

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060621\
 Data File : VX022495.D
 Acq On : 06 Jun 2021 22:04
 Operator : JC/MD
 Sample : PB136829ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136829ZHE#04

Quant Time: Jun 07 04:28:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

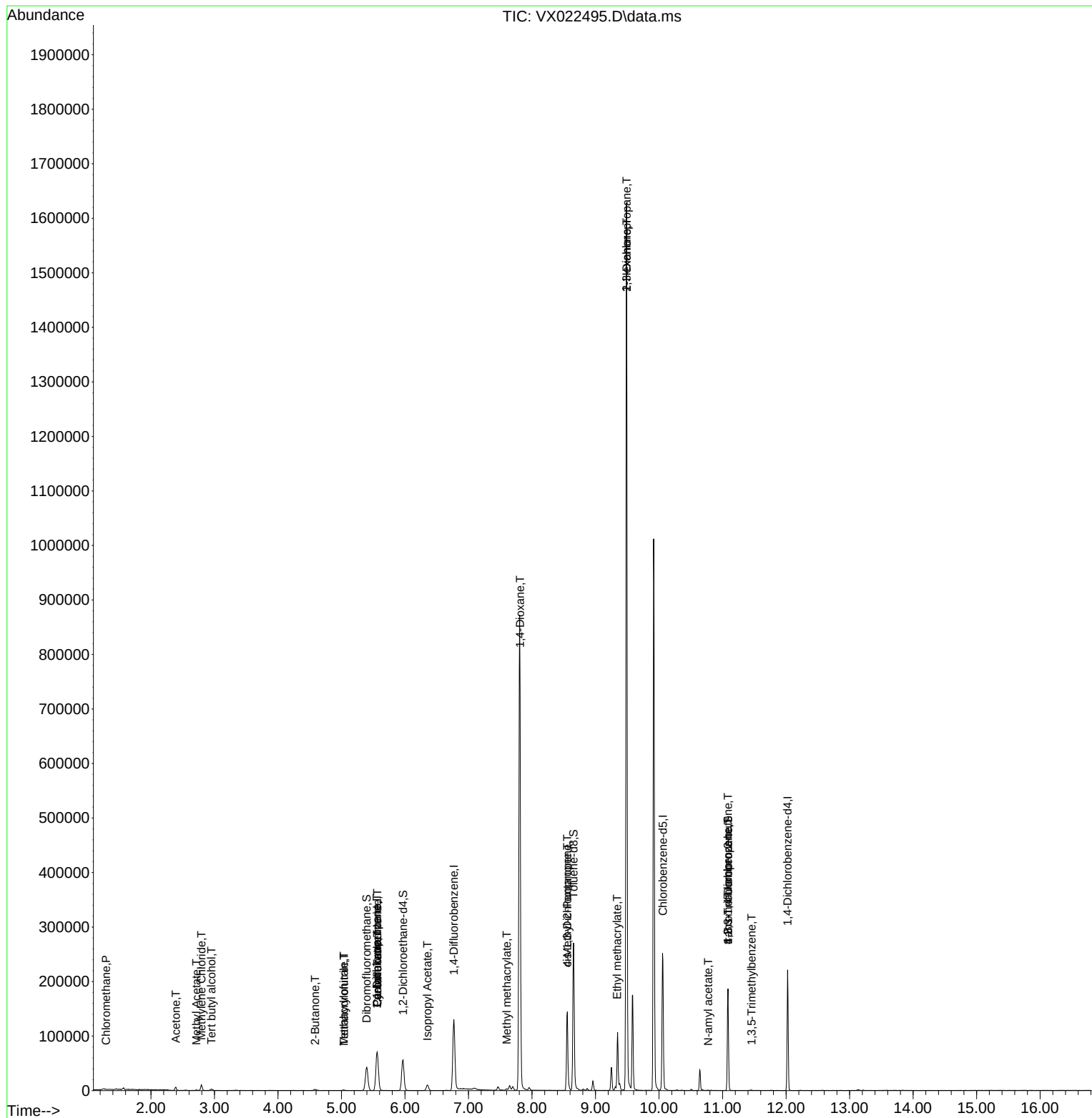
Internal Standards						
1) Pentafluorobenzene	5.562	168	60160	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	124799	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	109347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	51105	55.069	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.140%			
35) Dibromofluoromethane	5.397	113	37070	46.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.680%			
50) Toluene-d8	8.653	98	153823	50.457	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.920%			
62) 4-Bromofluorobenzene	11.085	95	50732	45.022	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.040%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	160	0.203	ug/l	# 42
11) Tert butyl alcohol	2.953	59	1801	8.485	ug/l	# 73
16) Acetone	2.392	43	6371	15.767	ug/l	96
18) Methyl Acetate	2.715	43	1515	1.410	ug/l	# 86
20) Methylene Chloride	2.794	84	4161	4.638	ug/l	# 86
25) 2-Butanone	4.586	43	2324	3.555	ug/l	# 77
29) Tetrahydrofuran	5.038	42	883	2.269	ug/l	# 53
31) Cyclohexane	5.562	56	1999	1.714	ug/l	# 41
36) 1,1-Dichloropropene	5.556	75	5764	4.995	ug/l	# 49
38) Carbon Tetrachloride	5.562	117	6712	5.946	ug/l	# 16
41) Methacrylonitrile	5.038	41	613	0.810	ug/l	# 29
43) Isopropyl Acetate	6.354	43	14222	6.146	ug/l	# 93
48) Methyl methacrylate	7.604	41	3739	3.506	ug/l	# 10
49) 1,4-Dioxane	7.811	88	31	1.493	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	50542	36.465	ug/l	# 45
54) cis-1,3-Dichloropropene	8.555	75	23007	15.077	ug/l	# 64
56) Ethyl methacrylate	9.342	69	423	0.287	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	13356	8.570	ug/l	# 42
59) 2-Hexanone	9.488	43	187310	179.682	ug/l	# 44
74) N-amyl acetate	10.774	43	475	0.307	ug/l	# 43
76) 1,2,3-Trichloropropane	11.085	75	26728	28.154	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.457	105	736	0.273	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	26728	66.708	ug/l	# 12

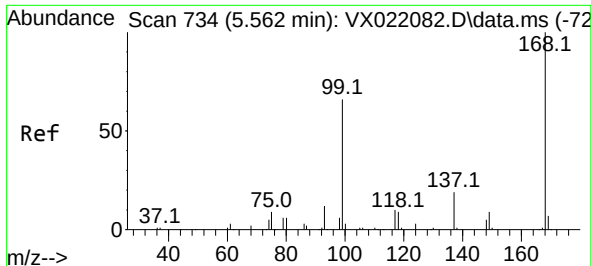
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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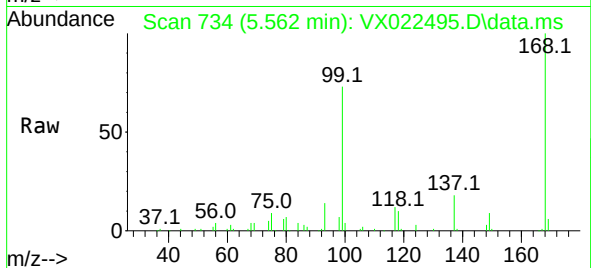
Quant Time: Jun 07 04:28:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
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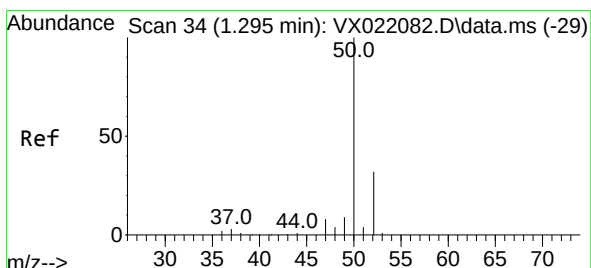
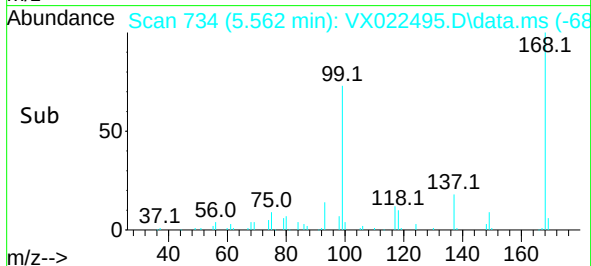
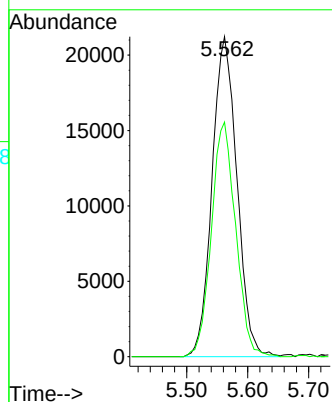


