

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028587.D
 Acq On : 10 May 2022 12:06
 Operator : JC/MD
 Sample : PB144702TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702TB

Quant Time: May 11 06:57:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

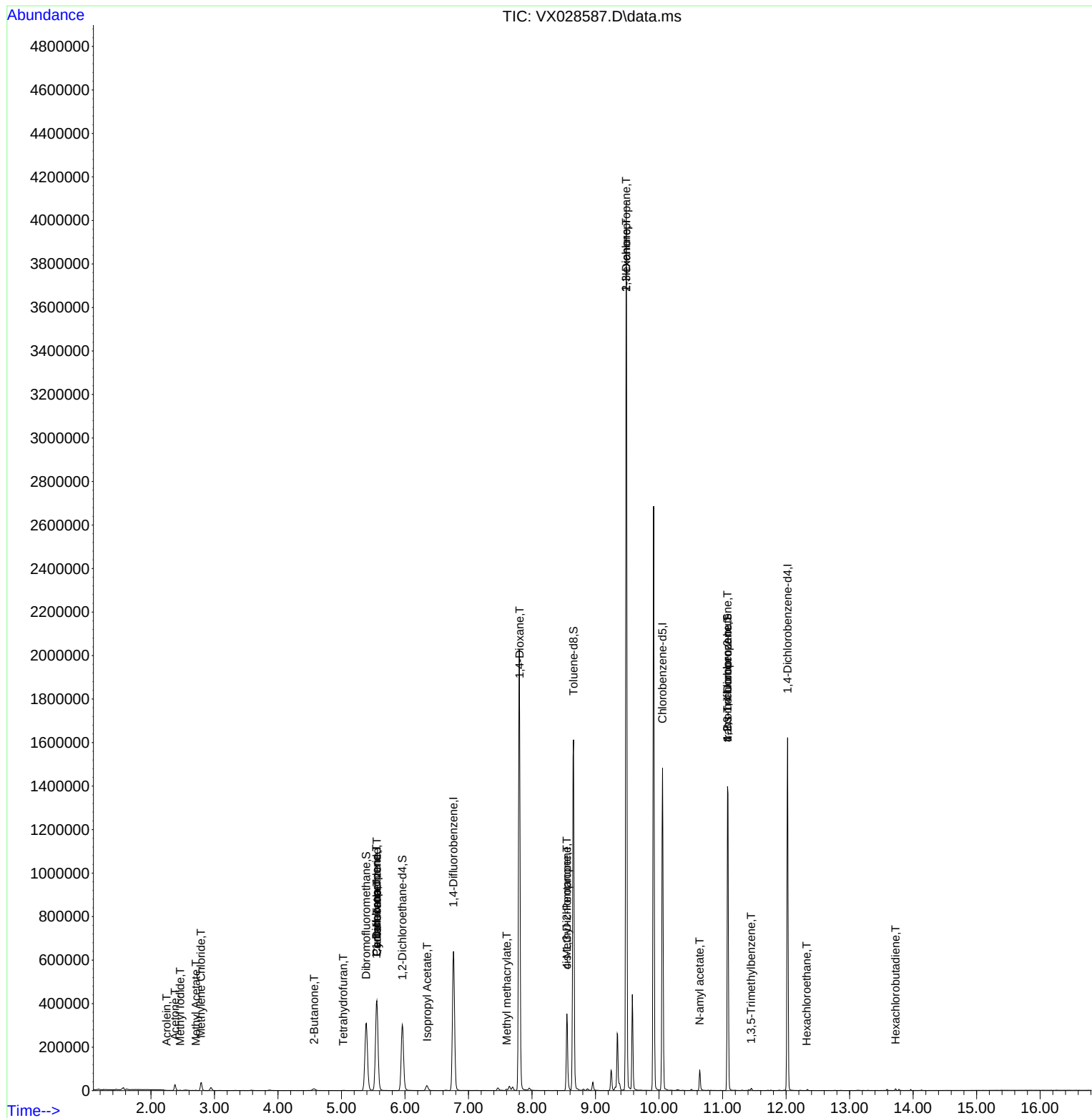
Internal Standards						
1) Pentafluorobenzene	5.556	168	414014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	702552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	690704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	341044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	287967	53.344	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 106.680%		
35) Dibromofluoromethane	5.385	113	269807	54.762	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 109.520%		
50) Toluene-d8	8.653	98	986807	52.147	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 104.300%		
62) 4-Bromofluorobenzene	11.079	95	367052	50.729	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 101.460%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	401	Below Cal		95
5) Bromomethane	1.617	94	1623	Below Cal		99
6) Chloroethane	1.660	64	305	Below Cal	#	43
8) Diethyl Ether	2.136	74	66	Below Cal	#	1
10) Methyl Iodide	2.459	142	1570	5.541	ug/l	95
11) Tert butyl alcohol	2.940	59	6942	Below Cal	#	73
13) Acrolein	2.245	56	198	0.299	ug/l	# 15
16) Acetone	2.380	43	28876	16.208	ug/l	98
18) Methyl Acetate	2.709	43	2009	0.419	ug/l	93
20) Methylene Chloride	2.788	84	17457	4.358	ug/l	93
25) 2-Butanone	4.568	43	5833	1.824	ug/l	# 86
29) Tetrahydrofuran	5.025	42	853	0.409	ug/l	# 70
31) Cyclohexane	5.556	56	7927	1.205	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	28055	4.365	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	40167	5.536	ug/l	# 15
43) Isopropyl Acetate	6.348	43	30758	2.898	ug/l	98
48) Methyl methacrylate	7.604	41	7815	1.604	ug/l	# 7
49) 1,4-Dioxane	7.805	88	514	3.943	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	114096	16.753	ug/l	# 45
54) cis-1,3-Dichloropropene	8.549	75	59771	7.544	ug/l	# 69
57) 1,3-Dichloropropane	9.482	76	38287	4.467	ug/l	# 43
59) 2-Hexanone	9.482	43	435414	82.534	ug/l	# 45
74) N-amyl acetate	10.640	43	19496	2.406	ug/l	# 46
76) 1,2,3-Trichloropropane	11.079	75	184638	27.509	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	4068	0.204	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	184638	81.749	ug/l	# 15
90) Hexachloroethane	12.323	117	23	1.820	ug/l	# 10
94) Hexachlorobutadiene	13.725	225	1091	0.361	ug/l	92

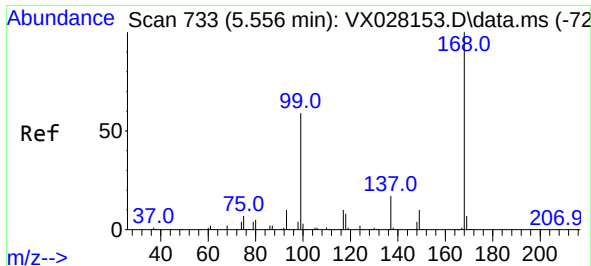
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
Data File : VX028587.D
Acq On : 10 May 2022 12:06
Operator : JC/MD
Sample : PB144702TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

Quant Time: May 11 06:57:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

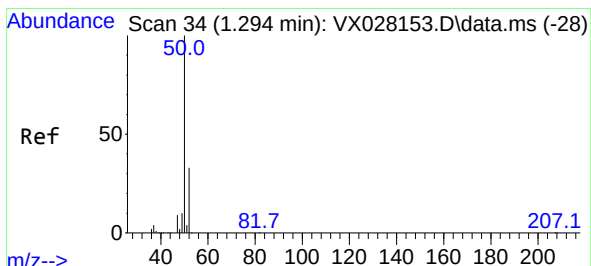
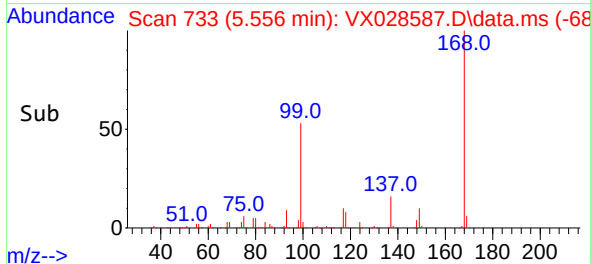
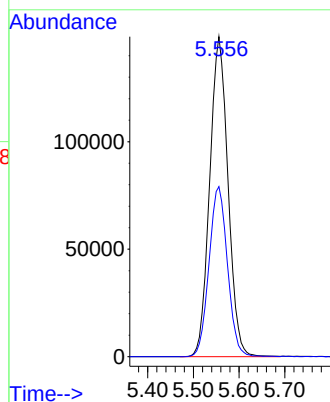
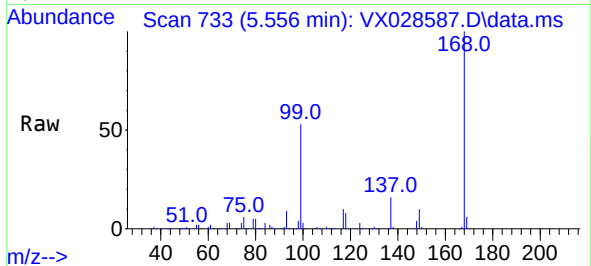




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

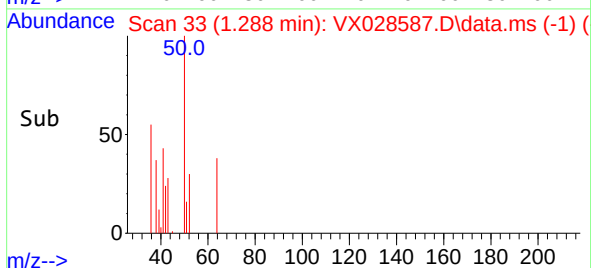
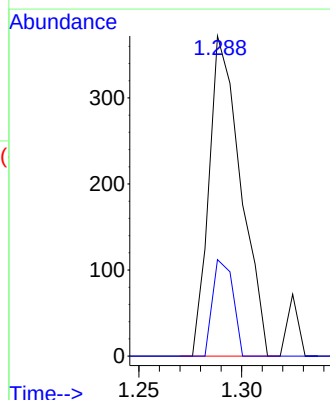
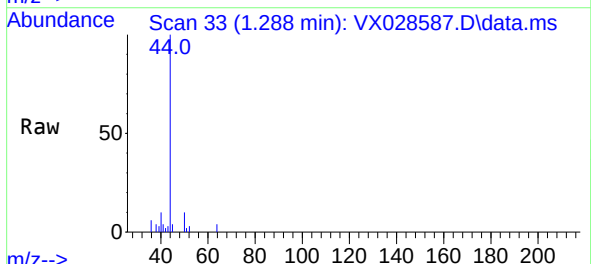
Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

