

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029915.D
 Acq On : 05 Jul 2022 13:08
 Operator : JC/MD
 Sample : PB145991ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#01

Quant Time: Jul 06 06:54:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

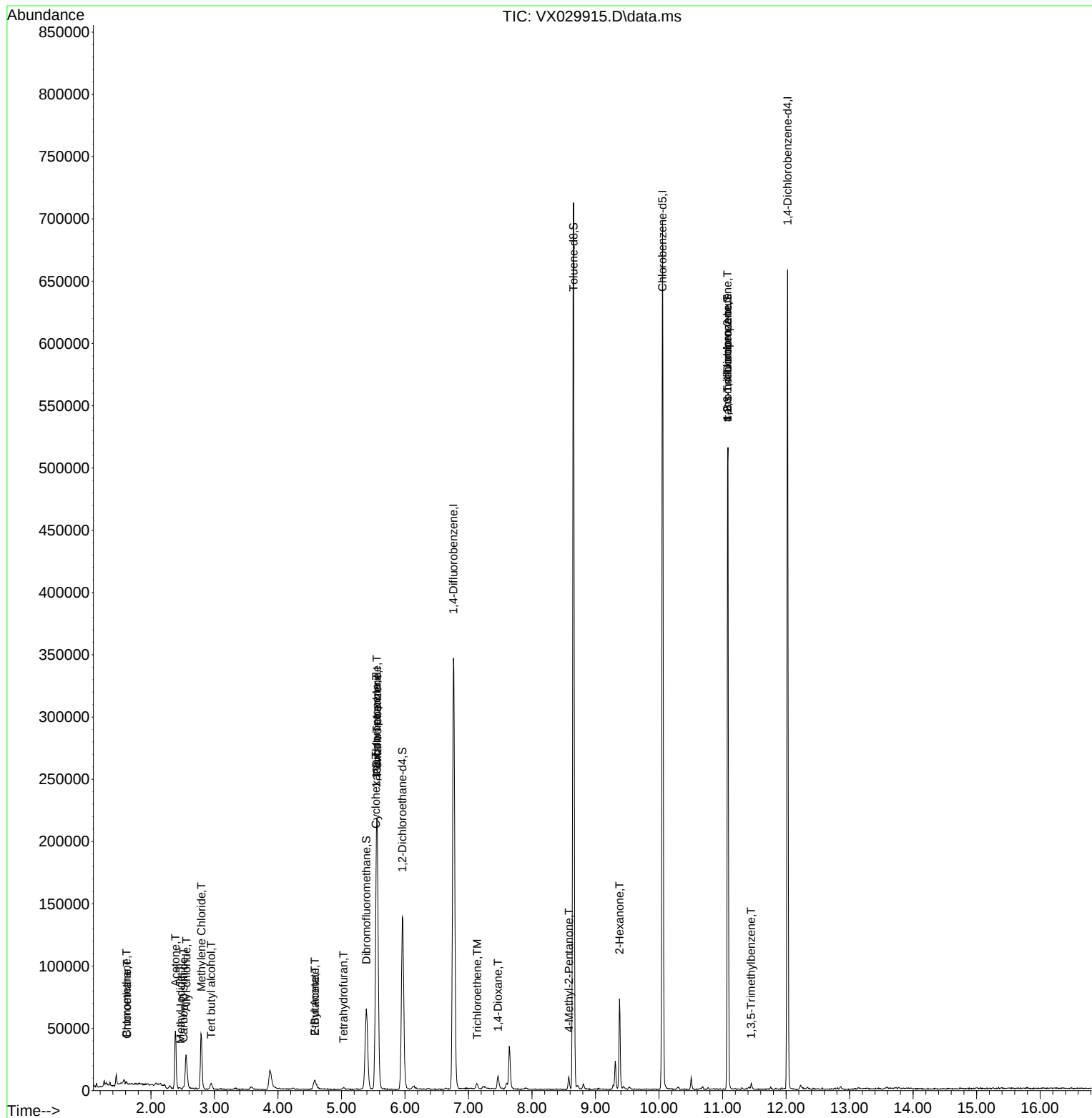
Internal Standards						
1) Pentafluorobenzene	5.562	168	221252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	378649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	120301	42.954	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.900%		
35) Dibromofluoromethane	5.391	113	57166	24.158	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	48.320%#		
50) Toluene-d8	8.653	98	427642	48.172	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.340%		
62) 4-Bromofluorobenzene	11.079	95	143321	45.673	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.340%		
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	429	0.315	ug/l #	64
6) Chloroethane	1.624	64	602	1.360	ug/l #	62
10) Methyl Iodide	2.465	142	925	2.166	ug/l #	91
11) Tert butyl alcohol	2.947	59	3370	4.601	ug/l #	74
13) Acrolein	2.227	56	19	Below Cal	#	1
14) Allyl chloride	2.556	41	3539	0.842	ug/l #	58
16) Acetone	2.386	43	49187	35.898	ug/l	100
17) Carbon Disulfide	2.514	76	1347	0.238	ug/l #	94
20) Methylene Chloride	2.794	84	20179	6.973	ug/l	96
25) 2-Butanone	4.580	43	6088	2.560	ug/l #	78
29) Tetrahydrofuran	5.032	42	906	0.579	ug/l #	88
31) Cyclohexane	5.544	56	4518	1.157	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	16146	5.130	ug/l #	47
37) Ethyl Acetate	4.580	43	6088	1.414	ug/l #	69
38) Carbon Tetrachloride	5.556	117	20752	7.609	ug/l #	17
44) Trichloroethene	7.135	130	1642	0.599	ug/l	96
49) 1,4-Dioxane	7.464	88	19	0.261	ug/l #	1
51) 4-Methyl-2-Pentanone	8.580	43	6276	1.468	ug/l	99
59) 2-Hexanone	9.378	43	47830	14.420	ug/l #	24
76) 1,2,3-Trichloropropane	11.079	75	65038	19.725	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	1704	0.206	ug/l	78
81) trans-1,4-Dichloro-2-b...	11.079	75	65038	62.643	ug/l #	13

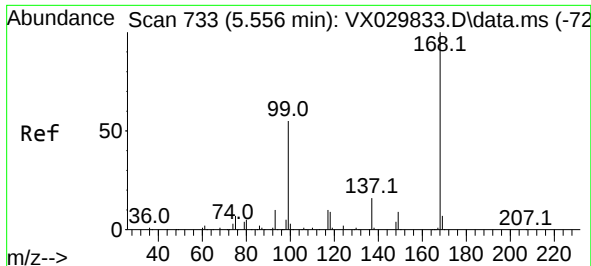
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
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Instrument :
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Quant Time: Jul 06 06:54:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 05:54:51 2022
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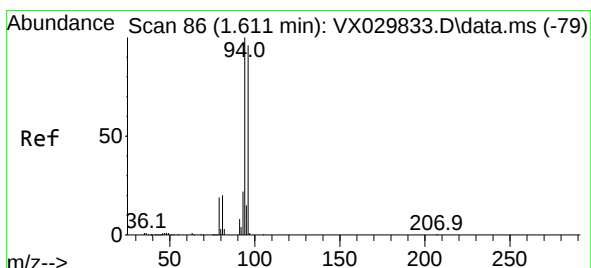
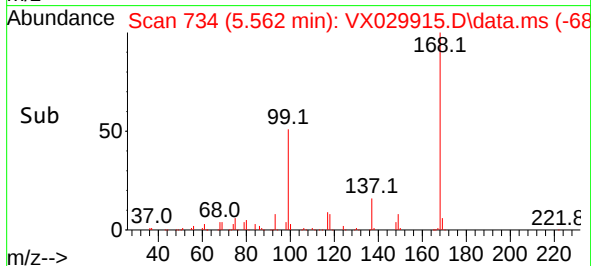
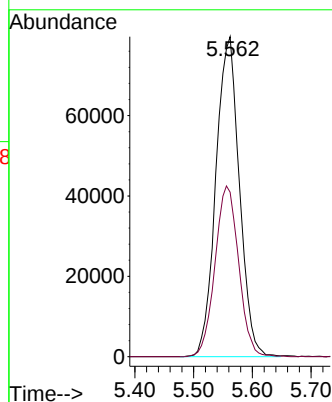
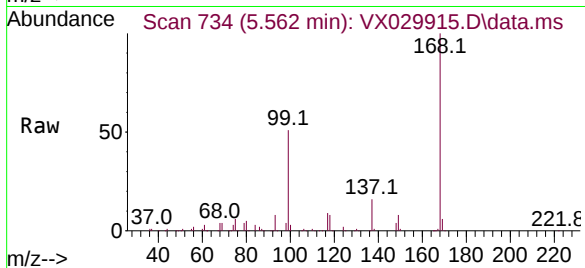