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

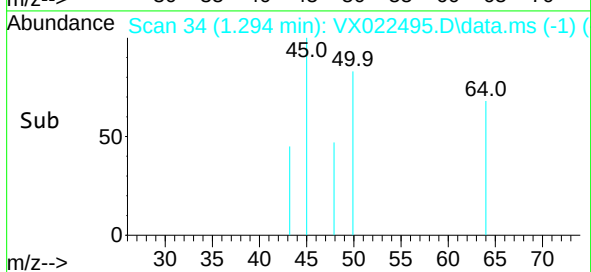
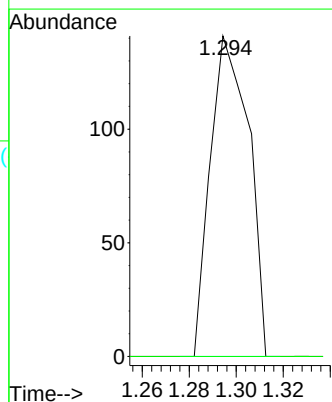
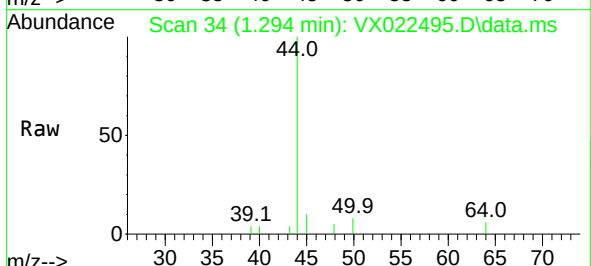


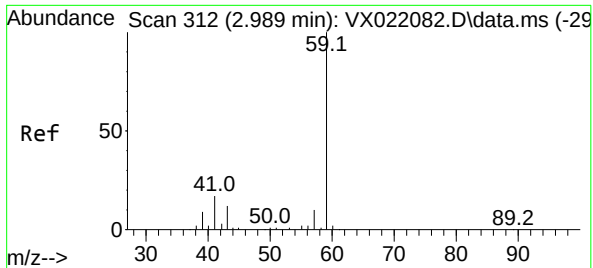
Tgt Ion:168 Resp: 60160
Ion Ratio Lower Upper
168 100
99 73.3 45.8 68.6#



#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion: 50 Resp: 160
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



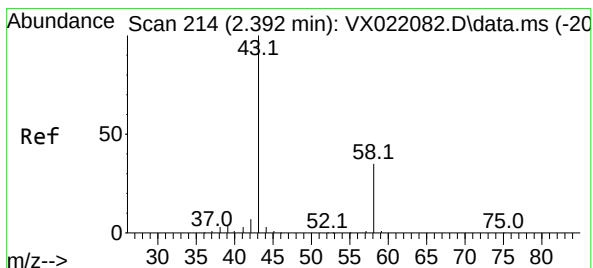
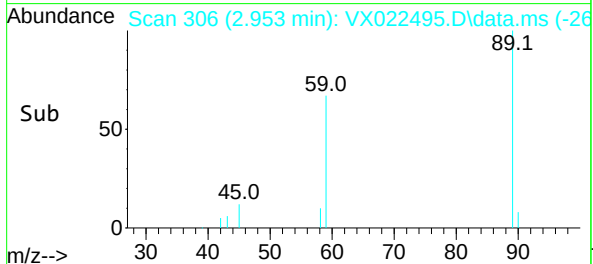
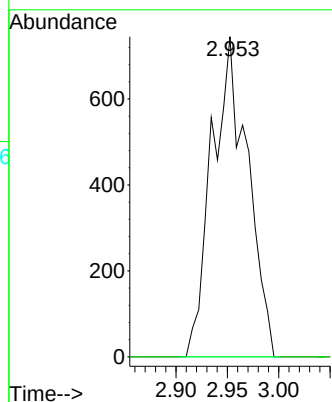
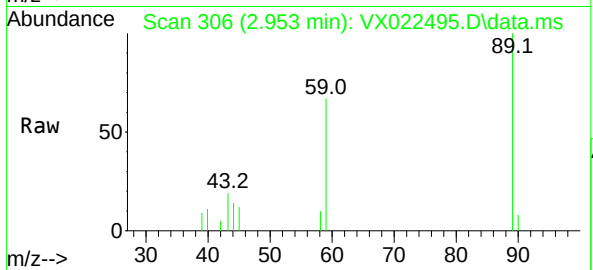


#11

Tert butyl alcohol
Concen: 8.485 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

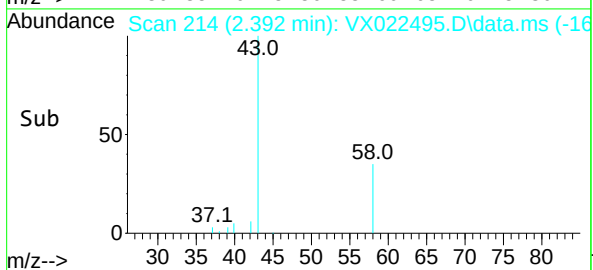
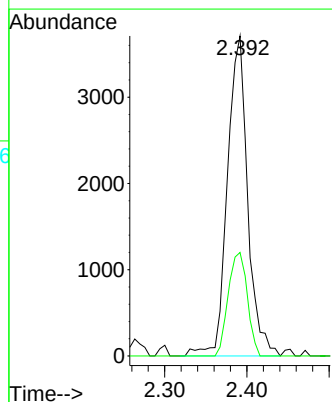
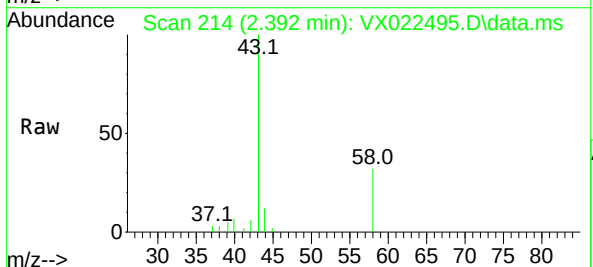
Tgt Ion: 59 Resp: 1801
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

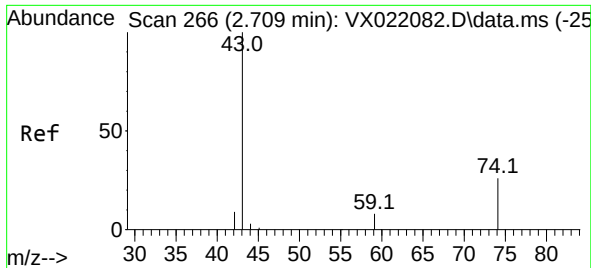


#16

Acetone
Concen: 15.767 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion: 43 Resp: 6371
Ion Ratio Lower Upper
43 100
58 32.4 27.8 41.8

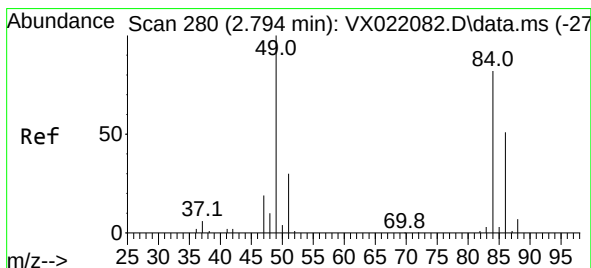
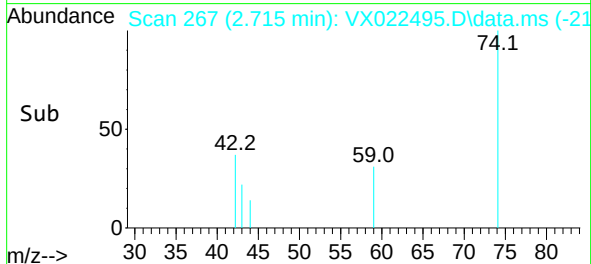
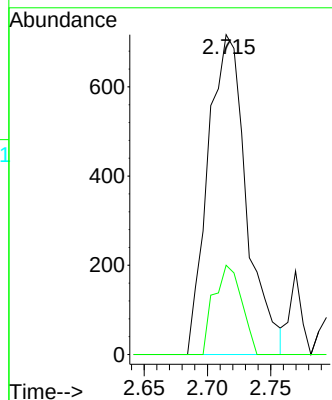
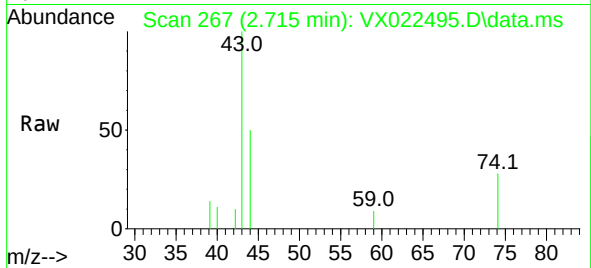




#18
Methyl Acetate
Concen: 1.410 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

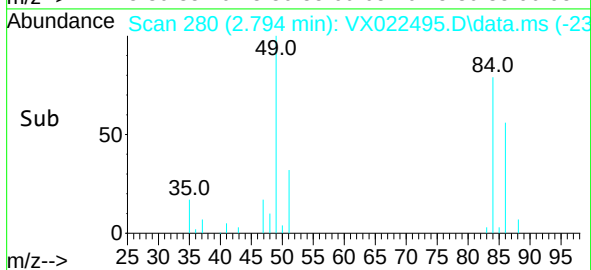
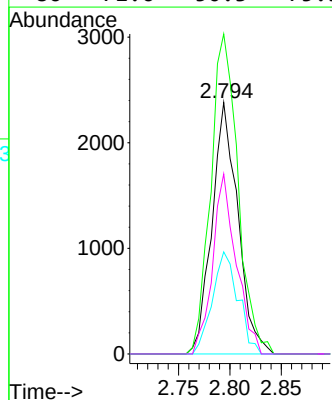
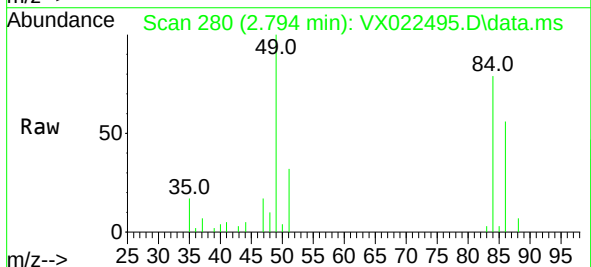
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

