

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029061.D
 Acq On : 28 May 2022 06:45
 Operator : JC/MD
 Sample : PB145106ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145106ZHE#02

Quant Time: May 28 08:40:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

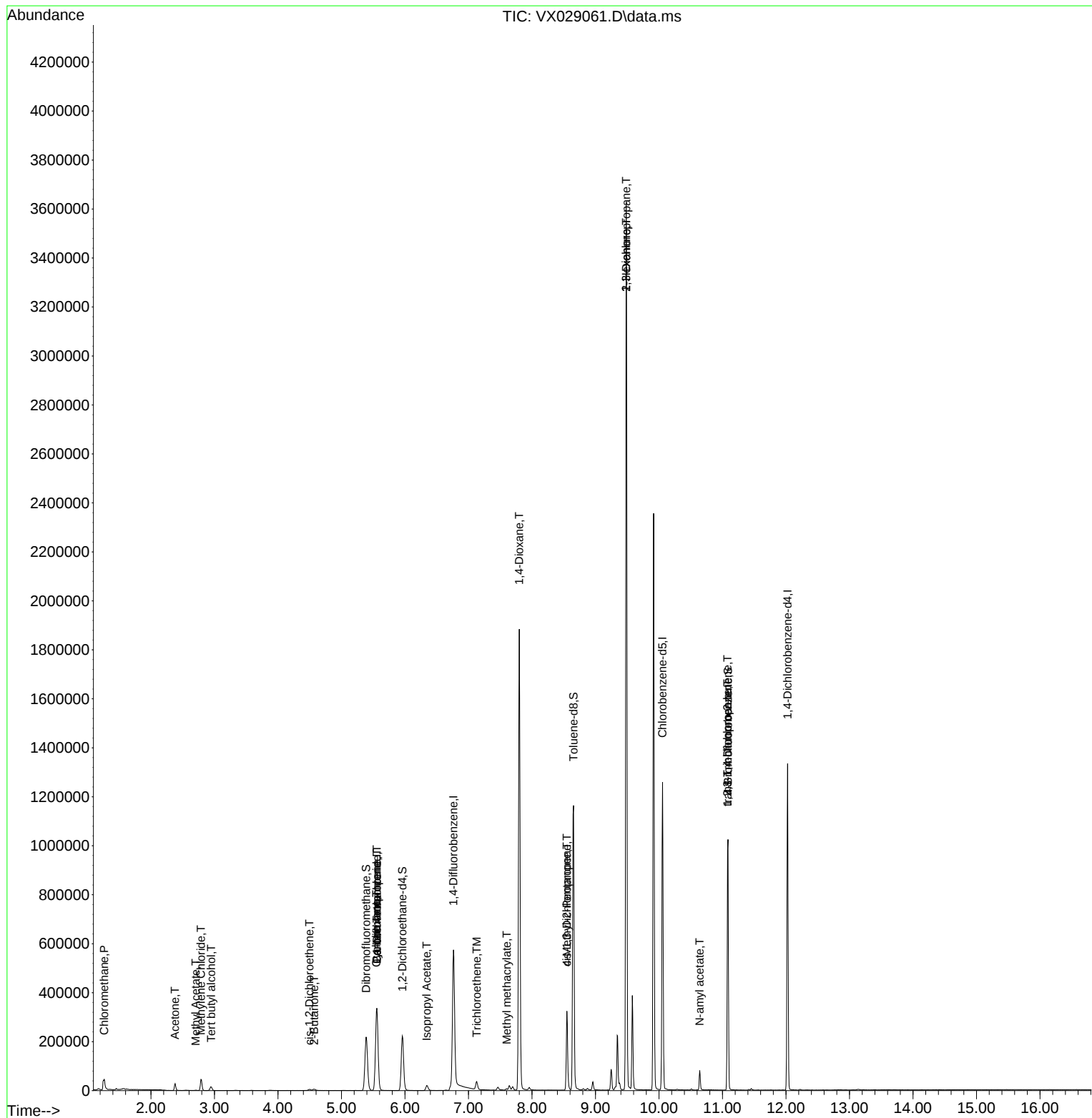
Internal Standards						
1) Pentafluorobenzene	5.556	168	322443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	580342	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	573455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	279761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	218056	49.335	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.660%		
35) Dibromofluoromethane	5.385	113	196020	51.553	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.100%		
50) Toluene-d8	8.653	98	724485	50.538	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.080%		
62) 4-Bromofluorobenzene	11.085	95	287203	53.639	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.280%		
Target Compounds						Qvalue
3) Chloromethane	1.264	50	1385	0.348	ug/l #	42
5) Bromomethane	1.618	94	932	Below Cal		89
6) Chloroethane	1.709	64	542	Below Cal #		83
11) Tert butyl alcohol	2.947	59	8495	1.113	ug/l #	75
16) Acetone	2.380	43	27850	14.682	ug/l	99
18) Methyl Acetate	2.703	43	2112	0.445	ug/l #	87
20) Methylene Chloride	2.788	84	21597	5.427	ug/l	97
25) 2-Butanone	4.568	43	5487	1.843	ug/l	89
27) cis-1,2-Dichloroethene	4.495	96	3658	0.833	ug/l	99
31) Cyclohexane	5.550	56	5747	0.937	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24187	4.235	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32803	5.707	ug/l #	15
43) Isopropyl Acetate	6.342	43	27800	2.979	ug/l	97
44) Trichloroethene	7.129	130	12207	2.742	ug/l	91
48) Methyl methacrylate	7.604	41	7767	1.723	ug/l #	7
49) 1,4-Dioxane	7.799	88	286	2.540	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	101629	16.533	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	54484	8.528	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	34241	4.715	ug/l #	43
59) 2-Hexanone	9.482	43	396056	82.931	ug/l #	45
74) N-amyl acetate	10.640	43	17570	2.107	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	139434	21.282	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	139434	62.445	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
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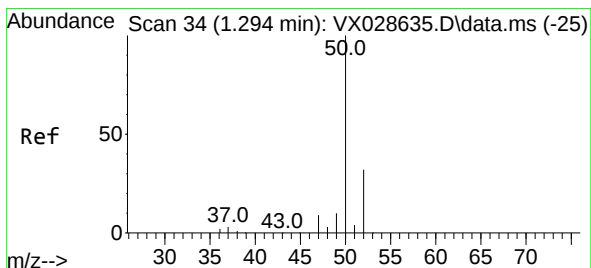
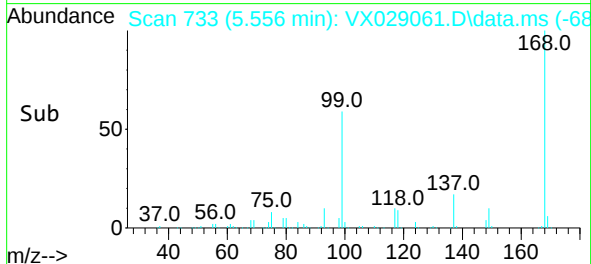
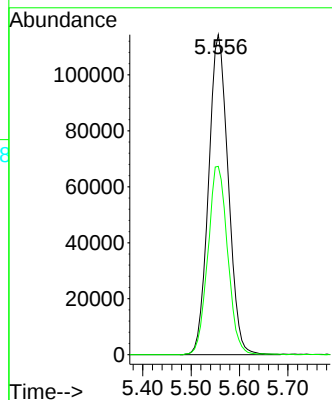
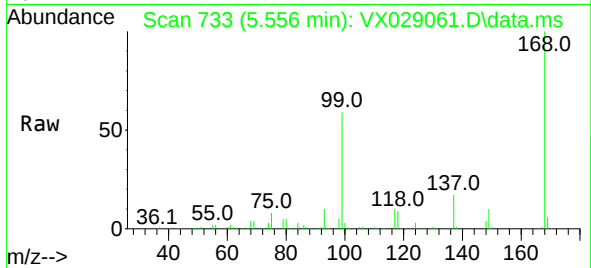




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

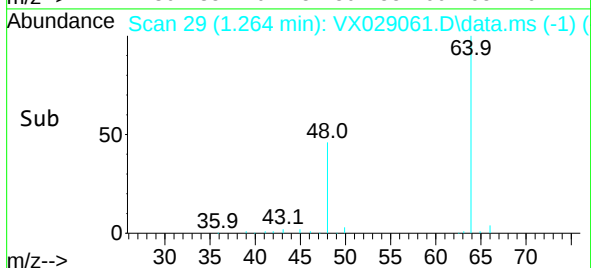
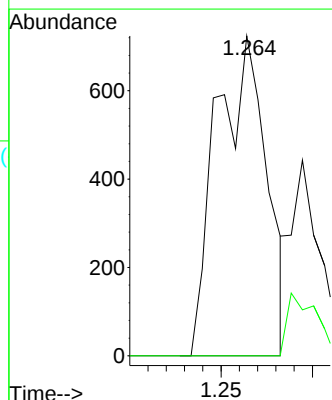
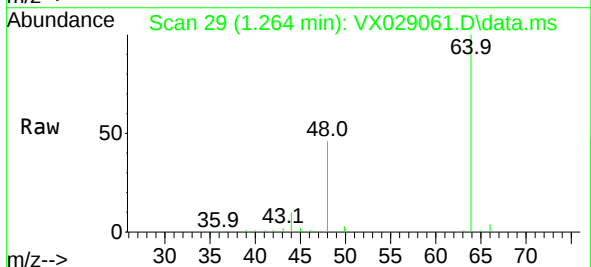
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

