

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060621\
 Data File : VX022518.D
 Acq On : 07 Jun 2021 07:51
 Operator : JC/MD
 Sample : PB136857ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136857ZHE#12

Quant Time: Jun 07 08:35:55 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

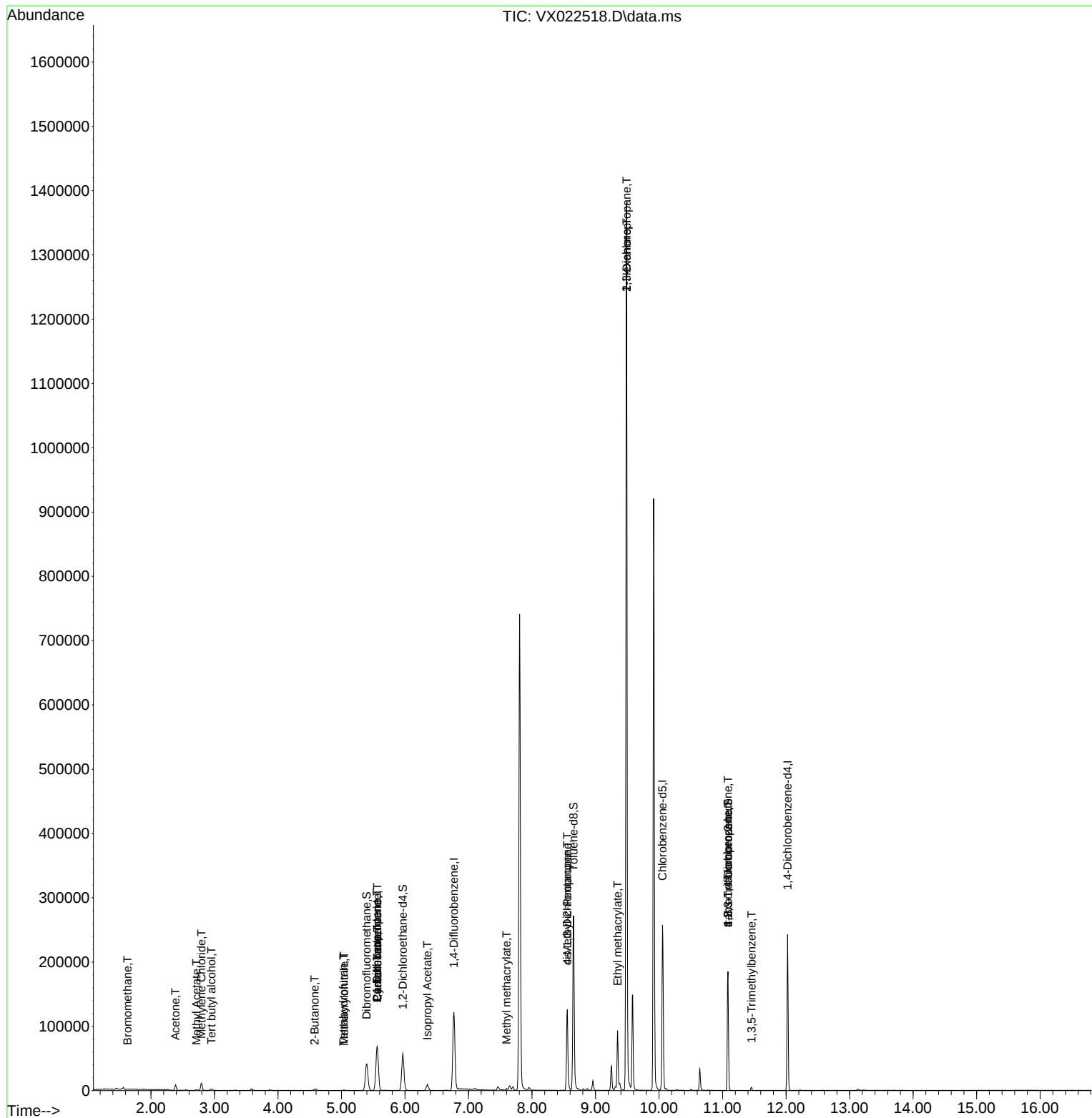
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	59050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	120368	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	49750	54.617	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.240%
35) Dibromofluoromethane	5.397	113	35794	46.893	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.780%
50) Toluene-d8	8.653	98	151420	51.497	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.000%
62) 4-Bromofluorobenzene	11.085	95	51994	47.840	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.680%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	110	0.230	ug/l #	2
11) Tert butyl alcohol	2.953	59	1542	7.401	ug/l #	73
16) Acetone	2.386	43	8227	20.742	ug/l	99
18) Methyl Acetate	2.715	43	1555	1.474	ug/l #	80
20) Methylene Chloride	2.794	84	4855	5.513	ug/l #	85
25) 2-Butanone	4.574	43	2120	3.304	ug/l	96
29) Tetrahydrofuran	5.032	42	591	1.547	ug/l #	54
31) Cyclohexane	5.562	56	1652	1.443	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	5999	5.390	ug/l #	49
38) Carbon Tetrachloride	5.562	117	6364	5.845	ug/l #	12
41) Methacrylonitrile	5.044	41	343	0.470	ug/l #	29
43) Isopropyl Acetate	6.355	43	12718	5.699	ug/l #	90
48) Methyl methacrylate	7.598	41	3494	3.397	ug/l #	10
51) 4-Methyl-2-Pentanone	8.555	43	44470	33.265	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	19984	13.578	ug/l #	65
56) Ethyl methacrylate	9.348	69	409	0.287	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	11238	7.476	ug/l #	42
59) 2-Hexanone	9.488	43	158845	157.986	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	27727	26.877	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	2196	0.749	ug/l	88
81) trans-1,4-Dichloro-2-b...	11.085	75	27727	63.681	ug/l #	12

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

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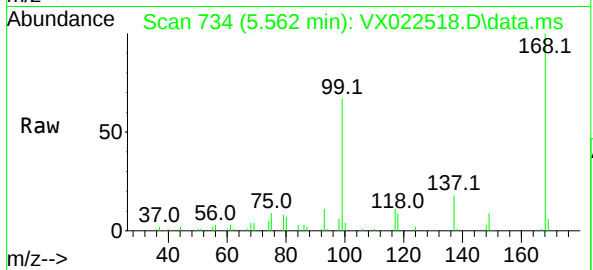
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration



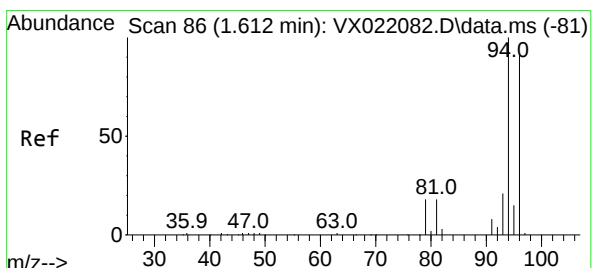
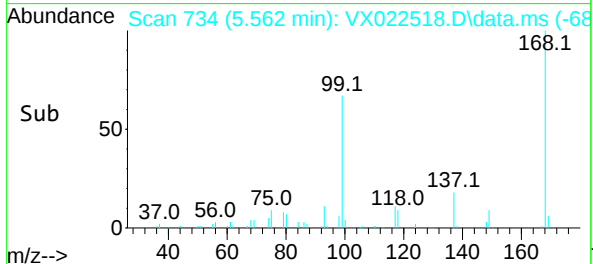
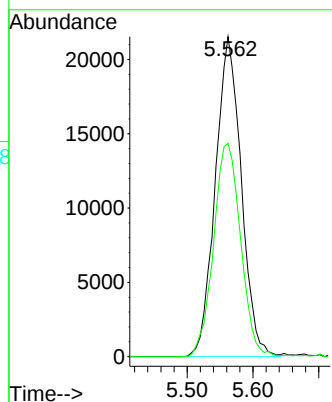


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12

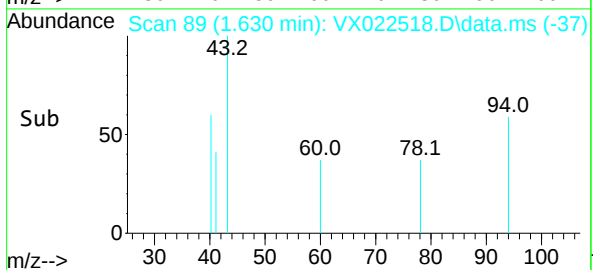
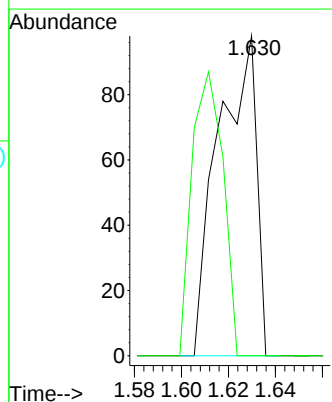
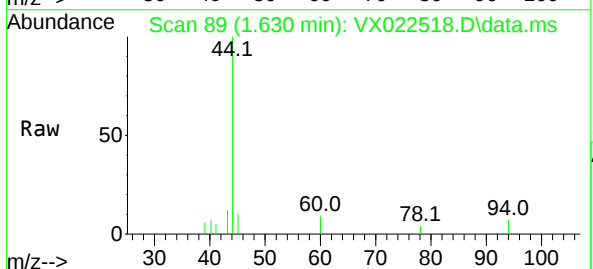


