

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029282.D
 Acq On : 07 Jun 2022 16:41
 Operator : JC/MD
 Sample : PB145355TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355TB

Quant Time: Jun 08 01:25:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

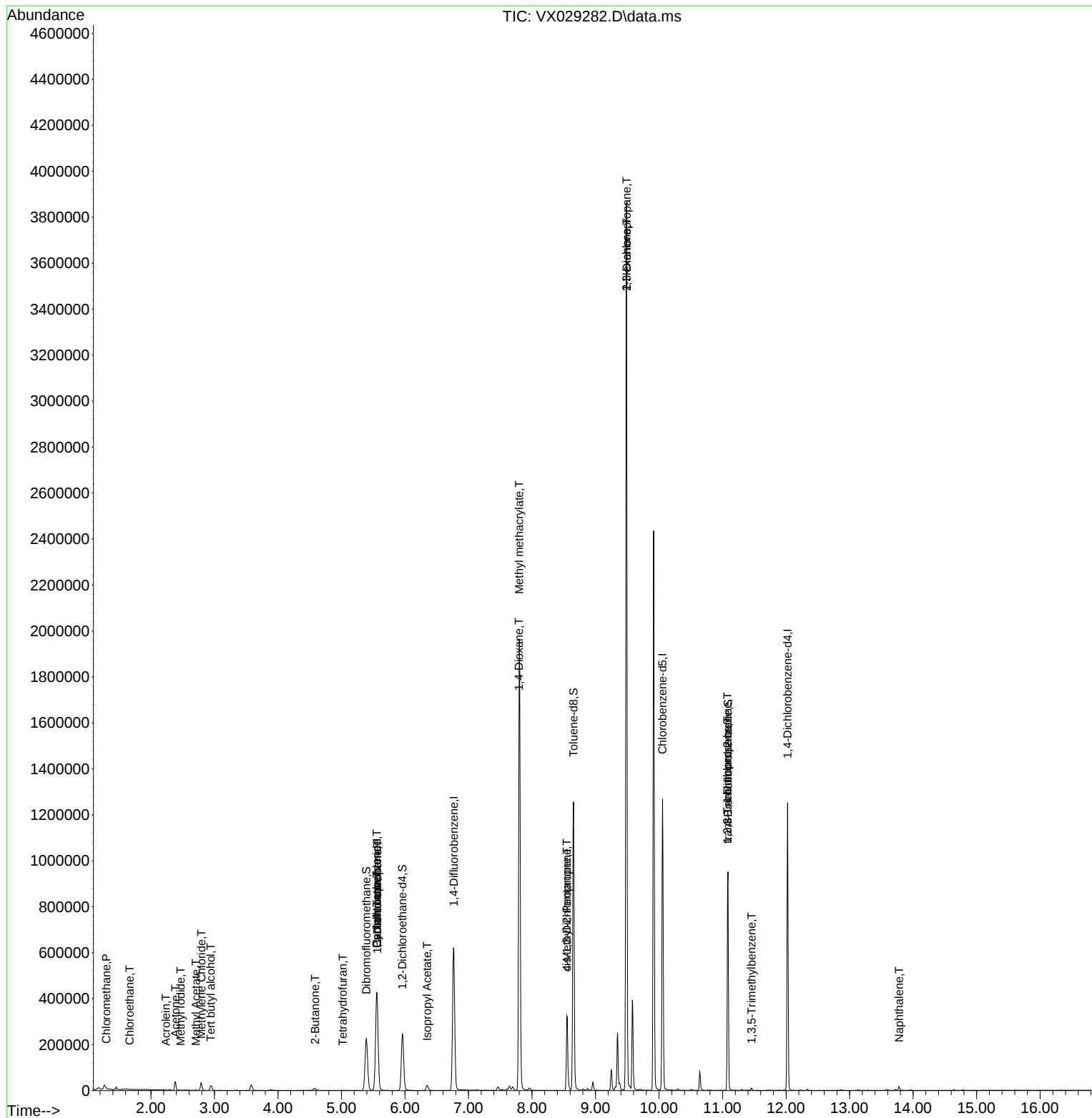
Internal Standards						
1) Pentafluorobenzene	5.556	168	395104	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	655040	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	583314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	245819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	239512	53.758	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 107.520%		
35) Dibromofluoromethane	5.391	113	200359	46.050	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 92.100%		
50) Toluene-d8	8.653	98	759250	47.712	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 95.420%		
62) 4-Bromofluorobenzene	11.085	95	266505	43.325	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 86.660%		
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	1224	0.341	ug/l	# 77
5) Bromomethane	1.575	94	66	Below Cal	#	3
6) Chloroethane	1.666	64	549	1.559	ug/l	# 43
10) Methyl Iodide	2.465	142	1632	4.562	ug/l	# 82
11) Tert butyl alcohol	2.940	59	12653	12.259	ug/l	# 74
13) Acrolein	2.233	56	427	0.913	ug/l	92
16) Acetone	2.386	43	40382	23.017	ug/l	91
18) Methyl Acetate	2.709	43	2585	0.570	ug/l	90
20) Methylene Chloride	2.794	84	15812	3.866	ug/l	95
25) 2-Butanone	4.586	43	5422	1.916	ug/l	95
29) Tetrahydrofuran	5.019	42	389	0.214	ug/l	# 74
31) Cyclohexane	5.556	56	8638	1.491	ug/l	# 21
36) 1,1-Dichloropropene	5.562	75	31554	5.636	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	42611	6.660	ug/l	# 15
43) Isopropyl Acetate	6.348	43	30393	3.581	ug/l	97
44) Trichloroethene	7.123	130	313	Below Cal		66
48) Methyl methacrylate	7.799	41	160279	38.819	ug/l	# 31
49) 1,4-Dioxane	7.793	88	158	1.251	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	108132	19.153	ug/l	# 46
54) cis-1,3-Dichloropropene	8.549	75	55892	8.100	ug/l	# 67
57) 1,3-Dichloropropane	9.488	76	36776	5.006	ug/l	# 43
59) 2-Hexanone	9.488	43	428108	97.439	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	132337	26.557	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	3746	0.265	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	132337	77.912	ug/l	# 15
94) Hexachlorobutadiene	13.731	225	695	Below Cal		83
95) Naphthalene	13.780	128	12138	0.744	ug/l	99

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

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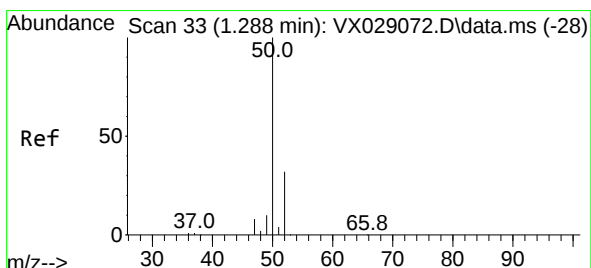
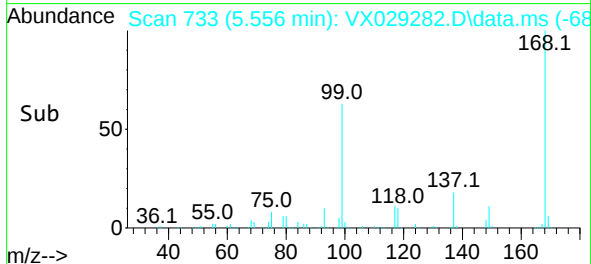
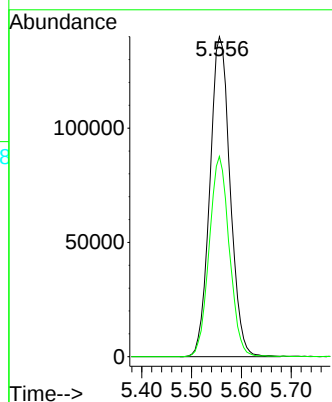
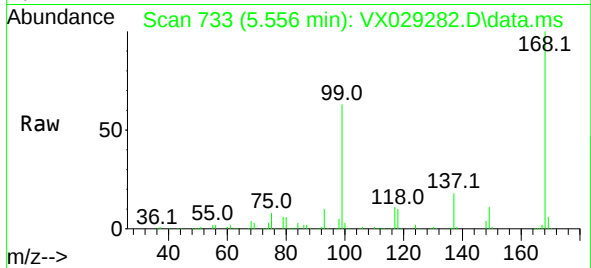




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

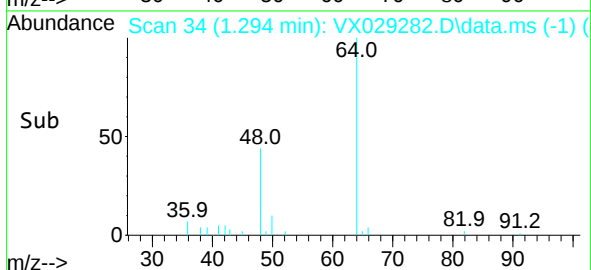
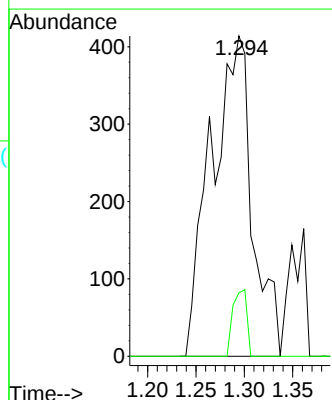
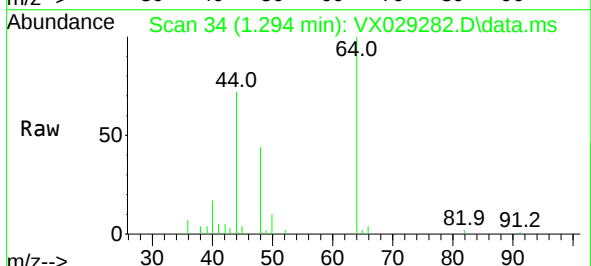
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

Tgt Ion:168 Resp: 395104
Ion Ratio Lower Upper
168 100
99 62.6 41.7 62.5#



#3
Chloromethane
Concen: 0.341 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 50 Resp: 1224
Ion Ratio Lower Upper
50 100
52 19.8 26.4 39.6#