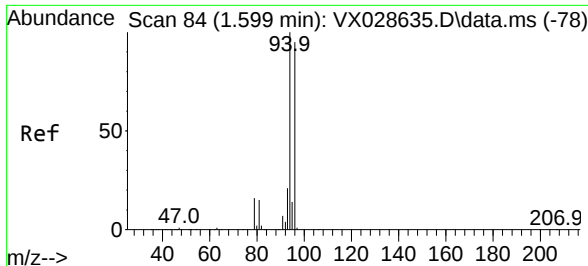
Tgt Ion:168 Resp: 322443
Ion Ratio Lower Upper
168 100
99 58.8 41.7 62.5



#3
Chloromethane
Concen: 0.348 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.030 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion: 50 Resp: 1385
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

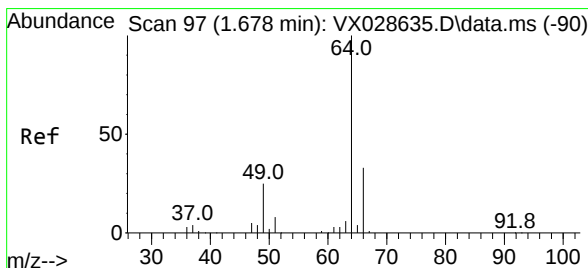
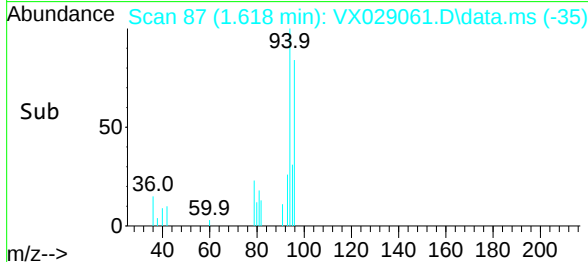
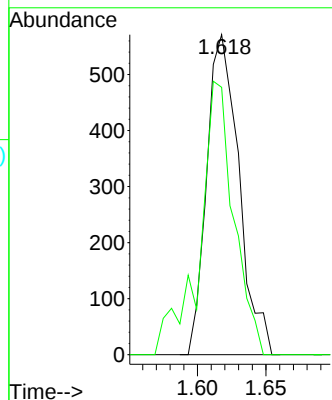
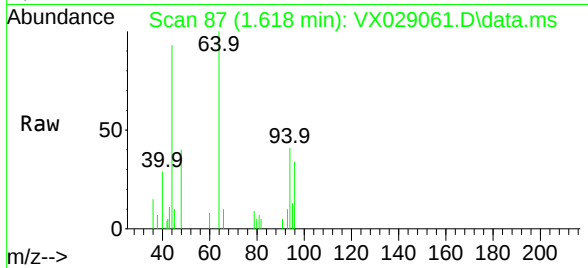




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

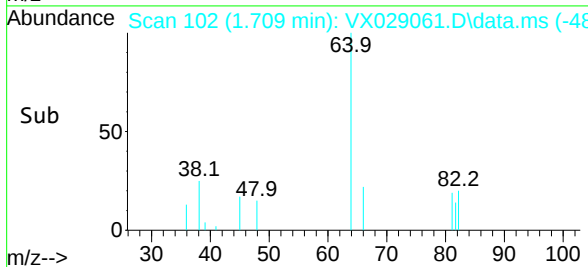
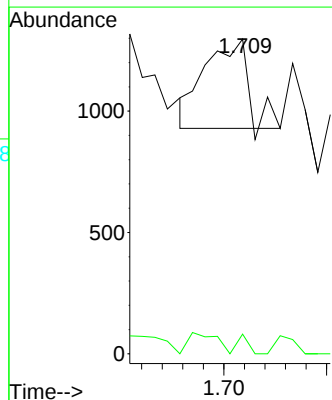
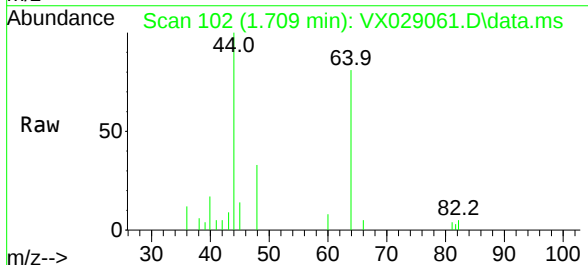
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

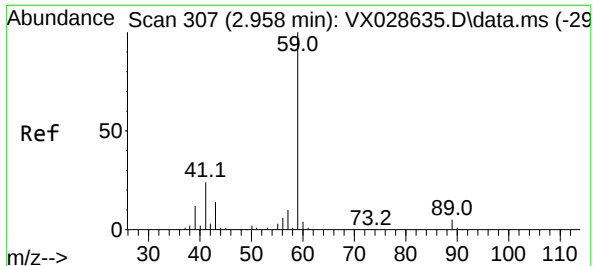
Tgt Ion: 94 Resp: 932
Ion Ratio Lower Upper
94 100
96 83.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. 0.031 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion: 64 Resp: 542
Ion Ratio Lower Upper
64 100
66 22.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: 1.113 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.011 min

Lab File: VX029061.D

Acq: 28 May 2022 06:45

Instrument :

MSVOA_X

ClientSampleId :

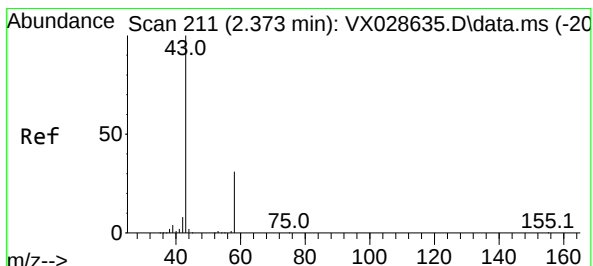
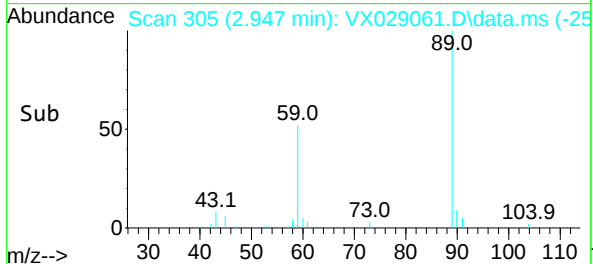
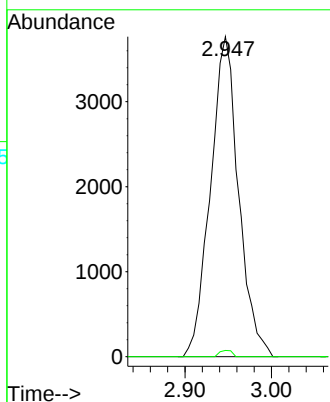
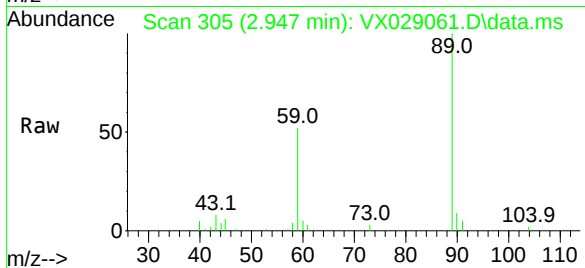
PB145106ZHE#02

Tgt Ion: 59 Resp: 8495

Ion Ratio Lower Upper

59 100

57 0.9 8.3 12.5#



#16

Acetone

Concen: 14.682 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX029061.D

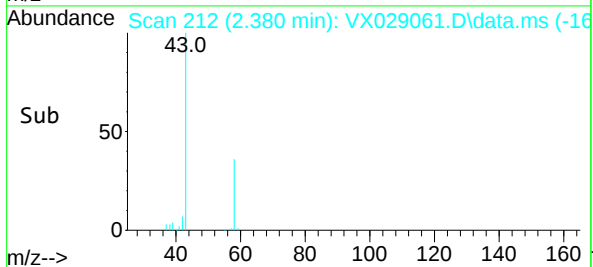
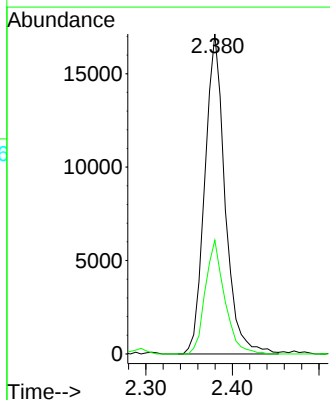
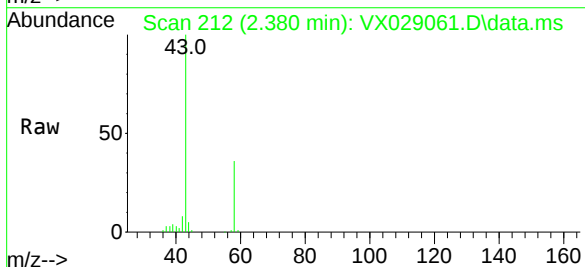
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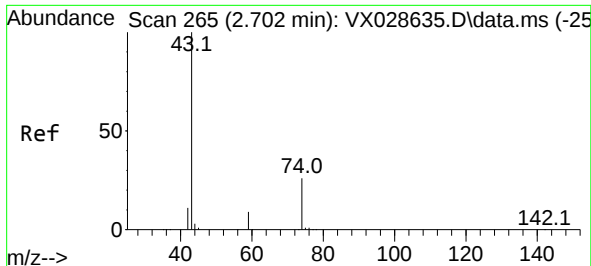
Tgt Ion: 43 Resp: 27850