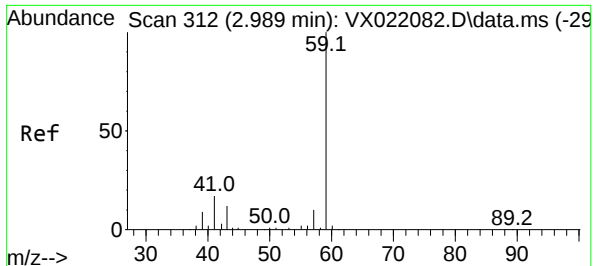
Tgt Ion:168 Resp: 59050
Ion Ratio Lower Upper
168 100
99 66.7 45.8 68.6



#5
Bromomethane
Concen: 0.230 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.018 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion: 94 Resp: 110
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



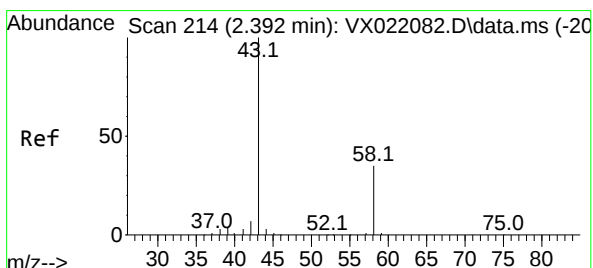
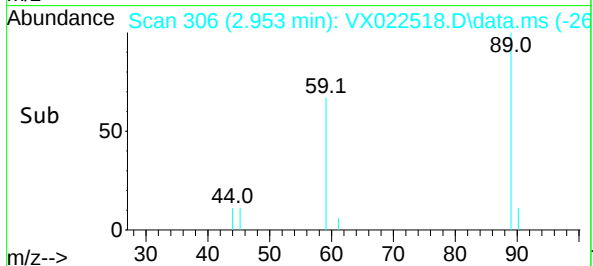
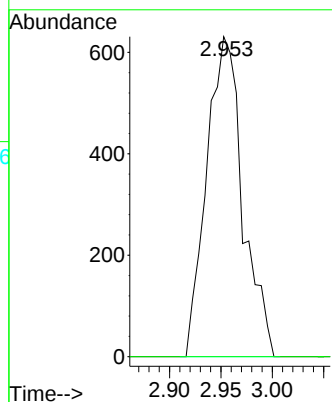
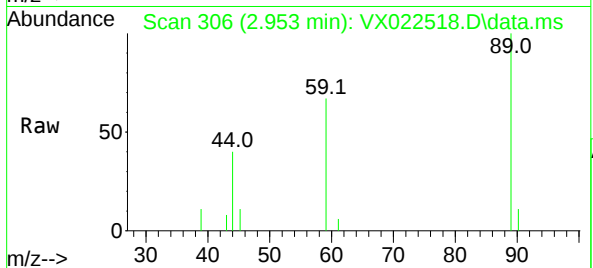


#11

Tert butyl alcohol
Concen: 7.401 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Instrument :
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PB136857ZHE#12

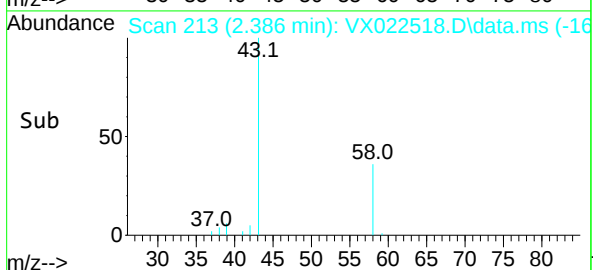
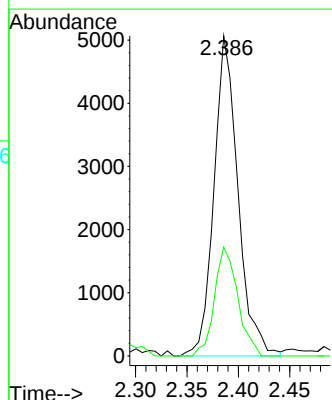
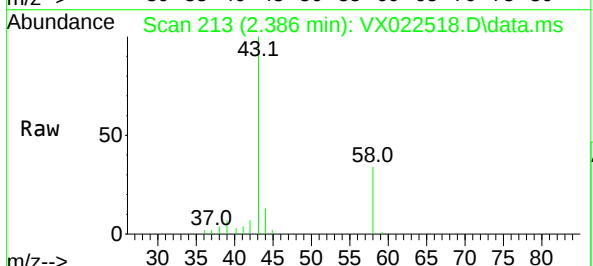
Tgt Ion: 59 Resp: 1542
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

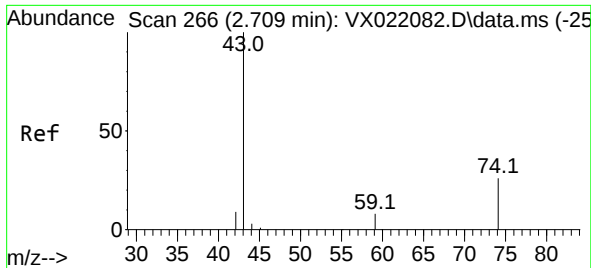


#16

Acetone
Concen: 20.742 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion: 43 Resp: 8227
Ion Ratio Lower Upper
43 100
58 34.0 27.8 41.8

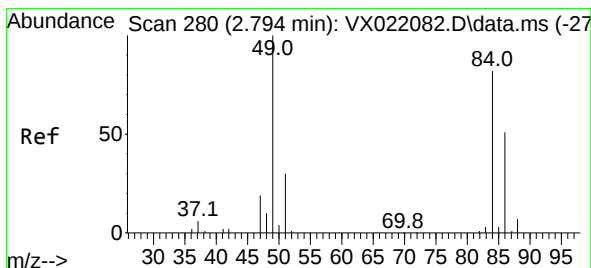
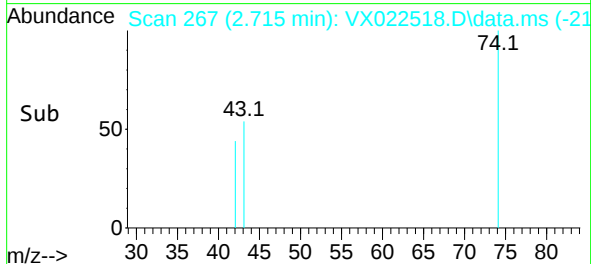
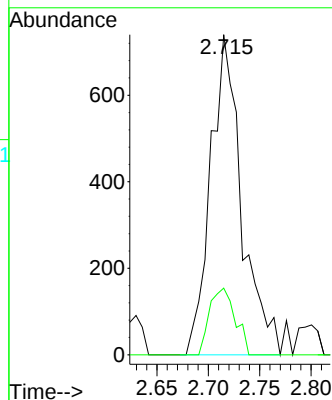
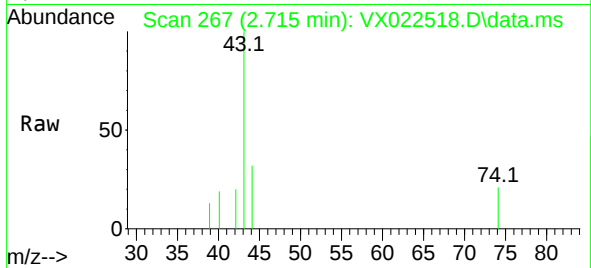




#18
Methyl Acetate
Concen: 1.474 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

