

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023349.D
 Acq On : 19 Jul 2021 18:25
 Operator : JC/MD
 Sample : PB137749ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#14

Quant Time: Jul 20 05:27:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

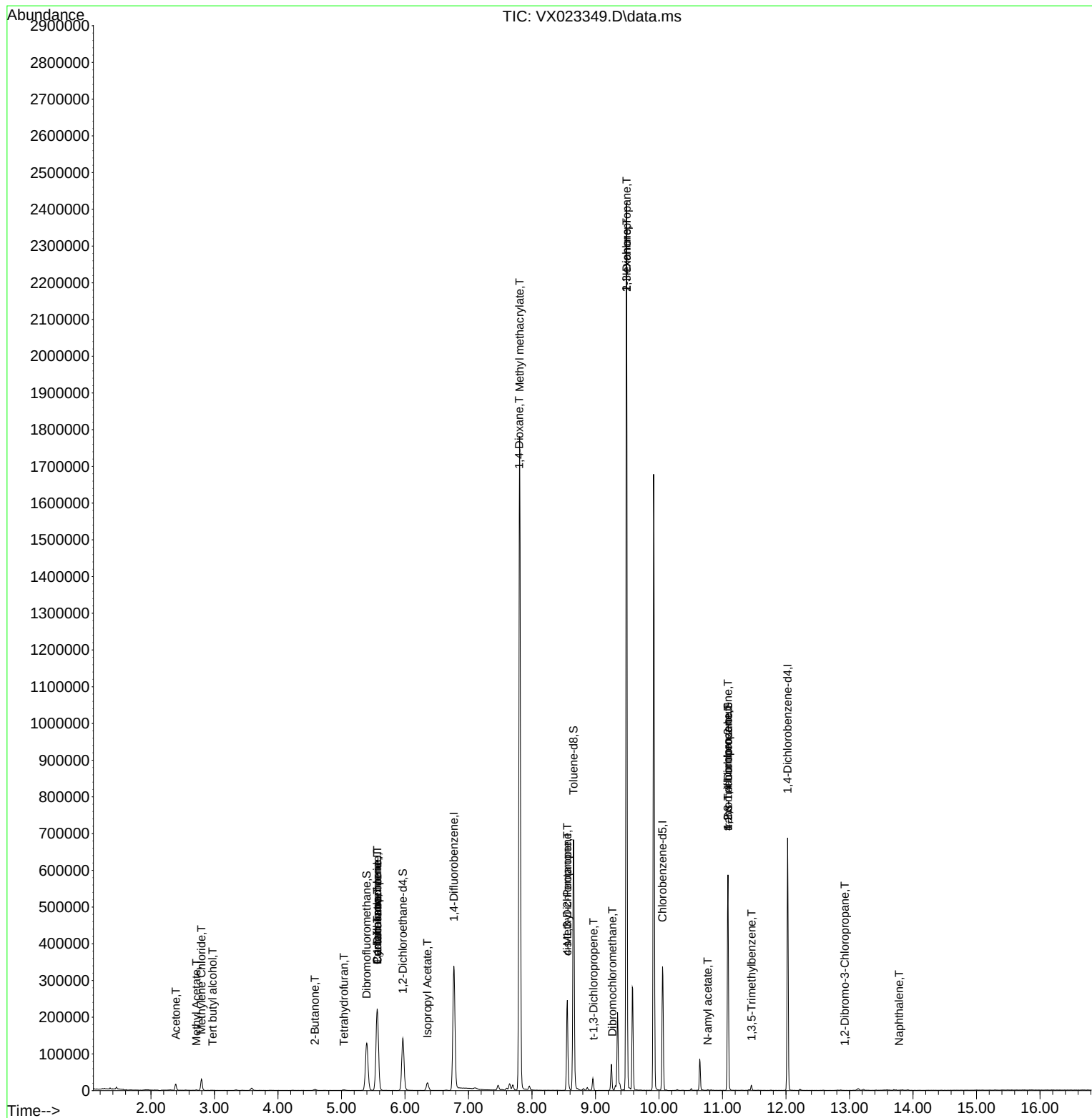
Internal Standards						
1) Pentafluorobenzene	5.562	168	205686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	339050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	146743	53.083	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.160%			
35) Dibromofluoromethane	5.398	113	111674	51.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.020%			
50) Toluene-d8	8.653	98	413026	50.572	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.140%			
62) 4-Bromofluorobenzene	11.086	95	150785	47.823	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.640%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	148	Below Cal	#	2
11) Tert butyl alcohol	2.971	59	287	0.493	ug/l #	73
16) Acetone	2.392	43	18170	16.614	ug/l #	84
18) Methyl Acetate	2.715	43	1875	0.706	ug/l #	85
20) Methylene Chloride	2.794	84	13555	5.756	ug/l	97
25) 2-Butanone	4.581	43	4415	2.677	ug/l #	88
29) Tetrahydrofuran	5.038	42	1599	1.508	ug/l #	62
31) Cyclohexane	5.562	56	4621	1.396	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16645	5.507	ug/l #	50
38) Carbon Tetrachloride	5.562	117	21926	6.950	ug/l #	16
43) Isopropyl Acetate	6.355	43	28815	5.254	ug/l	94
48) Methyl methacrylate	7.806	41	160768	59.740	ug/l #	38
49) 1,4-Dioxane	7.800	88	205	3.385	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	77741	22.875	ug/l #	47
53) t-1,3-Dichloropropene	8.970	75	28	2.744	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	43372	12.725	ug/l #	58
57) 1,3-Dichloropropane	9.488	76	22762	5.774	ug/l #	43
59) 2-Hexanone	9.488	43	244601	93.804	ug/l #	47
60) Dibromochloromethane	9.263	129	29	3.123	ug/l #	11
74) N-amyl acetate	10.769	43	879	0.220	ug/l #	43
76) 1,2,3-Trichloropropane	11.086	75	80160	29.745	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	5895	0.726	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.086	75	80160	79.906	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.927	75	27	2.605	ug/l #	1
95) Naphthalene	13.780	128	253	1.300	ug/l #	69

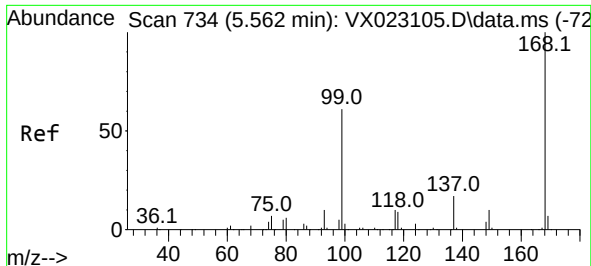
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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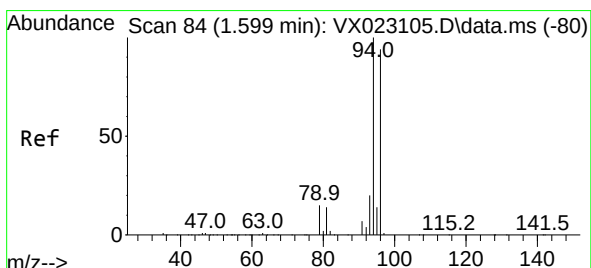
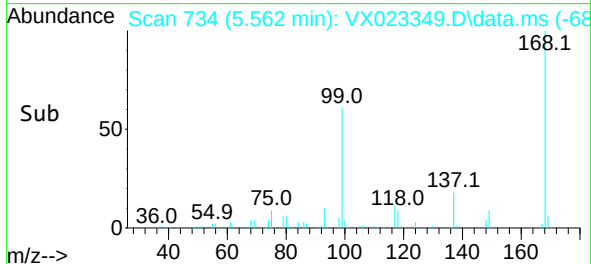
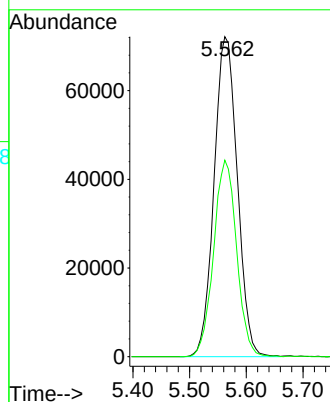
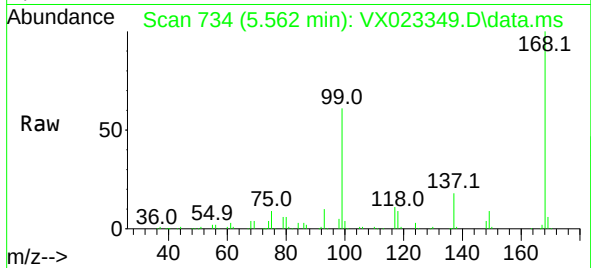




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

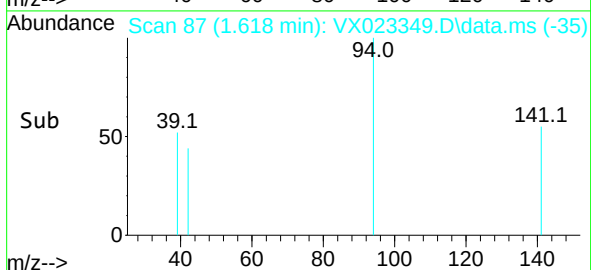
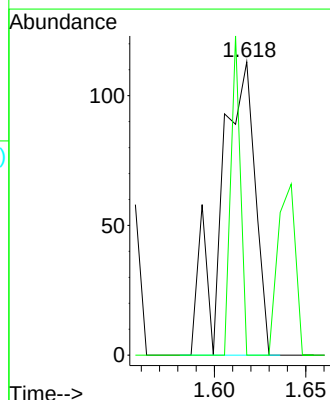
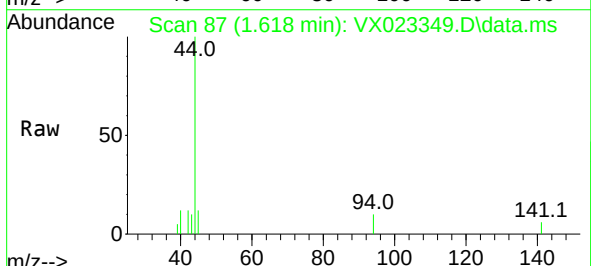
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