Ion Ratio Lower Upper

43 100

58 35.6 28.8 43.2

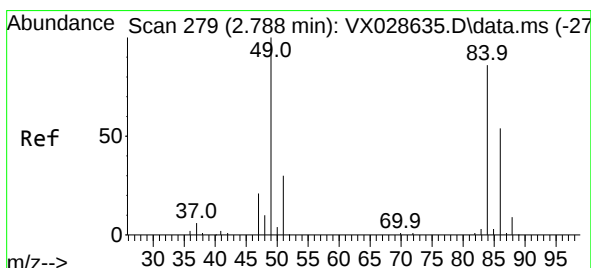
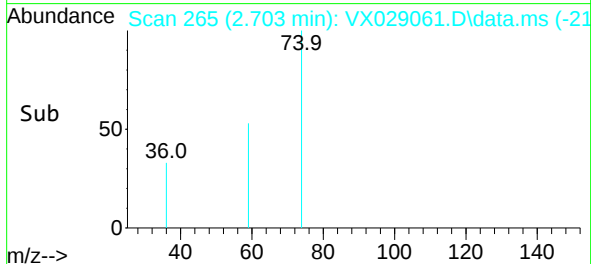
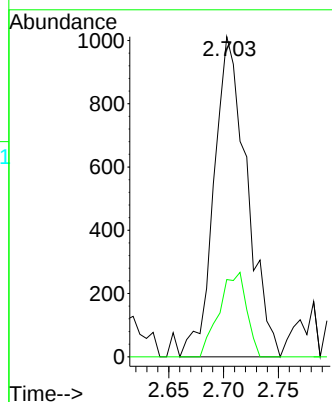
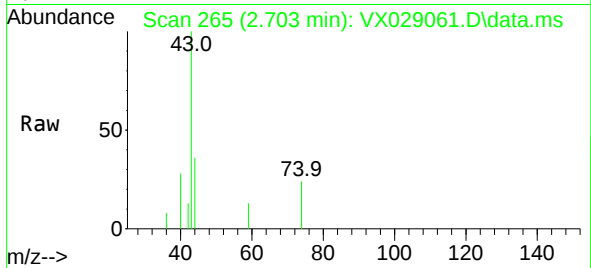




#18
Methyl Acetate
Concen: 0.445 ug/l
RT: 2.703 min Scan# 2112
Delta R.T. 0.001 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

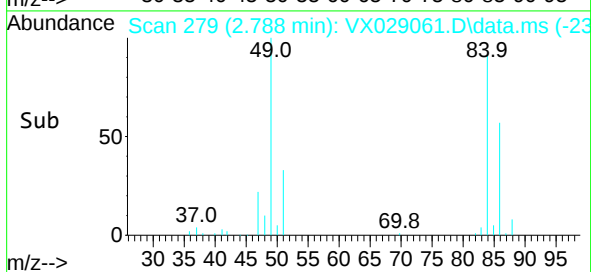
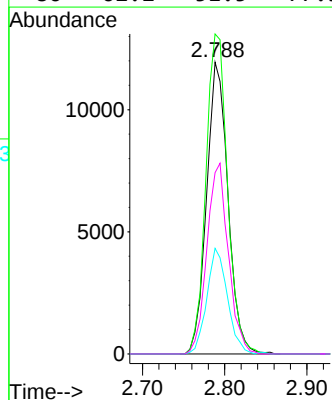
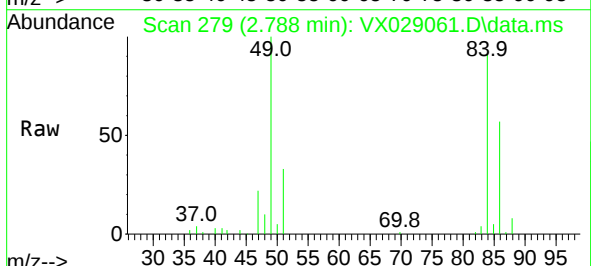
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

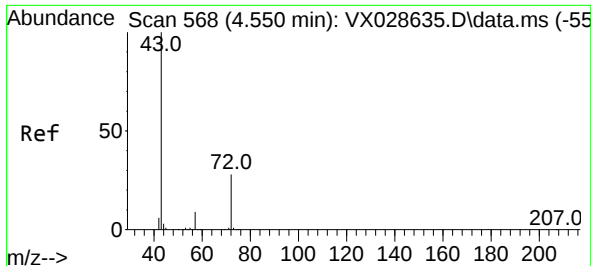
Tgt Ion: 43 Resp: 2112
Ion Ratio Lower Upper
43 100
74 21.9 22.8 34.2#



#20
Methylene Chloride
Concen: 5.427 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion: 84 Resp: 21597
Ion Ratio Lower Upper
84 100
49 109.7 85.5 128.3
51 36.2 26.6 39.8
86 62.2 51.5 77.3

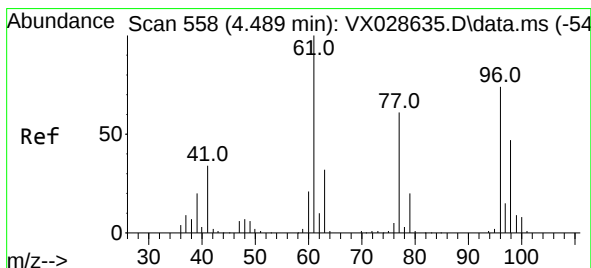
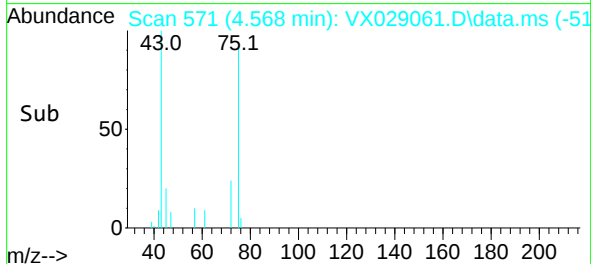
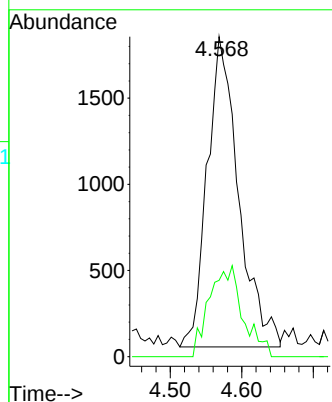
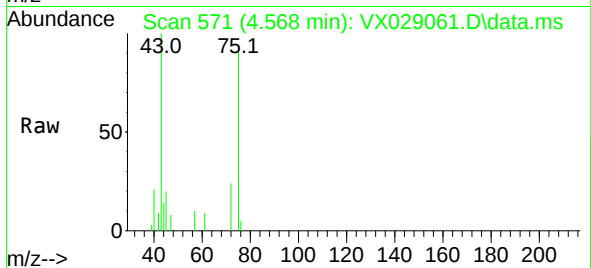




#25
2-Butanone
Concen: 1.843 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

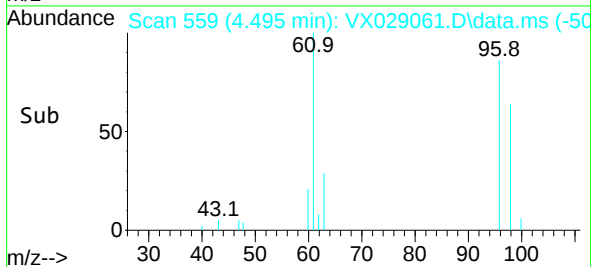
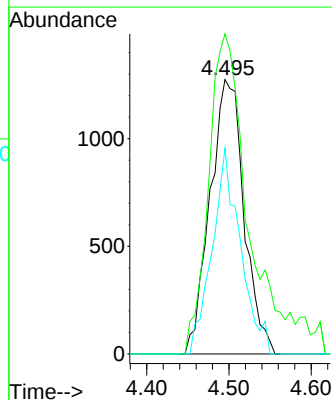
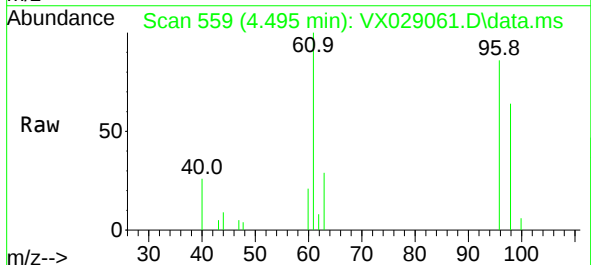
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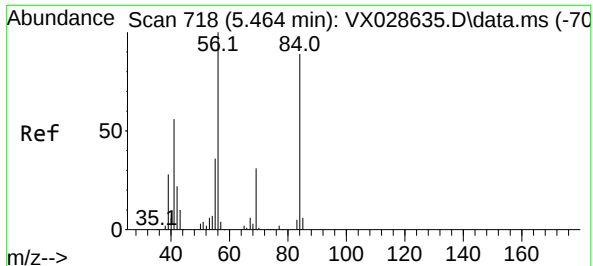
Tgt Ion: 43 Resp: 5487
Ion Ratio Lower Upper
43 100
72 24.6 24.4 36.6



