

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024231.D
 Acq On : 15 Sep 2021 01:19
 Operator : JC/MD
 Sample : PB139075ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB139075ZHE#04

Quant Time: Sep 15 02:01:40 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)

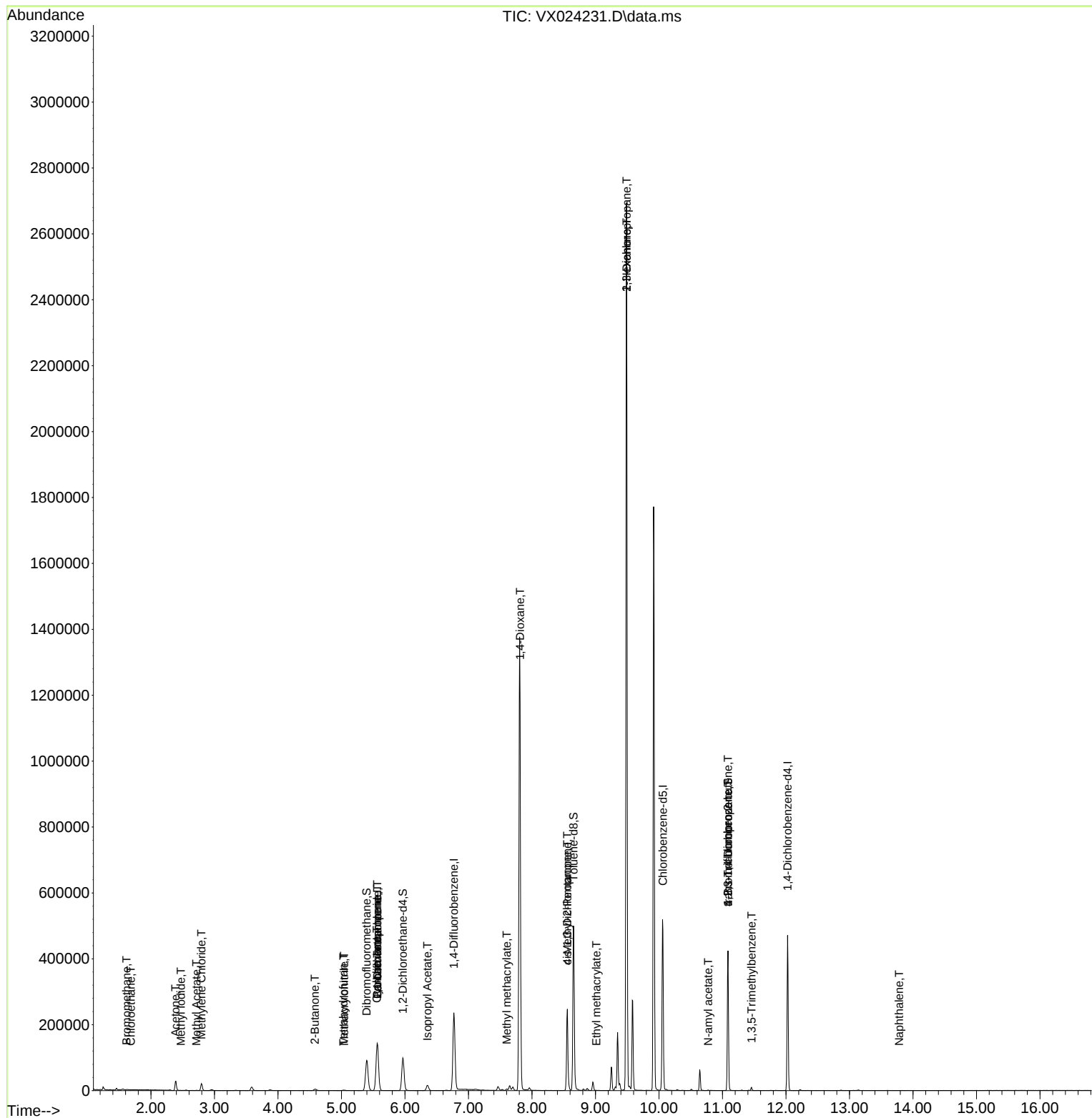
Internal Standards						
1) Pentafluorobenzene	5.562	168	132640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229311	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	224430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100048	52.896	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.800%			
35) Dibromofluoromethane	5.398	113	77101	50.135	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.280%			
50) Toluene-d8	8.653	98	287762	51.364	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.720%			
62) 4-Bromofluorobenzene	11.086	95	106188	48.705	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.400%			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	523	0.663	ug/l	82
6) Chloroethane	1.685	64	92	2.084	ug/l #	43
10) Methyl Iodide	2.471	142	563	0.312	ug/l #	90
11) Tert butyl alcohol	2.947	59	2153	Below Cal	#	73
16) Acetone	2.386	43	30886	38.297	ug/l	89
18) Methyl Acetate	2.715	43	1236	0.489	ug/l #	74
20) Methylene Chloride	2.794	84	9225	5.957	ug/l	91
25) 2-Butanone	4.581	43	5248	4.418	ug/l #	85
29) Tetrahydrofuran	5.032	42	1321	1.777	ug/l #	75
31) Cyclohexane	5.556	56	3259	1.473	ug/l #	16
36) 1,1-Dichloropropene	5.562	75	10497	4.979	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13509	5.693	ug/l #	16
41) Methacrylonitrile	5.044	41	868	0.663	ug/l #	44
43) Isopropyl Acetate	6.355	43	21949	5.613	ug/l	94
48) Methyl methacrylate	7.604	41	6091	3.122	ug/l #	10
49) 1,4-Dioxane	7.812	88	208	5.091	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	84392	33.867	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	36002	14.122	ug/l #	66
56) Ethyl methacrylate	9.013	69	99	1.397	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	21742	7.910	ug/l #	42
59) 2-Hexanone	9.488	43	324658	167.204	ug/l #	42
74) N-amyl acetate	10.775	43	683	0.231	ug/l #	38
76) 1,2,3-Trichloropropane	11.086	75	56938	26.213	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4366	0.736	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.086	75	56938	77.093	ug/l #	12
95) Naphthalene	13.780	128	166	1.311	ug/l #	69

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

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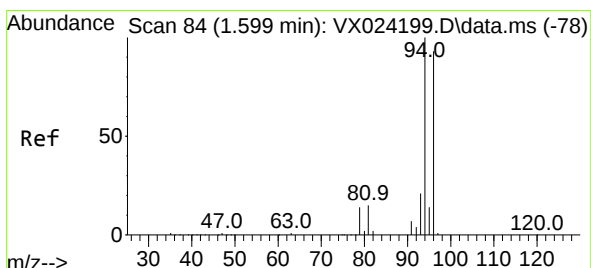
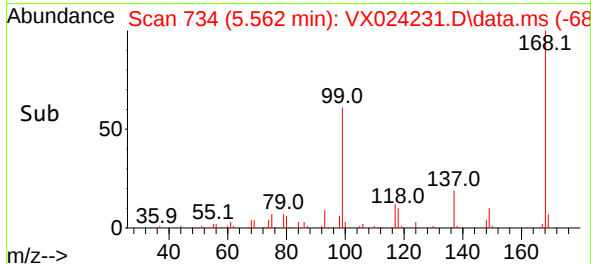
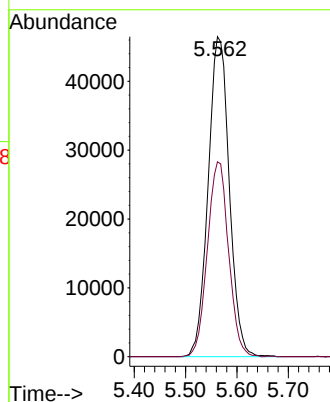
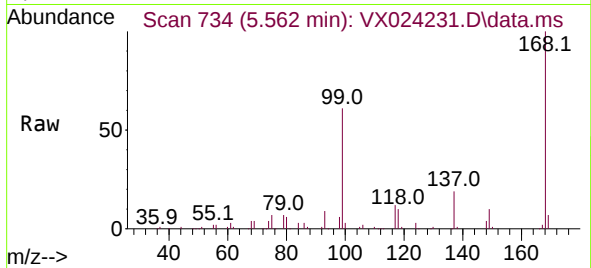




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

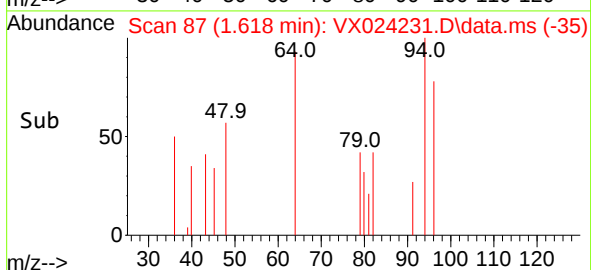
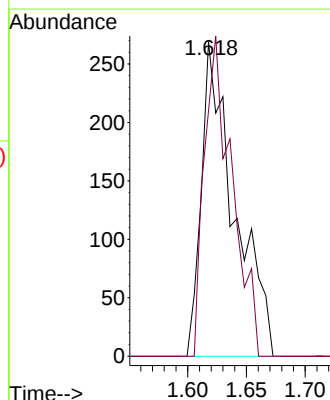
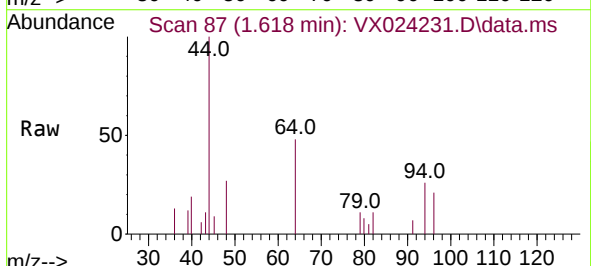
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