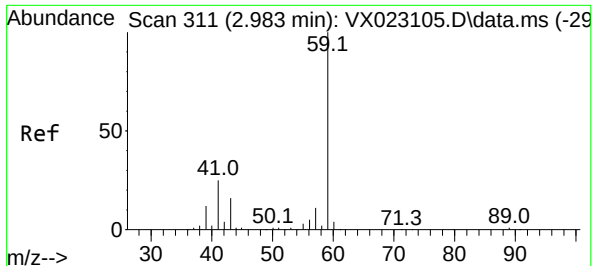
Tgt Ion:168 Resp: 205686
Ion Ratio Lower Upper
168 100
99 61.4 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 94 Resp: 148
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

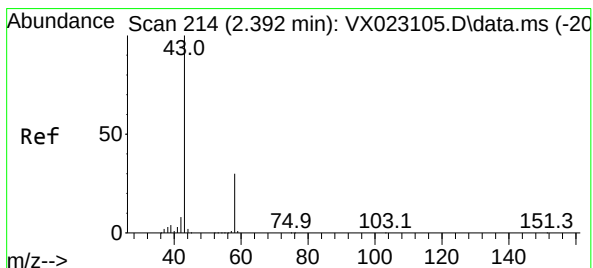
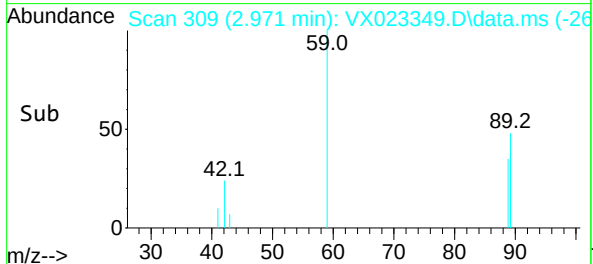
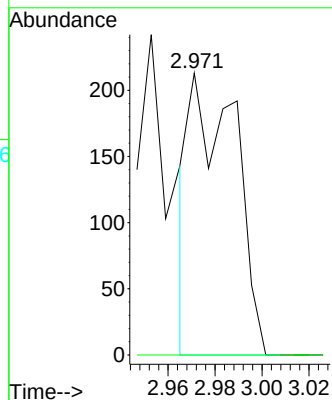
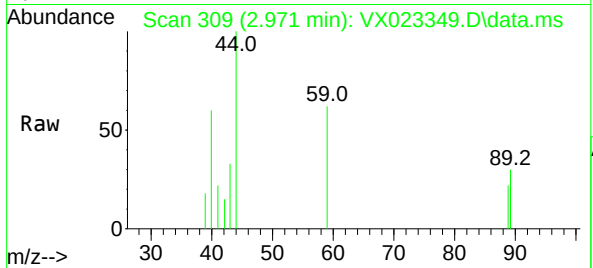




#11
Tert butyl alcohol
Concen: 0.493 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

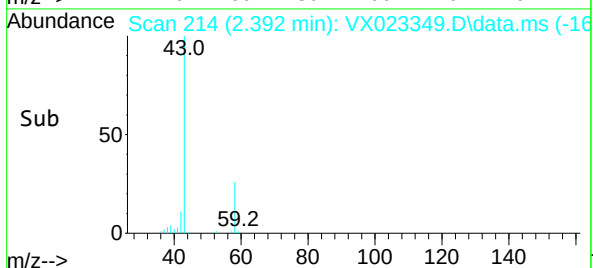
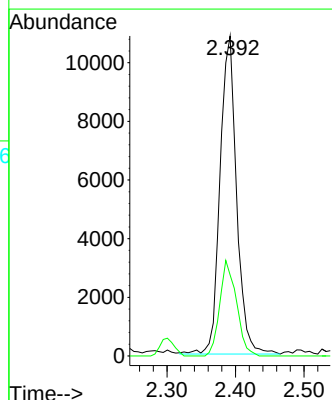
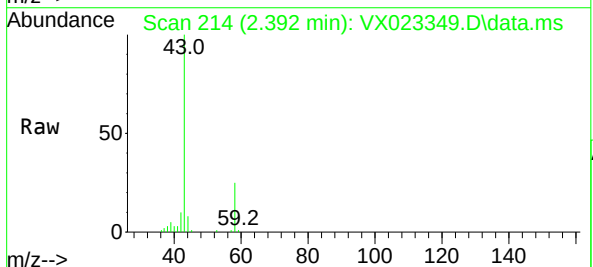
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

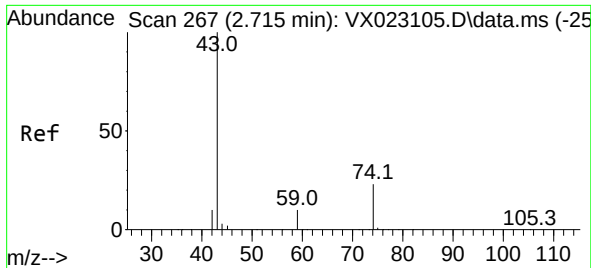
Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 16.614 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 43 Resp: 18170
Ion Ratio Lower Upper
43 100
58 25.5 27.8 41.8#

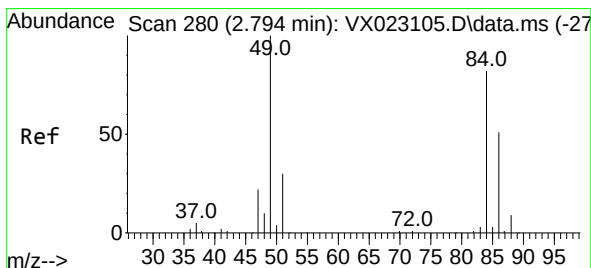
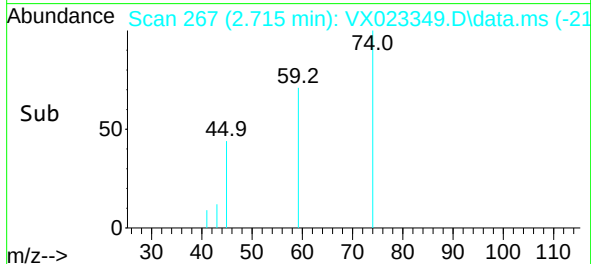
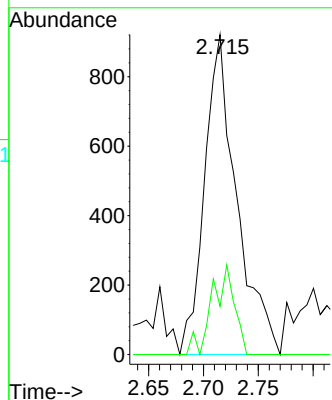
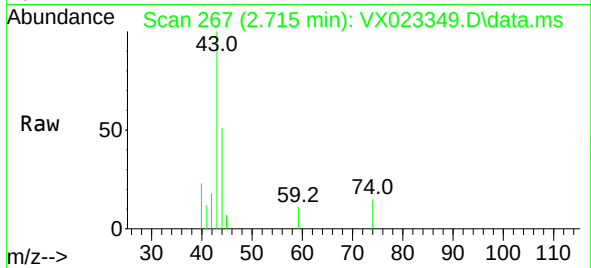




#18
Methyl Acetate
Concen: 0.706 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

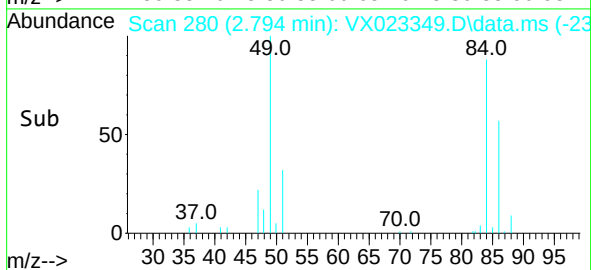
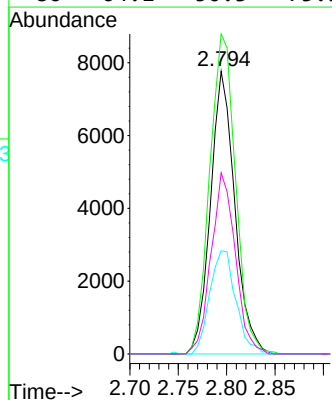
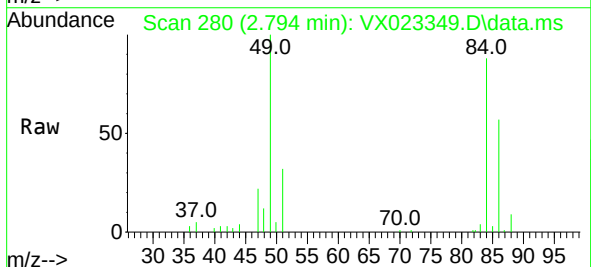
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

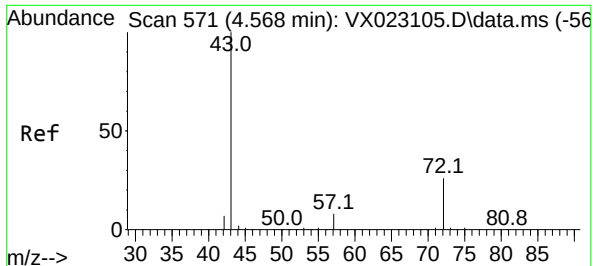
Tgt Ion: 43 Resp: 1875
Ion Ratio Lower Upper
43 100
74 19.6 21.9 32.9#



