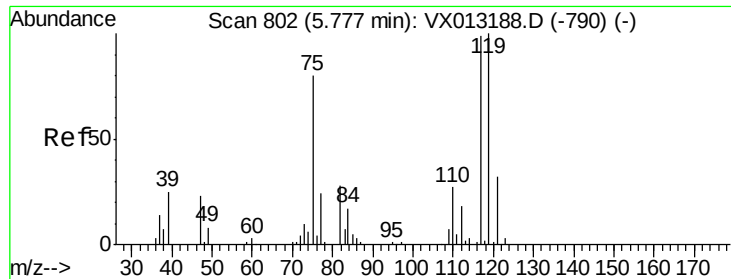
Tot Ion:113 Resp: 63244
 Ion Ratio Lower Upper
 113 100
 111 103.8 80.3 120.5
 192 20.8 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 2.920 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013225.D
 Acq: 25 Oct 2019 12:58

Tgt Ion: 75 Resp: 5452
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.6 52.9#
 77 0.0 24.7 37.1#

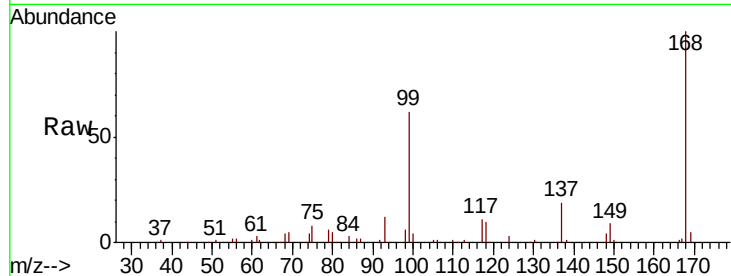




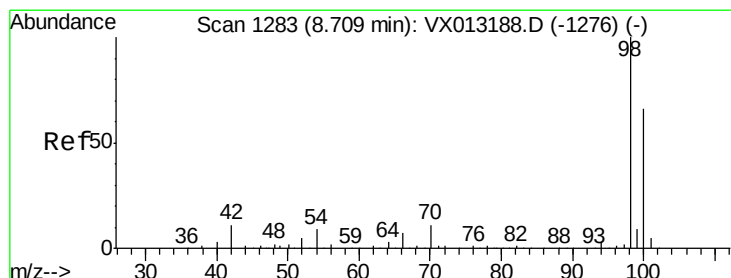
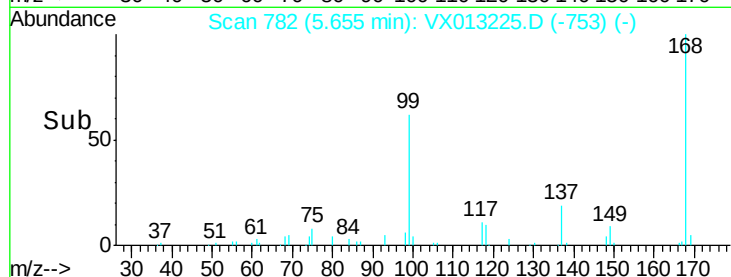
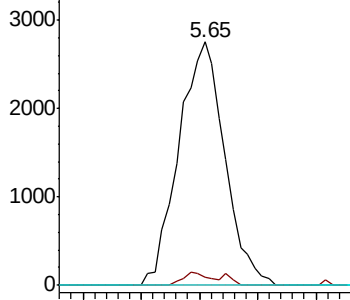
#38
Carbon Tetrachloride
Concen: 3.758 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 7562
Ion Ratio Lower Upper
117 100
119 3.5 80.1 120.1#
121 0.0 25.5 38.3#