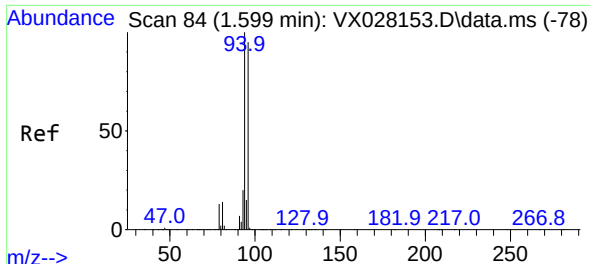
Tgt Ion:168 Resp: 414014
Ion Ratio Lower Upper
168 100
99 53.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion: 50 Resp: 401
Ion Ratio Lower Upper
50 100
52 30.1 26.4 39.6

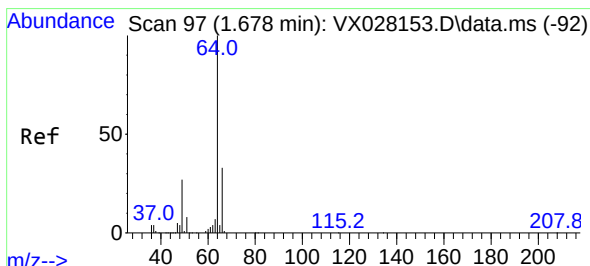
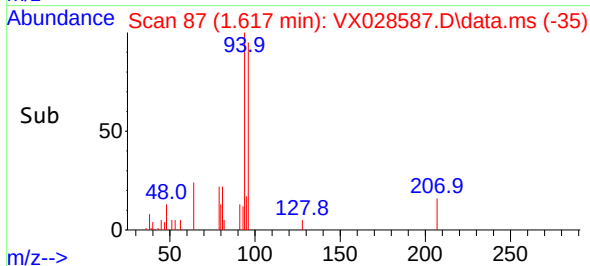
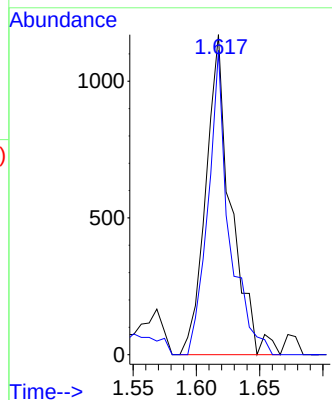
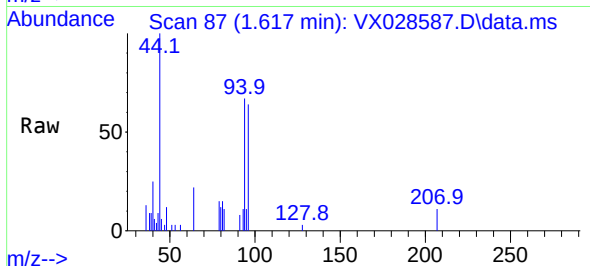




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

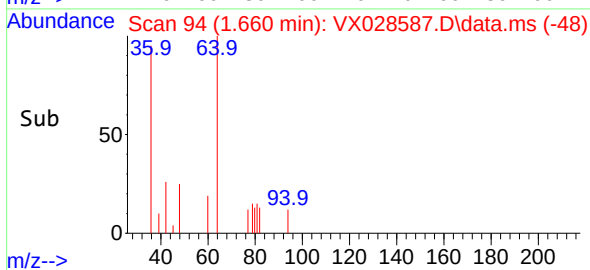
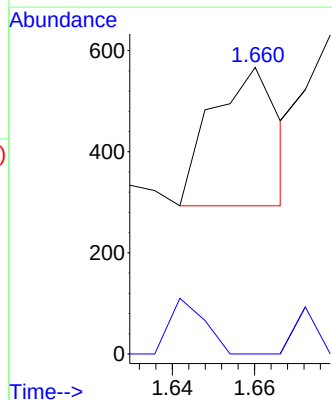
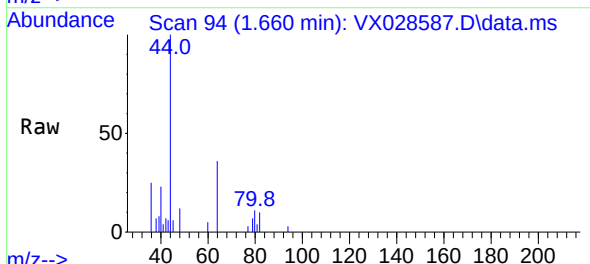
Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

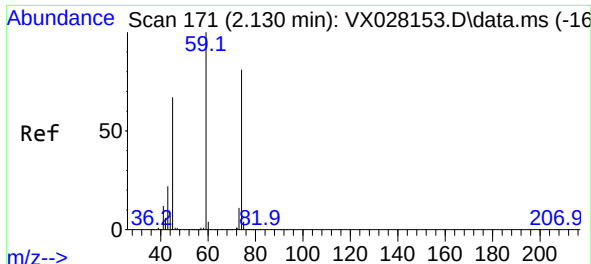
Tgt Ion: 94 Resp: 1623
Ion Ratio Lower Upper
94 100
96 95.0 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion: 64 Resp: 305
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

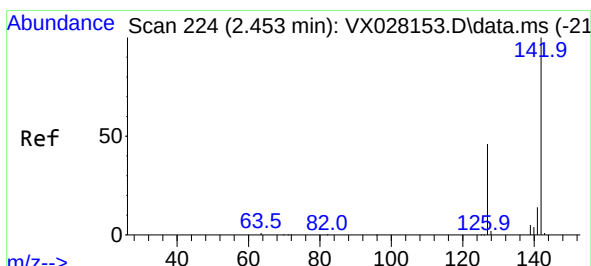
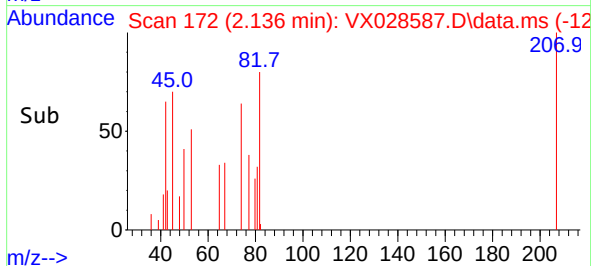
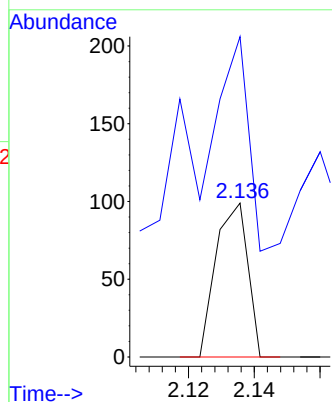
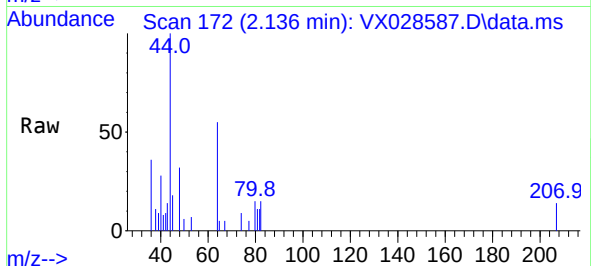




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

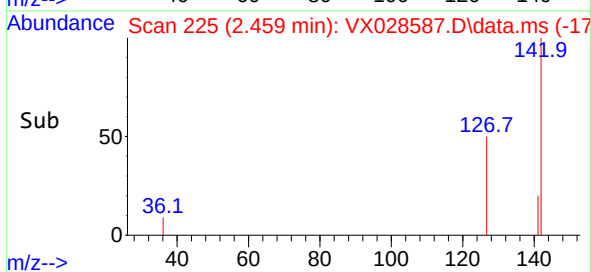
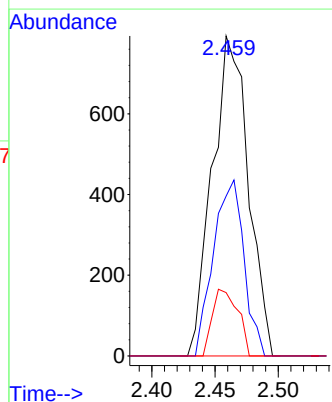
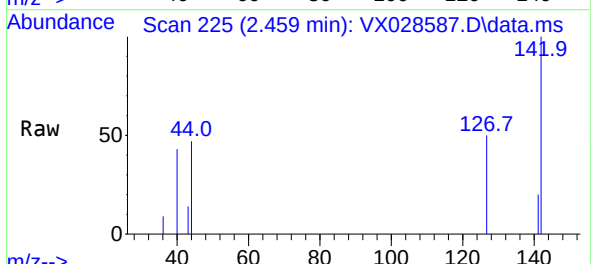
Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

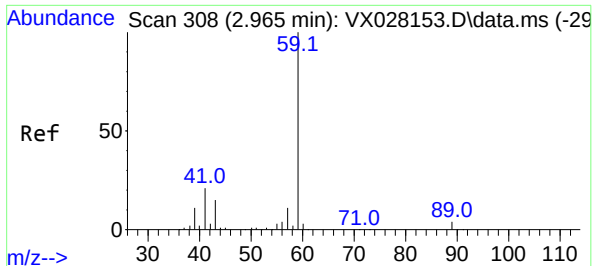
Tgt Ion: 74 Resp: 66
Ion Ratio Lower Upper
74 100
45 243.9 42.0 126.0#



#10
Methyl Iodide
Concen: 5.541 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion: 142 Resp: 1570
Ion Ratio Lower Upper
142 100
127 46.6 33.9 50.9
141 14.7 11.4 17.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 30

Delta R.T. -0.025 min

Lab File: VX028587.D

Acq: 10 May 2022 12:06

Instrument :

MSVOA_X

ClientSampleId :

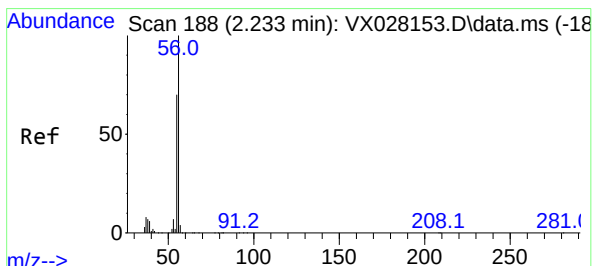
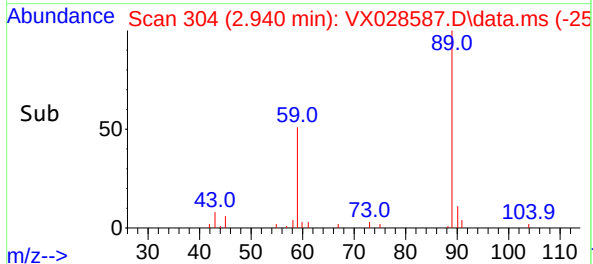
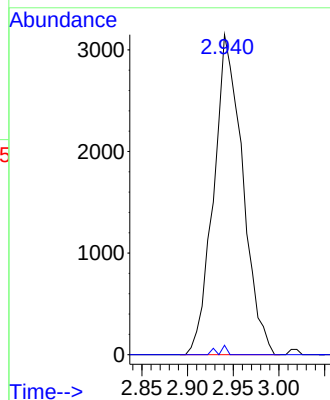
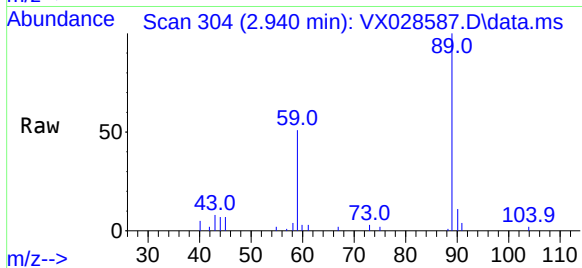
PB144702TB