#20
Methylene Chloride
Concen: 5.756 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 84 Resp: 13555
Ion Ratio Lower Upper
84 100
49 113.2 88.6 132.8
51 36.5 27.0 40.6
86 64.1 50.3 75.5

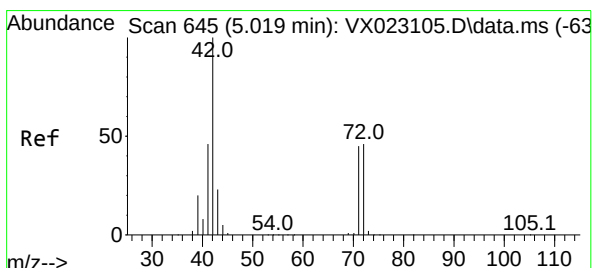
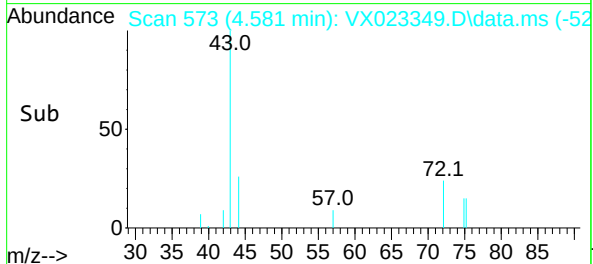
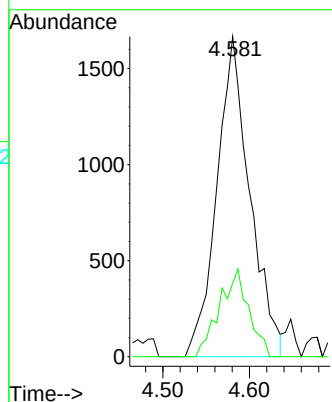
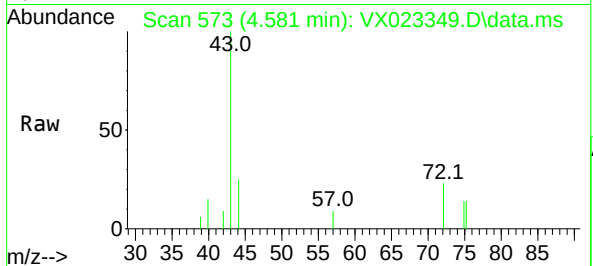




#25
2-Butanone
Concen: 2.677 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

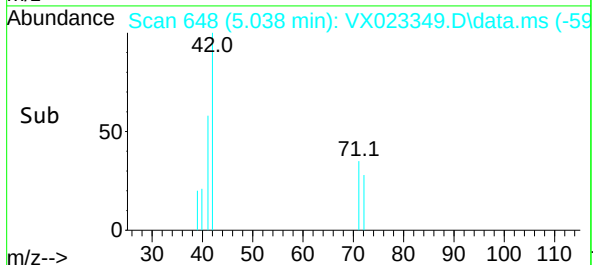
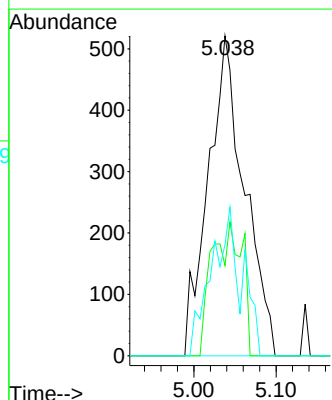
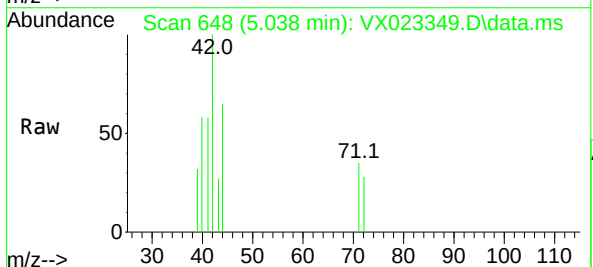
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

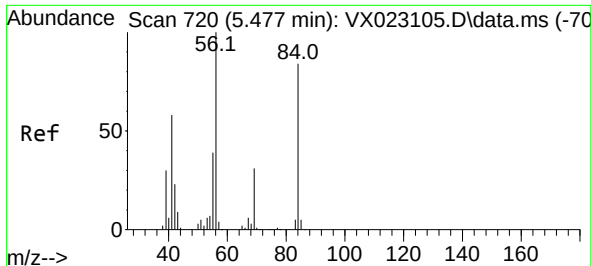
Tgt Ion: 43 Resp: 4415
Ion Ratio Lower Upper
43 100
72 22.9 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.508 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 42 Resp: 1599
Ion Ratio Lower Upper
42 100
72 17.8 41.7 62.5#
71 30.6 38.4 57.6#

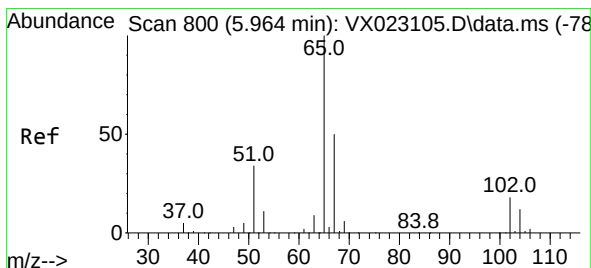
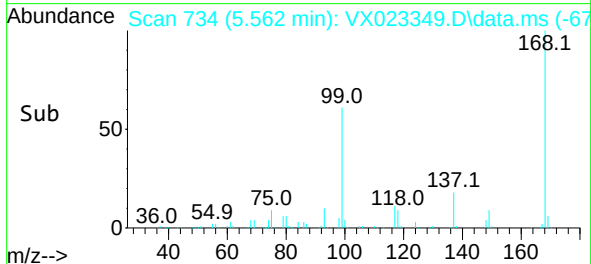
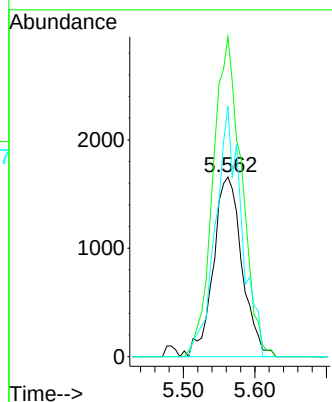
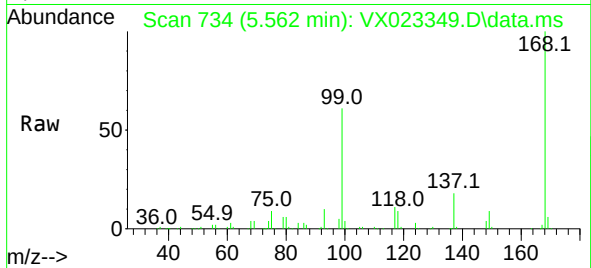




#31
Cyclohexane
Concen: 1.396 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

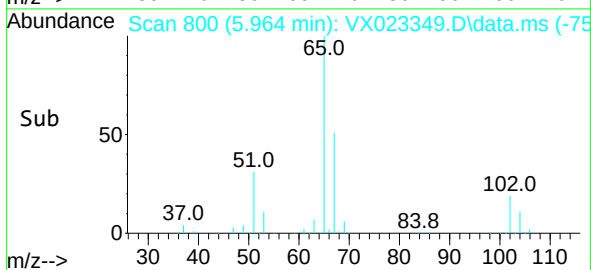
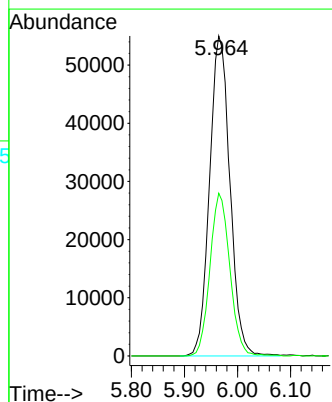
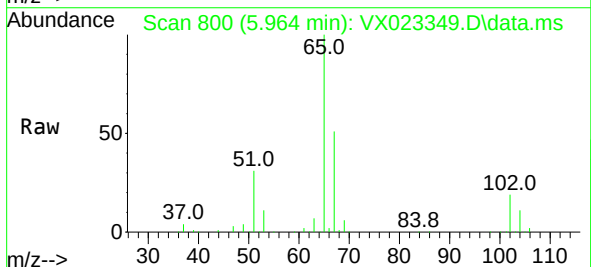
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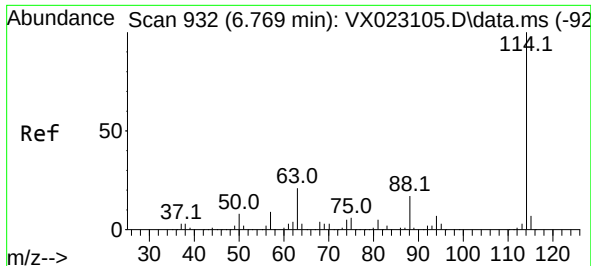
Tgt Ion: 56 Resp: 4621
Ion Ratio Lower Upper
56 100
69 178.2 25.3 37.9#
84 139.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.083 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 65 Resp: 146743
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