#27
cis-1,2-Dichloroethene
Concen: 0.833 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

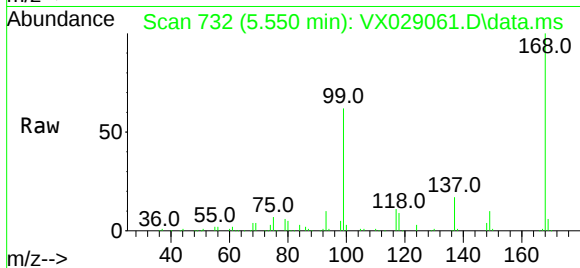
Tgt Ion: 96 Resp: 3658
Ion Ratio Lower Upper
96 100
61 141.3 0.0 283.8
98 62.4 0.0 129.8



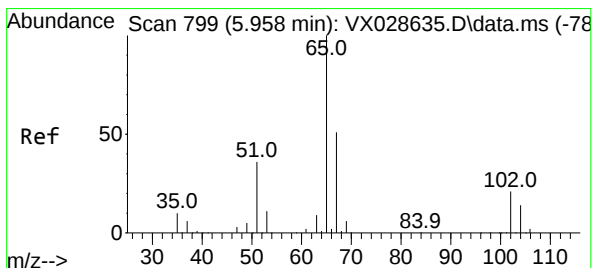
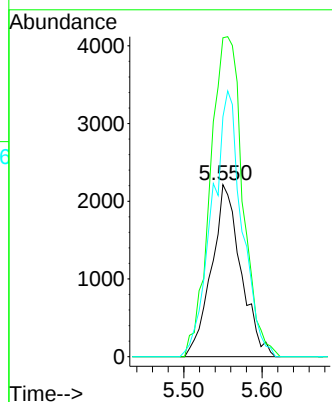
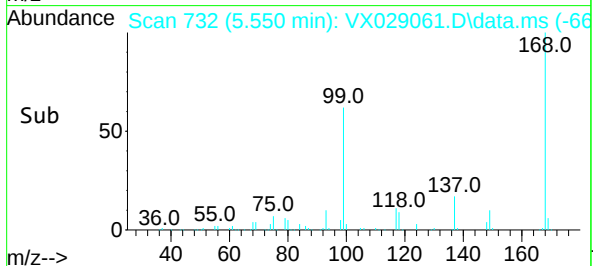


#31
Cyclohexane
Concen: 0.937 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Instrument :
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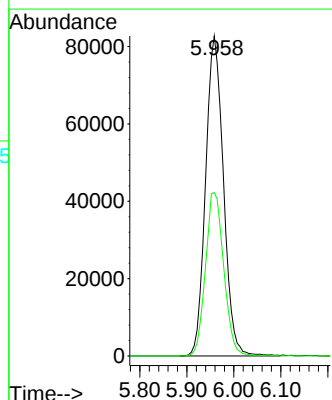
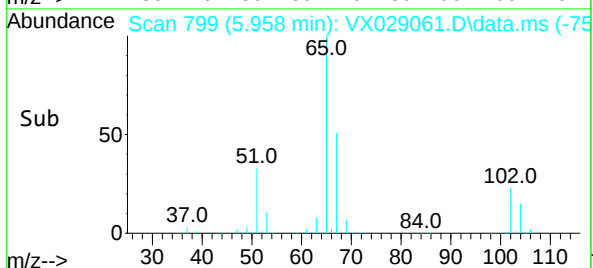
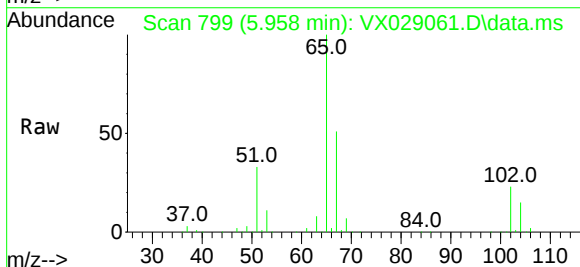


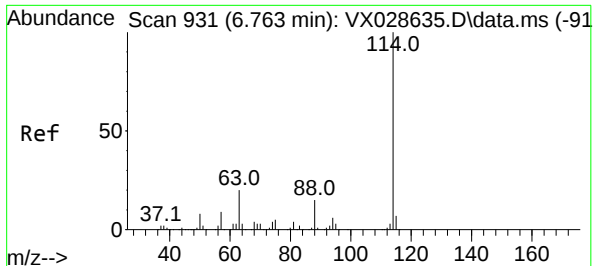
Tgt Ion: 56 Resp: 5747
Ion Ratio Lower Upper
56 100
69 185.4 26.7 40.1#
84 139.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 49.335 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion: 65 Resp: 218056
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

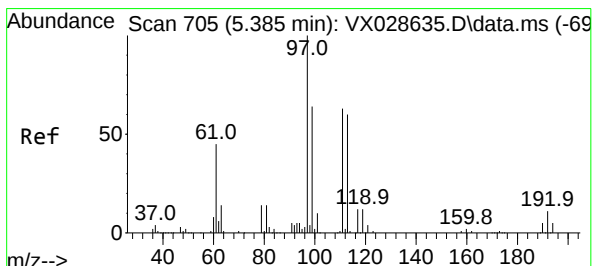
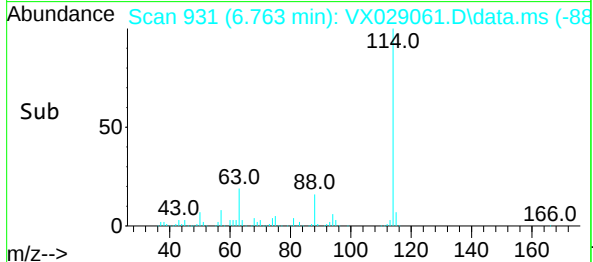
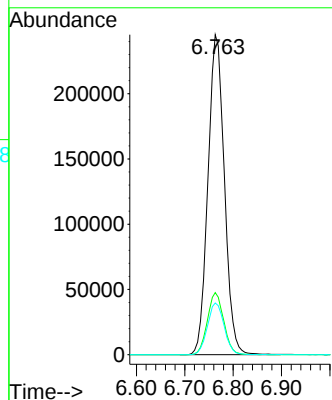
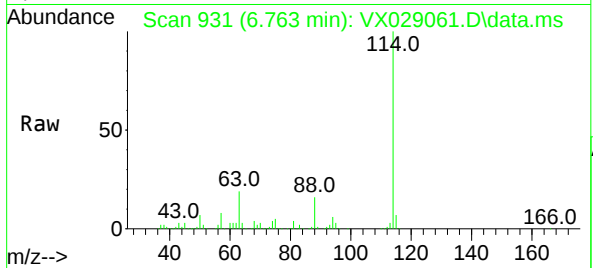




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

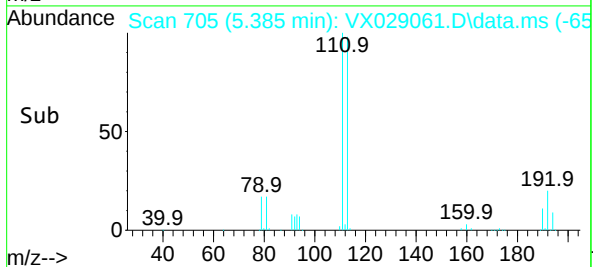
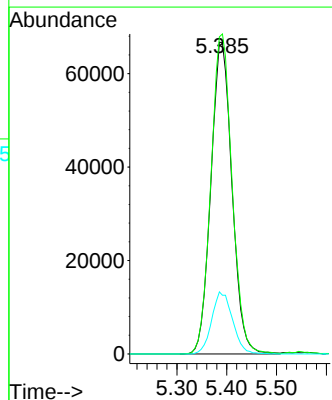
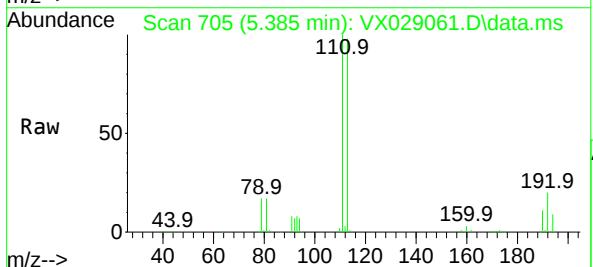
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