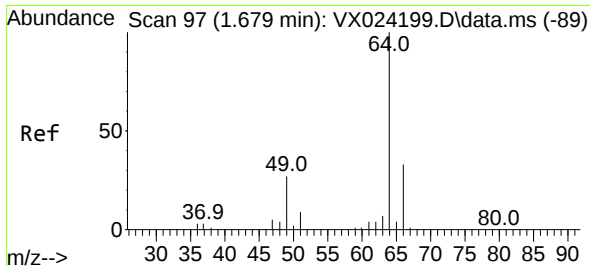
Tgt Ion:168 Resp: 132640
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.6



#5
Bromomethane
Concen: 0.663 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 94 Resp: 523
Ion Ratio Lower Upper
94 100
96 78.1 76.4 114.6

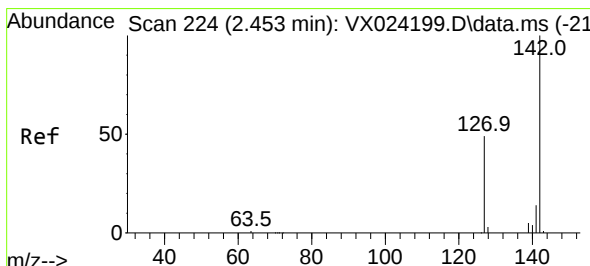
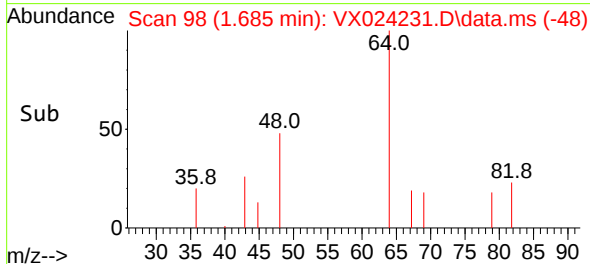
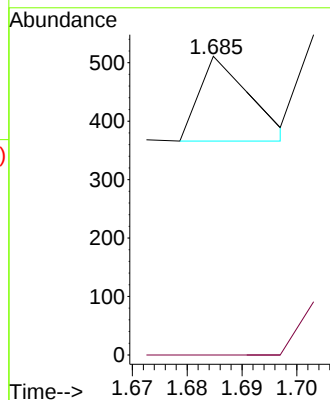
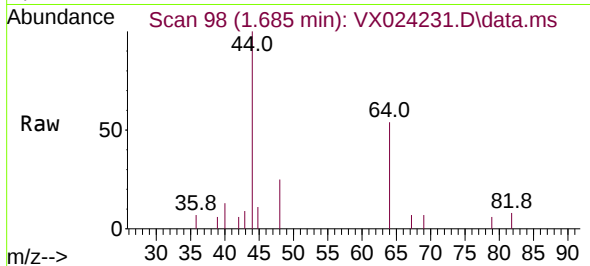




#6
Chloroethane
Concen: 2.084 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

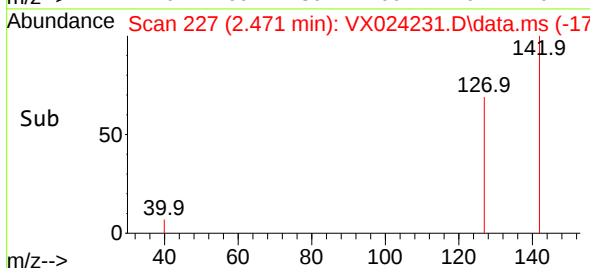
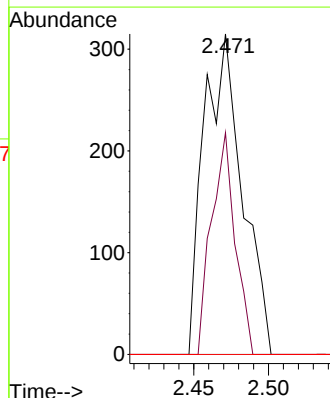
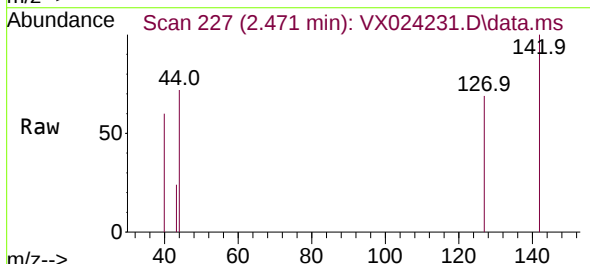
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

Tgt Ion: 64 Resp: 92
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.312 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 142 Resp: 563
Ion Ratio Lower Upper
142 100
127 42.6 33.3 49.9
141 0.0 11.4 17.0#



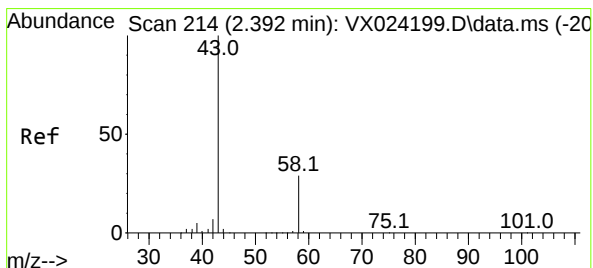
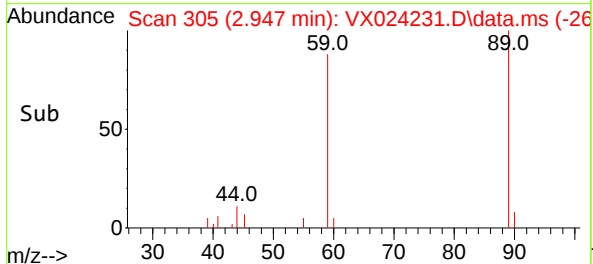
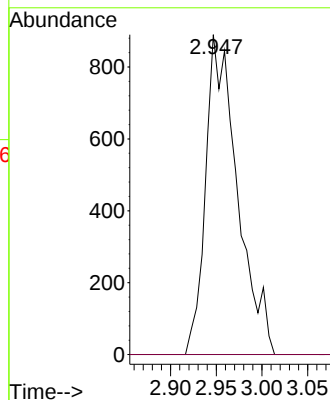
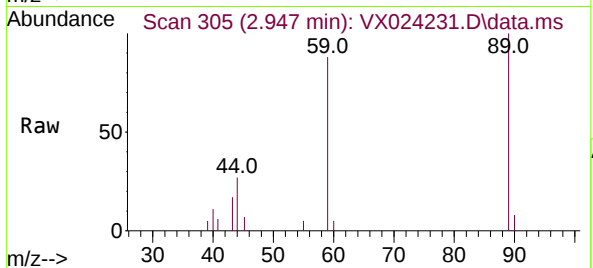


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

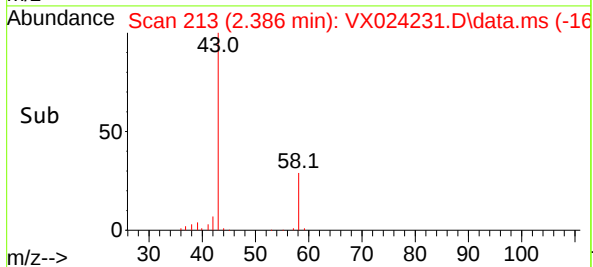
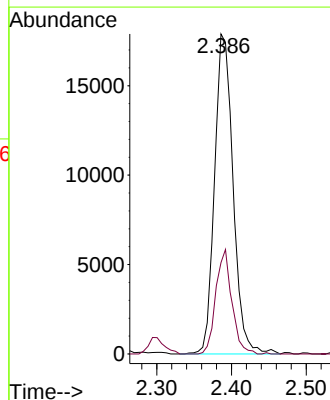
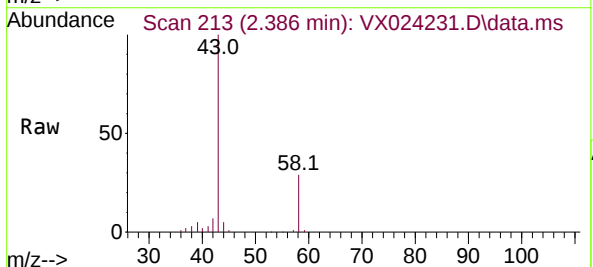
Tgt Ion: 59 Resp: 2153
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

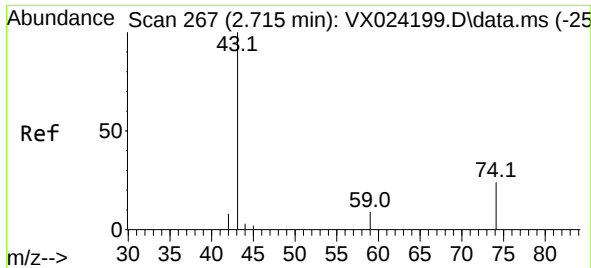


#16

Acetone
Concen: 38.297 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 43 Resp: 30886
Ion Ratio Lower Upper
43 100
58 28.6 27.8 41.8