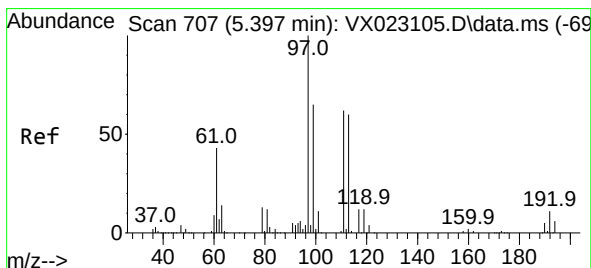
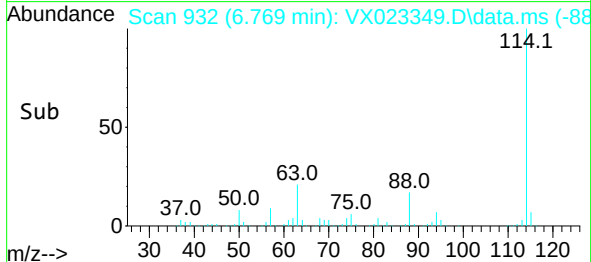
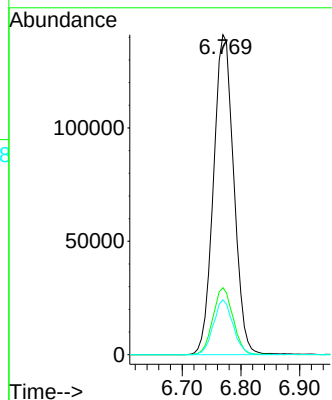
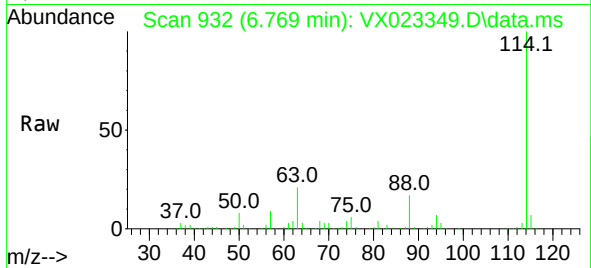




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

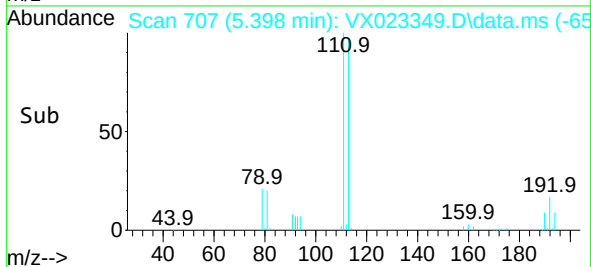
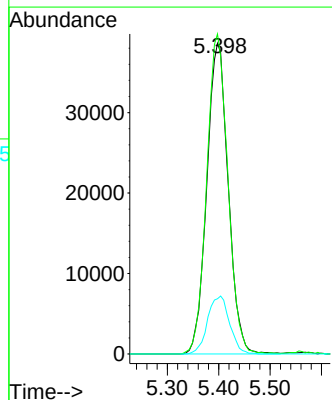
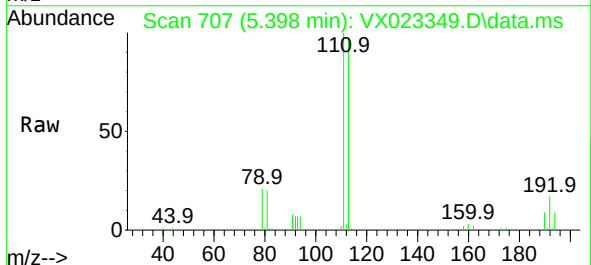
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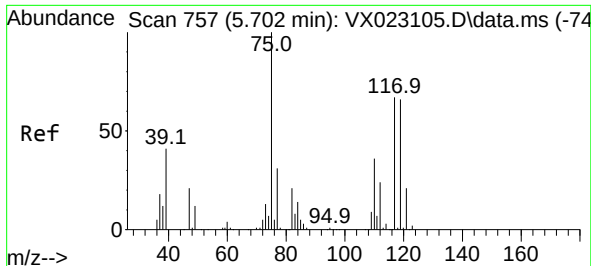
Tgt Ion:114 Resp: 339050
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.006 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.001 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion:113 Resp: 111674
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.507 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023349.D

Acq: 19 Jul 2021 18:25

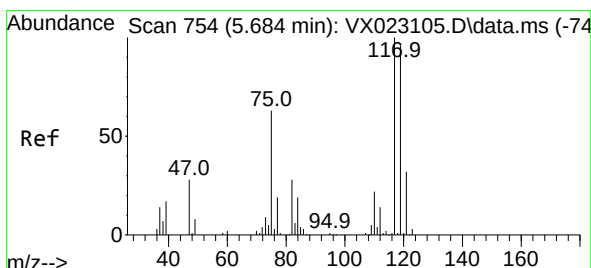
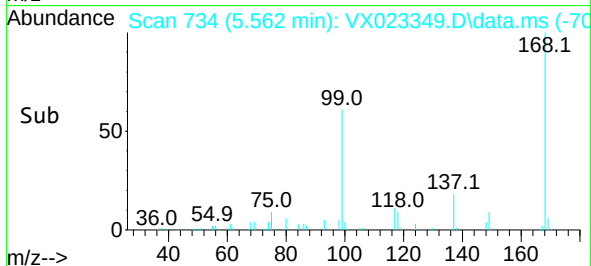
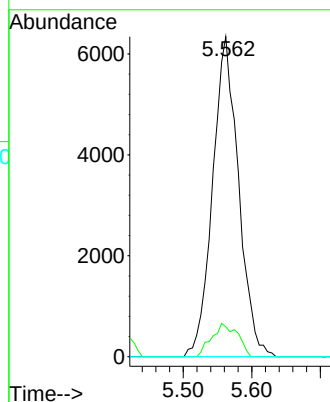
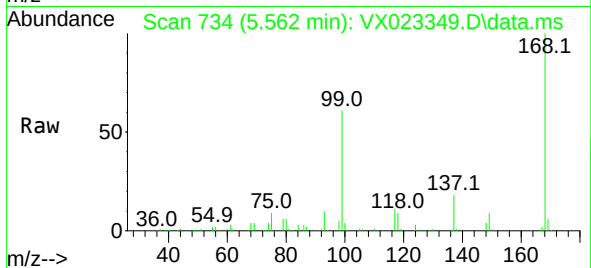
Tgt Ion: 75 Resp: 16645

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.950 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX023349.D

Acq: 19 Jul 2021 18:25

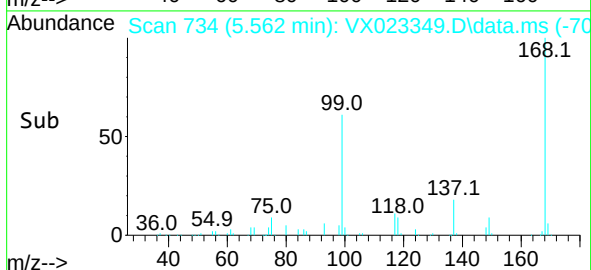
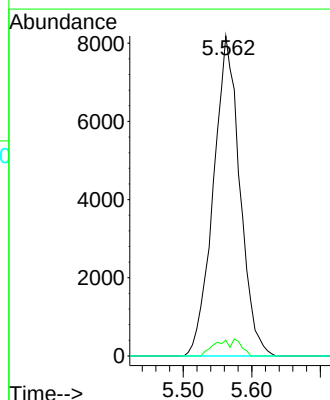
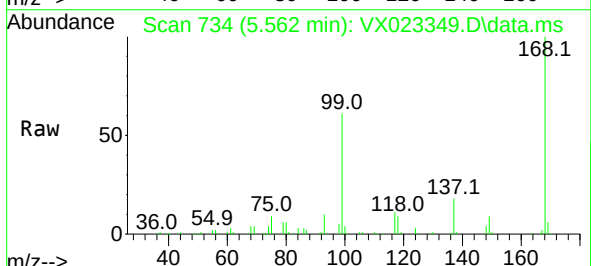
Tgt Ion: 117 Resp: 21926

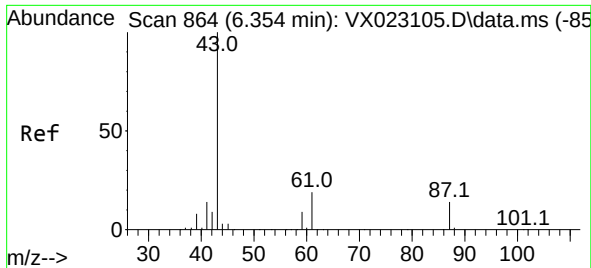
Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

121 0.0 24.8 37.2#

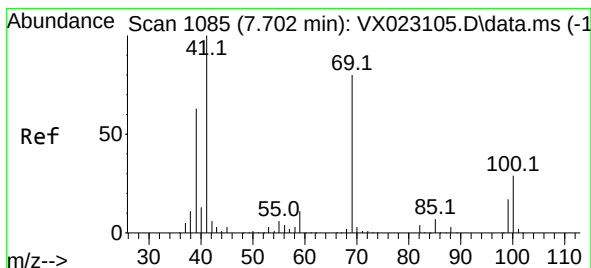
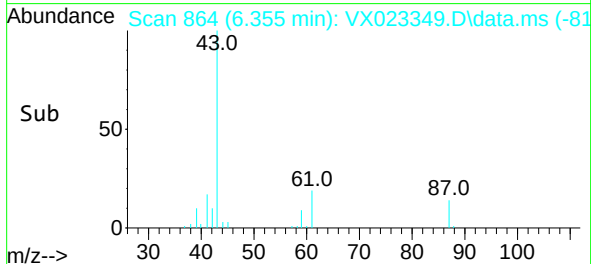
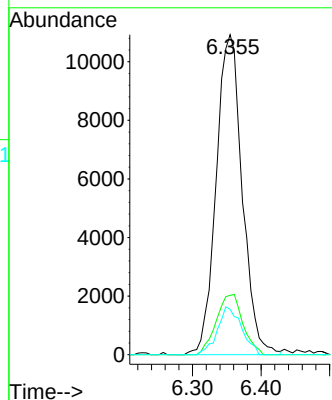
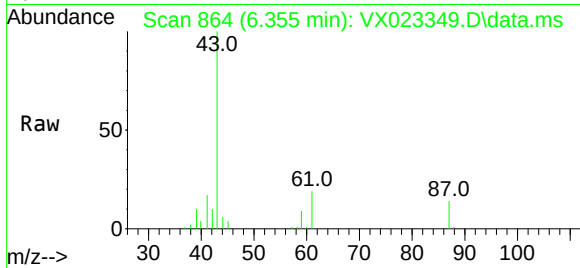




