

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031525.D
 Acq On : 21 Sep 2022 15:29
 Operator : JC/MD
 Sample : N4614-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 H-3RA

Quant Time: Sep 22 01:13:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

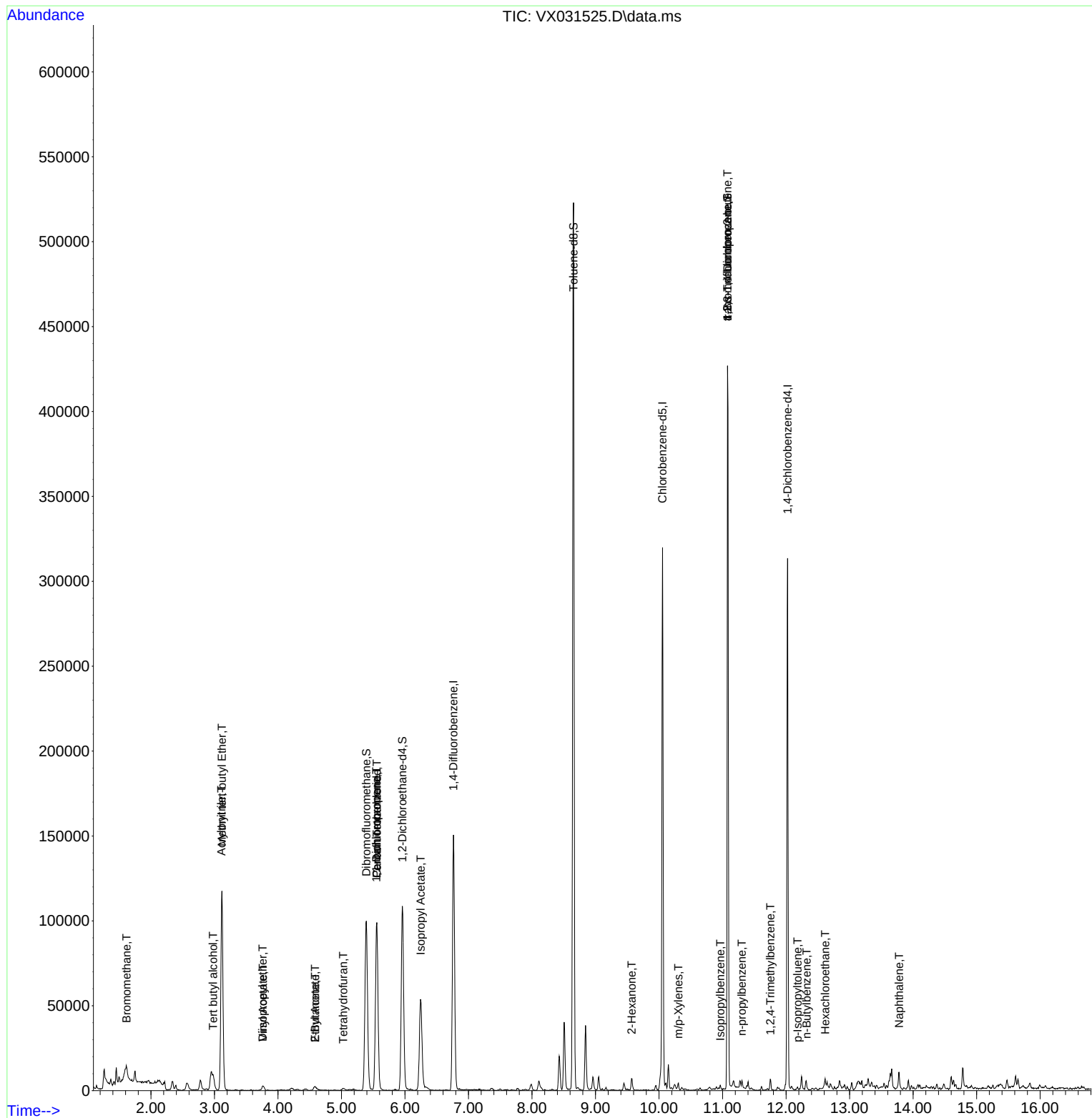
Internal Standards						
1) Pentafluorobenzene	5.556	168	94678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	154086	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97362	56.100	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.200%
35) Dibromofluoromethane	5.391	113	81650	51.286	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.580%
50) Toluene-d8	8.653	98	309559	50.425	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.860%
62) 4-Bromofluorobenzene	11.079	95	96793	46.548	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.100%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	675	0.230	ug/l #	65
6) Chloroethane	1.666	64	277	Below Cal	#	43
11) Tert butyl alcohol	2.977	59	16733	15.547	ug/l #	92
13) Acrolein	2.215	56	197	Below Cal	#	1
15) Acrylonitrile	3.111	53	1581	1.730	ug/l #	31
16) Acetone	2.392	43	2927	Below Cal	#	86
19) Methyl tert-butyl Ether	3.117	73	132349	24.831	ug/l	97
20) Methylene Chloride	2.794	84	207	Below Cal	#	64
22) Diisopropyl ether	3.757	45	1270	0.244	ug/l #	91
23) Vinyl Acetate	3.763	43	1540	0.346	ug/l #	71
25) 2-Butanone	4.587	43	876	0.653	ug/l #	49
29) Tetrahydrofuran	5.025	42	1140	1.304	ug/l #	86
36) 1,1-Dichloropropene	5.550	75	7423	3.031	ug/l #	51
37) Ethyl Acetate	4.587	43	876	0.300	ug/l #	68
38) Carbon Tetrachloride	5.556	117	9646	3.553	ug/l #	16
43) Isopropyl Acetate	6.245	43	14449	3.217	ug/l #	62
59) 2-Hexanone	9.567	43	1184	0.546	ug/l	78
68) m/p-Xylenes	10.305	106	804	0.269	ug/l	83
73) Isopropylbenzene	10.963	105	1017	0.224	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.183	83	124	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.079	75	55817	41.216	ug/l #	37
78) n-propylbenzene	11.305	91	2156	0.414	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	55817	132.711	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.756	105	3023	0.798	ug/l	95
86) p-Isopropyltoluene	12.183	119	951	0.239	ug/l	89
89) n-Butylbenzene	12.323	91	839	0.247	ug/l #	32
90) Hexachloroethane	12.616	117	185	0.270	ug/l #	15
95) Naphthalene	13.780	128	7364	1.693	ug/l #	93

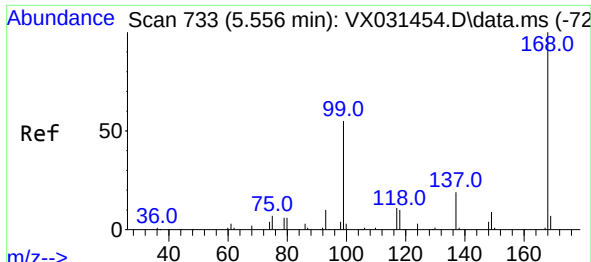
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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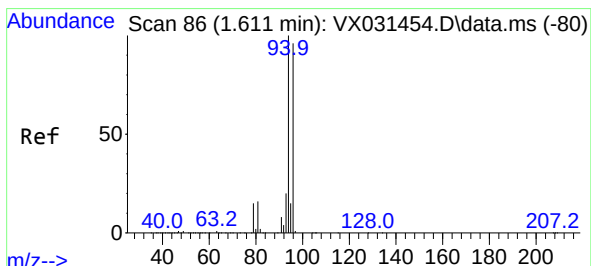
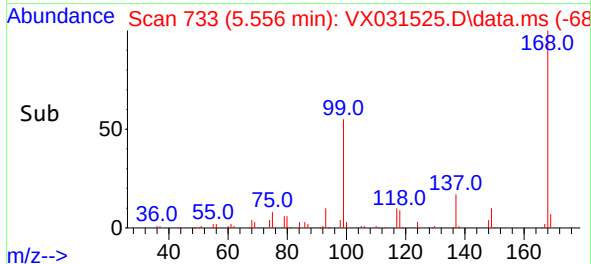
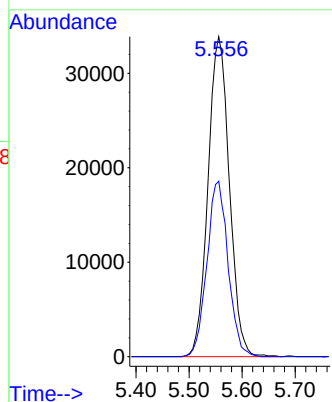
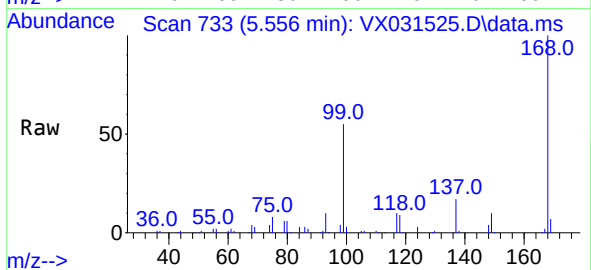




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

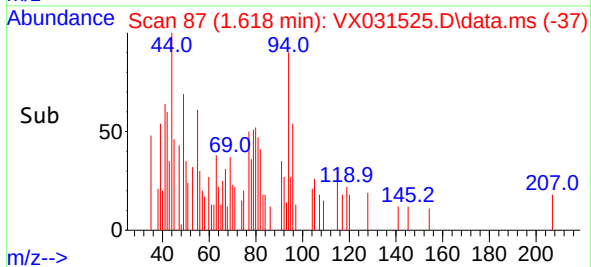
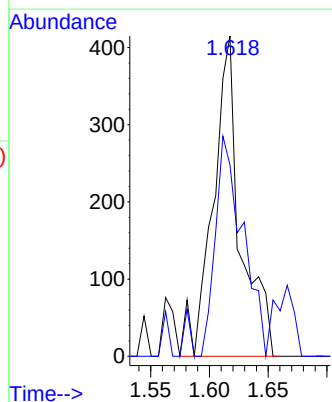
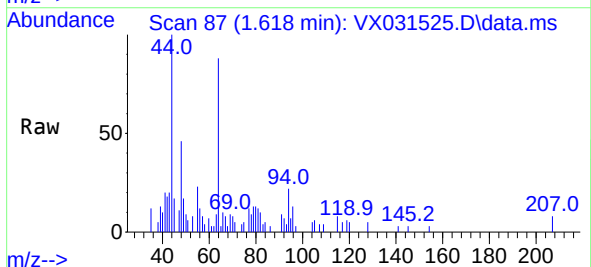
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