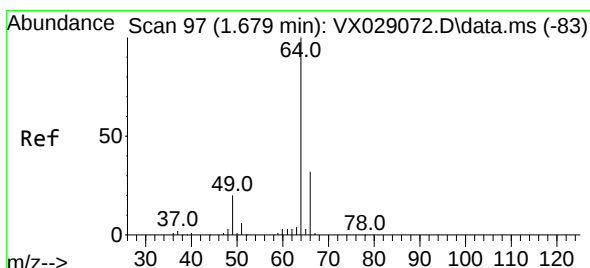
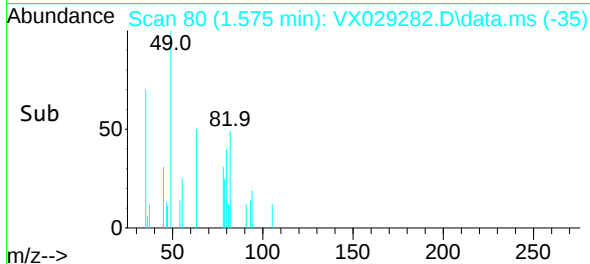
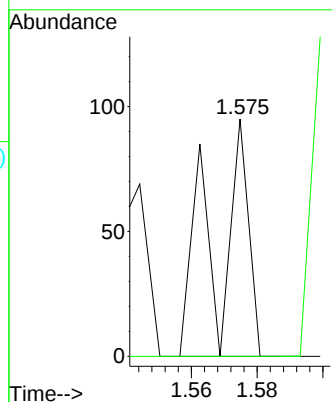
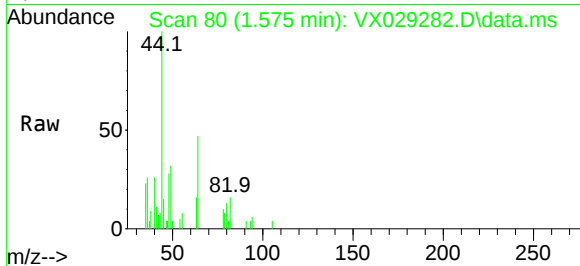




#5
Bromomethane
Concen: Below Cal
RT: 1.575 min Scan# 80
Delta R.T. -0.024 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

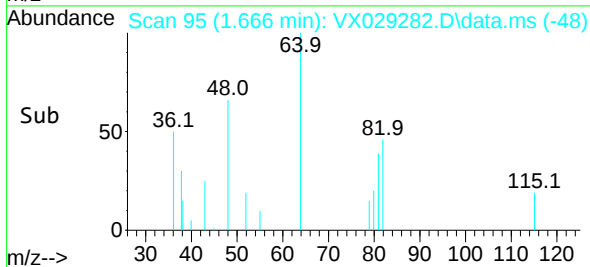
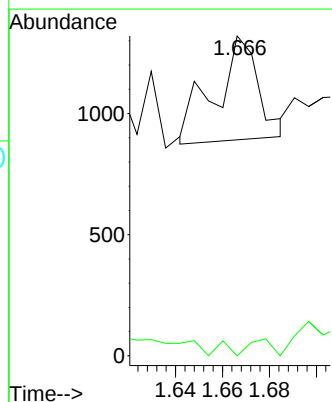
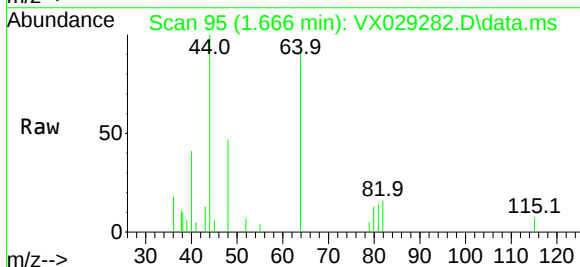
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

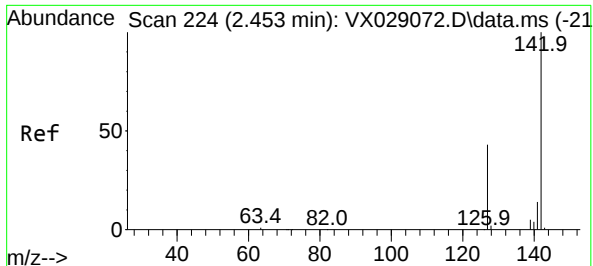
Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#



#6
Chloroethane
Concen: 1.559 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

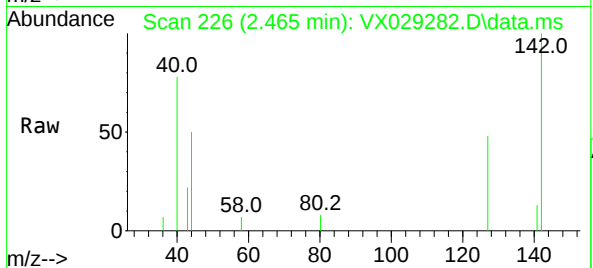
Tgt Ion: 64 Resp: 549
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



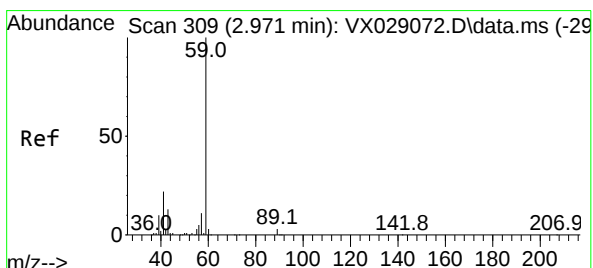
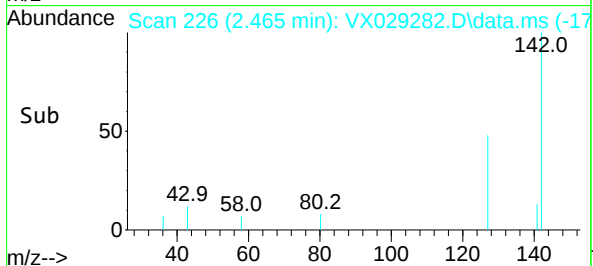
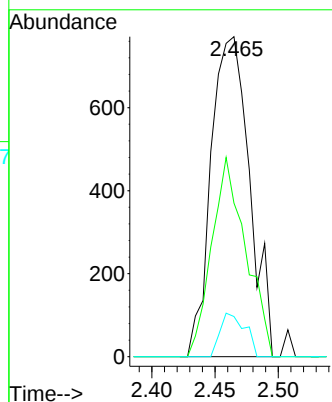


#10
Methyl Iodide
Concen: 4.562 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

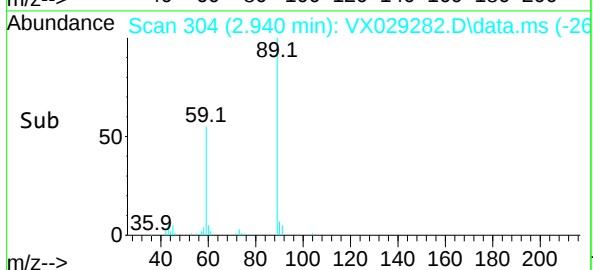
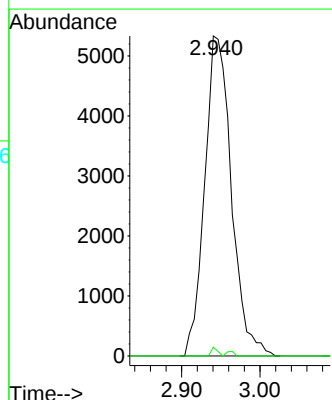
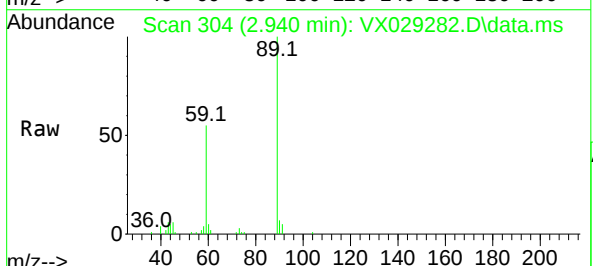


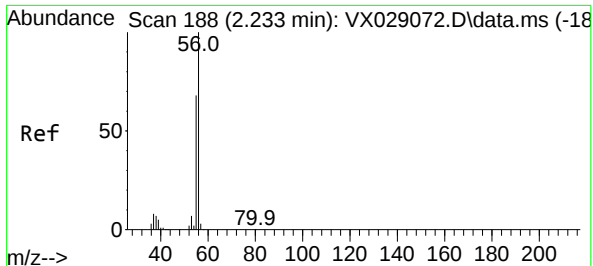
Tgt Ion:142 Resp: 1632
Ion Ratio Lower Upper
142 100
127 55.0 33.9 50.9#
141 8.8 11.4 17.2#



#11
Tert butyl alcohol
Concen: 12.259 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.031 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 59 Resp: 12653
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#

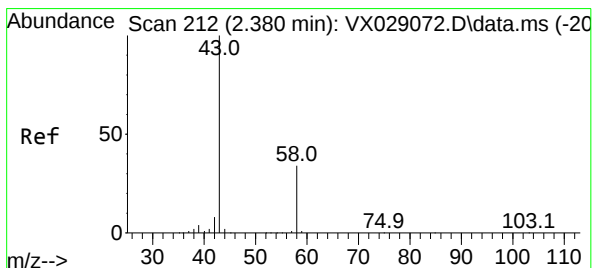
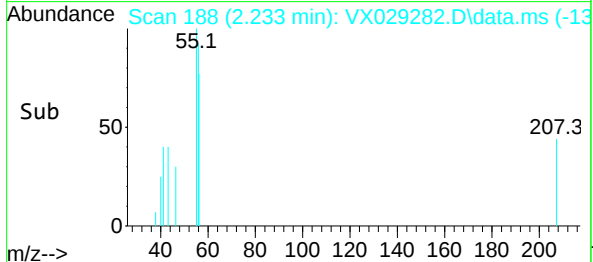
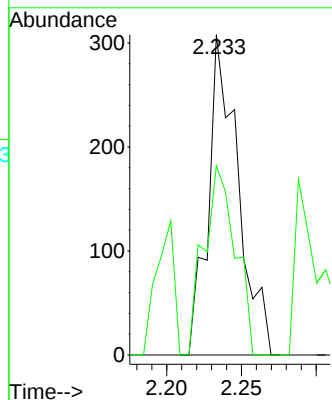
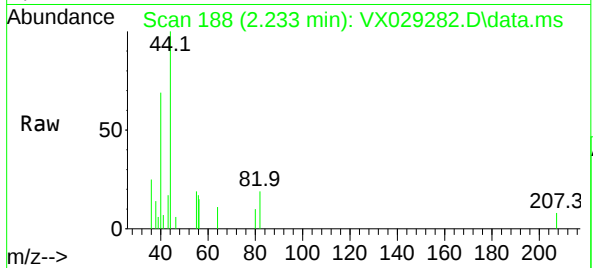