#43
Isopropyl Acetate
Concen: 5.254 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

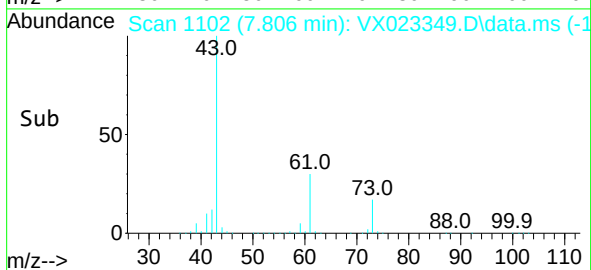
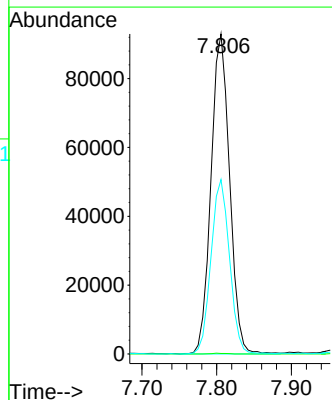
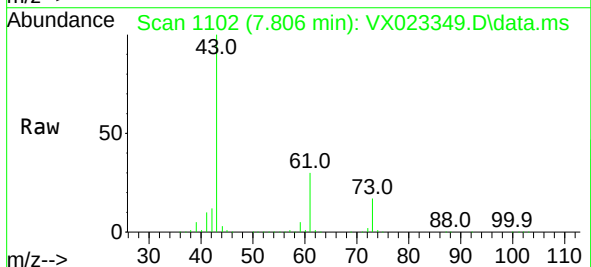
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

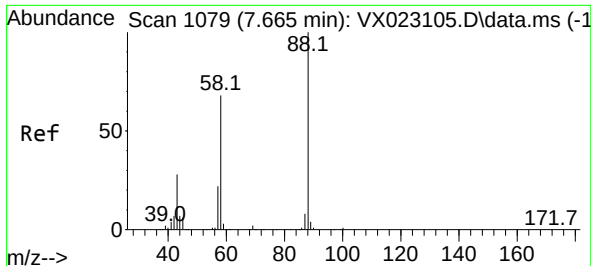
Tgt Ion:	43	Resp:	28815
Ion	Ratio	Lower	Upper
43	100		
61	19.2	18.2	27.4
87	13.8	12.5	18.7



#48
Methyl methacrylate
Concen: 59.740 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion:	41	Resp:	160768
Ion	Ratio	Lower	Upper
41	100		
69	0.2	76.0	114.0#
39	54.3	44.6	67.0

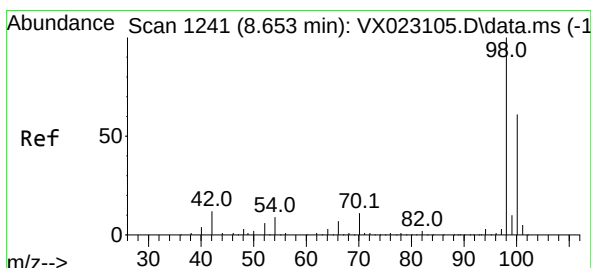
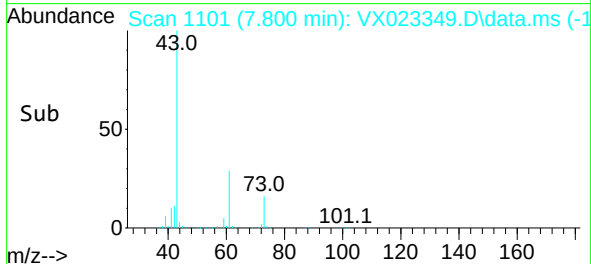
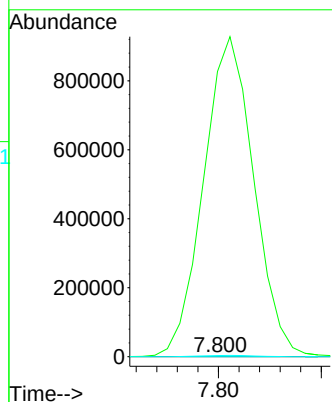
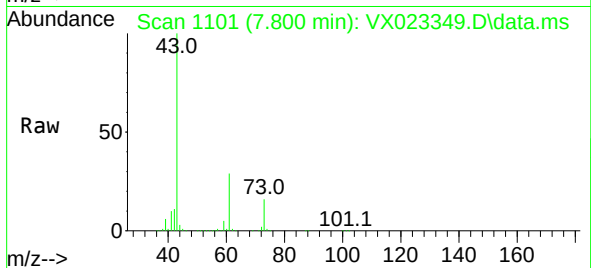




#49
1,4-Dioxane
Concen: 3.385 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.135 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

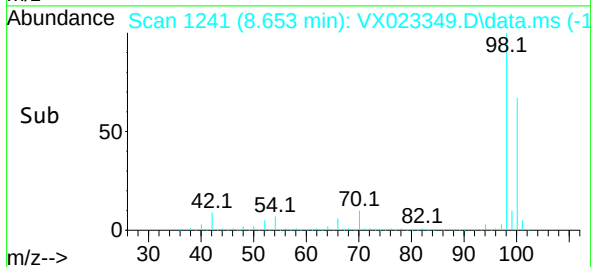
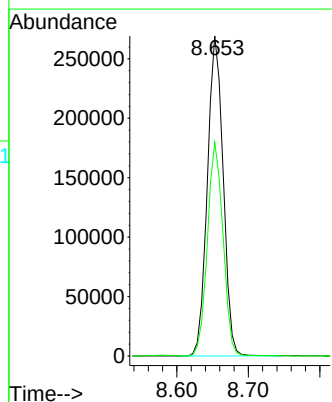
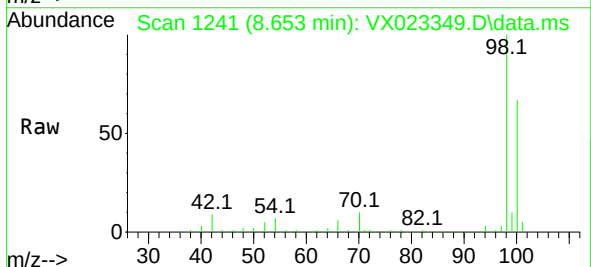
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

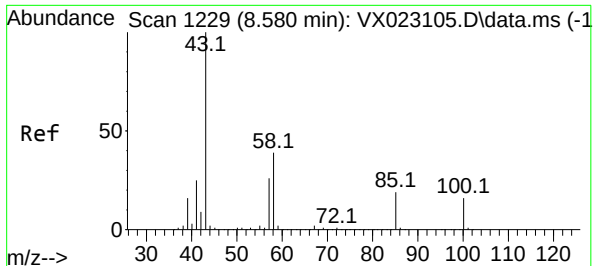
Tgt Ion: 88 Resp: 205
Ion Ratio Lower Upper
88 100
43 773237.6 23.2 34.8#
58 3340.5 55.0 82.4#



#50
Toluene-d8
Concen: 50.572 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 98 Resp: 413026
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9

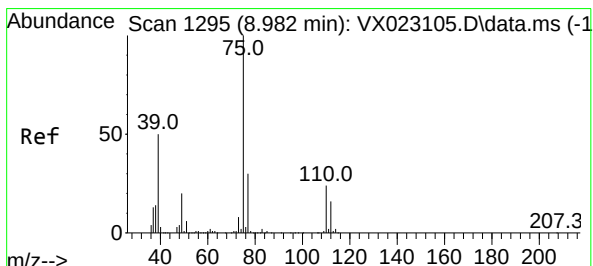
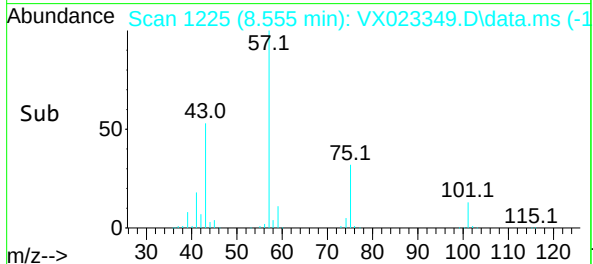
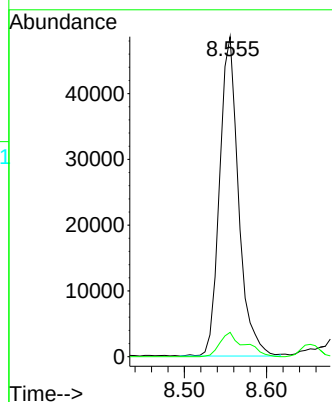
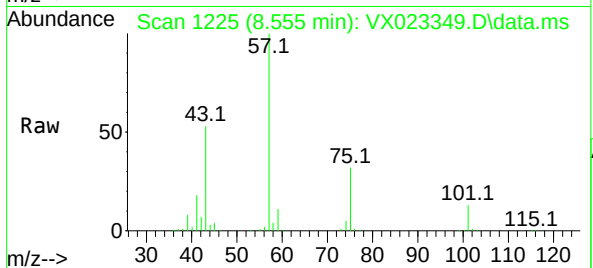




