

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015939.D
 Acq On : 24 Apr 2020 18:36
 Operator : JC/SP
 Sample : L2415-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB11-200423

Quant Time: Apr 25 06:53:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	130287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	253265	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	245697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121440	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	97553	53.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.06%	
35) Dibromofluoromethane	5.47	113	73438	53.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.34%	
50) Toluene-d8	8.70	98	316120	54.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.12%	
62) 4-Bromofluorobenzene	11.12	95	133269	56.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.38%	

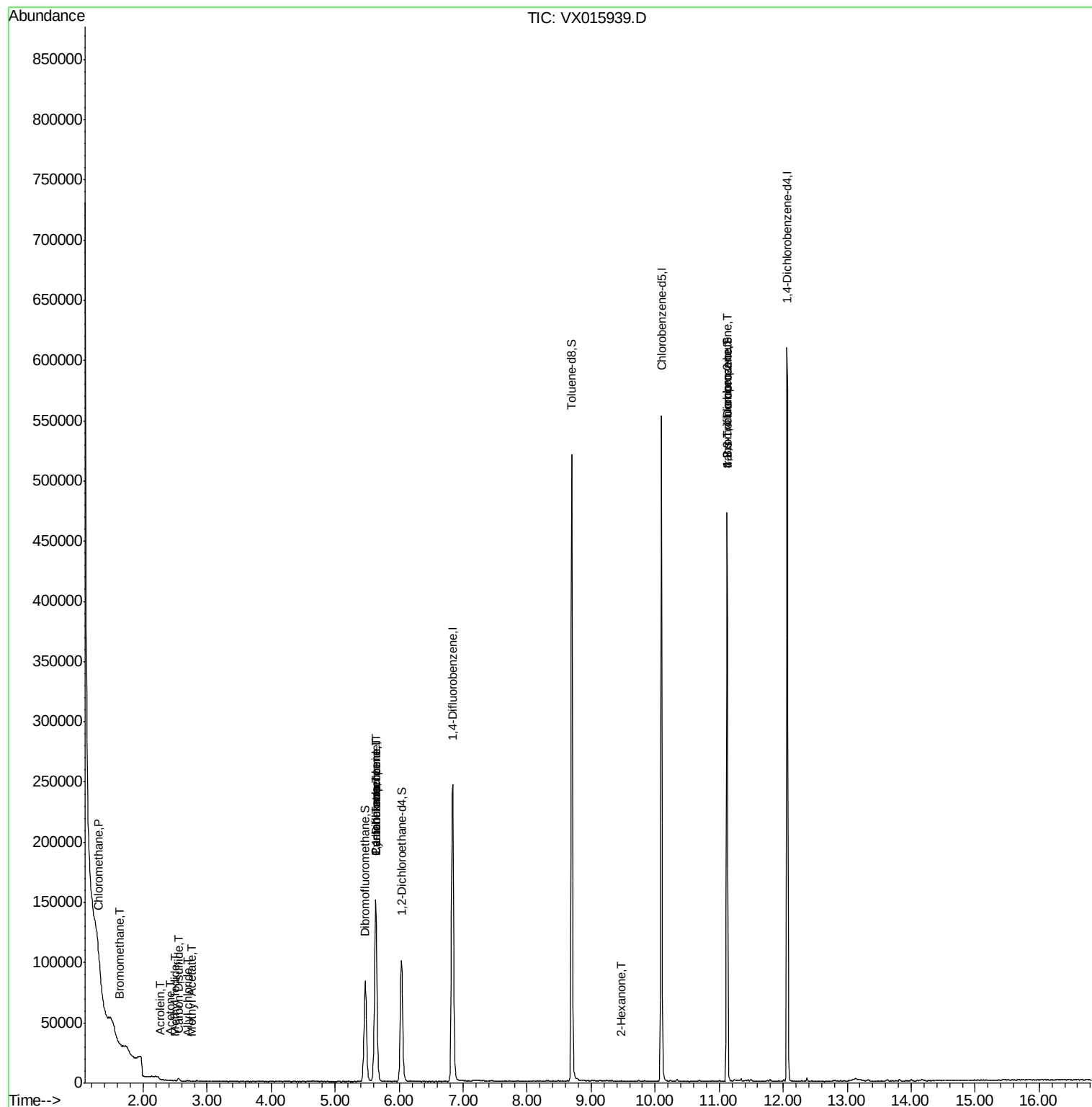
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	340	0.230	ug/l	97
5) Bromomethane	1.64	94	220	0.323	ug/l #	64
10) Methyl Iodide	2.50	142	151	4.897	ug/l #	41
13) Acrolein	2.28	56	62	0.253	ug/l #	1
14) Allyl chloride	2.70	41	605	0.232	ug/l #	59
16) Acetone	2.42	43	410	0.594	ug/l	98
17) Carbon Disulfide	2.55	76	2585	0.338	ug/l #	90
18) Methyl Acetate	2.75	43	456	0.219	ug/l #	49
31) Cyclohexane	5.64	56	3198	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	12694	5.252	ug/l #	49
38) Carbon Tetrachloride	5.63	117	14777	6.690	ug/l #	15
59) 2-Hexanone	9.47	43	566	0.319	ug/l #	32
76) 1,2,3-Trichloropropane	11.12	75	66730	25.616	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	66730	57.704	ug/l #	14

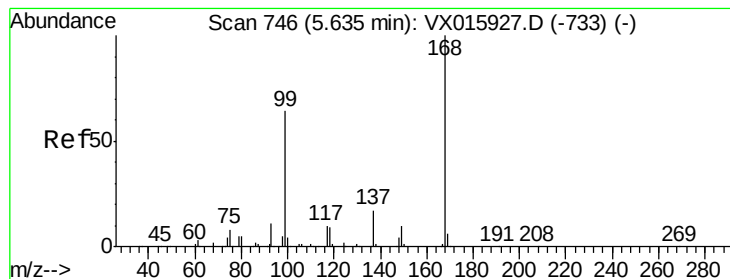
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

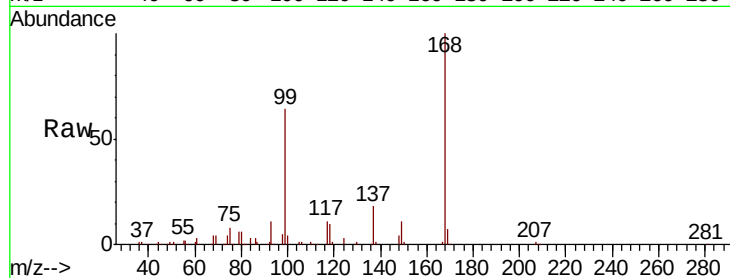
Z3-TB11-200423

Tot Ion:168 Resp: 130287

Ion Ratio Lower Upper

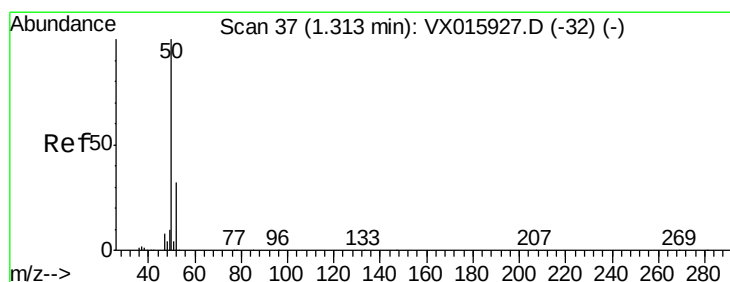
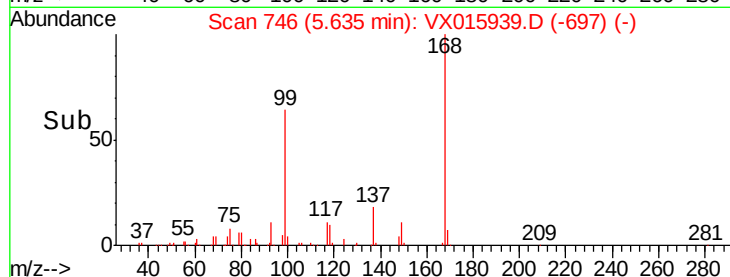
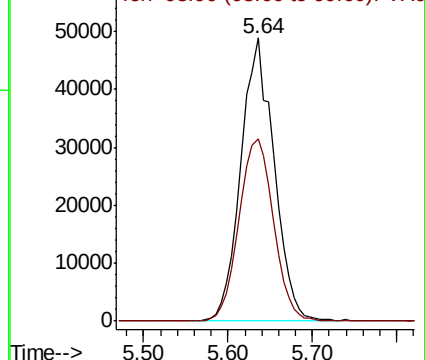
168 100