#13
Acrolein
Concen: 0.913 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

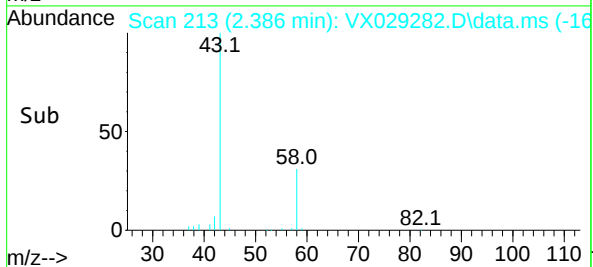
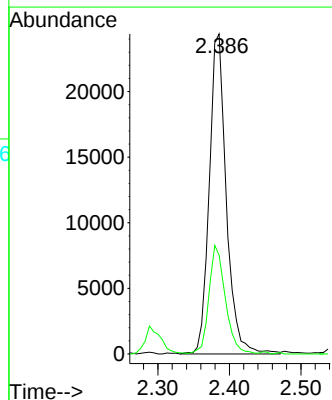
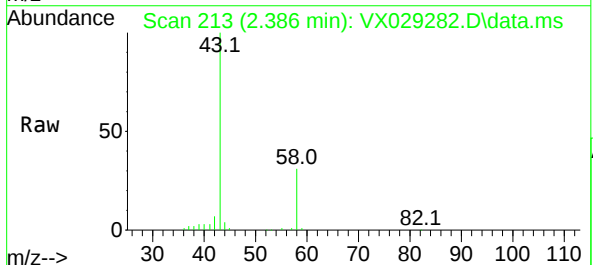
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

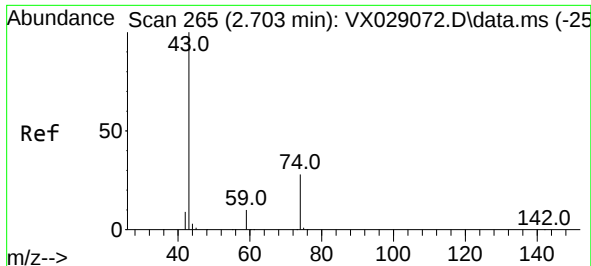
Tgt Ion: 56 Resp: 427
Ion Ratio Lower Upper
56 100
55 62.5 55.0 82.6



#16
Acetone
Concen: 23.017 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 43 Resp: 40382
Ion Ratio Lower Upper
43 100
58 30.6 28.8 43.2

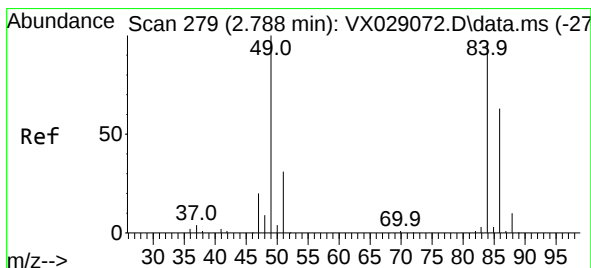
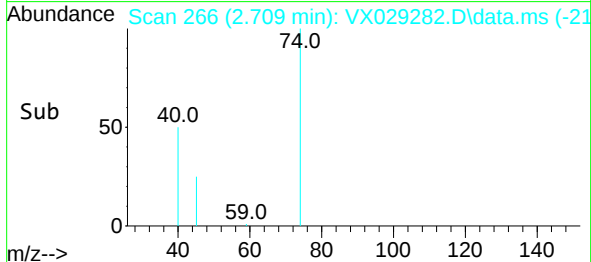
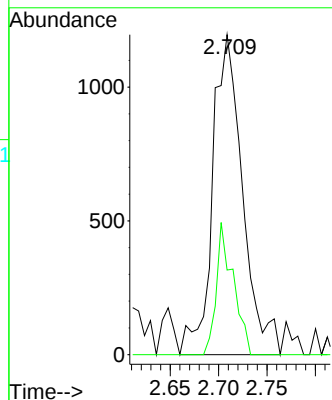
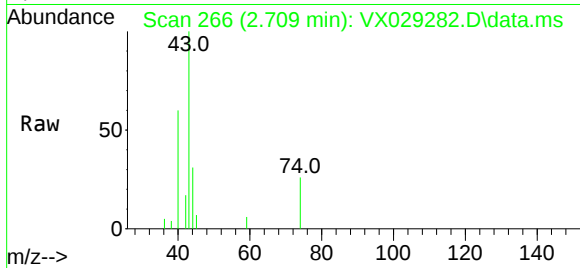




#18
Methyl Acetate
Concen: 0.570 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

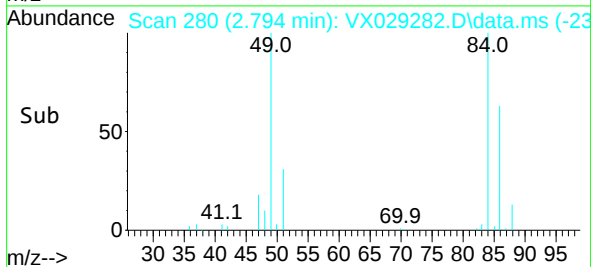
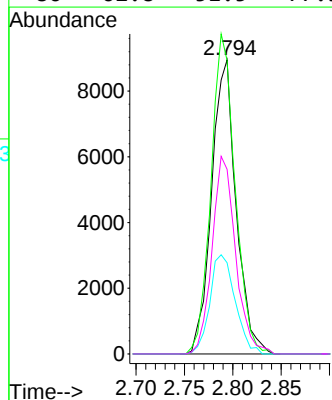
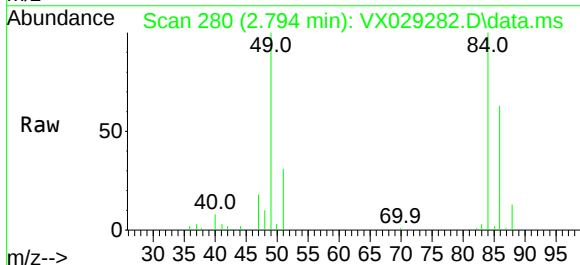
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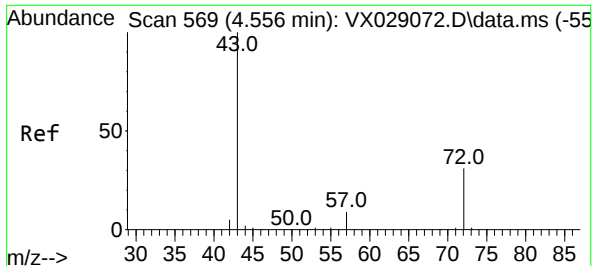
Tgt Ion: 43 Resp: 2585
Ion Ratio Lower Upper
43 100
74 23.2 22.8 34.2



#20
Methylene Chloride
Concen: 3.866 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 84 Resp: 15812
Ion Ratio Lower Upper
84 100
49 99.7 85.5 128.3
51 31.0 26.6 39.8
86 62.8 51.5 77.3





#25

2-Butanone

Concen: 1.916 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX029282.D

Acq: 07 Jun 2022 16:41

Instrument :

MSVOA_X

ClientSampleId :

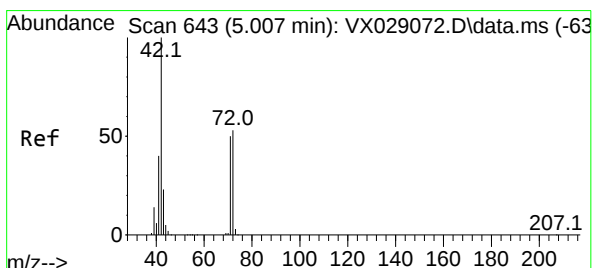
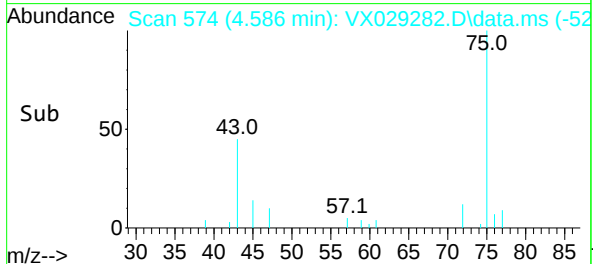
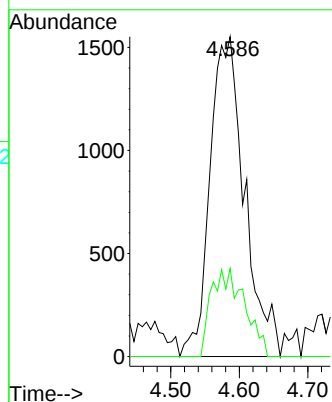
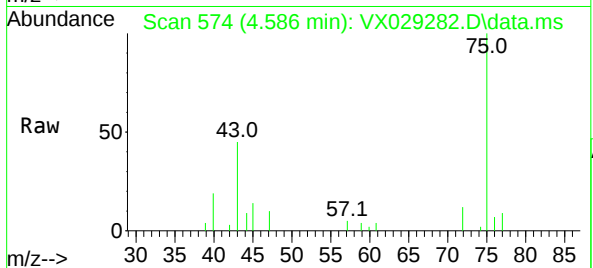
PB145355TB

Tgt Ion: 43 Resp: 5422

Ion Ratio Lower Upper

43 100

72 27.5 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.214 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX029282.D