#51
4-Methyl-2-Pentanone
Concen: 22.875 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

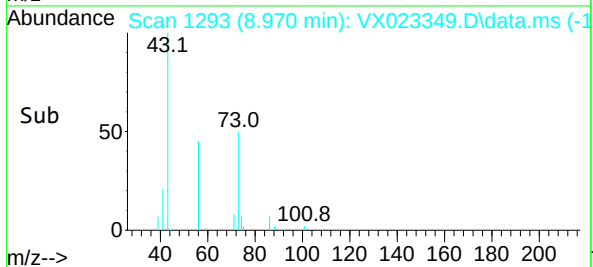
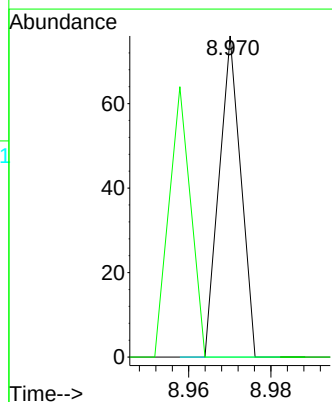
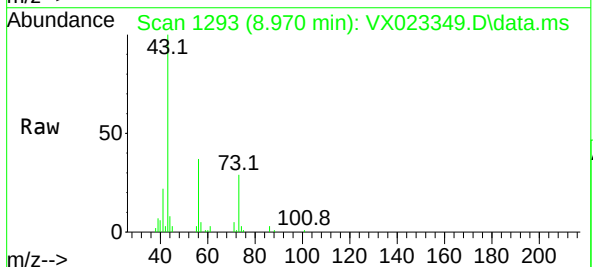
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

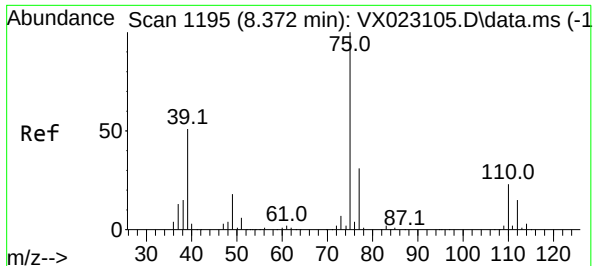
Tgt Ion: 43 Resp: 77741
Ion Ratio Lower Upper
43 100
58 10.0 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.744 ug/l
RT: 8.970 min Scan# 1293
Delta R.T. -0.012 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

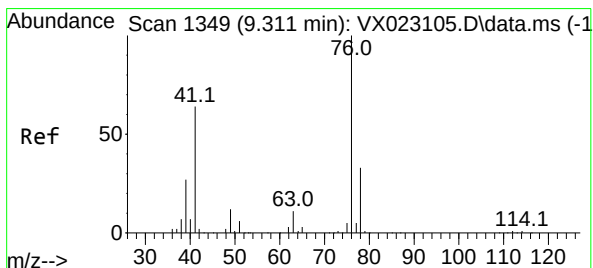
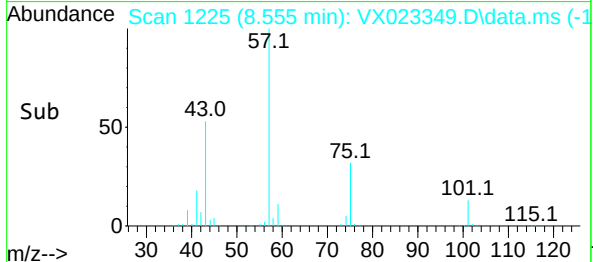
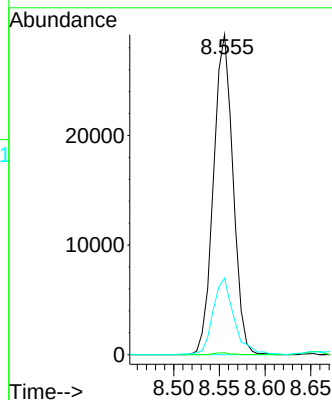
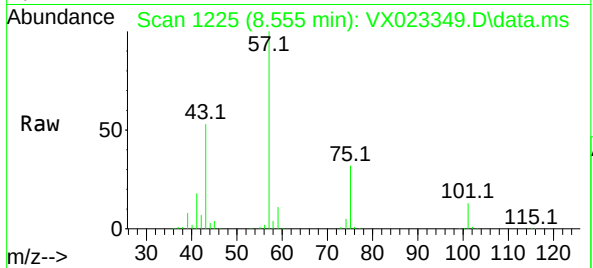




#54
cis-1,3-Dichloropropene
Concen: 12.725 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

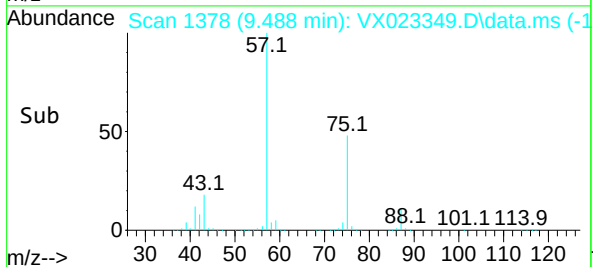
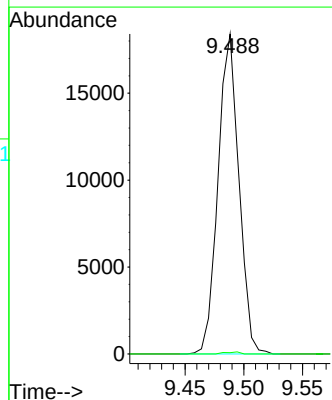
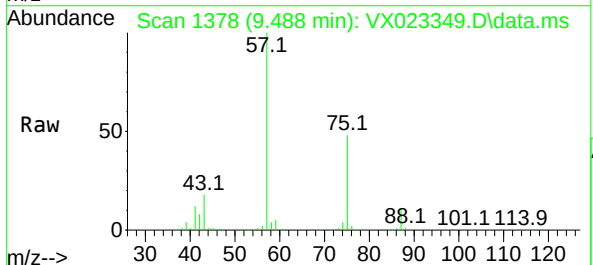
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

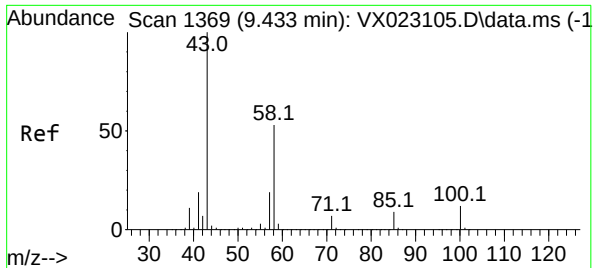
Tgt Ion: 75 Resp: 43372
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 23.7 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.774 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 76 Resp: 22762
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

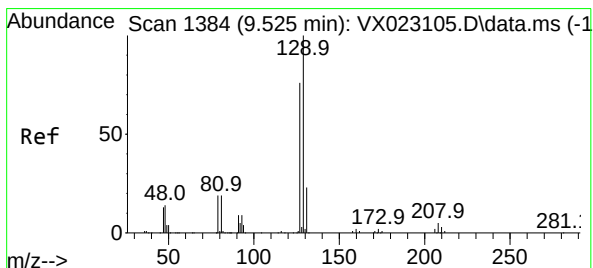
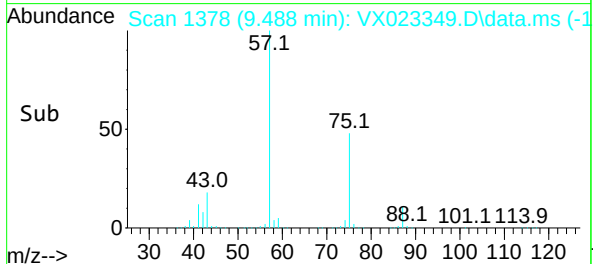
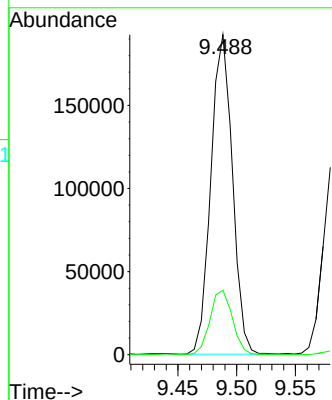
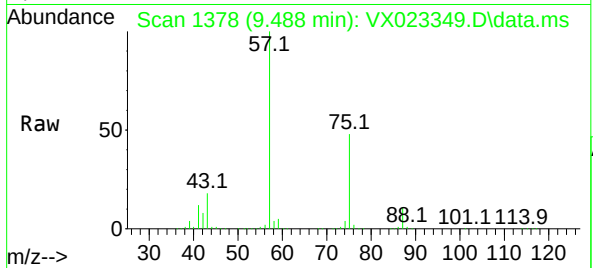




#59
2-Hexanone
Concen: 93.804 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