99 64.3 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015939.D

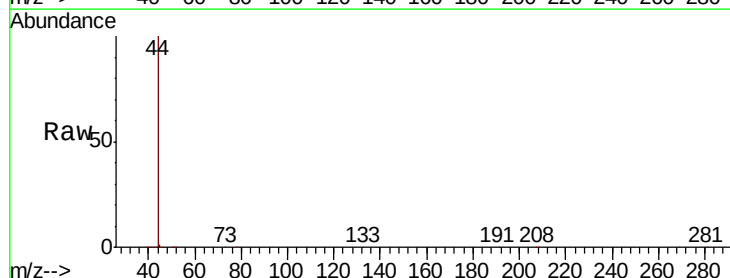
Acq: 24 Apr 2020 18:36

Tgt Ion: 50 Resp: 340

Ion Ratio Lower Upper

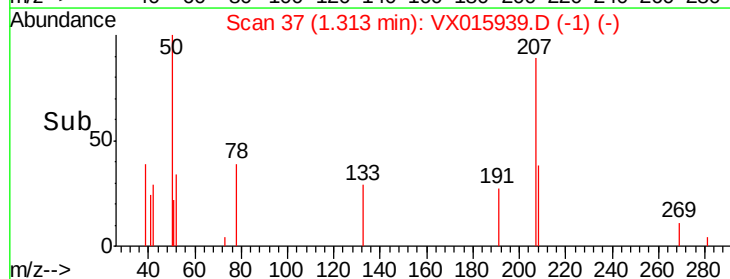
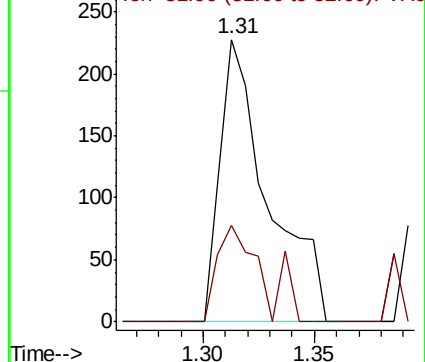
50 100

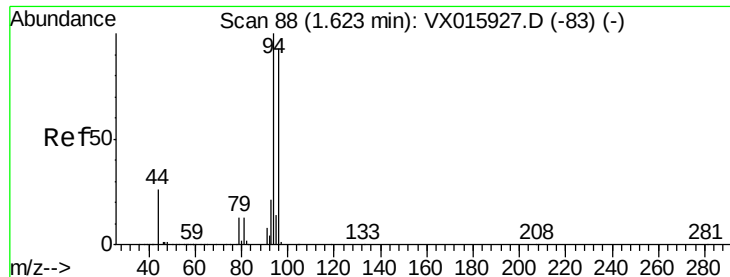
52 34.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.323 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

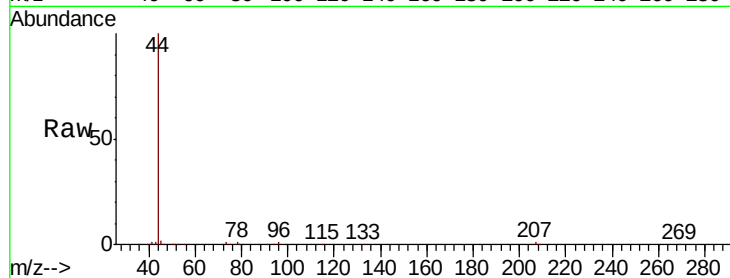
Z3-TB11-200423

Tot Ion: 94 Resp: 220

Ion Ratio Lower Upper

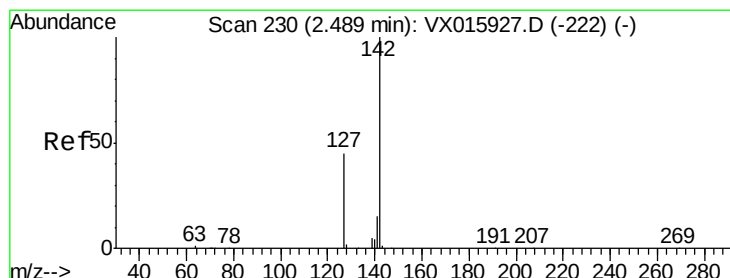
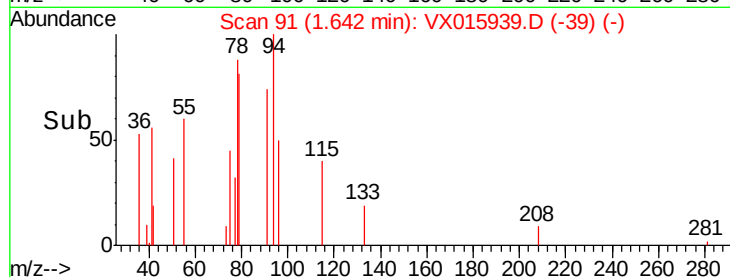
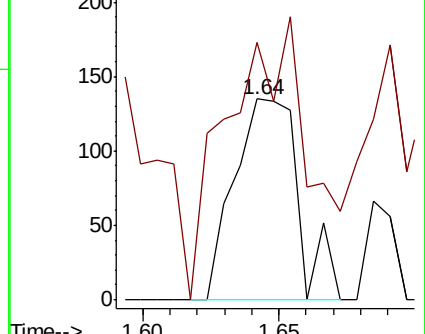
94 100

96 128.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.897 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

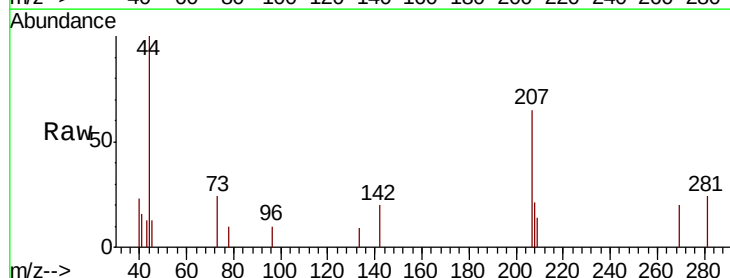
Tgt Ion: 142 Resp: 151

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

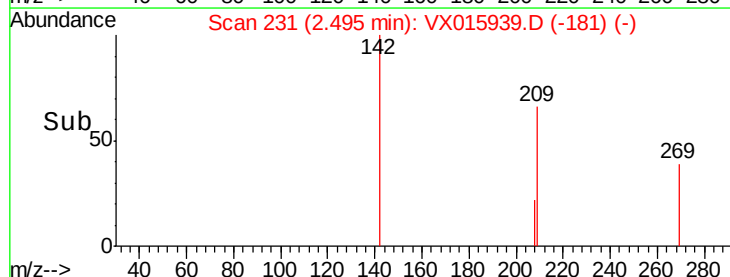
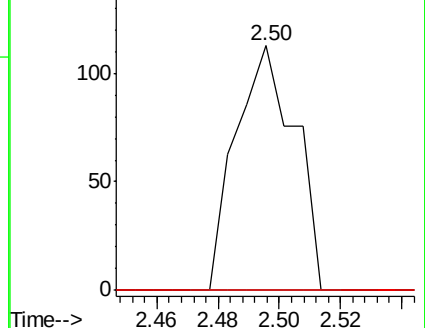
141 0.0 11.5 17.3#