Tgt Ion:168 Resp: 94678
Ion Ratio Lower Upper
168 100
99 54.8 48.8 73.2

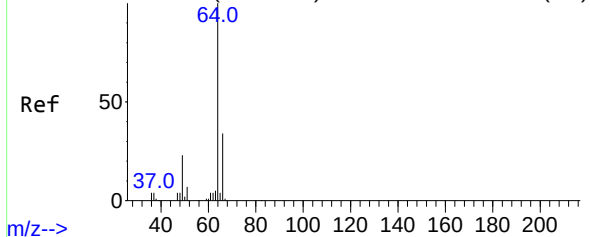


#5
Bromomethane
Concen: 0.230 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion: 94 Resp: 675
Ion Ratio Lower Upper
94 100
96 59.8 74.4 111.6#



Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.666 min Scan# 91

Delta R.T. -0.019 min

Lab File: VX031525.D

Acq: 21 Sep 2022 15:29

Instrument :

MSVOA_X

ClientSampleId :

H-3RA

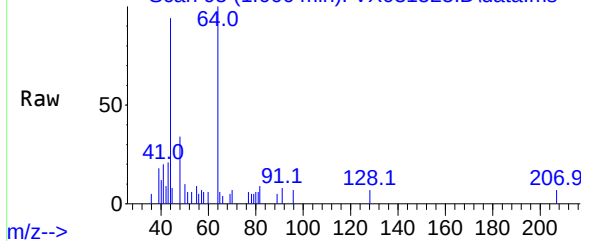
Tgt Ion: 64 Resp: 277

Ion Ratio Lower Upper

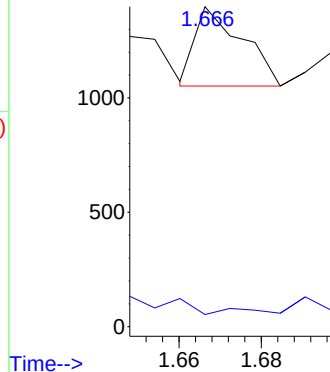
64 100

66 0.0 25.0 37.4#

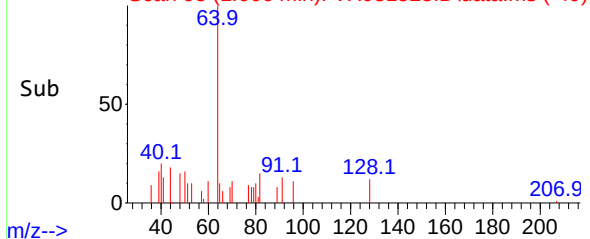
Abundance Scan 95 (1.666 min): VX031525.D\data.ms



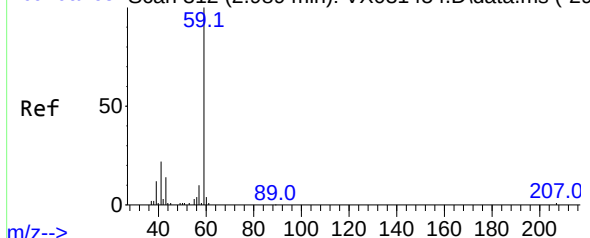
Abundance



Abundance Scan 95 (1.666 min): VX031525.D\data.ms (-49)



Abundance Scan 312 (2.989 min): VX031454.D\data.ms (-29)



#11

Tert butyl alcohol

Concen: 15.547 ug/l

RT: 2.977 min Scan# 310

Delta R.T. -0.012 min

Lab File: VX031525.D

Acq: 21 Sep 2022 15:29

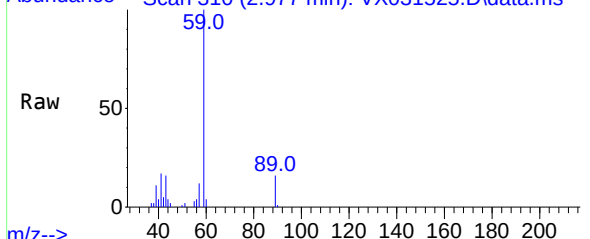
Tgt Ion: 59 Resp: 16733

Ion Ratio Lower Upper

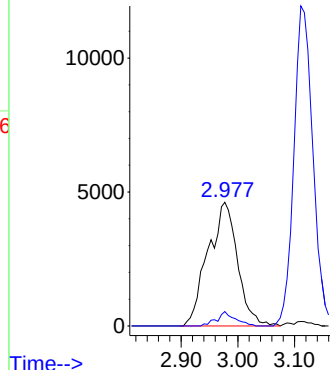
59 100

57 7.2 8.2 12.2#

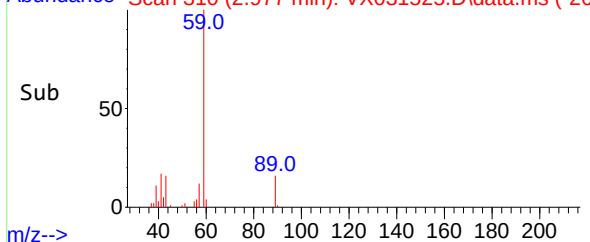
Abundance Scan 310 (2.977 min): VX031525.D\data.ms

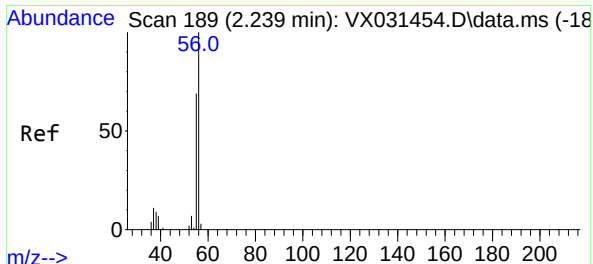


Abundance



Abundance Scan 310 (2.977 min): VX031525.D\data.ms (-26)

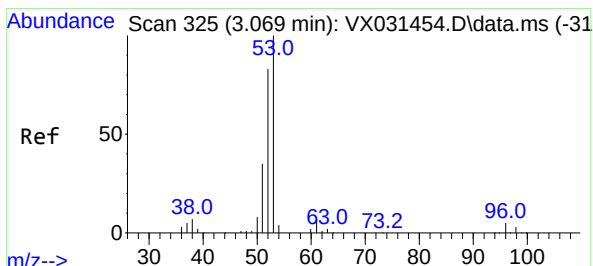
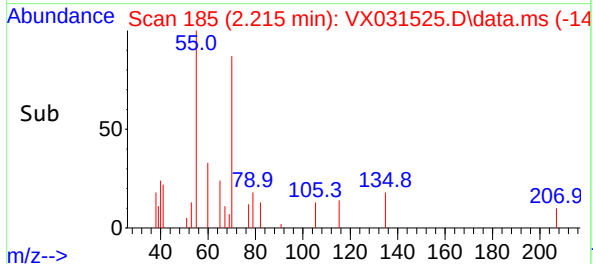
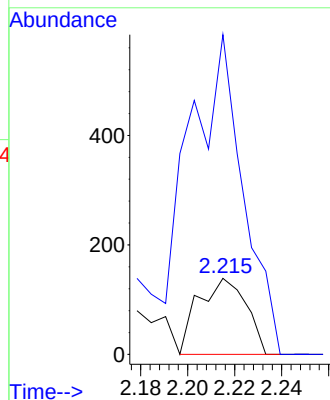
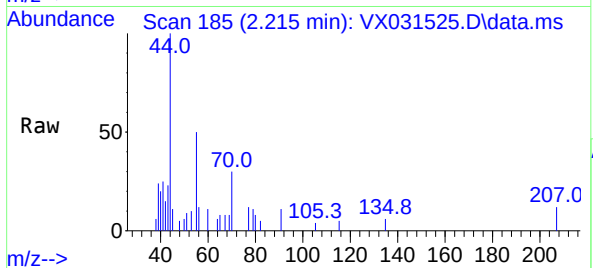




#13
Acrolein
Concen: Below Cal
RT: 2.215 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

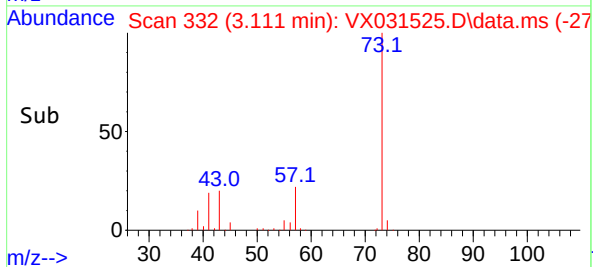
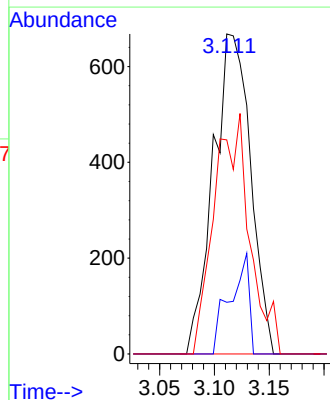
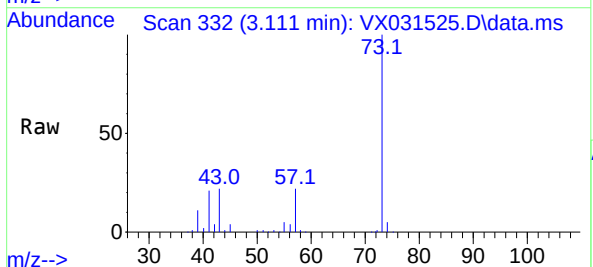
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

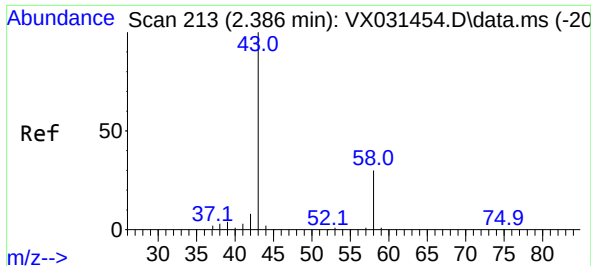
Tgt Ion: 56 Resp: 197
Ion Ratio Lower Upper
56 100
55 465.0 56.0 84.0#



#15
Acrylonitrile
Concen: 1.730 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.042 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion: 53 Resp: 1581
Ion Ratio Lower Upper
53 100
52 16.1 66.9 100.3#
51 71.3 30.0 45.0#

