

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111023\
 Data File : VW032910.D
 Acq On : 10 Nov 2023 23:06
 Operator : SY/MD
 Sample : 05296-10 10X
 Misc : 5.69gm/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH3S4

Quant Time: Nov 11 01:31:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 08 01:37:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	377500	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	378146	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	207502	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	124115	34.567	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	69.140%		
7) Chloroethane-d5	1.519	69	120892	40.258	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.520%		
11) 1,1-Dichloroethene-d2	2.056	65	56353	37.998	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.000%		
21) 2-Butanone-d5	3.783	46	153647	98.656	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.660%		
24) Chloroform-d	4.249	84	253929	44.307	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.620%		
26) 1,2-Dichloroethane-d4	4.940	65	175405	49.244	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.480%		
32) Benzene-d6	4.960	84	517199	53.195	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.380%		
36) 1,2-Dichloropropane-d6	5.989	67	160887	54.467	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	108.940%		
41) Toluene-d8	7.246	98	448237	46.820	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.640%		
43) trans-1,3-Dichloroprop...	7.555	79	74665	48.535	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.060%		
47) 2-Hexanone-d5	8.024	63	120932	112.145	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.140%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	228561	50.991	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.980%		
66) 1,2-Dichlorobenzene-d4	11.561	152	207867	51.984	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.960%		
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	3.815	96	86055	28.914	ug/L	97
34) Trichloroethene	5.844	95	3774	1.352	ug/L	90
42) Toluene	7.317	91	442321	38.735	ug/L	99
46) Tetrachloroethene	7.908	164	14186	5.633	ug/L	91
51) Chlorobenzene	8.815	112	105104	13.001	ug/L	98
52) Ethylbenzene	8.947	91	780281	61.945	ug/L	99
53) m,p-Xylene	9.072	106	2360485	492.382	ug/L	100
54) o-Xylene	9.480	106	1095320	235.839	ug/L	97
60) Isopropylbenzene	9.873	105	9562	0.760	ug/L #	90
62) 1,3,5-Trimethylbenzene	10.480	105	10358	1.046	ug/L	93
63) 1,2,4-Trimethylbenzene	10.857	105	23668	2.499	ug/L	97
64) 1,3-Dichlorobenzene	11.120	146	58793	8.968	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	152608	22.062	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	113754	16.997	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	1656537	404.736	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	1340083	327.930	ug/L	99