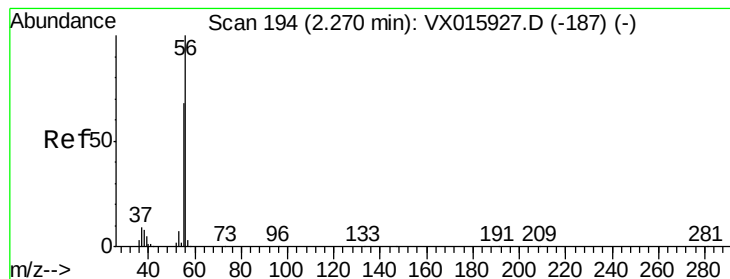


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.253 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

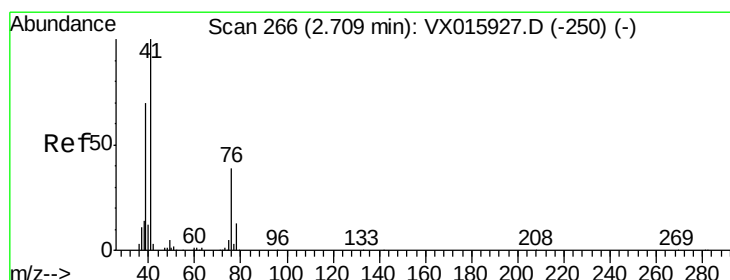
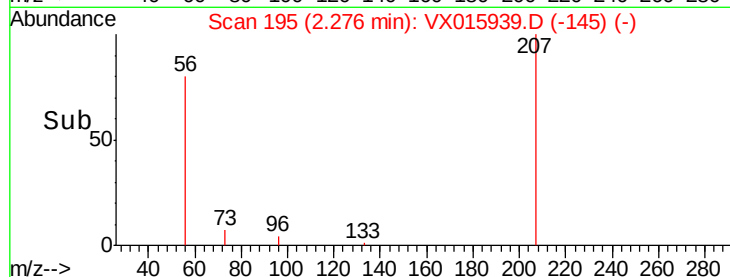
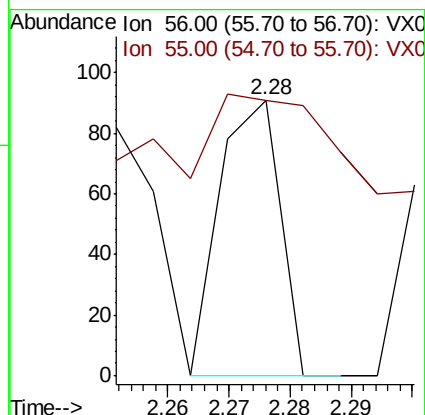
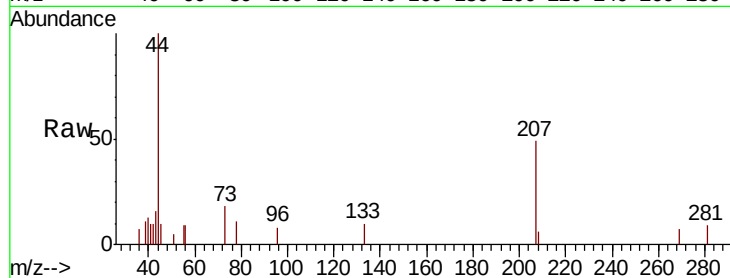
Z3-TB11-200423

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 277.4 56.0 84.0#



#14

Allyl chloride

Concen: 0.232 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

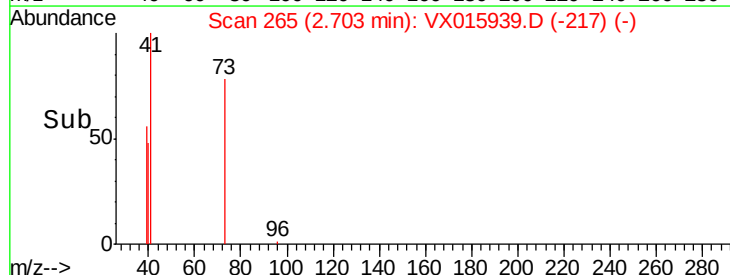
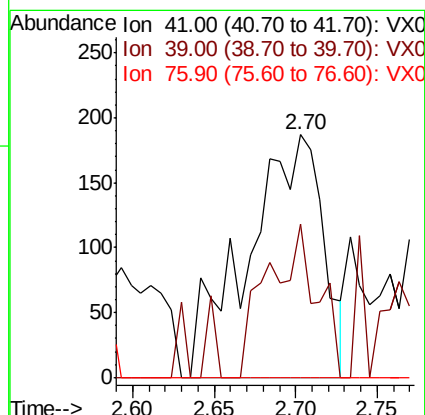
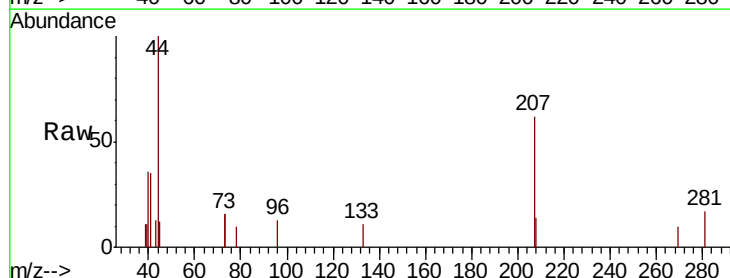
Tgt Ion: 41 Resp: 605

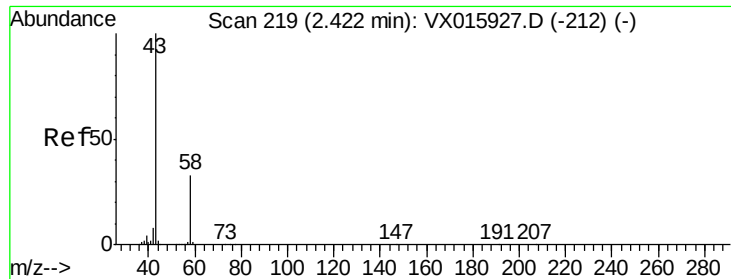
Ion Ratio Lower Upper

41 100

39 41.3 51.6 77.4#

76 0.0 29.3 43.9#





#16

Acetone

Concen: 0.594 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

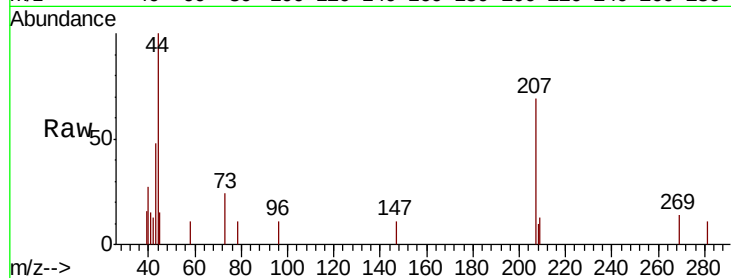
Z3-TB11-200423

Tot Ion: 43 Resp: 410

Ion Ratio Lower Upper

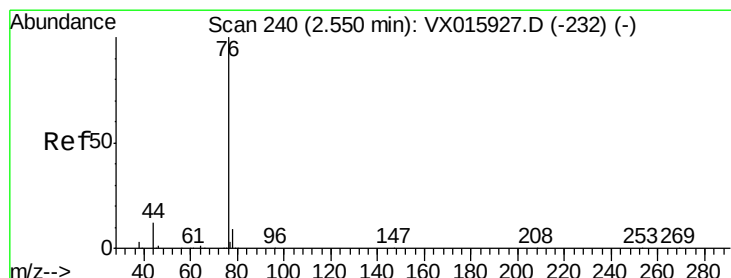
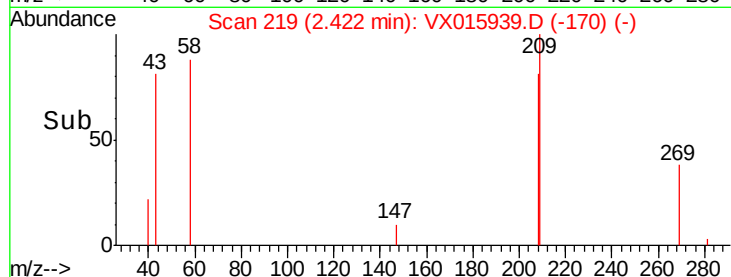
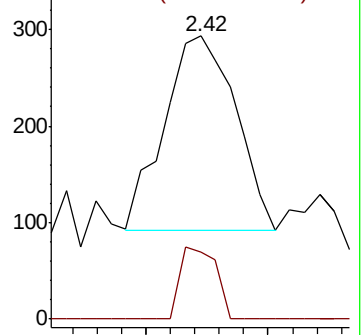
43 100