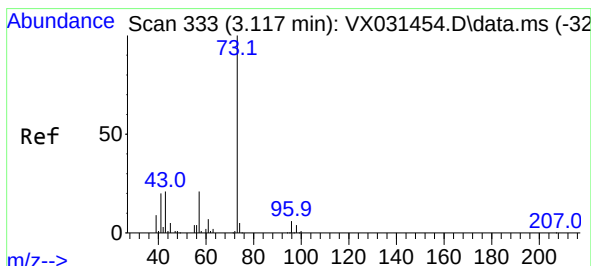
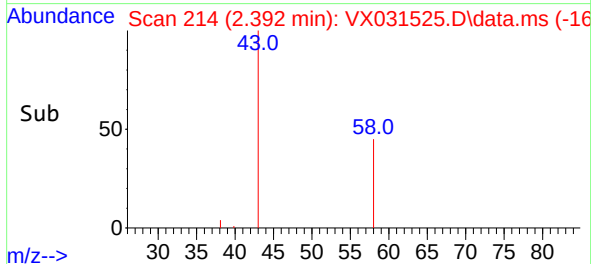
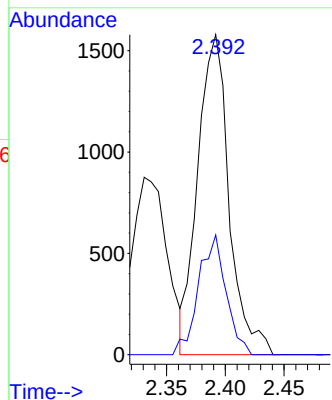
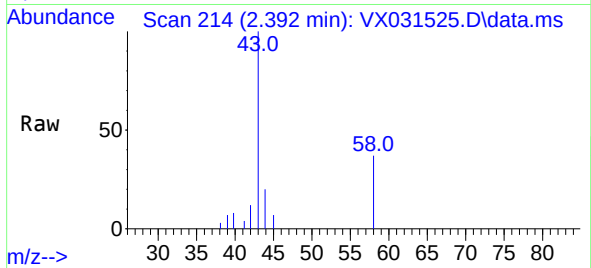




#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

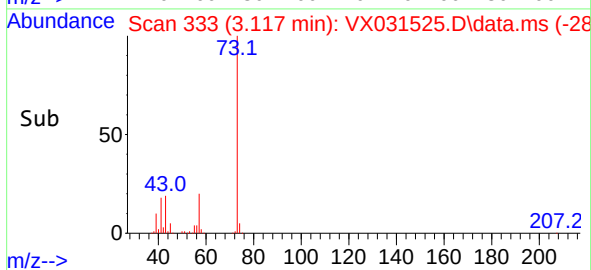
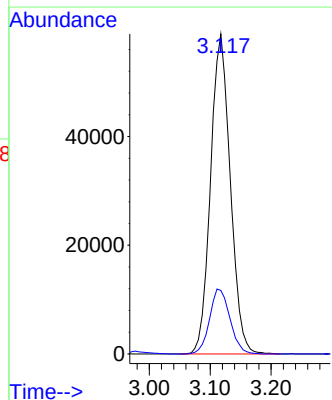
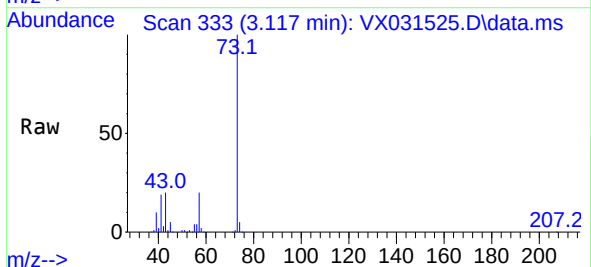
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

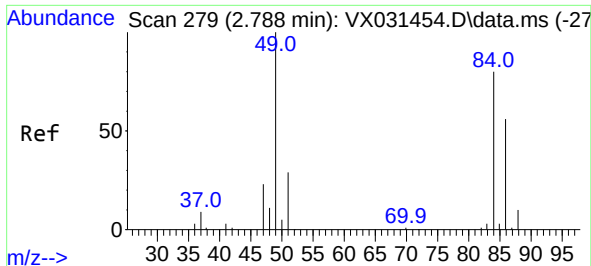
Tgt Ion: 43 Resp: 2927
Ion Ratio Lower Upper
43 100
58 37.4 23.8 35.8#



#19
Methyl tert-butyl Ether
Concen: 24.831 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion: 73 Resp: 132349
Ion Ratio Lower Upper
73 100
57 19.9 17.2 25.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031525.D

Acq: 21 Sep 2022 15:29

Instrument :

MSVOA_X

ClientSampleId :

H-3RA

Tgt Ion: 84 Resp: 207

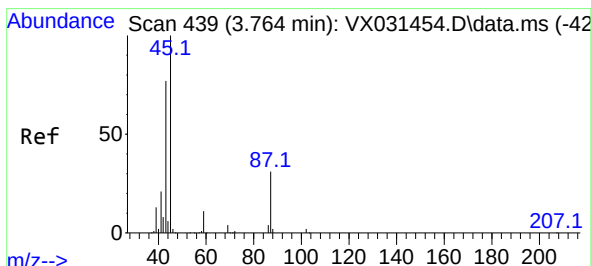
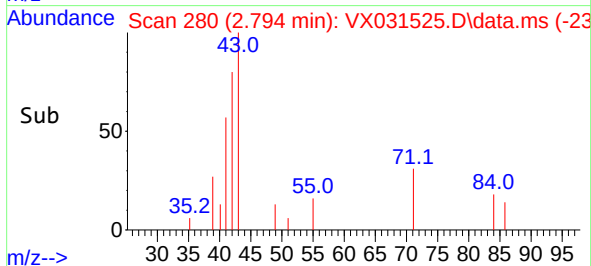
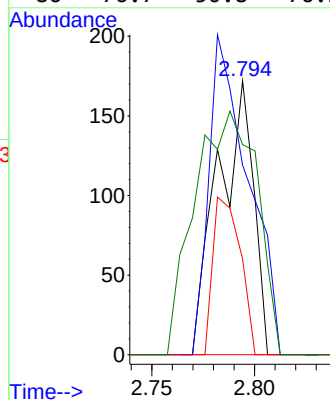
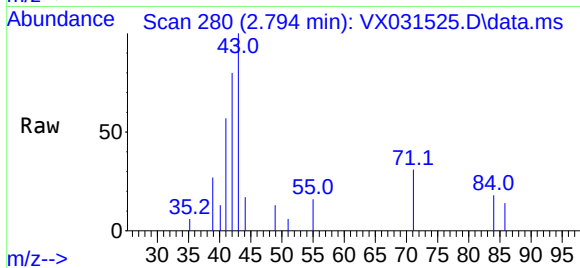
Ion Ratio Lower Upper

84 100

49 69.2 105.9 158.9#

51 34.9 32.2 48.2

86 76.7 50.8 76.2#



#22

Diisopropyl ether

Concen: 0.244 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.007 min

Lab File: VX031525.D

Acq: 21 Sep 2022 15:29

Tgt Ion: 45 Resp: 1270

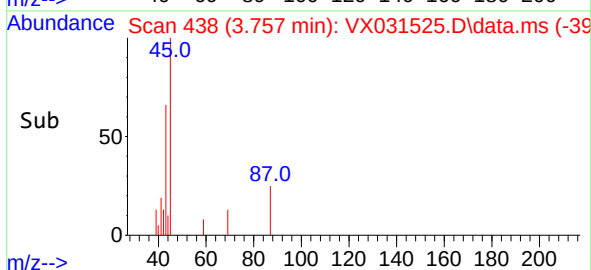
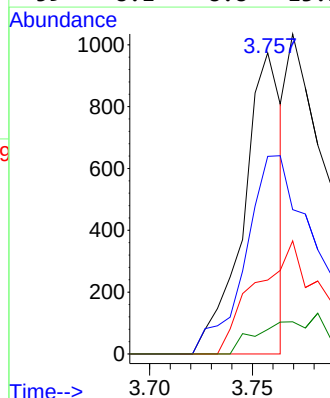
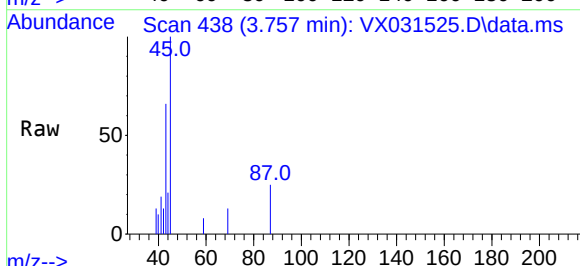
Ion Ratio Lower Upper

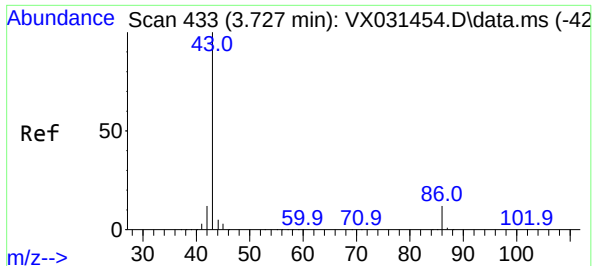
45 100

43 65.6 59.0 88.6

87 24.5 22.6 33.8

59 8.1 8.8 13.2#

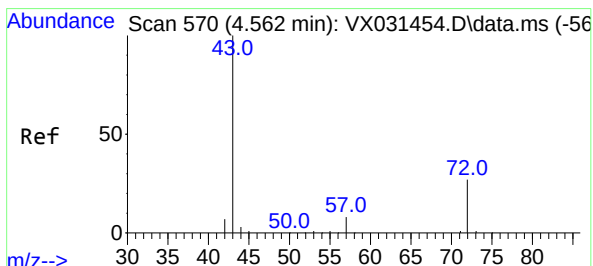
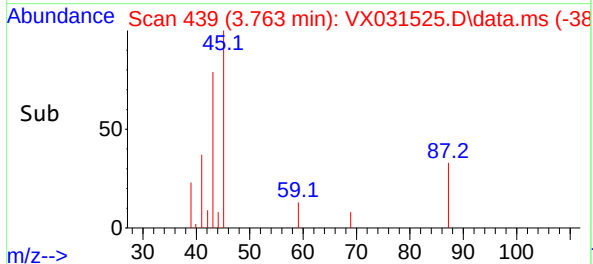
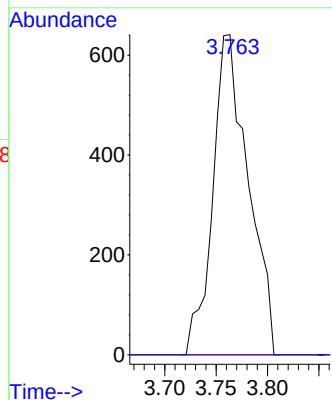
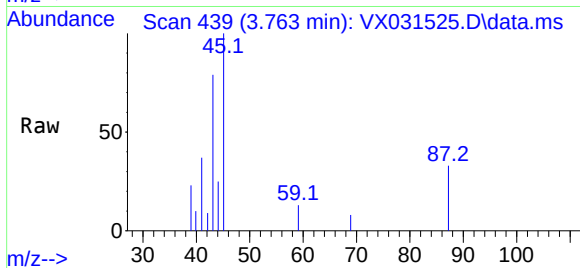




#23
 Vinyl Acetate
 Concen: 0.346 ug/l
 RT: 3.763 min Scan# 41
 Delta R.T. 0.036 min
 Lab File: VX031525.D
 Acq: 21 Sep 2022 15:29