Acq: 07 Jun 2022 16:41

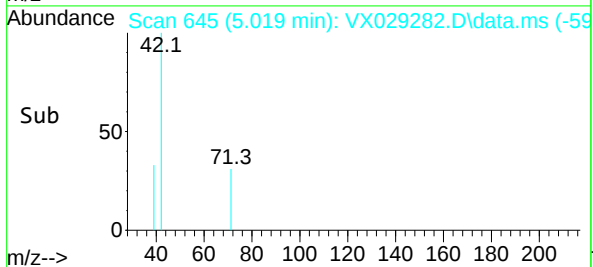
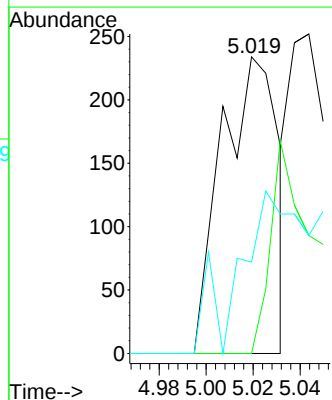
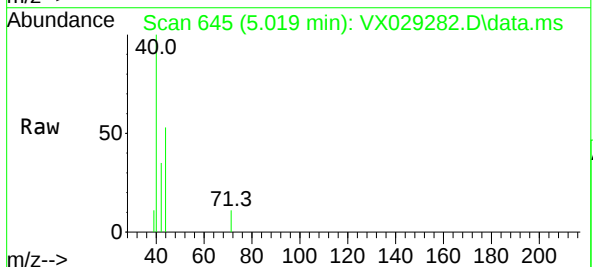
Tgt Ion: 42 Resp: 389

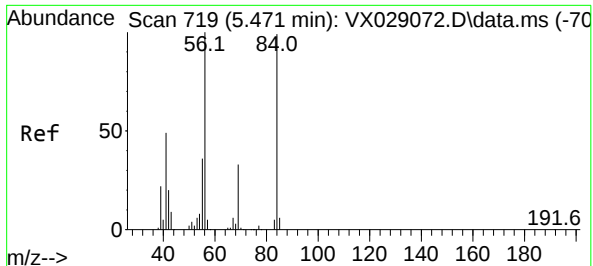
Ion Ratio Lower Upper

42 100

72 57.8 44.1 66.1

71 85.1 40.5 60.7#

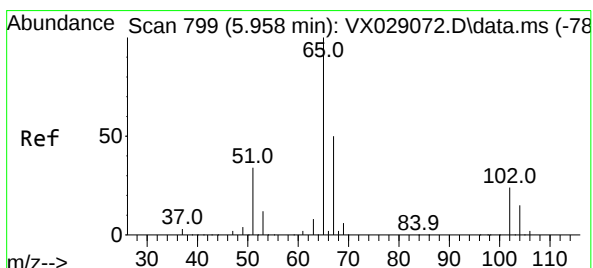
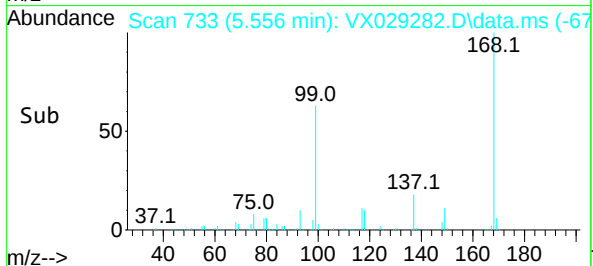
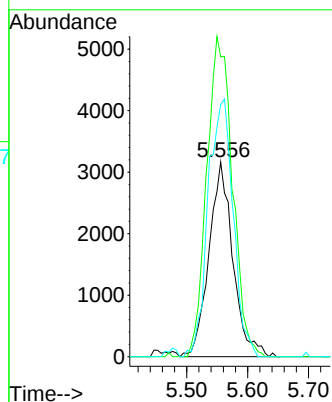
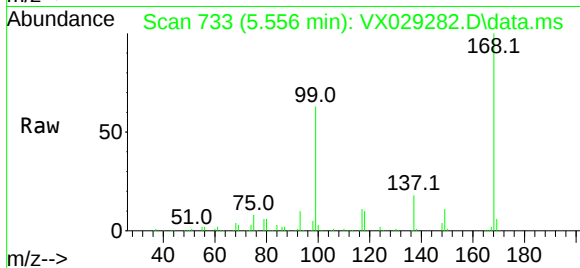




#31
Cyclohexane
Concen: 1.491 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

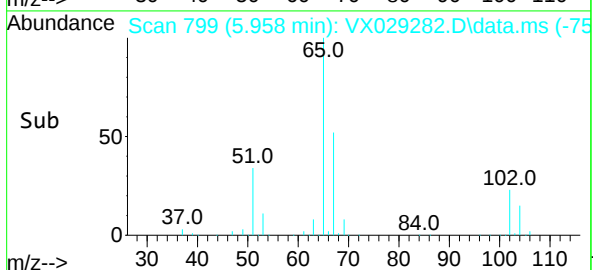
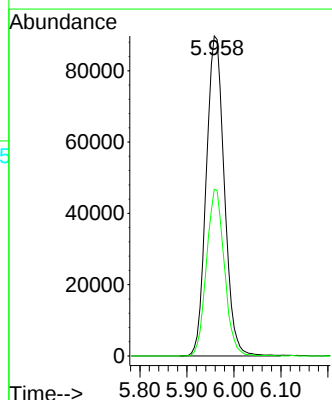
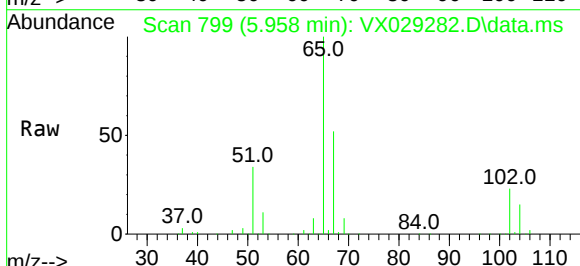
Instrument :
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PB145355TB

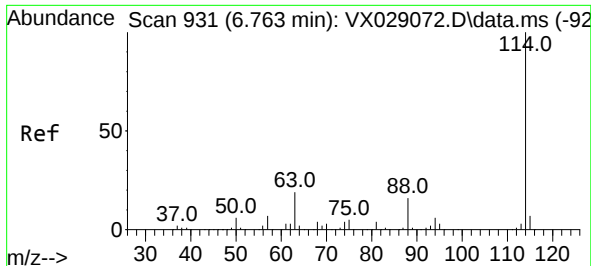
Tgt Ion: 56 Resp: 8638
Ion Ratio Lower Upper
56 100
69 154.0 26.7 40.1#
84 129.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.758 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 65 Resp: 239512
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4

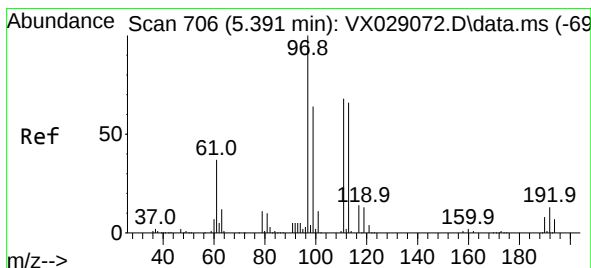
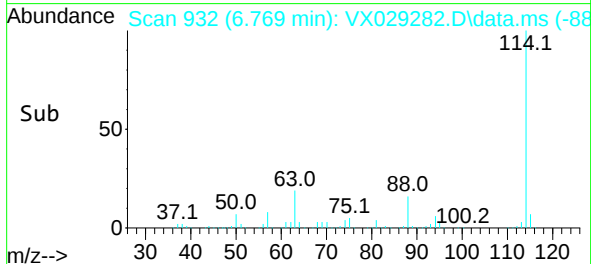
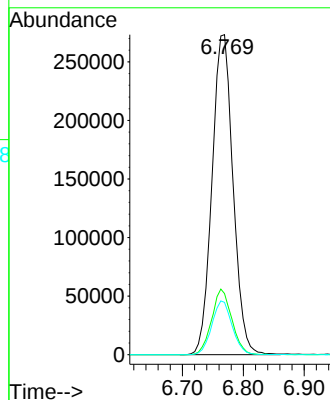
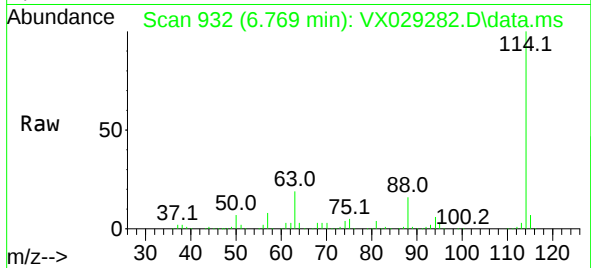




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

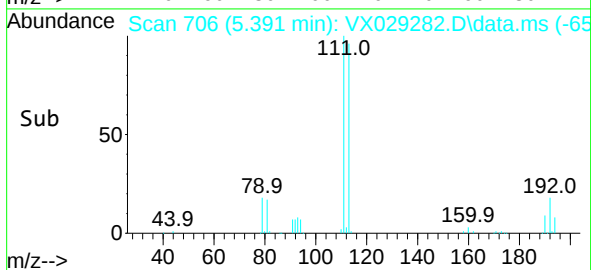
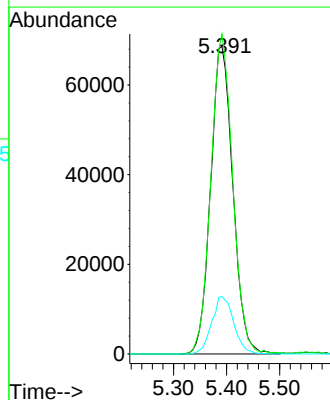
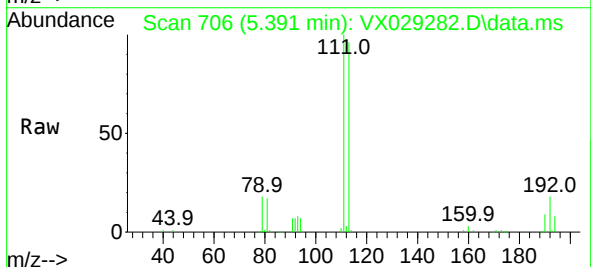
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

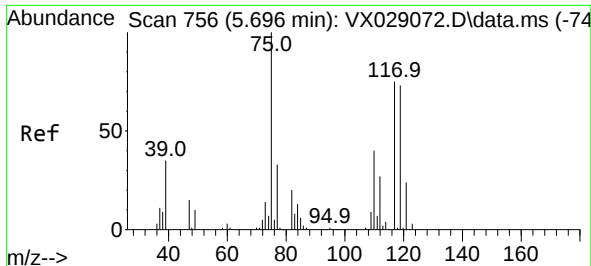
Tgt Ion:114 Resp: 655040
Ion Ratio Lower Upper
114 100
63 19.1 0.0 36.8
88 16.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.050 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion:113 Resp: 200359
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 18.4 16.9 25.3