58 34.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.338 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015939.D

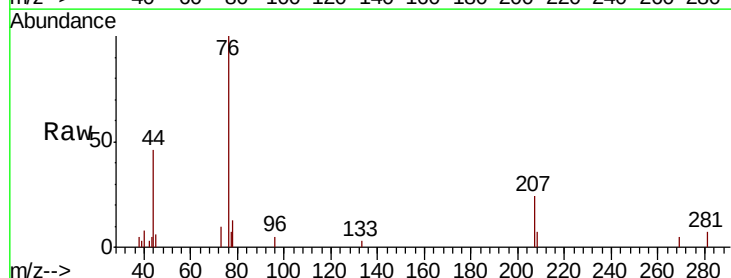
Acq: 24 Apr 2020 18:36

Tgt Ion: 76 Resp: 2585

Ion Ratio Lower Upper

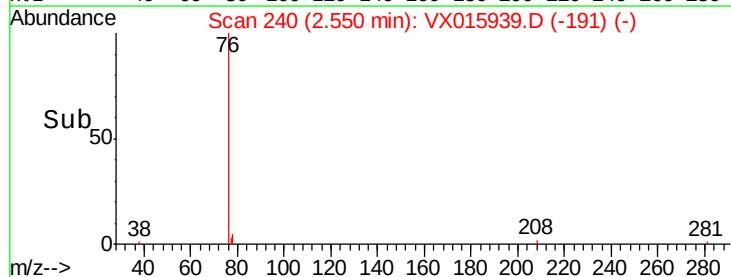
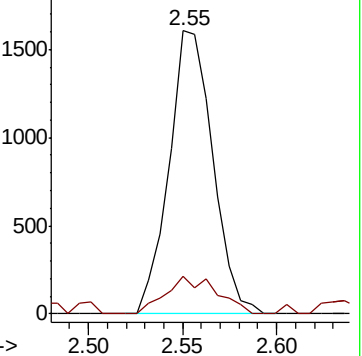
76 100

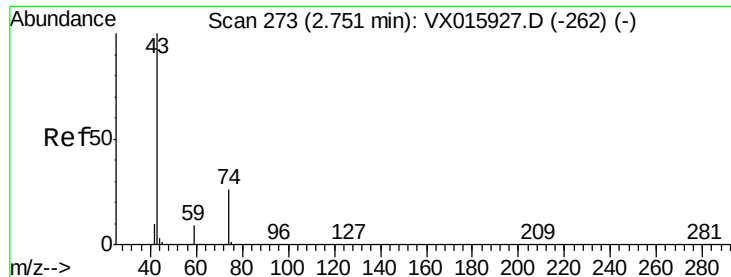
78 13.1 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

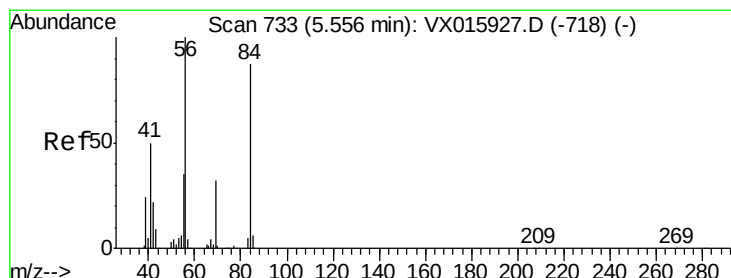
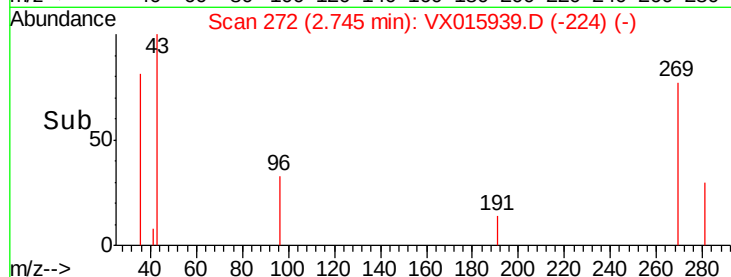
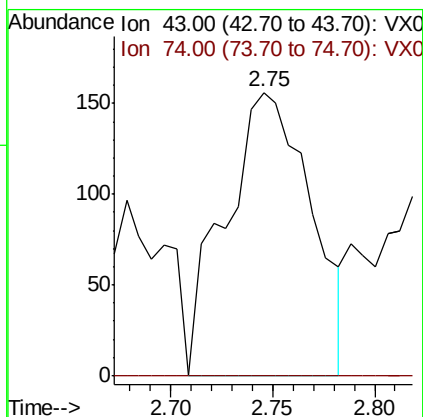
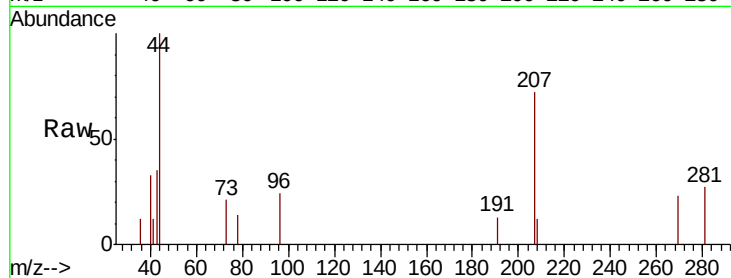




#18
Methyl Acetate
Concen: 0.219 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX015939.D
Acq: 24 Apr 2020 18:36

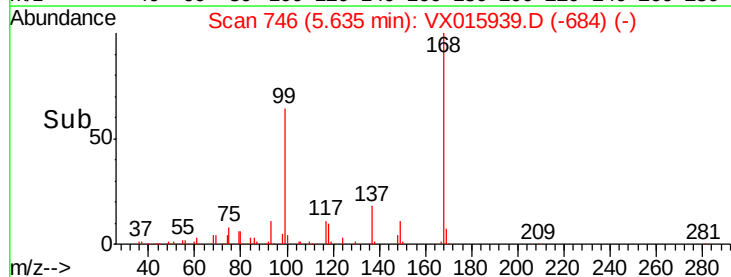
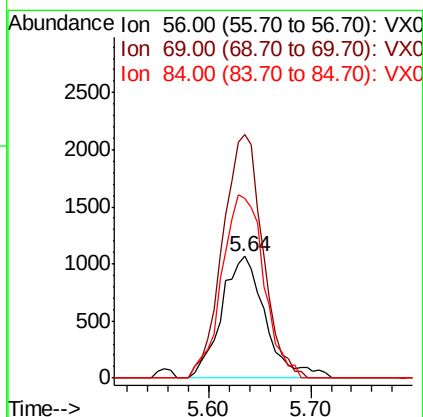
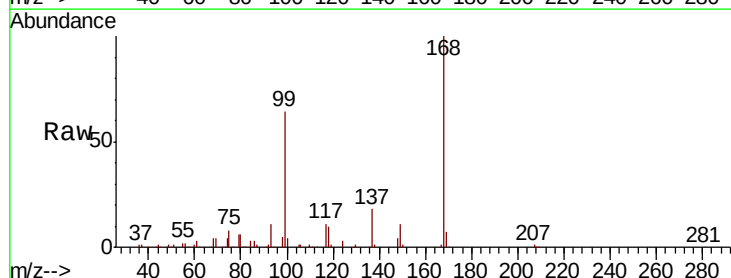
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB11-200423