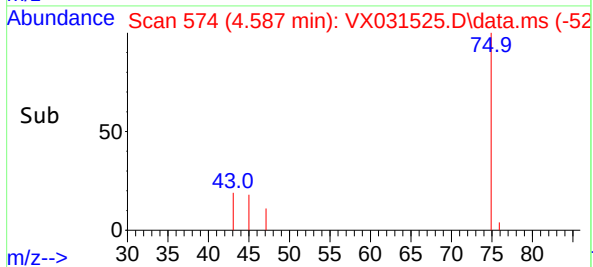
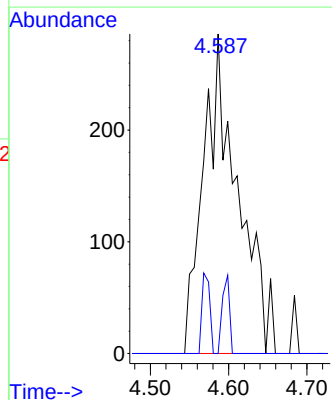
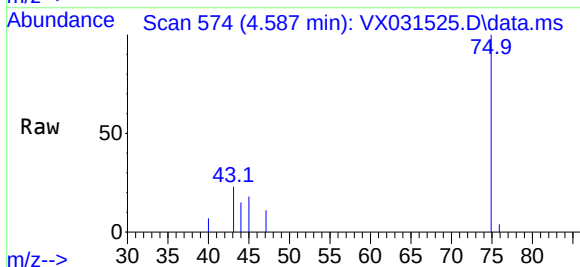
Instrument :
 MSVOA_X
 ClientSampleId :
 H-3RA

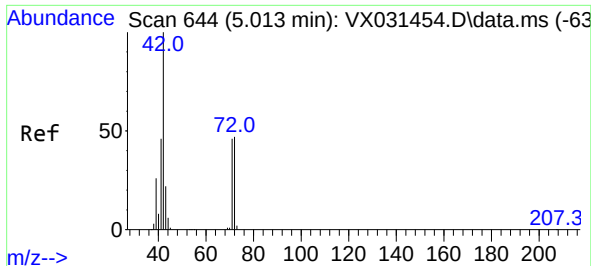
Tgt Ion: 43 Resp: 1540
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.7 13.1#



#25
 2-Butanone
 Concen: 0.653 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. 0.024 min
 Lab File: VX031525.D
 Acq: 21 Sep 2022 15:29

Tgt Ion: 43 Resp: 876
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 1.304 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX031525.D

Acq: 21 Sep 2022 15:29

Instrument :

MSVOA_X

ClientSampleId :

H-3RA

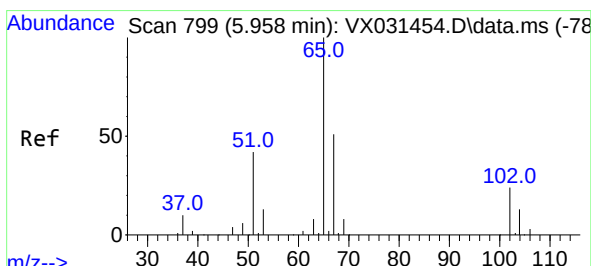
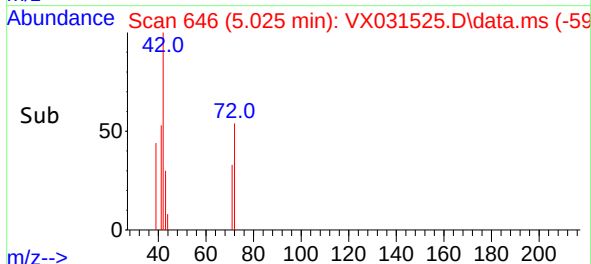
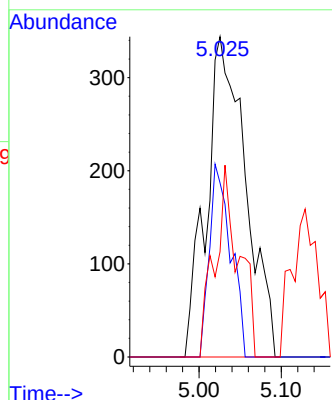
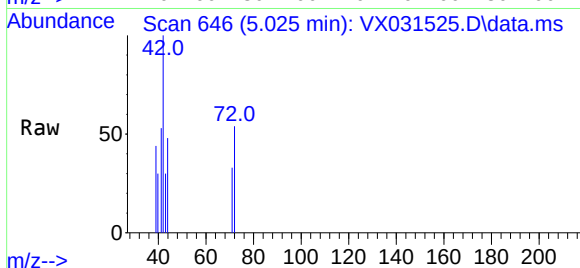
Tgt Ion: 42 Resp: 1140

Ion Ratio Lower Upper

42 100

72 32.8 36.4 54.6#

71 36.5 33.5 50.3



#33

1,2-Dichloroethane-d4

Concen: 56.100 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031525.D

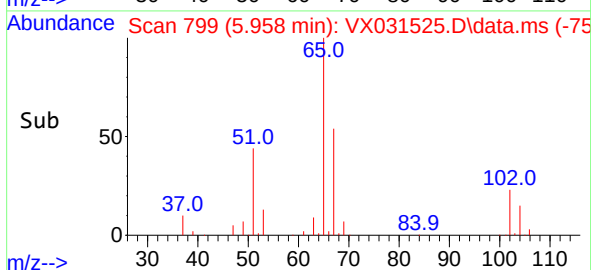
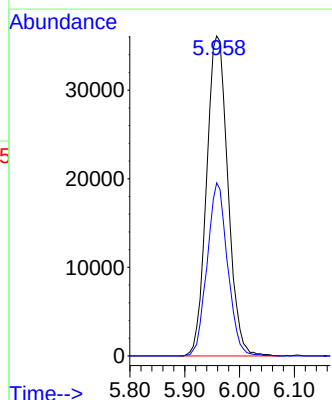
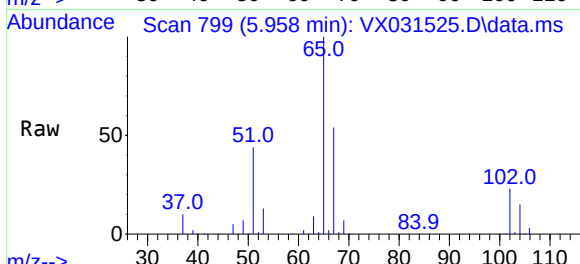
Acq: 21 Sep 2022 15:29

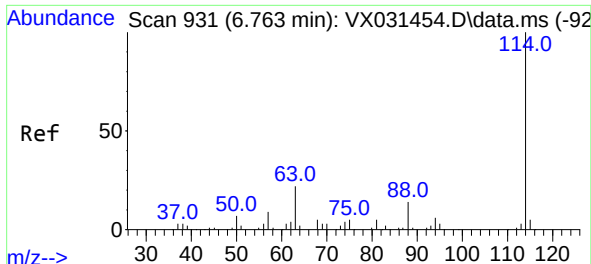
Tgt Ion: 65 Resp: 97362

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.4

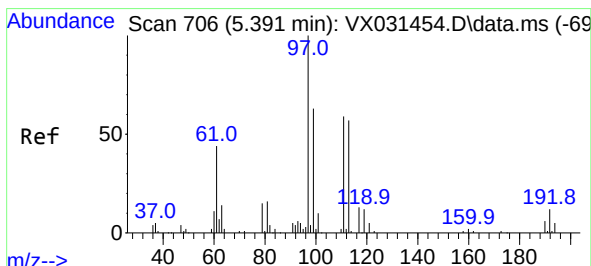
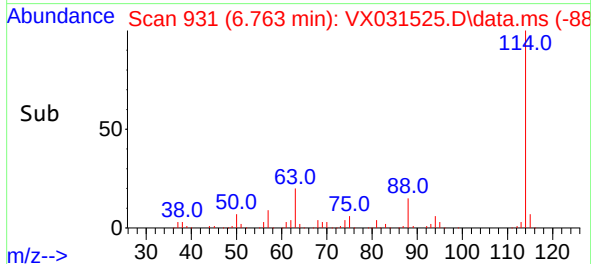
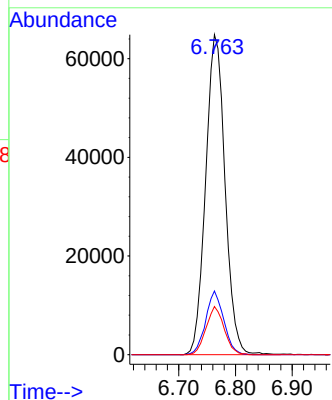
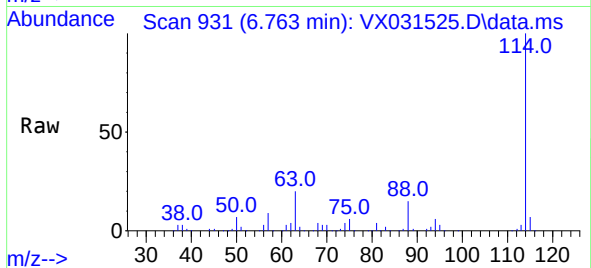




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

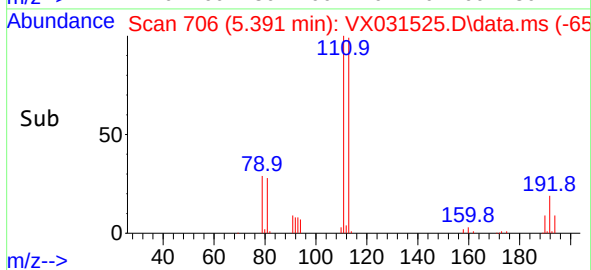
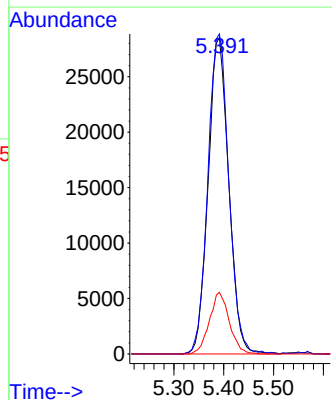
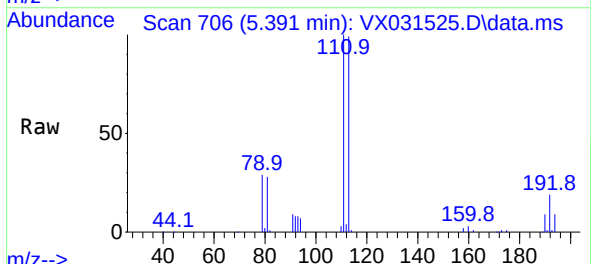
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

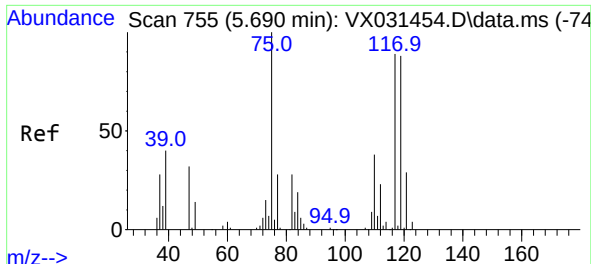
Tgt Ion:114 Resp: 154086
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.6
88 15.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.286 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