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

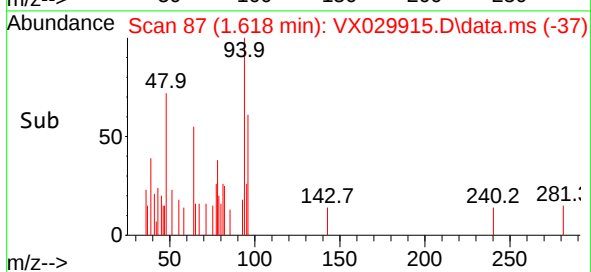
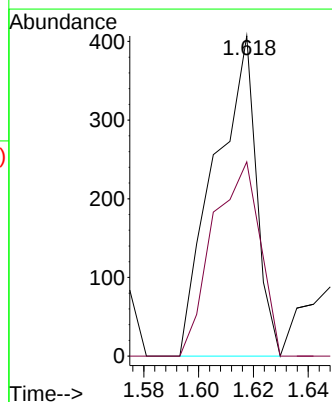
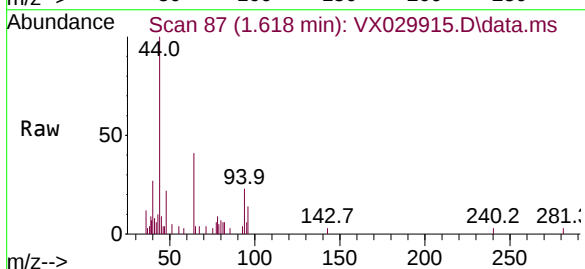
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#01

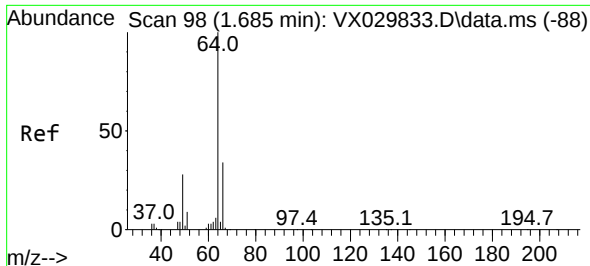
Tgt Ion:168 Resp: 221252
Ion Ratio Lower Upper
168 100
99 51.4 44.0 66.0



#5
Bromomethane
Concen: 0.315 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

Tgt Ion: 94 Resp: 429
Ion Ratio Lower Upper
94 100
96 60.7 76.9 115.3#

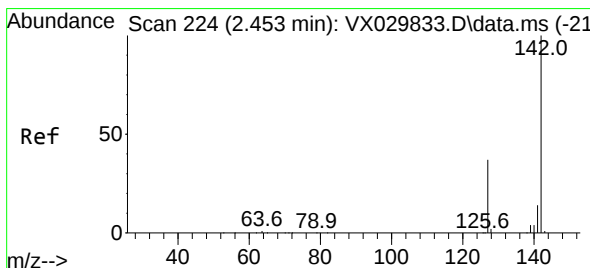
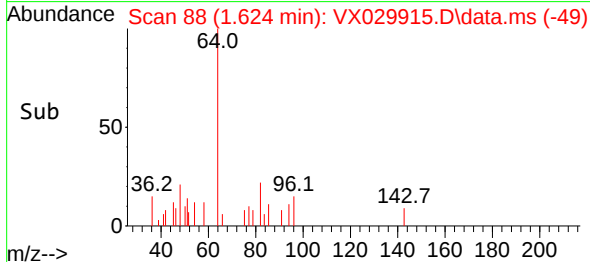
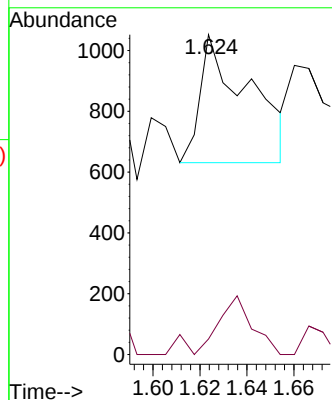
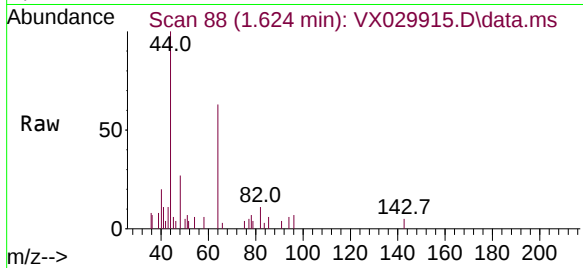




#6
Chloroethane
Concen: 1.360 ug/l
RT: 1.624 min Scan# 81
Delta R.T. -0.061 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

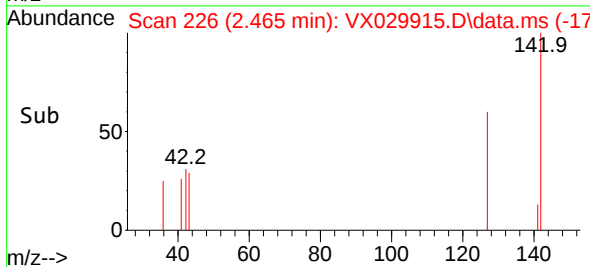
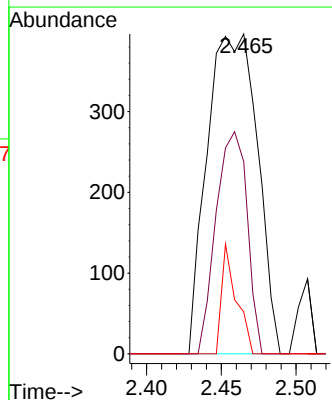
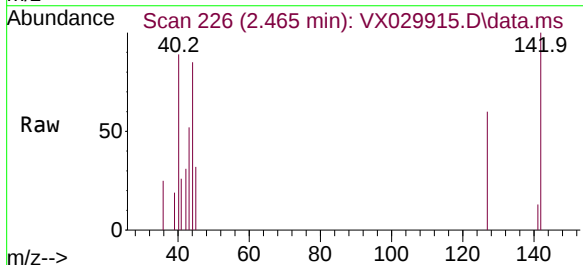
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#01

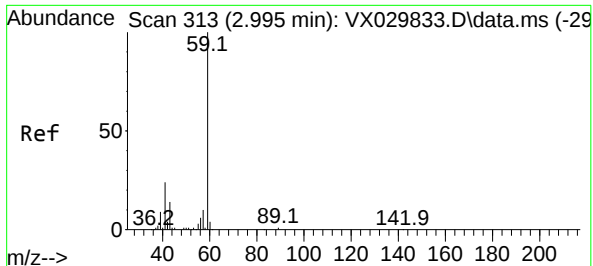
Tgt Ion: 64 Resp: 602
Ion Ratio Lower Upper
64 100
66 12.1 27.2 40.8#



#10
Methyl Iodide
Concen: 2.166 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

Tgt Ion: 142 Resp: 925
Ion Ratio Lower Upper
142 100
127 42.9 30.2 45.2
141 10.1 11.3 16.9#





#11

Tert butyl alcohol

Concen: 4.601 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX029915.D

Acq: 05 Jul 2022 13:08

Instrument :

MSVOA_X

ClientSampleId :

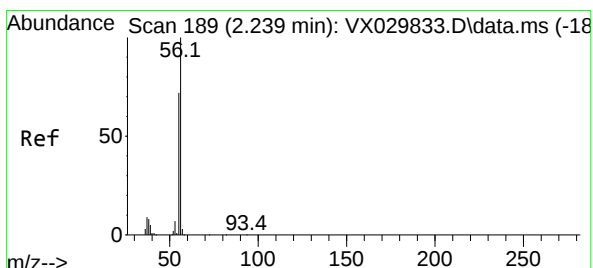
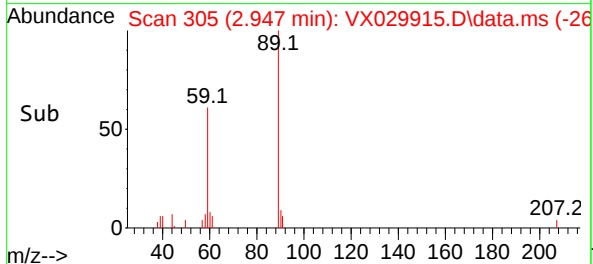
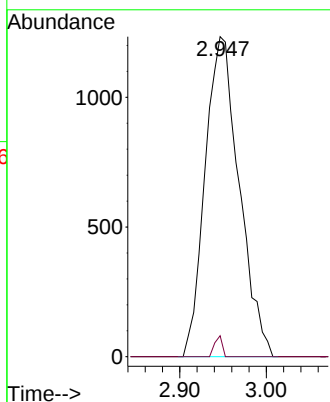
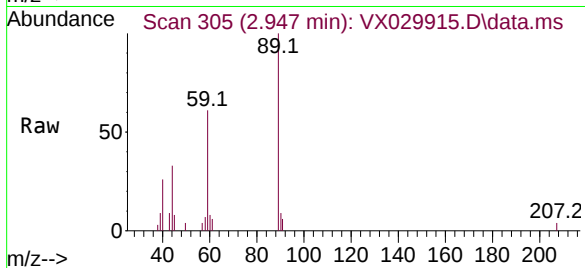
PB145991ZHE#01