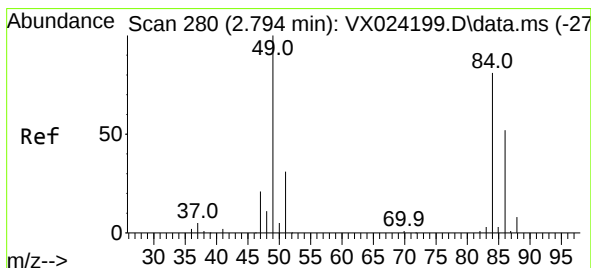
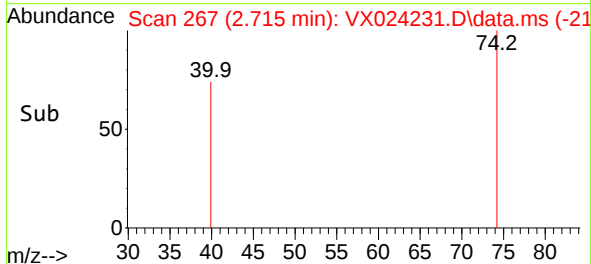
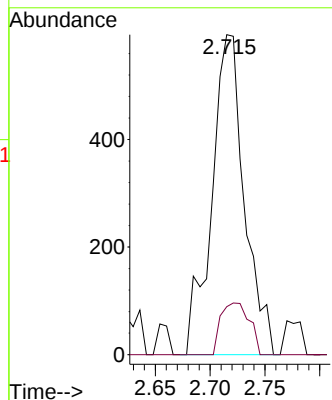
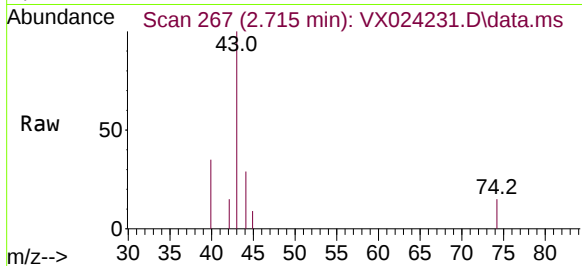




#18
Methyl Acetate
Concen: 0.489 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

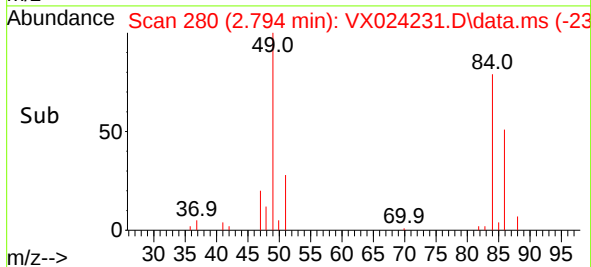
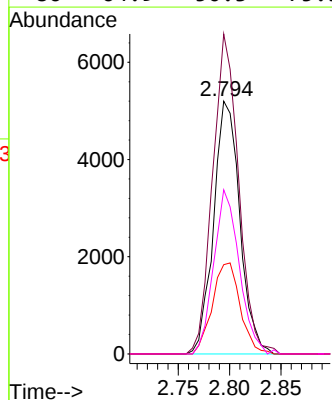
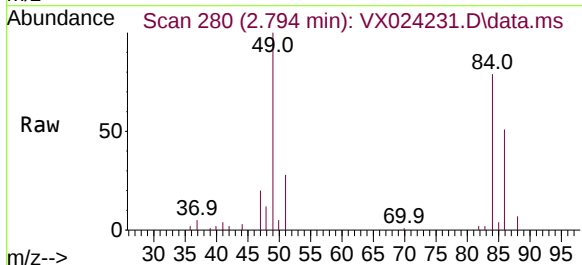
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

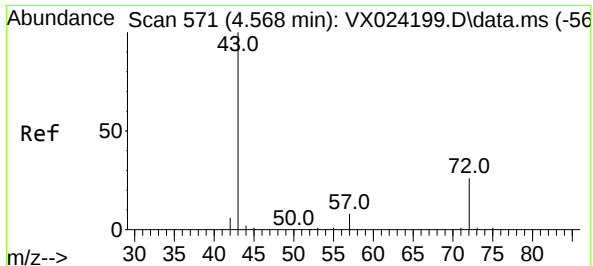
Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
74 14.1 21.9 32.9#



#20
Methylene Chloride
Concen: 5.957 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 84 Resp: 9225
Ion Ratio Lower Upper
84 100
49 126.5 88.6 132.8
51 35.3 27.0 40.6
86 64.9 50.3 75.5

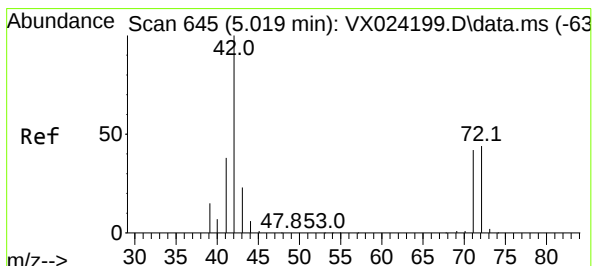
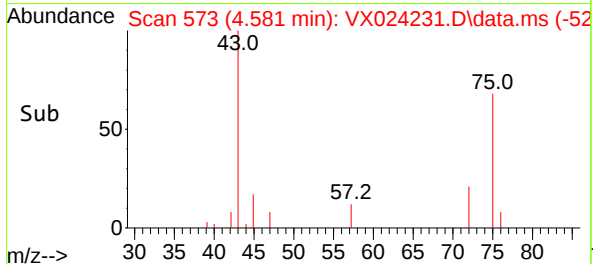
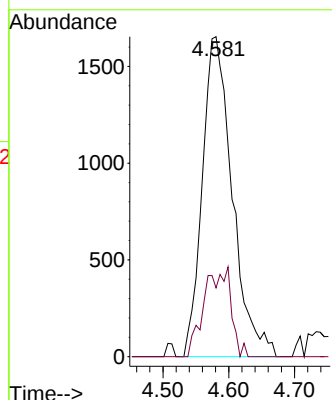
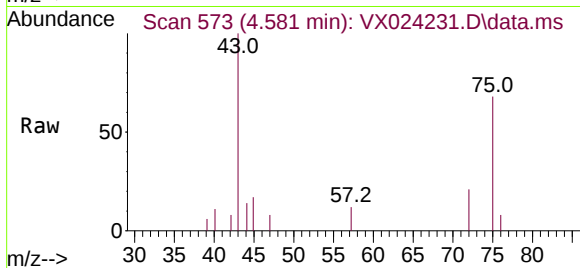




#25
2-Butanone
Concen: 4.418 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

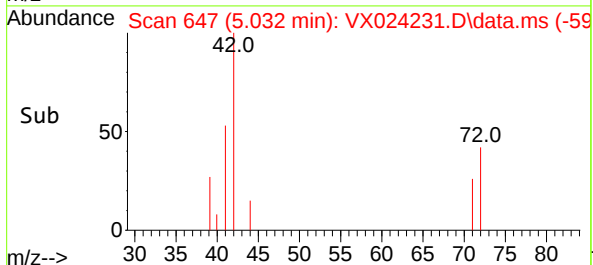
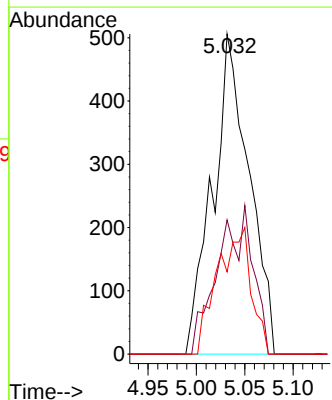
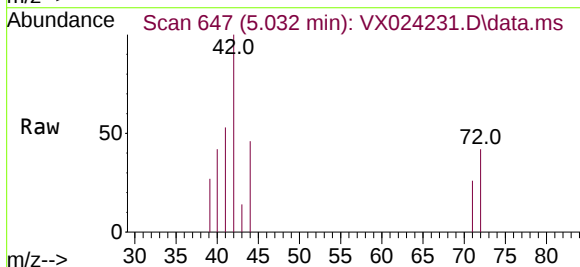
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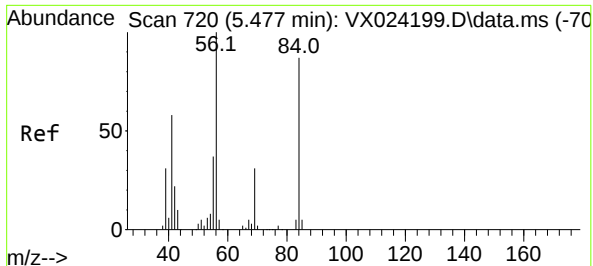
Tgt Ion: 43 Resp: 5248
Ion Ratio Lower Upper
43 100
72 21.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.777 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 42 Resp: 1321
Ion Ratio Lower Upper
42 100
72 28.6 41.7 62.5#
71 36.7 38.4 57.6#

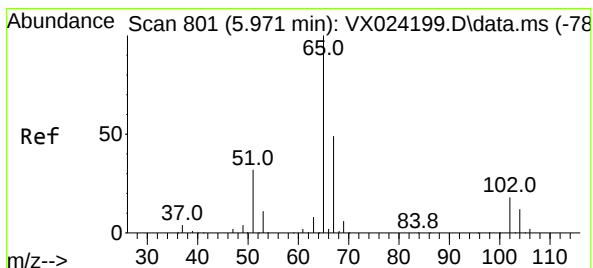
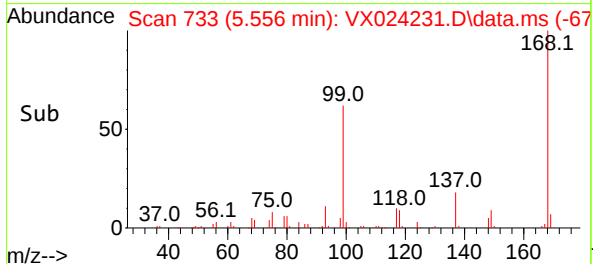
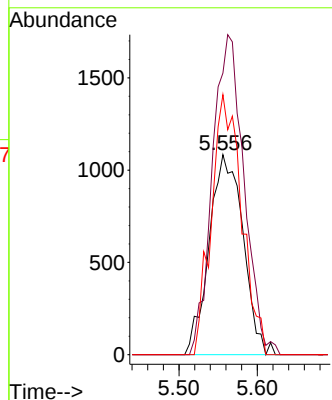
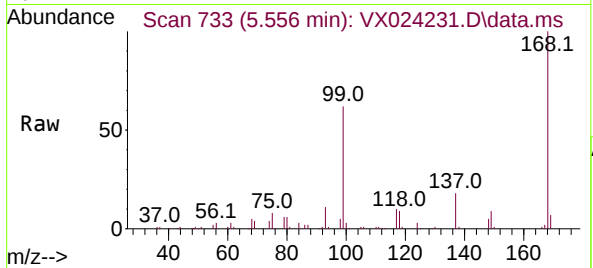