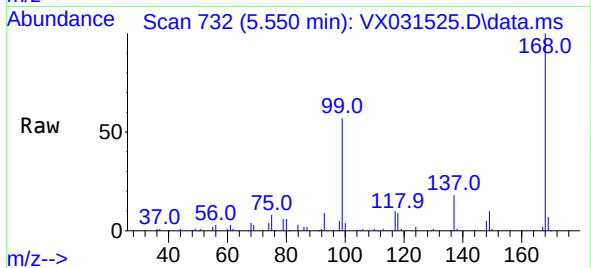
Tgt Ion:113 Resp: 81650
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 18.8 14.1 21.1



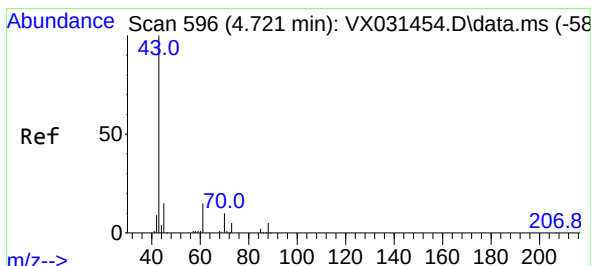
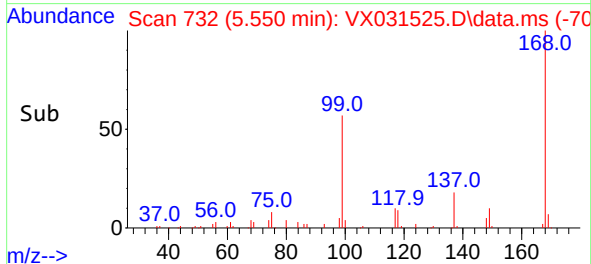
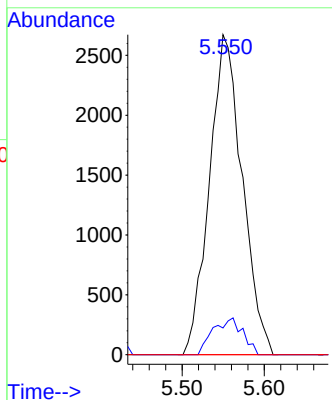


#36
1,1-Dichloropropene
Concen: 3.031 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Instrument :
MSVOA_X
ClientSampleId :
H-3RA

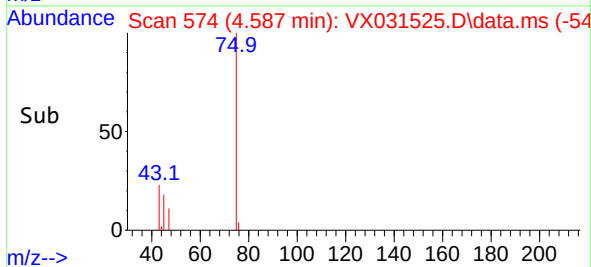
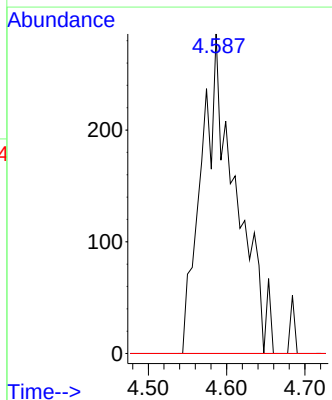
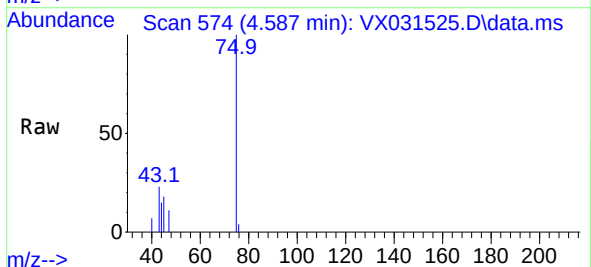


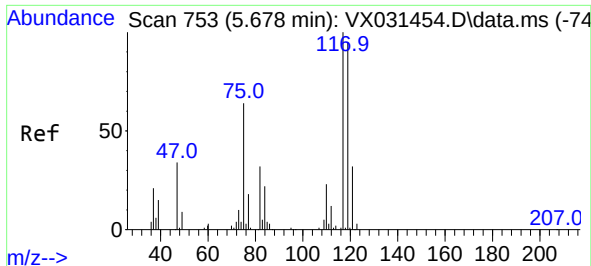
Tgt Ion: 75 Resp: 7423
Ion Ratio Lower Upper
75 100
110 10.4 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.300 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.135 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

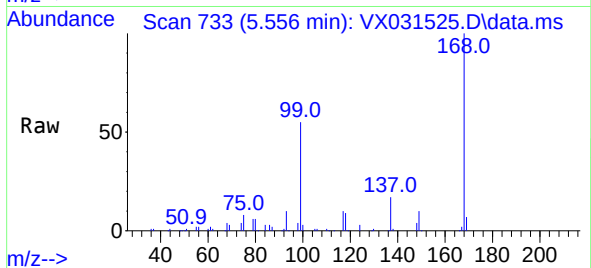
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.6 13.0#



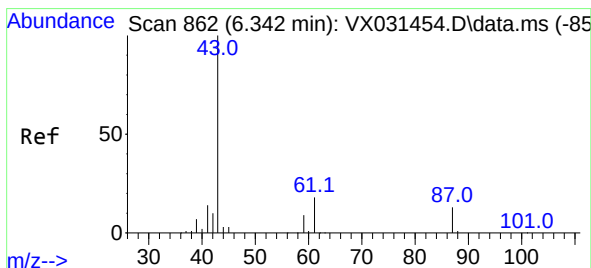
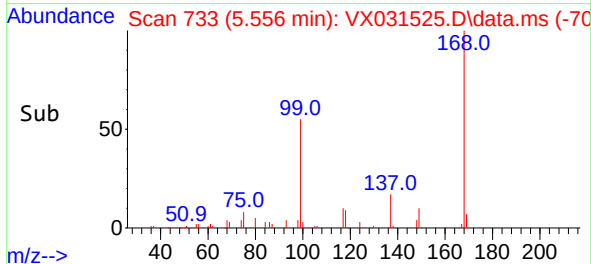
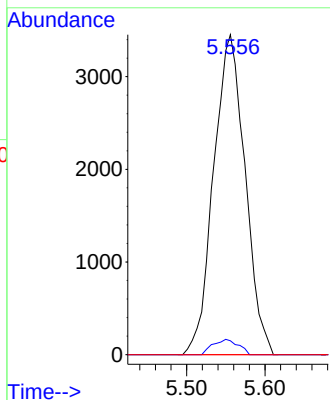


#38
Carbon Tetrachloride
Concen: 3.553 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Instrument :
MSVOA_X
ClientSampleId :
H-3RA

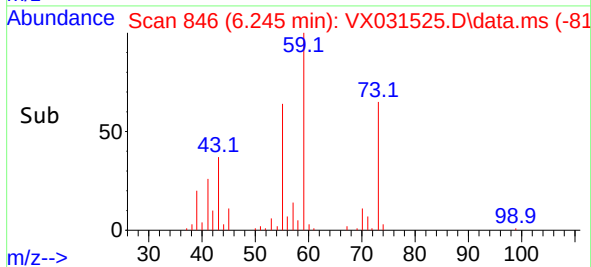
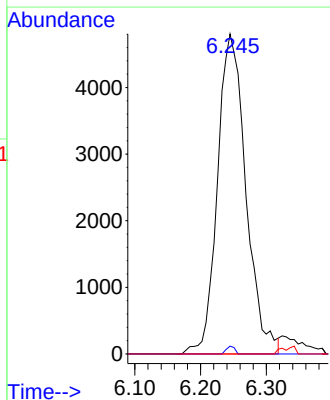
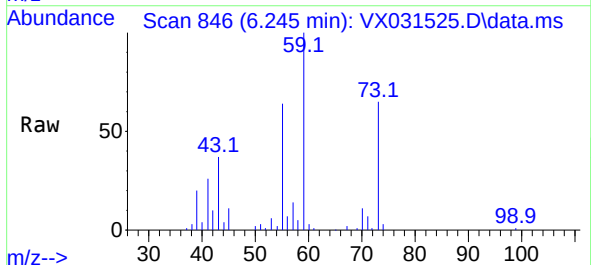


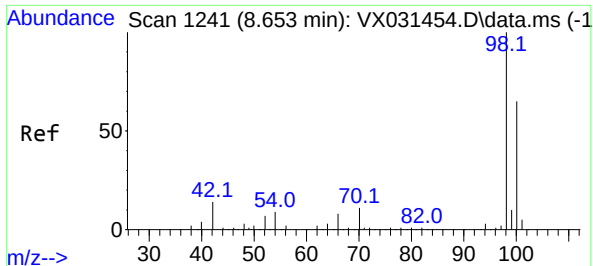
Tgt Ion:117 Resp: 9646
Ion Ratio Lower Upper
117 100
119 4.3 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 3.217 ug/l
RT: 6.245 min Scan# 846
Delta R.T. -0.097 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion: 43 Resp: 14449
Ion Ratio Lower Upper
43 100
61 0.7 15.3 22.9#
87 0.0 10.6 15.8#

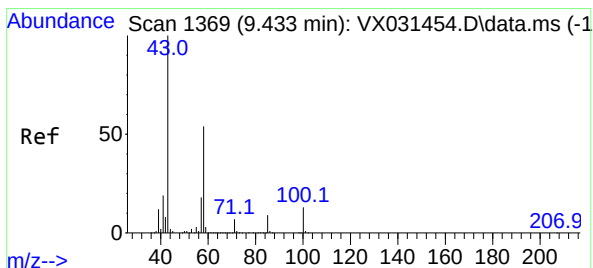
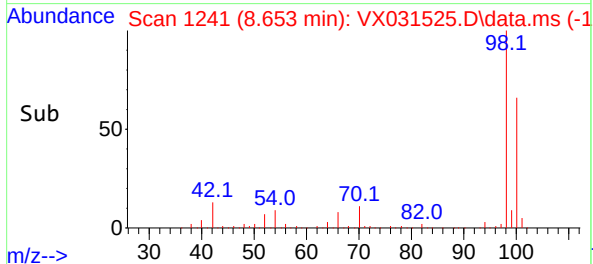
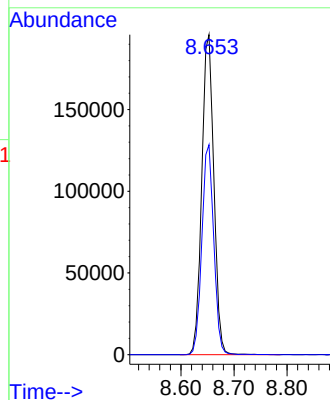
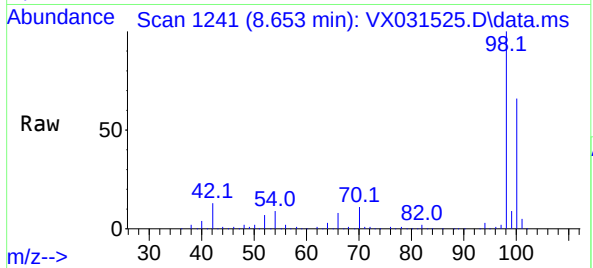