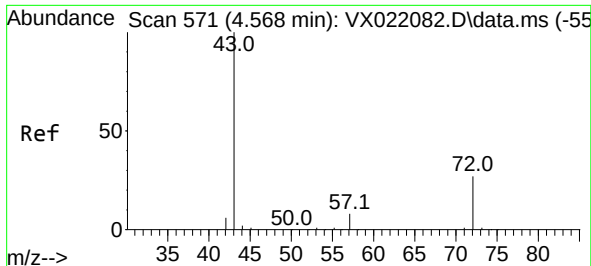
Tgt Ion: 43 Resp: 1515
Ion Ratio Lower Upper
43 100
74 20.1 21.9 32.9#



#20
Methylene Chloride
Concen: 4.638 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion: 84 Resp: 4161
Ion Ratio Lower Upper
84 100
49 127.3 88.6 132.8
51 40.6 27.0 40.6#
86 71.6 50.3 75.5

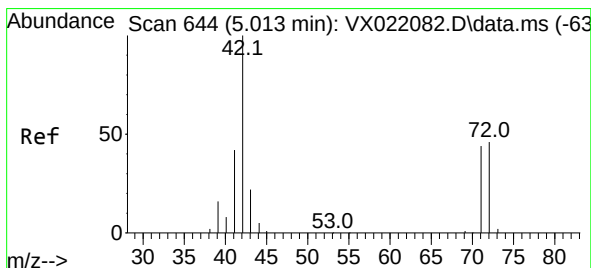
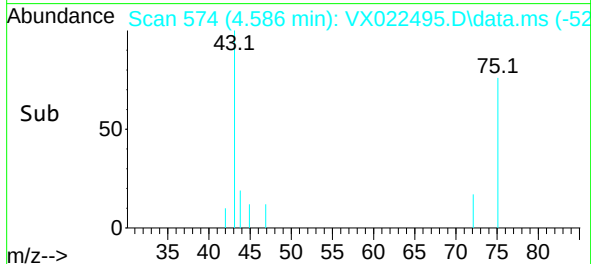
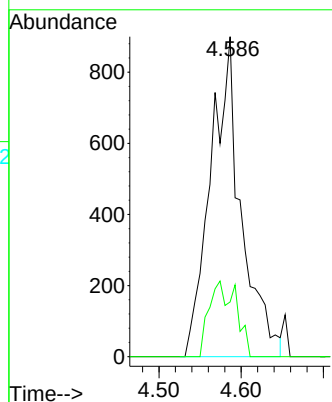
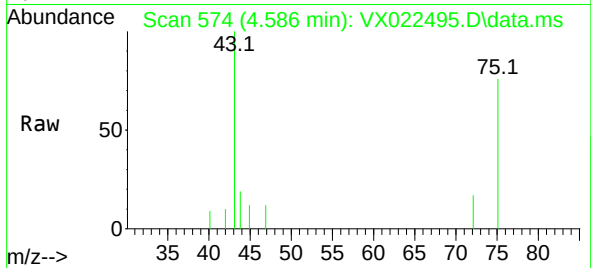




#25
2-Butanone
Concen: 3.555 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

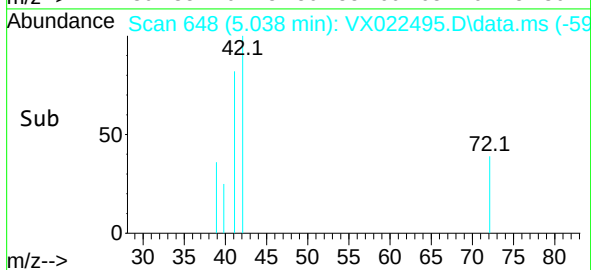
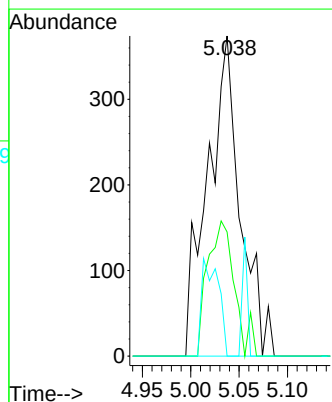
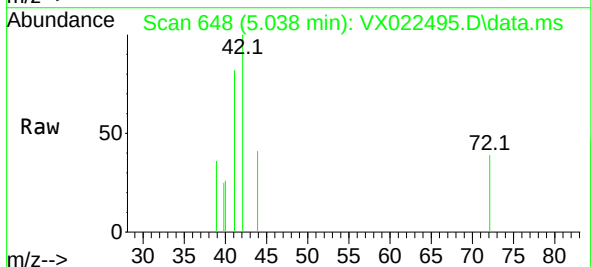
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

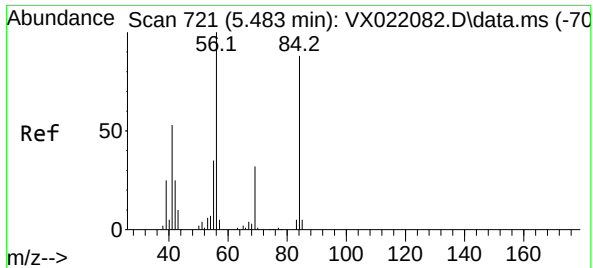
Tgt Ion: 43 Resp: 2324
Ion Ratio Lower Upper
43 100
72 17.1 23.7 35.5#



#29
Tetrahydrofuran
Concen: 2.269 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

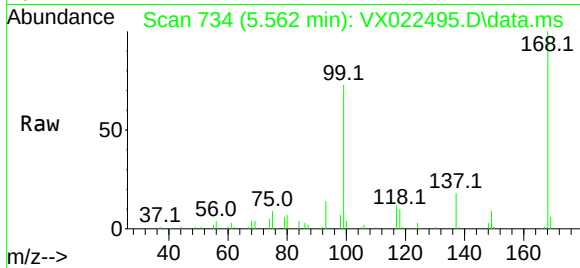
Tgt Ion: 42 Resp: 883
Ion Ratio Lower Upper
42 100
72 34.7 41.7 62.5#
71 0.0 38.4 57.6#



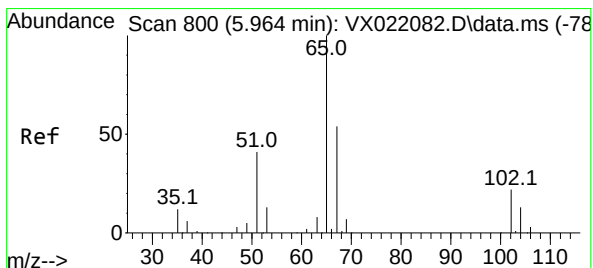
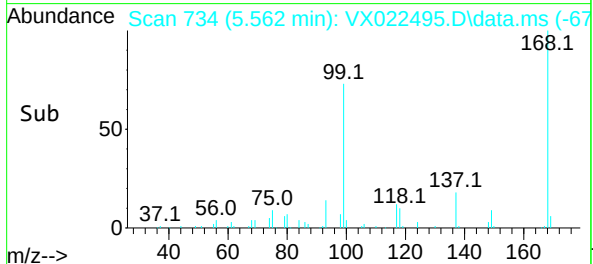
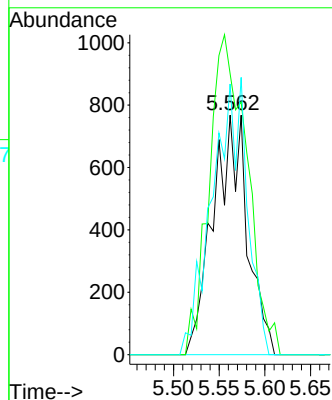


#31
Cyclohexane
Concen: 1.714 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

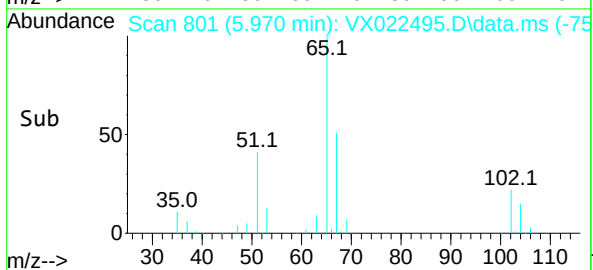
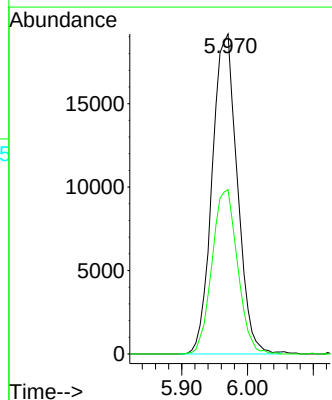
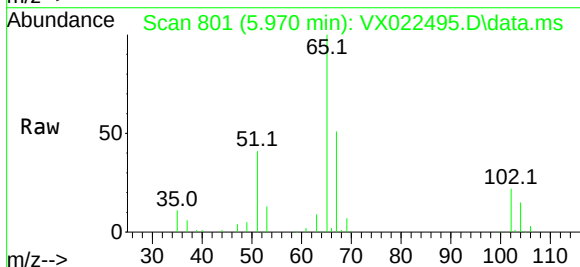