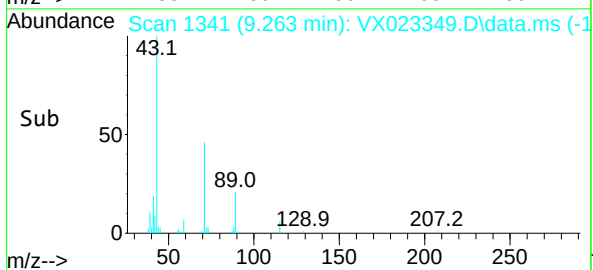
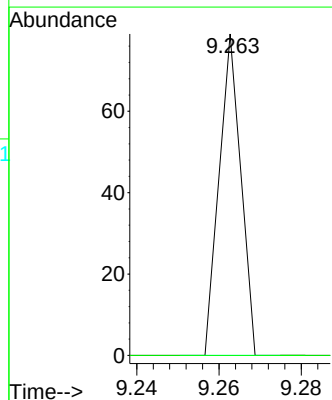
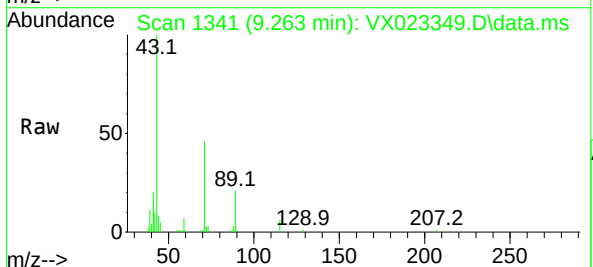
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

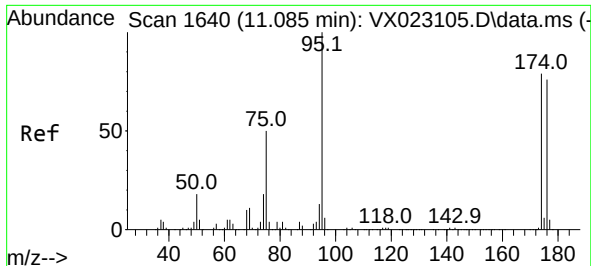
Tgt Ion: 43 Resp: 244601
Ion Ratio Lower Upper
43 100
58 21.0 30.9 92.8#



#60
Dibromochloromethane
Concen: 3.123 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. -0.262 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 129 Resp: 29
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

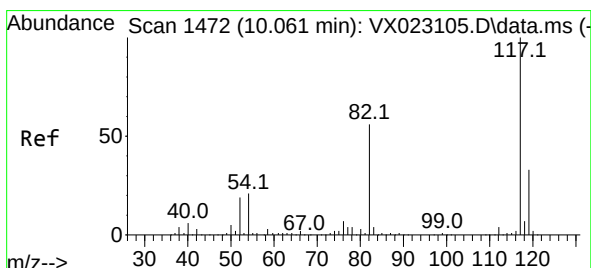
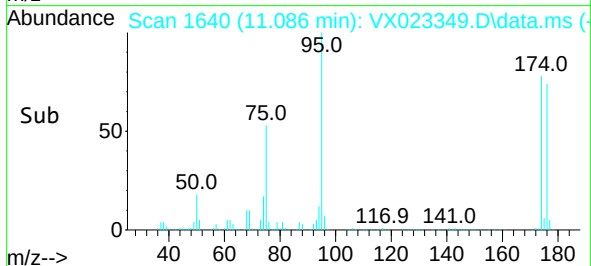
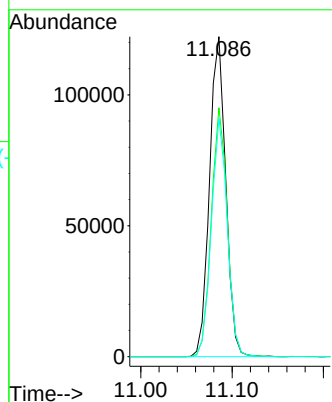
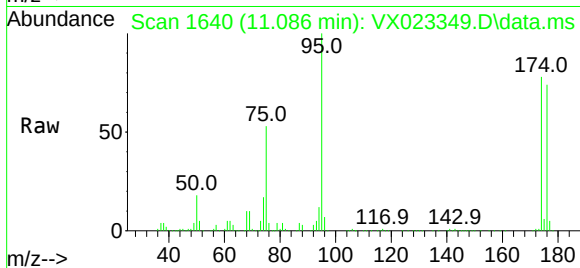




#62
4-Bromofluorobenzene
Concen: 47.823 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.001 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

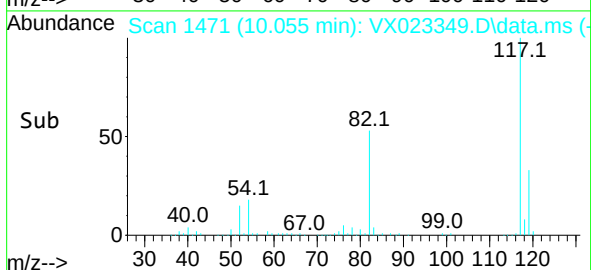
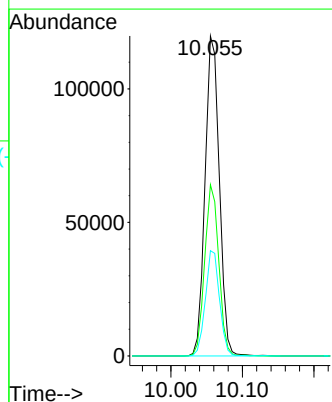
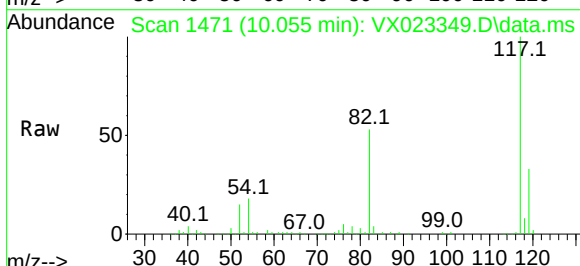
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

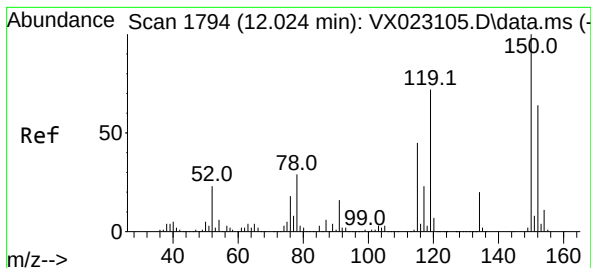
Tgt Ion: 95 Resp: 150785
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 73.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 117 Resp: 166479
Ion Ratio Lower Upper
117 100
82 53.5 47.4 71.2
119 32.9 26.6 39.8

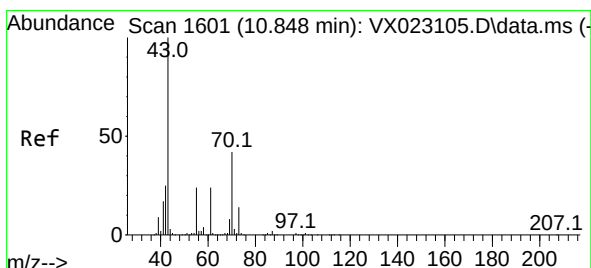
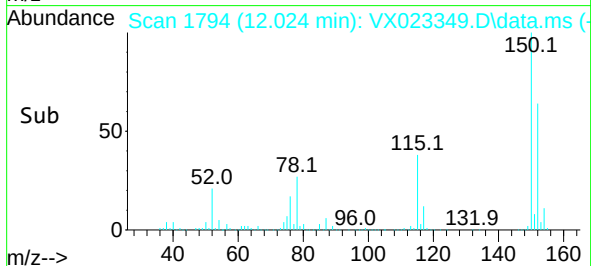
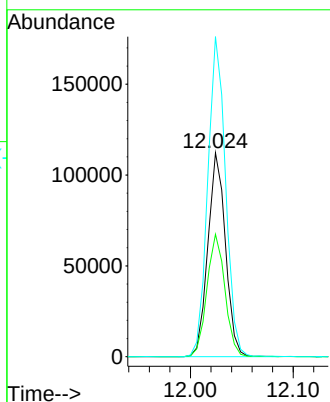
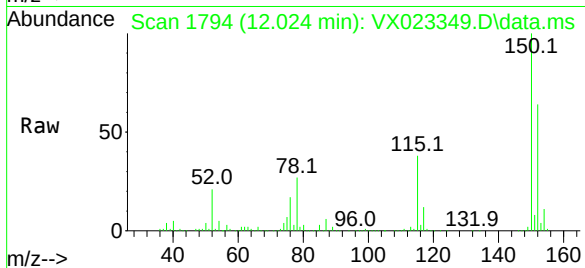




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

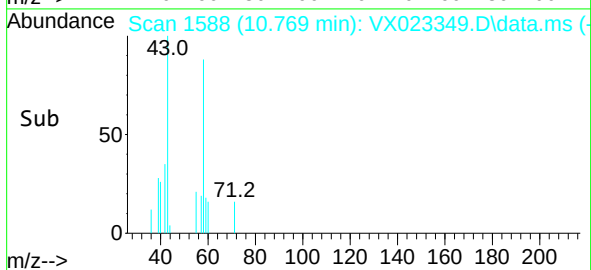
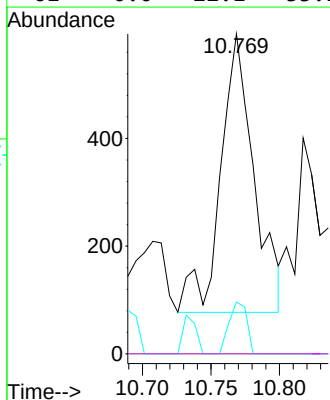
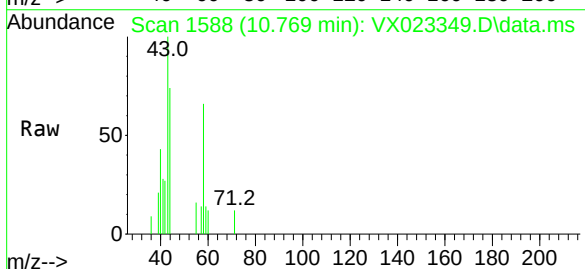
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

