

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024229.D
 Acq On : 15 Sep 2021 00:32
 Operator : JC/MD
 Sample : PB139075ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB139075ZHE#02

Quant Time: Sep 15 02:01:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

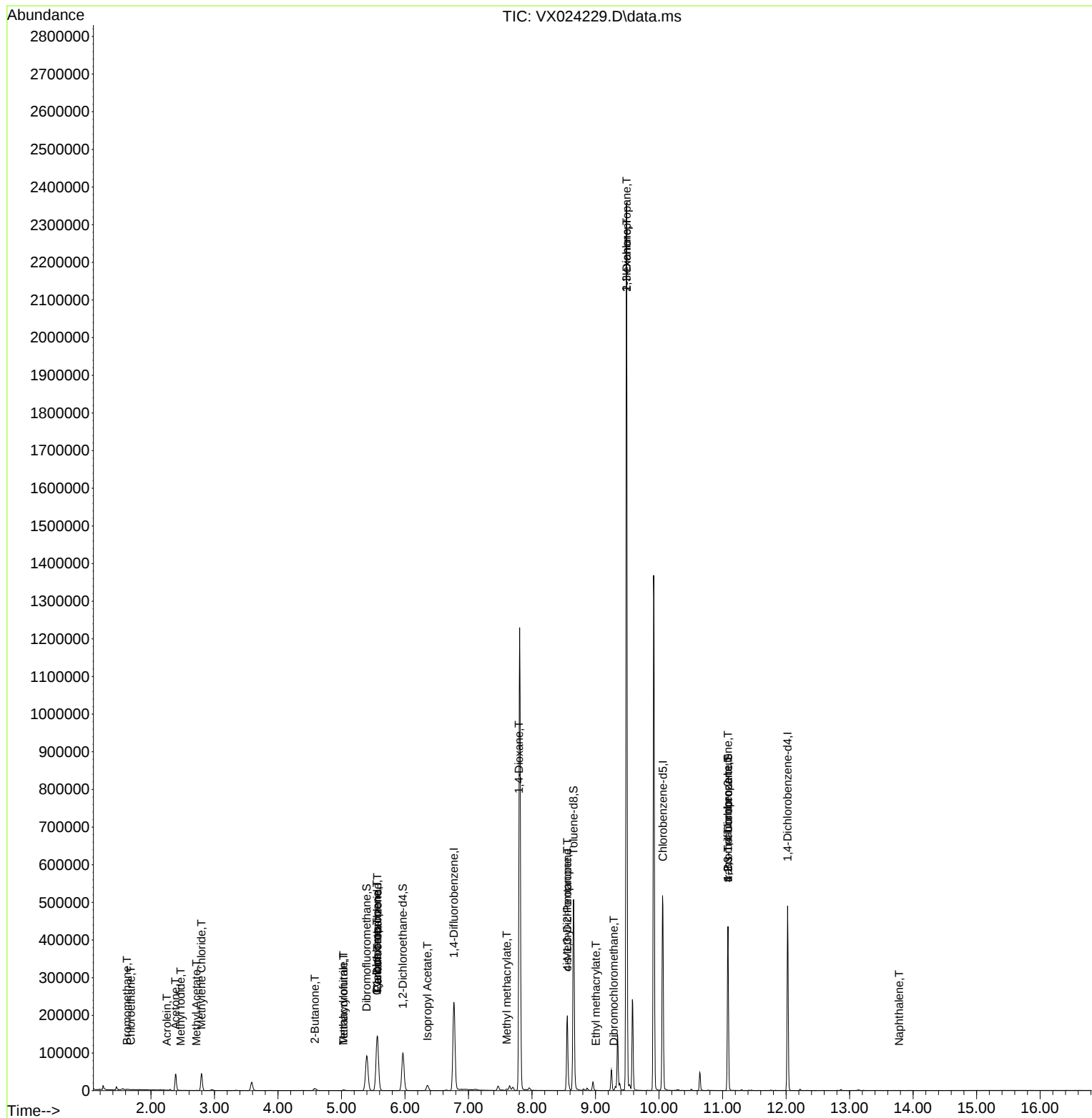
Internal Standards						
1) Pentafluorobenzene	5.568	168	136174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235109	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	230855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102143	52.602	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.200%			
35) Dibromofluoromethane	5.397	113	78276	49.644	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.280%			
50) Toluene-d8	8.653	98	294106	51.202	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.085	95	109334	48.911	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.820%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	650	0.803	ug/l #	66
6) Chloroethane	1.685	64	191	2.167	ug/l #	43
10) Methyl Iodide	2.465	142	862	0.465	ug/l #	85
11) Tert butyl alcohol	2.959	59	2197	Below Cal	#	73
13) Acrolein	2.252	56	49	0.383	ug/l #	30
16) Acetone	2.386	43	46728	56.437	ug/l	90
18) Methyl Acetate	2.715	43	900	0.347	ug/l #	72
20) Methylene Chloride	2.794	84	19591	12.322	ug/l	91
25) 2-Butanone	4.580	43	8034	6.588	ug/l	92
29) Tetrahydrofuran	5.031	42	1427	1.870	ug/l	88
31) Cyclohexane	5.556	56	3055	1.345	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	10526	4.870	ug/l #	46
38) Carbon Tetrachloride	5.562	117	14206	5.839	ug/l #	16
41) Methacrylonitrile	5.031	41	952	0.709	ug/l #	44
43) Isopropyl Acetate	6.354	43	19305	4.815	ug/l #	92
48) Methyl methacrylate	7.604	41	5352	2.675	ug/l #	10
49) 1,4-Dioxane	7.793	88	196	4.679	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	71759	28.087	ug/l #	46
54) cis-1,3-Dichloropropene	8.555	75	29477	11.278	ug/l #	71
56) Ethyl methacrylate	9.006	69	139	1.409	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	18435	6.541	ug/l #	42
59) 2-Hexanone	9.488	43	277818	139.553	ug/l #	42
60) Dibromochloromethane	9.287	129	59	1.755	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	57586	25.897	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57586	76.165	ug/l #	12
95) Naphthalene	13.780	128	312	1.331	ug/l #	80

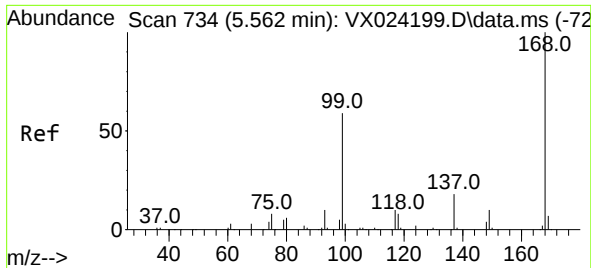
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
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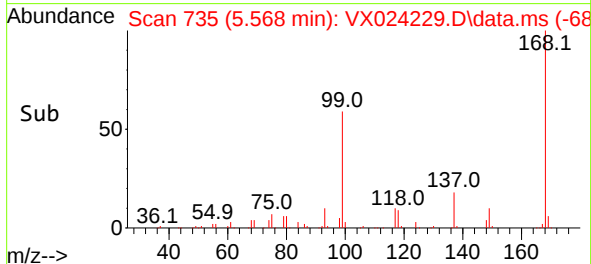
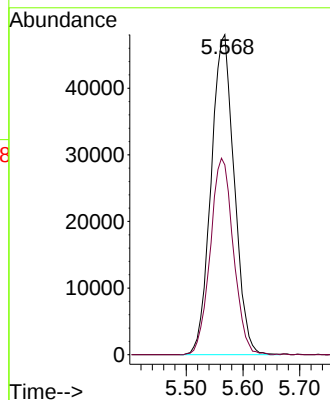
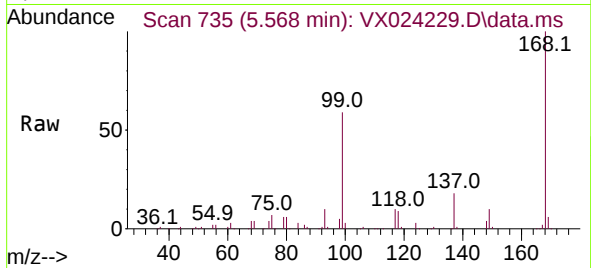




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

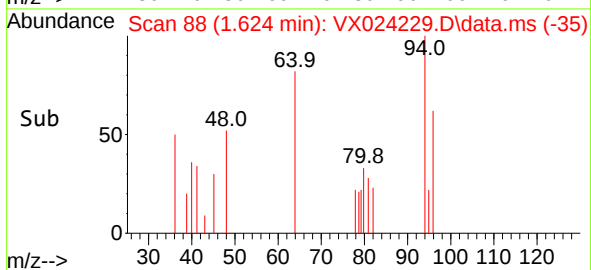
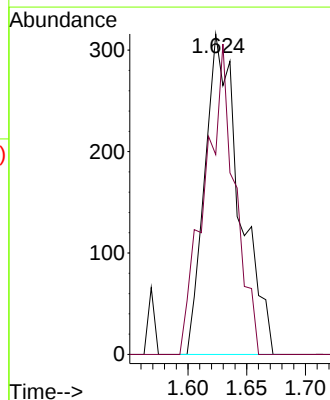
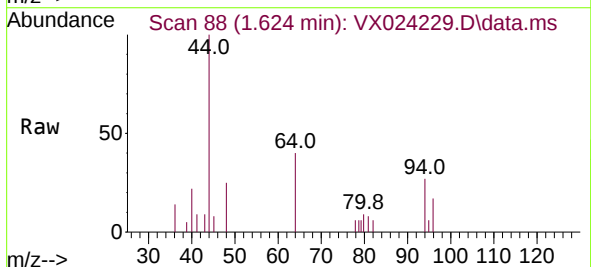
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