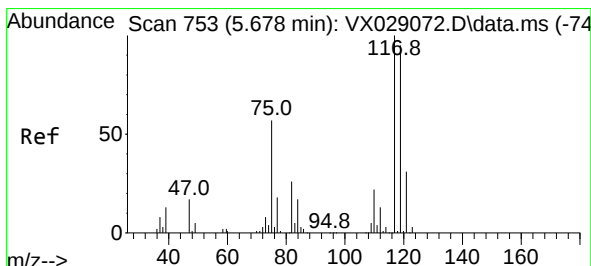
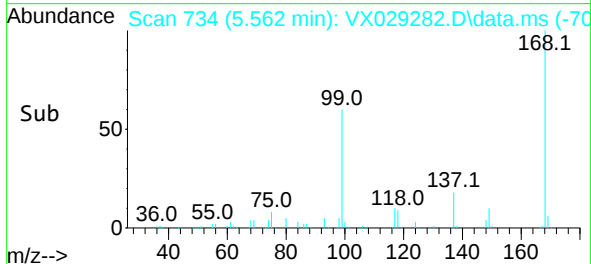
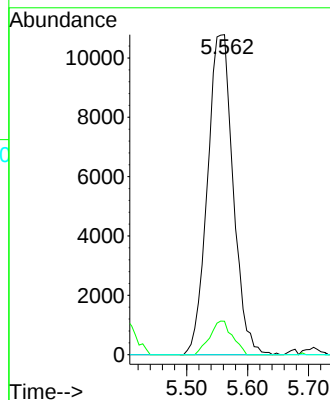
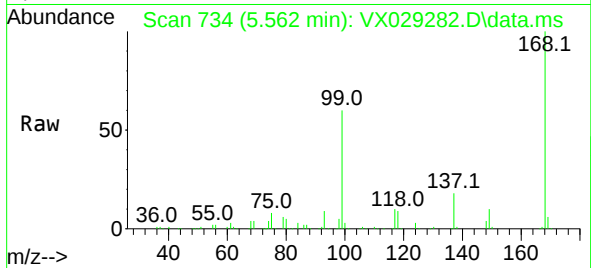




#36
1,1-Dichloropropene
Concen: 5.636 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

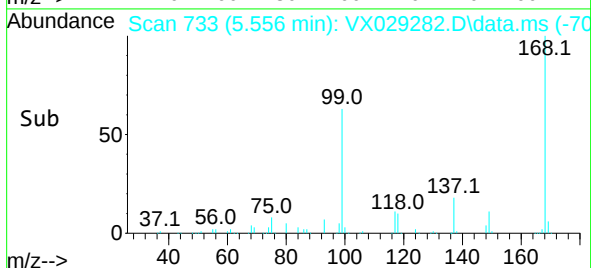
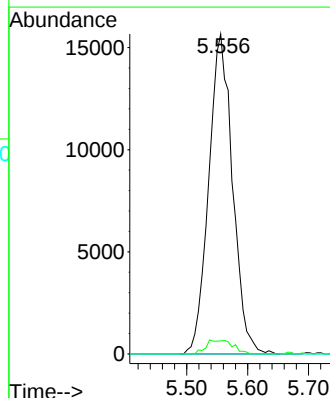
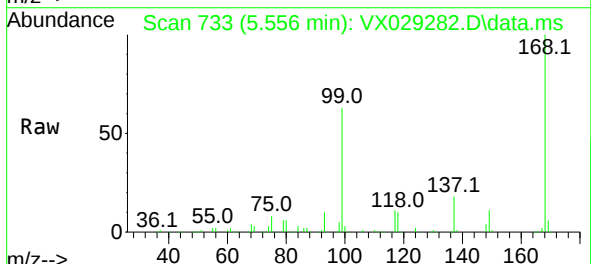
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

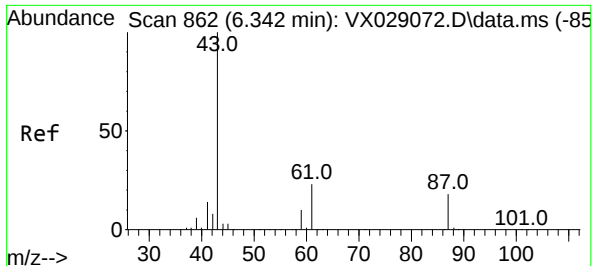
Tgt Ion: 75 Resp: 31554
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.660 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 117 Resp: 42611
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#

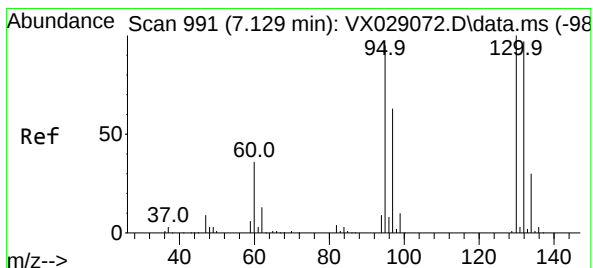
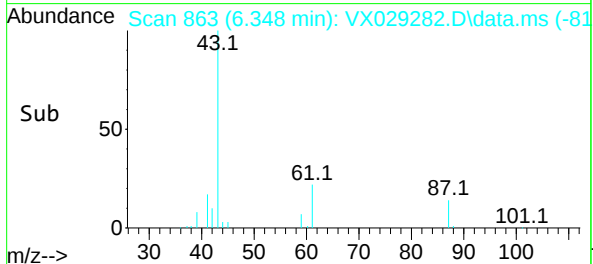
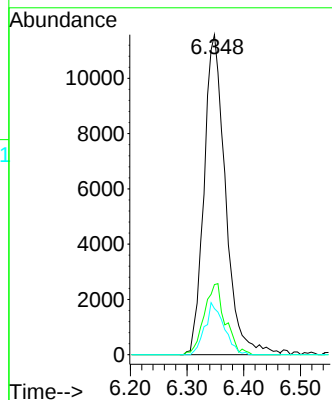
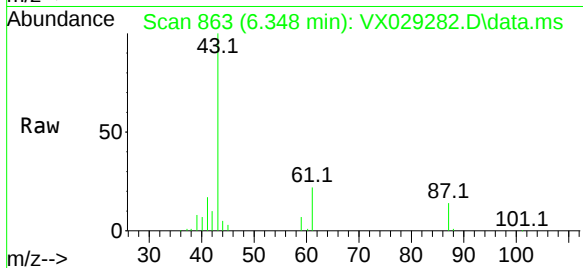




#43
Isopropyl Acetate
Concen: 3.581 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

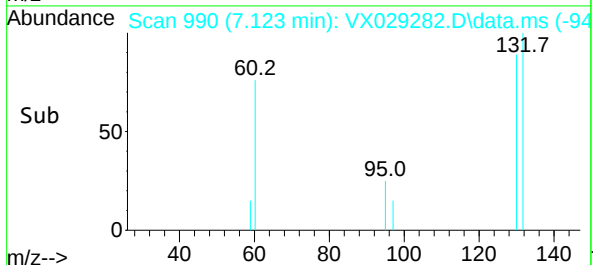
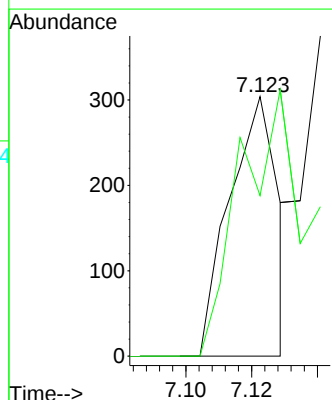
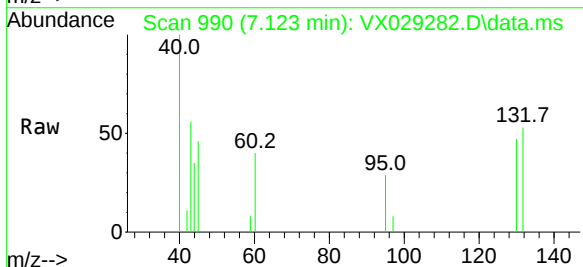
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

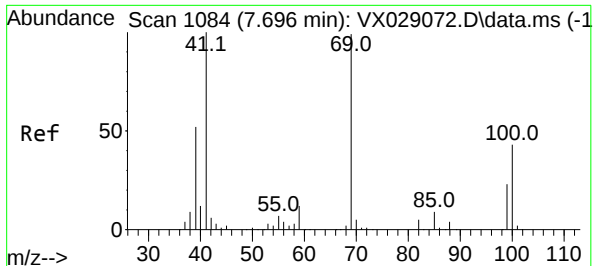
Tgt Ion: 43 Resp: 30393
Ion Ratio Lower Upper
43 100
61 21.9 18.5 27.7
87 14.5 13.0 19.6



#44
Trichloroethene
Concen: Below Cal
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion:130 Resp: 313
Ion Ratio Lower Upper
130 100
95 61.8 0.0 188.8

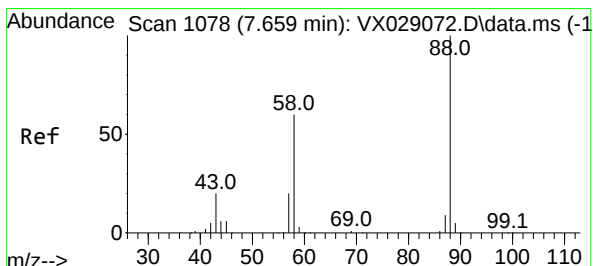
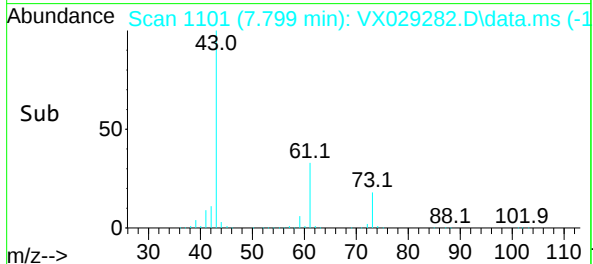
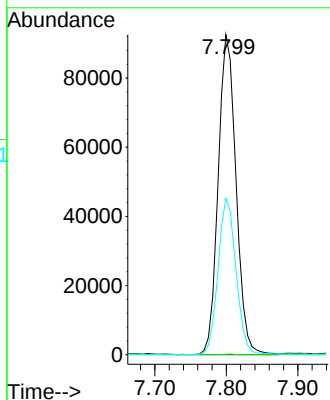
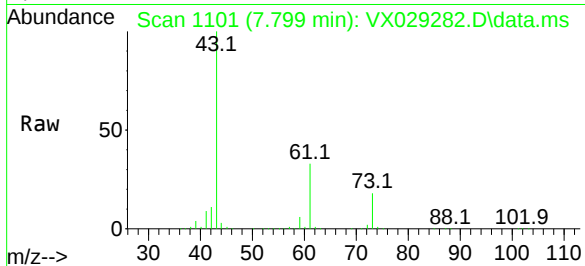