Tgt Ion: 59 Resp: 3370

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX029915.D

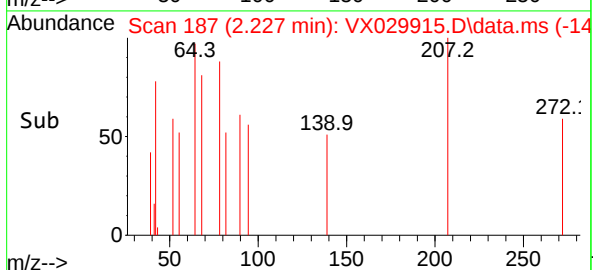
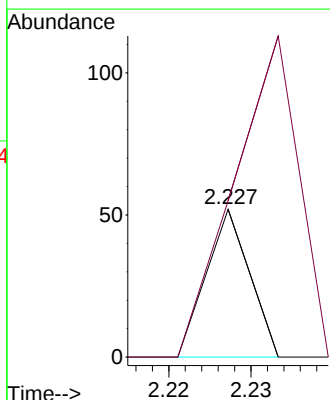
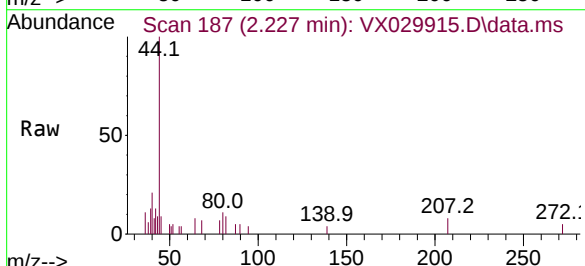
Acq: 05 Jul 2022 13:08

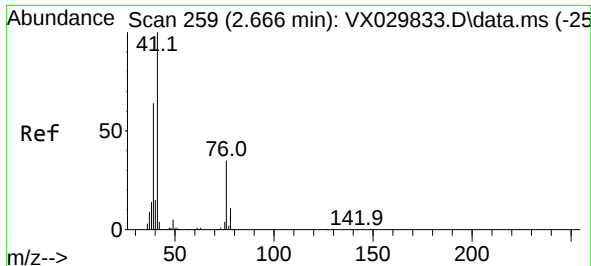
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 321.1 56.6 84.8#

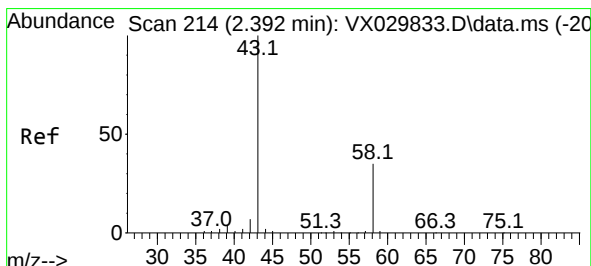
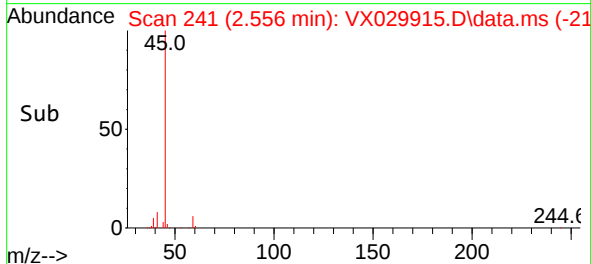
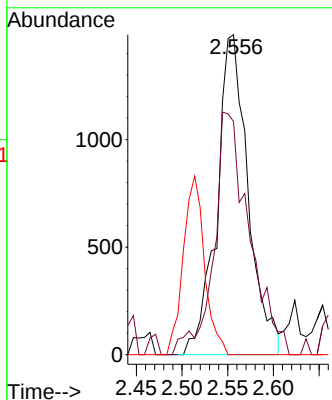
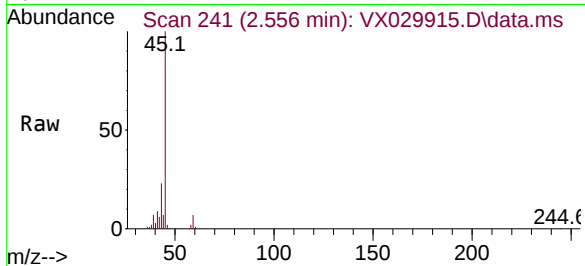




#14
 Allyl chloride
 Concen: 0.842 ug/l
 RT: 2.556 min Scan# 241
 Delta R.T. -0.110 min
 Lab File: VX029915.D
 Acq: 05 Jul 2022 13:08

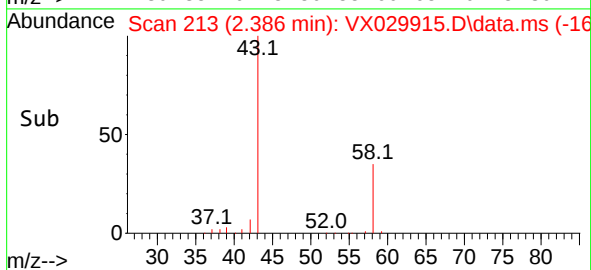
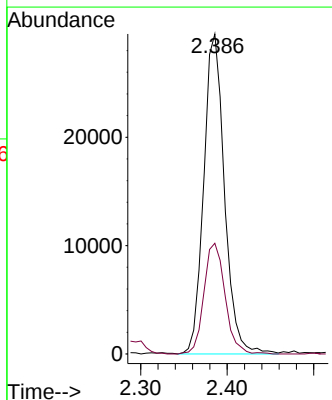
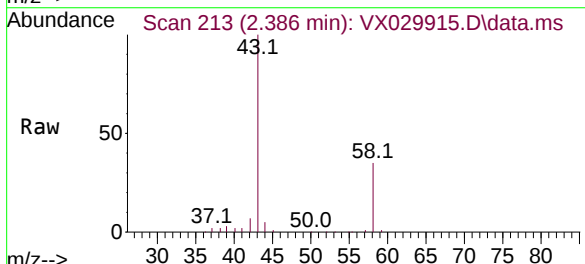
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#01

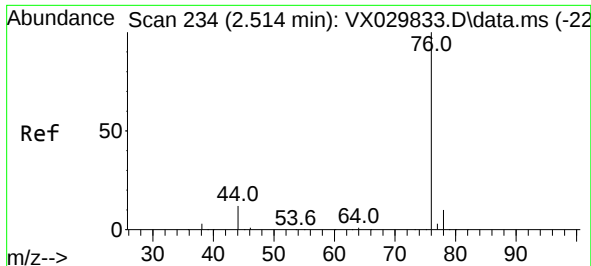
Tgt Ion: 41 Resp: 3539
 Ion Ratio Lower Upper
 41 100
 39 85.6 48.9 73.3#
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 35.898 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX029915.D
 Acq: 05 Jul 2022 13:08

Tgt Ion: 43 Resp: 49187
 Ion Ratio Lower Upper
 43 100
 58 34.6 27.7 41.5

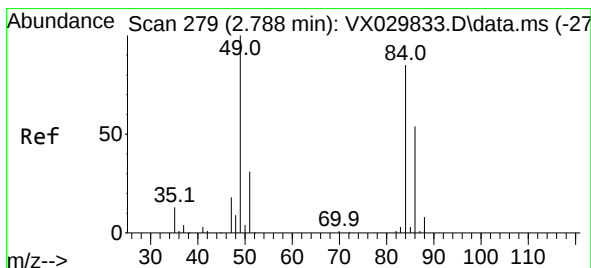
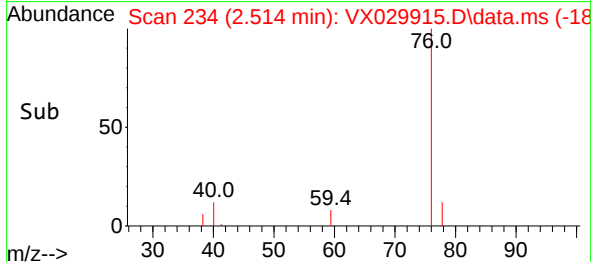
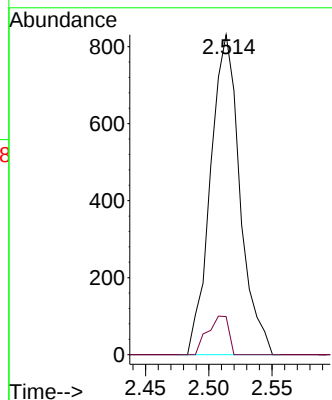
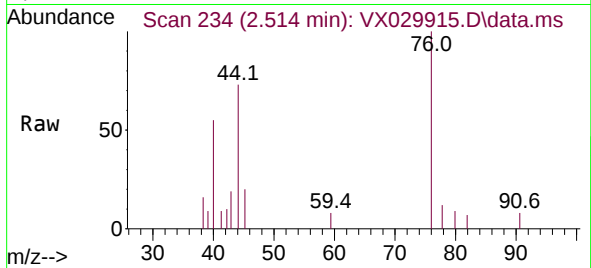