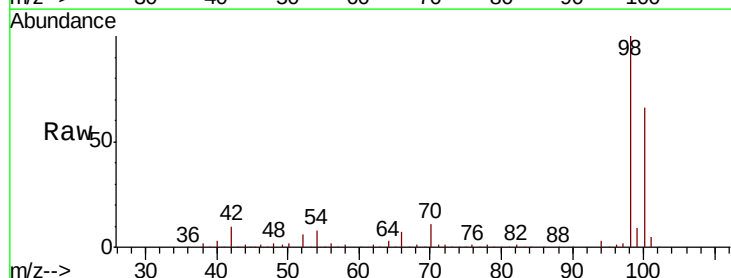


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

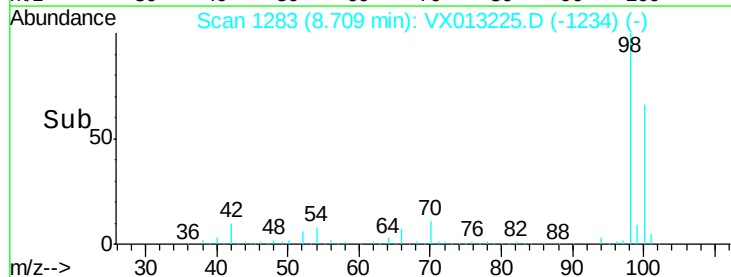
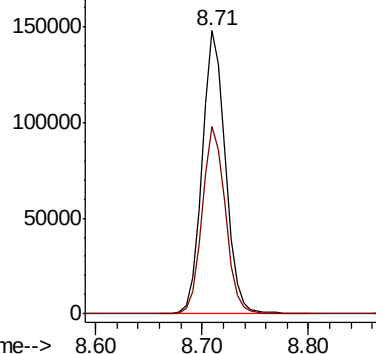


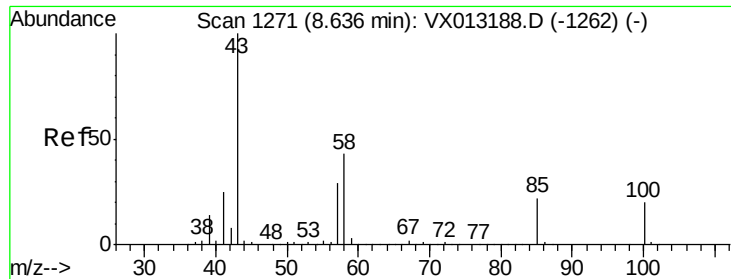
#50
Toluene-d8
Concen: 50.396 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

Tgt Ion: 98 Resp: 226705
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



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: 0.537 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013225.D

Acq: 25 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

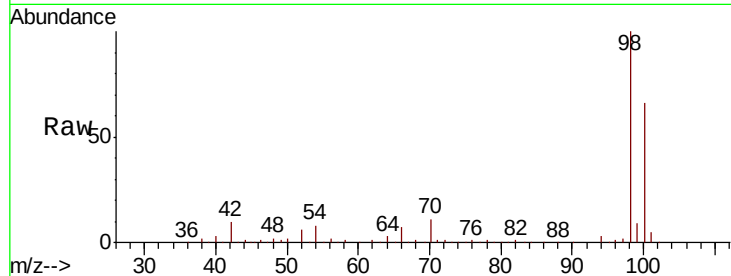
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 985

Ion Ratio Lower Upper

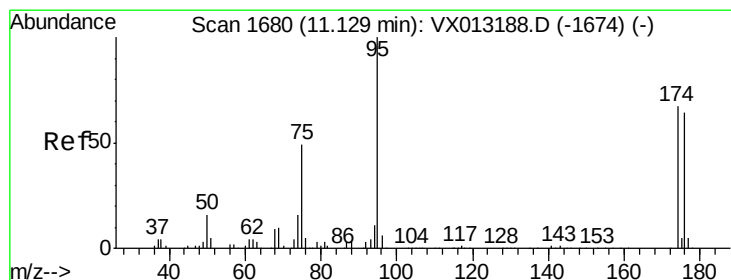
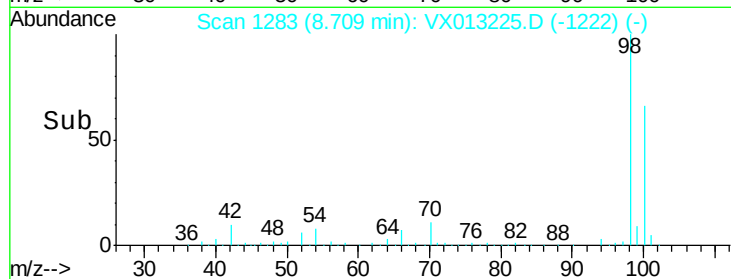
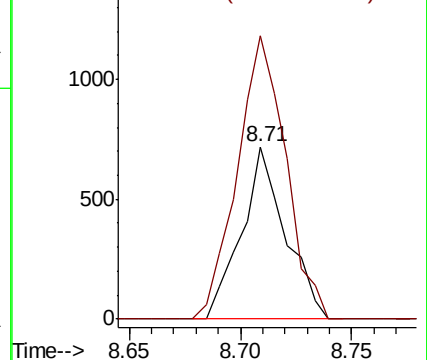
43 100