#48
Methyl methacrylate
Concen: 38.819 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

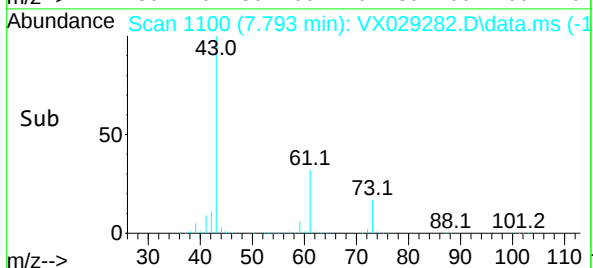
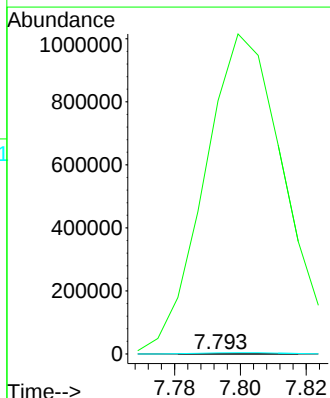
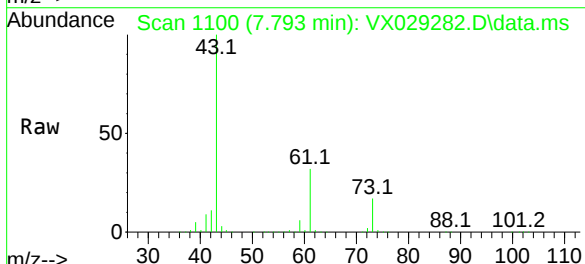
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

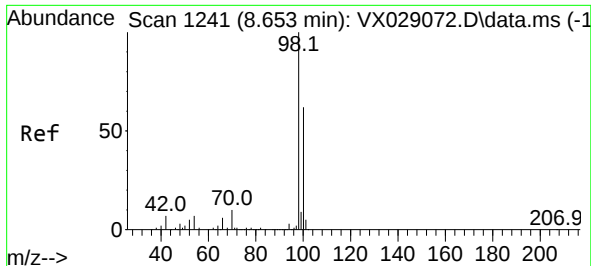
Tgt Ion: 41 Resp: 160279
Ion Ratio Lower Upper
41 100
69 0.1 82.5 123.7#
39 49.0 43.8 65.8



#49
1,4-Dioxane
Concen: 1.251 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 1099555.7 21.9 32.9#
58 4735.4 53.7 80.5#

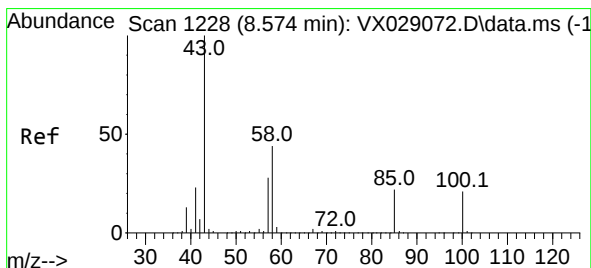
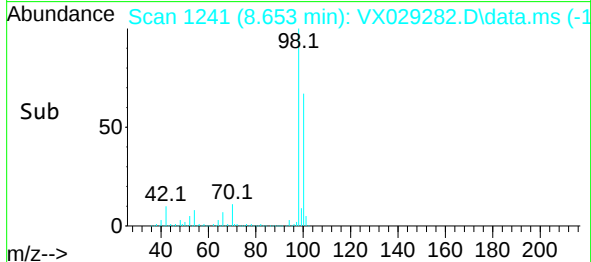
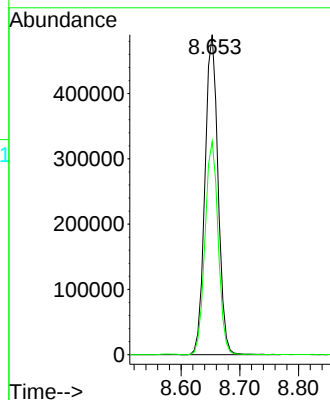
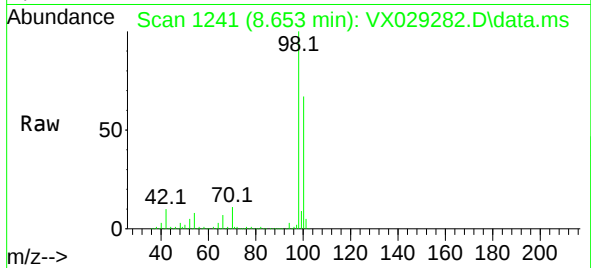




#50
Toluene-d8
Concen: 47.712 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

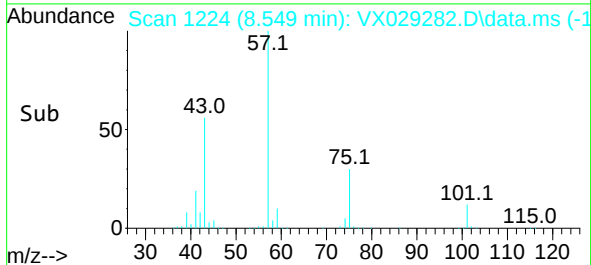
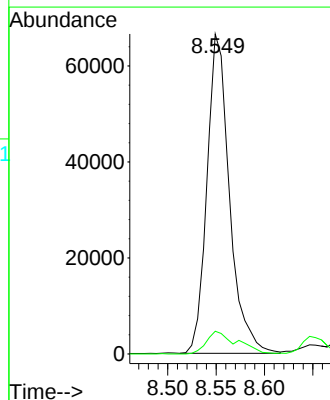
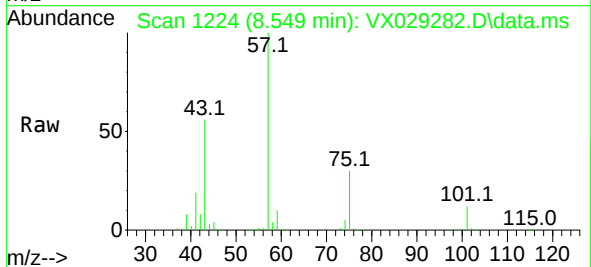
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

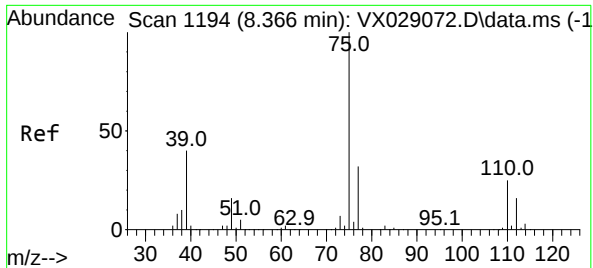
Tgt Ion: 98 Resp: 759250
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 19.153 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 43 Resp: 108132
Ion Ratio Lower Upper
43 100
58 9.7 36.1 54.1#

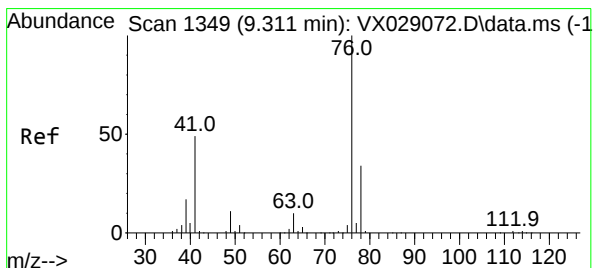
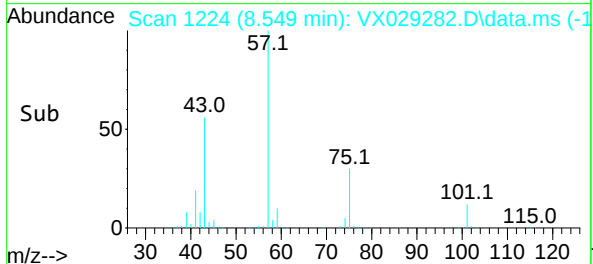
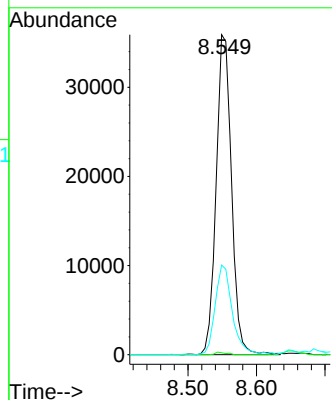
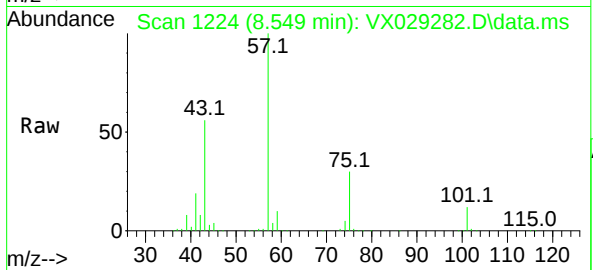




#54
 cis-1,3-Dichloropropene
 Concen: 8.100 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029282.D
 Acq: 07 Jun 2022 16:41