#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

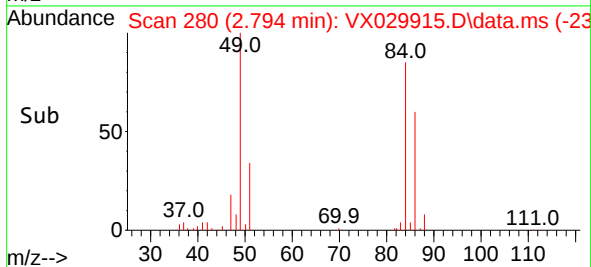
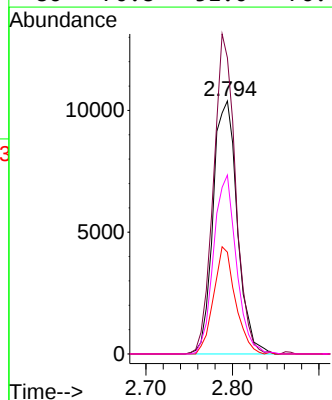
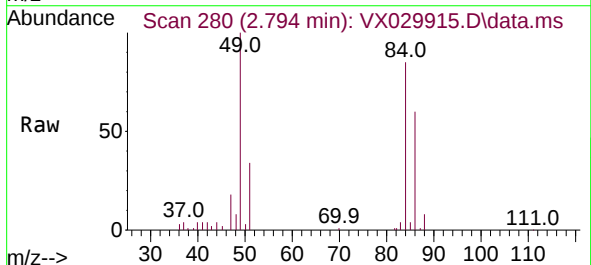
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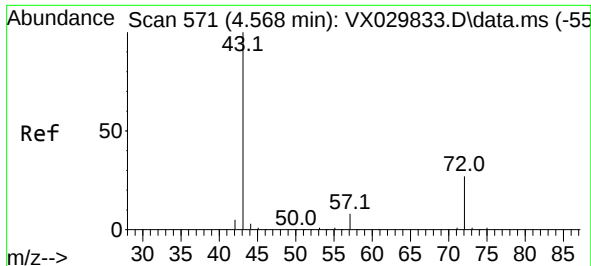
Tgt Ion: 76 Resp: 1347
Ion Ratio Lower Upper
76 100
78 11.9 7.8 11.6#



#20
Methylene Chloride
Concen: 6.973 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

Tgt Ion: 84 Resp: 20179
Ion Ratio Lower Upper
84 100
49 117.1 93.8 140.6
51 40.2 29.4 44.0
86 70.8 51.0 76.4

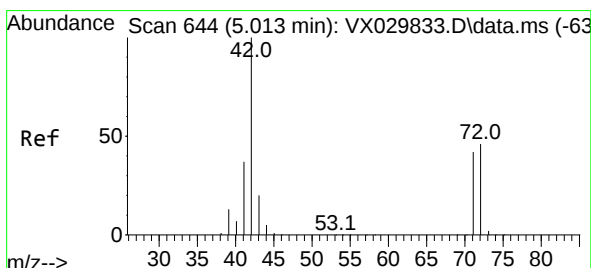
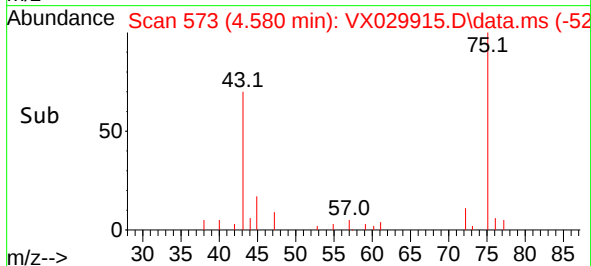
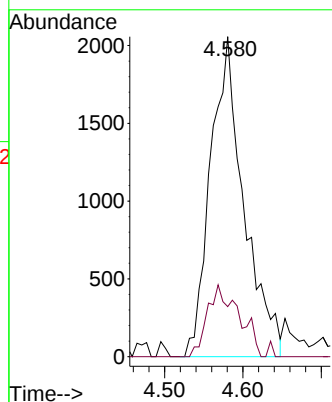
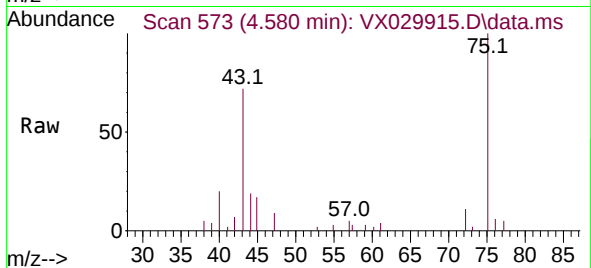




#25
2-Butanone
Concen: 2.560 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

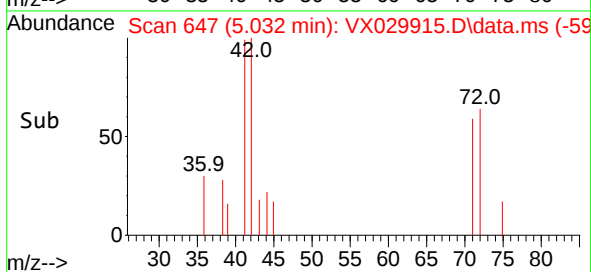
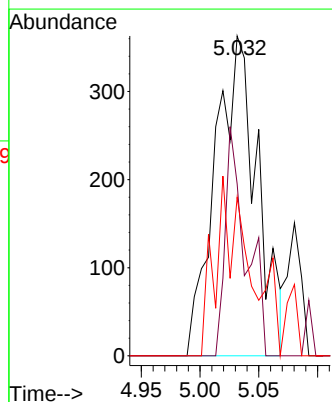
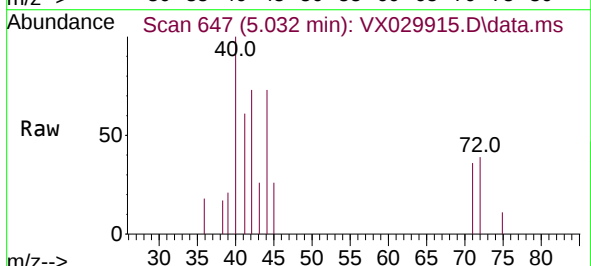
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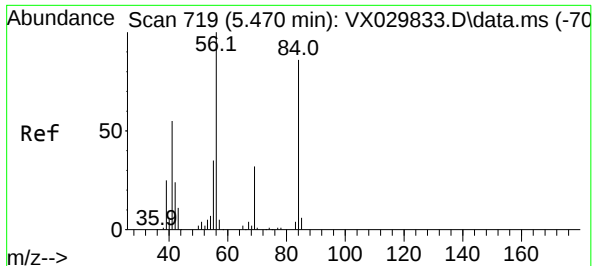
Tgt Ion: 43 Resp: 6088
Ion Ratio Lower Upper
43 100
72 15.7 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.579 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

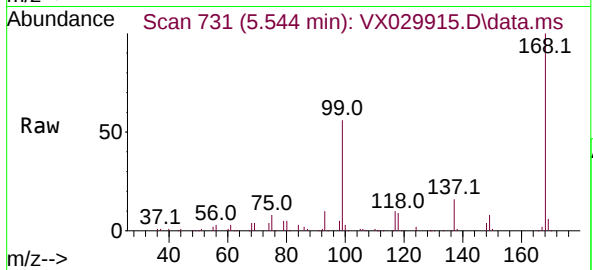
Tgt Ion: 42 Resp: 906
Ion Ratio Lower Upper
42 100
72 35.2 36.5 54.7#
71 37.5 33.9 50.9



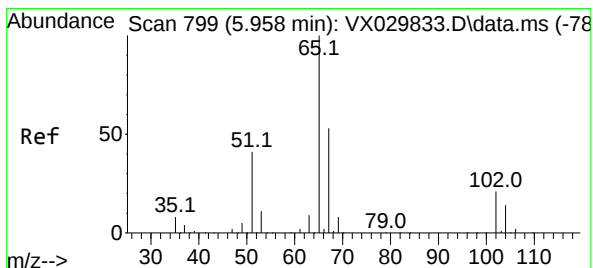
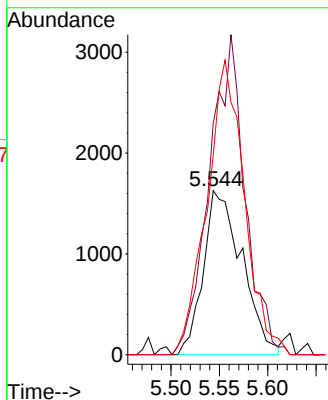
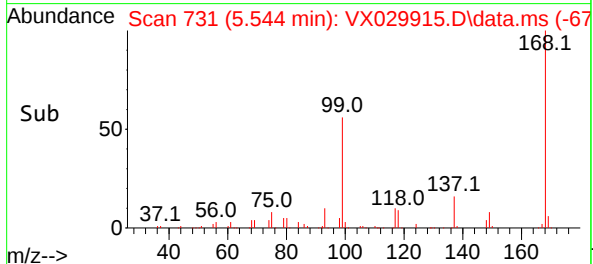