Tgt Ion: 59 Resp: 6942

Ion Ratio Lower Upper

59 100

57 0.3 8.3 12.5#



#13

Acrolein

Concen: 0.299 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX028587.D

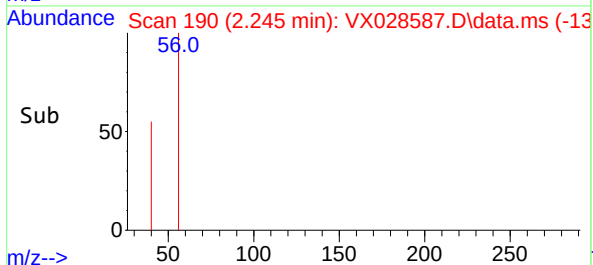
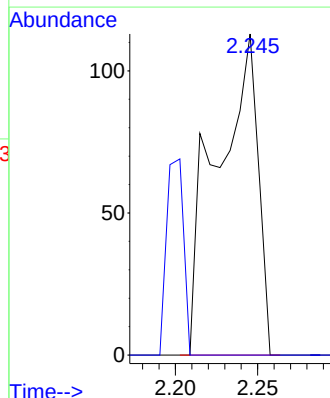
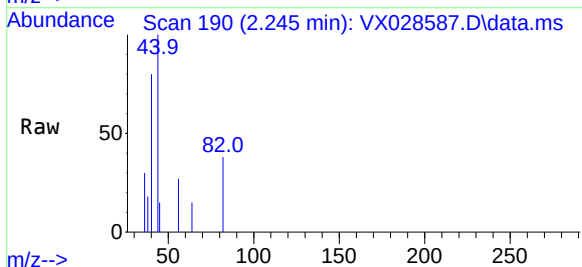
Acq: 10 May 2022 12:06

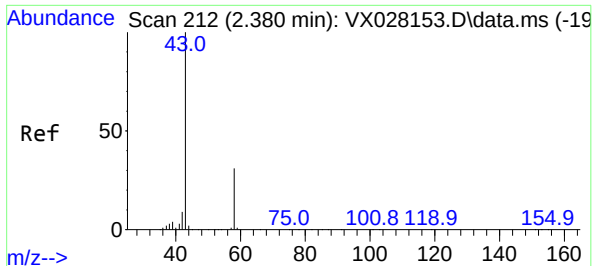
Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#

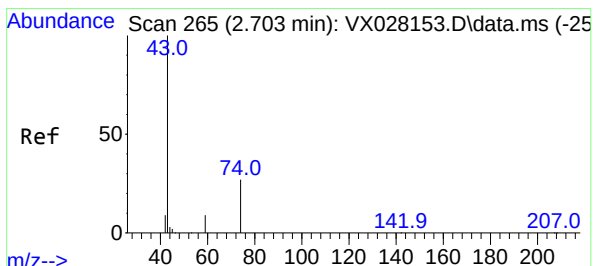
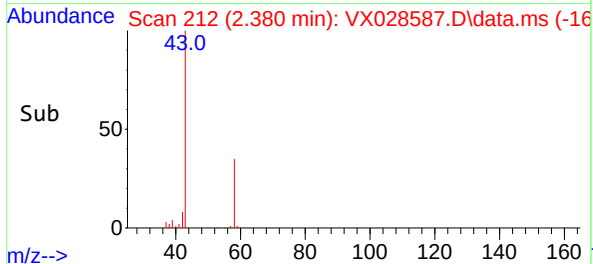
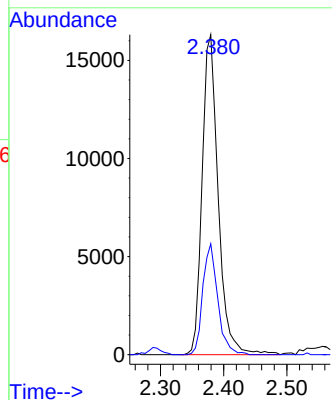
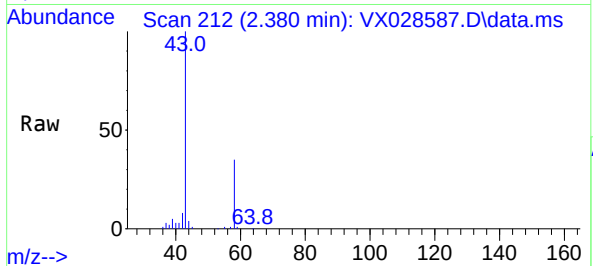




#16
Acetone
Concen: 16.208 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

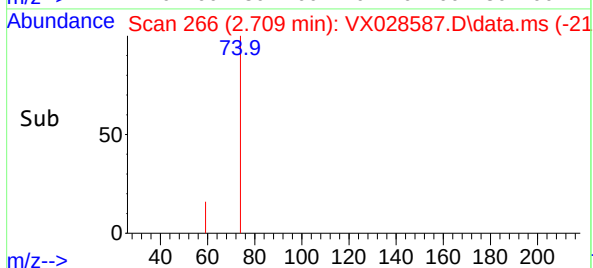
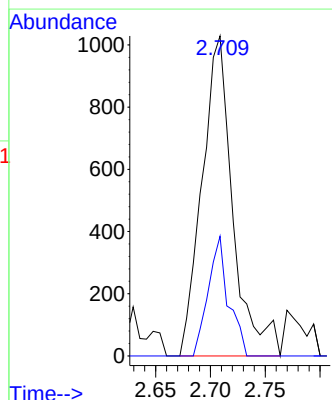
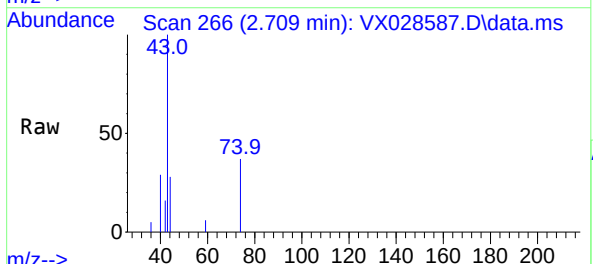
Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

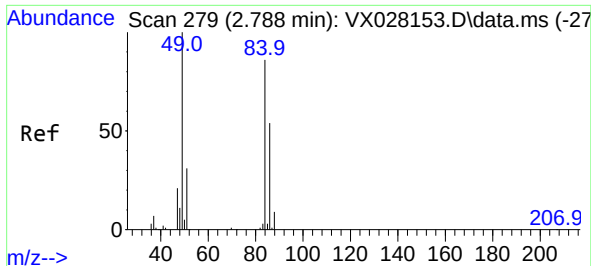
Tgt Ion: 43 Resp: 28876
Ion Ratio Lower Upper
43 100
58 34.6 28.8 43.2



#18
Methyl Acetate
Concen: 0.419 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

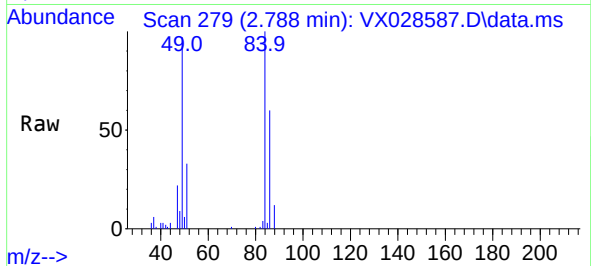
Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
74 24.7 22.8 34.2





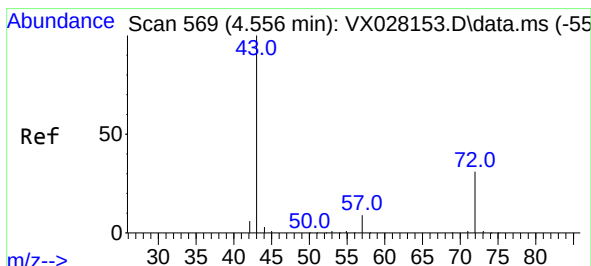
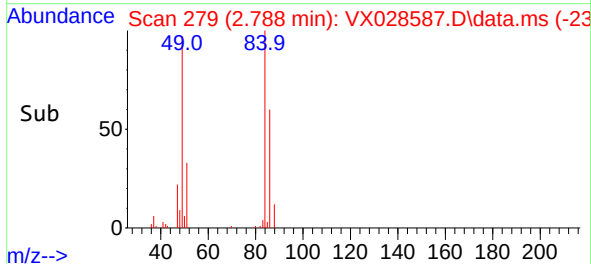
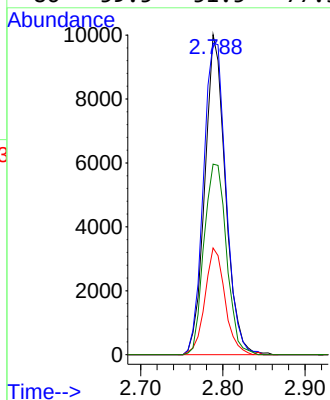
#20
Methylene Chloride
Concen: 4.358 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Instrument :
MSVOA_X
ClientSampleId :
PB144702TB