#31
Cyclohexane
Concen: 1.473 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

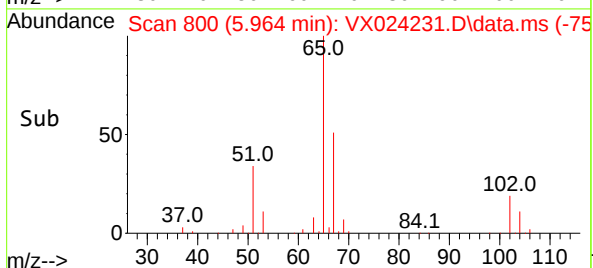
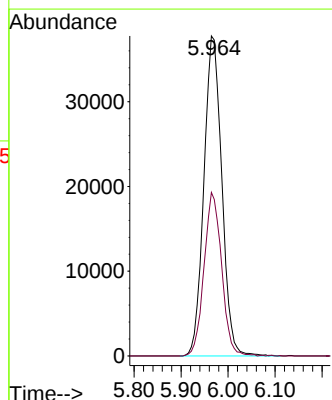
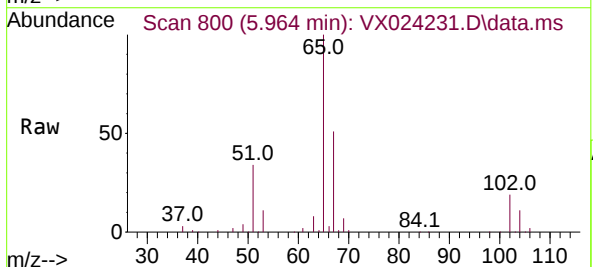
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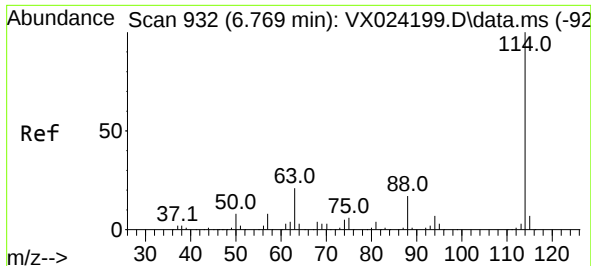
Tgt Ion: 56 Resp: 3259
Ion Ratio Lower Upper
56 100
69 140.8 25.3 37.9#
84 130.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.896 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 65 Resp: 100048
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

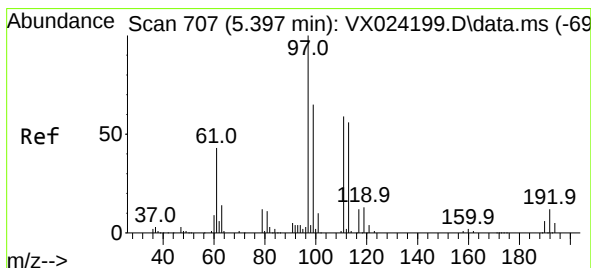
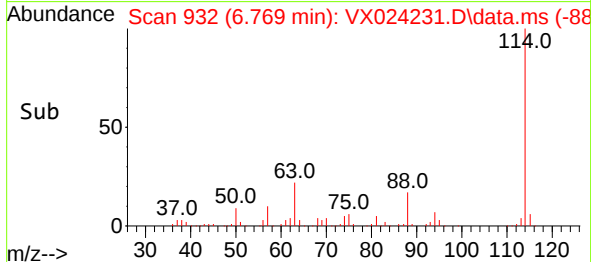
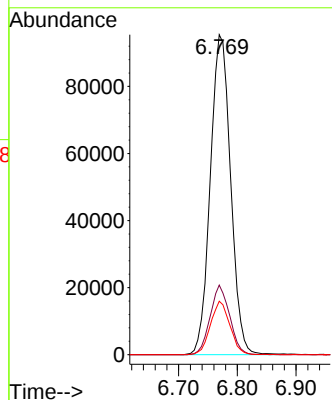
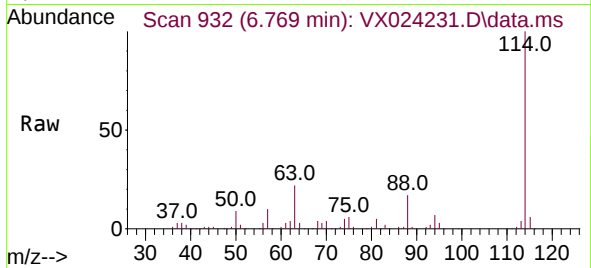




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

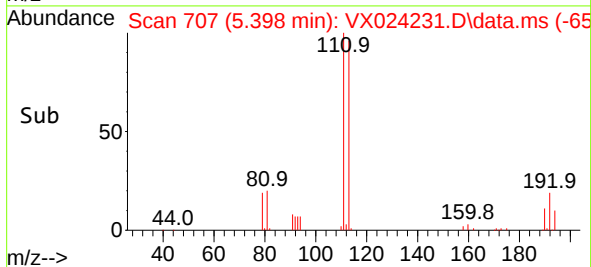
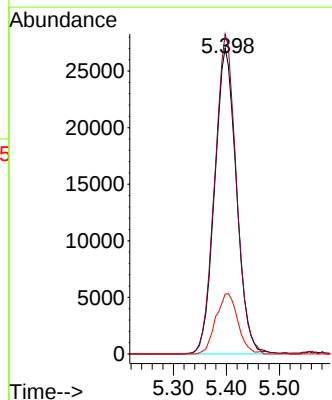
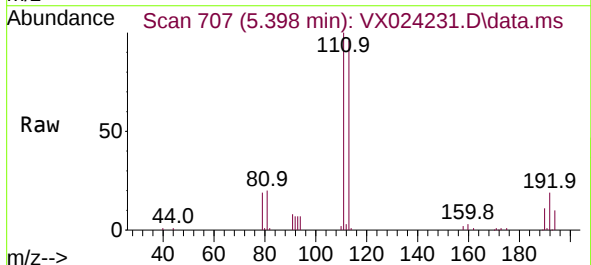
Instrument :
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PB139075ZHE#04

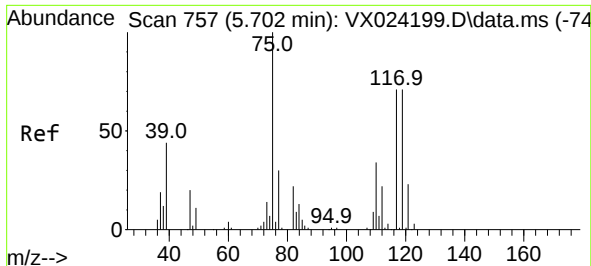
Tgt Ion:114 Resp: 229311
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.135 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion:113 Resp: 77101
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 19.9 16.7 25.1

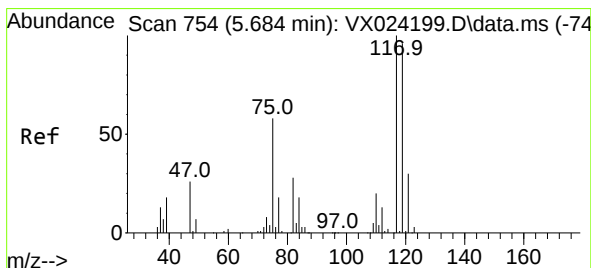
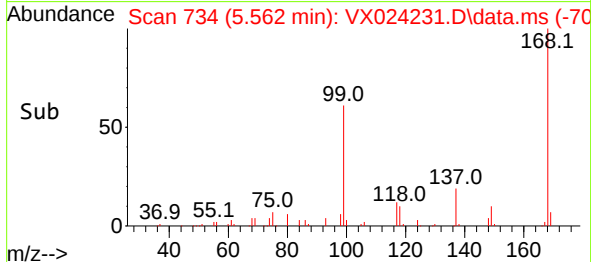
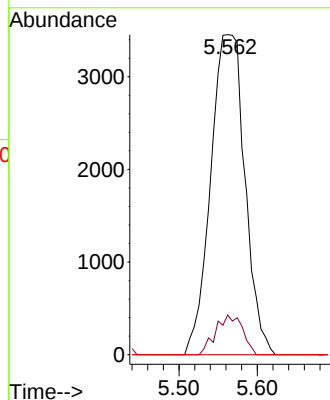
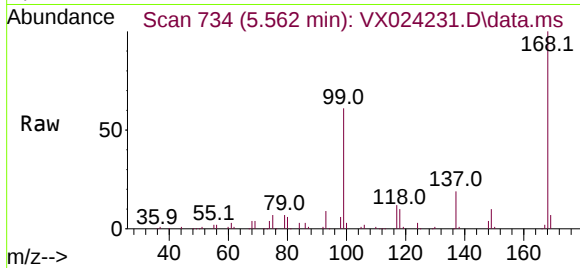




#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

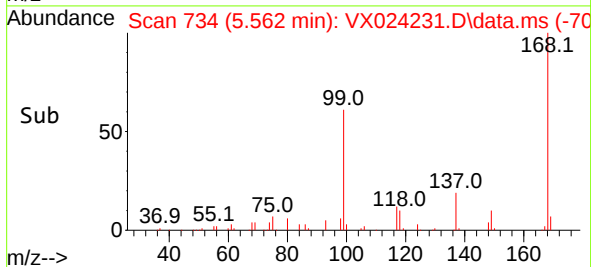
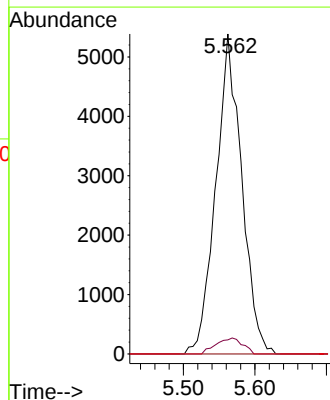
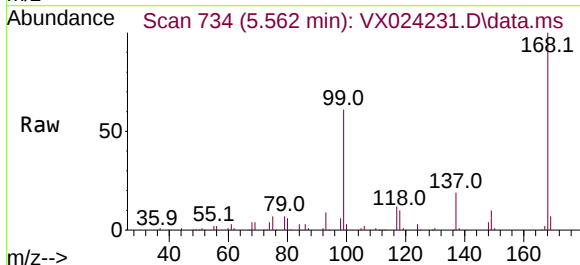
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