#50
Toluene-d8
Concen: 50.425 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

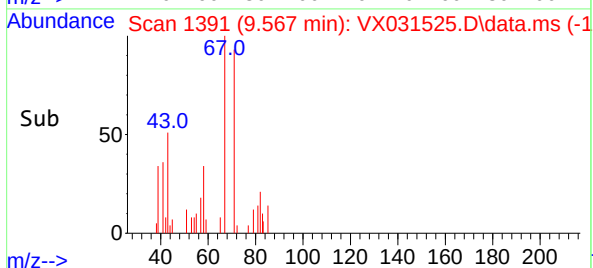
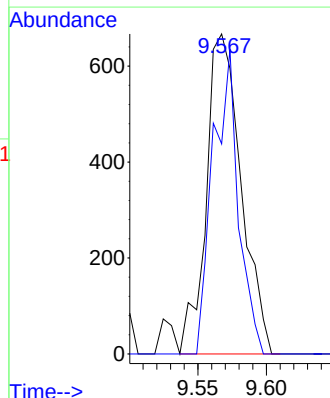
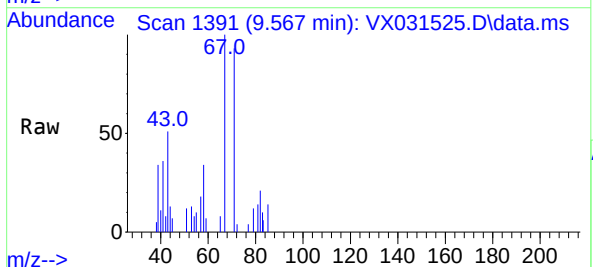
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

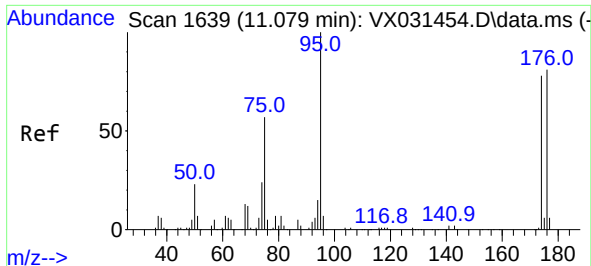
Tgt Ion: 98 Resp: 309559
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#59
2-Hexanone
Concen: 0.546 ug/l
RT: 9.567 min Scan# 1391
Delta R.T. 0.134 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
58 69.0 26.7 80.0

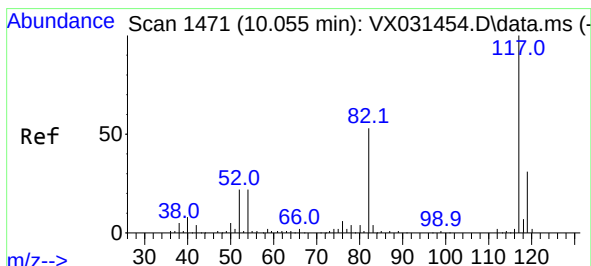
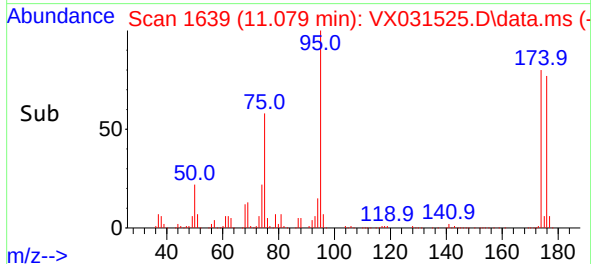
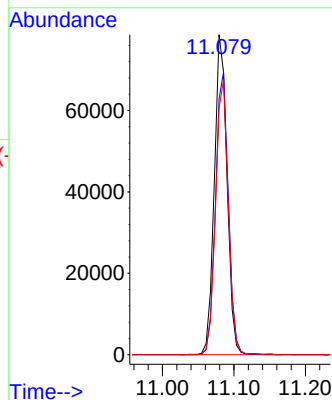
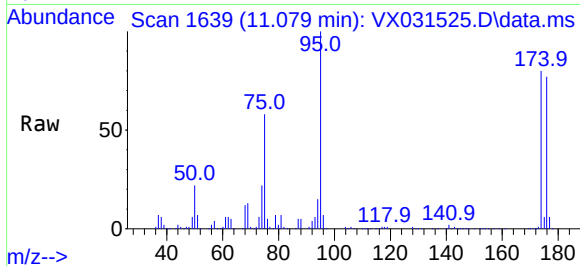




#62
4-Bromofluorobenzene
Concen: 46.548 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

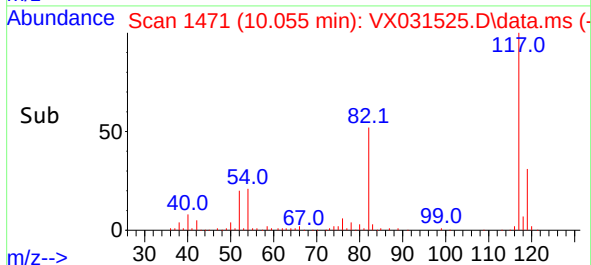
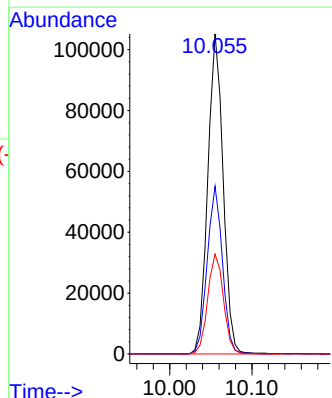
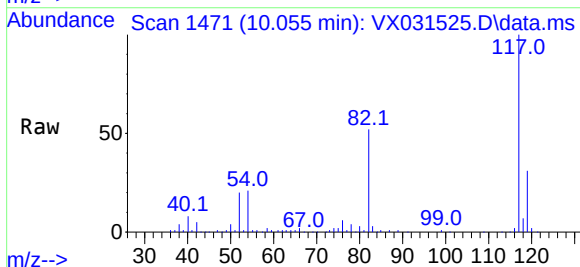
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

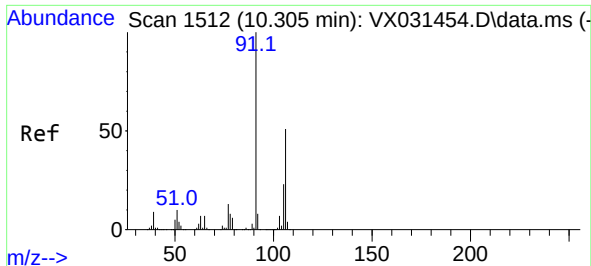
Tgt Ion: 95 Resp: 96793
Ion Ratio Lower Upper
95 100
174 89.3 0.0 153.2
176 86.0 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion: 117 Resp: 136455
Ion Ratio Lower Upper
117 100
82 52.4 46.8 70.2
119 31.2 26.4 39.6

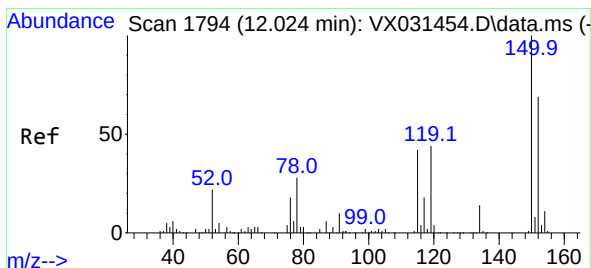
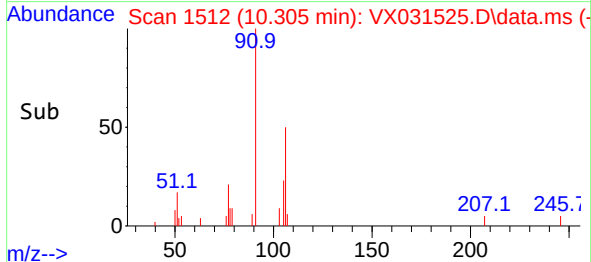
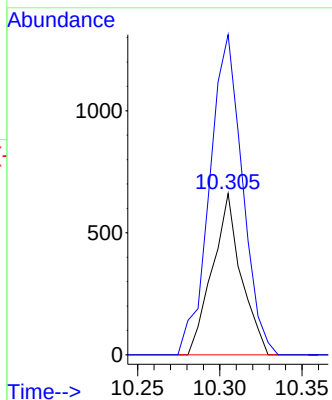
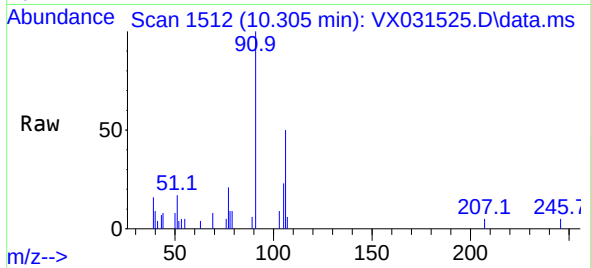




#68
m/p-Xylenes
Concen: 0.269 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

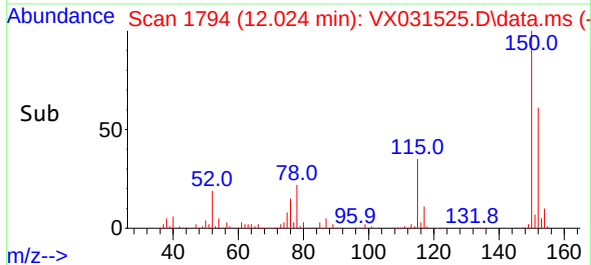
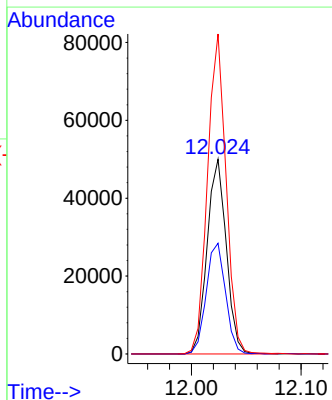
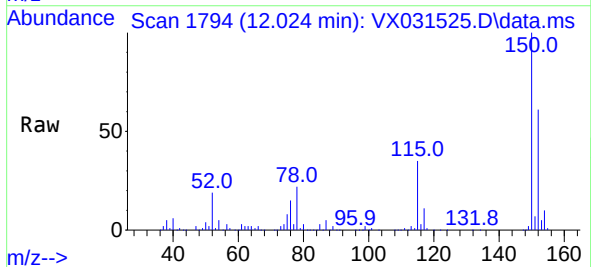
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