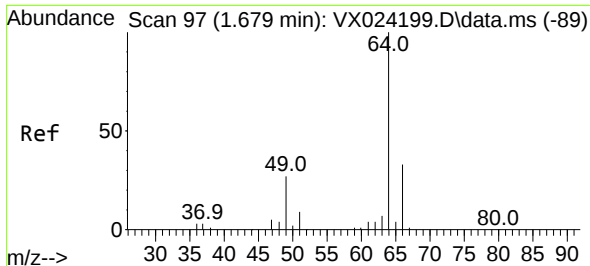
Tgt Ion:168 Resp: 136174
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.6



#5
Bromomethane
Concen: 0.803 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 94 Resp: 650
Ion Ratio Lower Upper
94 100
96 62.3 76.4 114.6#

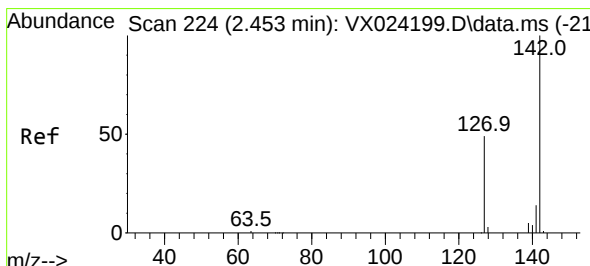
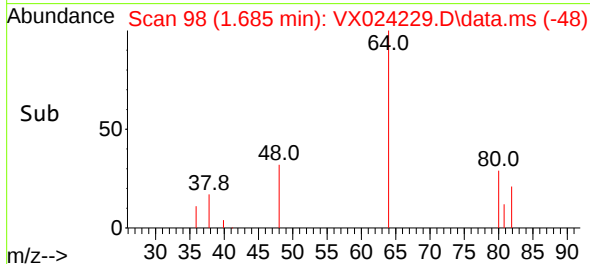
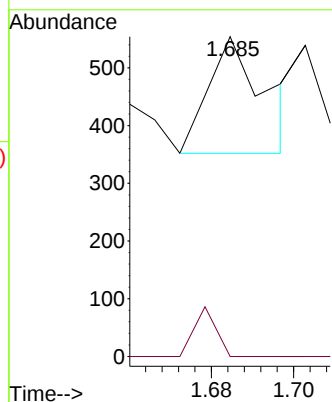
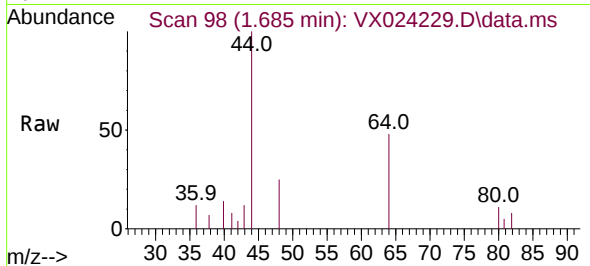




#6
Chloroethane
Concen: 2.167 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

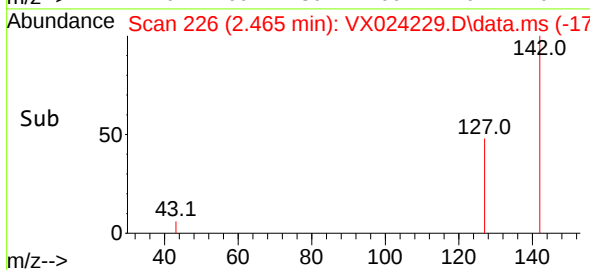
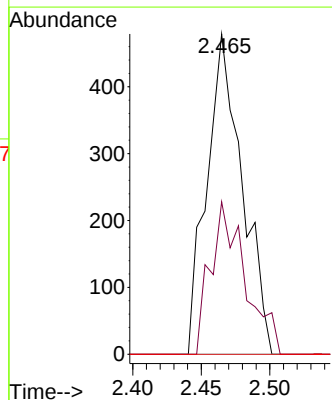
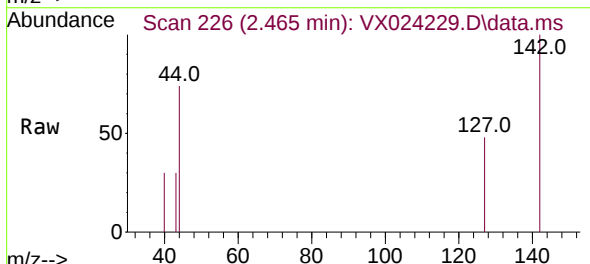
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

Tgt Ion: 64 Resp: 191
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.465 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 142 Resp: 862
Ion Ratio Lower Upper
142 100
127 46.8 33.3 49.9
141 0.0 11.4 17.0#



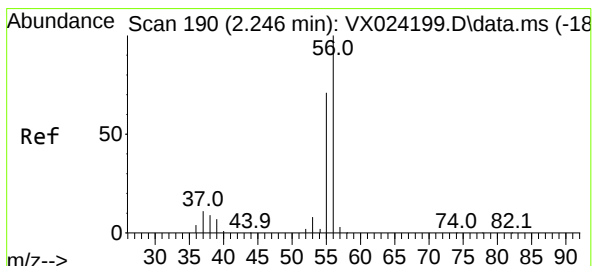
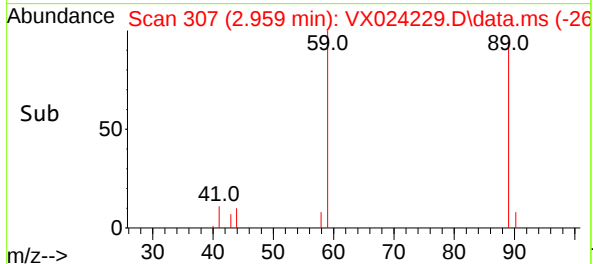
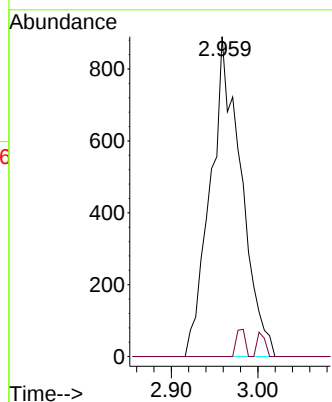
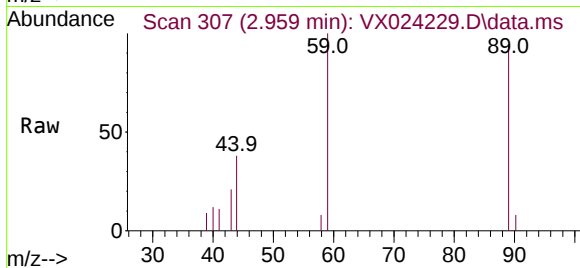


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

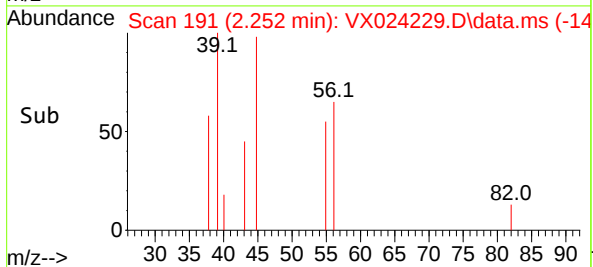
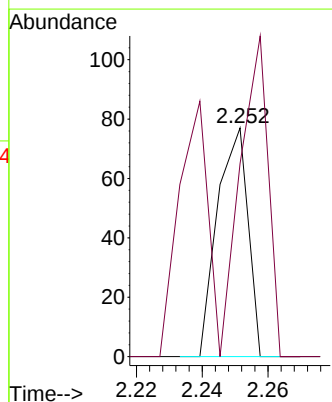
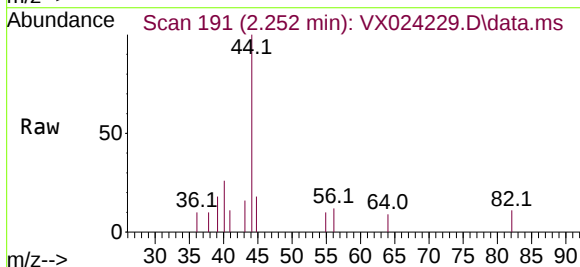
Tgt Ion: 59 Resp: 2197
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

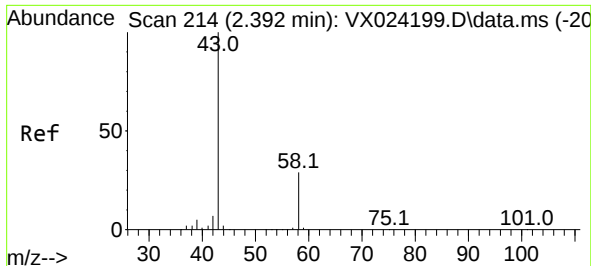


#13

Acrolein
Concen: 0.383 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 128.6 56.4 84.6#

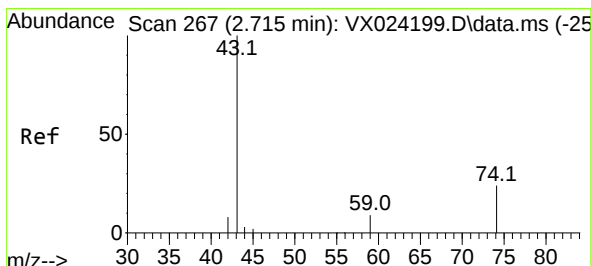
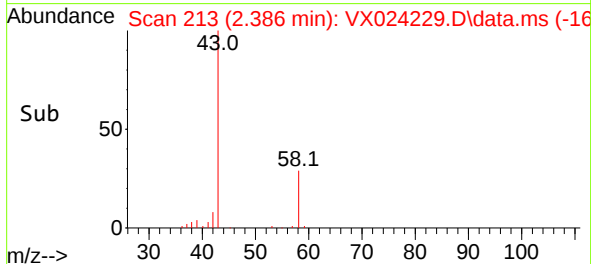
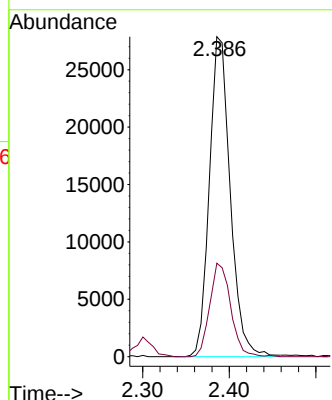
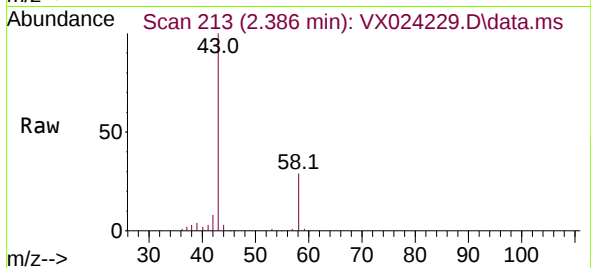