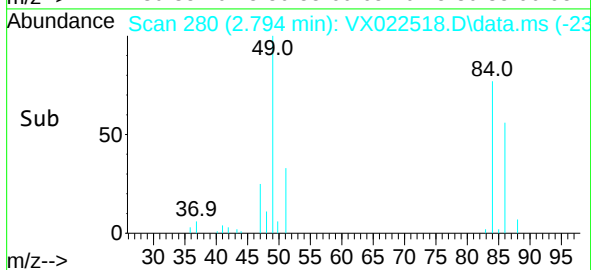
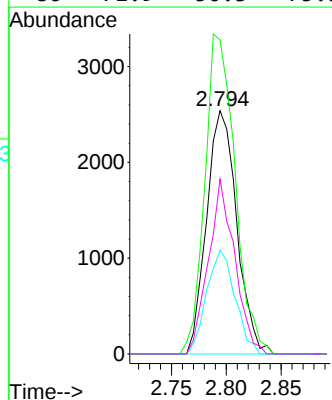
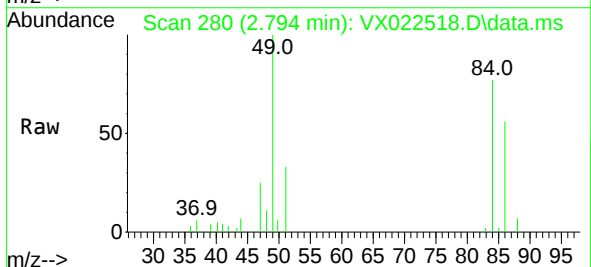
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12

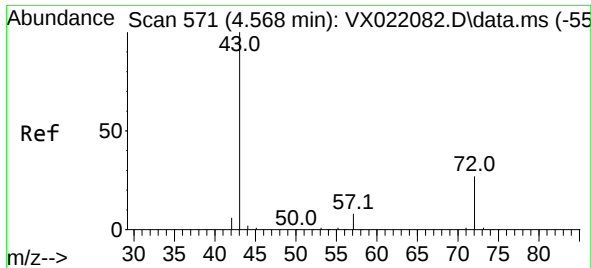
Tgt Ion: 43 Resp: 1555
Ion Ratio Lower Upper
43 100
74 17.2 21.9 32.9#



#20
Methylene Chloride
Concen: 5.513 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion: 84 Resp: 4855
Ion Ratio Lower Upper
84 100
49 129.1 88.6 132.8
51 42.7 27.0 40.6#
86 71.9 50.3 75.5

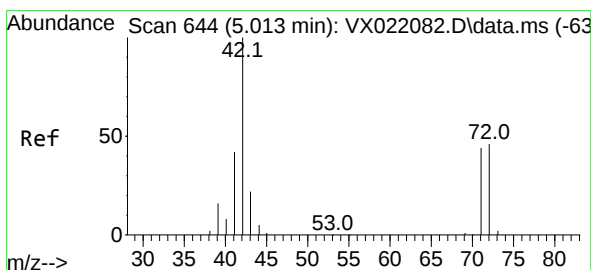
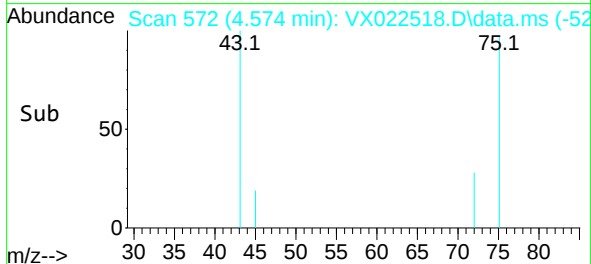
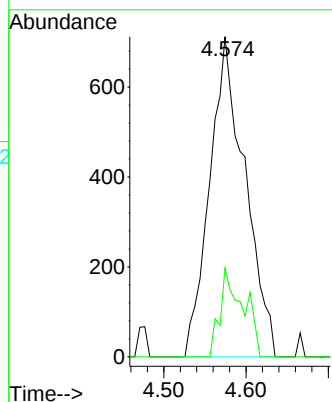
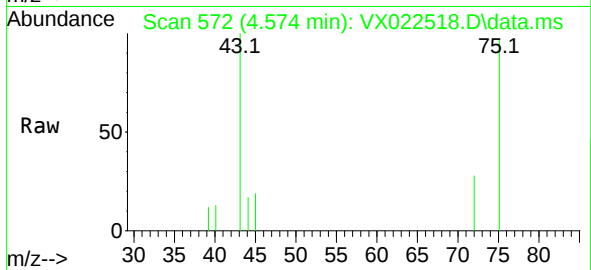




#25
2-Butanone
Concen: 3.304 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

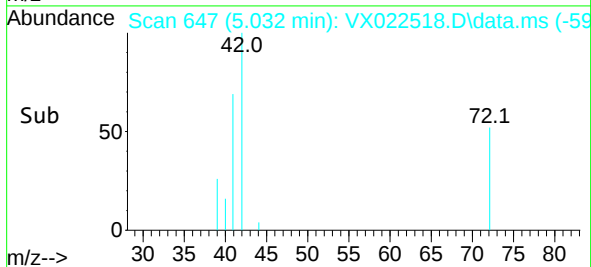
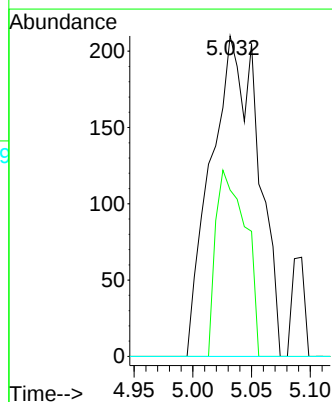
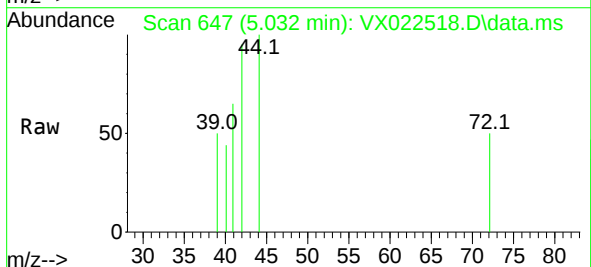
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12

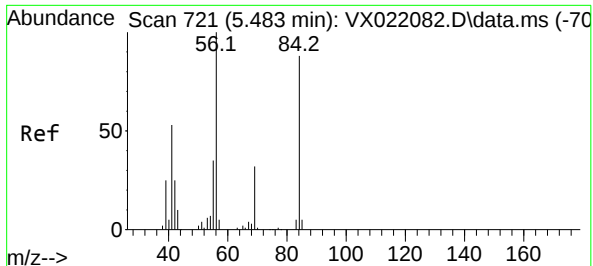
Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
72 27.7 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.547 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

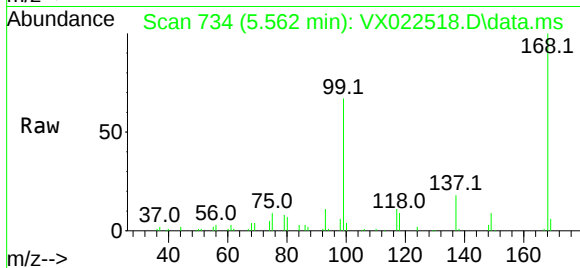
Tgt Ion: 42 Resp: 591
Ion Ratio Lower Upper
42 100
72 36.5 41.7 62.5#
71 0.0 38.4 57.6#



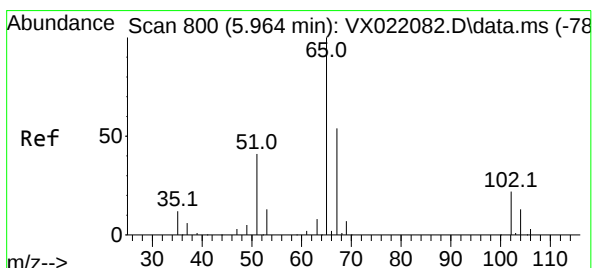
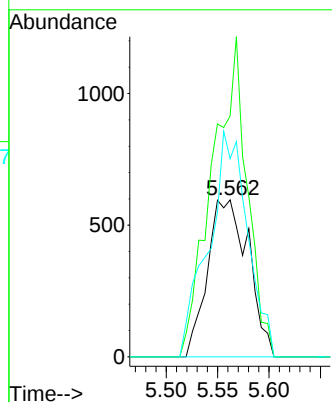
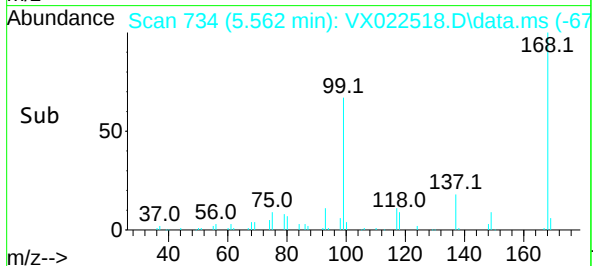


#31
Cyclohexane
Concen: 1.443 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

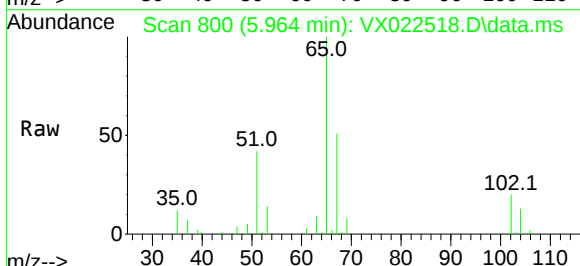
Instrument :
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ClientSampleId :
PB136857ZHE#12