Tgt Ion: 84 Resp: 17457

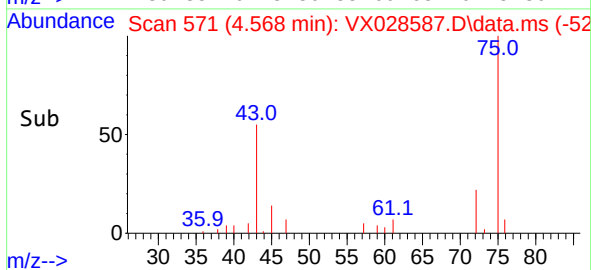
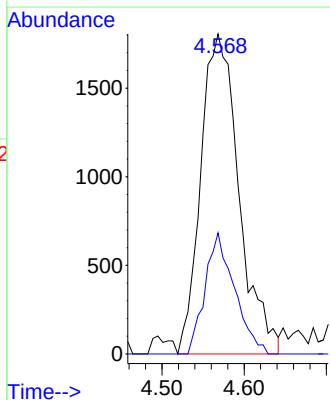
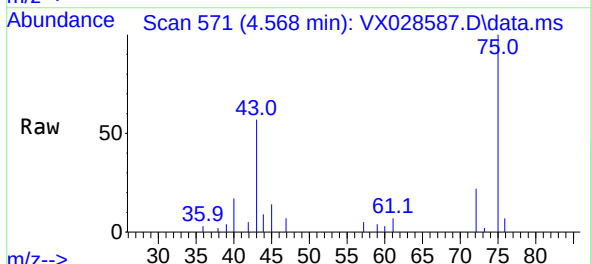
Ion	Ratio	Lower	Upper
84	100		
49	97.4	85.5	128.3
51	33.4	26.6	39.8
86	59.5	51.5	77.3

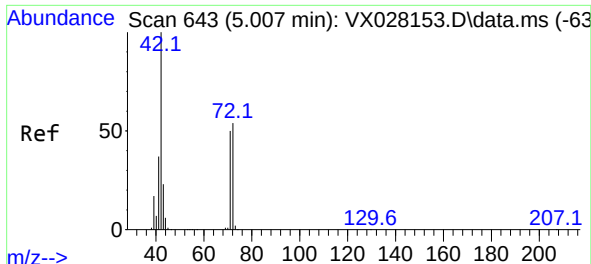


#25
2-Butanone
Concen: 1.824 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion: 43 Resp: 5833

Ion	Ratio	Lower	Upper
43	100		
72	37.9	24.4	36.6#





#29

Tetrahydrofuran

Concen: 0.409 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX028587.D

Acq: 10 May 2022 12:06

Instrument :

MSVOA_X

ClientSampleId :

PB144702TB

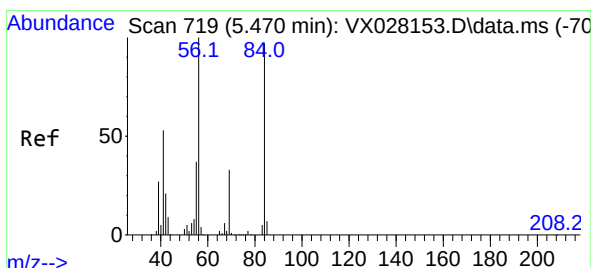
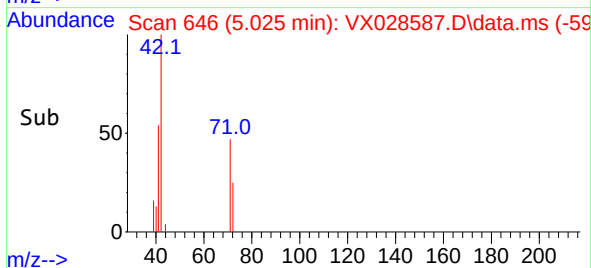
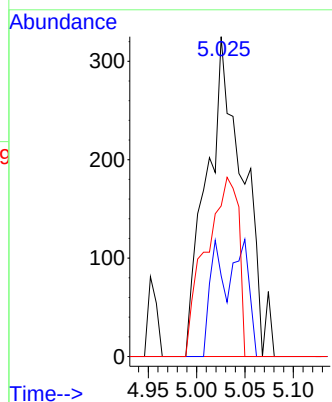
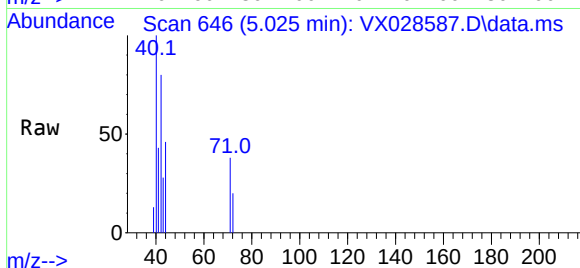
Tgt Ion: 42 Resp: 853

Ion Ratio Lower Upper

42 100

72 14.1 44.1 66.1#

71 50.2 40.5 60.7



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028587.D

Acq: 10 May 2022 12:06

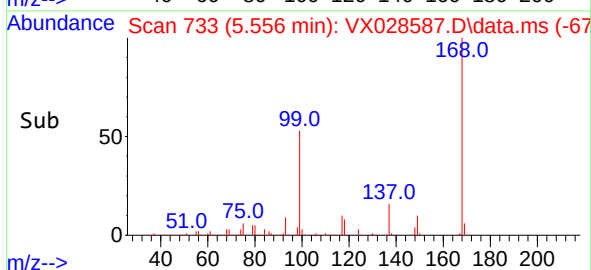
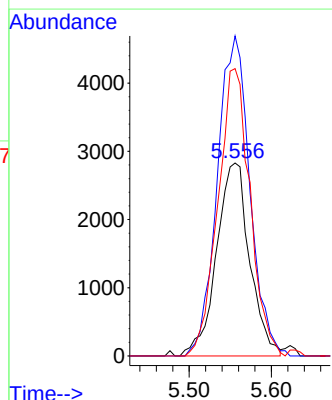
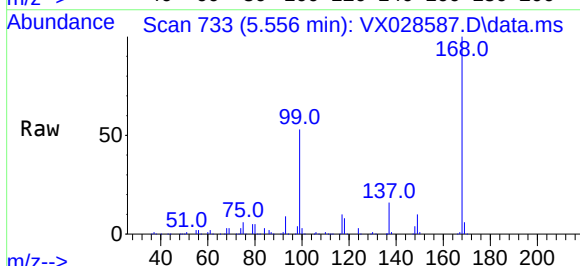
Tgt Ion: 56 Resp: 7927

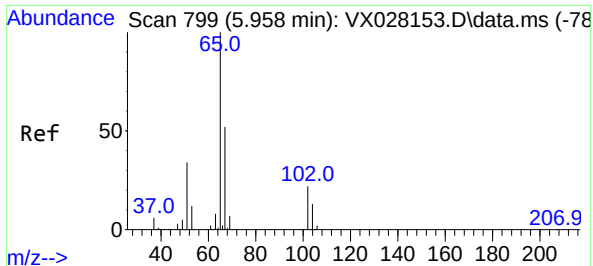
Ion Ratio Lower Upper

56 100

69 165.9 26.7 40.1#

84 148.9 77.2 115.8#

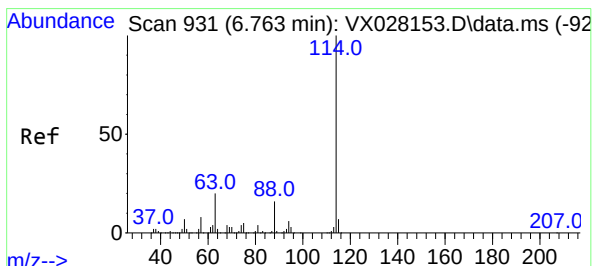
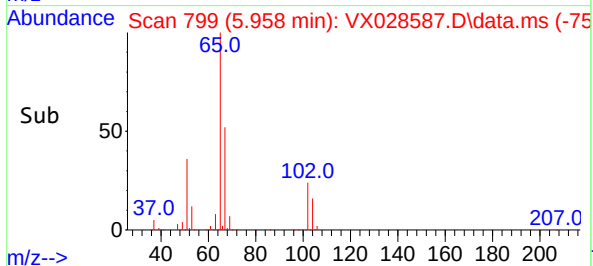
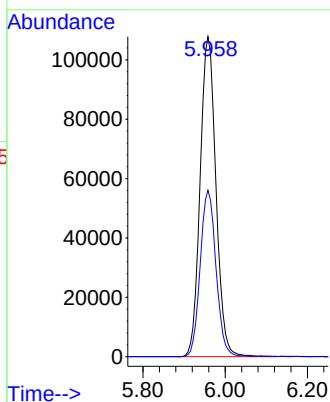
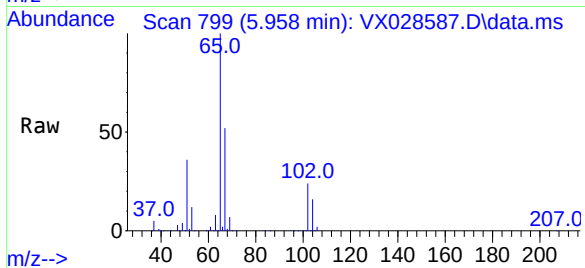




#33
1,2-Dichloroethane-d4
Concen: 53.344 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

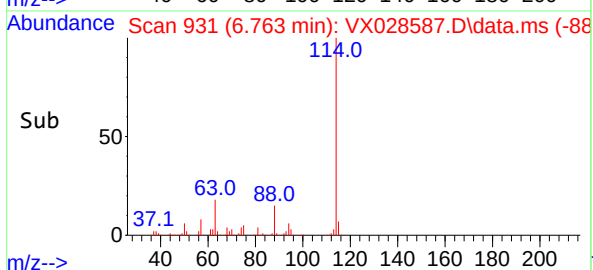
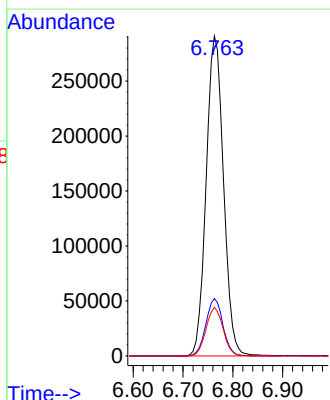
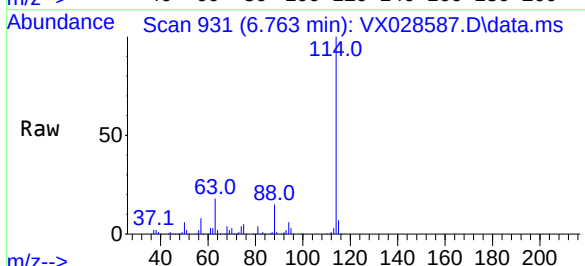
Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

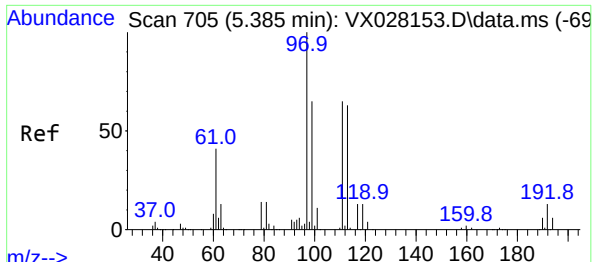
Tgt Ion: 65 Resp: 287967
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion: 114 Resp: 702552
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.8
88 15.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.762 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028587.D

Acq: 10 May 2022 12:06

Instrument :