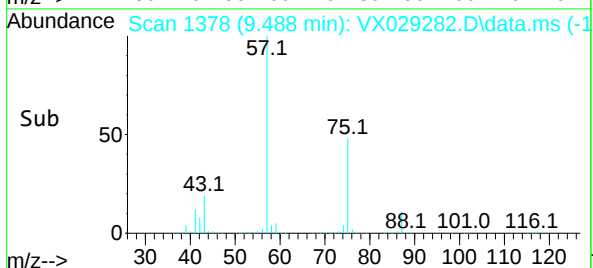
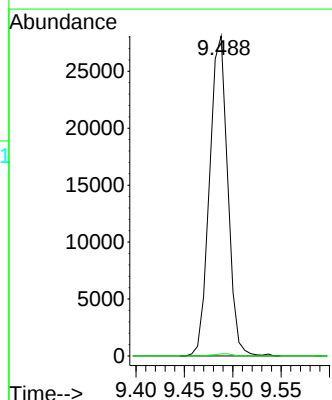
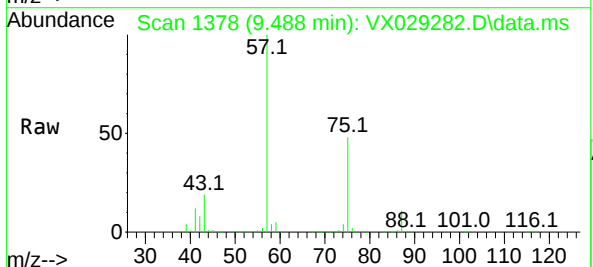
Instrument :
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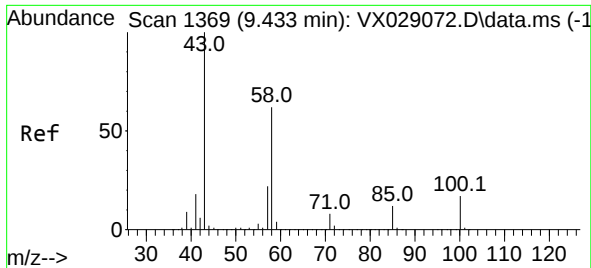
Tgt Ion: 75 Resp: 55892
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 28.0 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 5.006 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX029282.D
 Acq: 07 Jun 2022 16:41

Tgt Ion: 76 Resp: 36776
 Ion Ratio Lower Upper
 76 100
 78 0.7 25.8 38.8#

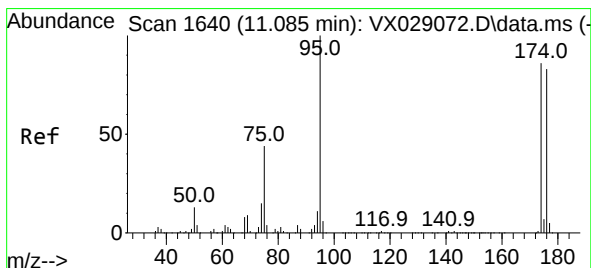
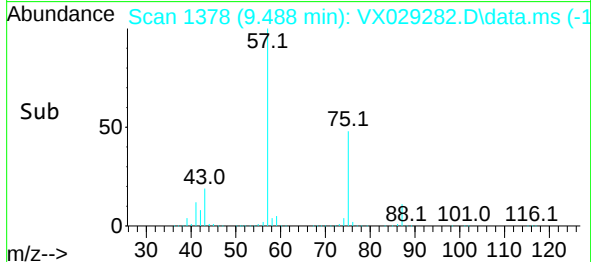
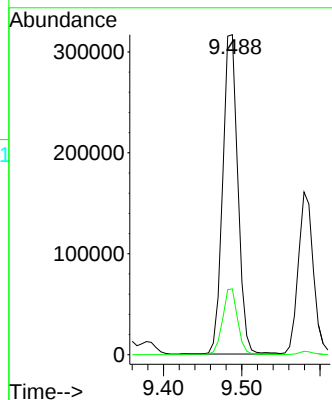
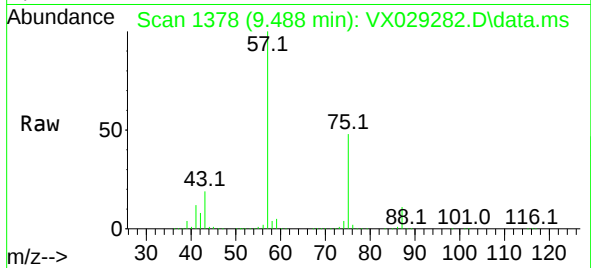




#59
2-Hexanone
Concen: 97.439 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

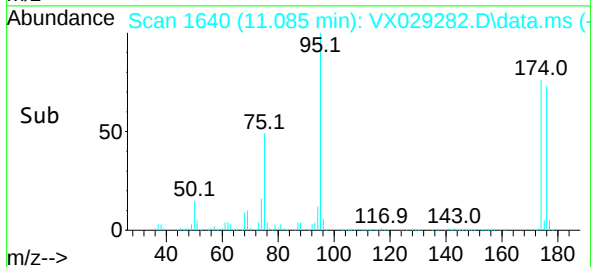
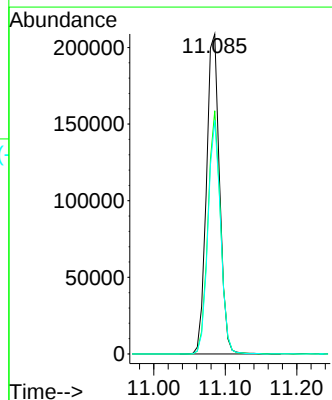
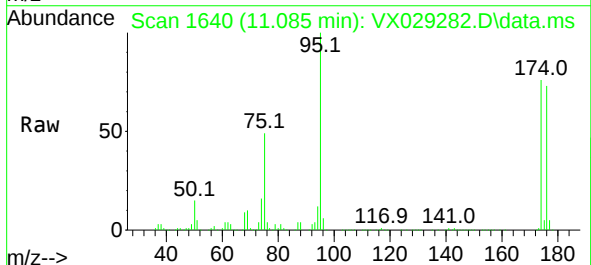
Instrument :
MSVOA_X
ClientSampleId :
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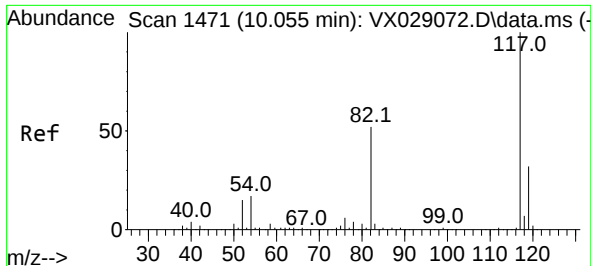
Tgt Ion: 43 Resp: 428108
Ion Ratio Lower Upper
43 100
58 20.3 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 43.325 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 95 Resp: 266505
Ion Ratio Lower Upper
95 100
174 72.7 0.0 163.0
176 70.2 0.0 155.0

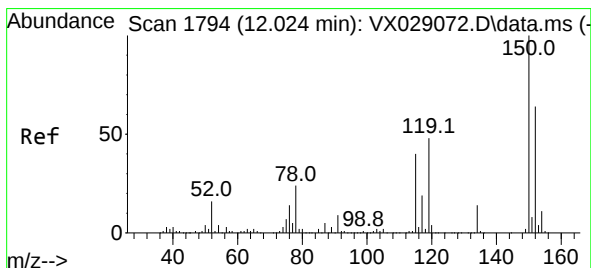
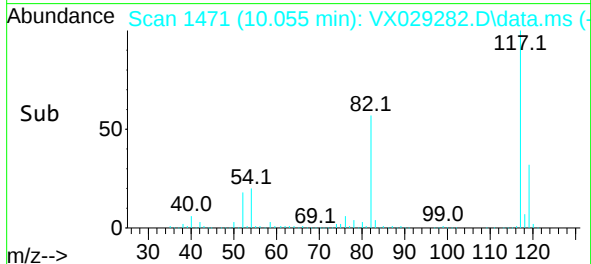
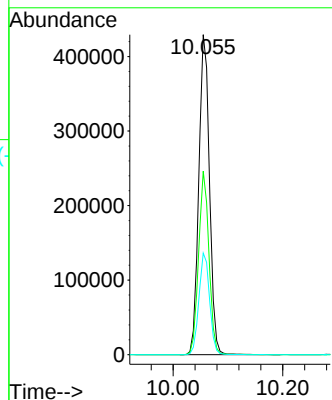
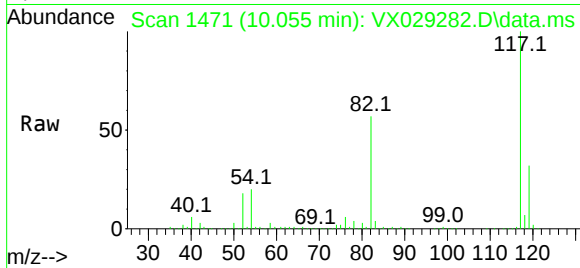




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

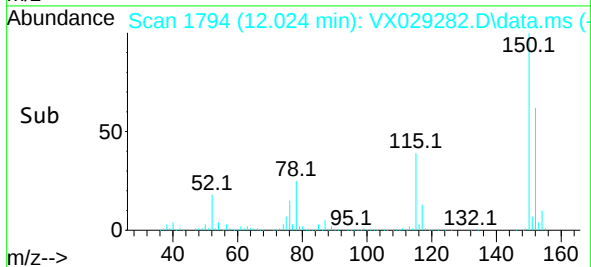
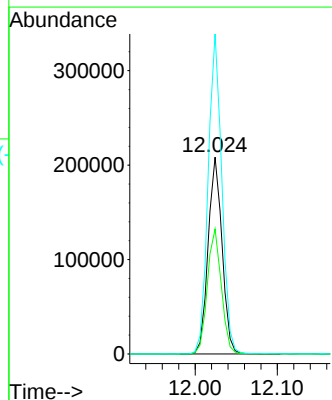
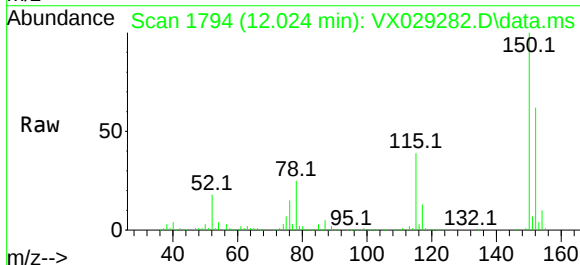
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