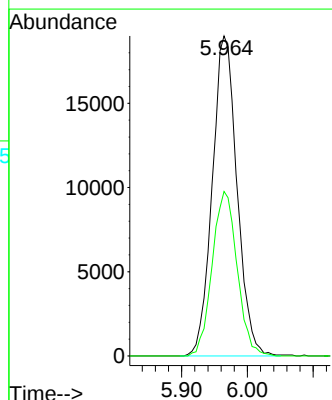
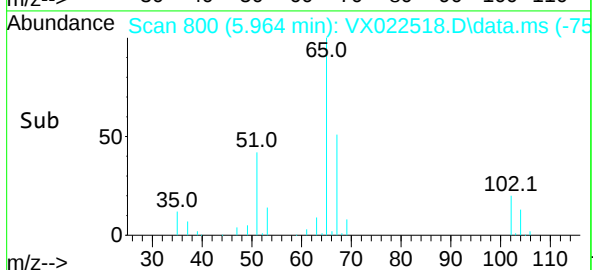
Tgt Ion: 56 Resp: 1652
Ion Ratio Lower Upper
56 100
69 153.5 25.3 37.9#
84 126.2 71.4 107.0#

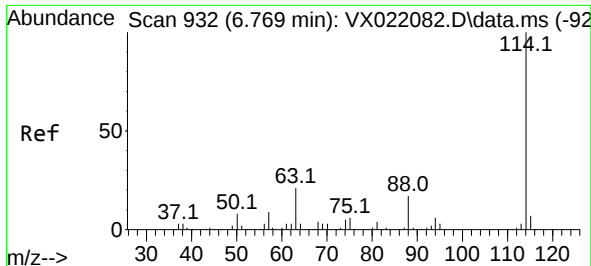


#33
1,2-Dichloroethane-d4
Concen: 54.617 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51



Tgt Ion: 65 Resp: 49750
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4

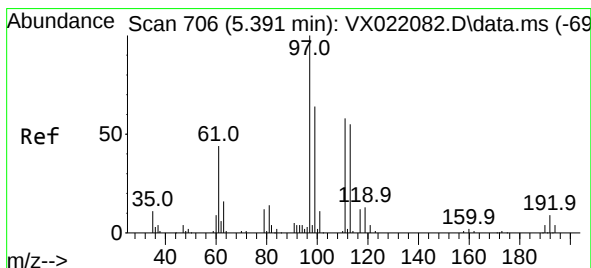
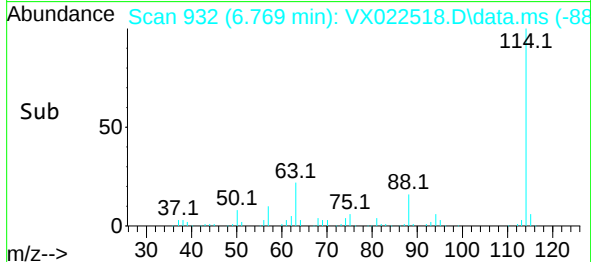
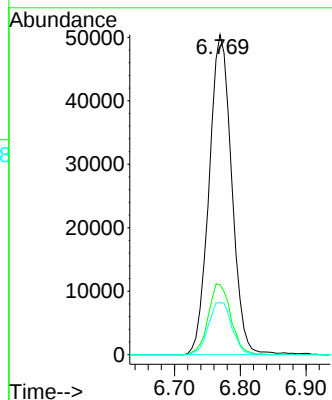
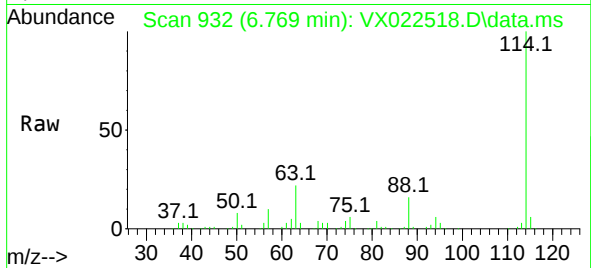




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

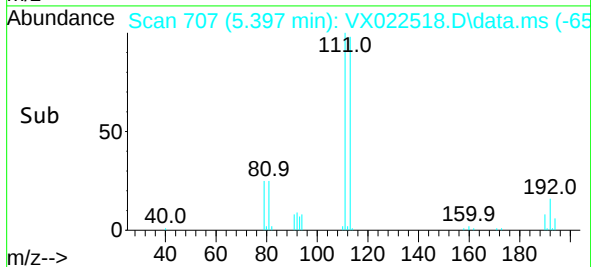
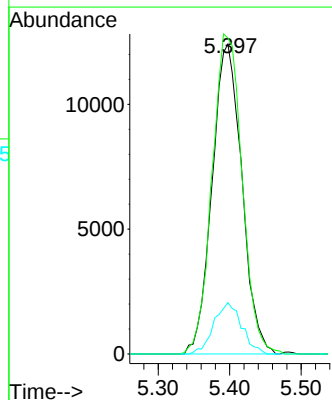
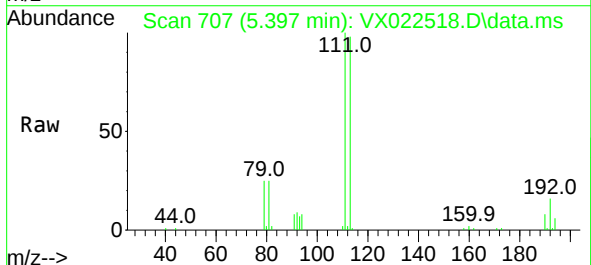
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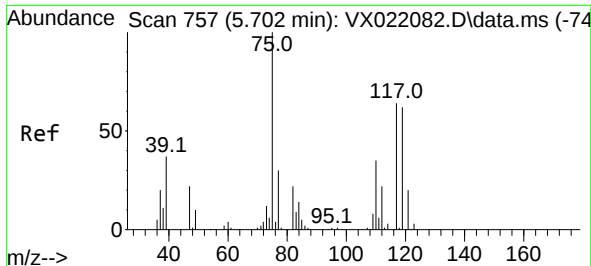
Tgt Ion:114 Resp: 120368
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.893 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion:113 Resp: 35794
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 15.6 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.390 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022518.D

Acq: 07 Jun 2021 07:51

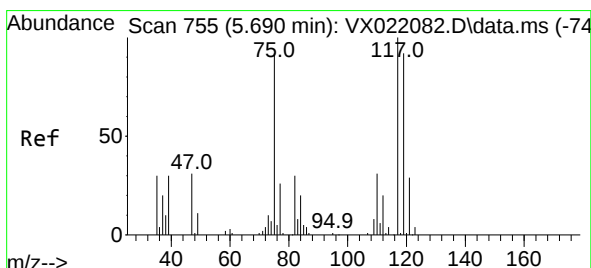
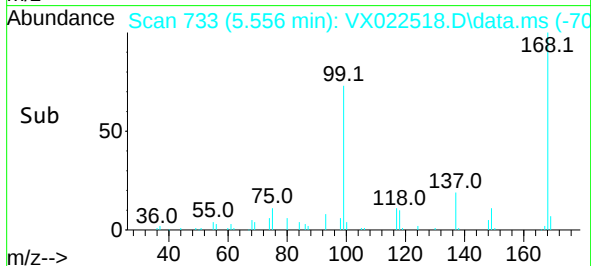
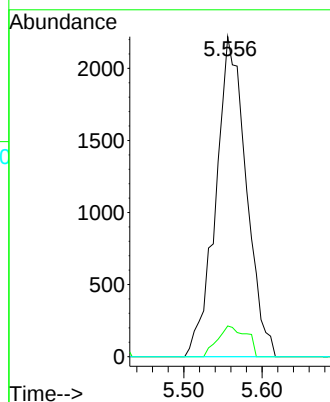
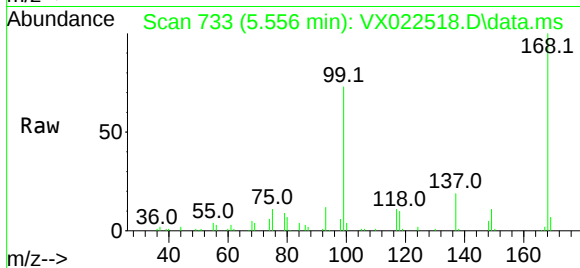
Instrument :

MSVOA_X

ClientSampleId :

PB136857ZHE#12

Tgt Ion: 75	Resp: 5999
Ion Ratio	Lower Upper
75 100	
110 9.1	18.1 54.4#
77 0.0	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.845 ug/l