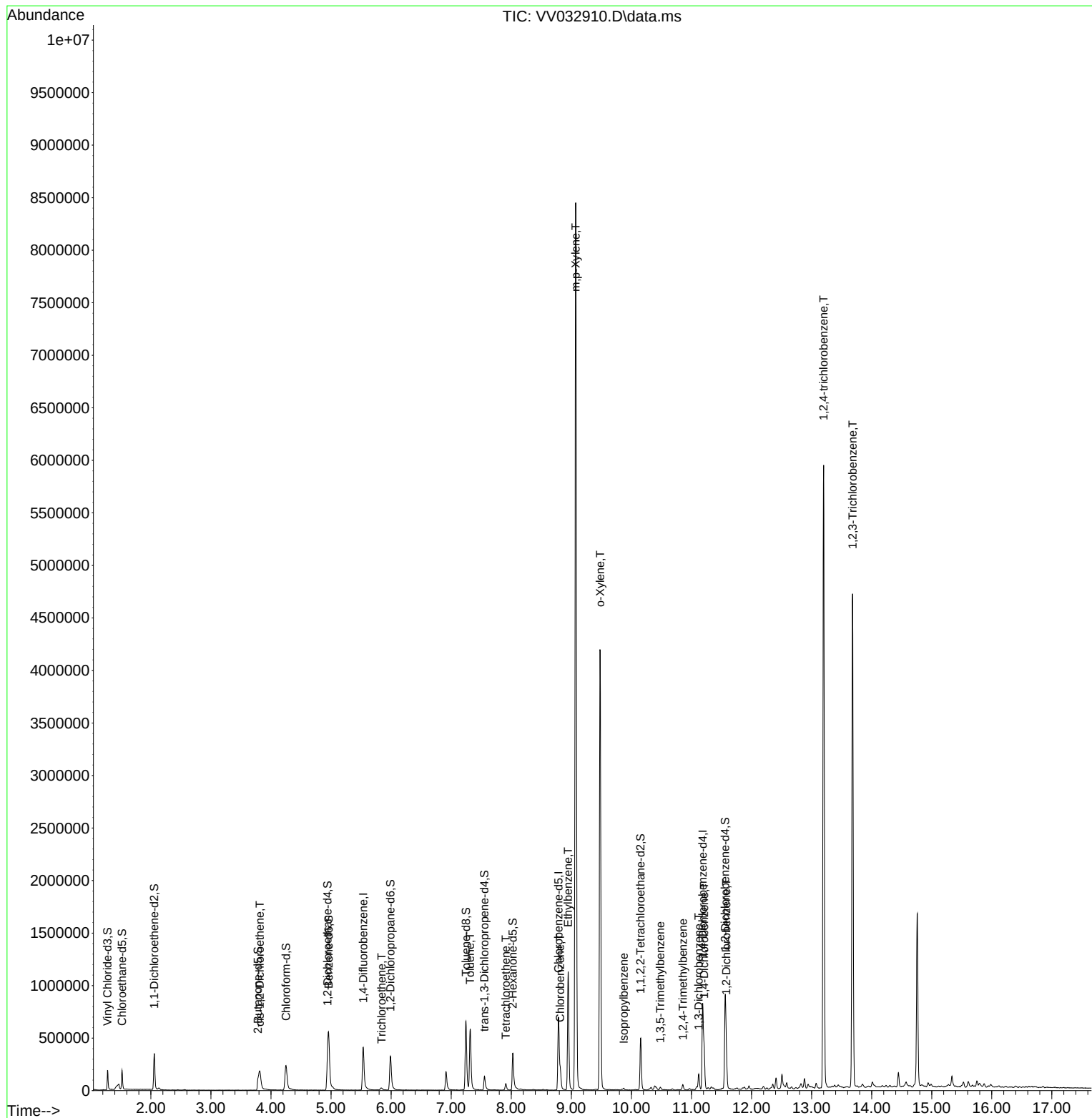
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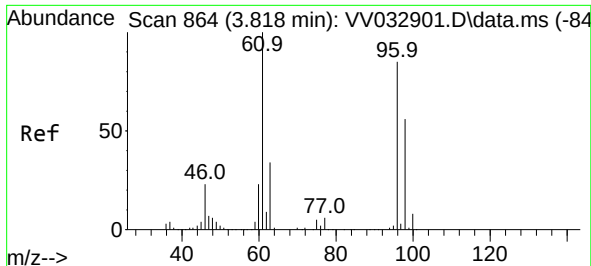
Instrument :
MSVOA_V
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BH3S4

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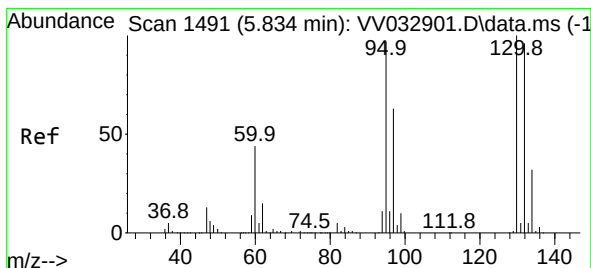
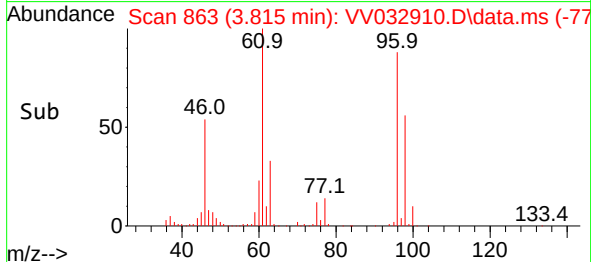
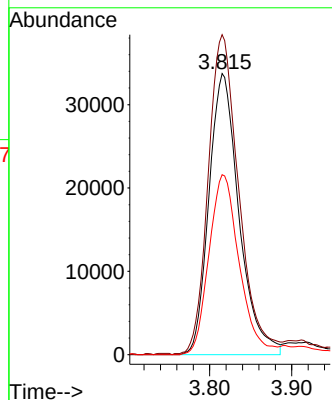
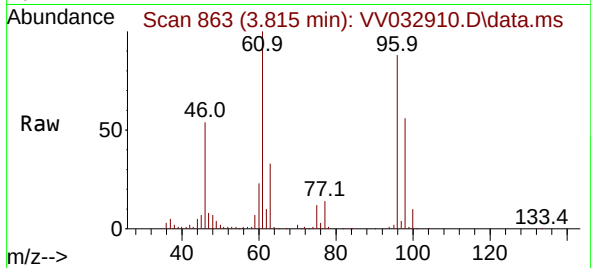