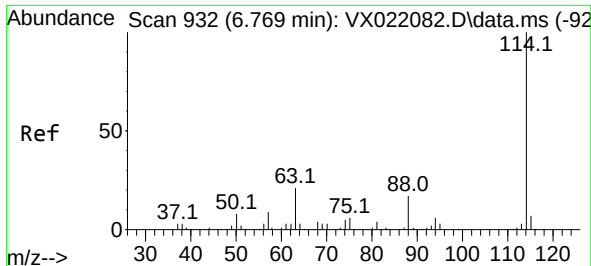
Tgt Ion: 56 Resp: 1999
Ion Ratio Lower Upper
56 100
69 117.3 25.3 37.9#
84 113.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 55.069 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion: 65 Resp: 51105
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4

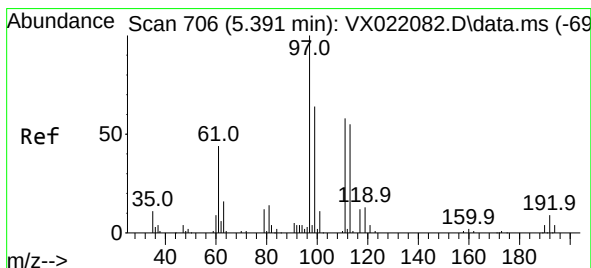
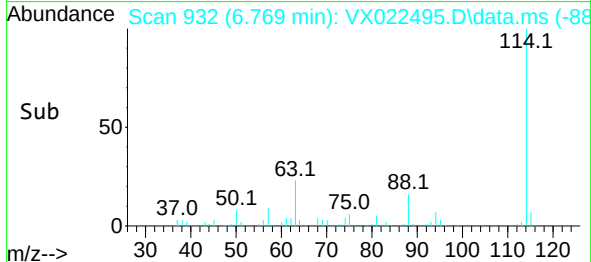
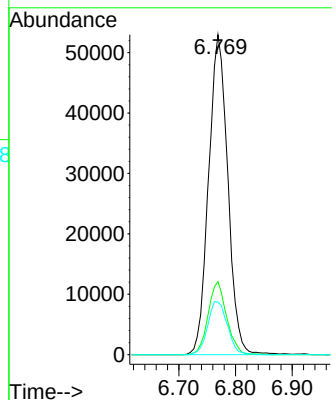
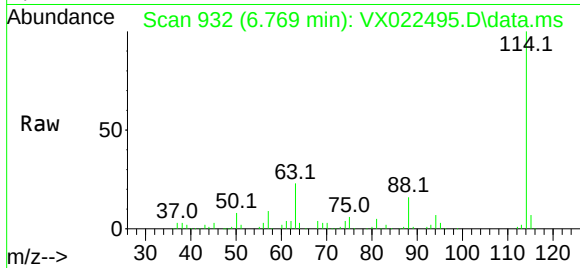




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

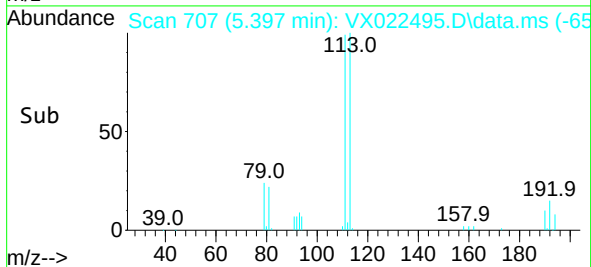
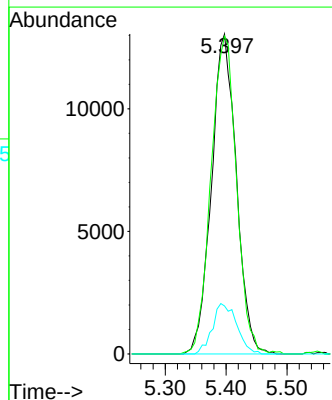
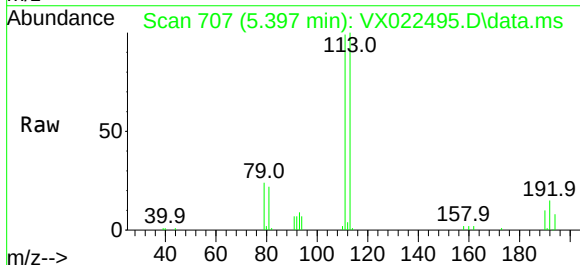
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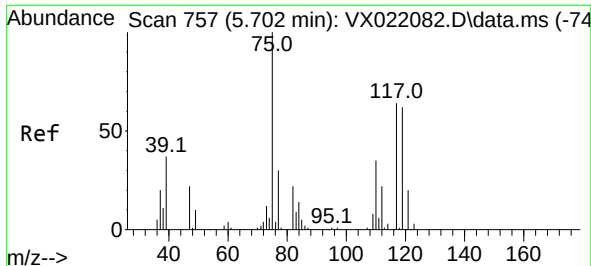
Tgt Ion:114 Resp: 124799
Ion Ratio Lower Upper
114 100
63 22.9 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.840 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion:113 Resp: 37070
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 15.5 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.995 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022495.D

Acq: 06 Jun 2021 22:04

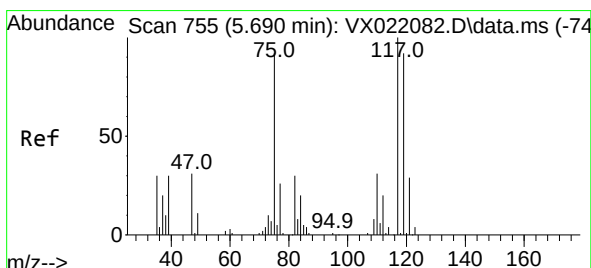
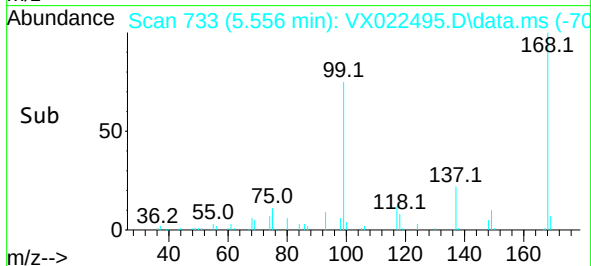
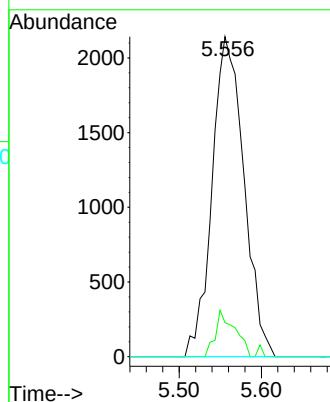
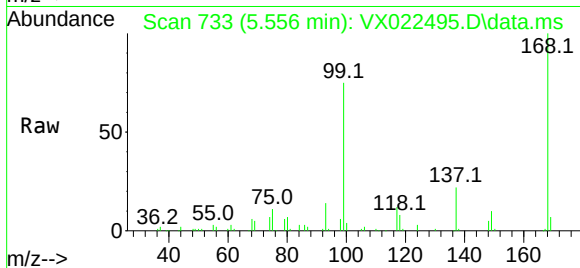
Instrument :

MSVOA_X

ClientSampleId :

PB136829ZHE#04

Tgt Ion: 75	Resp: 5764
Ion Ratio	Lower Upper
75 100	
110 8.9	18.1 54.4#
77 0.0	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.946 ug/l

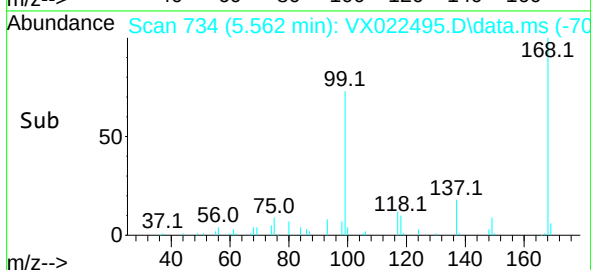
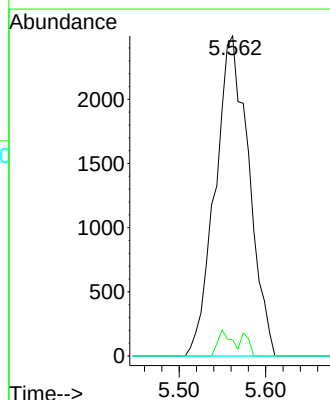
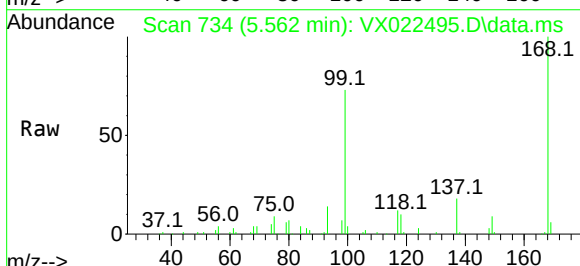
RT: 5.562 min Scan# 734