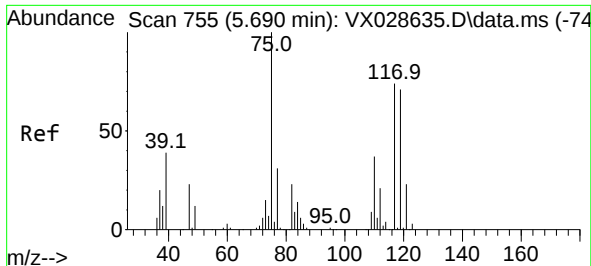
Tgt Ion:114 Resp: 580342
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.8
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.553 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion:113 Resp: 196020
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 19.7 16.9 25.3

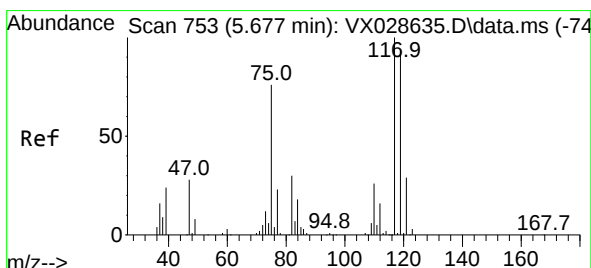
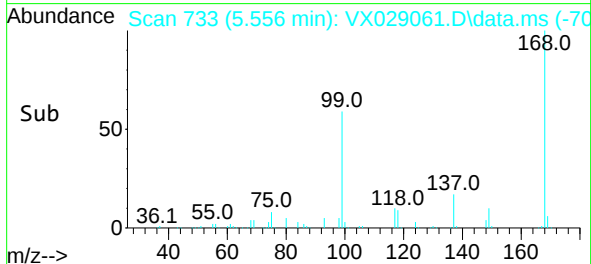
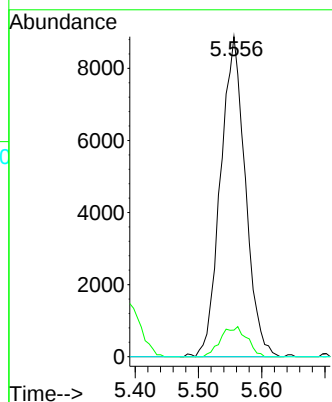
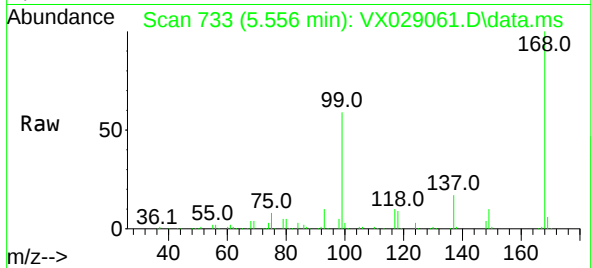




#36
1,1-Dichloropropene
Concen: 4.235 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

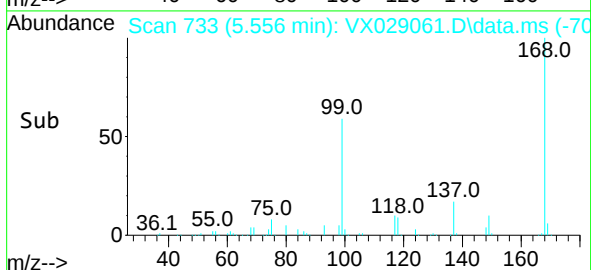
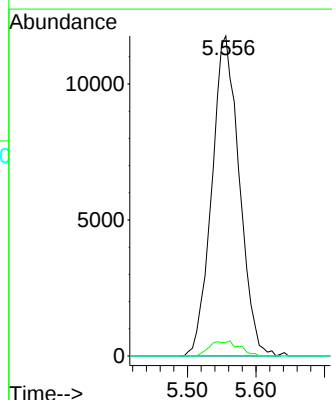
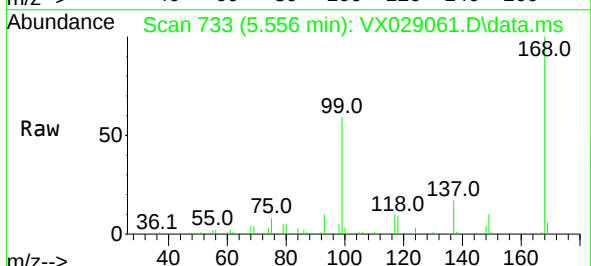
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

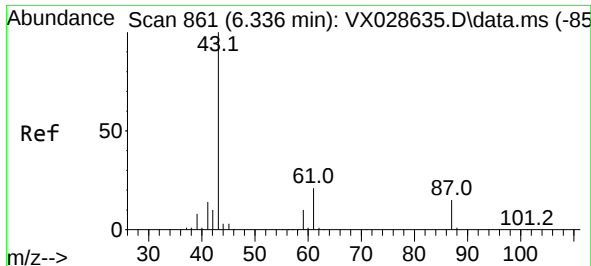
Tgt Ion: 75 Resp: 24187
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion: 117 Resp: 32803
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#

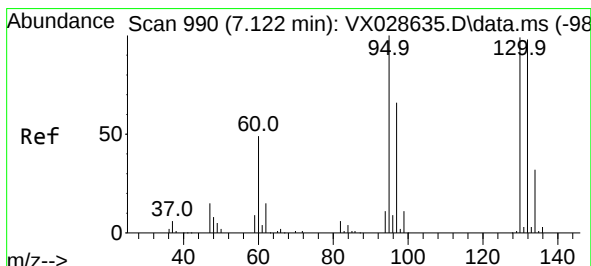
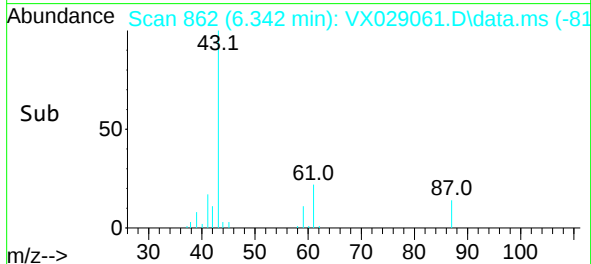
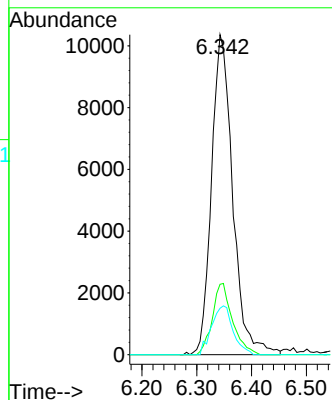
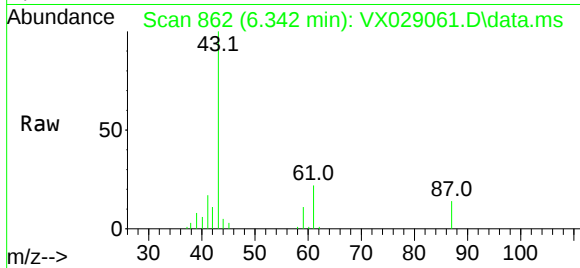




#43
Isopropyl Acetate
Concen: 2.979 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

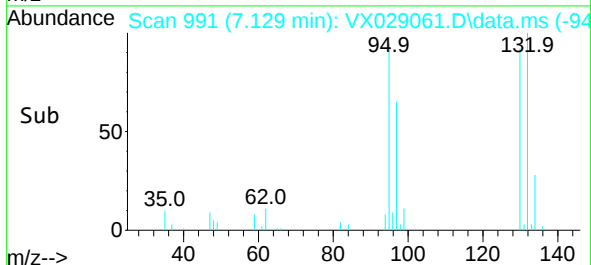
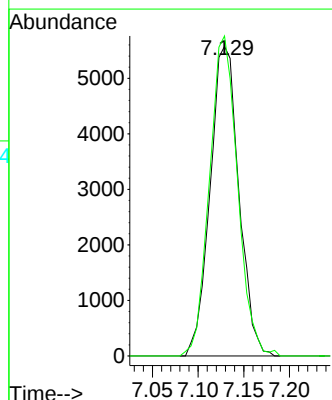
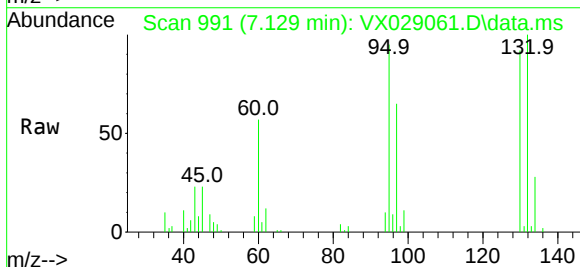
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

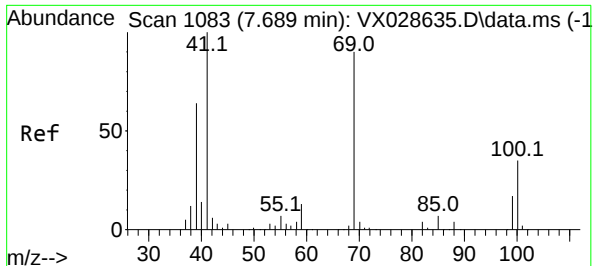
Tgt Ion: 43 Resp: 27800
Ion Ratio Lower Upper
43 100
61 21.1 18.5 27.7
87 15.4 13.0 19.6