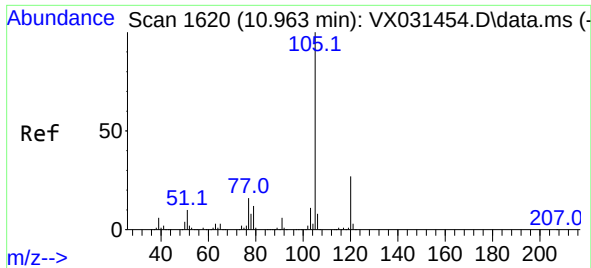
Tgt Ion:106 Resp: 804
Ion Ratio Lower Upper
106 100
91 226.6 161.0 241.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion:152 Resp: 60677
Ion Ratio Lower Upper
152 100
115 57.5 43.4 130.1
150 159.5 0.0 346.8

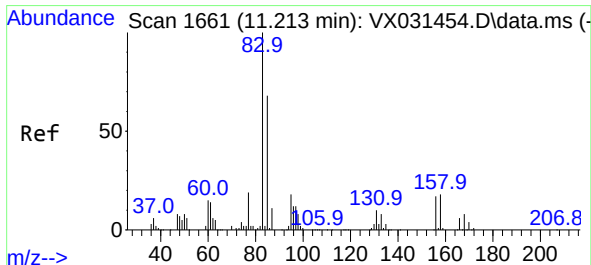
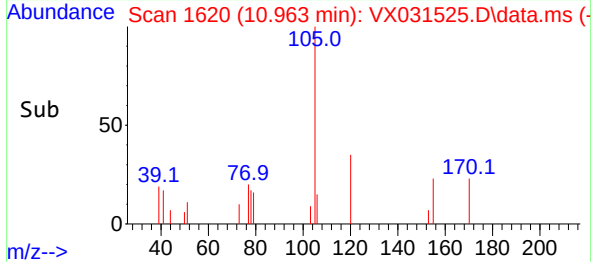
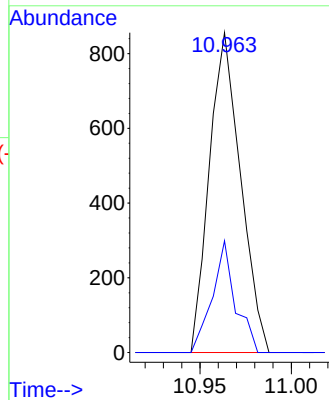
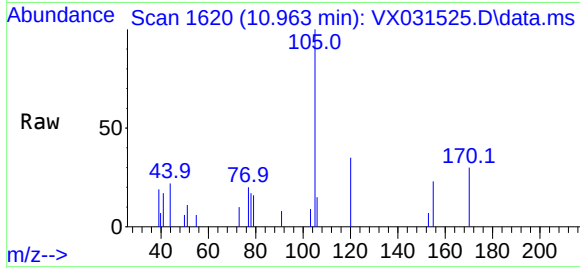




#73
Isopropylbenzene
Concen: 0.224 ug/l
RT: 10.963 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

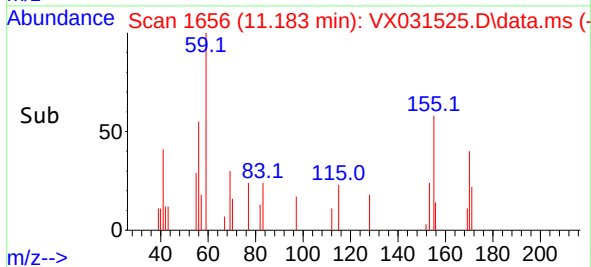
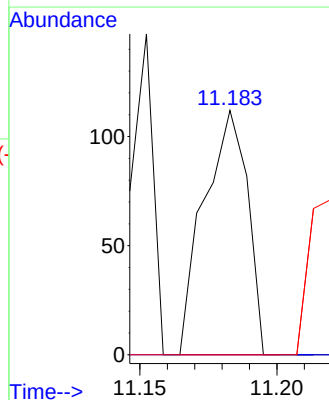
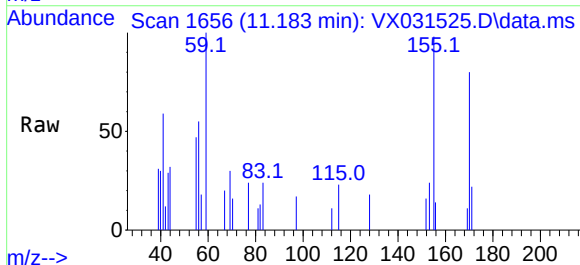
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

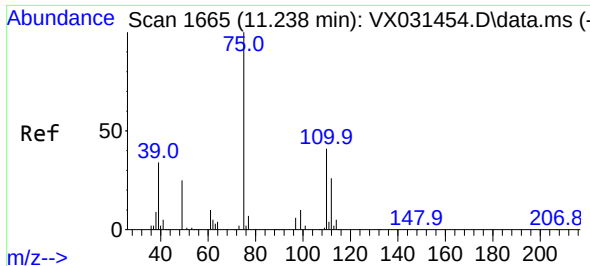
Tgt Ion:105 Resp: 1017
Ion Ratio Lower Upper
105 100
120 26.0 13.7 41.0



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.183 min Scan# 1656
Delta R.T. -0.030 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion: 83 Resp: 124
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 32.6 97.8#

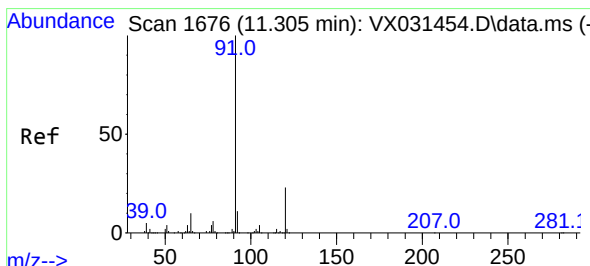
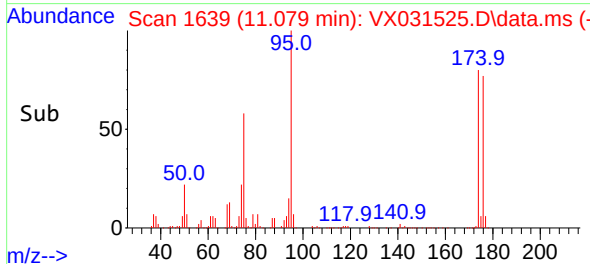
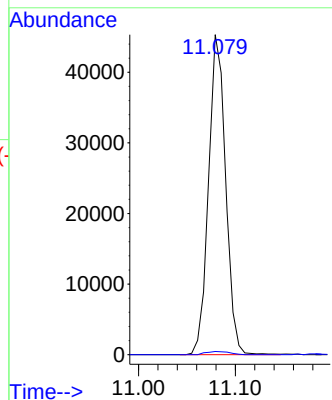
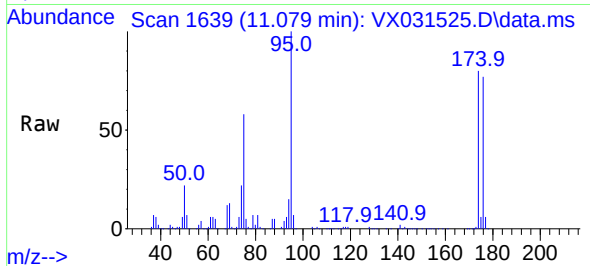




#76
1,2,3-Trichloropropane
Concen: 41.216 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

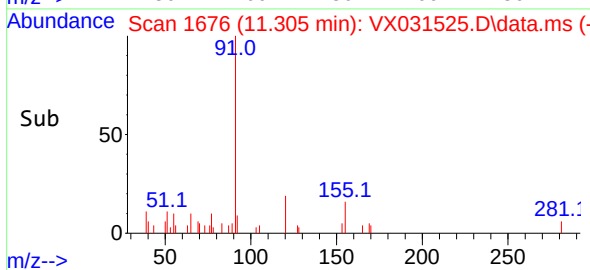
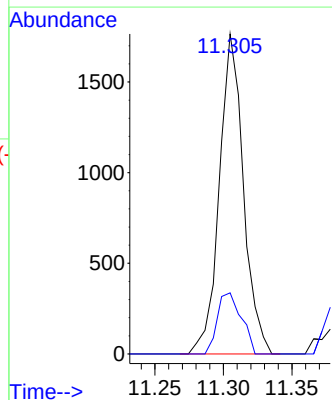
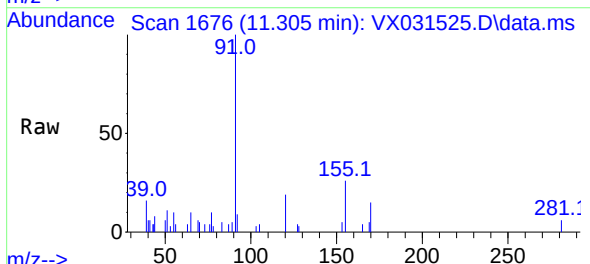
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

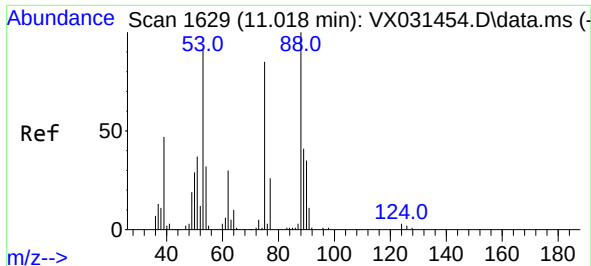
Tgt Ion: 75 Resp: 55817
Ion Ratio Lower Upper
75 100
77 1.4 20.3 60.9#



#78
n-propylbenzene
Concen: 0.414 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion: 91 Resp: 2156
Ion Ratio Lower Upper
91 100
120 19.0 11.8 35.4