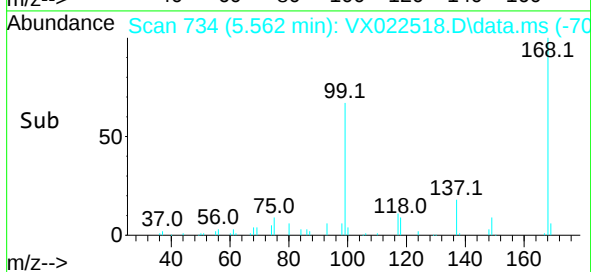
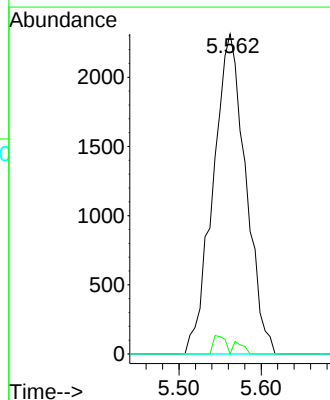
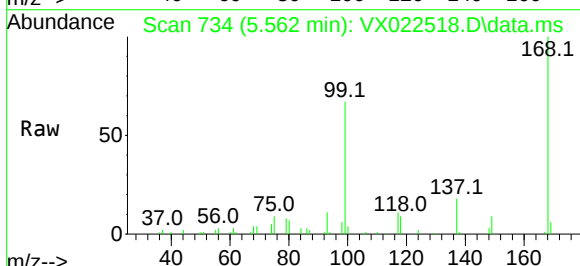
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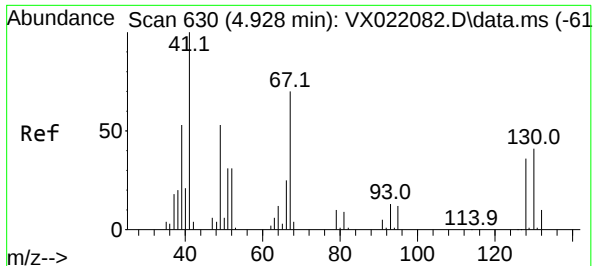
Delta R.T. -0.128 min

Lab File: VX022518.D

Acq: 07 Jun 2021 07:51

Tgt Ion: 117	Resp: 6364
Ion Ratio	Lower Upper
117 100	
119 0.0	76.2 114.2#
121 0.0	24.8 37.2#

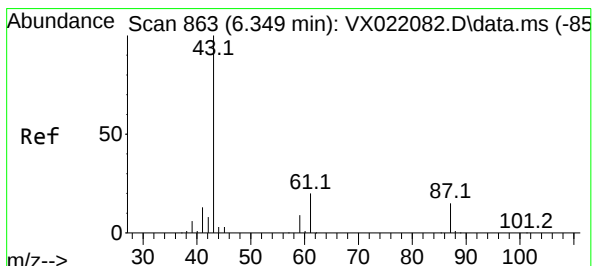
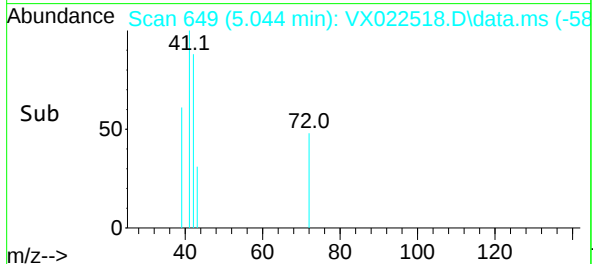
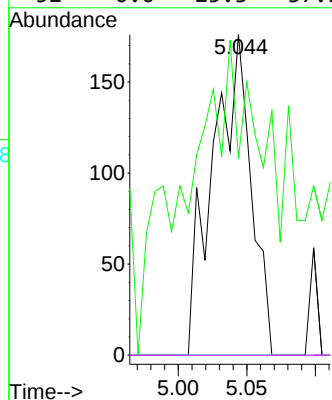
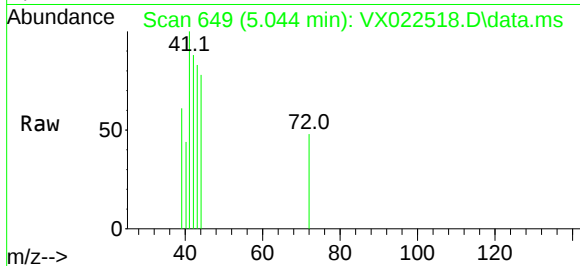




#41
Methacrylonitrile
Concen: 0.470 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

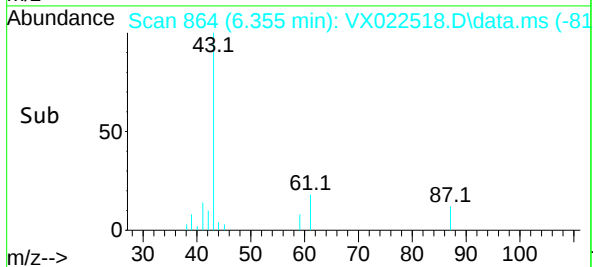
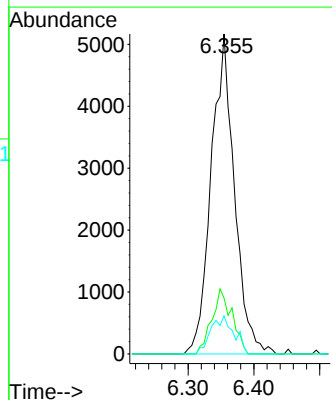
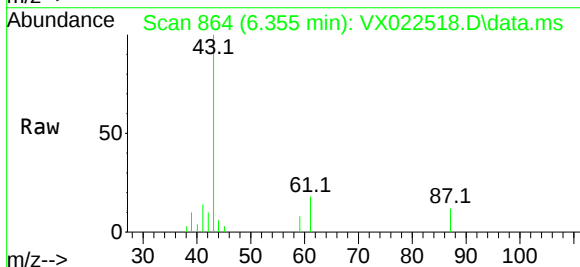
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12

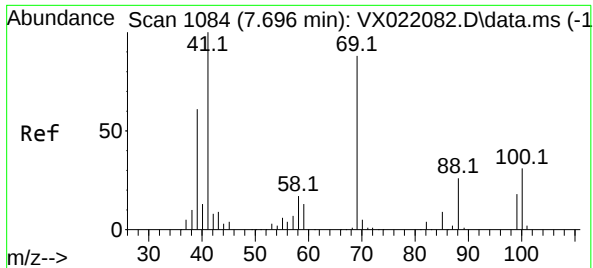
Tgt Ion:	41	Resp:	343
Ion	Ratio	Lower	Upper
41	100		
39	19.0	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.699 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion:	43	Resp:	12718
Ion	Ratio	Lower	Upper
43	100		
61	17.7	18.2	27.4#
87	11.7	12.5	18.7#

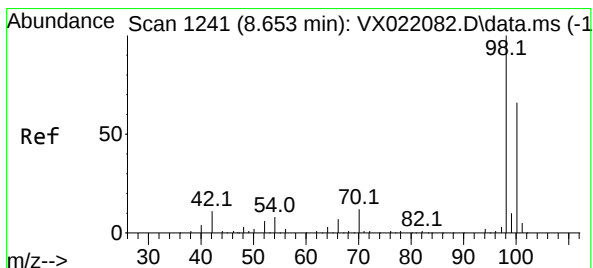
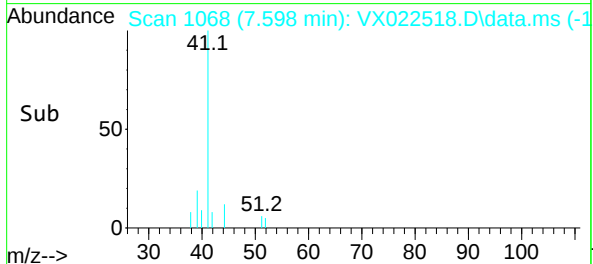
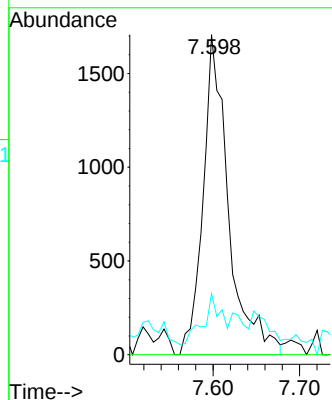
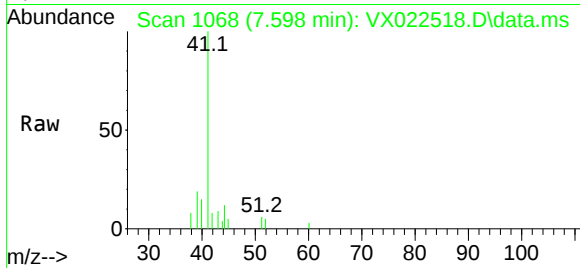