MSVOA_X

ClientSampleId :

PB144702TB

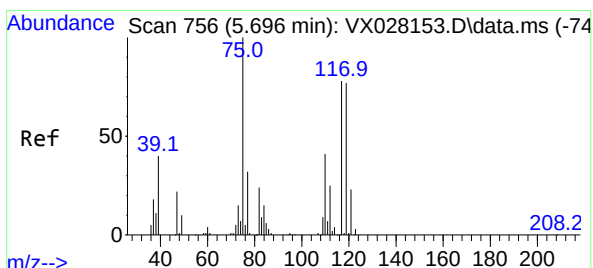
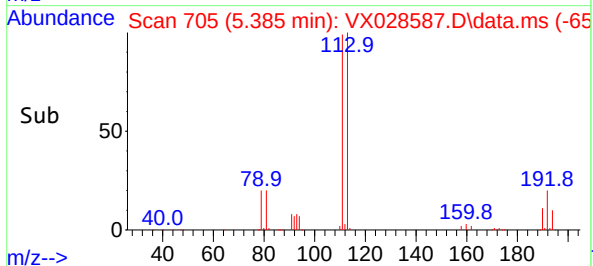
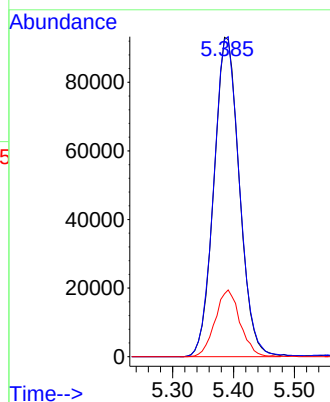
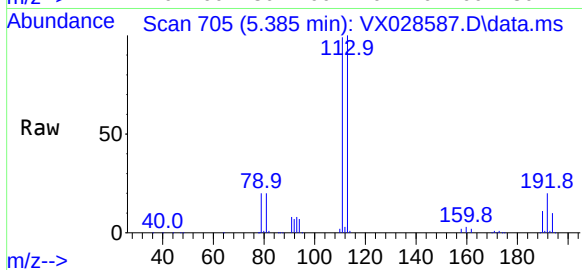
Tgt Ion:113 Resp: 269807

Ion Ratio Lower Upper

113 100

111 101.1 82.8 124.2

192 20.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.365 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028587.D

Acq: 10 May 2022 12:06

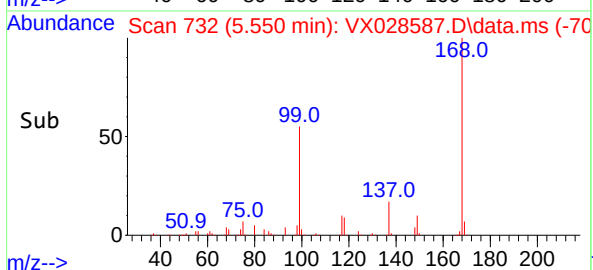
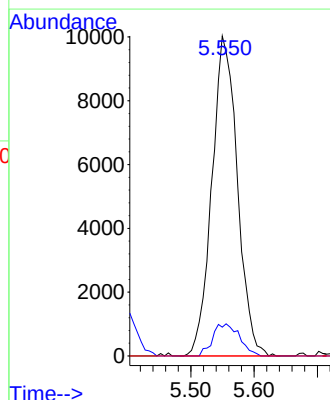
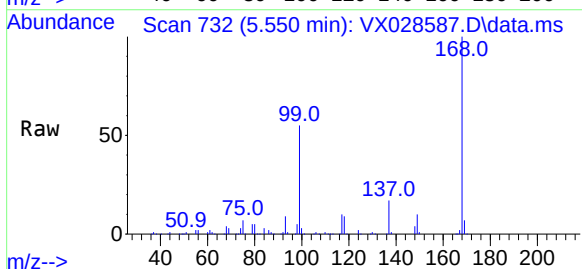
Tgt Ion: 75 Resp: 28055

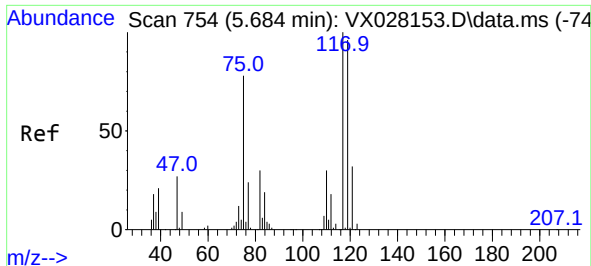
Ion Ratio Lower Upper

75 100

110 10.5 18.3 54.8#

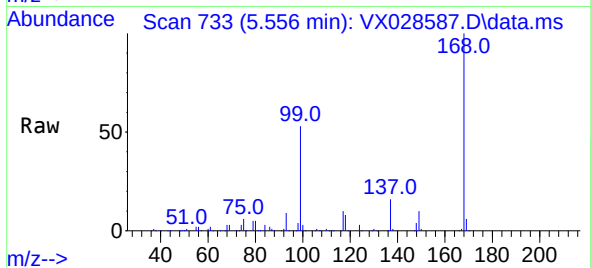
77 0.0 24.8 37.2#



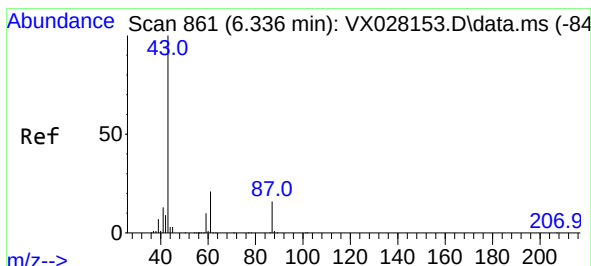
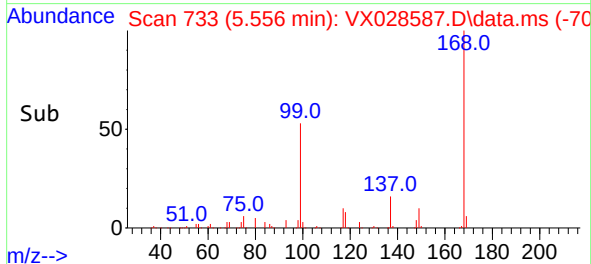
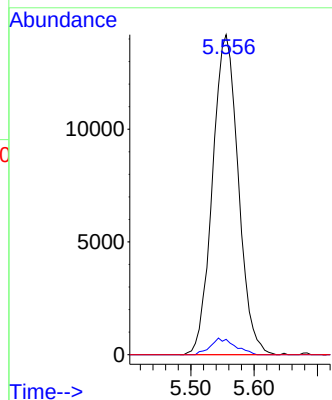


#38
Carbon Tetrachloride
Concen: 5.536 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

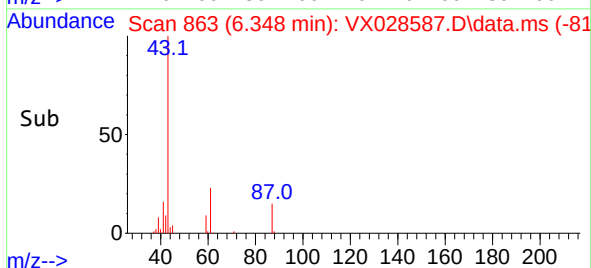
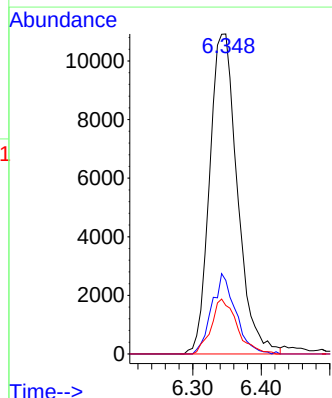
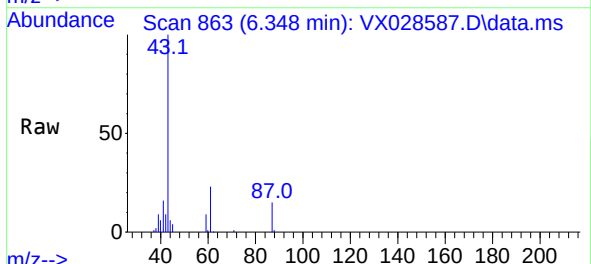


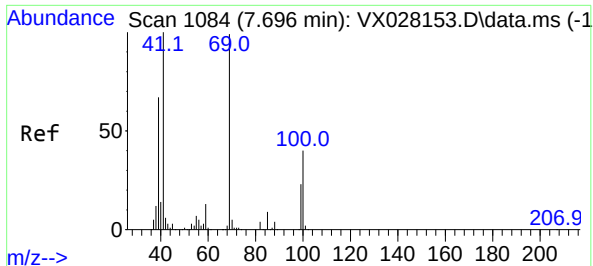
Tgt Ion:117 Resp: 40167
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.898 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion: 43 Resp: 30758
Ion Ratio Lower Upper
43 100
61 21.6 18.5 27.7
87 15.9 13.0 19.6





#48

Methyl methacrylate

Concen: 1.604 ug/l

RT: 7.604 min Scan# 1102

Delta R.T. -0.092 min

Lab File: VX028587.D

Acq: 10 May 2022 12:06

Instrument :

MSVOA_X

ClientSampleId :

PB144702TB

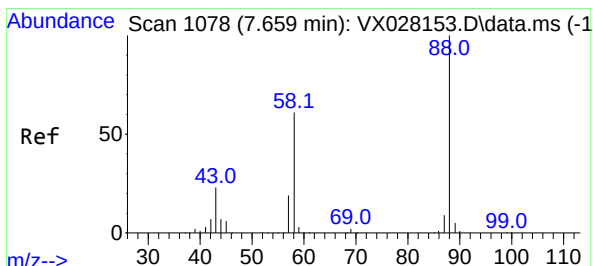
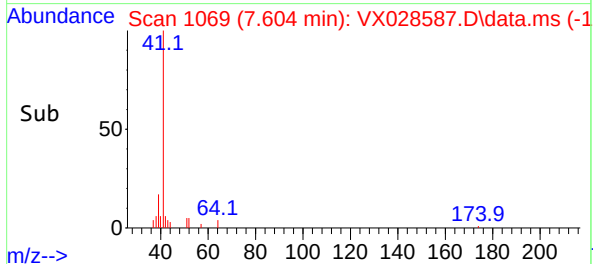
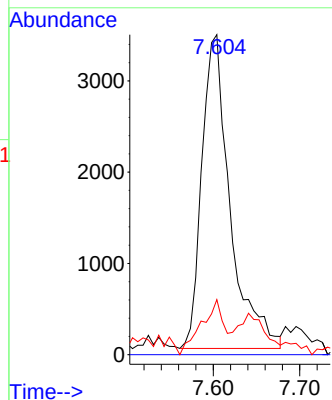
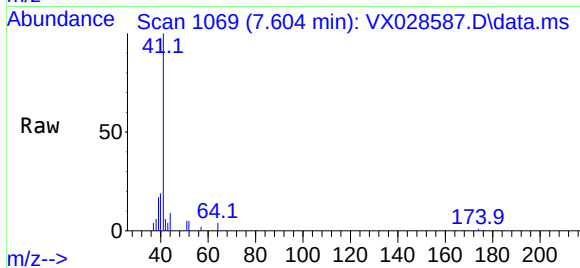
Tgt Ion: 41 Resp: 7815