#16
Acetone
Concen: 56.437 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

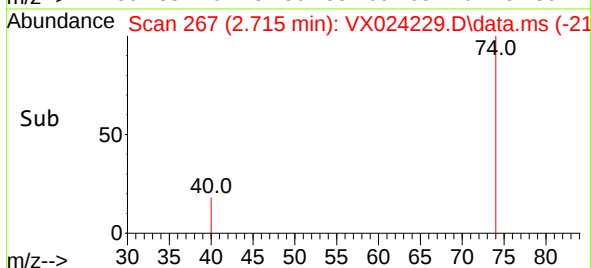
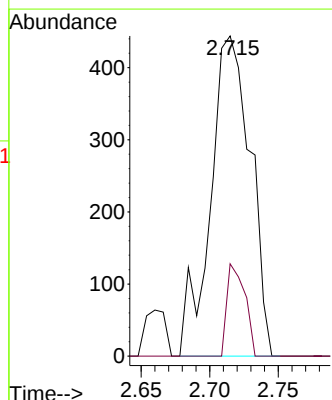
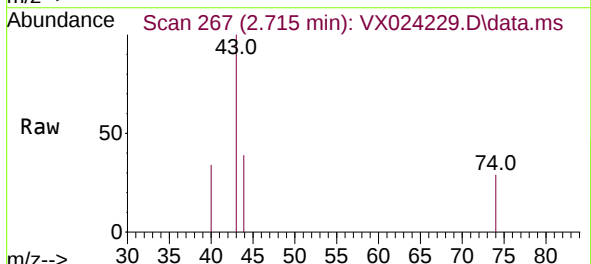
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

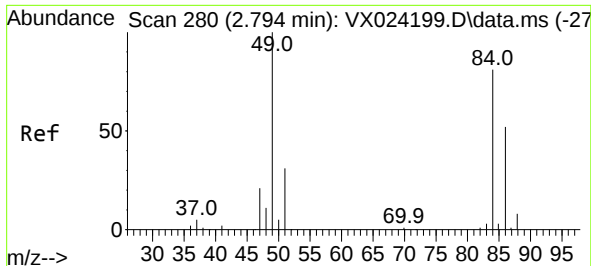
Tgt Ion: 43 Resp: 46728
Ion Ratio Lower Upper
43 100
58 29.2 27.8 41.8



#18
Methyl Acetate
Concen: 0.347 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
74 13.0 21.9 32.9#

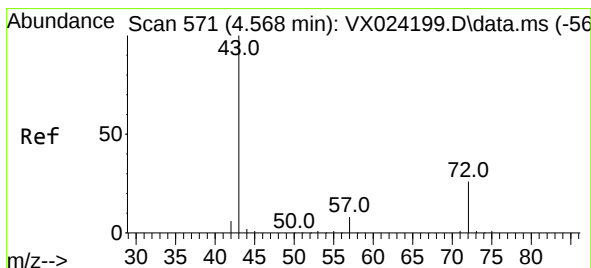
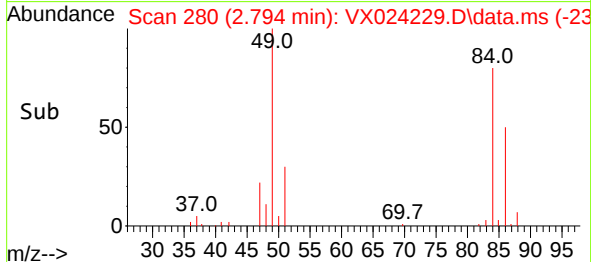
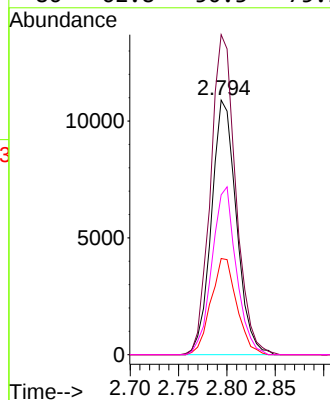
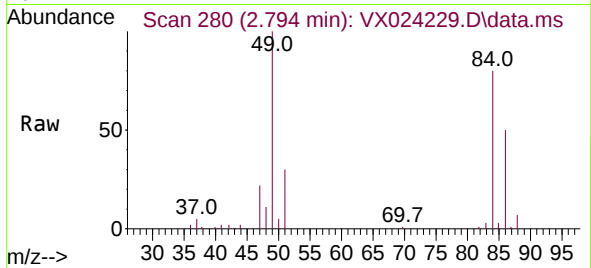




#20
Methylene Chloride
Concen: 12.322 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

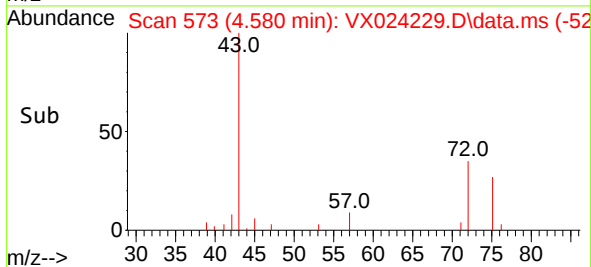
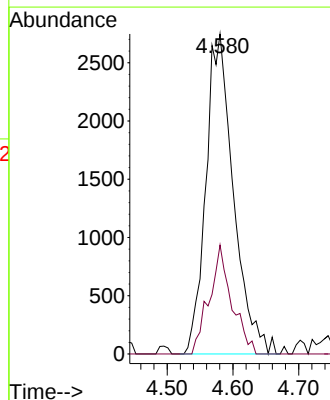
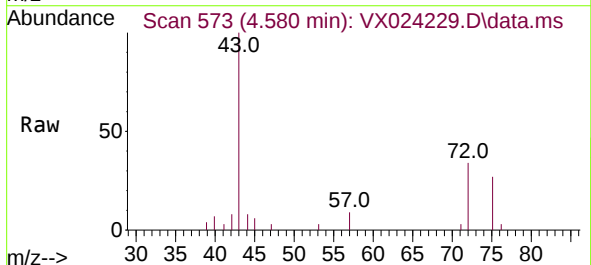
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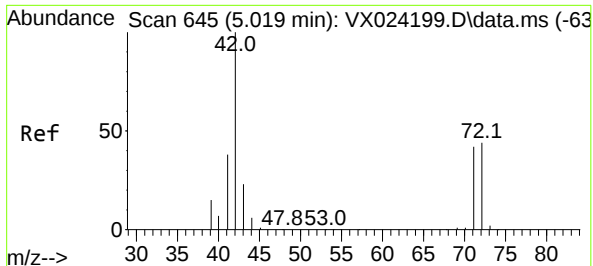
Tgt Ion:	84	Resp:	19591
Ion	Ratio	Lower	Upper
84	100		
49	125.7	88.6	132.8
51	37.8	27.0	40.6
86	62.8	50.3	75.5



#25
2-Butanone
Concen: 6.588 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion:	43	Resp:	8034
Ion	Ratio	Lower	Upper
43	100		
72	34.0	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.870 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.012 min

Lab File: VX024229.D

Acq: 15 Sep 2021 00:32

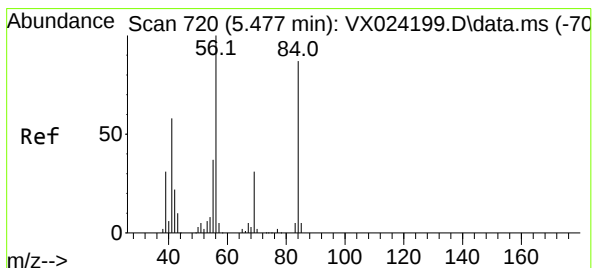
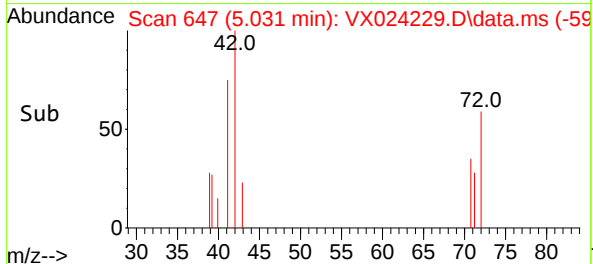
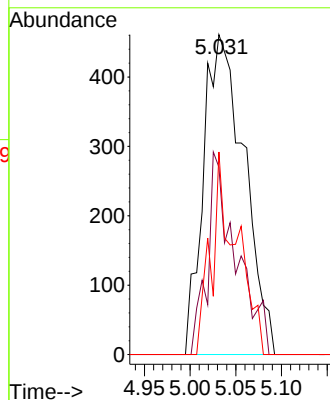
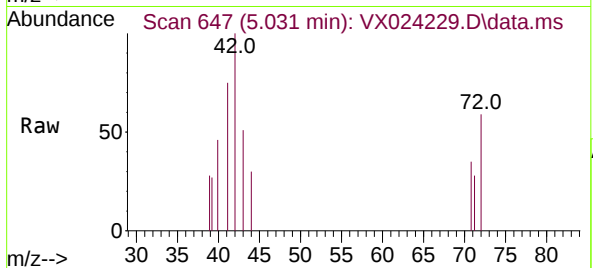
Tgt Ion: 42 Resp: 1427