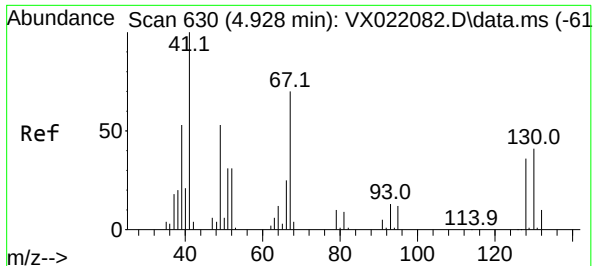
Delta R.T. -0.128 min

Lab File: VX022495.D

Acq: 06 Jun 2021 22:04

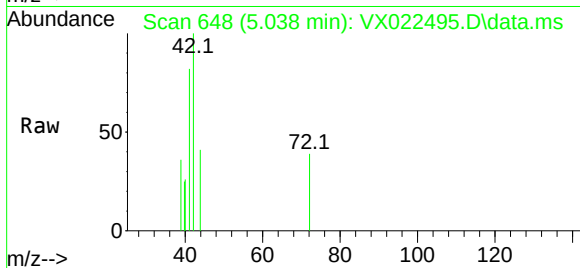
Tgt Ion: 117	Resp: 6712
Ion Ratio	Lower Upper
117 100	
119 5.0	76.2 114.2#
121 0.0	24.8 37.2#



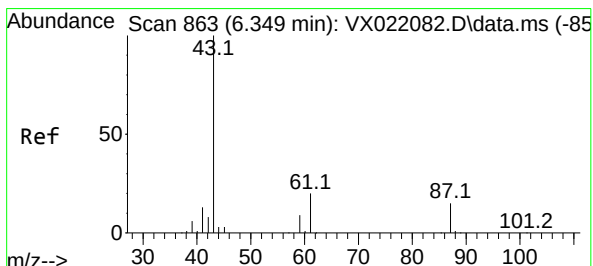
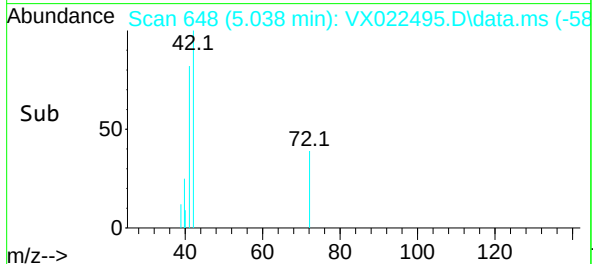
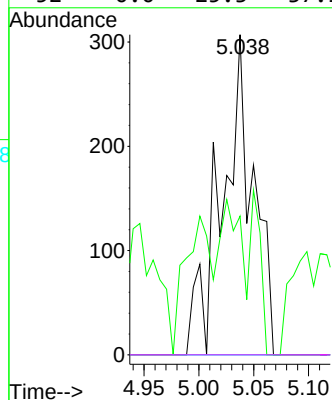


#41
Methacrylonitrile
Concen: 0.810 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

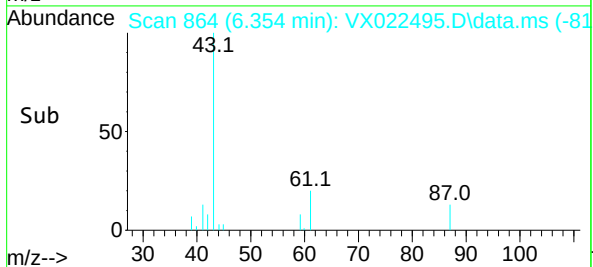
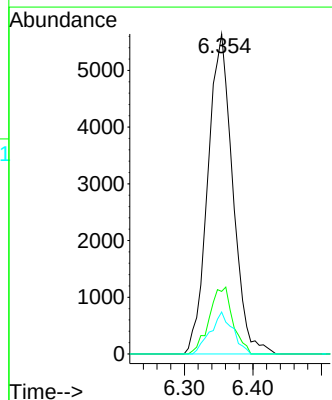
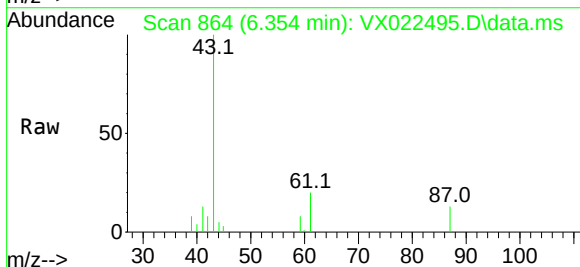


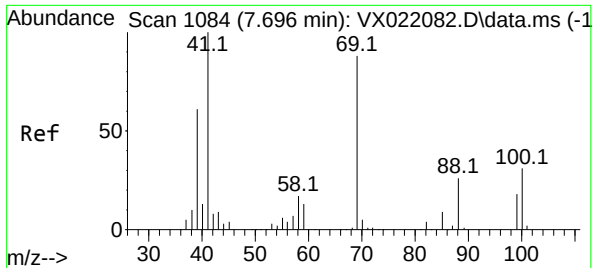
Tgt Ion:	41	Resp:	613
Ion	Ratio	Lower	Upper
41	100		
39	18.6	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 6.146 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion:	43	Resp:	14222
Ion	Ratio	Lower	Upper
43	100		
61	19.8	18.2	27.4
87	11.8	12.5	18.7#

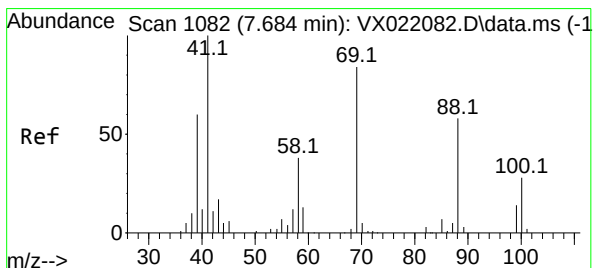
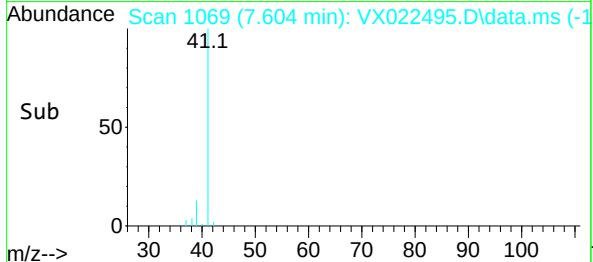
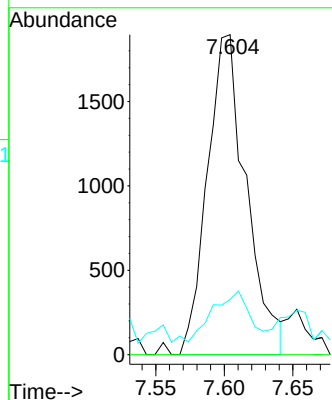
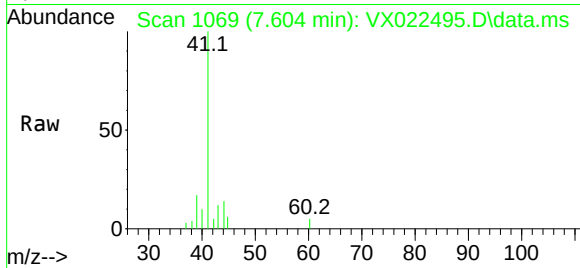




#48
Methyl methacrylate
Concen: 3.506 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

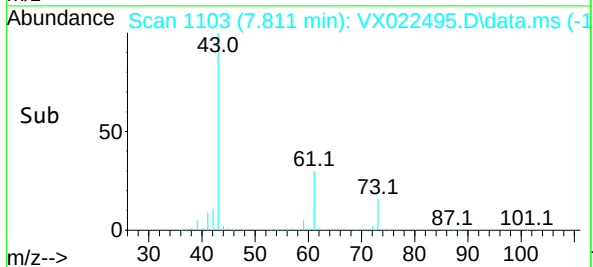
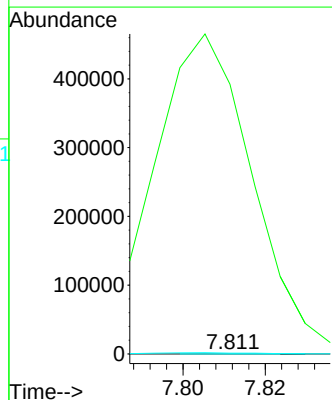
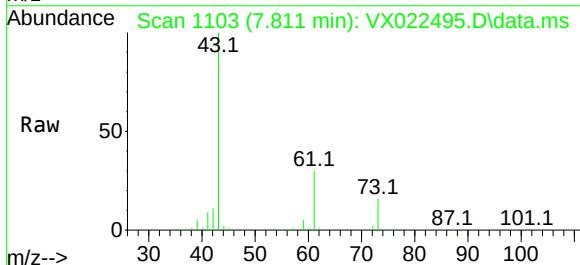
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

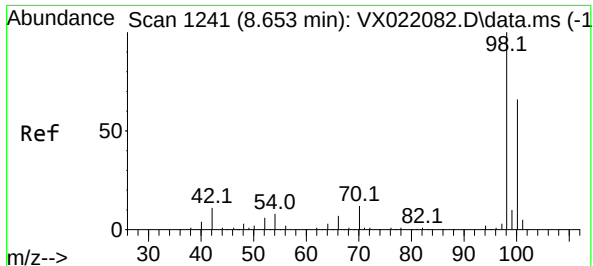
Tgt Ion: 41 Resp: 3739
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.493 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. 0.127 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 2583741.9 23.2 34.8#
58 10293.5 55.0 82.4#