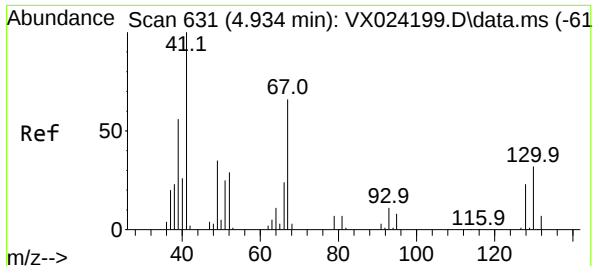
Tgt Ion: 75 Resp: 10497
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.693 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 117 Resp: 13509
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#

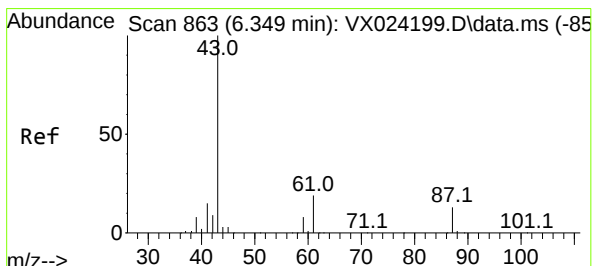
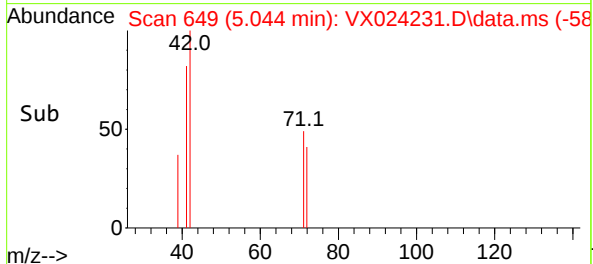
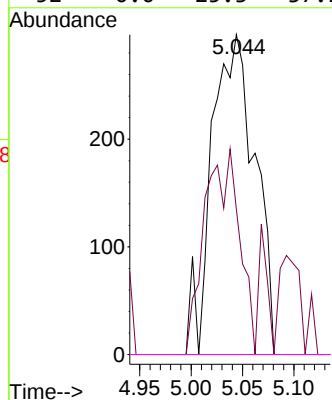
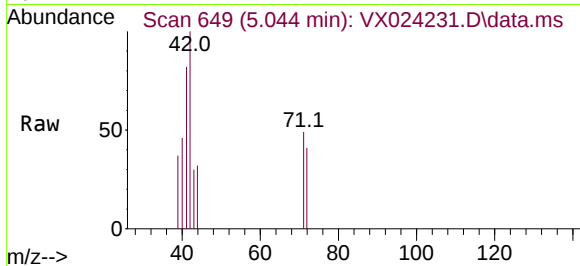




#41
Methacrylonitrile
Concen: 0.663 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.110 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

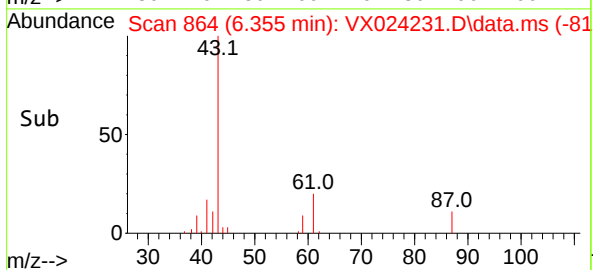
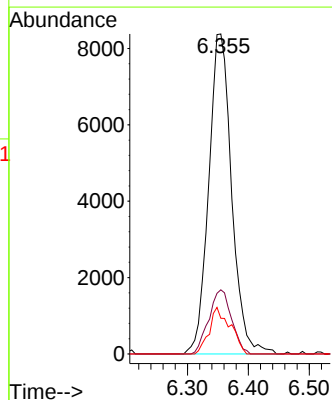
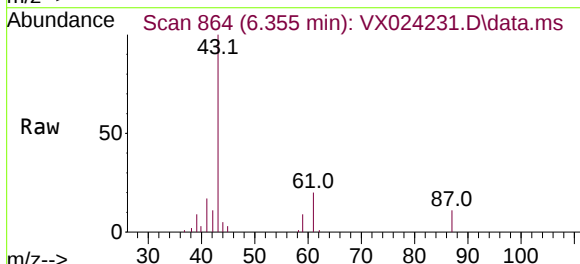
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

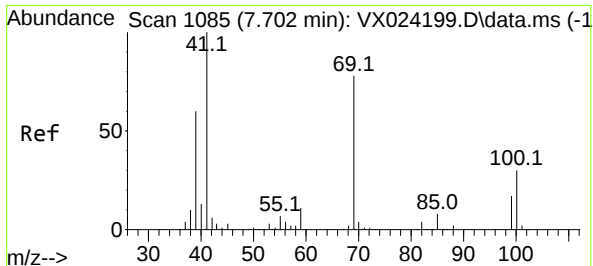
Tgt Ion:	41	Resp:	868
Ion	Ratio	Lower	Upper
41	100		
39	51.6	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.613 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion:	43	Resp:	21949
Ion	Ratio	Lower	Upper
43	100		
61	19.8	18.2	27.4
87	13.3	12.5	18.7





#48

Methyl methacrylate

Concen: 3.122 ug/l

RT: 7.604 min Scan# 1069

Delta R.T. -0.098 min

Lab File: VX024231.D

Acq: 15 Sep 2021 01:19

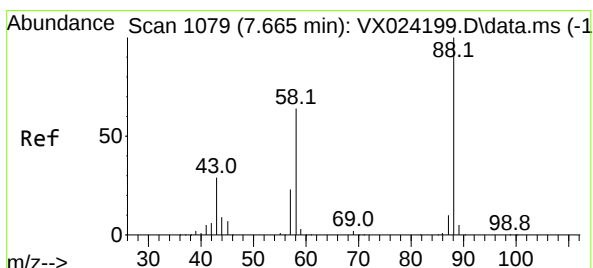
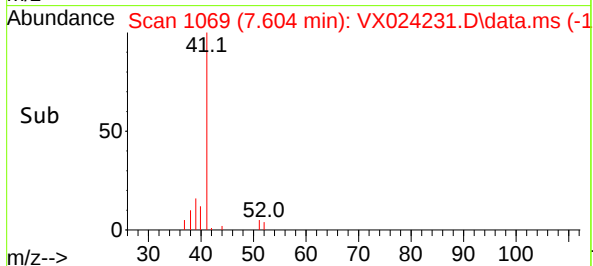
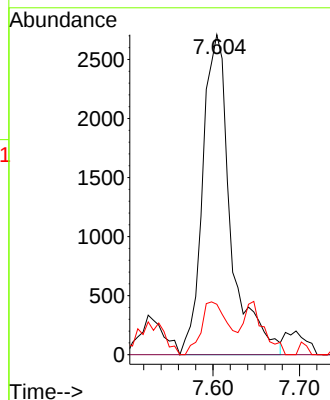
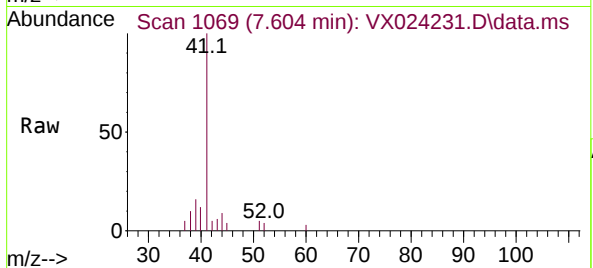
Tgt Ion:	41	Resp:	6091
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

Instrument :

MSVOA_X

ClientSampleId :

PB139075ZHE#04



#49

1,4-Dioxane

Concen: 5.091 ug/l

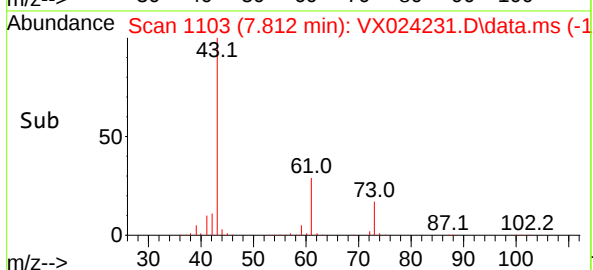
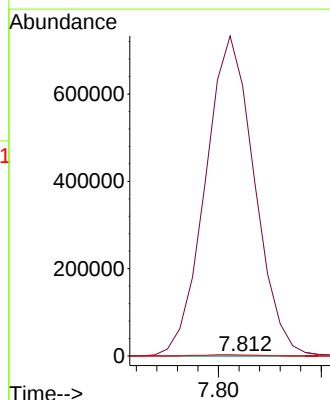
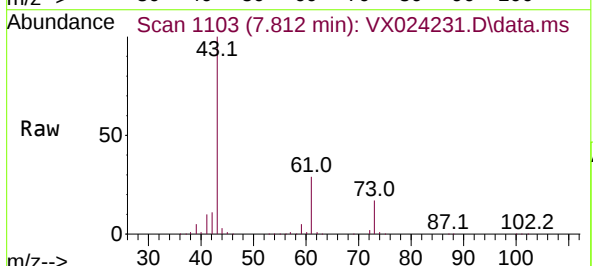
RT: 7.812 min Scan# 1103