#20
 cis-1,2-Dichloroethene
 Concen: 28.914 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. -0.000 min
 Lab File: VV032910.D
 Acq: 10 Nov 2023 23:06

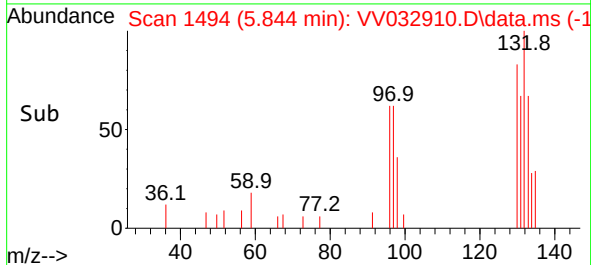
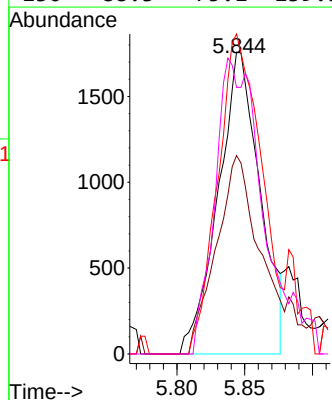
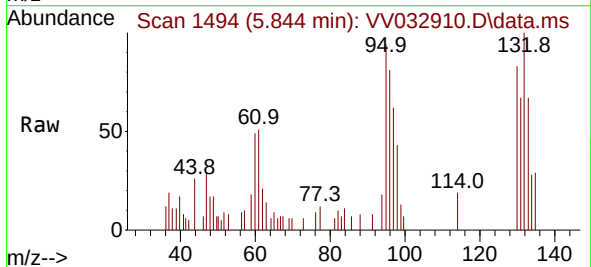
Instrument :
 MSVOA_V
 ClientSampleId :
 BH3S4

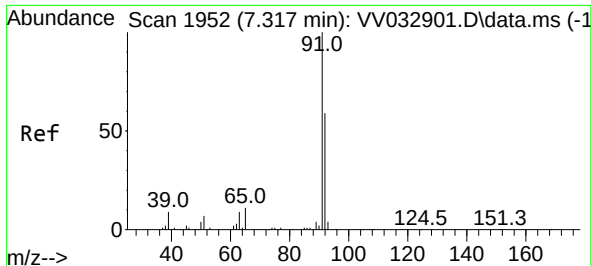
Tgt Ion: 96 Resp: 86055
 Ion Ratio Lower Upper
 96 100
 61 113.9 83.3 154.7
 98 64.0 44.2 82.2



#34
 Trichloroethene
 Concen: 1.352 ug/L
 RT: 5.844 min Scan# 1494
 Delta R.T. 0.010 min
 Lab File: VV032910.D
 Acq: 10 Nov 2023 23:06

Tgt Ion: 95 Resp: 3774
 Ion Ratio Lower Upper
 95 100
 97 65.8 46.3 85.9
 132 106.0 69.0 128.2
 130 88.3 75.1 139.5