Ion Ratio Lower Upper

42 100

72 44.5 41.7 62.5

71 39.6 38.4 57.6



#31

Cyclohexane

Concen: 1.345 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX024229.D

Acq: 15 Sep 2021 00:32

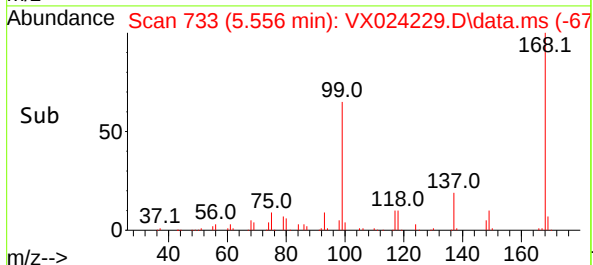
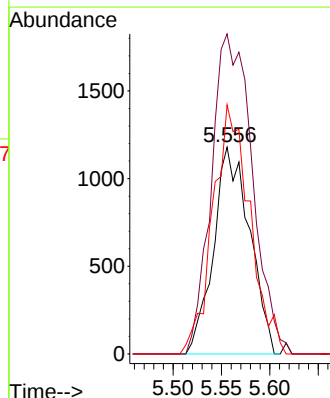
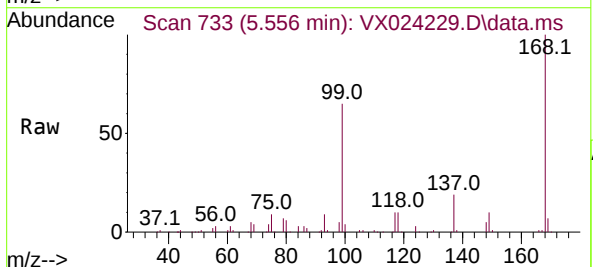
Tgt Ion: 56 Resp: 3055

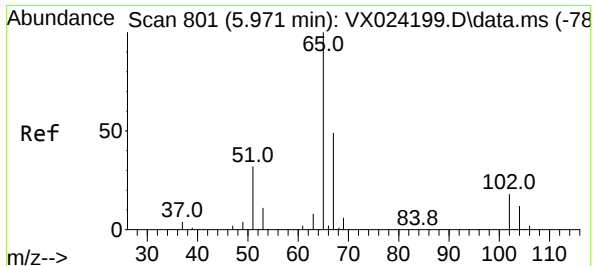
Ion Ratio Lower Upper

56 100

69 154.8 25.3 37.9#

84 120.5 71.4 107.0#



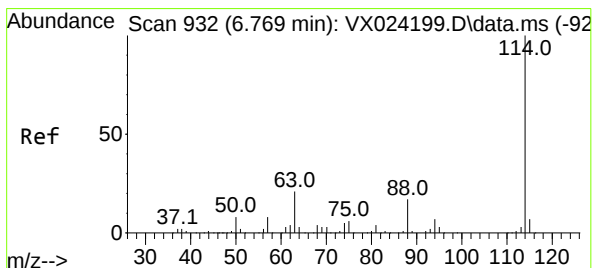
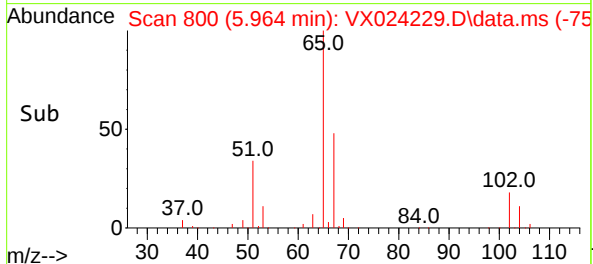
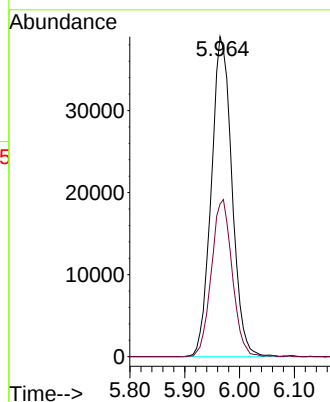
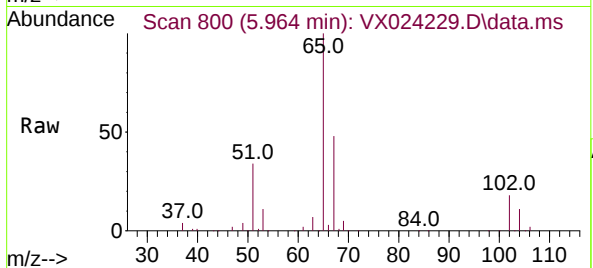


#33

1,2-Dichloroethane-d4
Concen: 52.602 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

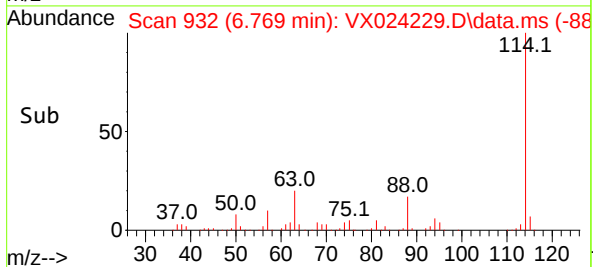
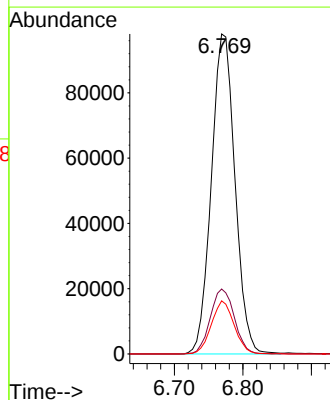
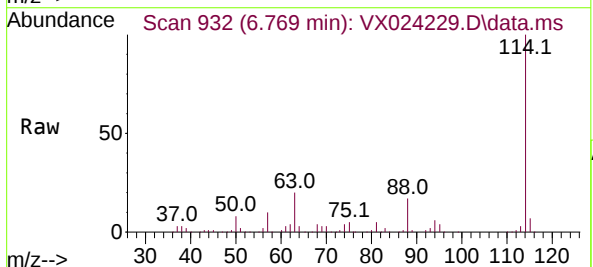
Tgt Ion: 65 Resp: 102143
Ion Ratio Lower Upper
65 100
67 49.3 0.0 105.4

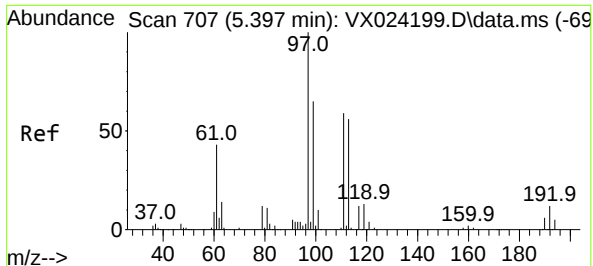


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 114 Resp: 235109
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.644 ug/l

RT: 5.397 min Scan# 707

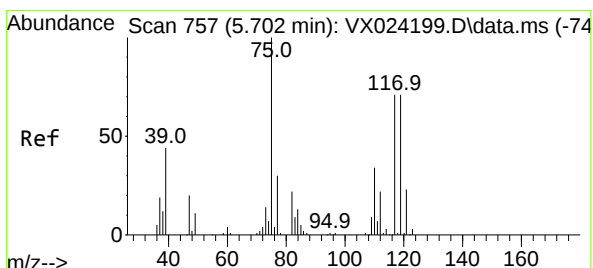
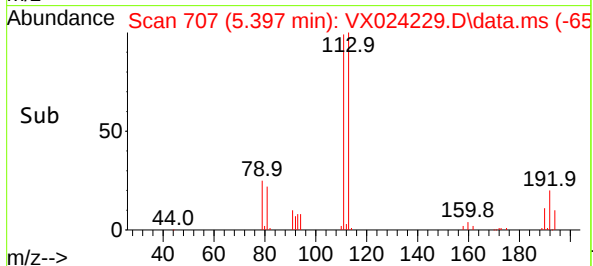
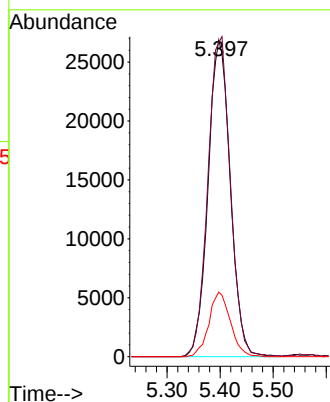
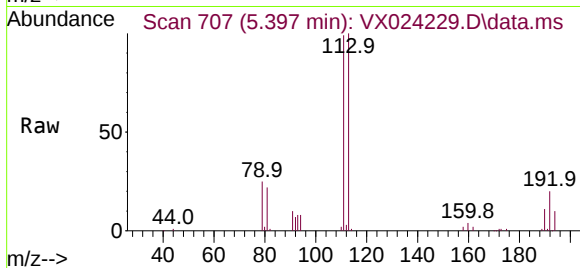
Delta R.T. 0.000 min

Lab File: VX024229.D

Acq: 15 Sep 2021 00:32

Tgt Ion:	113	Resp:	78276
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	19.7	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02