#44
Trichloroethene
Concen: 2.742 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion: 130 Resp: 12207
Ion Ratio Lower Upper
130 100
95 103.4 0.0 188.8

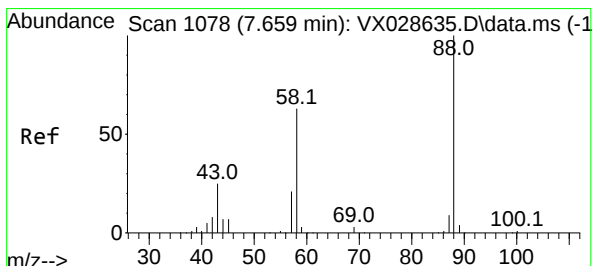
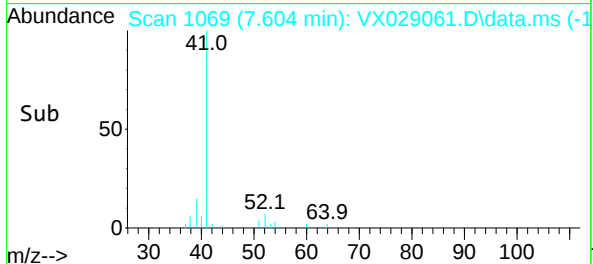
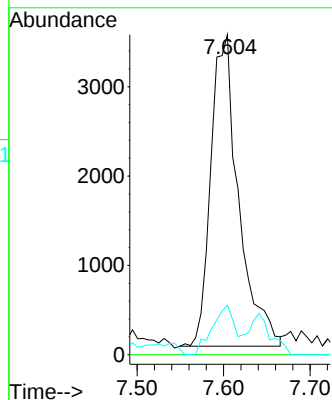
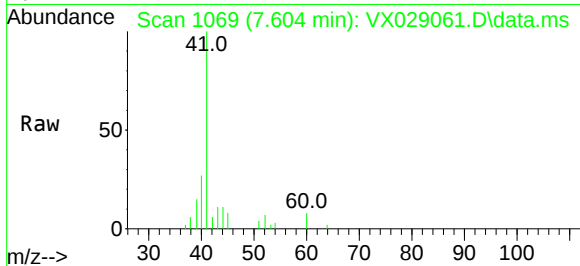




#48
Methyl methacrylate
Concen: 1.723 ug/l
RT: 7.604 min Scan# 1101
Delta R.T. -0.085 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

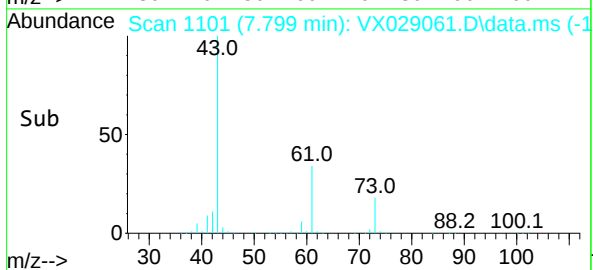
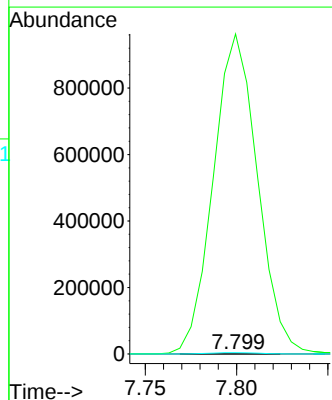
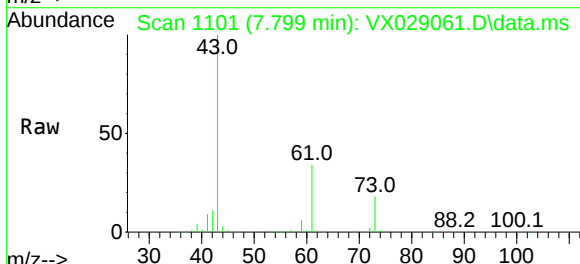
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

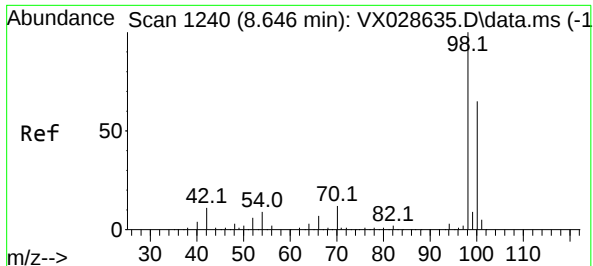
Tgt Ion: 41 Resp: 7767
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.540 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion: 88 Resp: 286
Ion Ratio Lower Upper
88 100
43 570489.9 21.9 32.9#
58 2585.3 53.7 80.5#

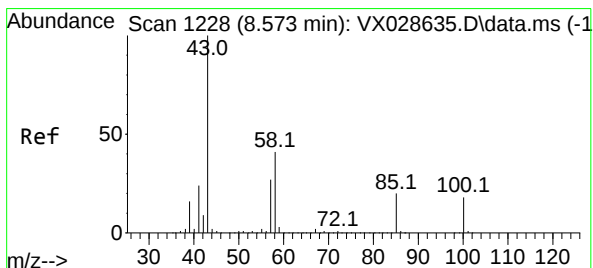
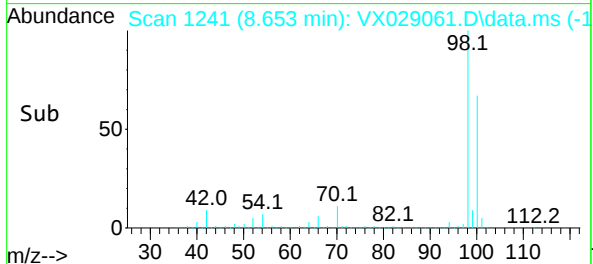
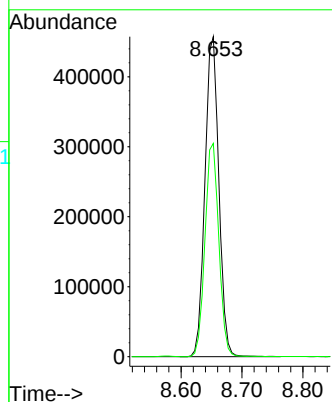
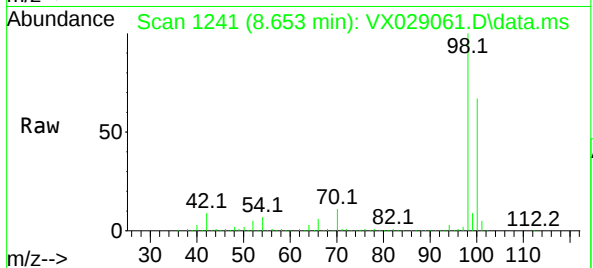




#50
Toluene-d8
Concen: 50.538 ug/l
RT: 8.653 min Scan# 1240
Delta R.T. 0.007 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

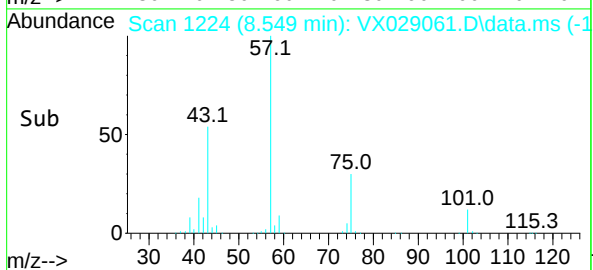
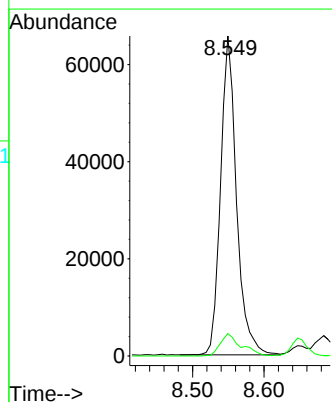
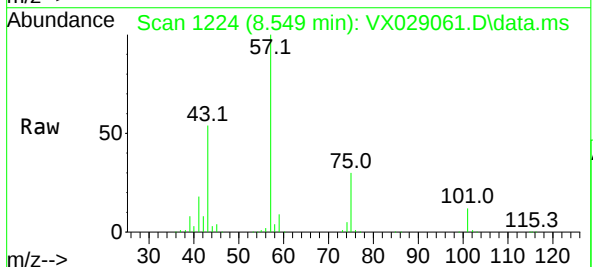
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

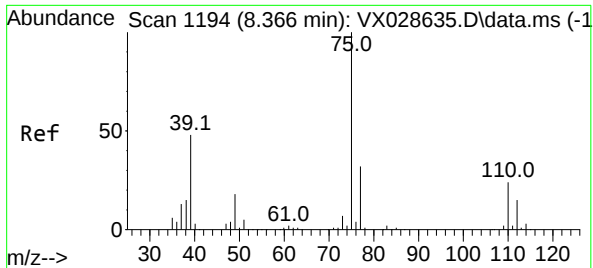
Tgt Ion: 98 Resp: 724485
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.533 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion: 43 Resp: 101629
Ion Ratio Lower Upper
43 100
58 9.2 36.1 54.1#