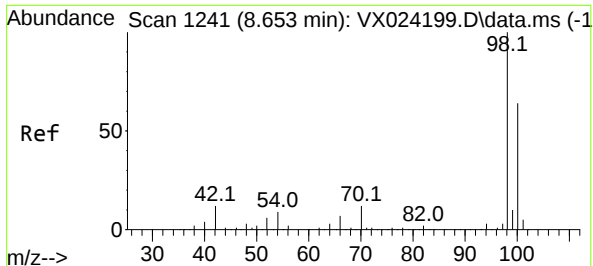
Delta R.T. 0.147 min

Lab File: VX024231.D

Acq: 15 Sep 2021 01:19

Tgt Ion:	88	Resp:	208
Ion	Ratio	Lower	Upper
88	100		
43	587937.0	23.2	34.8#
58	2510.6	55.0	82.4#





#50

Toluene-d8

Concen: 51.364 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX024231.D

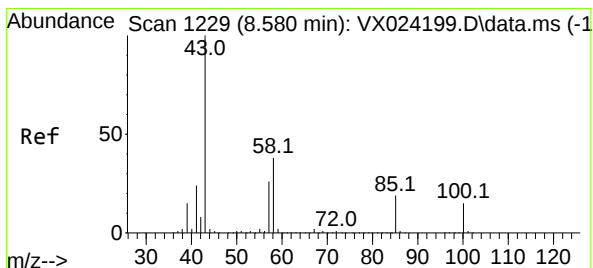
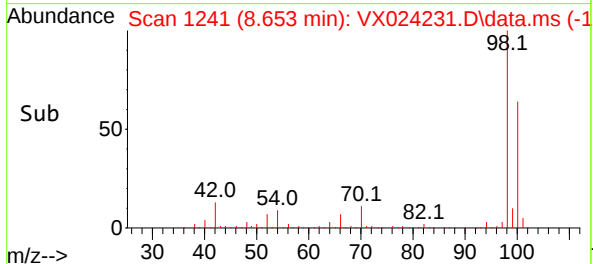
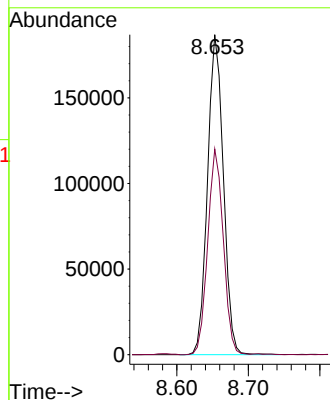
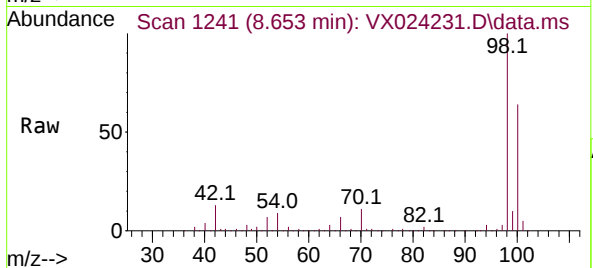
Acq: 15 Sep 2021 01:19

Tgt Ion: 98 Resp: 287762

Ion Ratio Lower Upper

98 100

100 63.2 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 33.867 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX024231.D

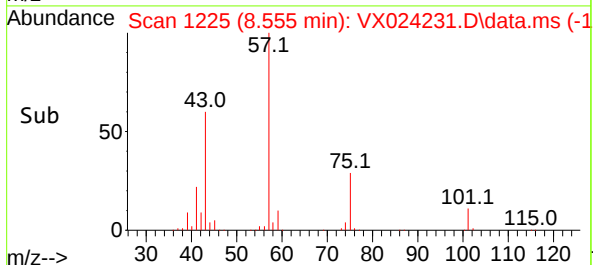
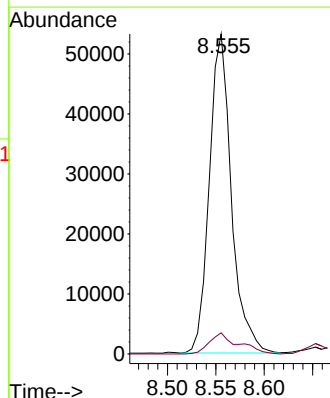
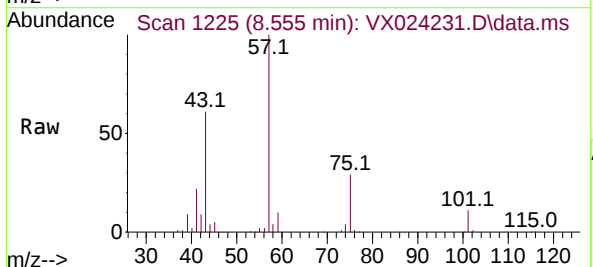
Acq: 15 Sep 2021 01:19

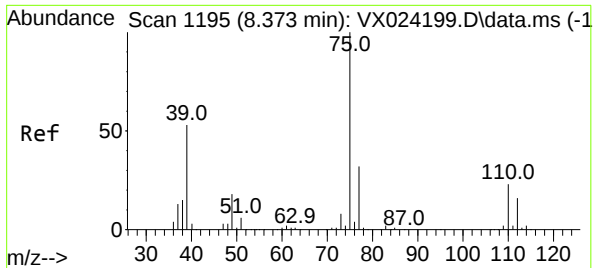
Tgt Ion: 43 Resp: 84392

Ion Ratio Lower Upper

43 100

58 8.7 35.4 53.0#

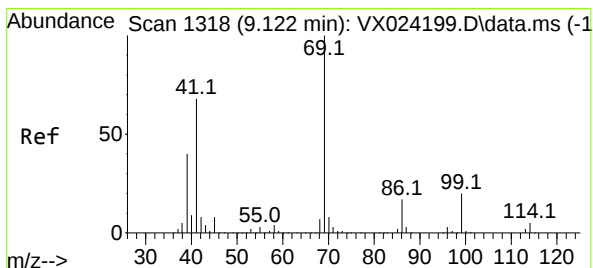
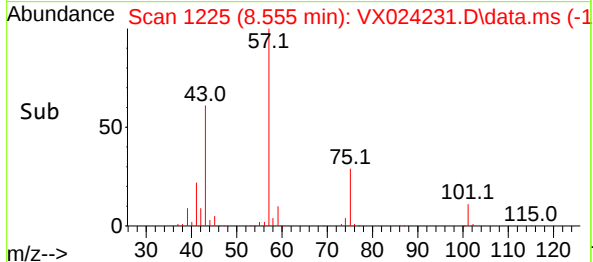
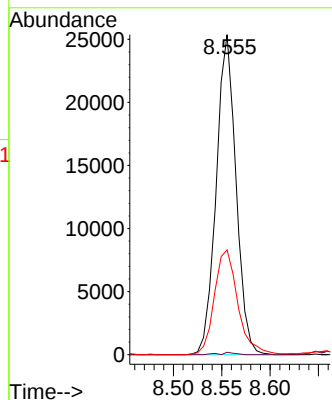
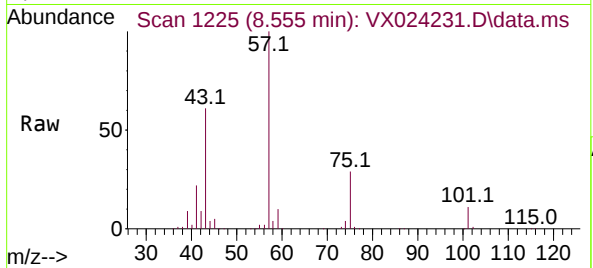




#54
cis-1,3-Dichloropropene
Concen: 14.122 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

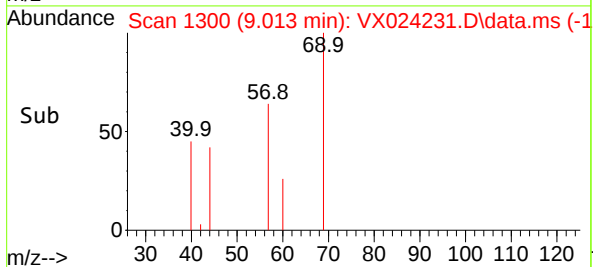
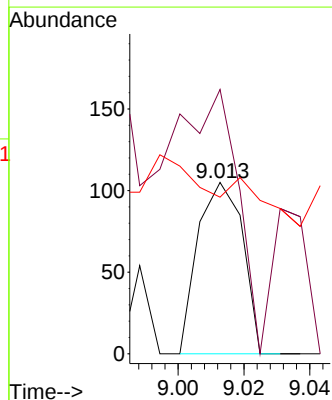
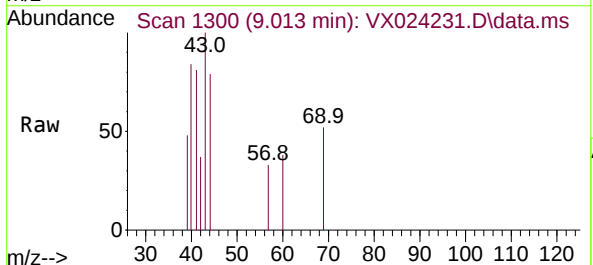
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

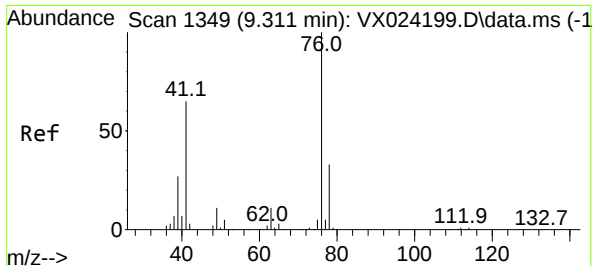
Tgt Ion: 75 Resp: 36002
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 32.8 35.1 52.7#



#56
Ethyl methacrylate
Concen: 1.397 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.109 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 69 Resp: 99
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