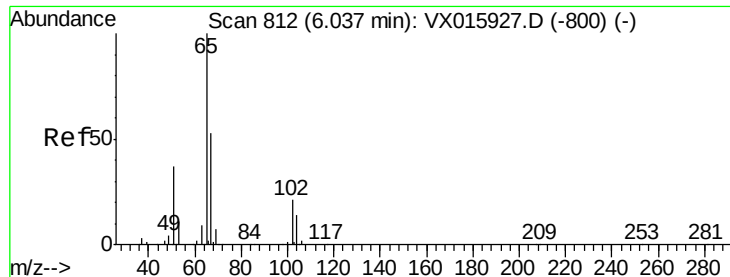
Tot Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#31
Cyclohexane
Concen: 1.159 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX015939.D
Acq: 24 Apr 2020 18:36

Tgt Ion: 56 Resp: 3198
Ion Ratio Lower Upper
56 100
69 200.6 25.4 38.0#
84 148.1 69.5 104.3#

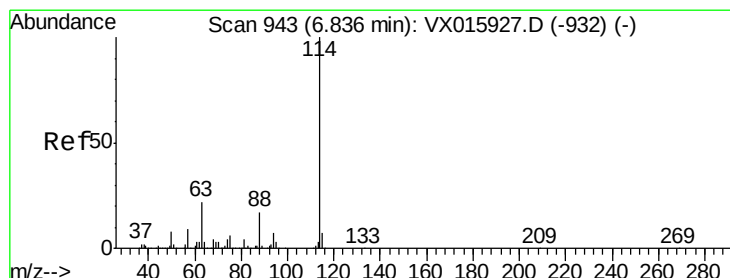
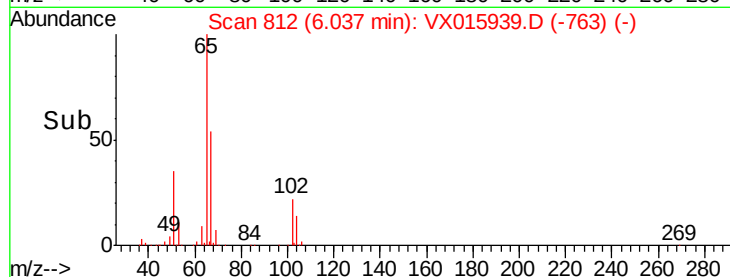
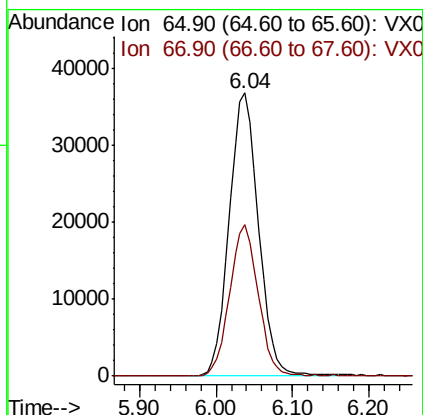
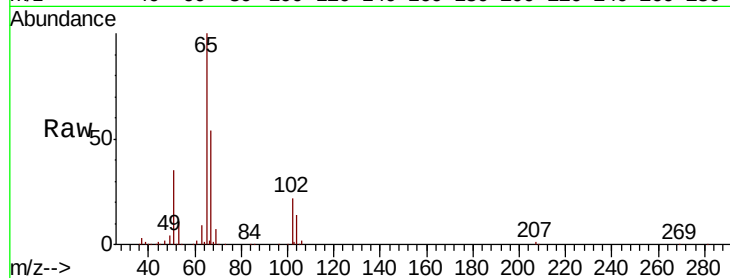




#33
 1,2-Dichloroethane-d4
 Concen: 53.028 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VX015939.D
 Acq: 24 Apr 2020 18:36

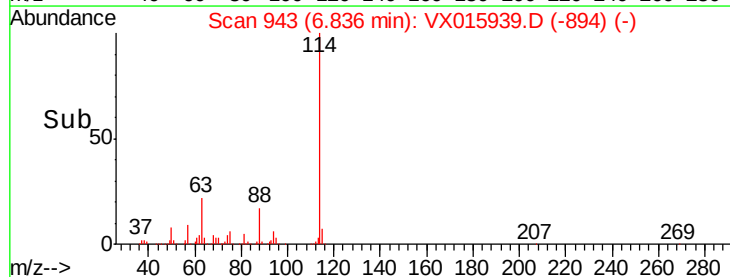
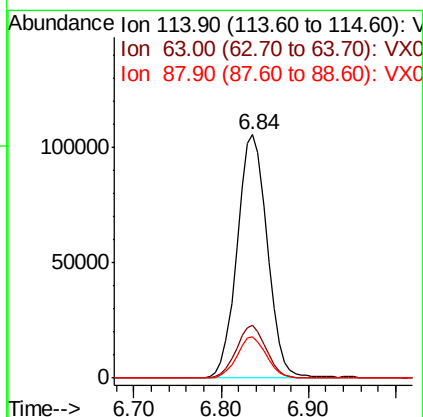
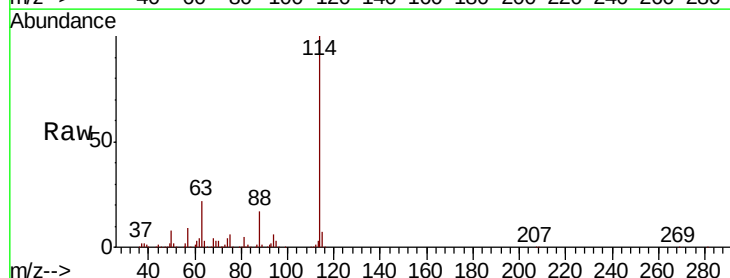
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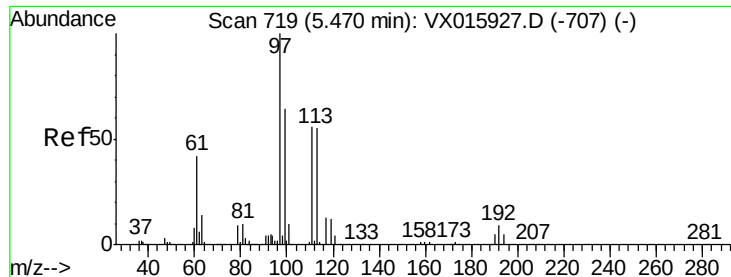
Tot Ion: 65 Resp: 97553
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VX015939.D
 Acq: 24 Apr 2020 18:36

Tgt Ion: 114 Resp: 253265
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.4
 88 17.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 53.167 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB11-200423