#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

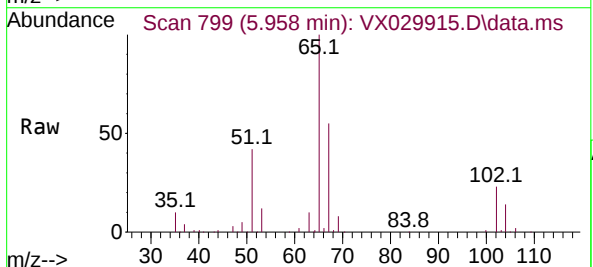
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#01



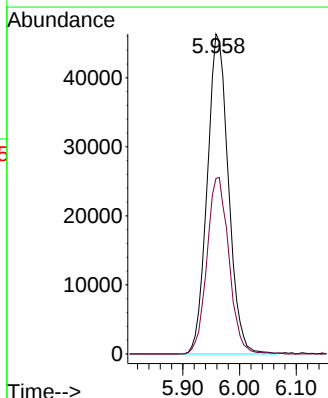
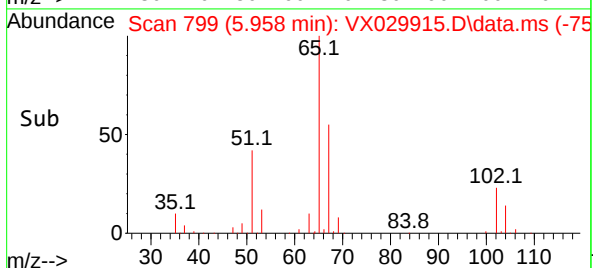
Tgt Ion: 56 Resp: 4518
Ion Ratio Lower Upper
56 100
69 136.6 25.4 38.0#
84 116.5 68.9 103.3#

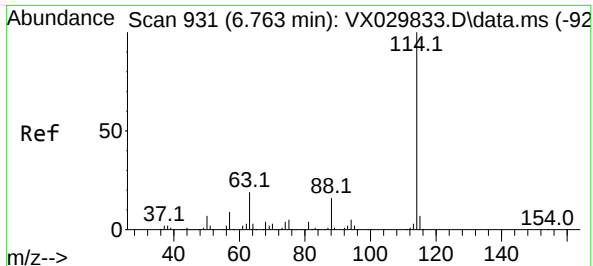


#33
1,2-Dichloroethane-d4
Concen: 42.954 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08



Tgt Ion: 65 Resp: 120301
Ion Ratio Lower Upper
65 100
67 57.2 0.0 109.6

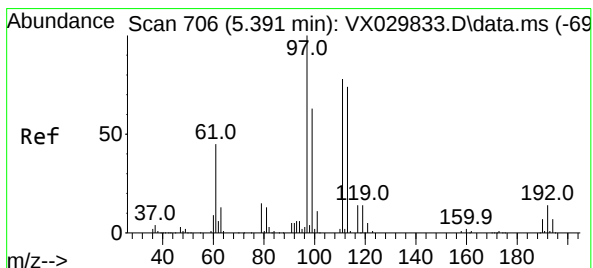
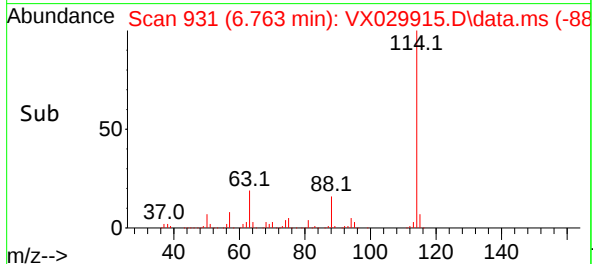
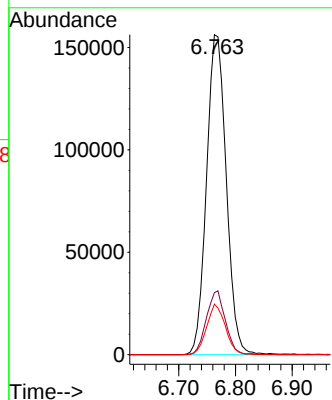
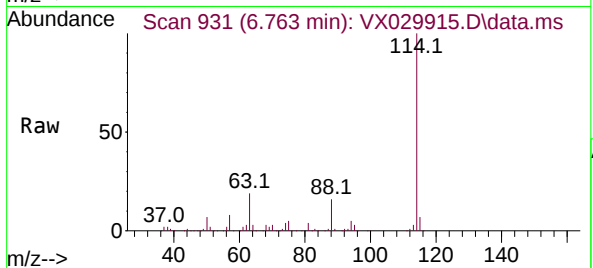




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

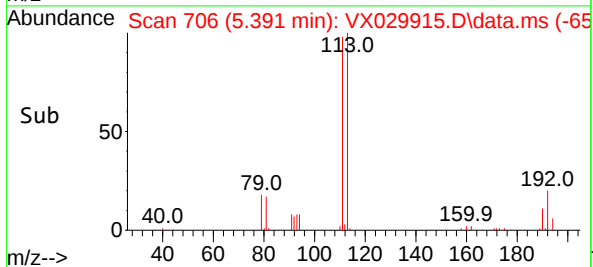
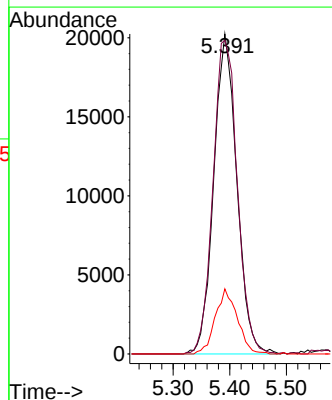
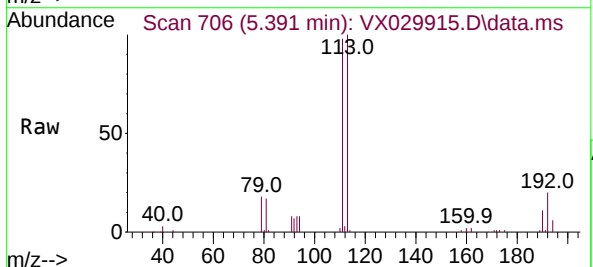
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#01

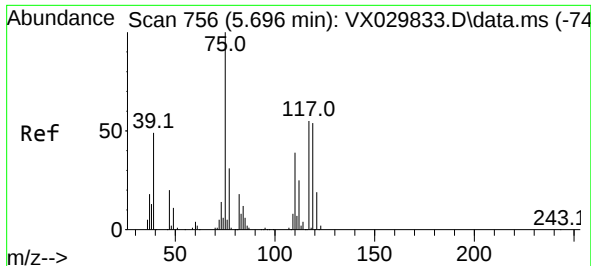
Tgt Ion:114 Resp: 378649
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.4
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 24.158 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

Tgt Ion:113 Resp: 57166
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 19.4 14.8 22.2

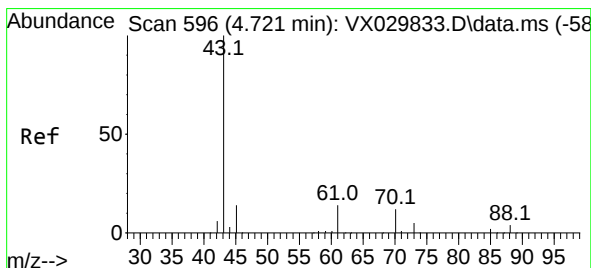
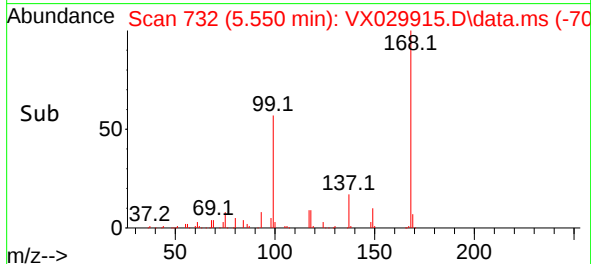
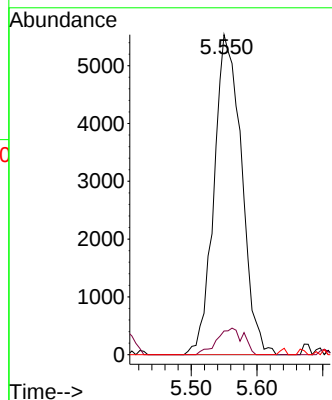
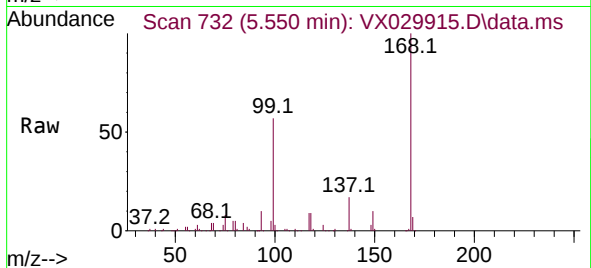