#36

1,1-Dichloropropene

Concen: 4.870 ug/l

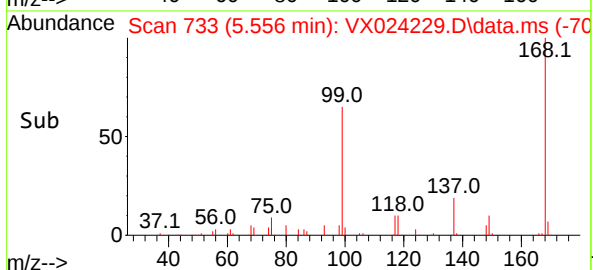
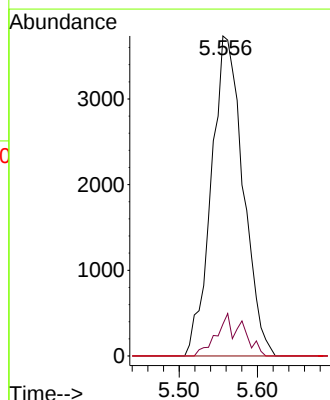
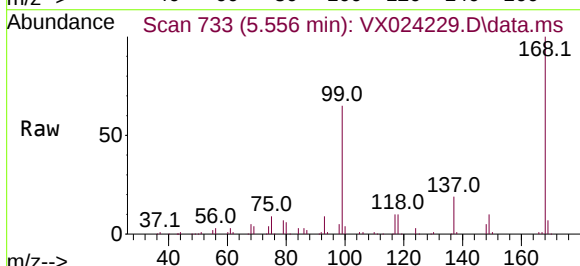
RT: 5.556 min Scan# 733

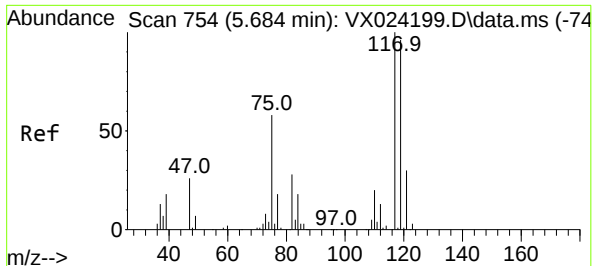
Delta R.T. -0.146 min

Lab File: VX024229.D

Acq: 15 Sep 2021 00:32

Tgt Ion:	75	Resp:	10526
Ion	Ratio	Lower	Upper
75	100		
110	6.3	18.1	54.4#
77	0.0	25.3	37.9#

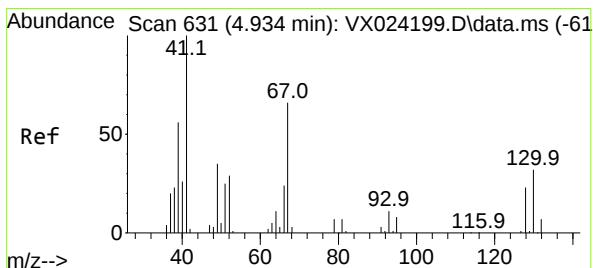
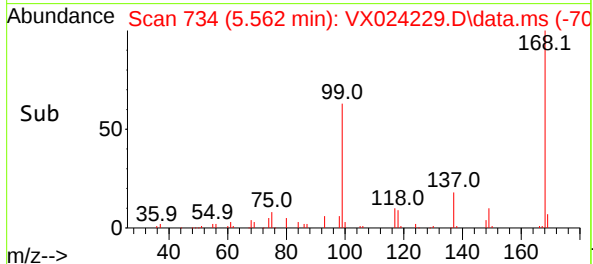
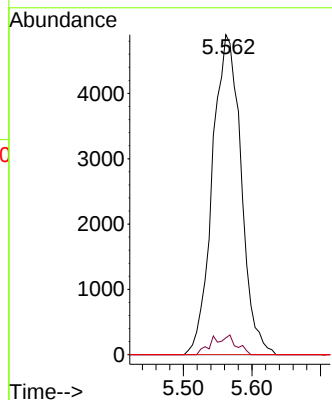
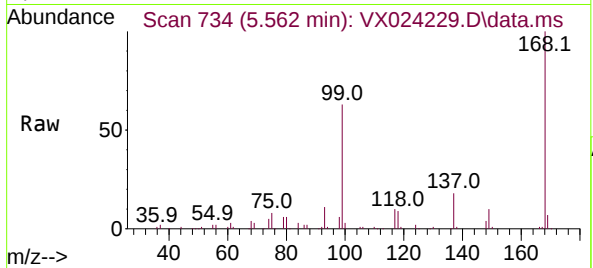




#38
Carbon Tetrachloride
Concen: 5.839 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

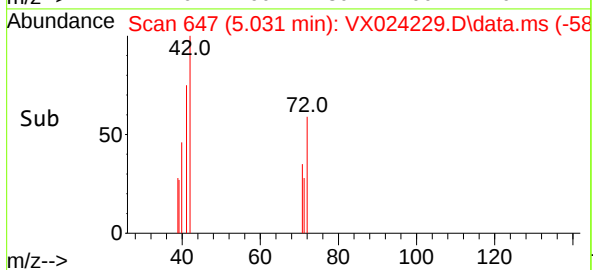
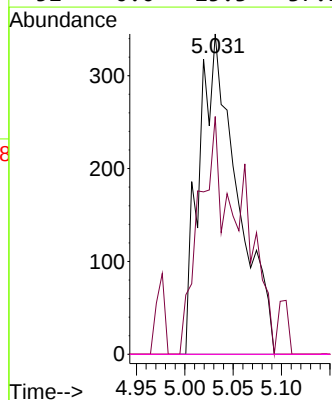
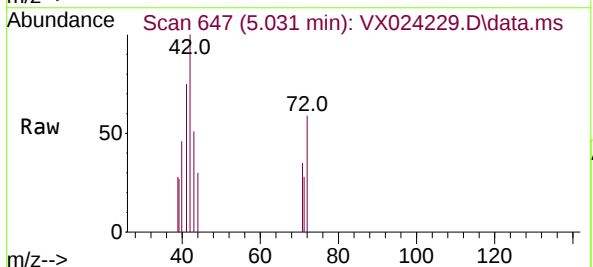
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

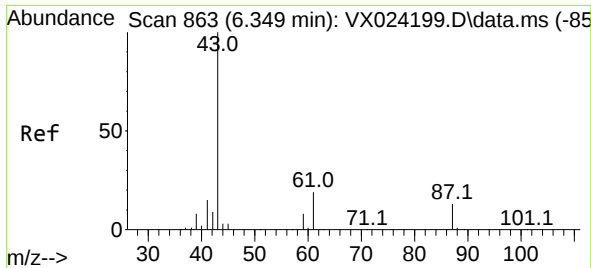
Tgt Ion: 117 Resp: 14206
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.709 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.097 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 41 Resp: 952
Ion Ratio Lower Upper
41 100
39 52.9 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

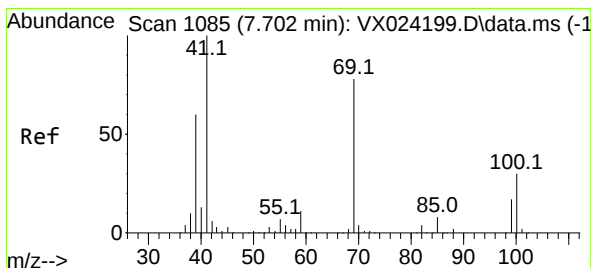
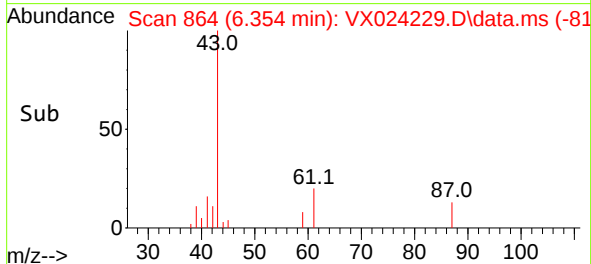
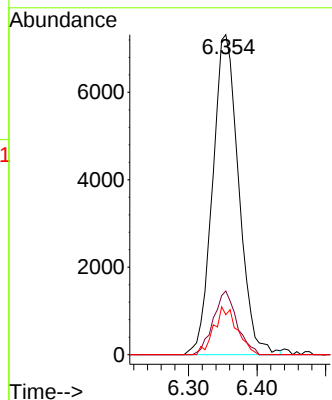
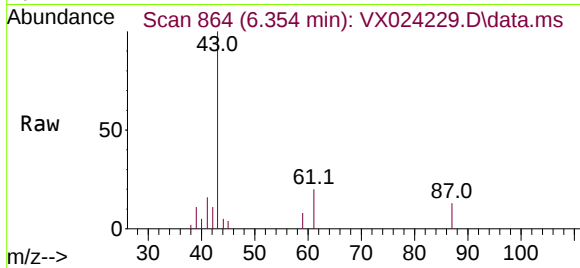




#43
Isopropyl Acetate
Concen: 4.815 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

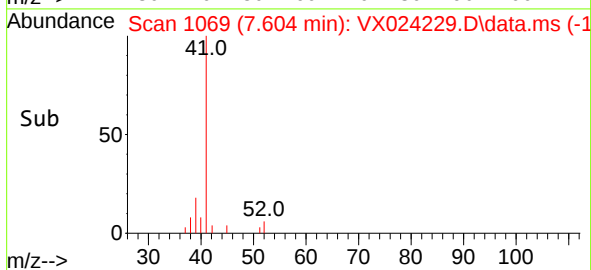
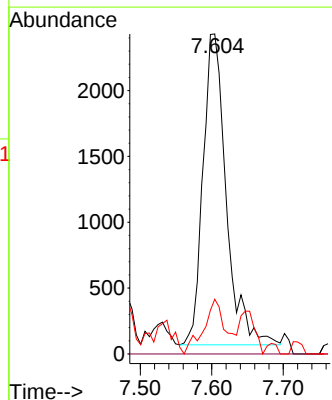
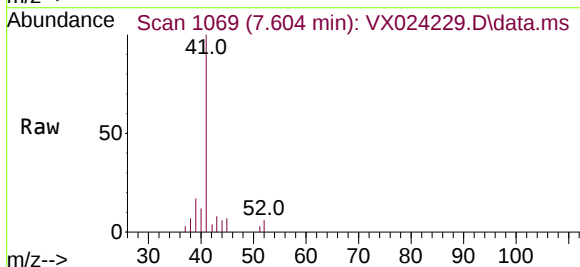
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