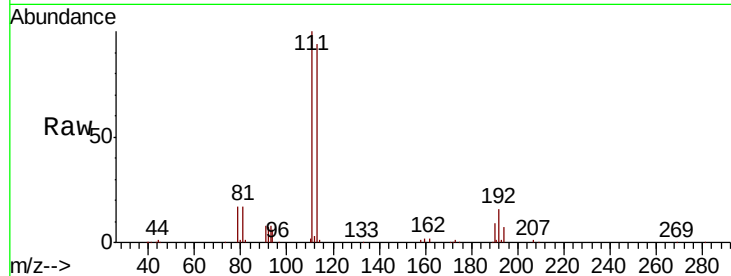
Tot Ion:113 Resp: 73438

Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

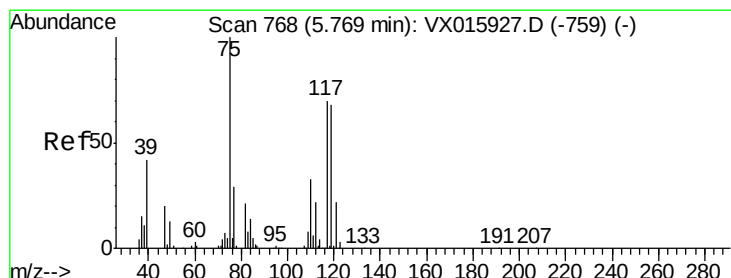
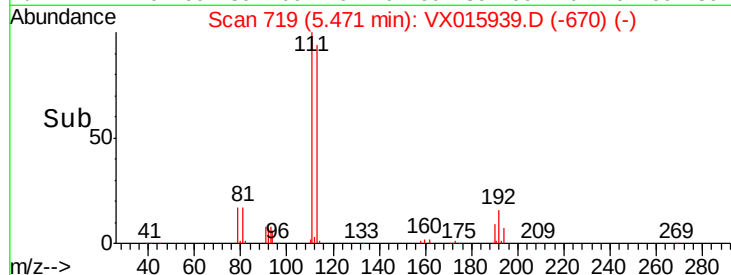
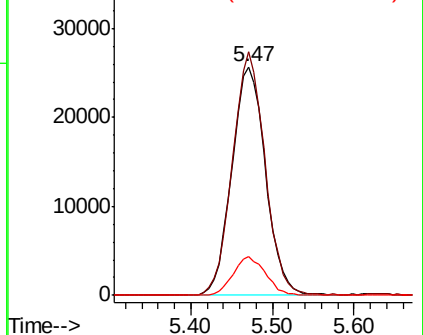
192 16.3 13.6 20.4



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: 5.252 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

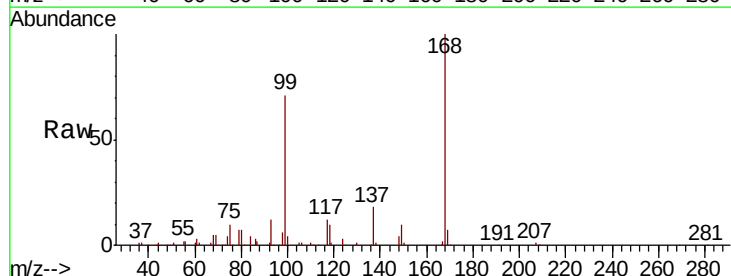
Tgt Ion: 75 Resp: 12694

Ion Ratio Lower Upper

75 100

110 7.4 17.1 51.3#

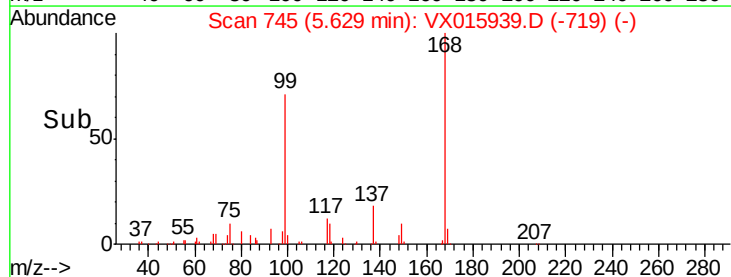
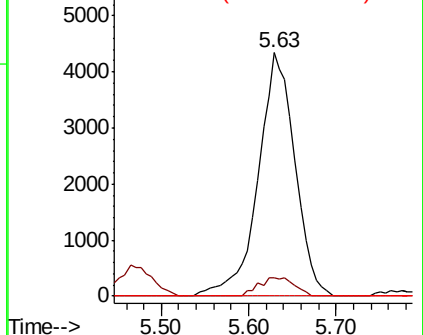
77 0.0 25.0 37.4#

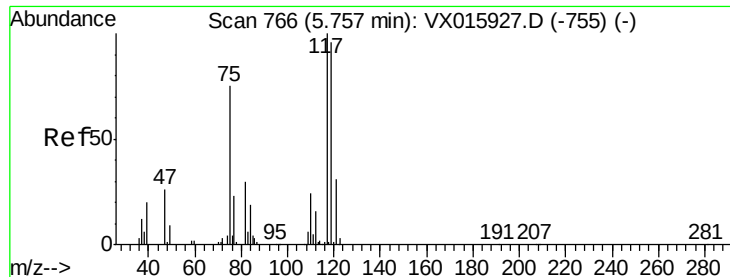


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.690 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB11-200423

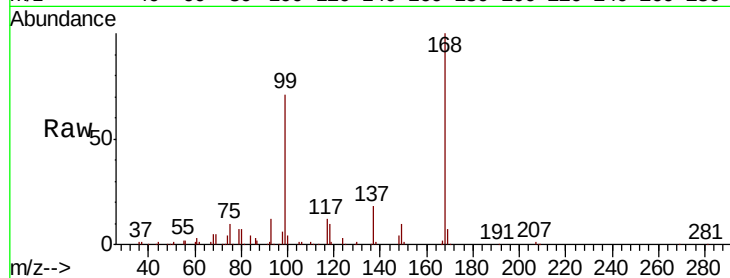
Tot Ion:117 Resp: 14777

Ion Ratio Lower Upper

117 100

119 4.1 77.0 115.6#

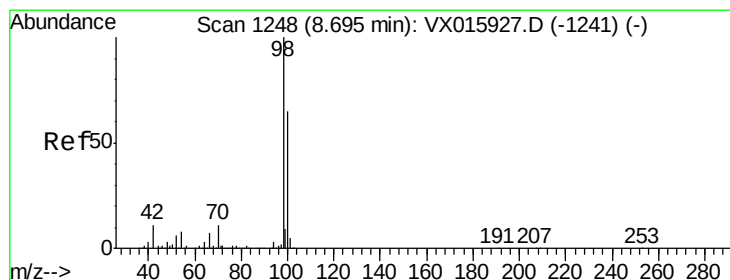
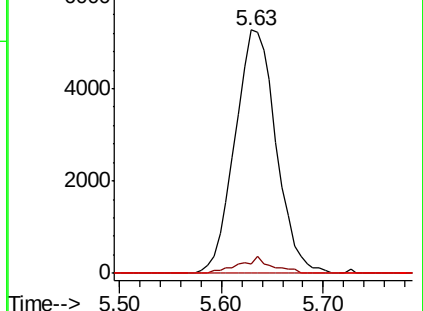
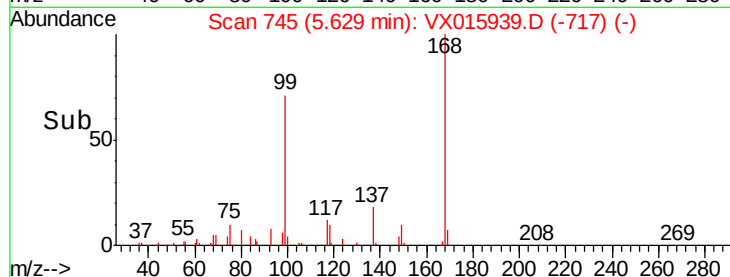
121 0.0 25.0 37.4#



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: 54.057 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015939.D