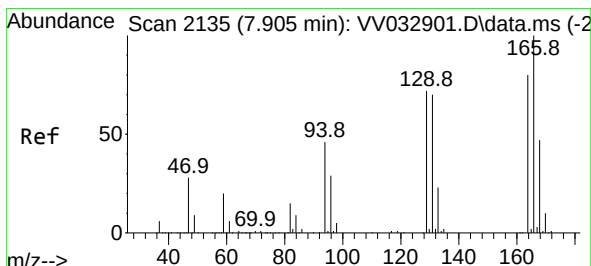
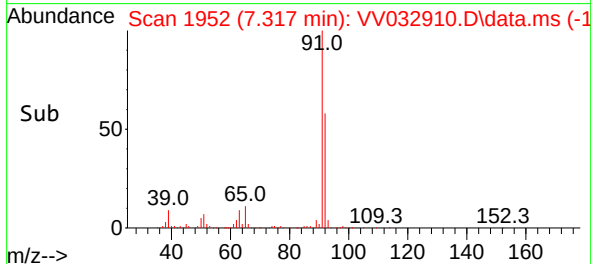
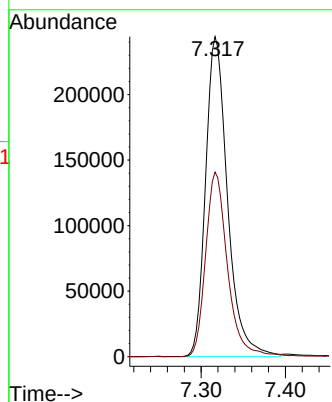
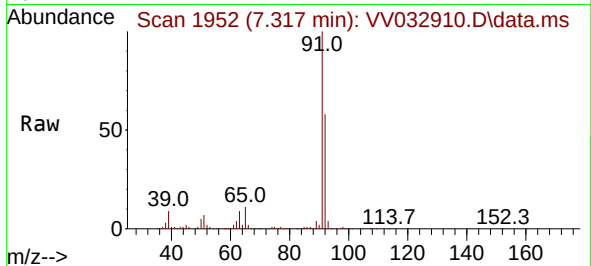




#42
Toluene
Concen: 38.735 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VV032910.D
Acq: 10 Nov 2023 23:06

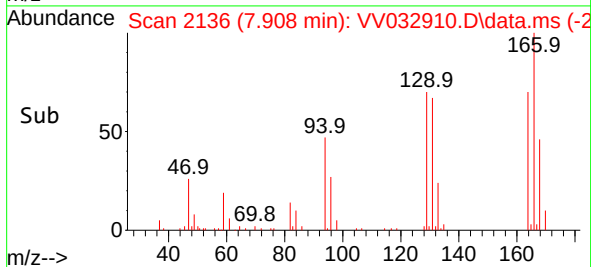
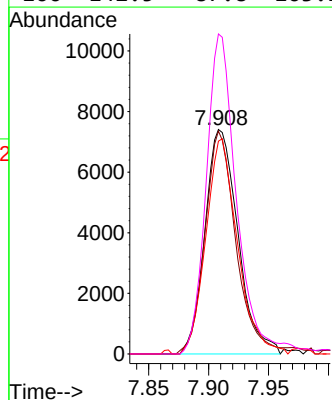
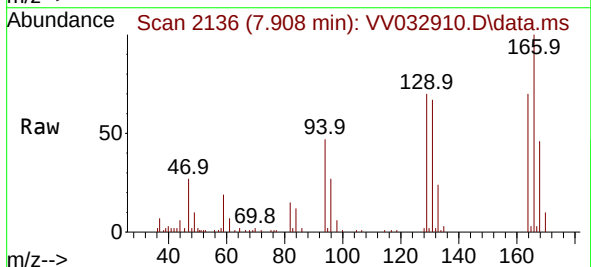
Instrument :
MSVOA_V
ClientSampleId :
BH3S4