58 181.3 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.594 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013225.D

Acq: 25 Oct 2019 12:58

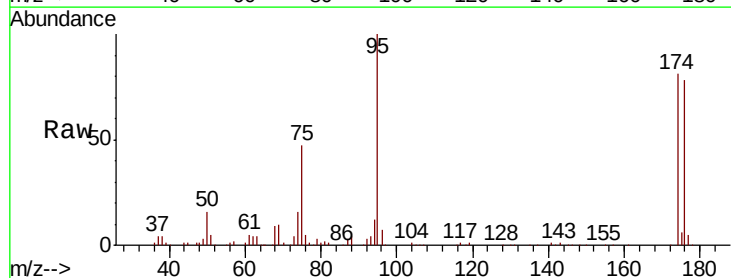
Tgt Ion: 95 Resp: 79401

Ion Ratio Lower Upper

95 100

174 80.7 0.0 152.4

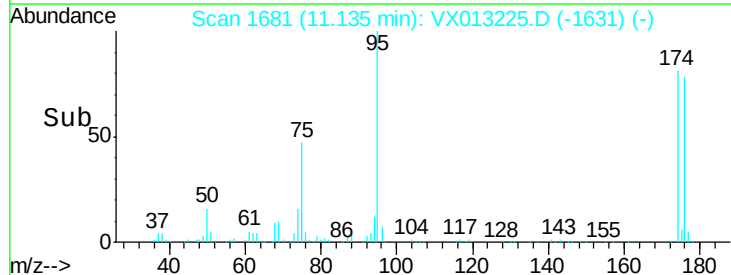
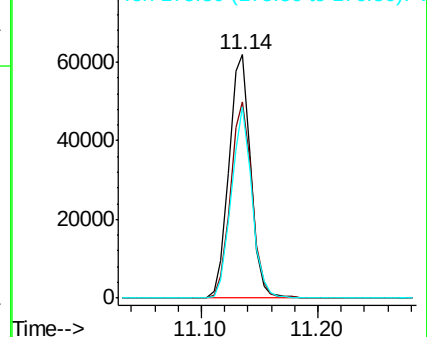
176 75.1 0.0 146.0