#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

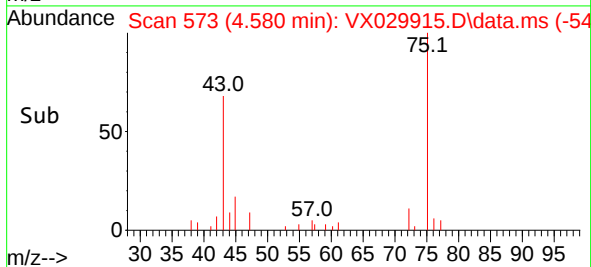
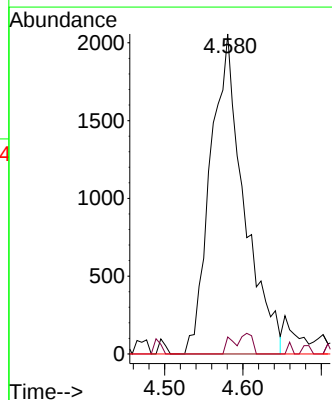
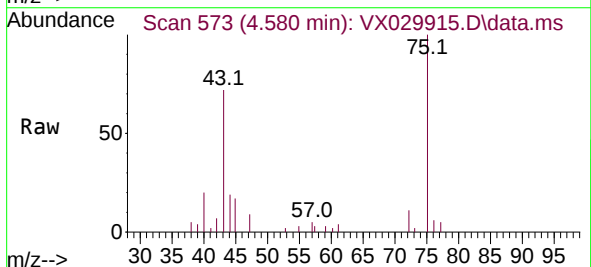
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#01

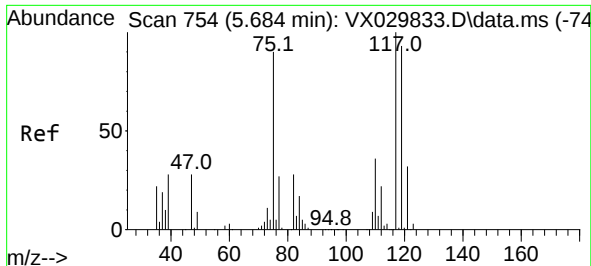
Tgt Ion: 75 Resp: 16146
Ion Ratio Lower Upper
75 100
110 8.0 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.414 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.140 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

Tgt Ion: 43 Resp: 6088
Ion Ratio Lower Upper
43 100
61 1.5 11.7 17.5#
70 0.0 9.3 13.9#

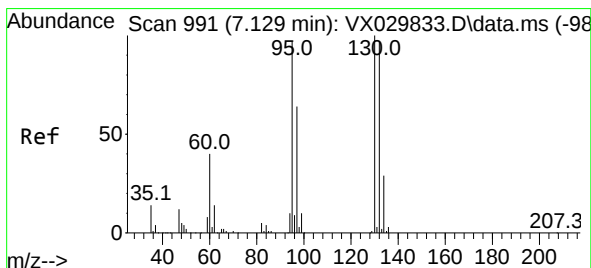
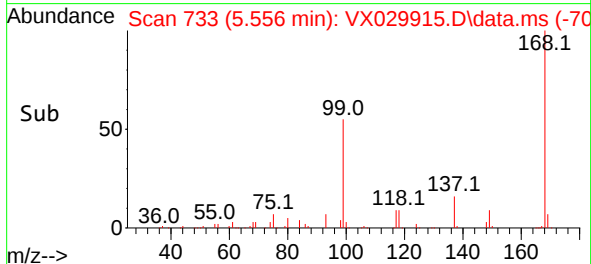
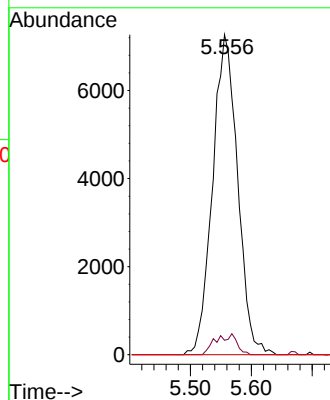
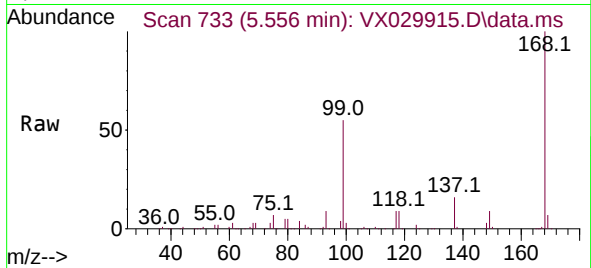




#38
Carbon Tetrachloride
Concen: 7.609 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

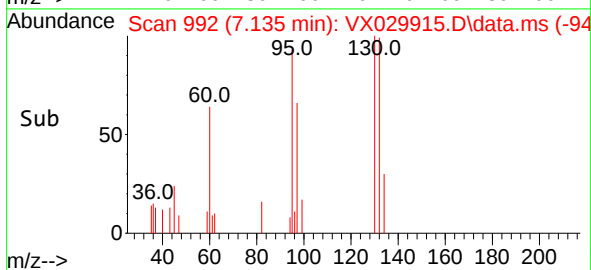
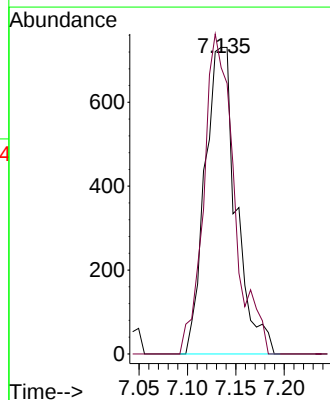
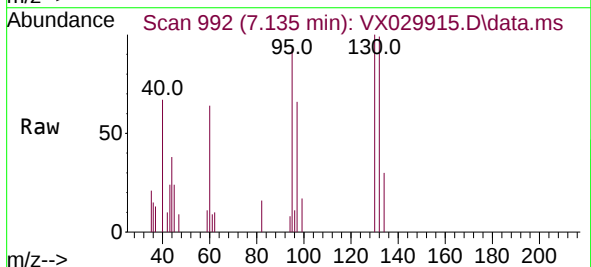
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#01

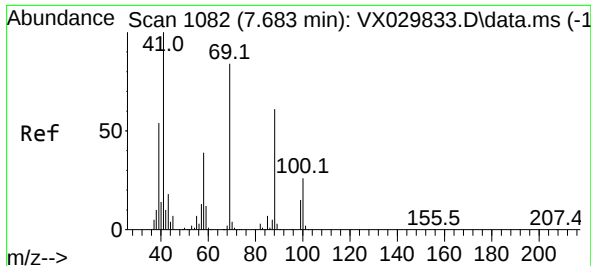
Tgt Ion:117 Resp: 20752
Ion Ratio Lower Upper
117 100
119 4.5 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.599 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

Tgt Ion:130 Resp: 1642
Ion Ratio Lower Upper
130 100
95 93.4 0.0 194.8





#49

1,4-Dioxane

Concen: 0.261 ug/l

RT: 7.464 min Scan# 1046

Delta R.T. -0.219 min

Lab File: VX029915.D

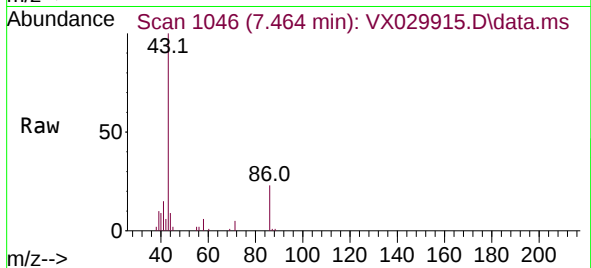
Acq: 05 Jul 2022 13:08

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#01



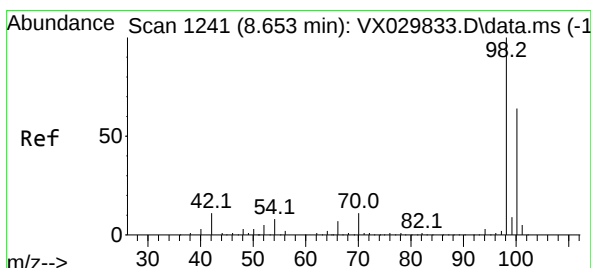
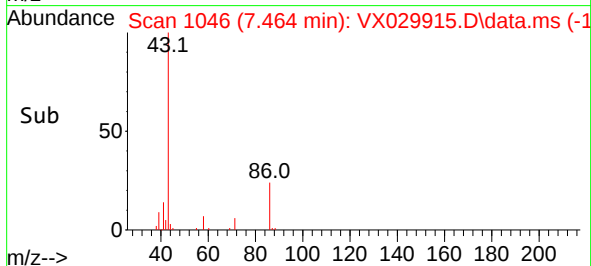
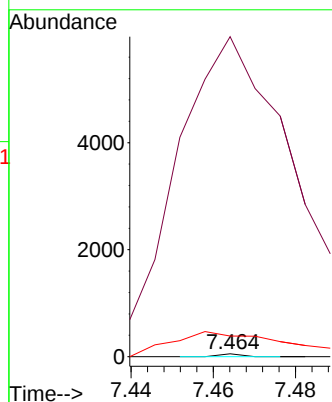
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 64078.9 23.8 35.8#