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#



#49

1,4-Dioxane

Concen: 3.943 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX028587.D

Acq: 10 May 2022 12:06

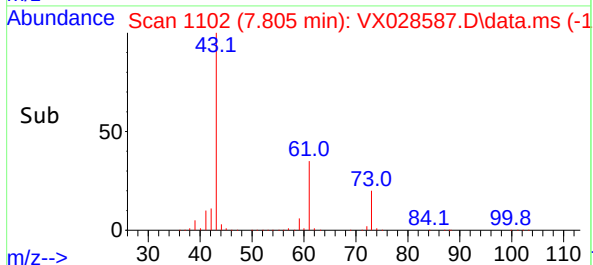
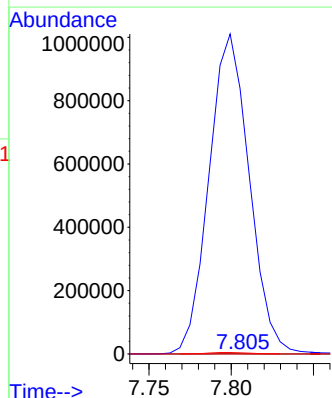
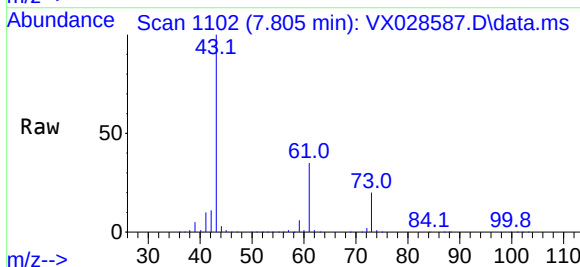
Tgt Ion: 88 Resp: 514

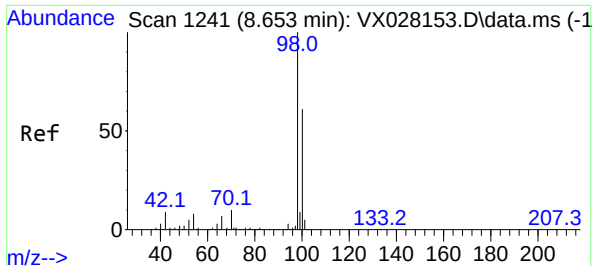
Ion Ratio Lower Upper

88 100

43 337490.7 21.9 32.9#

58 1560.5 53.7 80.5#

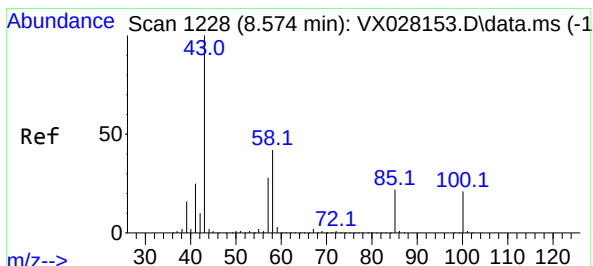
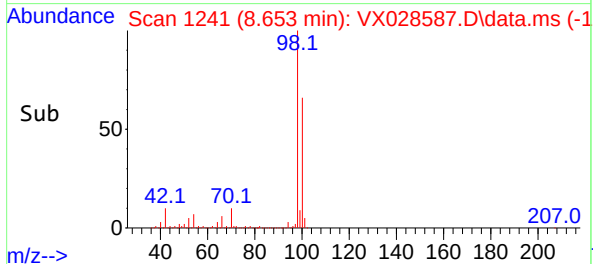
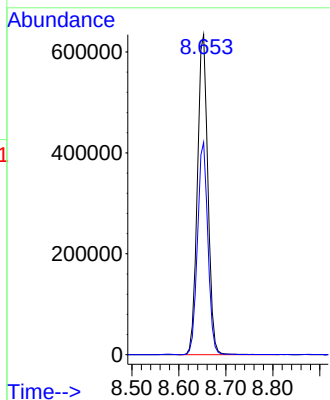
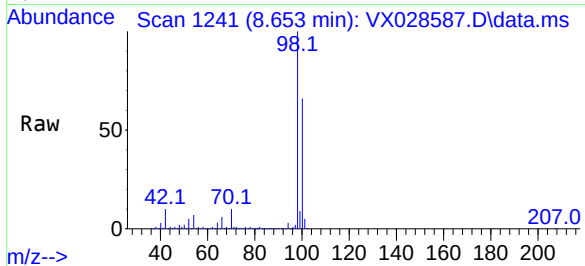




#50
Toluene-d8
Concen: 52.147 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

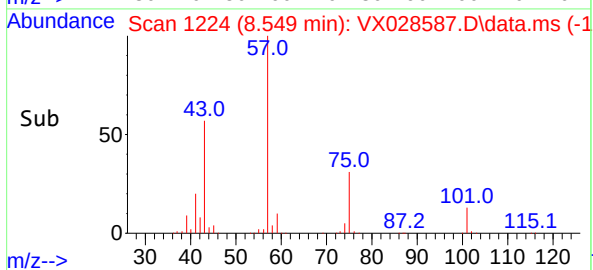
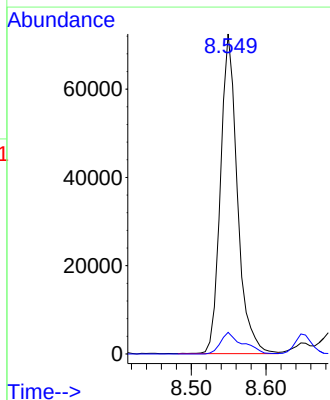
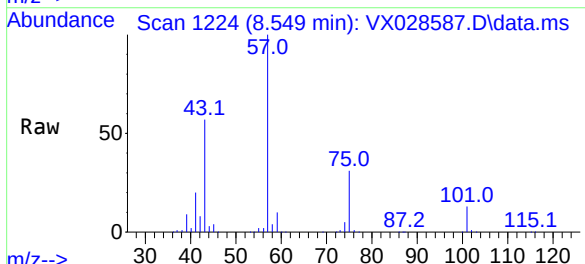
Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

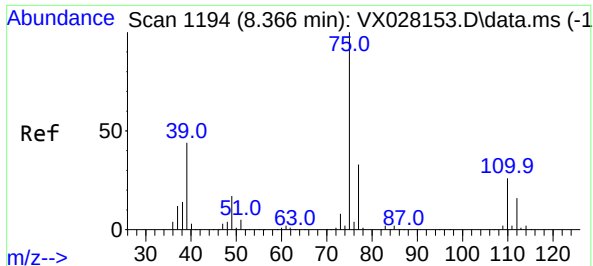
Tgt Ion: 98 Resp: 986807
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.753 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion: 43 Resp: 114096
Ion Ratio Lower Upper
43 100
58 8.8 36.1 54.1#

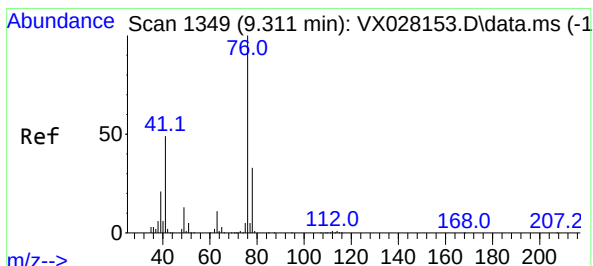
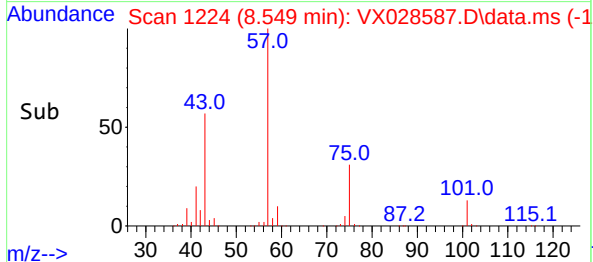
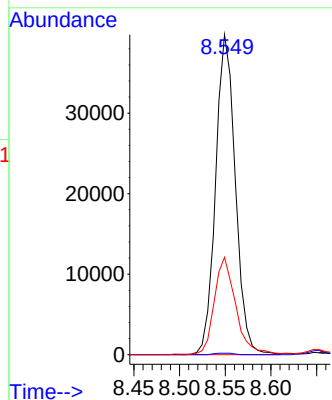
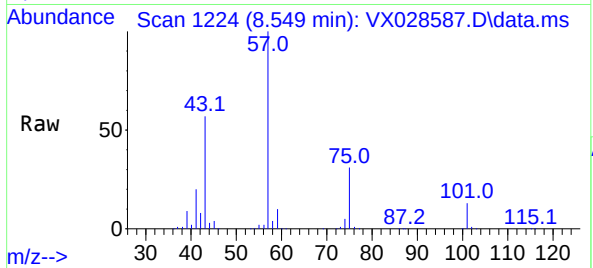




#54
 cis-1,3-Dichloropropene
 Concen: 7.544 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028587.D
 Acq: 10 May 2022 12:06

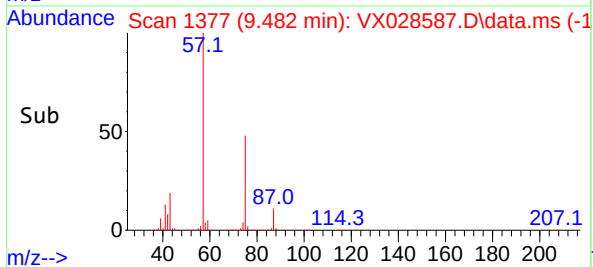
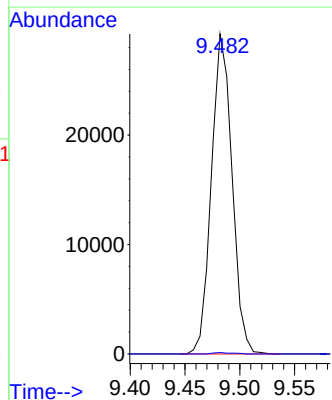
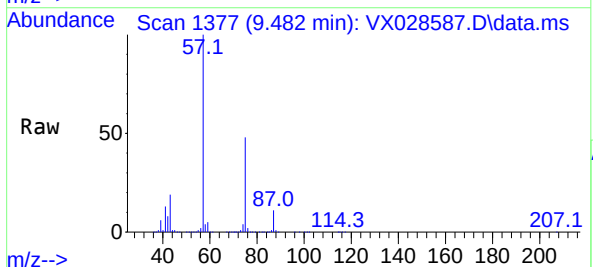
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702TB