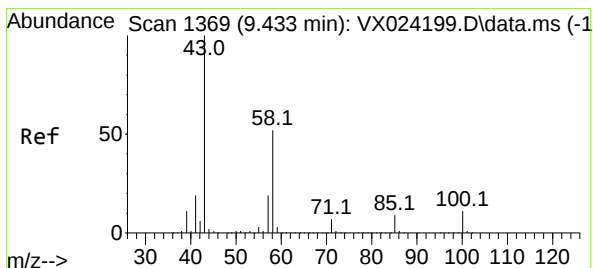
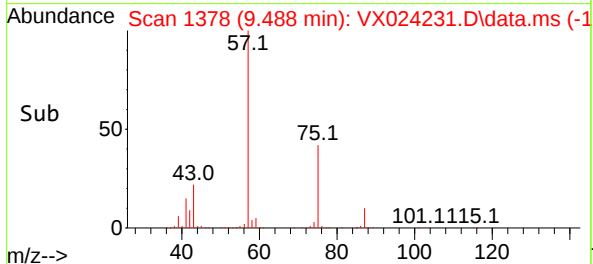
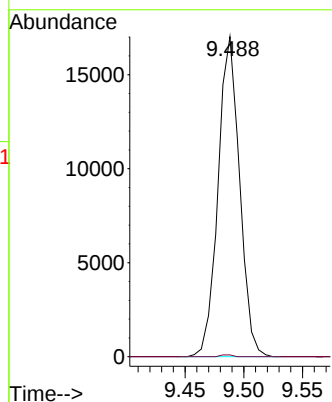
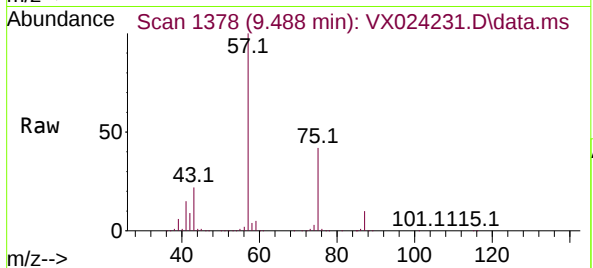


#57

1,3-Dichloropropane
Concen: 7.910 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

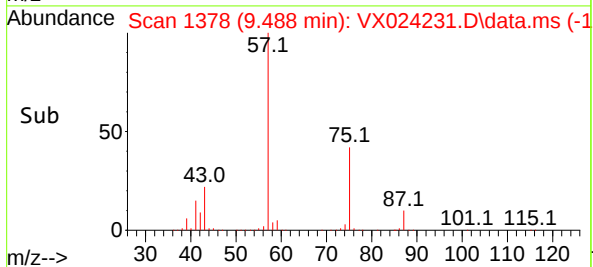
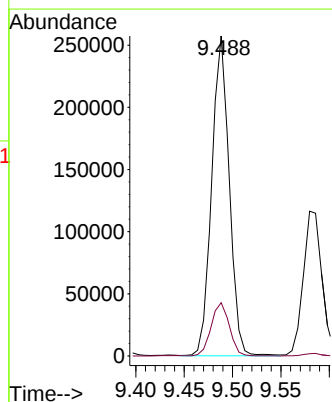
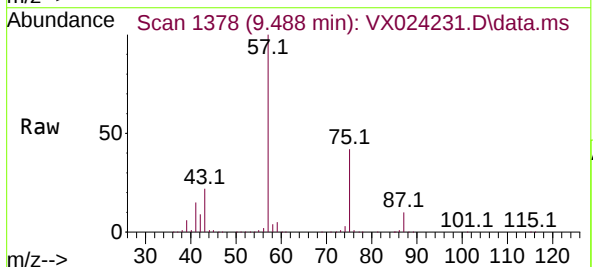
Tgt Ion: 76 Resp: 21742
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

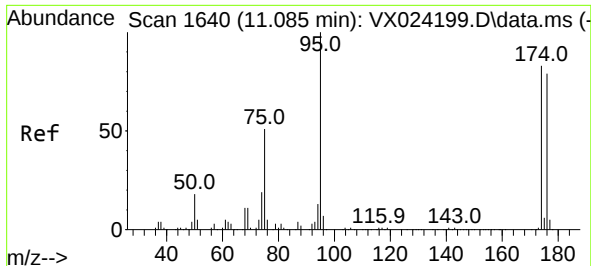


#59

2-Hexanone
Concen: 167.204 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 43 Resp: 324658
Ion Ratio Lower Upper
43 100
58 17.3 30.9 92.8#

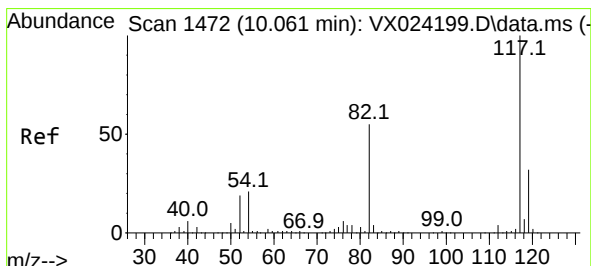
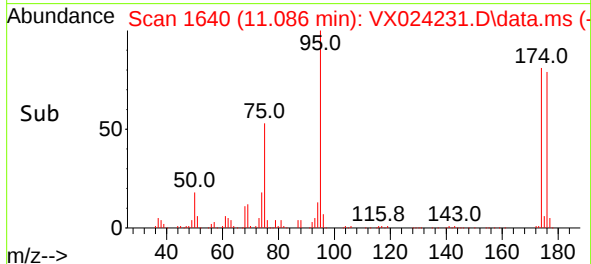
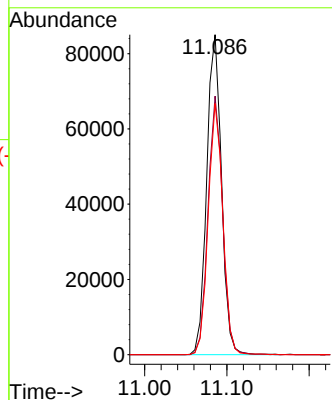
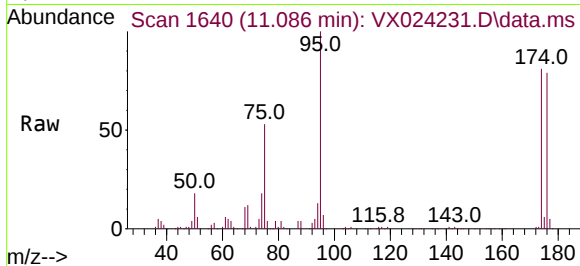




#62
4-Bromofluorobenzene
Concen: 48.705 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.001 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

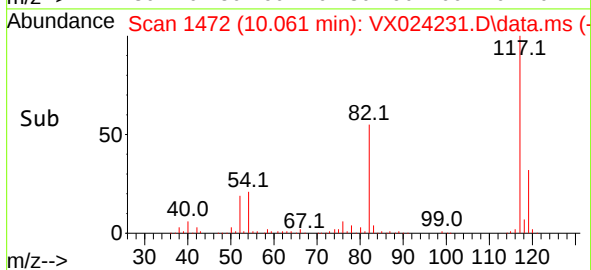
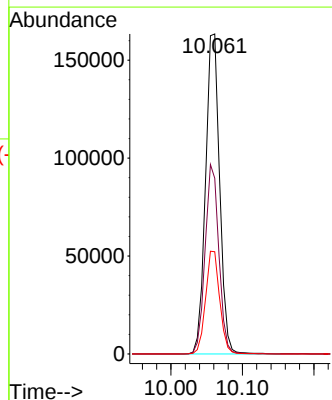
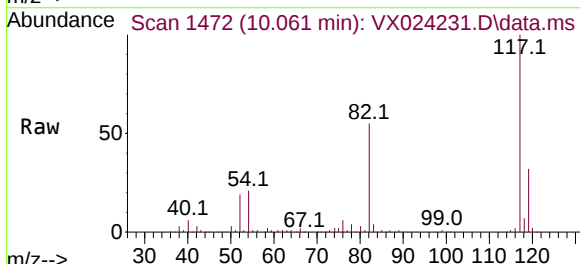
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

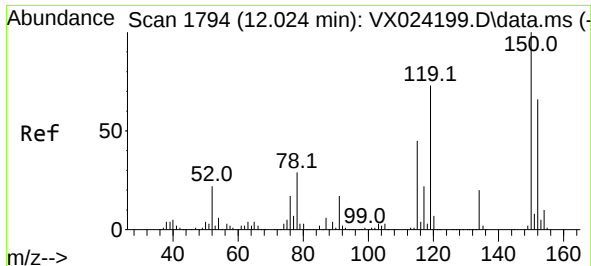
Tgt Ion: 95 Resp: 106188
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 77.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 117 Resp: 224430
Ion Ratio Lower Upper
117 100
82 54.9 47.4 71.2
119 32.0 26.6 39.8

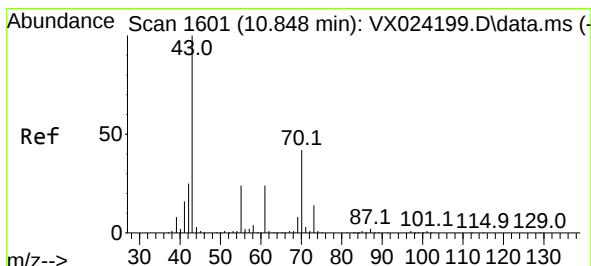
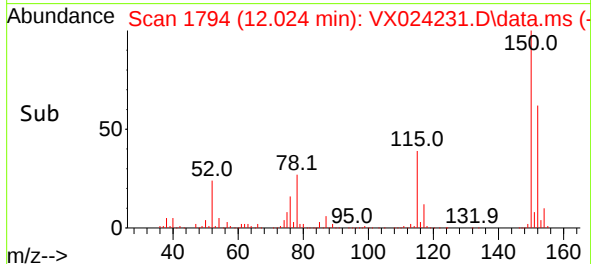
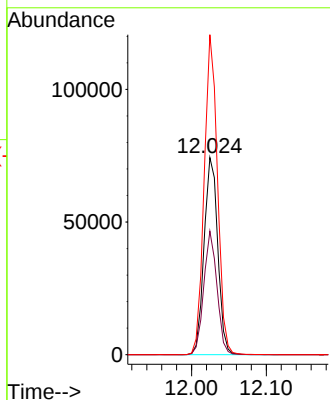
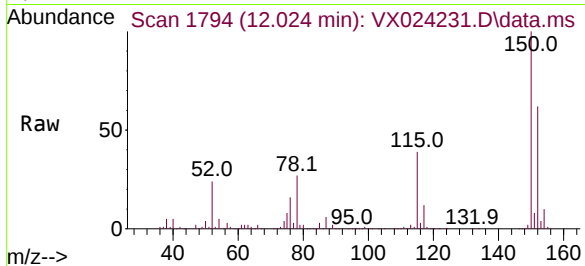