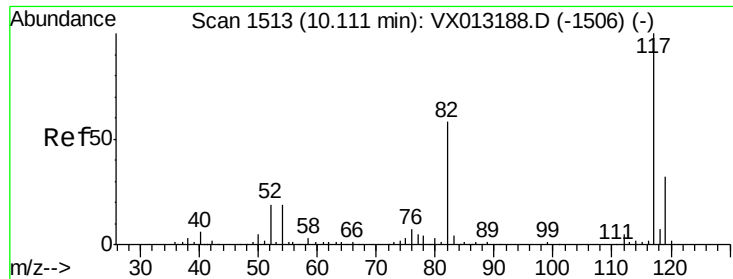


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

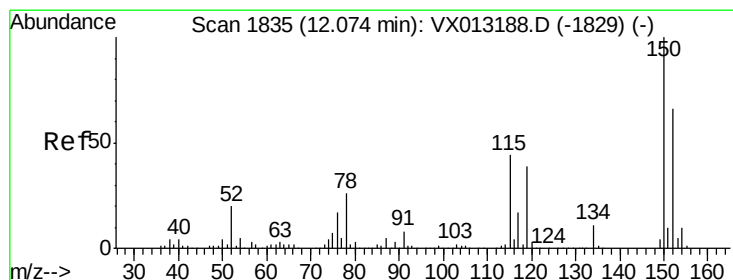
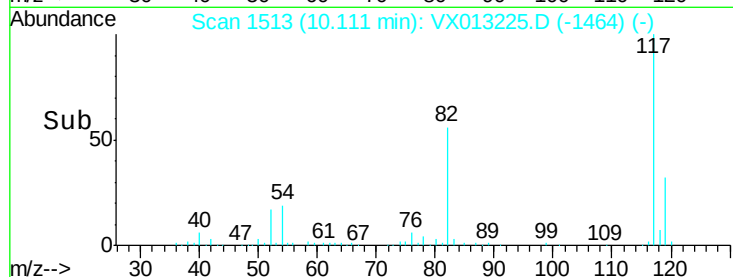
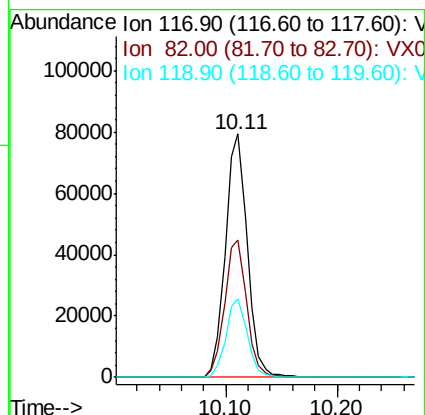
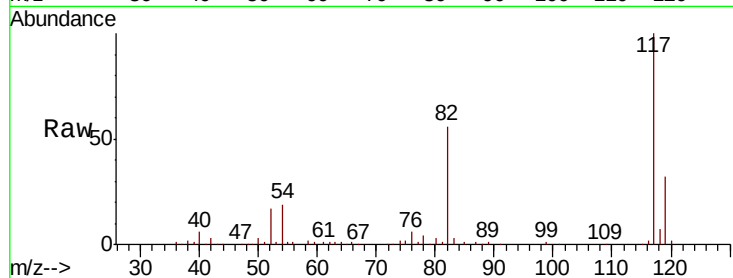




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

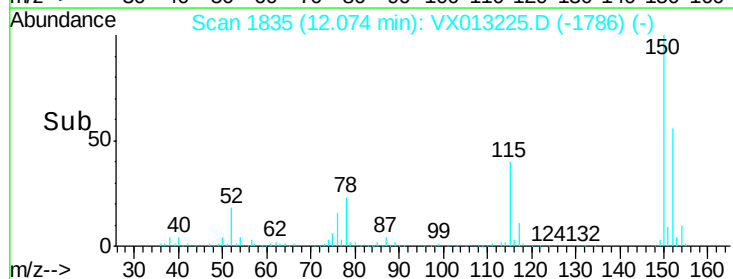
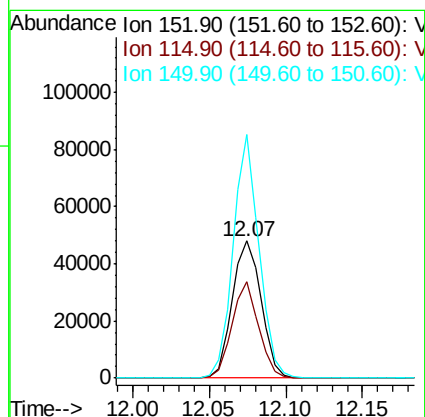
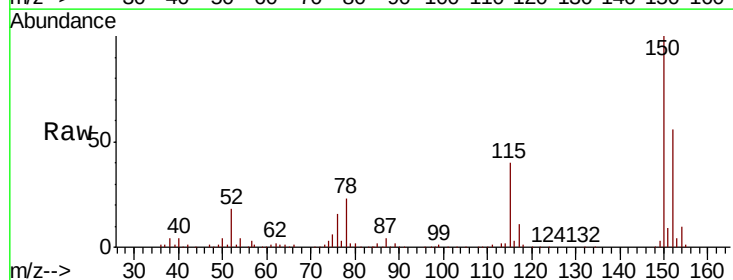
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