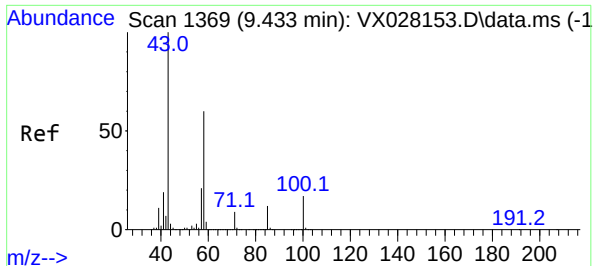
Tgt Ion: 75 Resp: 59771
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 30.3 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.467 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028587.D
 Acq: 10 May 2022 12:06

Tgt Ion: 76 Resp: 38287
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 82.534 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028587.D

Acq: 10 May 2022 12:06

Instrument :

MSVOA_X

ClientSampleId :

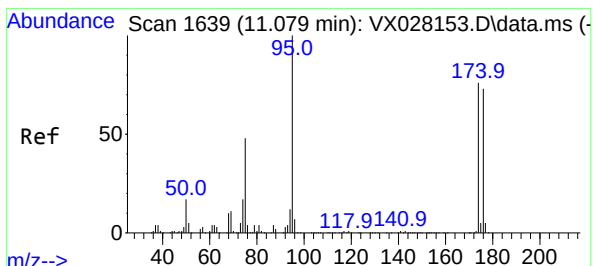
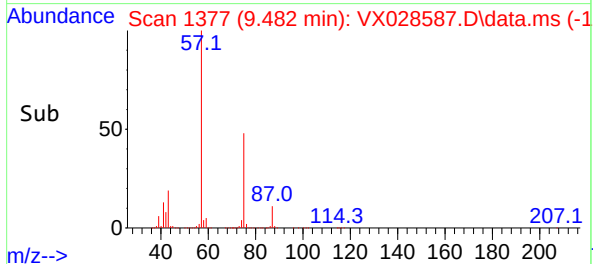
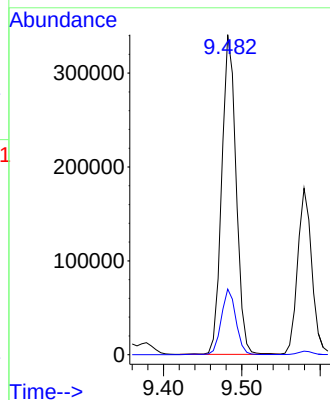
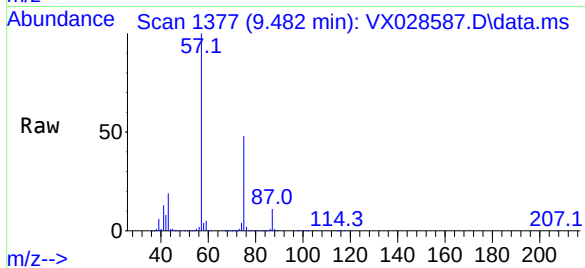
PB144702TB

Tgt Ion: 43 Resp: 435414

Ion Ratio Lower Upper

43 100

58 20.9 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 50.729 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028587.D

Acq: 10 May 2022 12:06

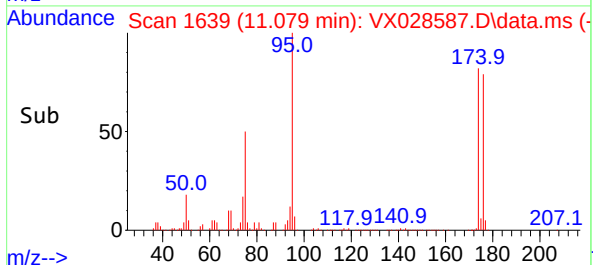
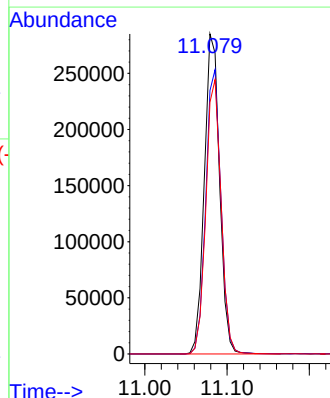
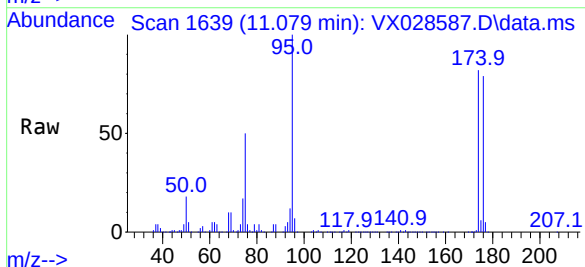
Tgt Ion: 95 Resp: 367052

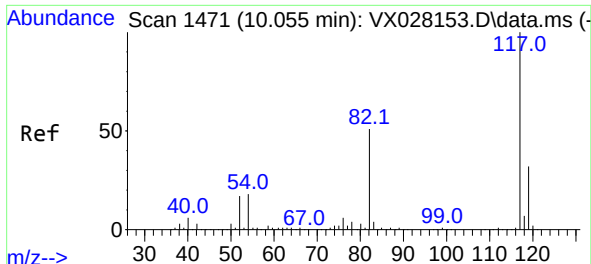
Ion Ratio Lower Upper

95 100

174 88.3 0.0 163.0

176 85.6 0.0 155.0

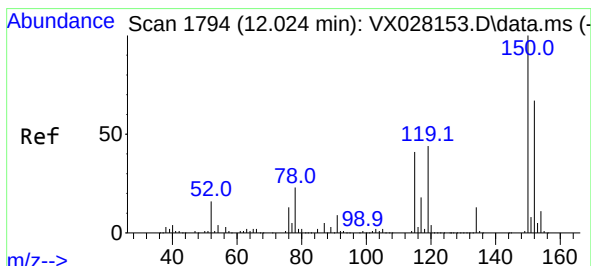
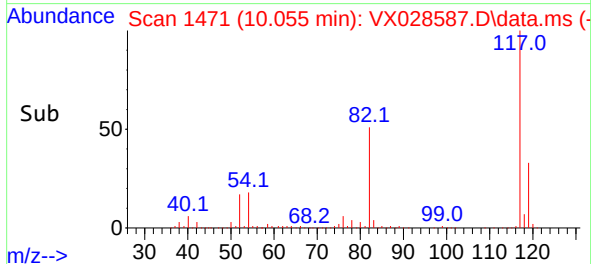
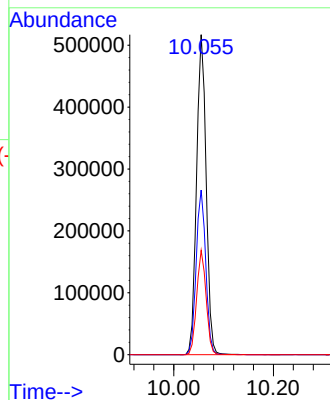
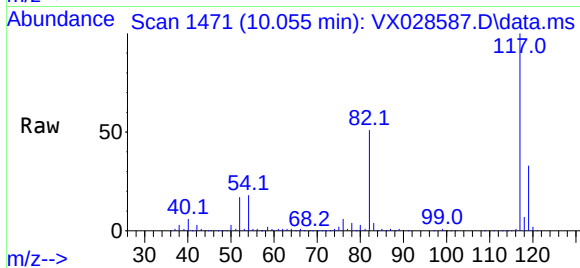




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

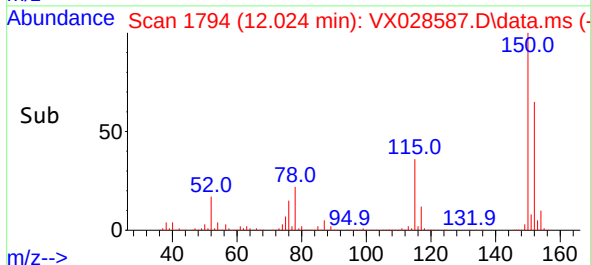
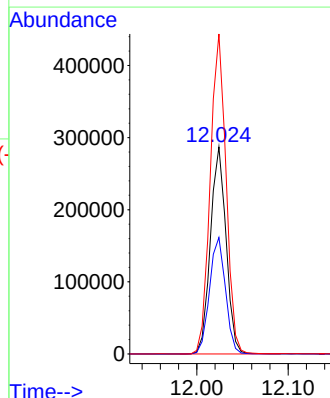
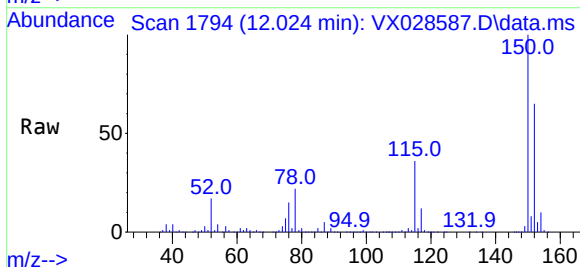
Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

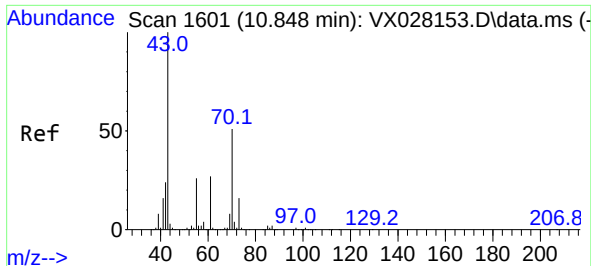
Tgt Ion:117 Resp: 690704
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

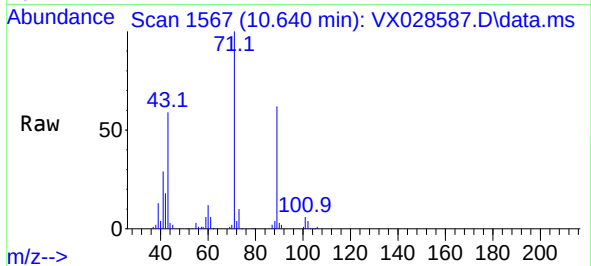
Tgt Ion:152 Resp: 341044
Ion Ratio Lower Upper
152 100
115 57.3 37.5 112.7
150 156.2 0.0 338.2