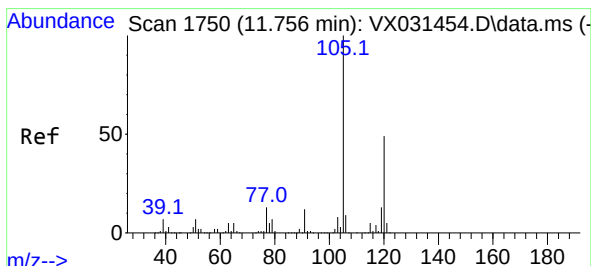
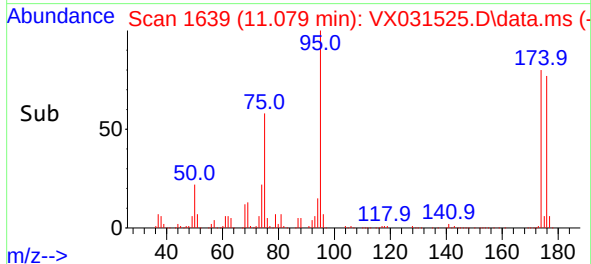
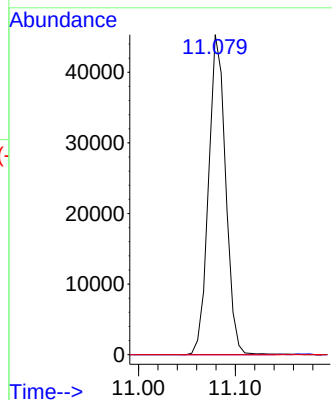
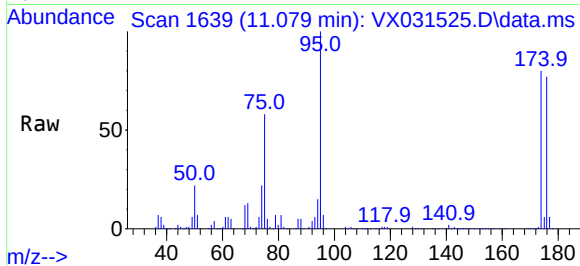




#81
trans-1,4-Dichloro-2-butene
Concen: 132.711 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

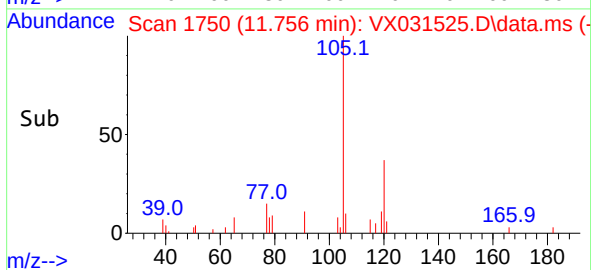
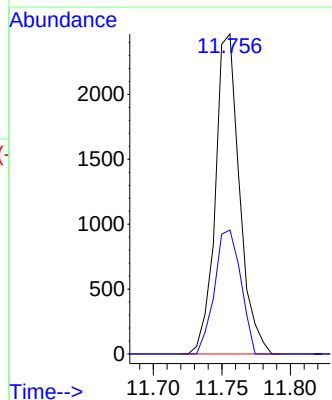
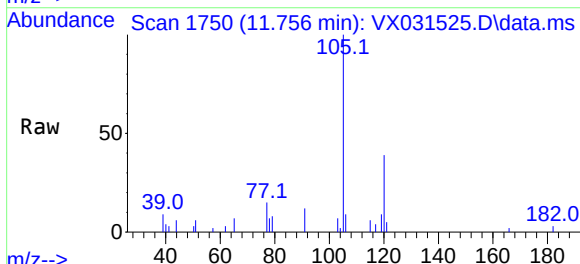
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

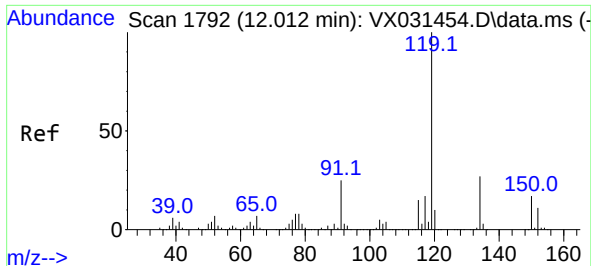
Tgt Ion: 75 Resp: 55817
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.798 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion: 105 Resp: 3023
Ion Ratio Lower Upper
105 100
120 41.9 22.6 67.8

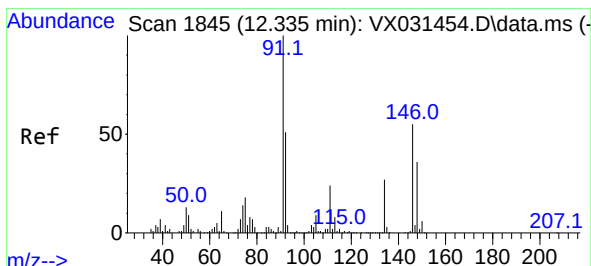
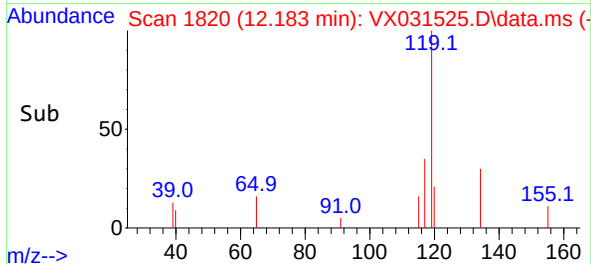
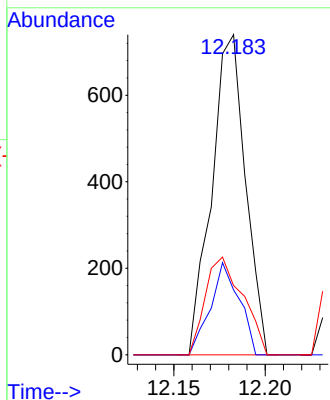
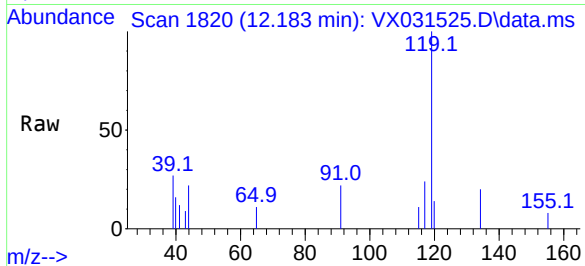




#86
p-Isopropyltoluene
Concen: 0.239 ug/l
RT: 12.183 min Scan# 1191
Delta R.T. 0.171 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

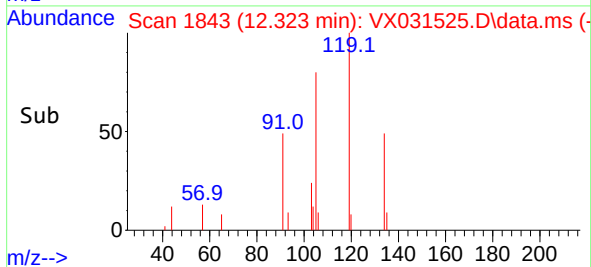
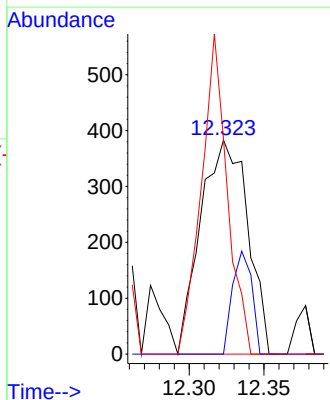
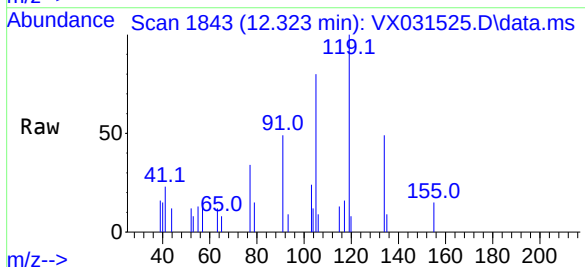
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

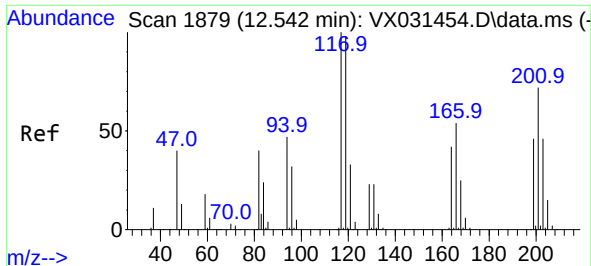
Tgt Ion:	119	Resp:	951
Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.4	40.2
91	33.9	12.4	37.2



#89
n-Butylbenzene
Concen: 0.247 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion:	91	Resp:	839
Ion	Ratio	Lower	Upper
91	100		
92	19.7	27.0	81.0#
134	82.7	13.3	39.9#

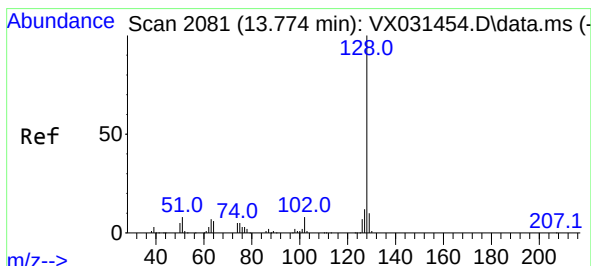
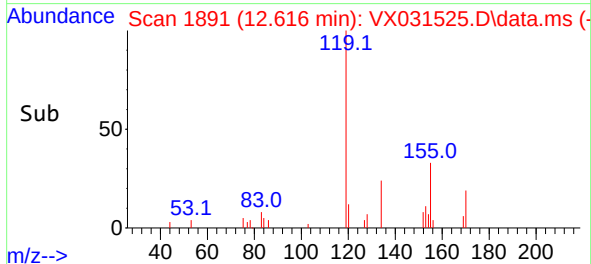
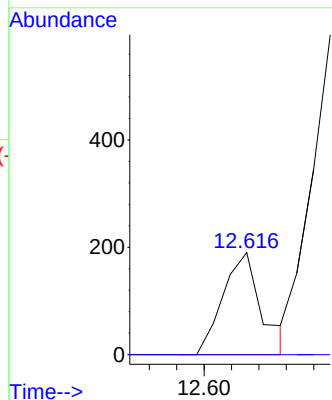
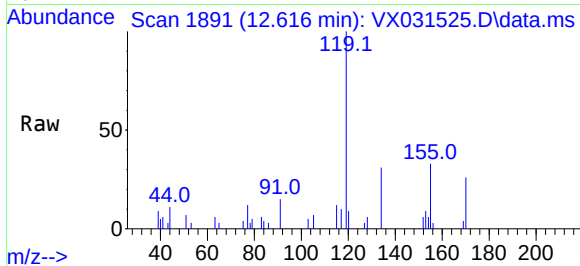




#90
Hexachloroethane
Concen: 0.270 ug/l
RT: 12.616 min Scan# 1879
Delta R.T. 0.074 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Instrument :
MSVOA_X
ClientSampleId :
H-3RA

Tgt Ion:117 Resp: 185
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



#95
Naphthalene
Concen: 1.693 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031525.D
Acq: 21 Sep 2022 15:29

Tgt Ion:128 Resp: 7364
Ion Ratio Lower Upper
128 100
127 11.7 10.4 15.6
129 15.3 8.8 13.2#