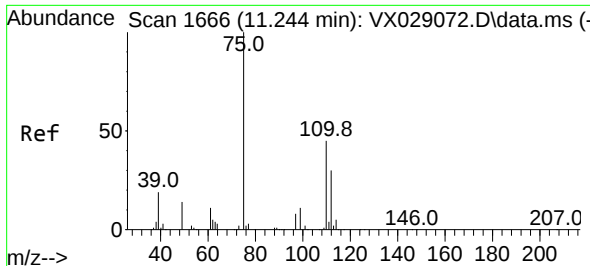
Tgt Ion:117 Resp: 583314
Ion Ratio Lower Upper
117 100
82 57.3 41.8 62.8
119 31.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion:152 Resp: 245819
Ion Ratio Lower Upper
152 100
115 63.4 37.5 112.7
150 159.1 0.0 338.2

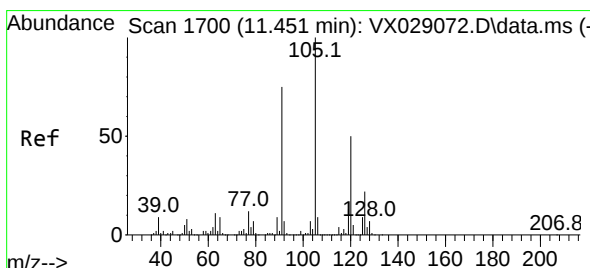
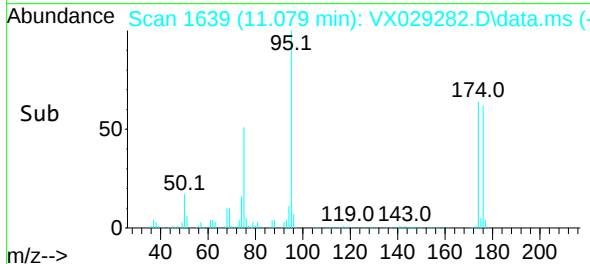
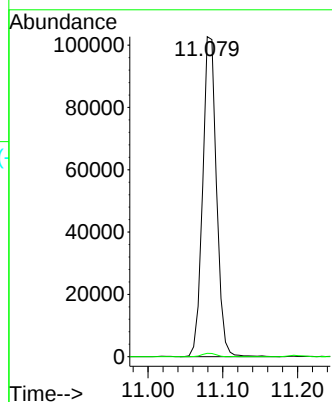
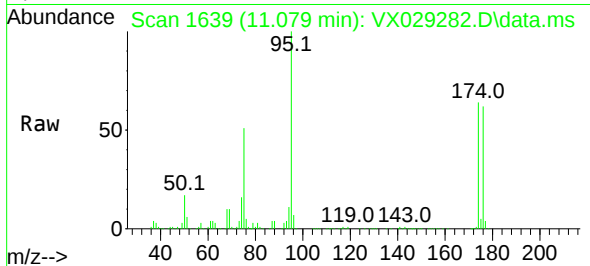




#76
1,2,3-Trichloropropane
Concen: 26.557 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.165 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

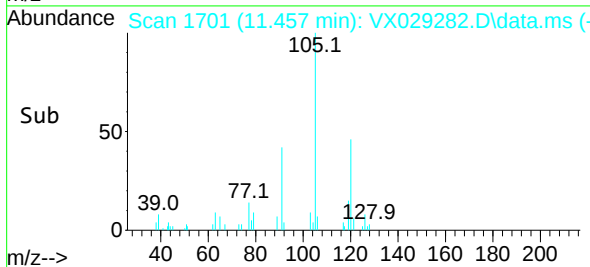
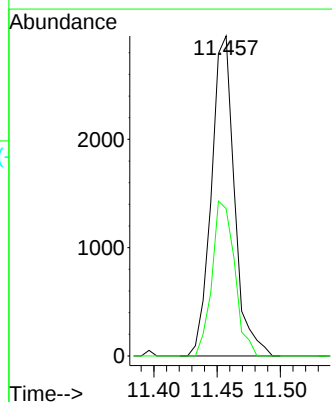
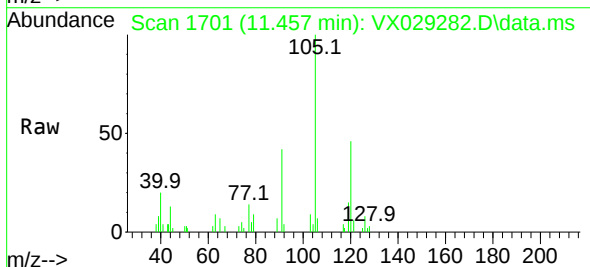
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

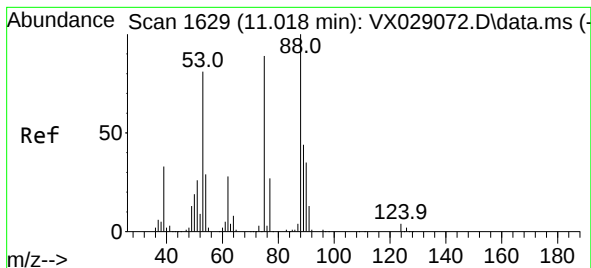
Tgt Ion: 75 Resp: 132337
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.265 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 105 Resp: 3746
Ion Ratio Lower Upper
105 100
120 47.3 24.3 72.9

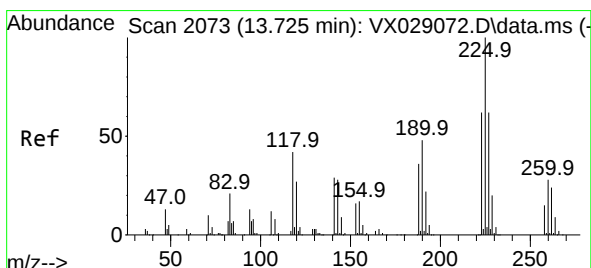
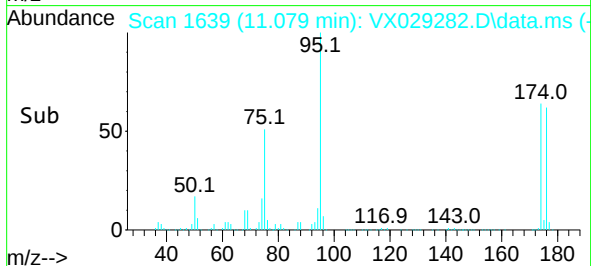
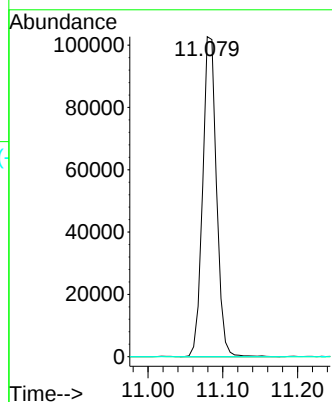
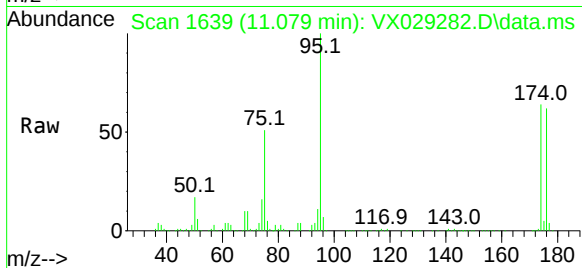




#81
trans-1,4-Dichloro-2-butene
Concen: 77.912 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

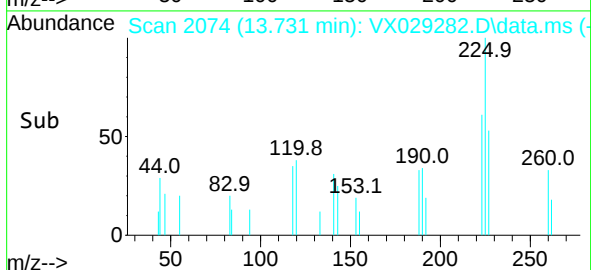
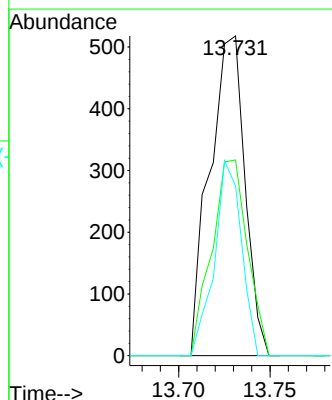
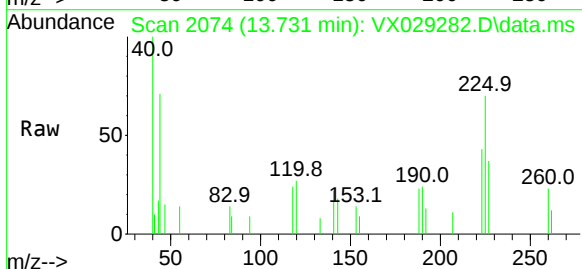
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

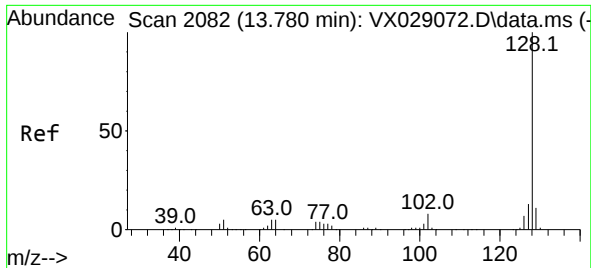
Tgt Ion: 75 Resp: 132337
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX029282.D
Acq: 07 Jun 2022 16:41

Tgt Ion: 225 Resp: 695
Ion Ratio Lower Upper
225 100
223 62.2 34.2 102.5
227 46.9 33.9 101.7





#95

Naphthalene

Concen: 0.744 ug/l

RT: 13.780 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX029282.D

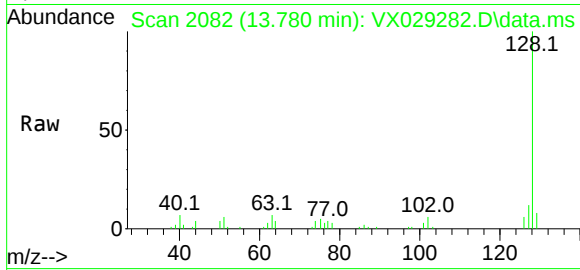
Acq: 07 Jun 2022 16:41

Instrument :

MSVOA_X

ClientSampleId :

PB145355TB



Tgt Ion:128 Resp: 12138

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 11.1 8.7 13.1