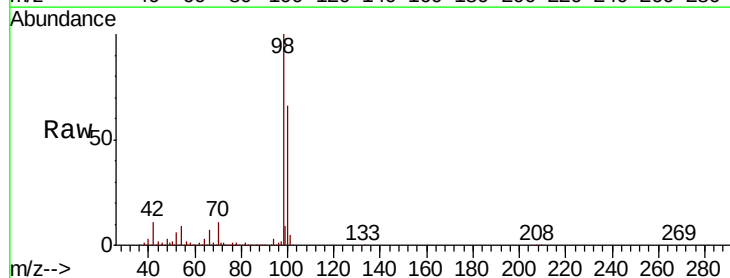
Acq: 24 Apr 2020 18:36

Tgt Ion: 98 Resp: 316120

Ion Ratio Lower Upper

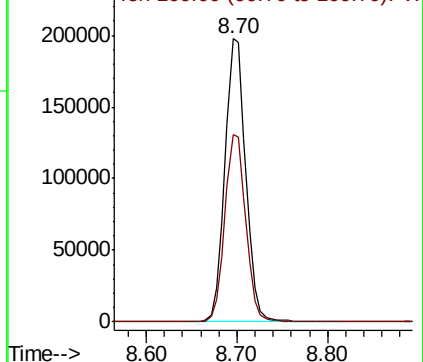
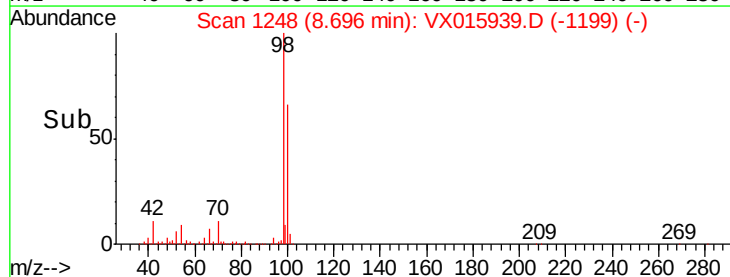
98 100

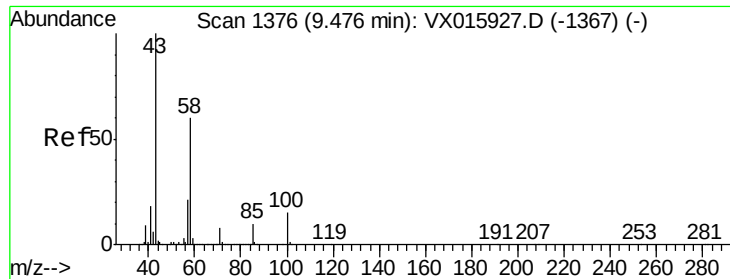
100 66.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

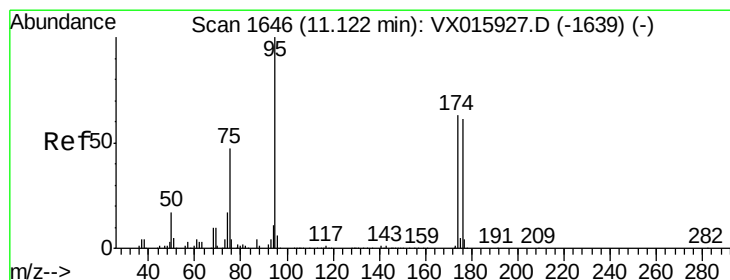
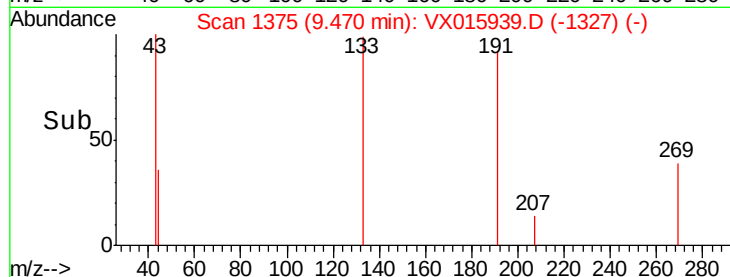
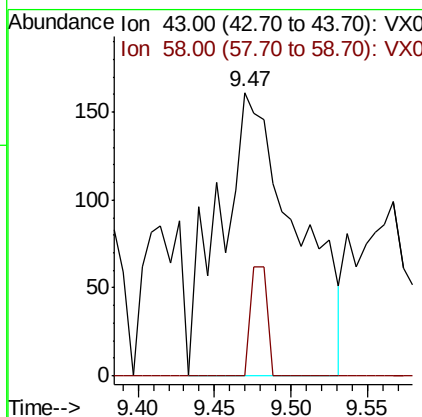
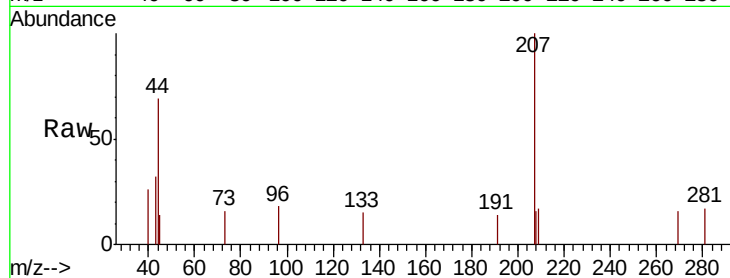




#59
2-Hexanone
Concen: 0.319 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX015939.D
Acq: 24 Apr 2020 18:36

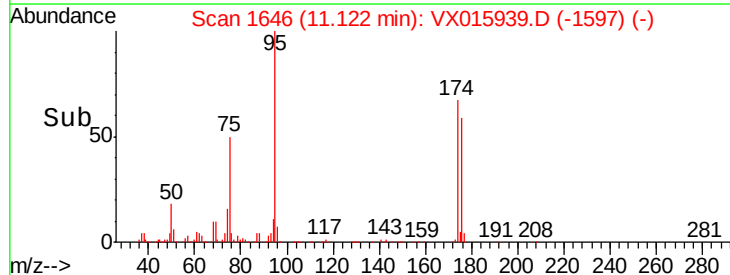
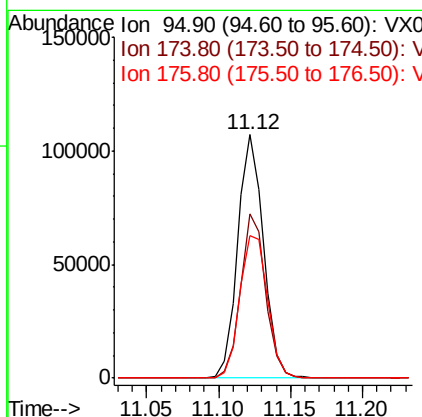
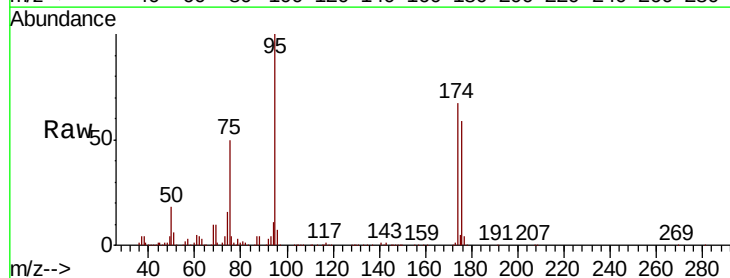
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB11-200423

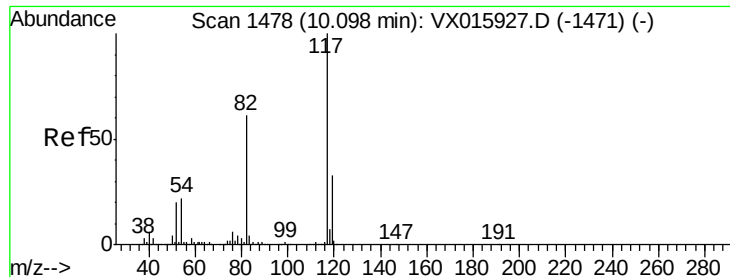
Tot Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
58 8.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.186 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015939.D
Acq: 24 Apr 2020 18:36

Tgt Ion: 95 Resp: 133269
Ion Ratio Lower Upper
95 100
174 65.4 0.0 133.6
176 63.3 0.0 126.0