#48
Methyl methacrylate
Concen: 3.397 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

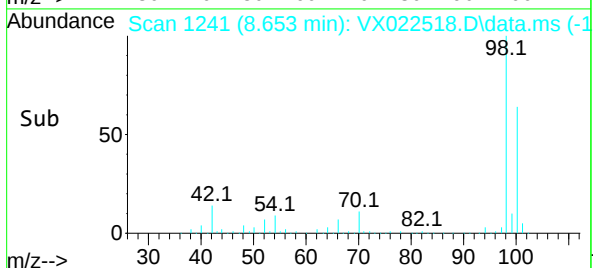
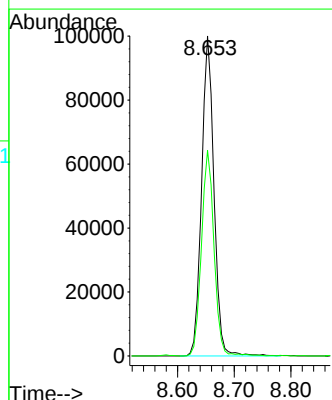
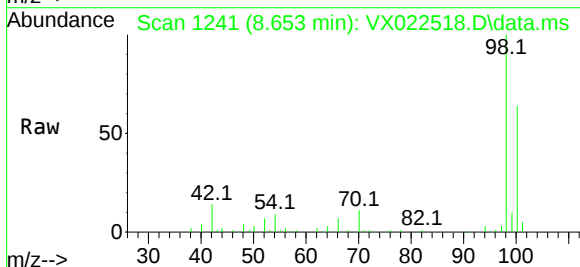
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12

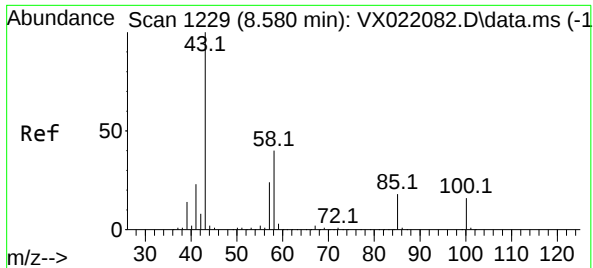
Tgt Ion: 41 Resp: 3494
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#50
Toluene-d8
Concen: 51.497 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion: 98 Resp: 151420
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

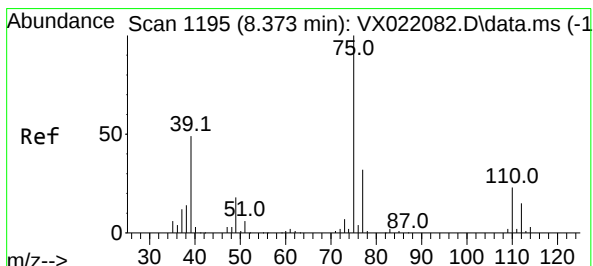
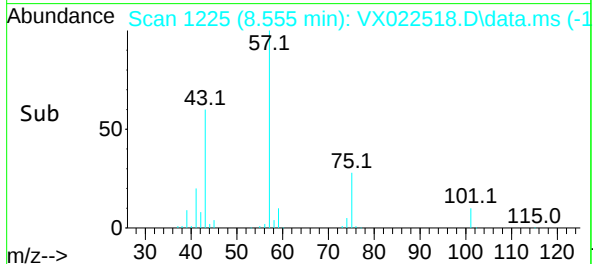
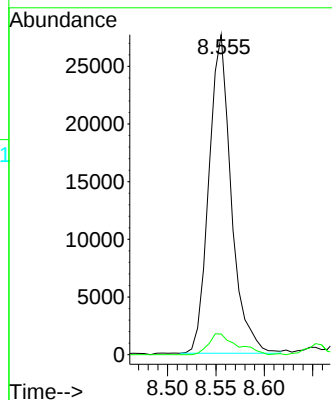
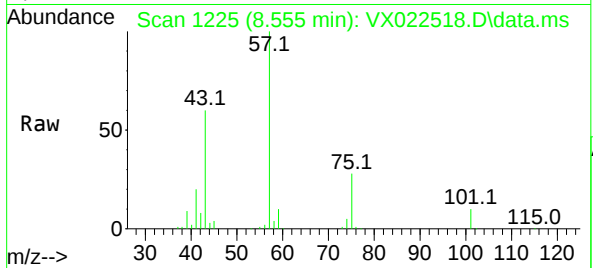




#51
4-Methyl-2-Pentanone
Concen: 33.265 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

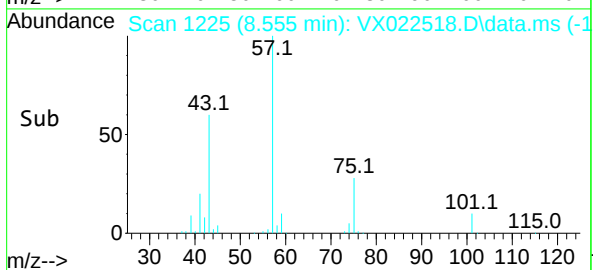
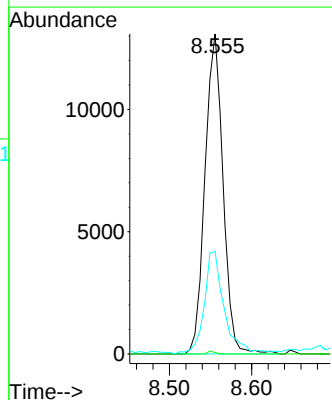
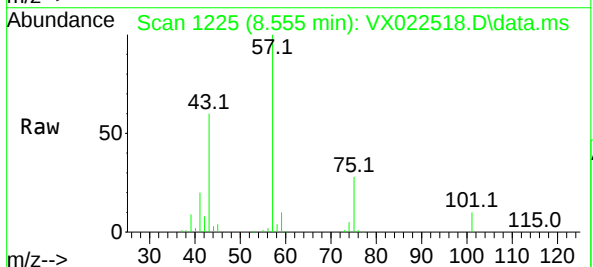
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12

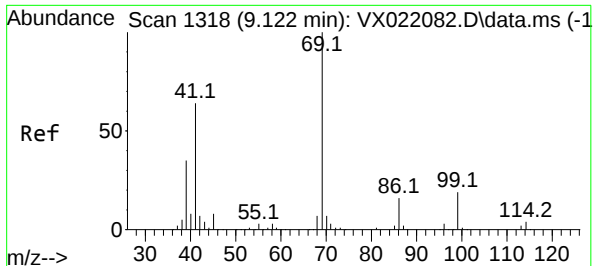
Tgt Ion: 43 Resp: 44470
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 13.578 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion: 75 Resp: 19984
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 31.3 35.1 52.7#

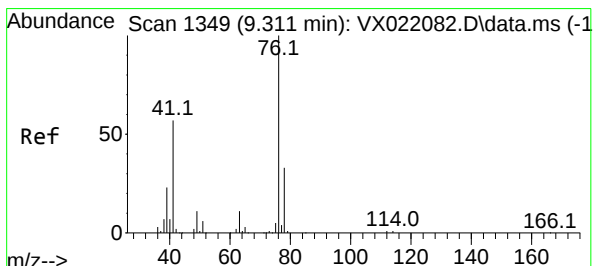
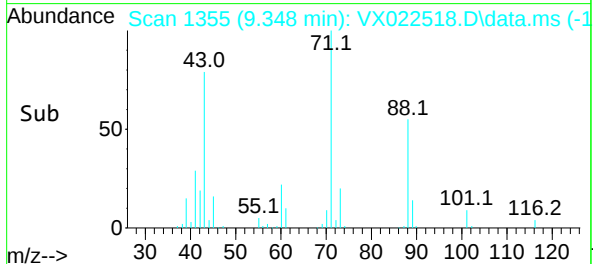
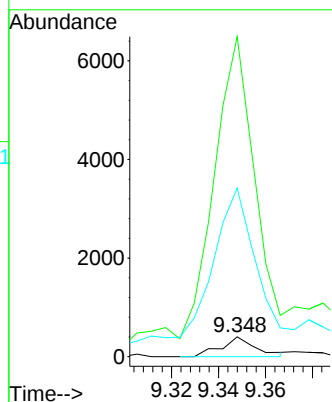
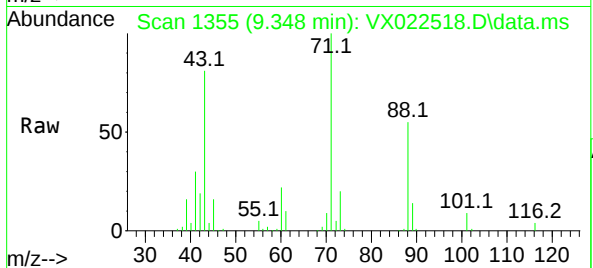