#50

Toluene-d8

Concen: 50.457 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022495.D

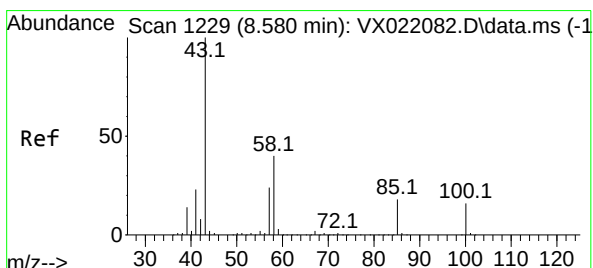
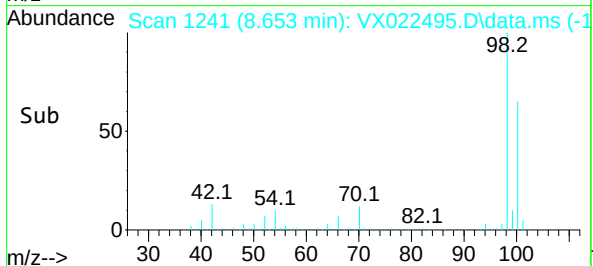
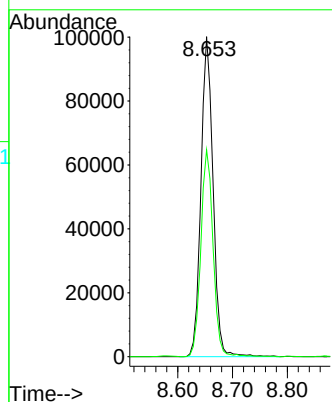
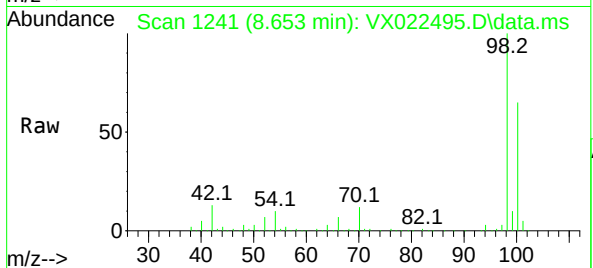
Acq: 06 Jun 2021 22:04

Tgt Ion: 98 Resp: 153823

Ion Ratio Lower Upper

98 100

100 65.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 36.465 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX022495.D

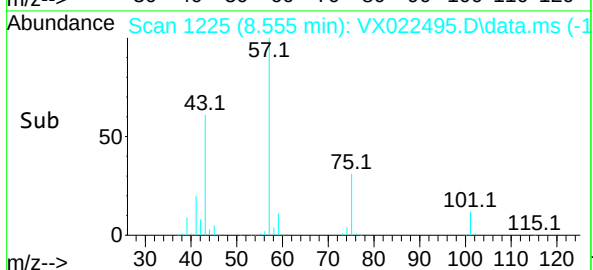
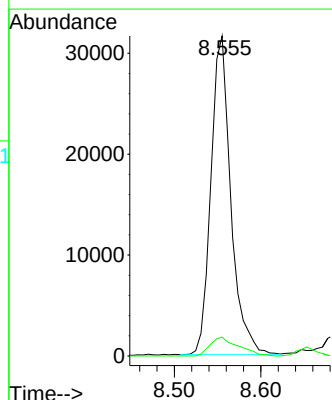
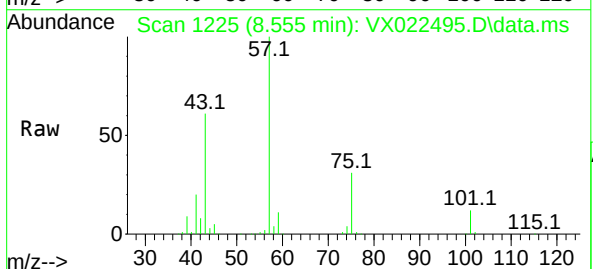
Acq: 06 Jun 2021 22:04

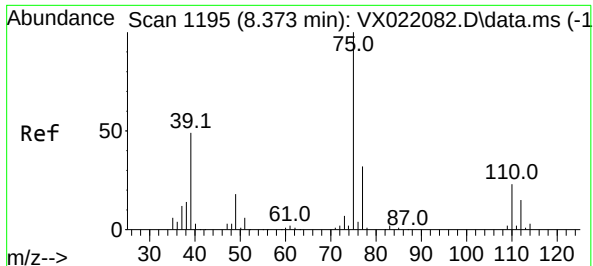
Tgt Ion: 43 Resp: 50542

Ion Ratio Lower Upper

43 100

58 8.3 35.4 53.0#

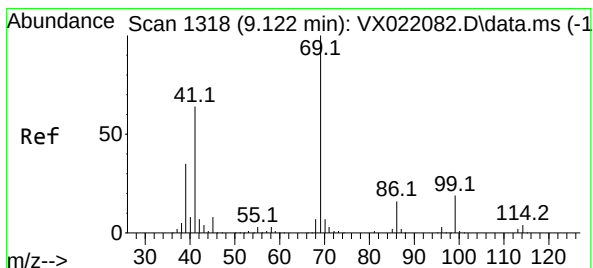
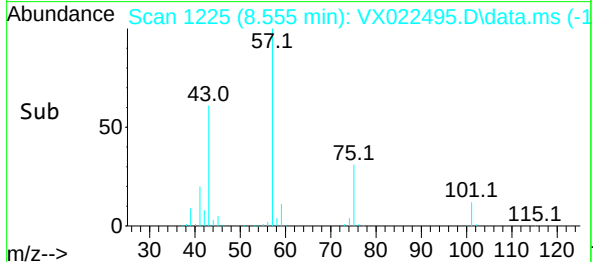
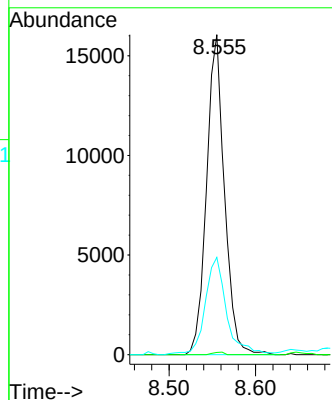
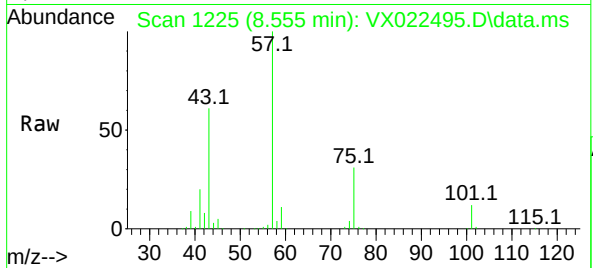




#54
cis-1,3-Dichloropropene
Concen: 15.077 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

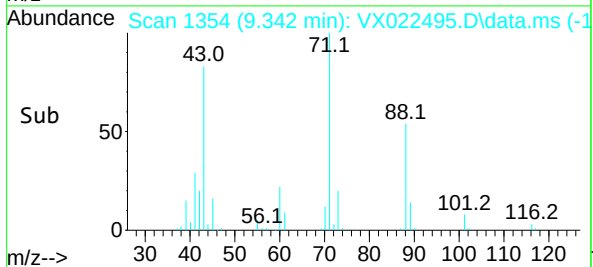
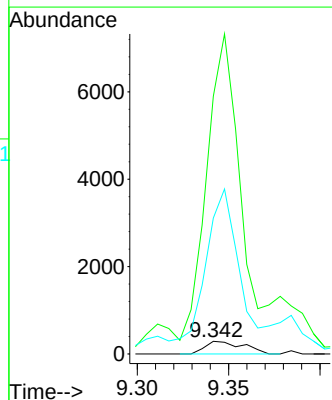
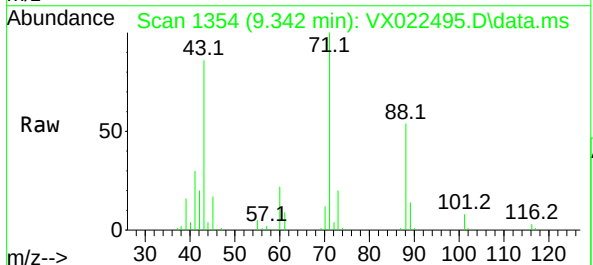
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

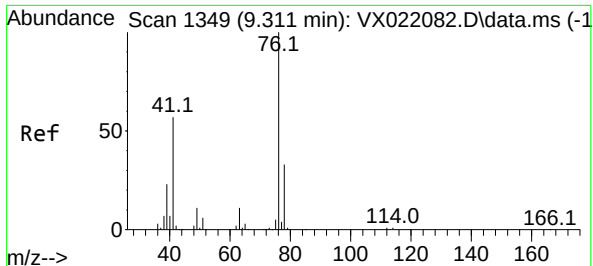
Tgt Ion: 75 Resp: 23007
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 29.7 35.1 52.7#



#56
Ethyl methacrylate
Concen: 0.287 ug/l
RT: 9.342 min Scan# 1354
Delta R.T. 0.220 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion: 69 Resp: 423
Ion Ratio Lower Upper
69 100
41 2080.6 46.8 70.2#
39 976.8 24.7 37.1#