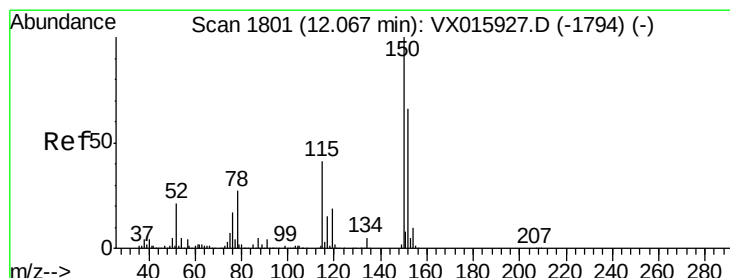
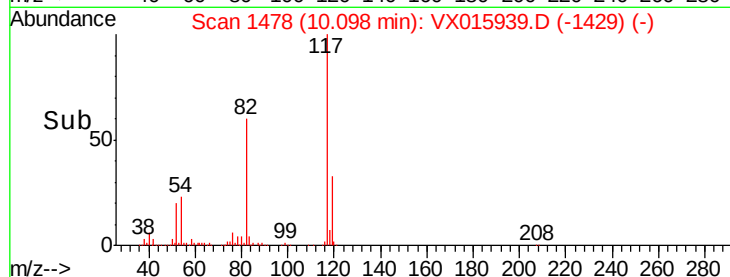
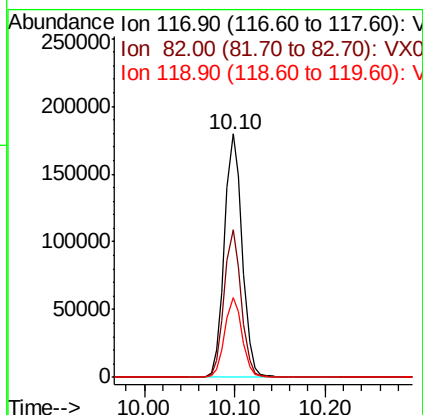
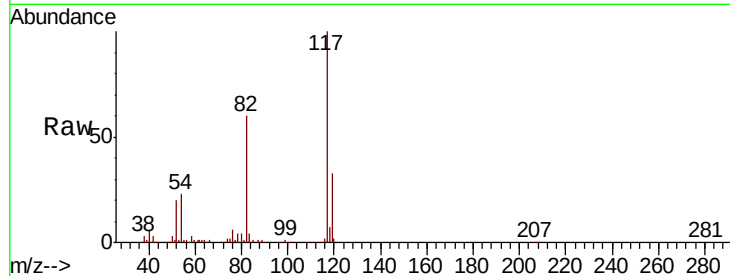




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015939.D
Acq: 24 Apr 2020 18:36

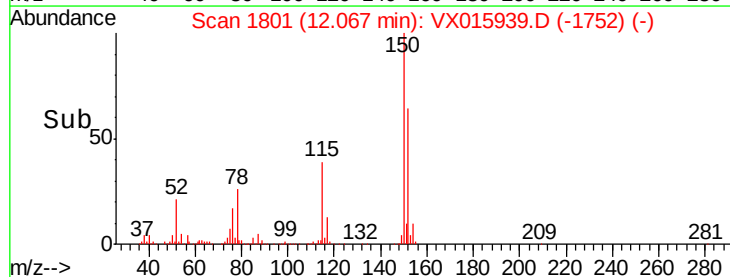
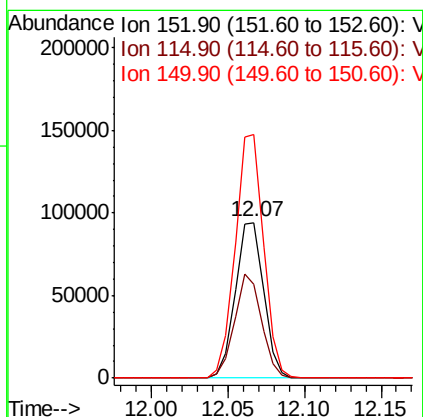
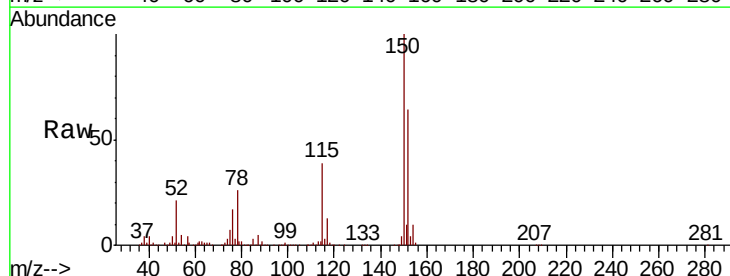
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB11-200423

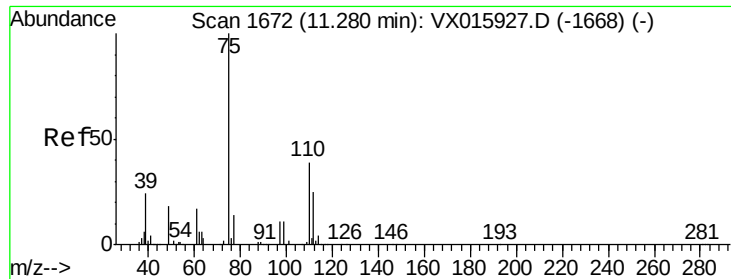
Tot Ion:117 Resp: 245697
Ion Ratio Lower Upper
117 100
82 60.4 48.5 72.7
119 32.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VX015939.D
Acq: 24 Apr 2020 18:36

Tgt Ion:152 Resp: 121440
Ion Ratio Lower Upper
152 100
115 63.6 44.1 132.4
150 156.7 0.0 343.6





#76

1,2,3-Trichloropropane

Concen: 25.616 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

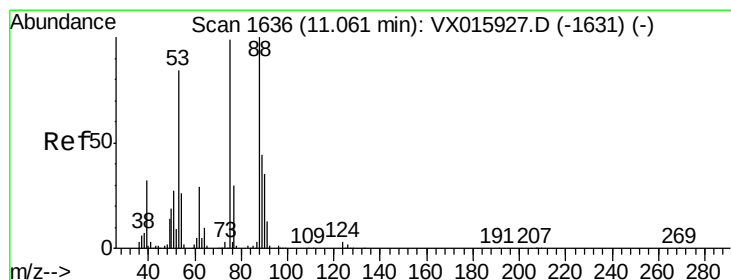
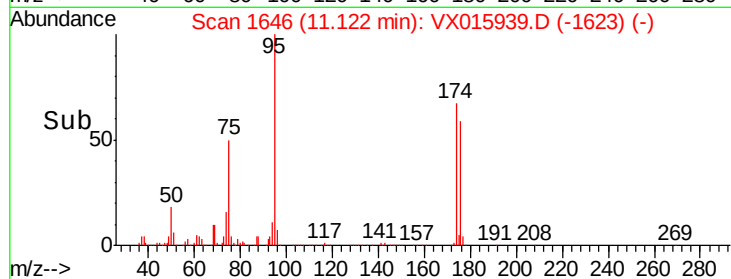
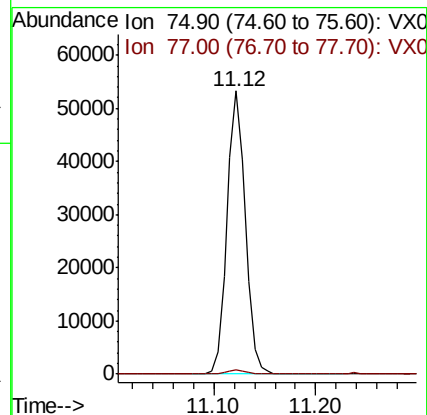
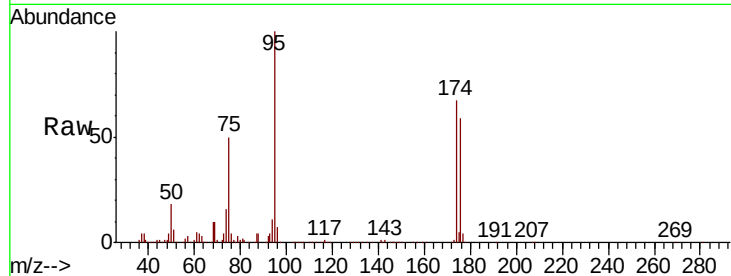
Z3-TB11-200423

Tot Ion: 75 Resp: 66730

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.704 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015939.D

Acq: 24 Apr 2020 18:36

Tgt Ion: 75 Resp: 66730

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#