#56
Ethyl methacrylate
Concen: 0.287 ug/l
RT: 9.348 min Scan# 1355
Delta R.T. 0.226 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

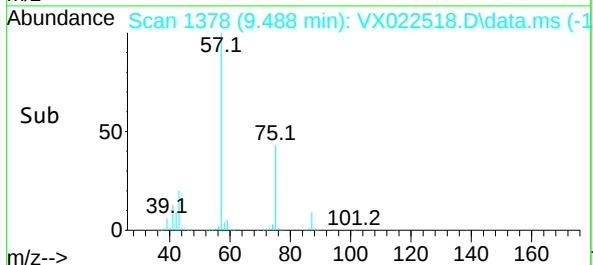
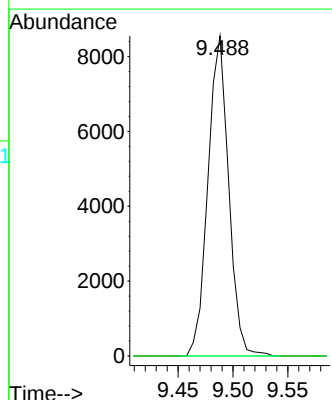
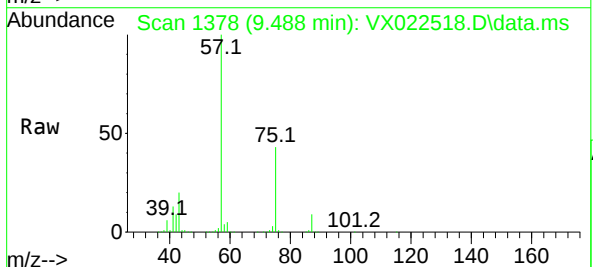
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12

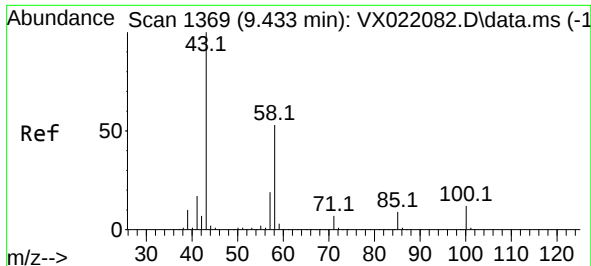
Tgt Ion: 69 Resp: 409
Ion Ratio Lower Upper
69 100
41 2178.0 46.8 70.2#
39 1239.1 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 7.476 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion: 76 Resp: 11238
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

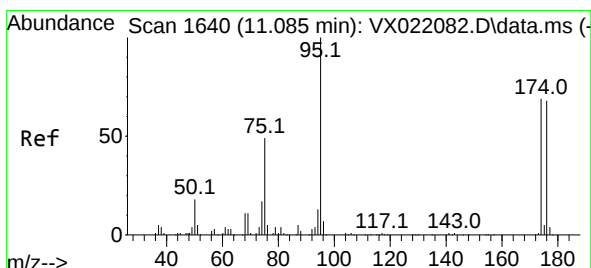
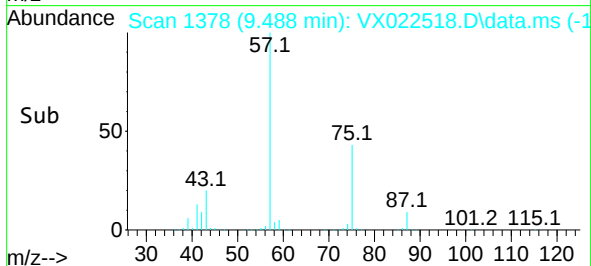
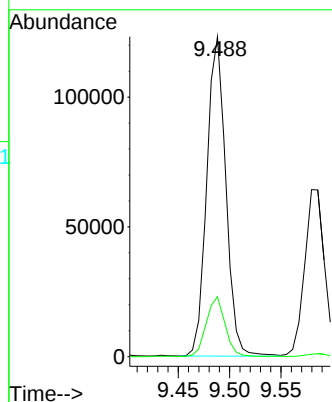
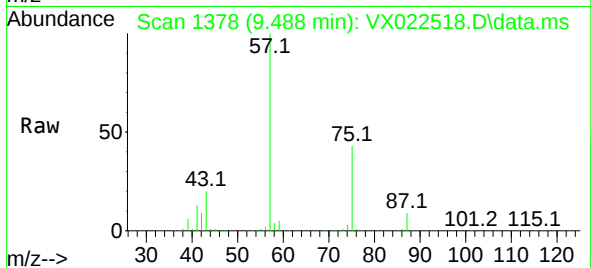




#59
2-Hexanone
Concen: 157.986 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

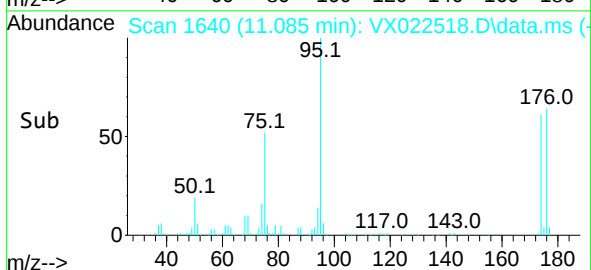
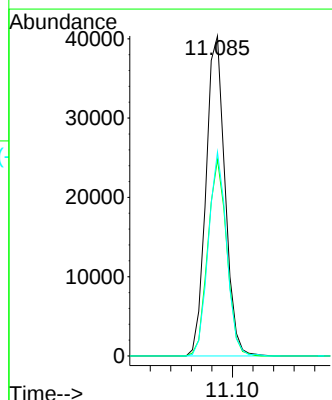
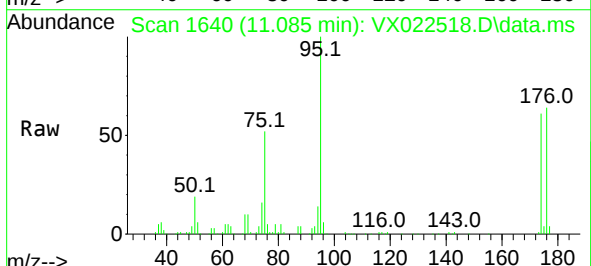
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12

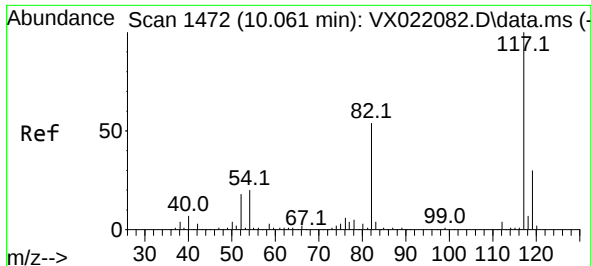
Tgt Ion: 43 Resp: 158845
Ion Ratio Lower Upper
43 100
58 18.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.840 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion: 95 Resp: 51994
Ion Ratio Lower Upper
95 100
174 61.0 0.0 154.6
176 61.2 0.0 155.8

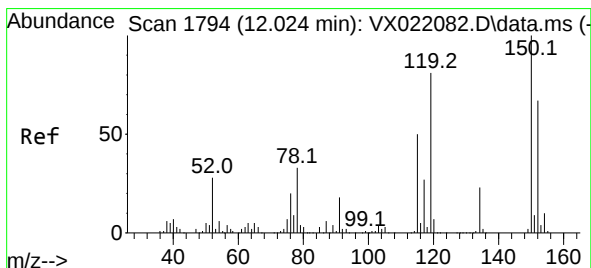
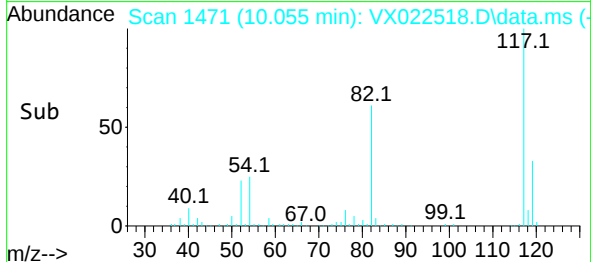
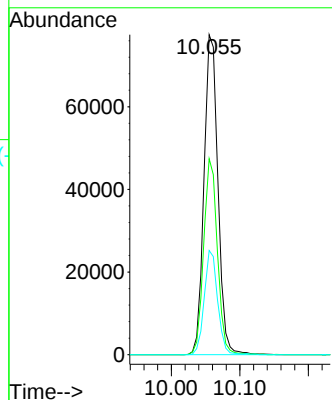
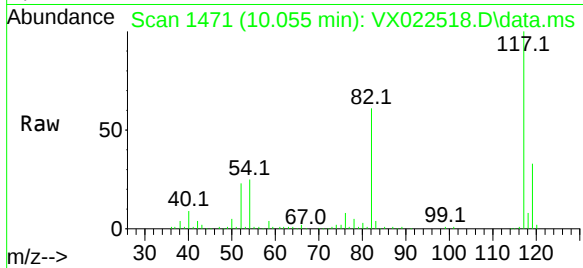