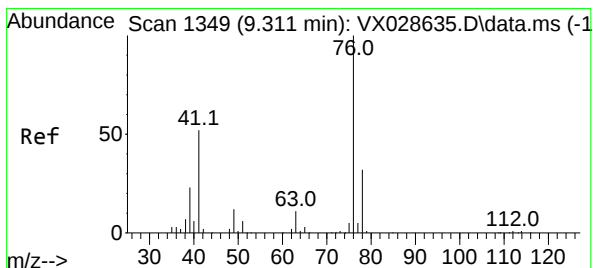
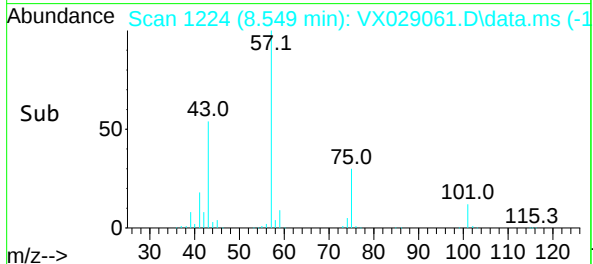
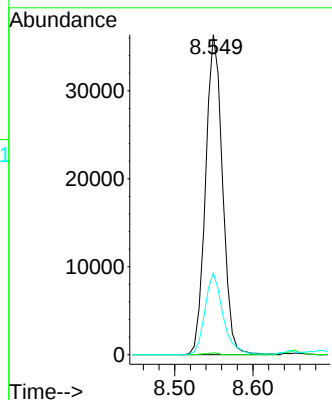
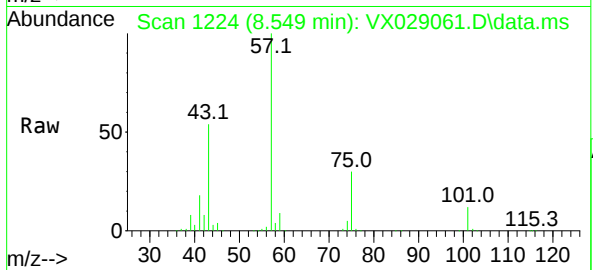




#54
cis-1,3-Dichloropropene
Concen: 8.528 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

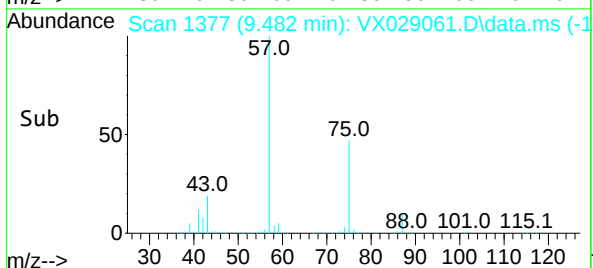
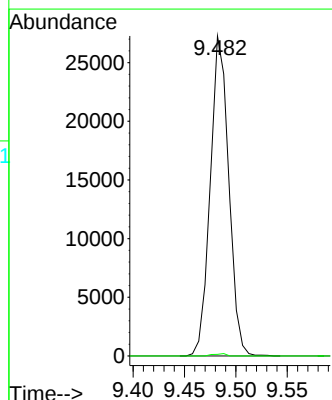
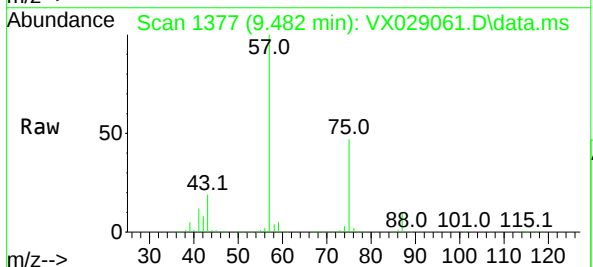
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

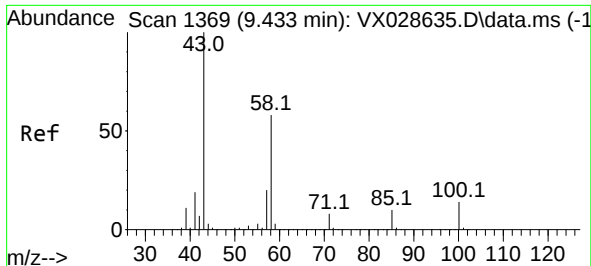
Tgt Ion: 75 Resp: 54484
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 25.4 29.6 44.4#



#57
1,3-Dichloropropane
Concen: 4.715 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion: 76 Resp: 34241
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 82.931 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX029061.D

Acq: 28 May 2022 06:45

Instrument :

MSVOA_X

ClientSampleId :

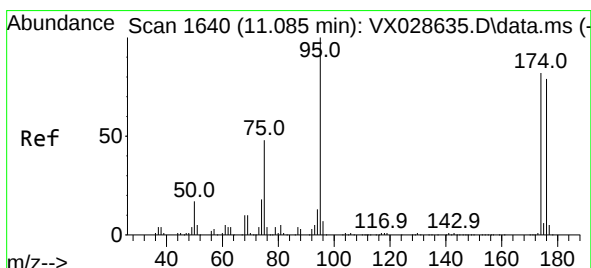
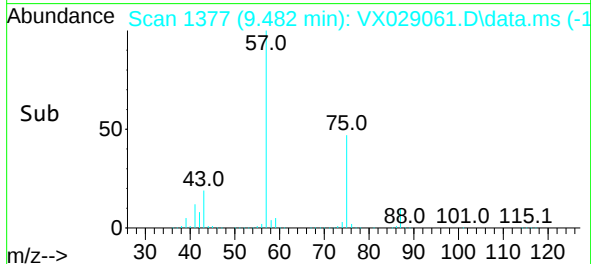
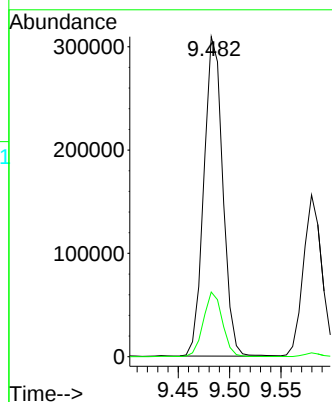
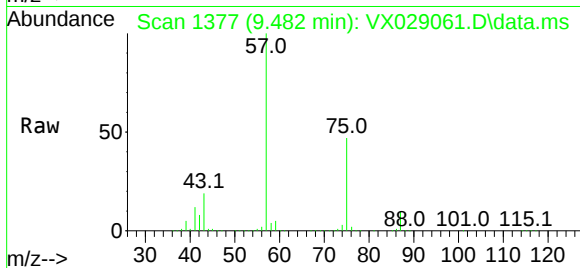
PB145106ZHE#02

Tgt Ion: 43 Resp: 396056

Ion Ratio Lower Upper

43 100

58 20.5 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 53.639 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX029061.D

Acq: 28 May 2022 06:45

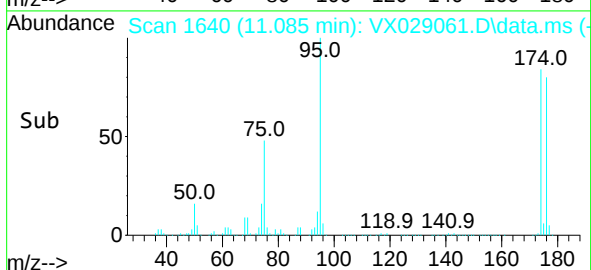
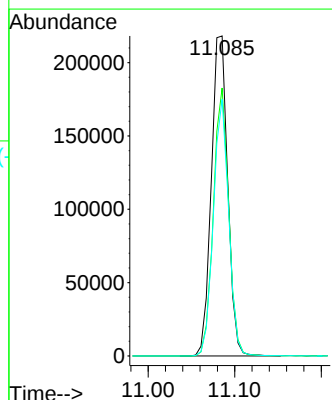
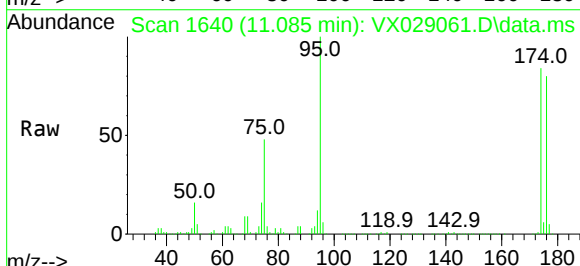
Tgt Ion: 95 Resp: 287203