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

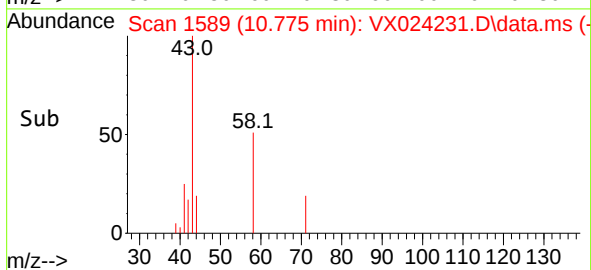
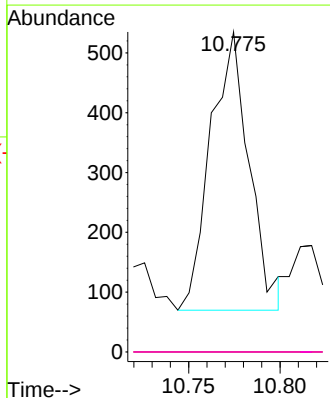
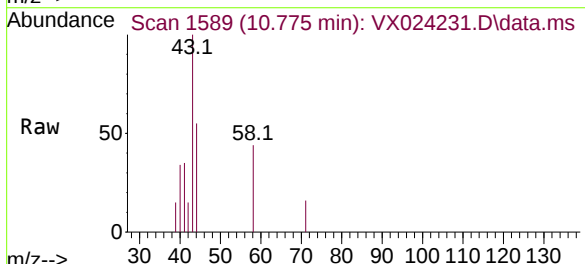
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

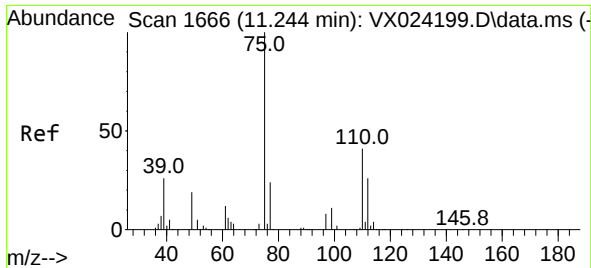
Tgt Ion:152 Resp: 94464
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 157.4 0.0 349.0



#74
N-ethyl acetate
Concen: 0.231 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

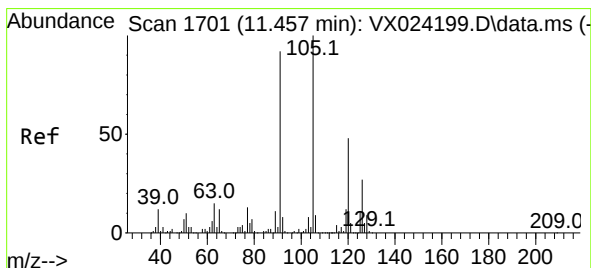
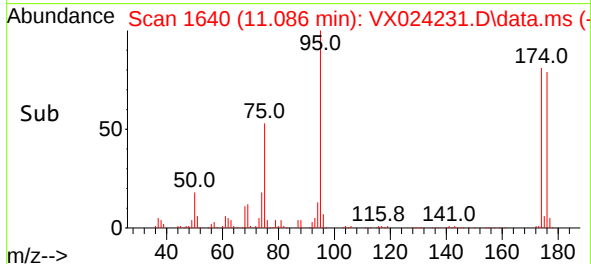
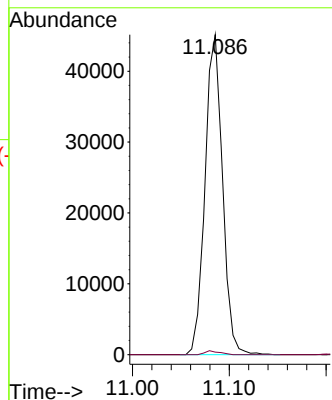
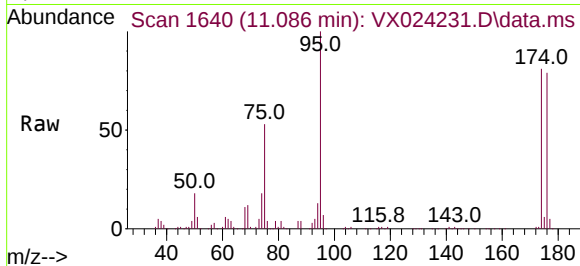




#76
1,2,3-Trichloropropane
Concen: 26.213 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

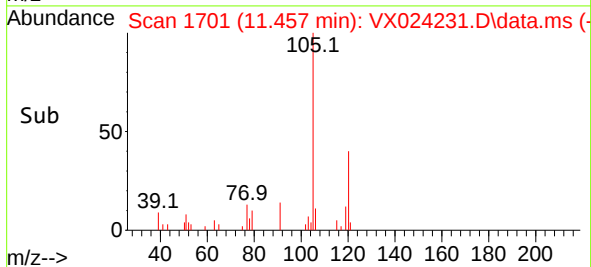
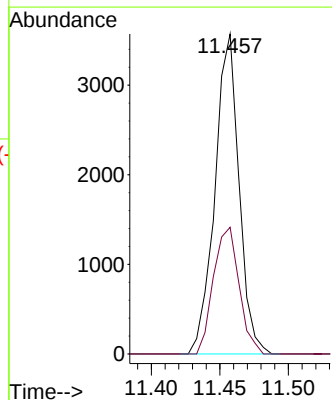
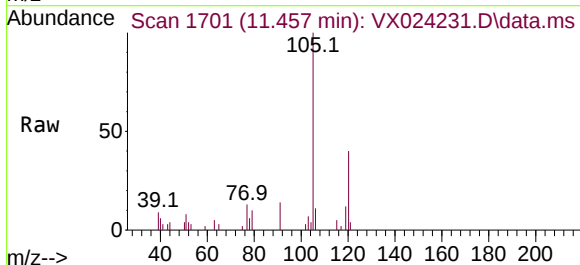
Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

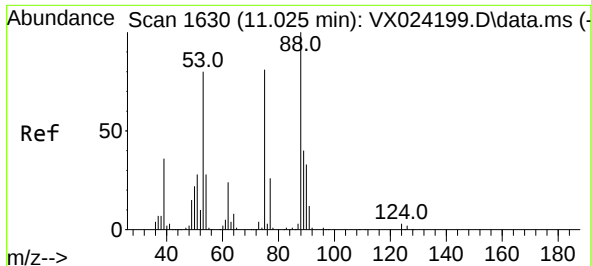
Tgt Ion: 75 Resp: 56938
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.736 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion: 105 Resp: 4366
Ion Ratio Lower Upper
105 100
120 42.1 23.8 71.5

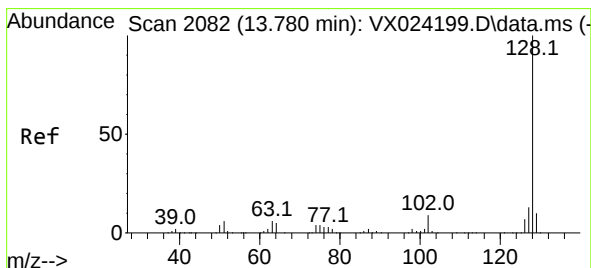
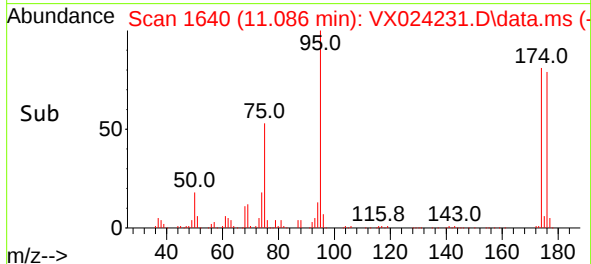
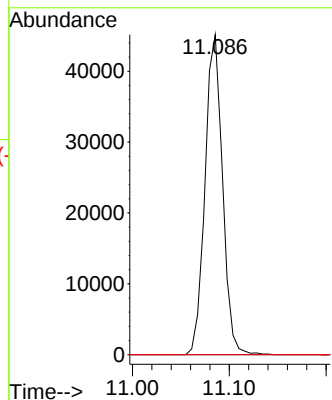
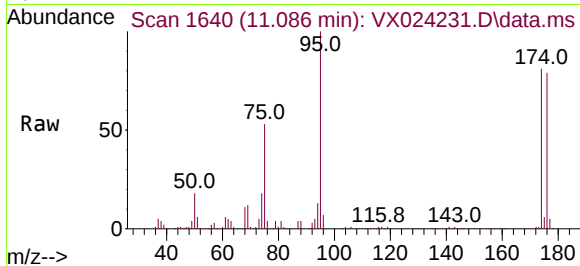




#81
trans-1,4-Dichloro-2-butene
Concen: 77.093 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Instrument :
MSVOA_X
ClientSampleId :
PB139075ZHE#04

Tgt Ion: 75 Resp: 56938
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.311 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024231.D
Acq: 15 Sep 2021 01:19

Tgt Ion:128 Resp: 166
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