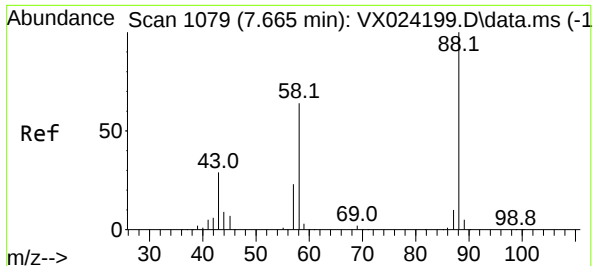
Tgt Ion: 43 Resp: 19305
Ion Ratio Lower Upper
43 100
61 17.9 18.2 27.4#
87 13.2 12.5 18.7



#48
Methyl methacrylate
Concen: 2.675 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 41 Resp: 5352
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 4.679 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX024229.D

Acq: 15 Sep 2021 00:32

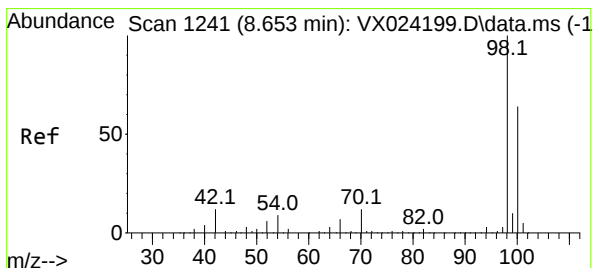
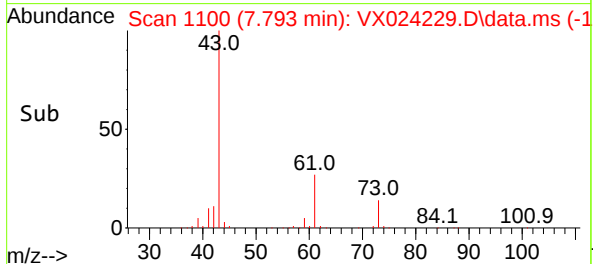
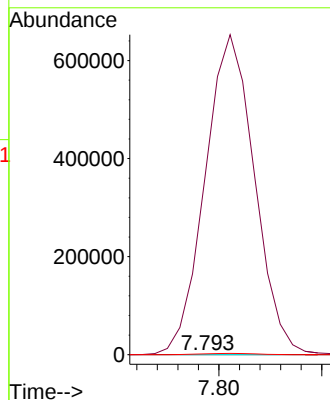
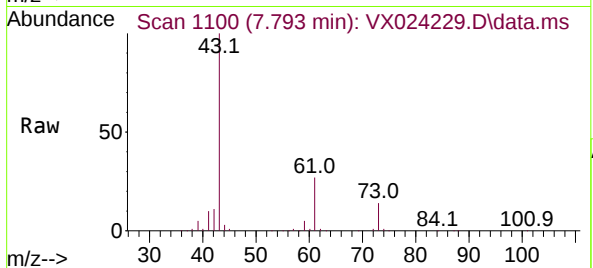
Tgt Ion: 88 Resp: 196

Ion Ratio Lower Upper

88 100

43 561095.9 23.2 34.8#

58 2391.3 55.0 82.4#



#50

Toluene-d8

Concen: 51.202 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024229.D

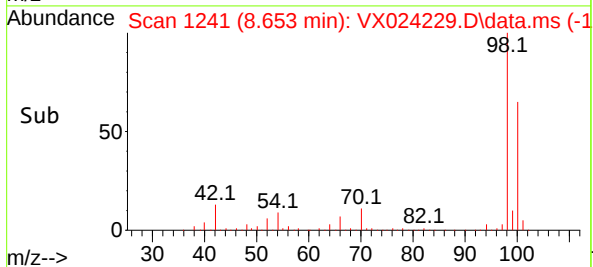
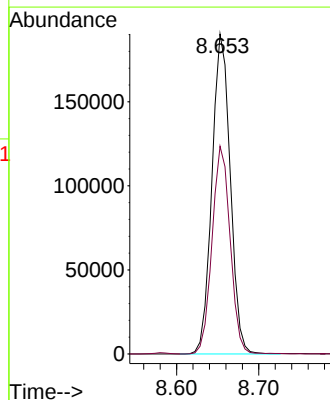
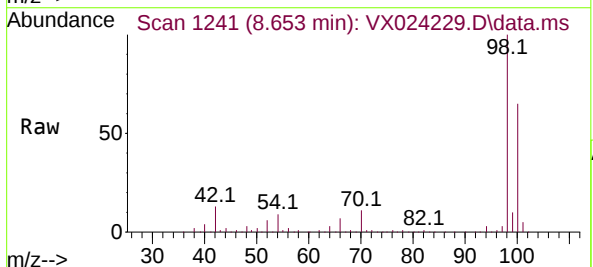
Acq: 15 Sep 2021 00:32

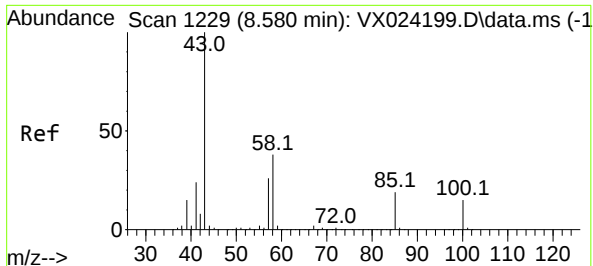
Tgt Ion: 98 Resp: 294106

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9

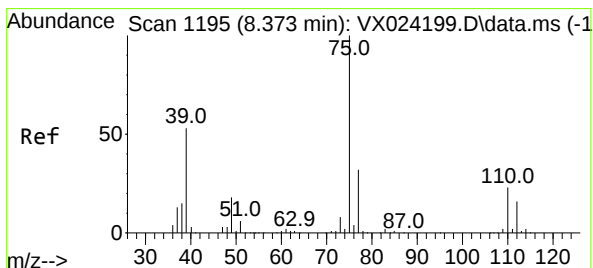
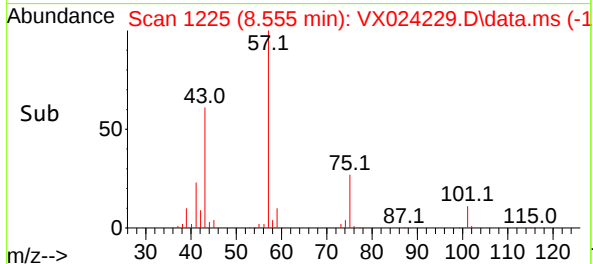
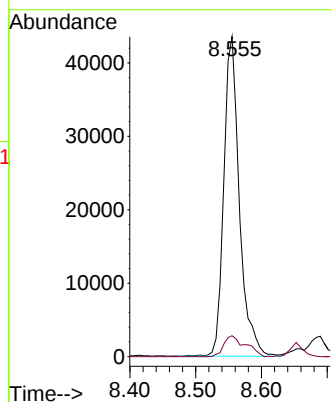
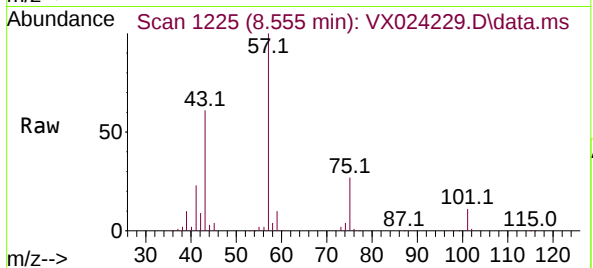




#51
4-Methyl-2-Pentanone
Concen: 28.087 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

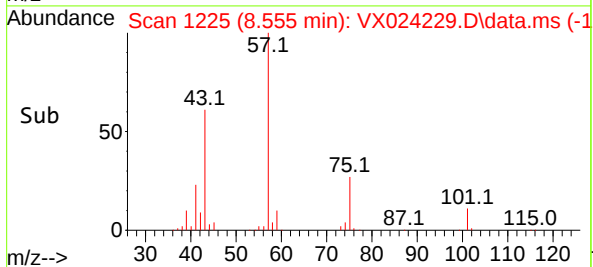
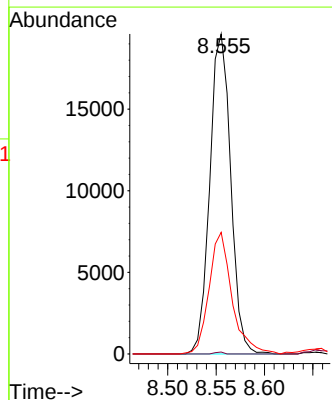
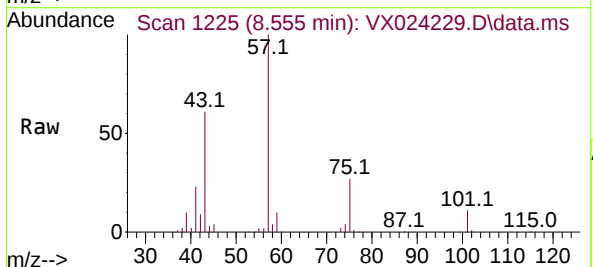
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

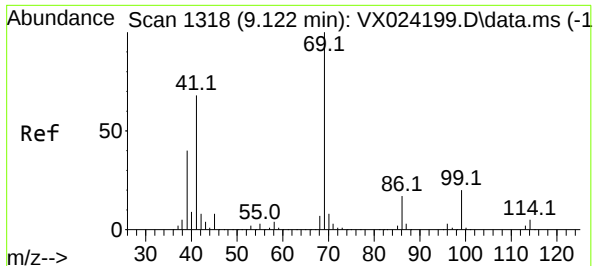
Tgt Ion: 43 Resp: 71759
Ion Ratio Lower Upper
43 100
58 9.2 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 11.278 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 75 Resp: 29477
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 38.0 35.1 52.7