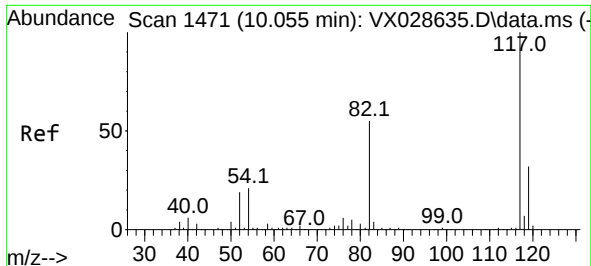
Ion Ratio Lower Upper

95 100

174 78.2 0.0 163.0

176 74.9 0.0 155.0

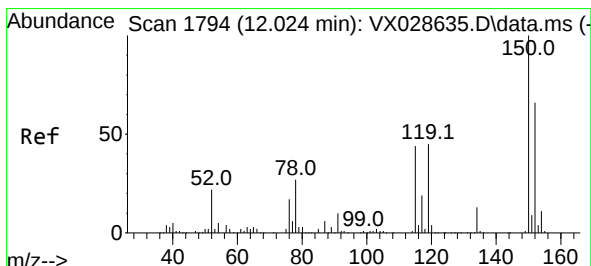
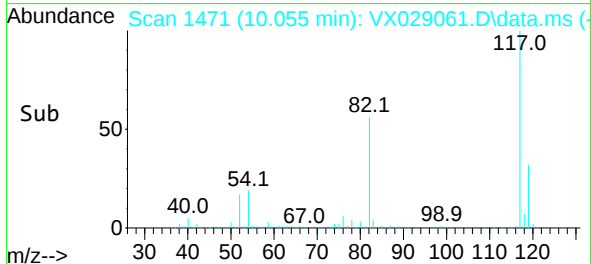
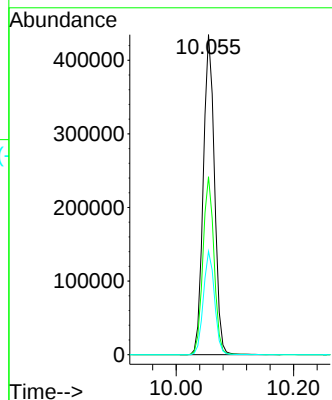
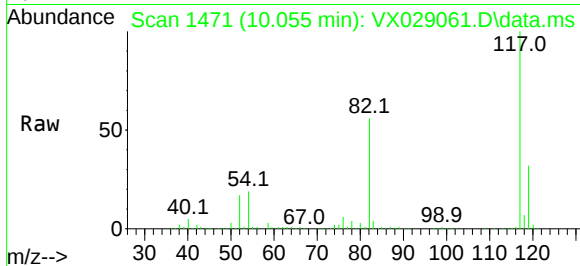




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

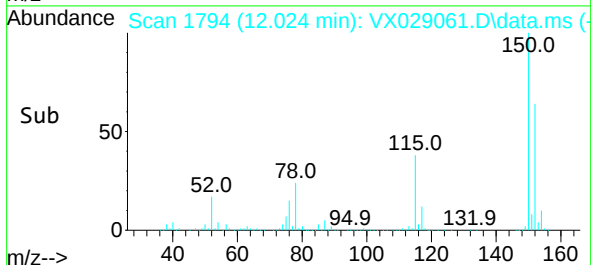
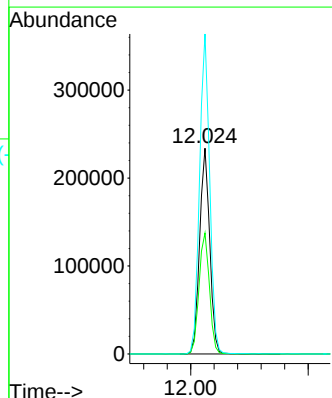
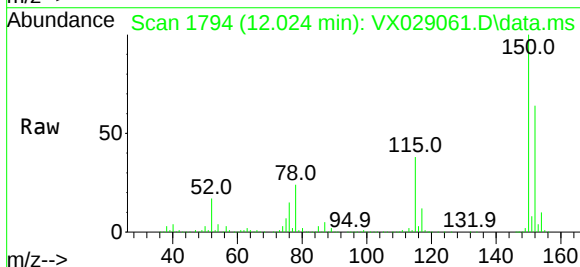
Instrument :
MSVOA_X
ClientSampleId :
PB145106ZHE#02

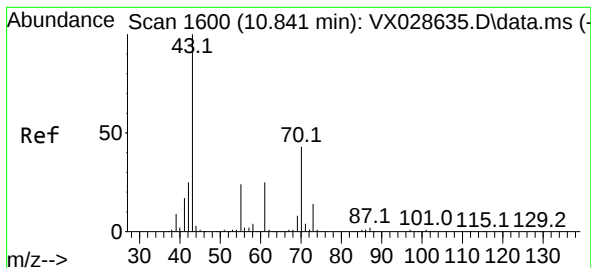
Tgt Ion:117 Resp: 573455
Ion Ratio Lower Upper
117 100
82 55.6 41.8 62.8
119 32.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029061.D
Acq: 28 May 2022 06:45

Tgt Ion:152 Resp: 279761
Ion Ratio Lower Upper
152 100
115 60.6 37.5 112.7
150 155.8 0.0 338.2





#74

N-amy1 acetate

Concen: 2.107 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX029061.D

Acq: 28 May 2022 06:45

Instrument :

MSVOA_X

ClientSampleId :

PB145106ZHE#02

Tgt Ion: 43 Resp: 17570

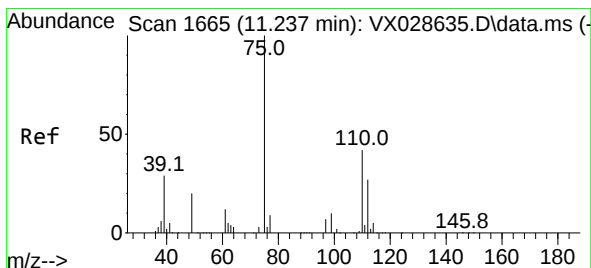
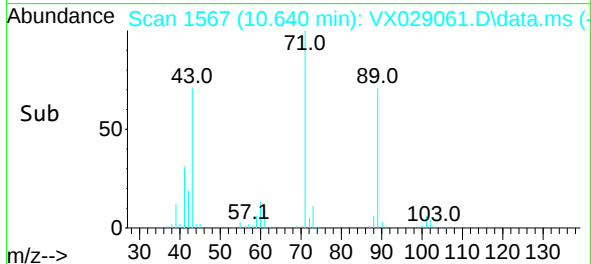
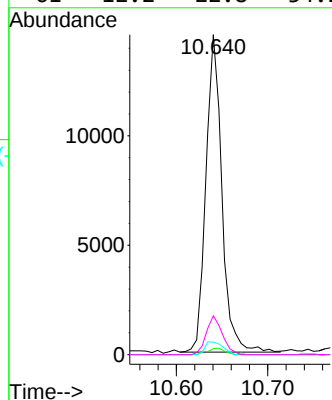
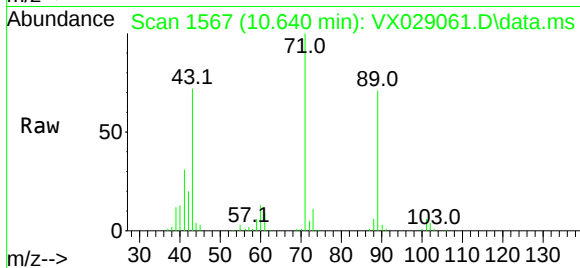
Ion Ratio Lower Upper

43 100

70 2.3 42.5 63.7#

55 4.6 23.1 34.7#

61 12.2 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 21.282 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX029061.D

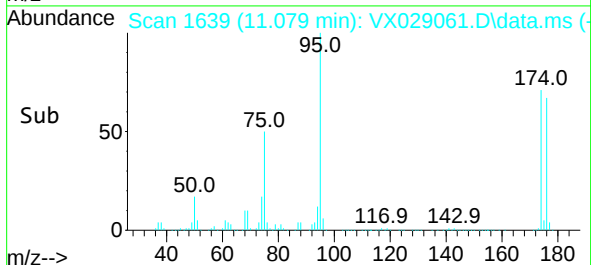
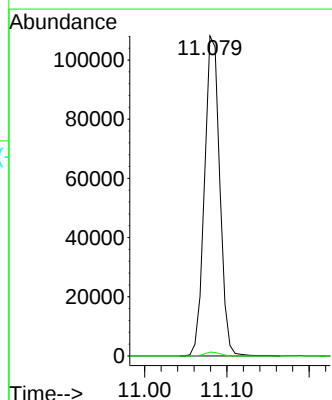
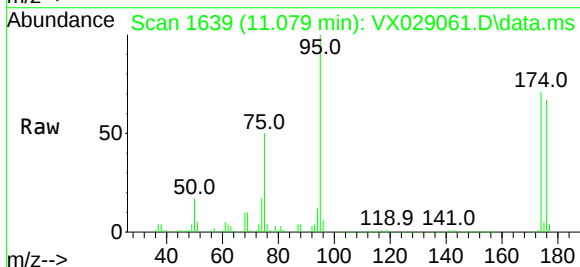
Acq: 28 May 2022 06:45

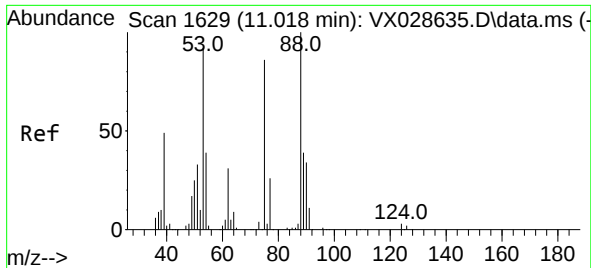
Tgt Ion: 75 Resp: 139434

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.445 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029061.D
 Acq: 28 May 2022 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145106ZHE#02

Tgt Ion: 75 Resp: 139434
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