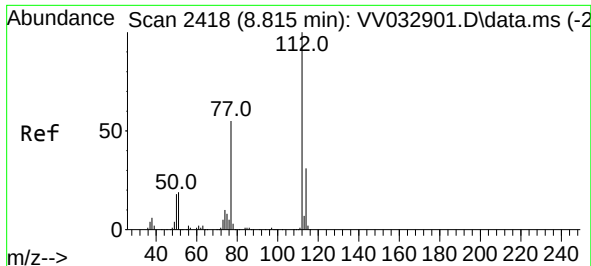
Tgt Ion: 91 Resp: 442321
Ion Ratio Lower Upper
91 100
92 57.7 40.0 74.2



#46
Tetrachloroethene
Concen: 5.633 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032910.D
Acq: 10 Nov 2023 23:06

Tgt Ion: 164 Resp: 14186
Ion Ratio Lower Upper
164 100
129 102.1 65.3 121.3
131 94.8 65.0 120.8
166 142.5 87.8 163.2

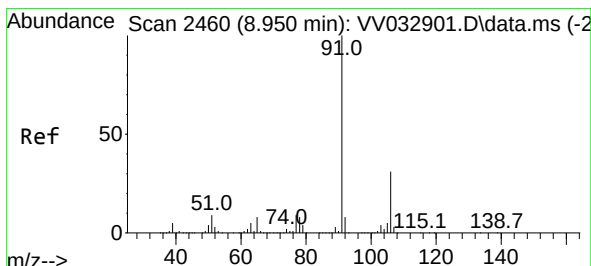
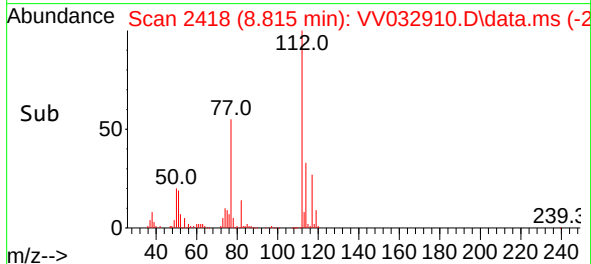
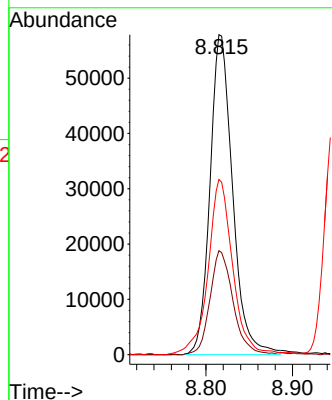
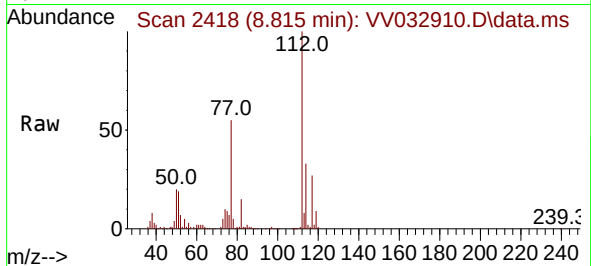




#51
Chlorobenzene
Concen: 13.001 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. -0.000 min
Lab File: VV032910.D
Acq: 10 Nov 2023 23:06

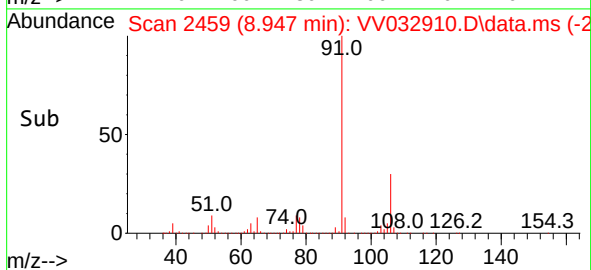
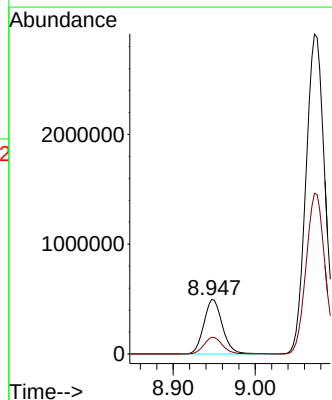
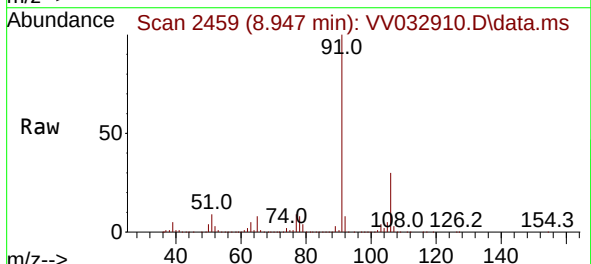
Instrument :
MSVOA_V
ClientSampleId :
BH3S4