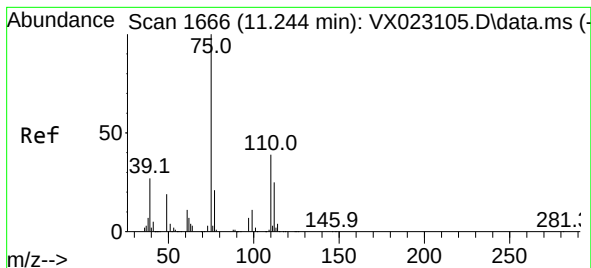
Tgt Ion:152 Resp: 133920
Ion Ratio Lower Upper
152 100
115 61.5 41.1 123.3
150 158.7 0.0 349.0



#74
N-ethyl acetate
Concen: 0.220 ug/l
RT: 10.769 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 9.9 21.5 32.3#
61 0.0 22.1 33.1#

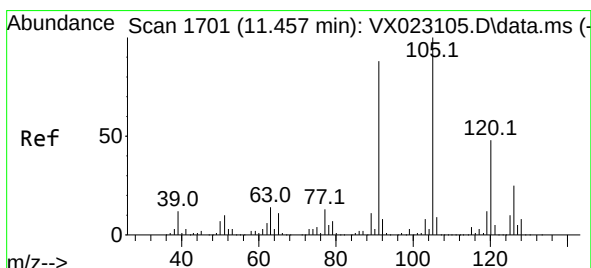
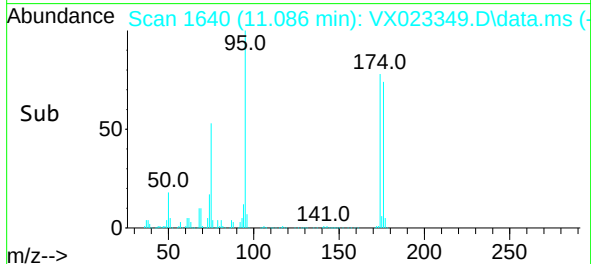
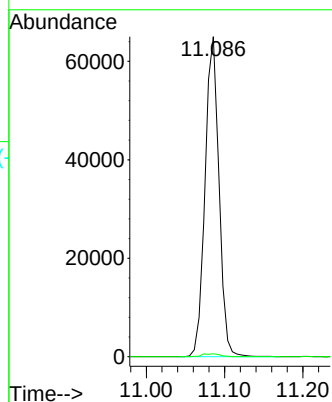
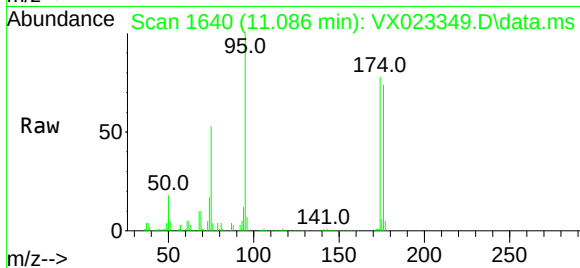




#76
1,2,3-Trichloropropane
Concen: 29.745 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

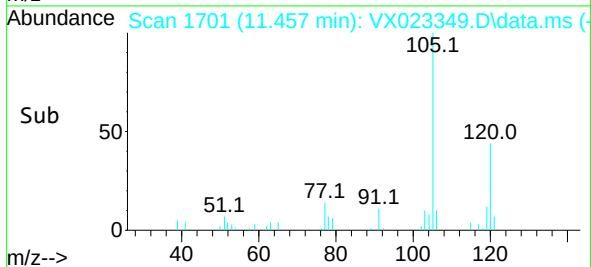
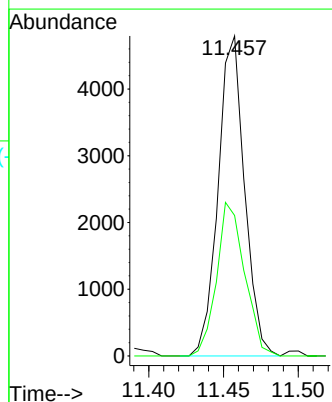
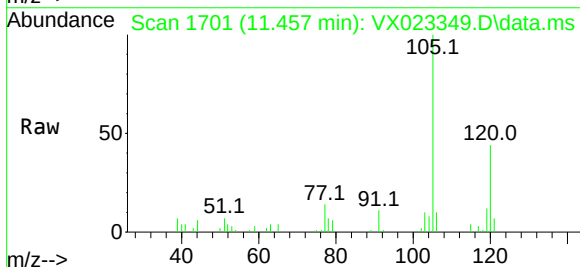
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

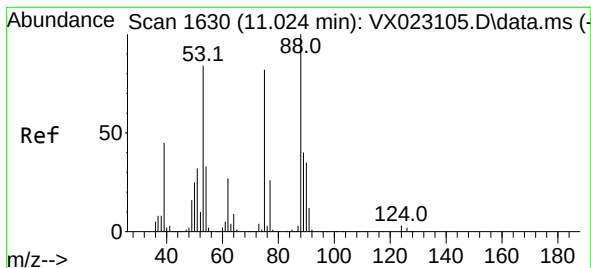
Tgt Ion: 75 Resp: 80160
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.726 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 105 Resp: 5895
Ion Ratio Lower Upper
105 100
120 50.9 23.8 71.5

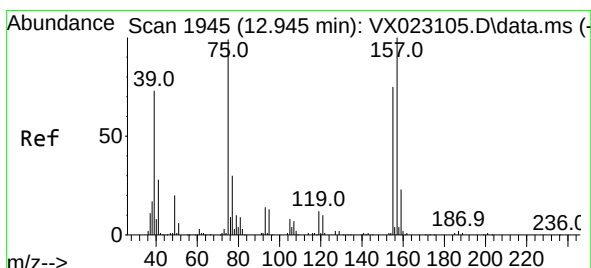
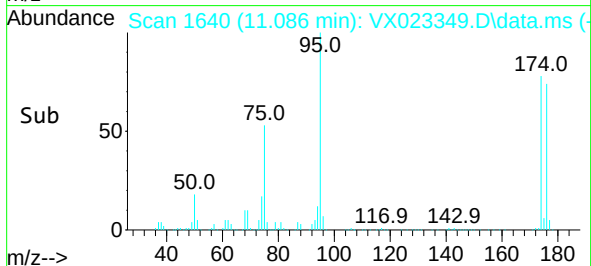
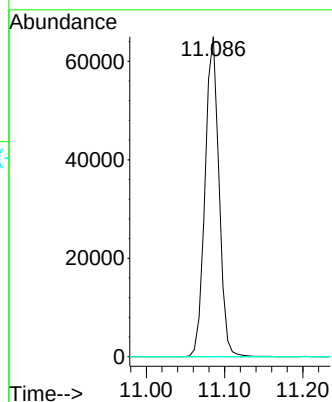
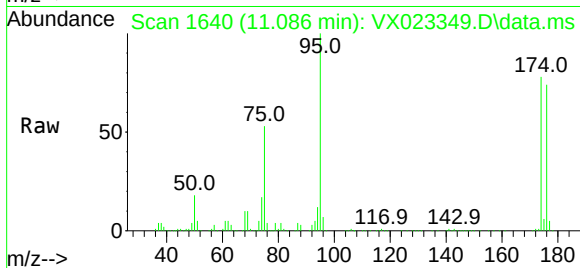




#81
trans-1,4-Dichloro-2-butene
Concen: 79.906 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

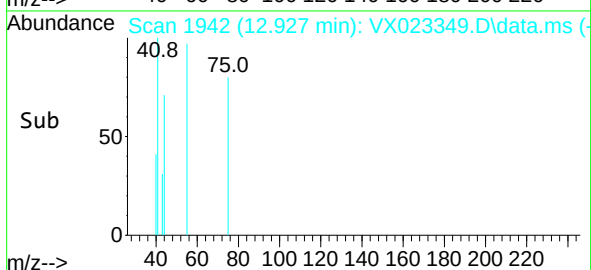
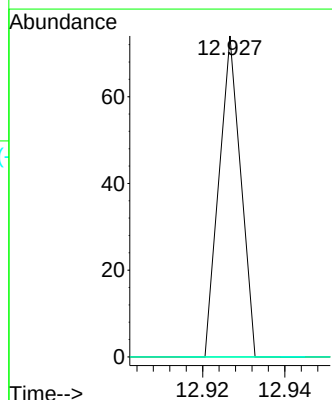
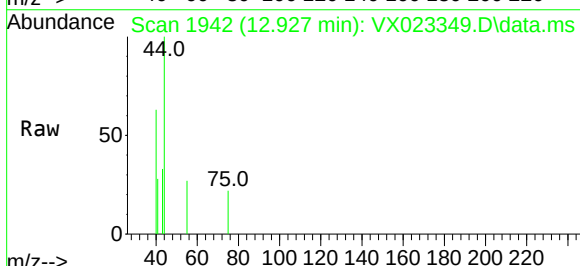
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

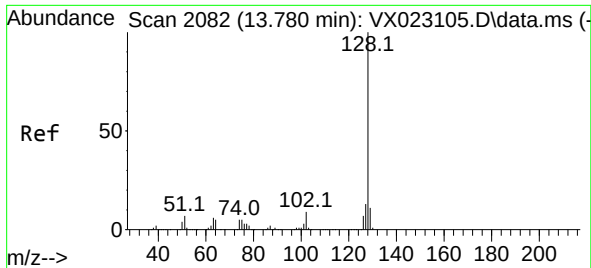
Tgt Ion: 75 Resp: 80160
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.605 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. -0.018 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 1.300 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023349.D
Acq: 19 Jul 2021 18:25

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#14

Tgt Ion:128 Resp: 253
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