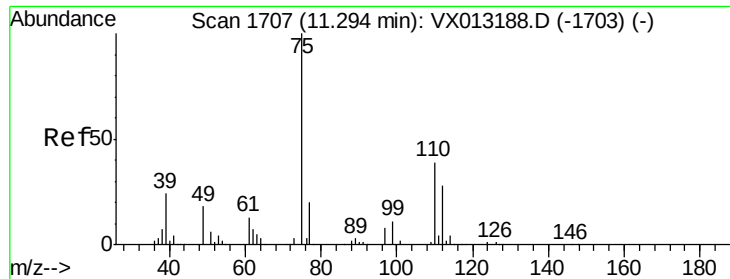
Tot Ion:117 Resp: 107739
Ion Ratio Lower Upper
117 100
82 56.4 46.5 69.7
119 32.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013225.D
Acq: 25 Oct 2019 12:58

Tgt Ion:152 Resp: 62912
Ion Ratio Lower Upper
152 100
115 64.8 46.6 139.8
150 158.3 0.0 354.0

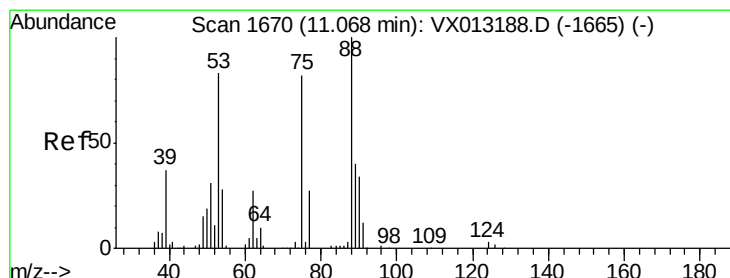
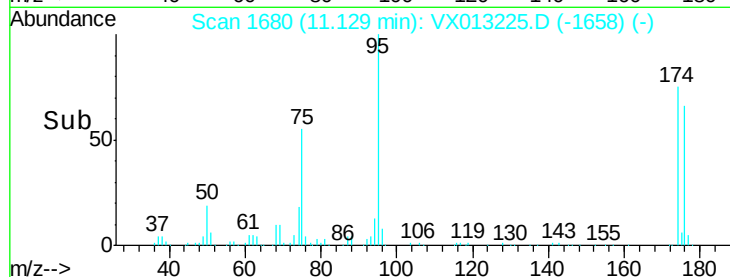
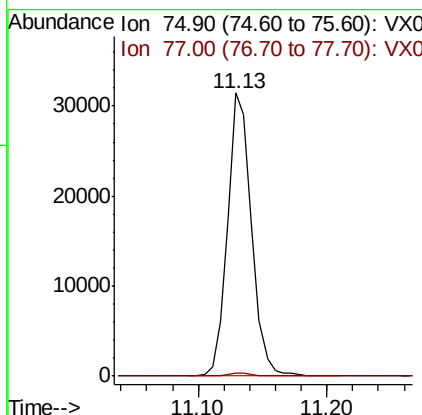
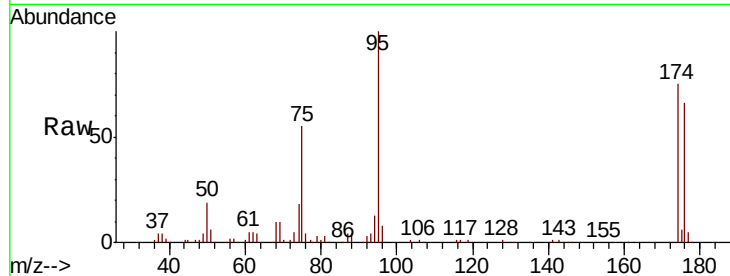




#76
 1,2,3-Trichloropropane
 Concen: 27.057 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013225.D
 Acq: 25 Oct 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 41026
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.351 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013225.D
 Acq: 25 Oct 2019 12:58

Tgt Ion: 75 Resp: 41026
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.9 116.9#
 89 0.0 37.3 55.9#