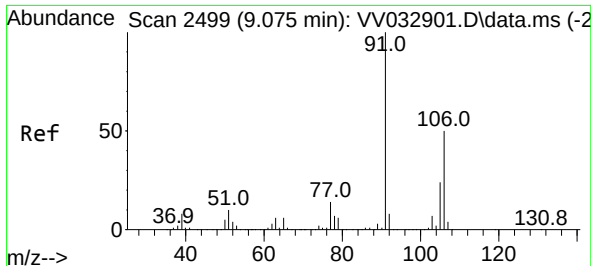
Tgt Ion:112 Resp: 105104
Ion Ratio Lower Upper
112 100
114 32.5 21.6 40.2
77 54.7 44.4 66.6



#52
Ethylbenzene
Concen: 61.945 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV032910.D
Acq: 10 Nov 2023 23:06

Tgt Ion: 91 Resp: 780281
Ion Ratio Lower Upper
91 100
106 30.5 21.7 40.3

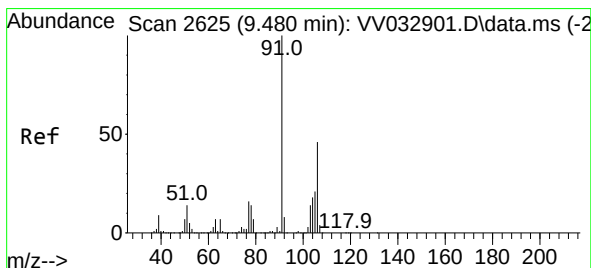
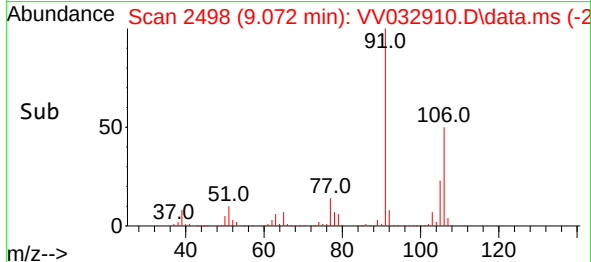
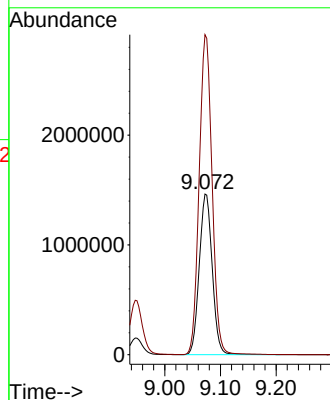
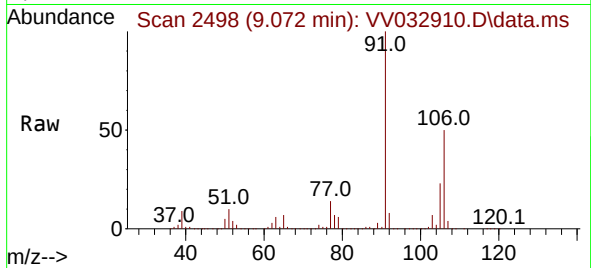




#53
m,p-Xylene
Concen: 492.382 ug/L
RT: 9.072 min Scan# 2499
Delta R.T. -0.003 min
Lab File: VV032910.D
Acq: 10 Nov 2023 23:06