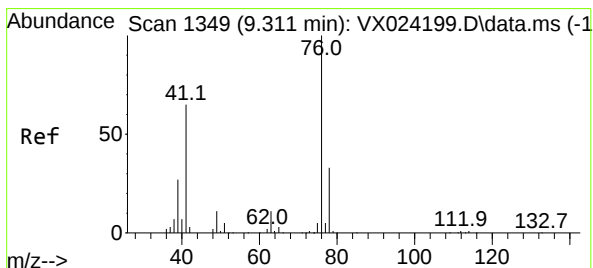
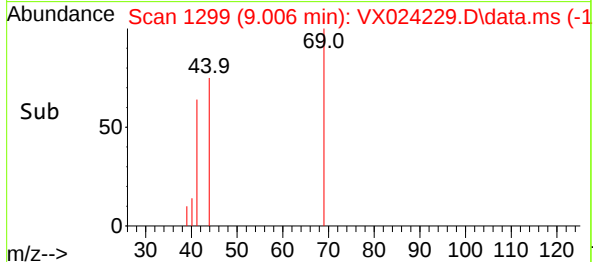
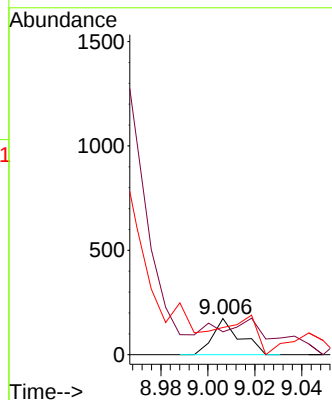
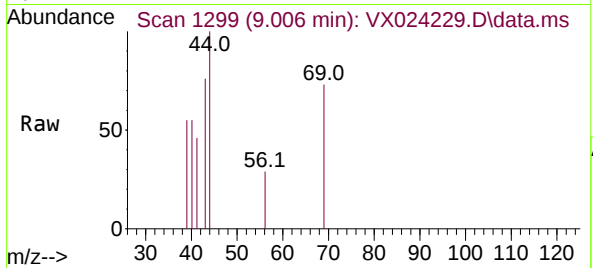




#56
Ethyl methacrylate
Concen: 1.409 ug/l
RT: 9.006 min Scan# 1299
Delta R.T. -0.116 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

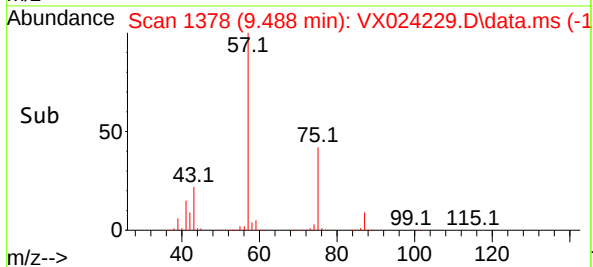
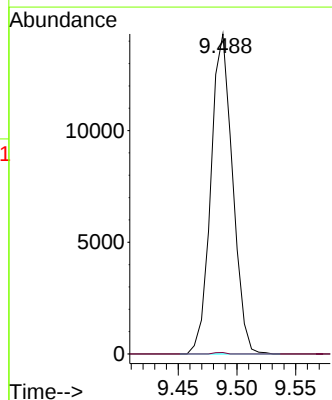
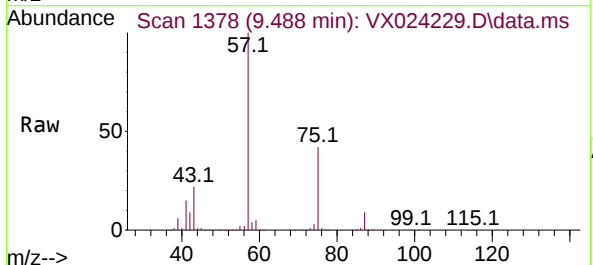
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

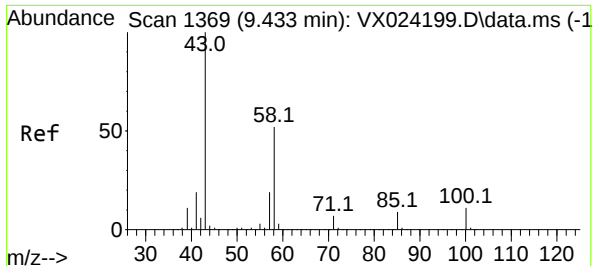
Tgt Ion: 69 Resp: 139
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 6.541 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 76 Resp: 18435
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

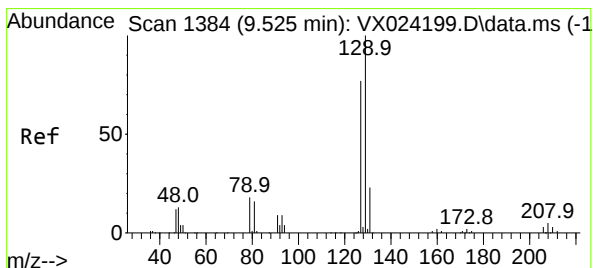
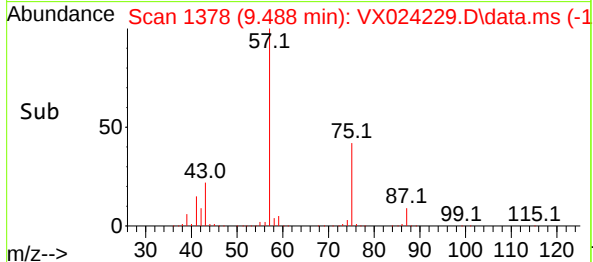
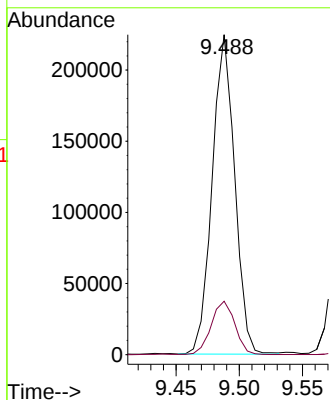
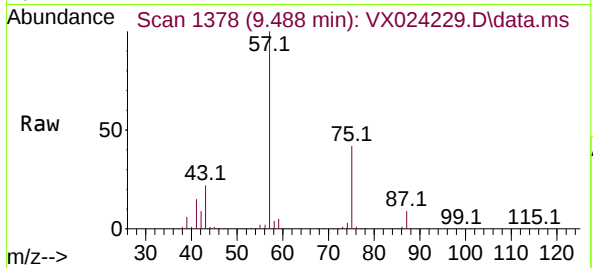




#59
2-Hexanone
Concen: 139.553 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

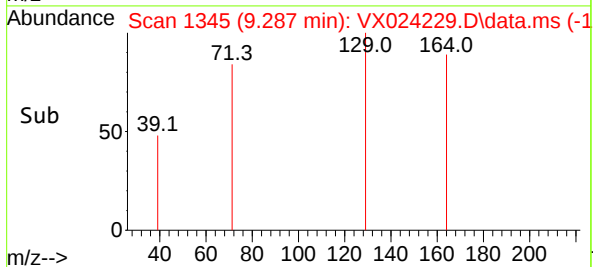
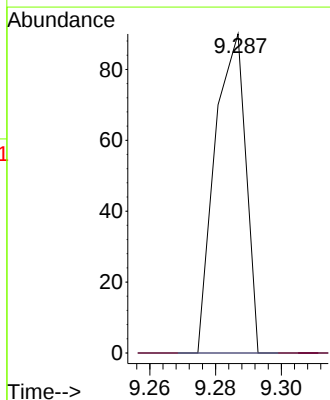
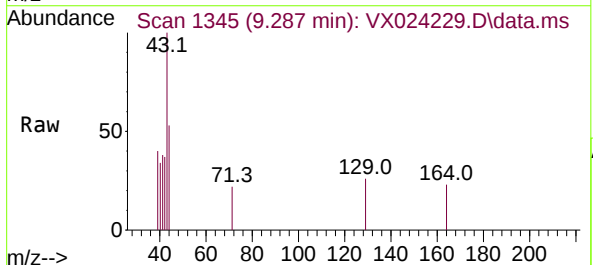
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

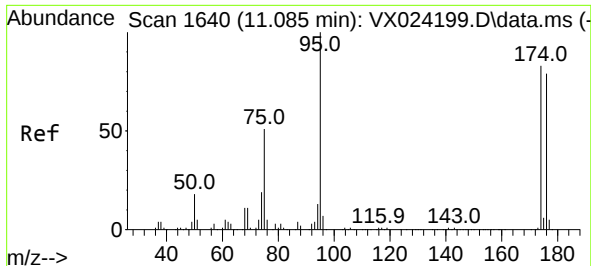
Tgt Ion: 43 Resp: 277818
Ion Ratio Lower Upper
43 100
58 17.5 30.9 92.8#



#60
Dibromochloromethane
Concen: 1.755 ug/l
RT: 9.287 min Scan# 1345
Delta R.T. -0.238 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion:129 Resp: 59
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

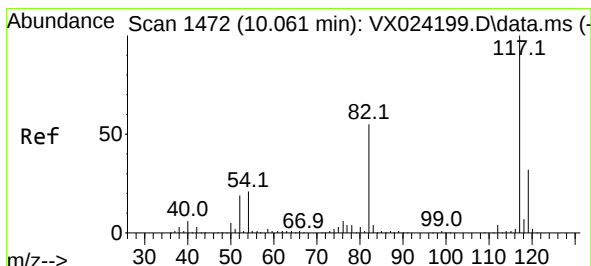
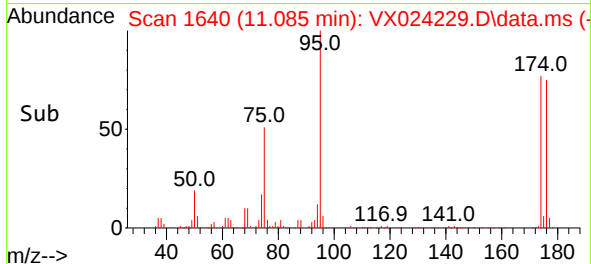
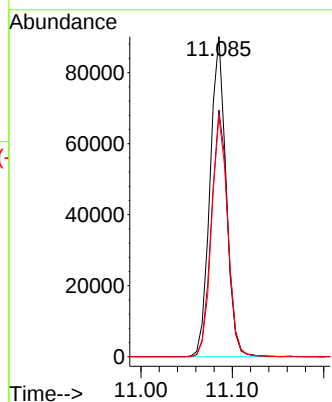
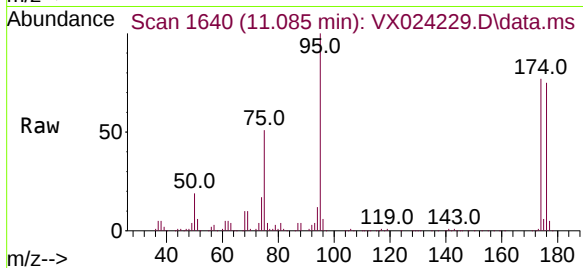