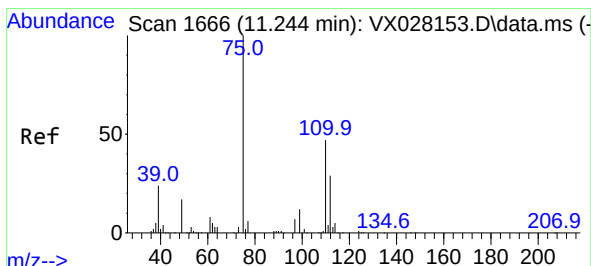
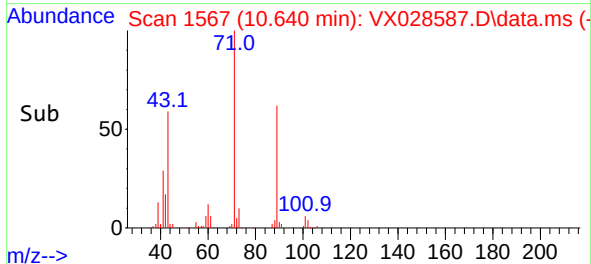
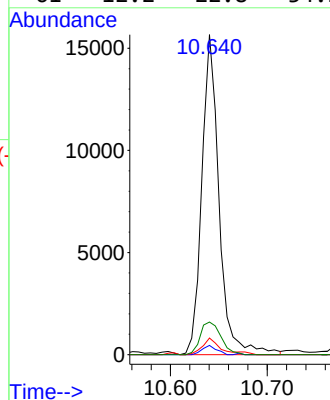


#74
N-amy1 acetate
Concen: 2.406 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.208 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

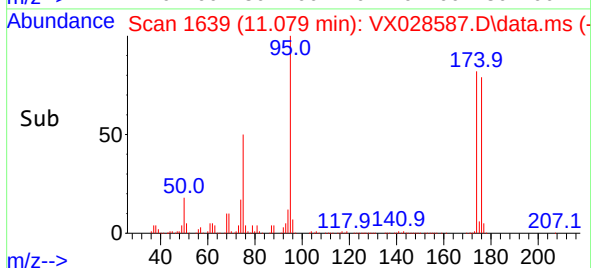
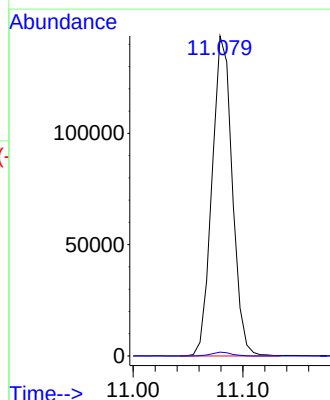
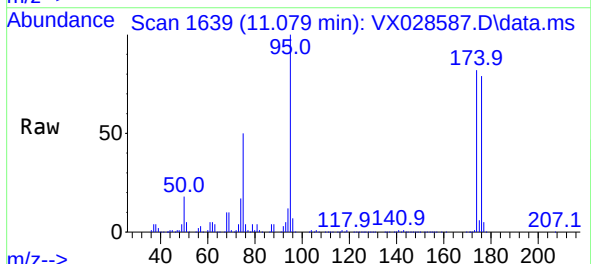


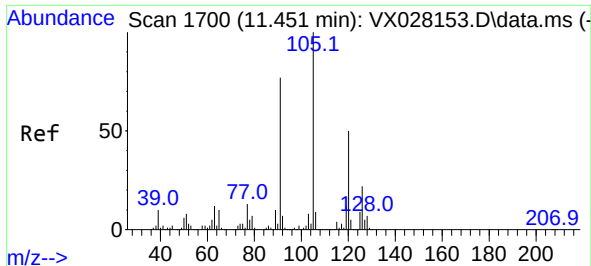
Tgt Ion: 43 Resp: 19496
Ion Ratio Lower Upper
43 100
70 2.4 42.5 63.7#
55 5.6 23.1 34.7#
61 12.2 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion: 75 Resp: 184638
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

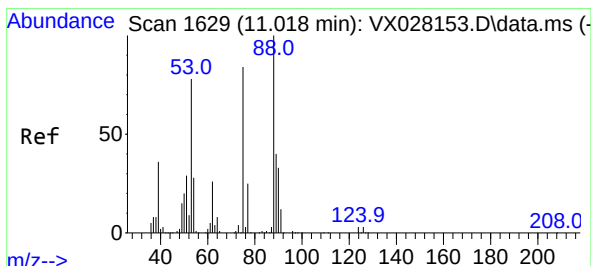
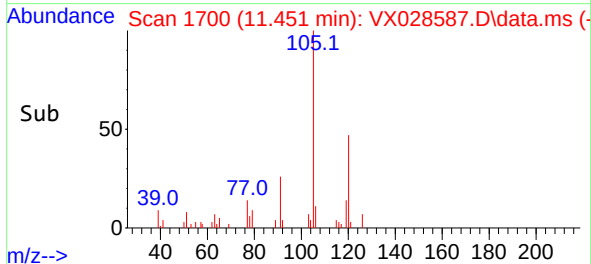
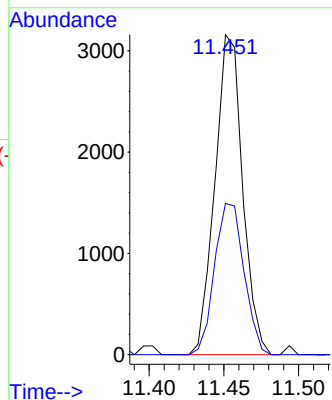
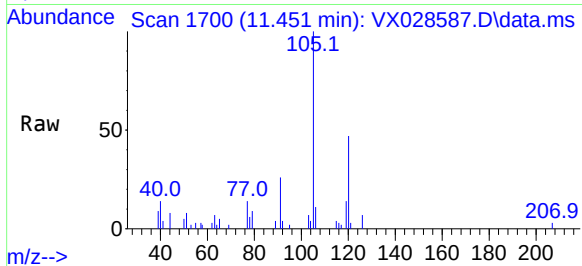




#80
1,3,5-Trimethylbenzene
Concen: 0.204 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

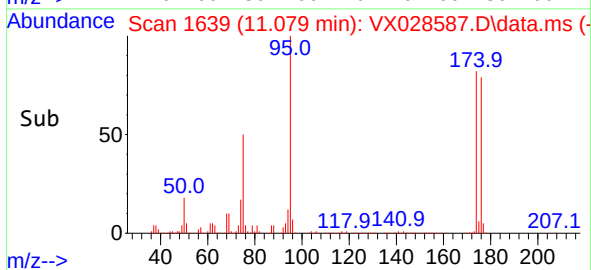
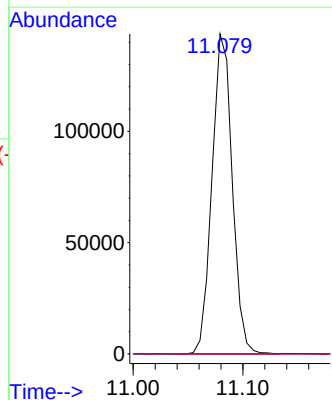
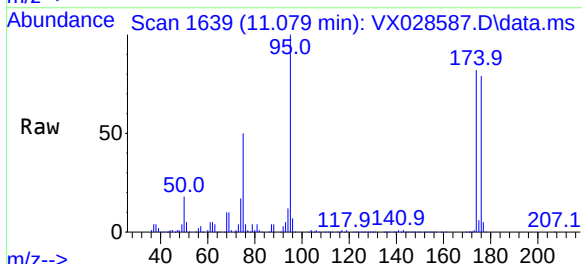
Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

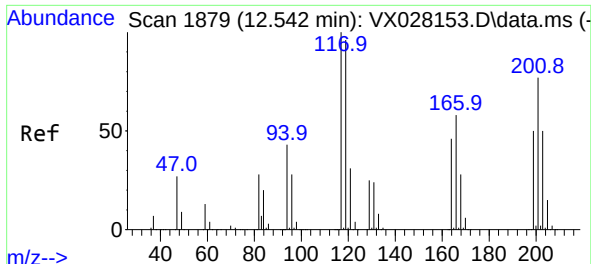
Tgt Ion:105 Resp: 4068
Ion Ratio Lower Upper
105 100
120 50.2 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 81.749 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion: 75 Resp: 184638
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

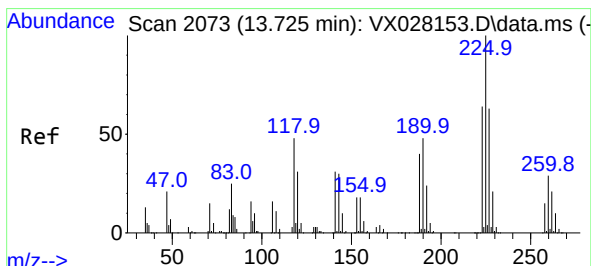
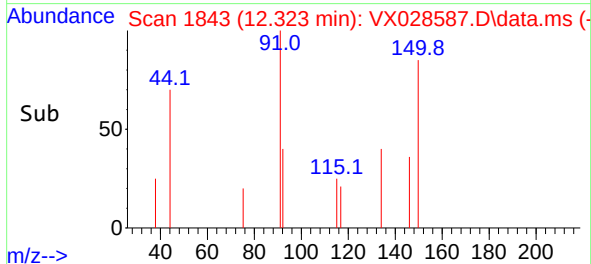
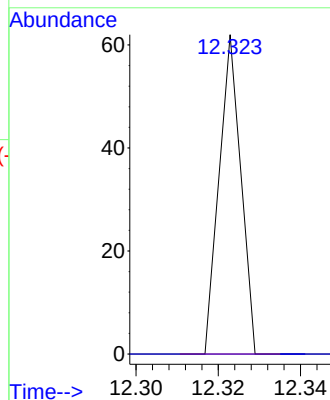
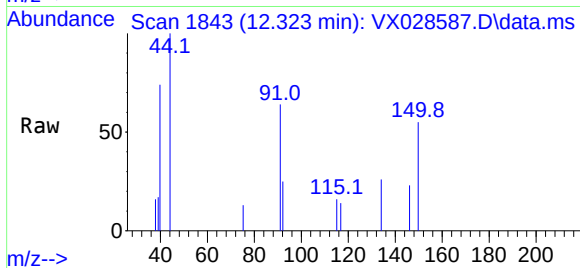




#90
Hexachloroethane
Concen: 1.820 ug/l
RT: 12.323 min Scan# 117
Delta R.T. -0.219 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Instrument :
MSVOA_X
ClientSampleId :
PB144702TB

Tgt Ion:117 Resp: 23
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#94
Hexachlorobutadiene
Concen: 0.361 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028587.D
Acq: 10 May 2022 12:06

Tgt Ion:225 Resp: 1091
Ion Ratio Lower Upper
225 100
223 69.2 34.2 102.5
227 56.2 33.9 101.7