58 5278.9 53.8 80.6#



#50

Toluene-d8

Concen: 48.172 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX029915.D

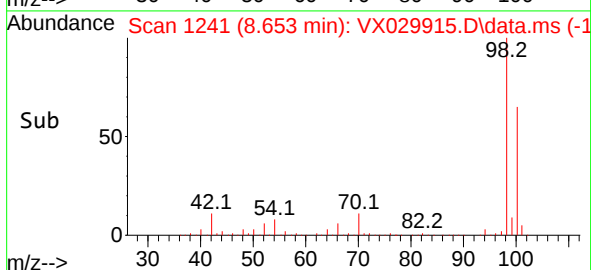
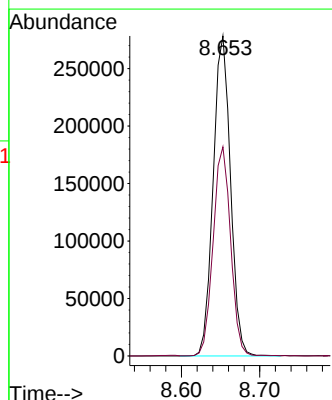
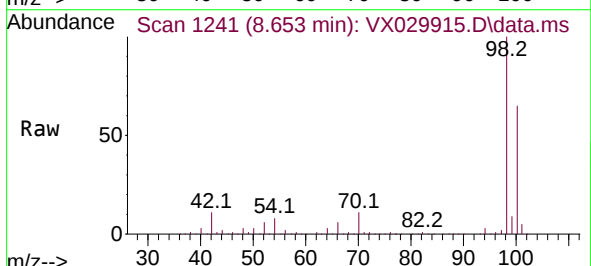
Acq: 05 Jul 2022 13:08

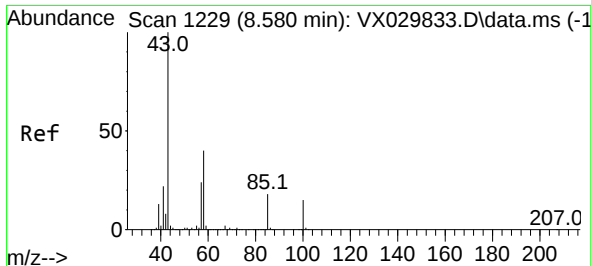
Tgt Ion: 98 Resp: 427642

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5

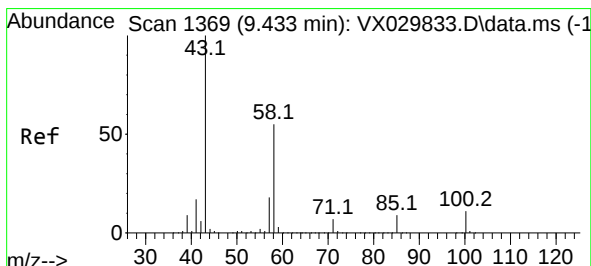
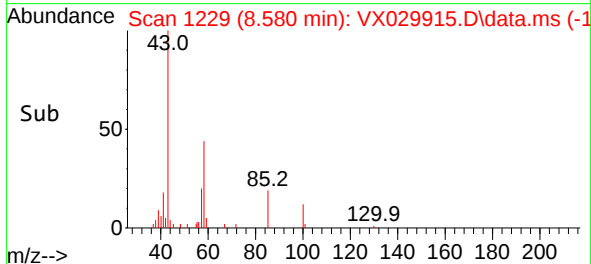
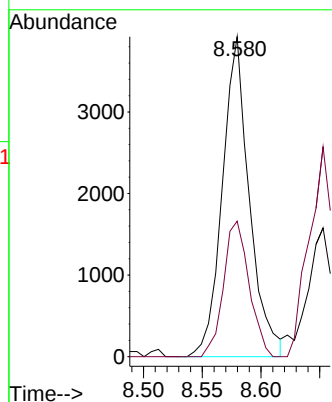
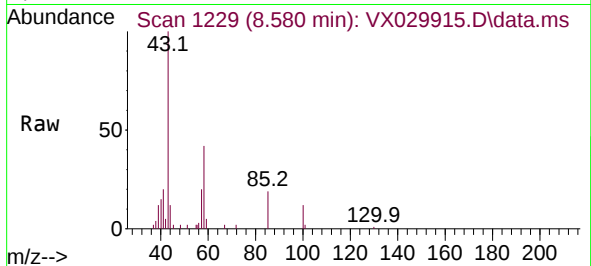




#51
4-Methyl-2-Pentanone
Concen: 1.468 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

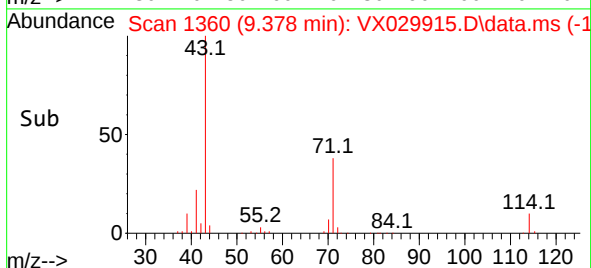
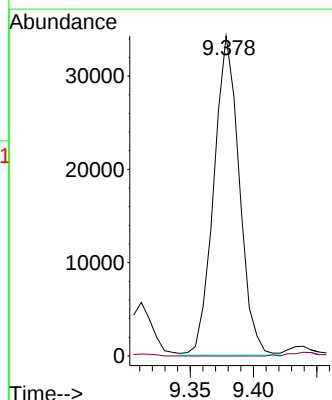
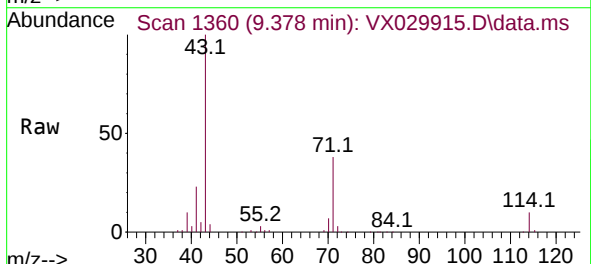
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#01

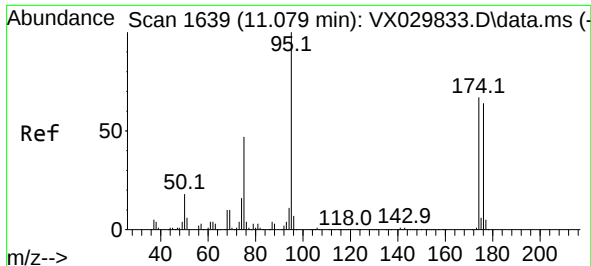
Tgt Ion: 43 Resp: 6276
Ion Ratio Lower Upper
43 100
58 40.2 31.4 47.2



#59
2-Hexanone
Concen: 14.420 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

Tgt Ion: 43 Resp: 47830
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.8#

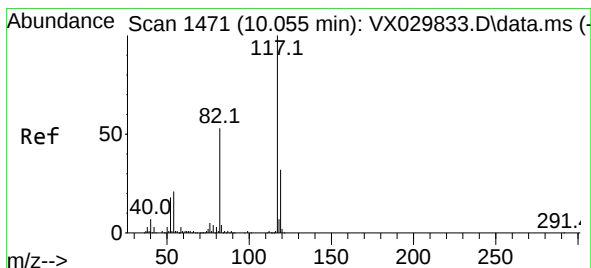
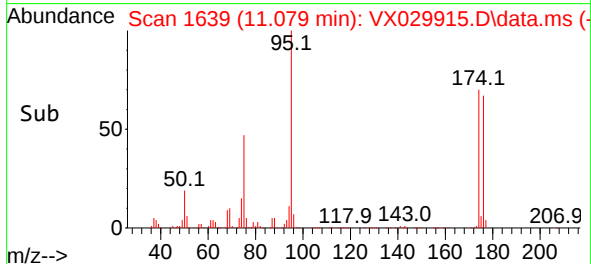
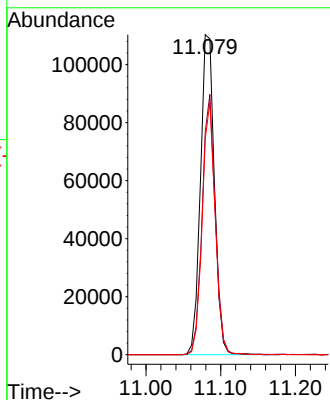
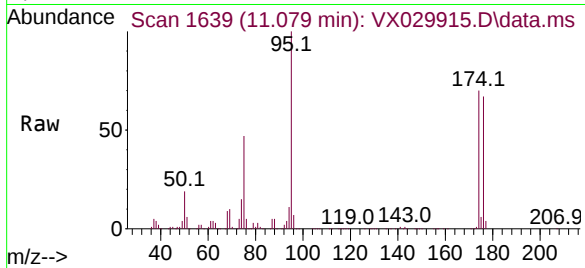




#62
4-Bromofluorobenzene
Concen: 45.673 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