#62
4-Bromofluorobenzene
Concen: 48.911 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

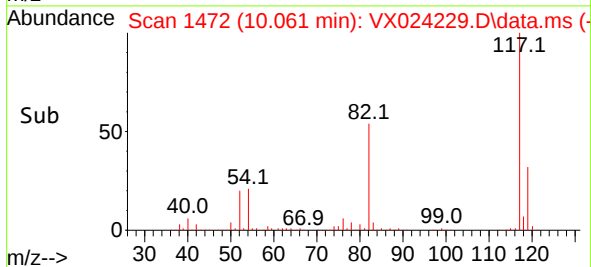
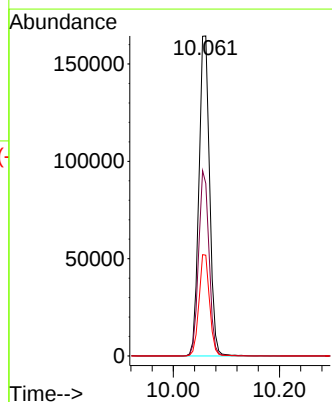
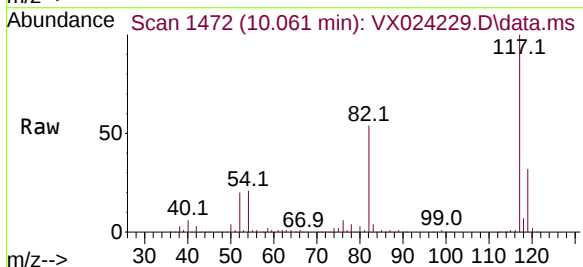
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

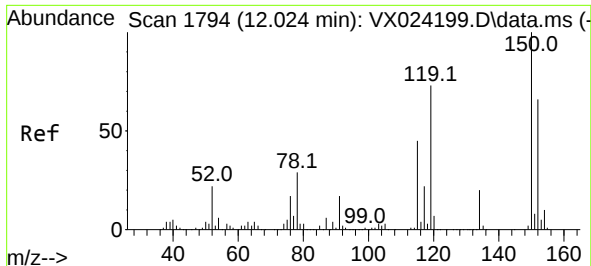
Tgt Ion: 95 Resp: 109334
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.6
176 75.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 117 Resp: 230855
Ion Ratio Lower Upper
117 100
82 53.9 47.4 71.2
119 31.5 26.6 39.8

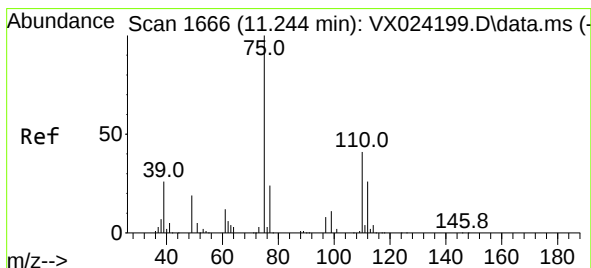
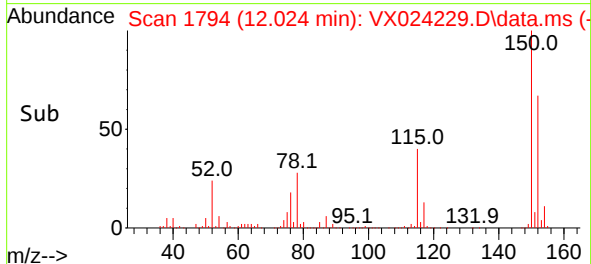
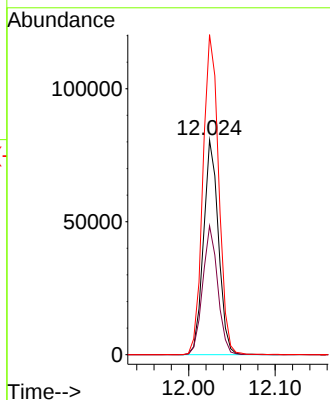
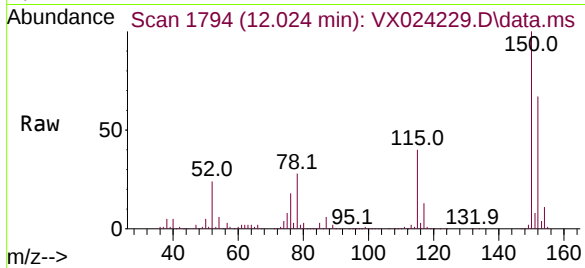




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024229.D
 Acq: 15 Sep 2021 00:32

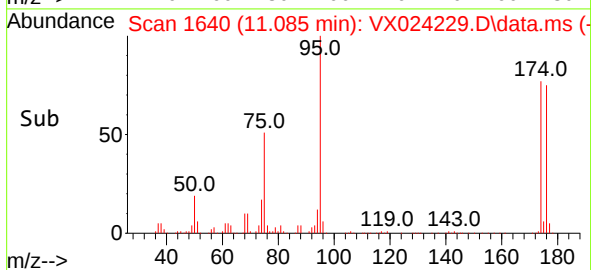
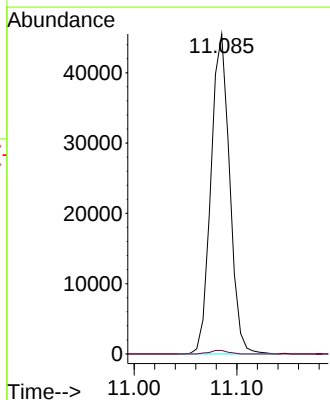
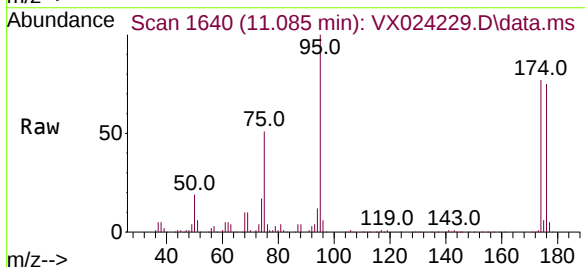
Instrument :
 MSVOA_X
 ClientSampleId :
 PB139075ZHE#02

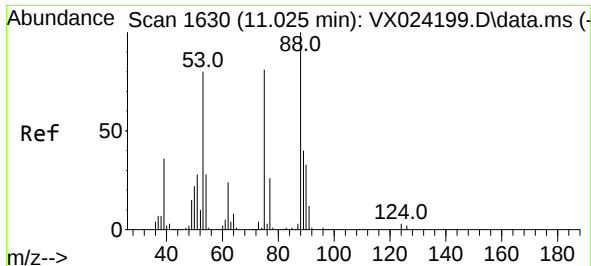
Tgt Ion:152 Resp: 96704
 Ion Ratio Lower Upper
 152 100
 115 60.1 41.1 123.3
 150 157.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.897 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024229.D
 Acq: 15 Sep 2021 00:32

Tgt Ion: 75 Resp: 57586
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

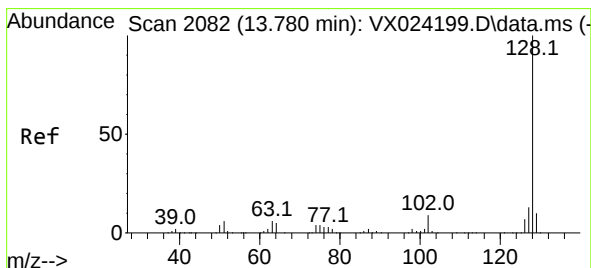
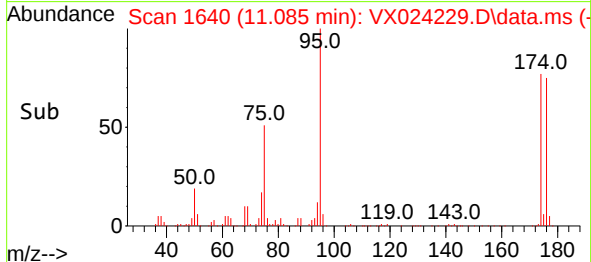
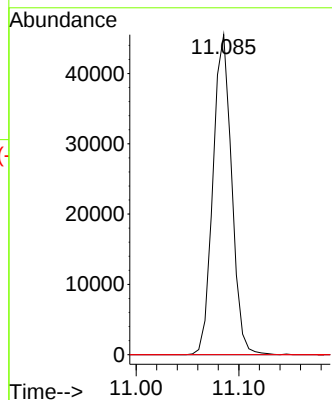
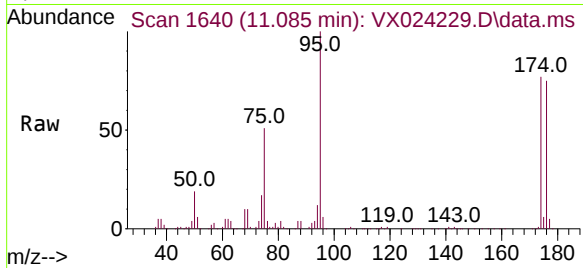




#81
trans-1,4-Dichloro-2-butene
Concen: 76.165 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#02

Tgt Ion: 75 Resp: 57586
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.331 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024229.D
Acq: 15 Sep 2021 00:32

Tgt Ion: 128 Resp: 312
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 8.7 8.8 13.2#