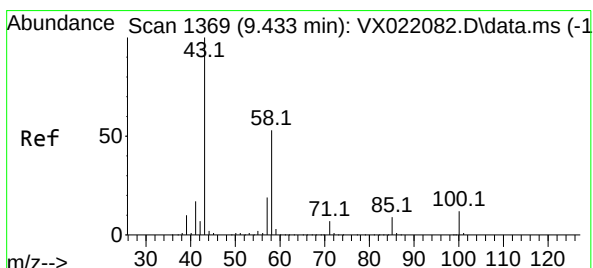
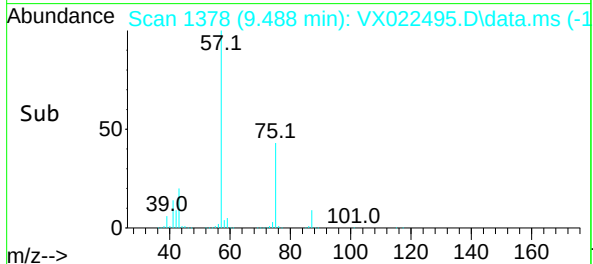
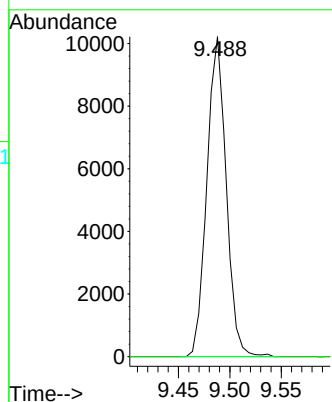
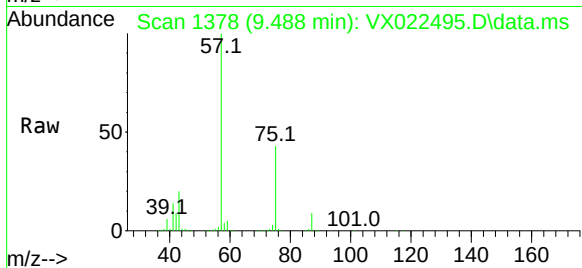


#57

1,3-Dichloropropane
Concen: 8.570 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

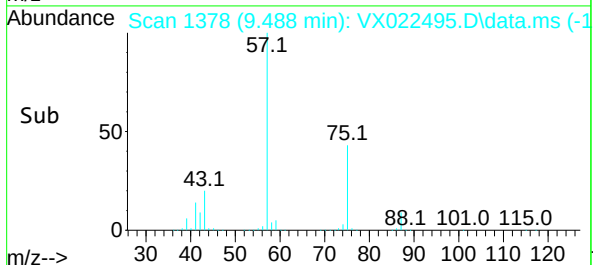
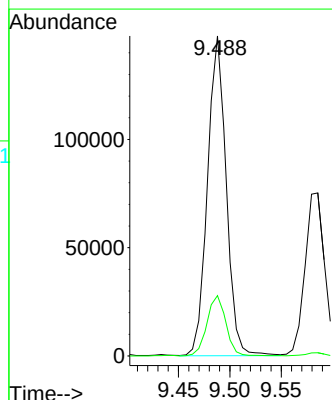
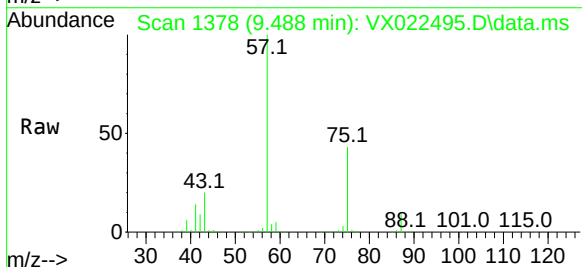
Tgt Ion: 76 Resp: 13356
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

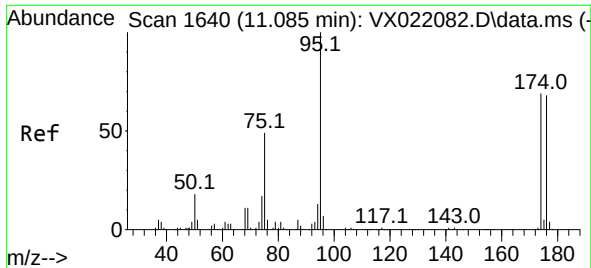


#59

2-Hexanone
Concen: 179.682 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion: 43 Resp: 187310
Ion Ratio Lower Upper
43 100
58 19.1 30.9 92.8#

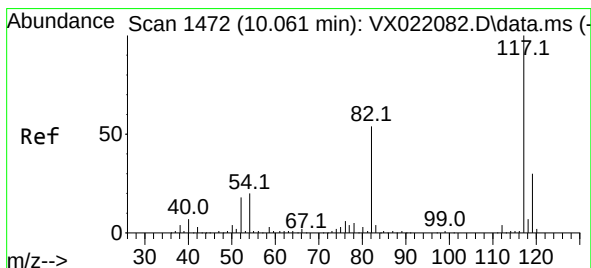
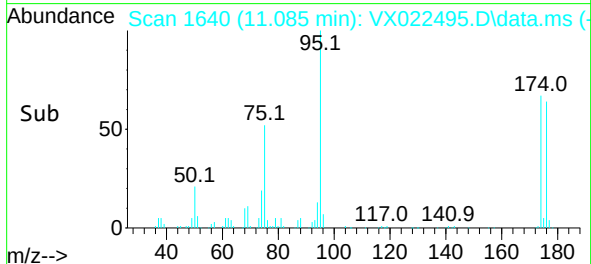
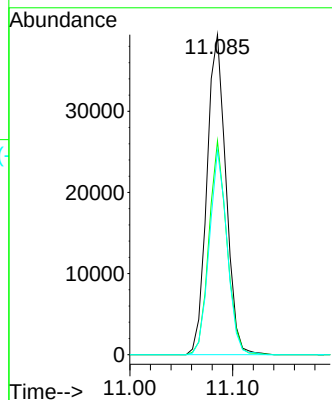
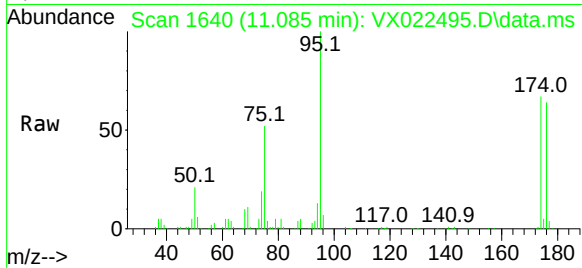




#62
4-Bromofluorobenzene
Concen: 45.022 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

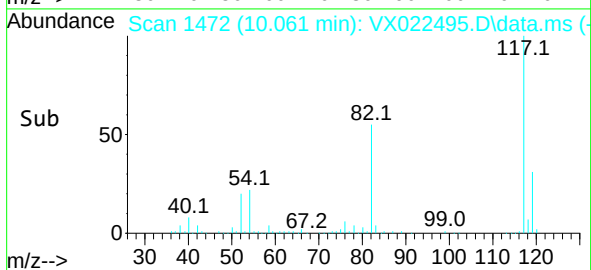
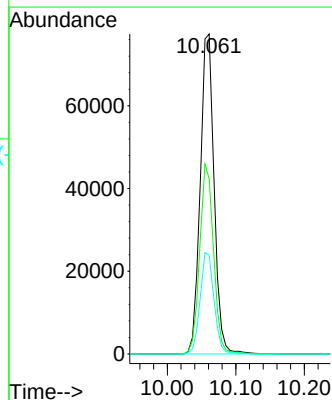
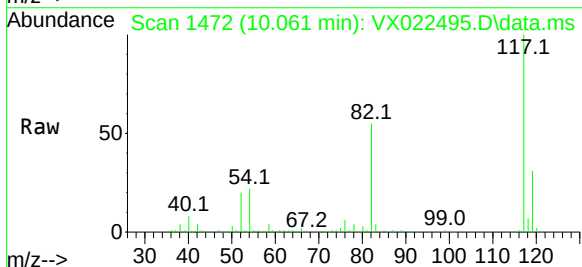
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

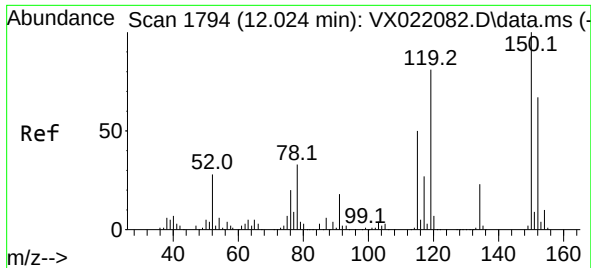
Tgt Ion: 95 Resp: 50732
Ion Ratio Lower Upper
95 100
174 62.6 0.0 154.6
176 59.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

Tgt Ion: 117 Resp: 109347
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 30.9 26.6 39.8