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

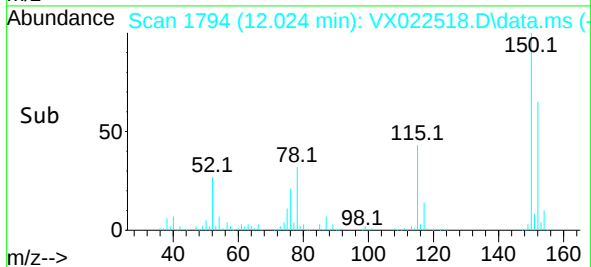
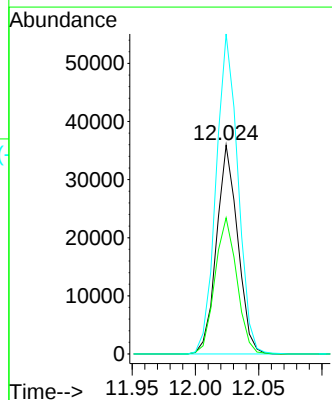
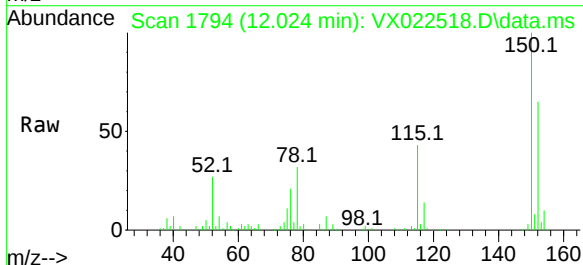
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12

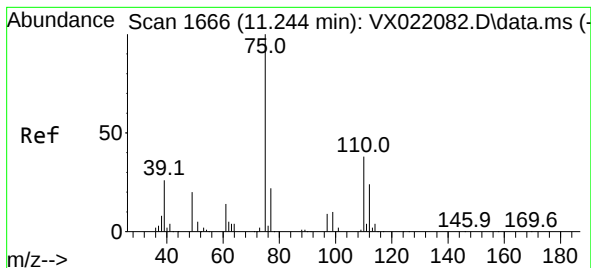
Tgt Ion:117 Resp: 109796
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion:152 Resp: 41817
Ion Ratio Lower Upper
152 100
115 67.6 41.1 123.3
150 157.9 0.0 349.0

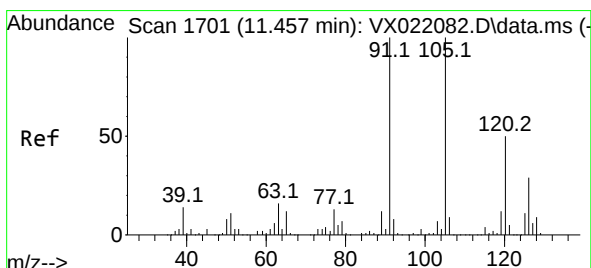
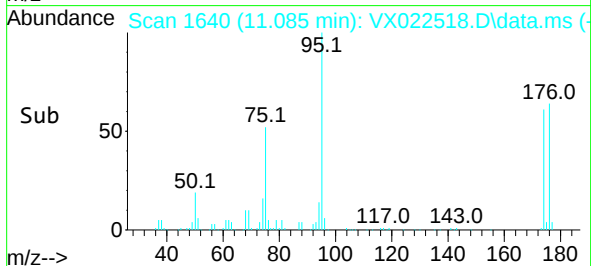
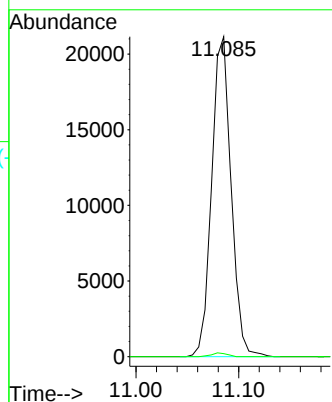
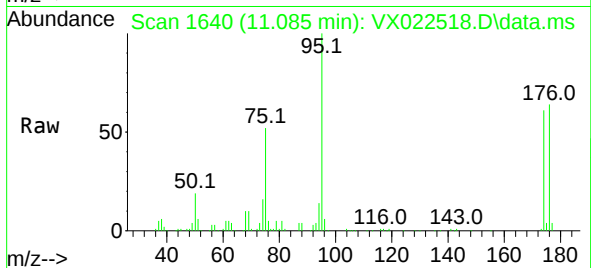




#76
1,2,3-Trichloropropane
Concen: 26.877 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

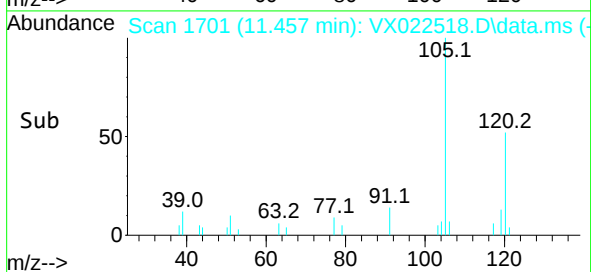
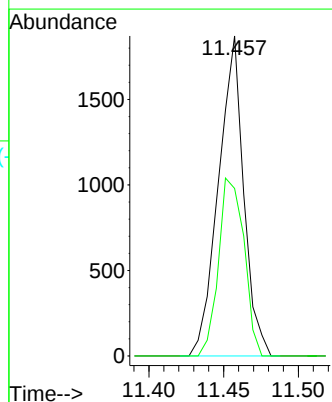
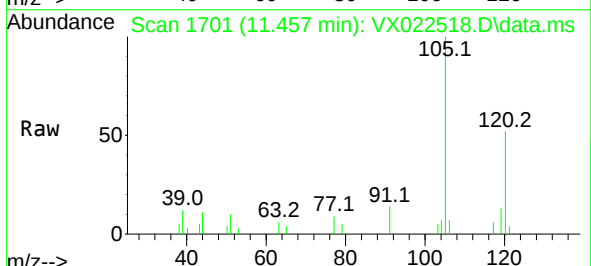
Instrument :
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ClientSampleId :
PB136857ZHE#12

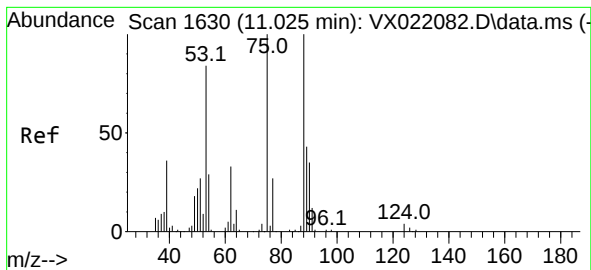
Tgt Ion: 75 Resp: 27727
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.749 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022518.D
Acq: 07 Jun 2021 07:51

Tgt Ion: 105 Resp: 2196
Ion Ratio Lower Upper
105 100
120 56.1 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 63.681 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.060 min

Lab File: VX022518.D

Acq: 07 Jun 2021 07:51

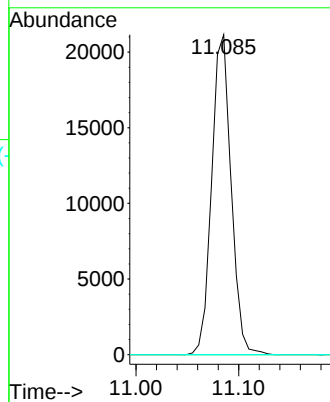
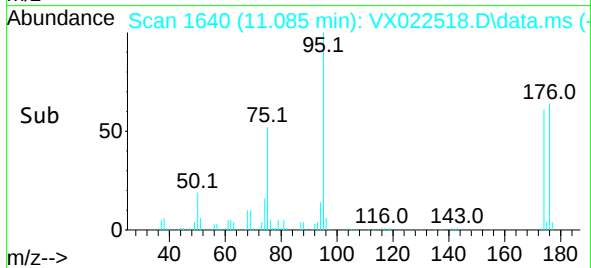
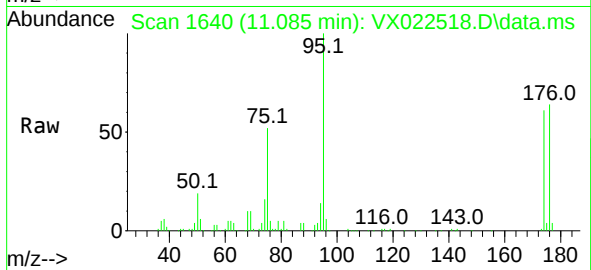
Tgt Ion: 75 Resp: 27727

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#



Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#12