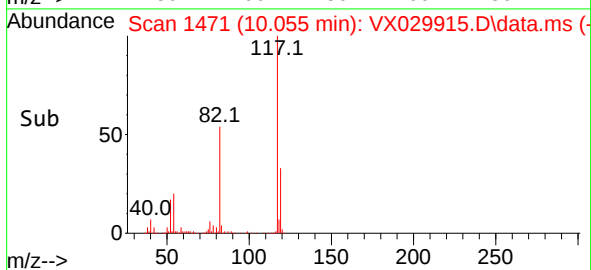
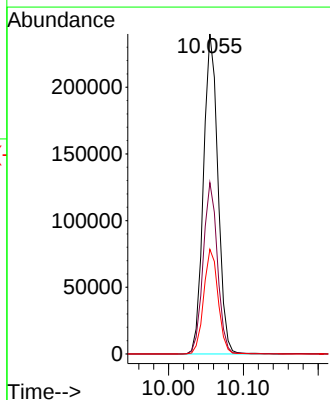
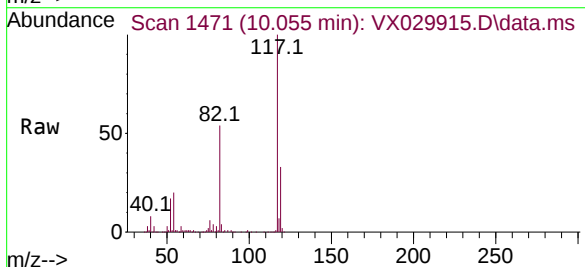
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#01

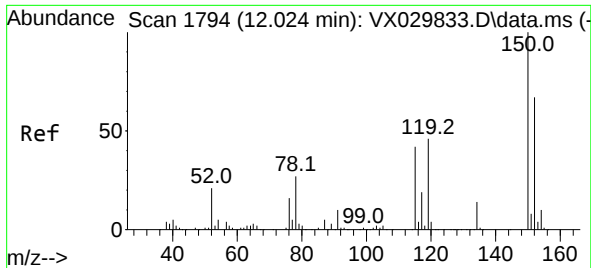
Tgt Ion: 95 Resp: 143321
Ion Ratio Lower Upper
95 100
174 76.1 0.0 149.0
176 73.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029915.D
Acq: 05 Jul 2022 13:08

Tgt Ion: 117 Resp: 322292
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 32.7 25.4 38.2

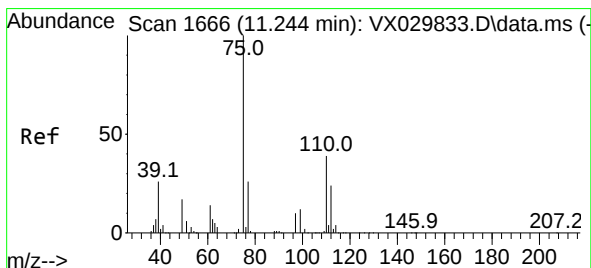
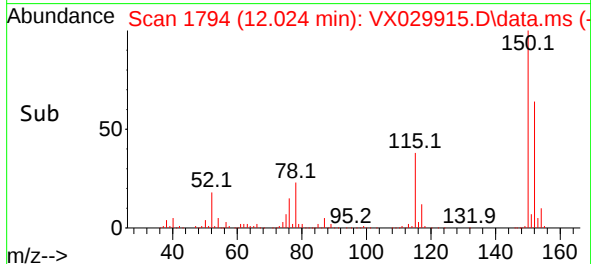
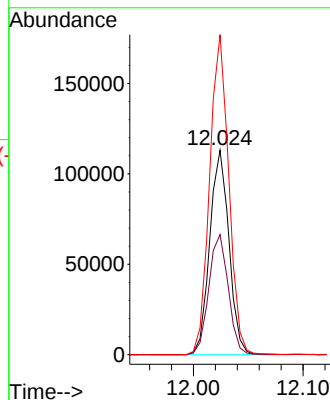
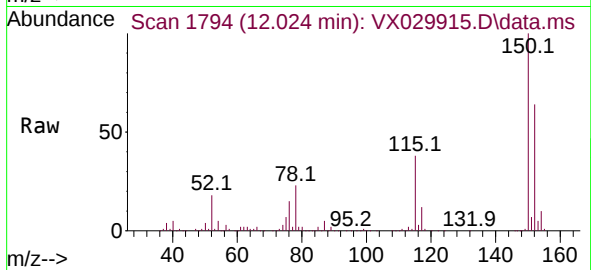




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029915.D
 Acq: 05 Jul 2022 13:08

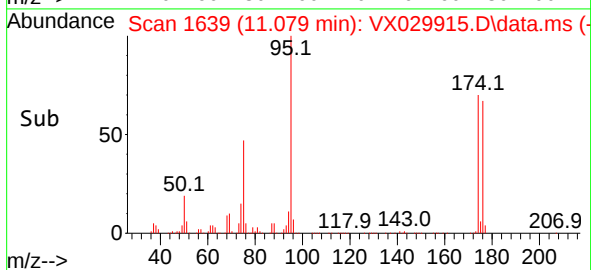
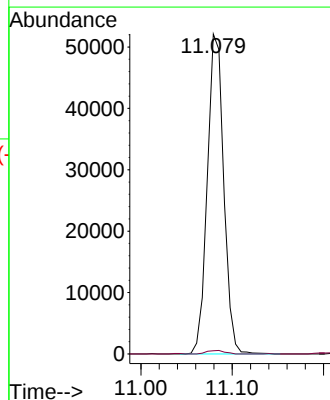
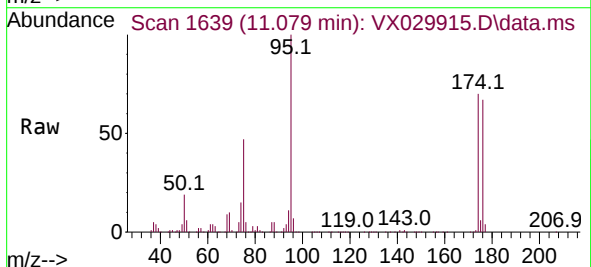
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#01

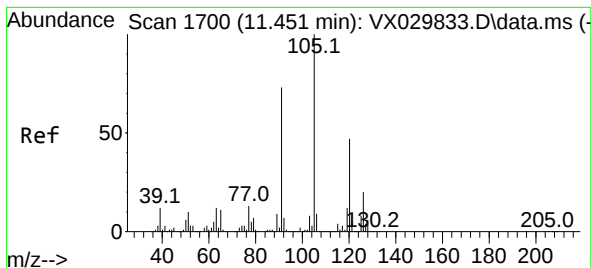
Tgt Ion:152 Resp: 137734
 Ion Ratio Lower Upper
 152 100
 115 59.6 40.5 121.5
 150 155.8 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 19.725 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029915.D
 Acq: 05 Jul 2022 13:08

Tgt Ion: 75 Resp: 65038
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#





#80

1,3,5-Trimethylbenzene

Concen: 0.206 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029915.D

Acq: 05 Jul 2022 13:08

Instrument :

MSVOA_X

ClientSampleId :

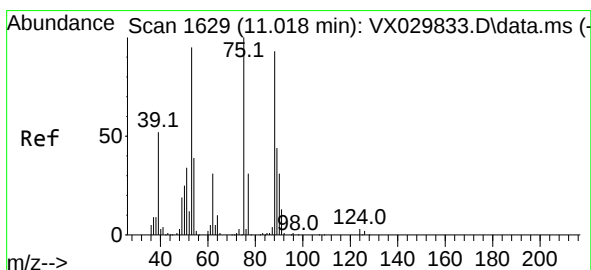
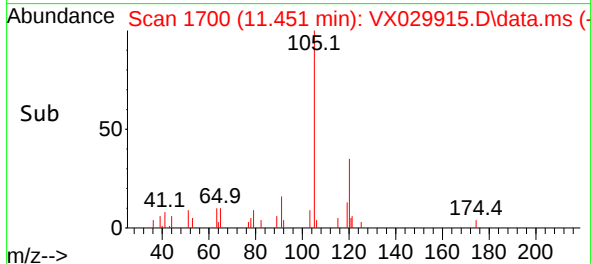
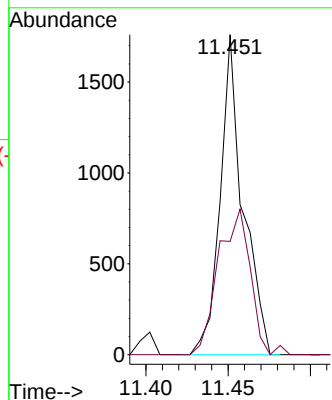
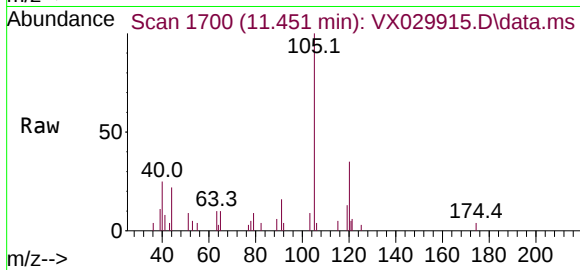
PB145991ZHE#01

Tgt Ion:105 Resp: 1704

Ion Ratio Lower Upper

105 100

120 63.6 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 62.643 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX029915.D

Acq: 05 Jul 2022 13:08

Tgt Ion: 75 Resp: 65038

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.1 34.8 52.2#