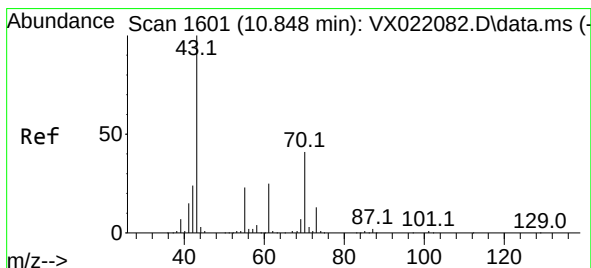
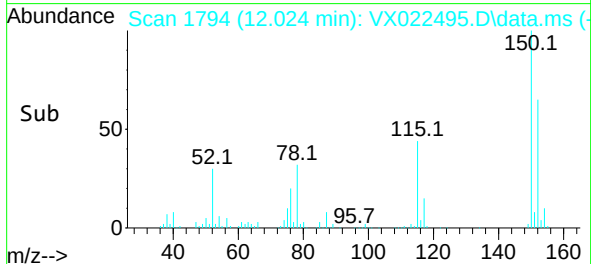
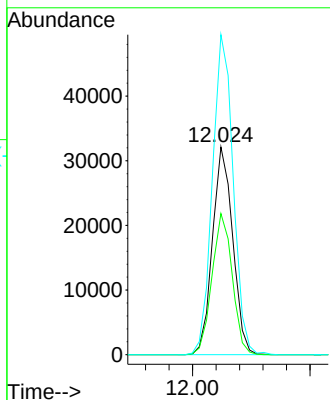
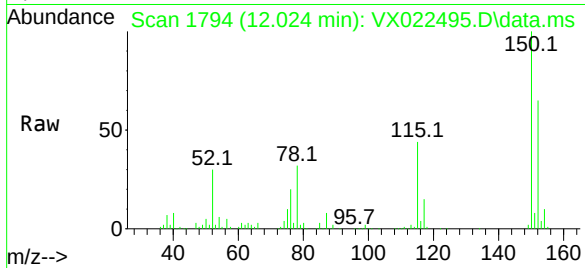




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022495.D
 Acq: 06 Jun 2021 22:04

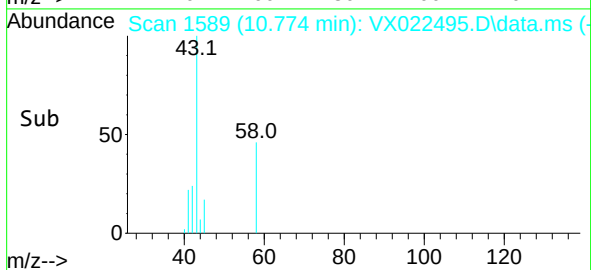
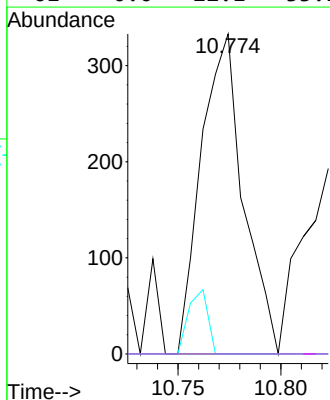
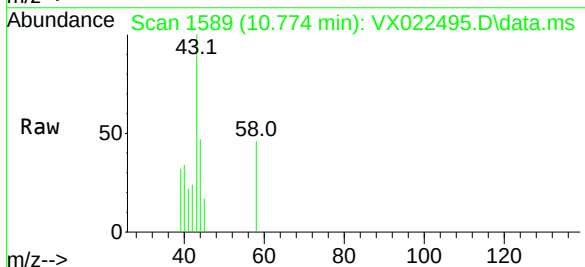
Instrument :
 MSVOA_X
 ClientSampleId :
 PB136829ZHE#04

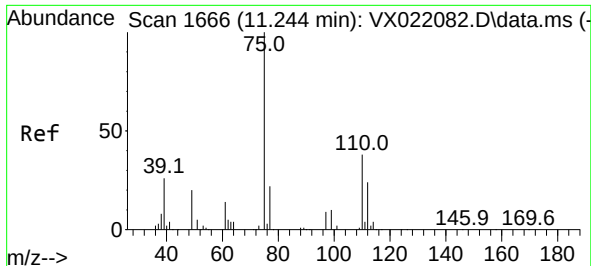
Tgt Ion:152 Resp: 38481
 Ion Ratio Lower Upper
 152 100
 115 67.8 41.1 123.3
 150 158.0 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.307 ug/l
 RT: 10.774 min Scan# 1589
 Delta R.T. -0.074 min
 Lab File: VX022495.D
 Acq: 06 Jun 2021 22:04

Tgt Ion: 43 Resp: 475
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.6#
 55 9.3 21.5 32.3#
 61 0.0 22.1 33.1#

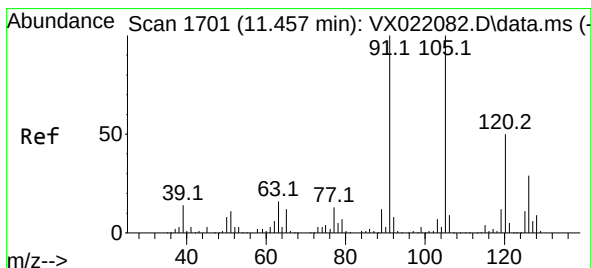
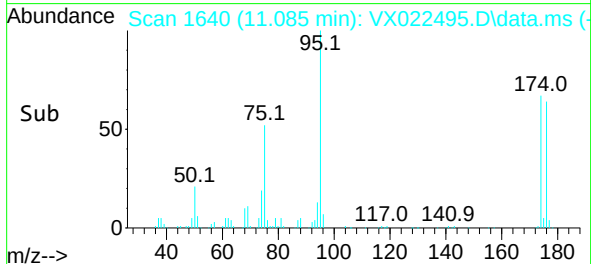
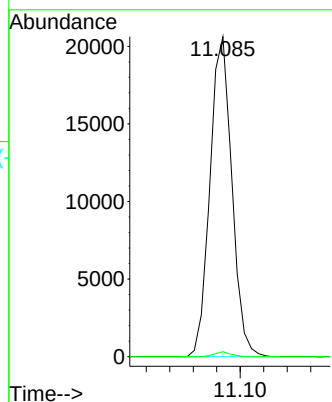
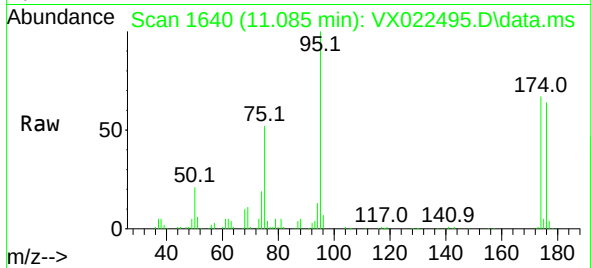




#76
1,2,3-Trichloropropane
Concen: 28.154 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

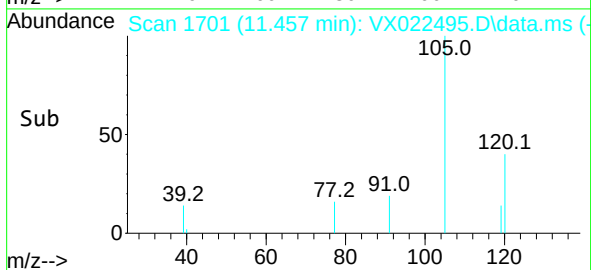
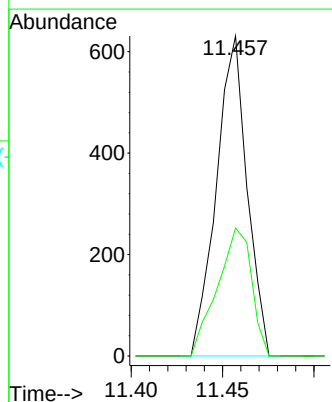
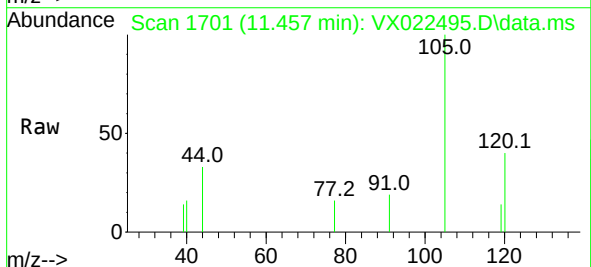
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#04

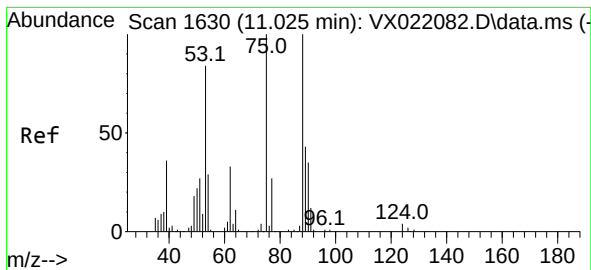
Tgt Ion: 75 Resp: 26728
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.273 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022495.D
Acq: 06 Jun 2021 22:04

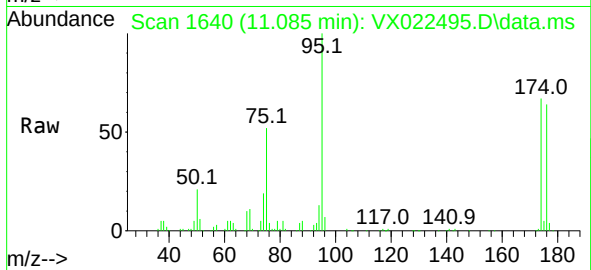
Tgt Ion: 105 Resp: 736
Ion Ratio Lower Upper
105 100
120 44.4 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.708 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022495.D
 Acq: 06 Jun 2021 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136829ZHE#04



Tgt Ion: 75 Resp: 26728
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