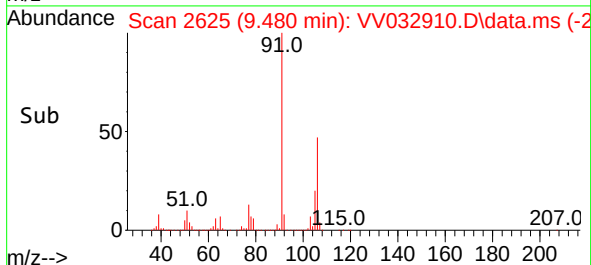
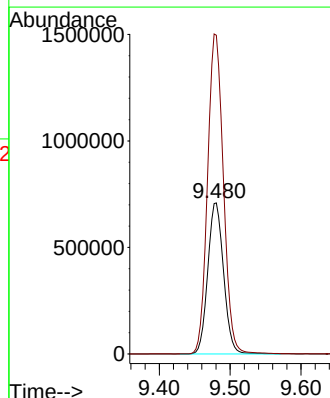
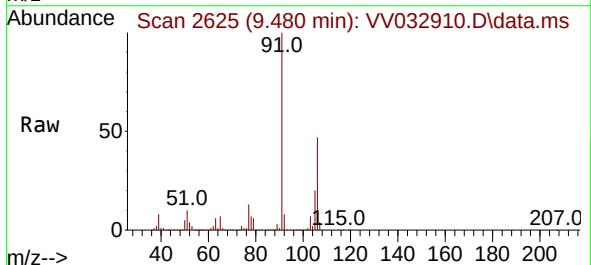
Instrument :
MSVOA_V
ClientSampleId :
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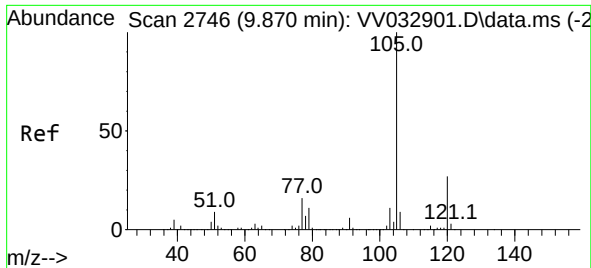
Tgt Ion:106 Resp: 2360485
Ion Ratio Lower Upper
106 100
91 199.3 139.7 259.5



#54
o-Xylene
Concen: 235.839 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032910.D
Acq: 10 Nov 2023 23:06

Tgt Ion:106 Resp: 1095320
Ion Ratio Lower Upper
106 100
91 211.1 151.0 280.4

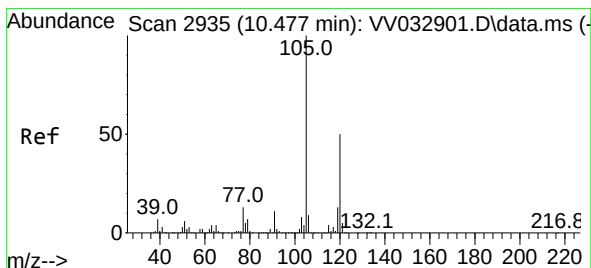
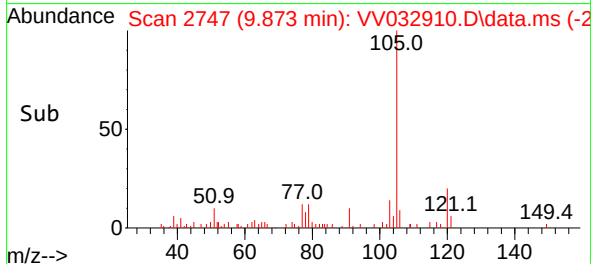
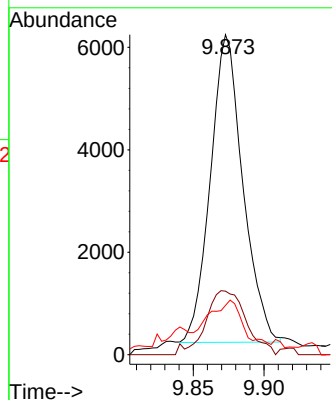
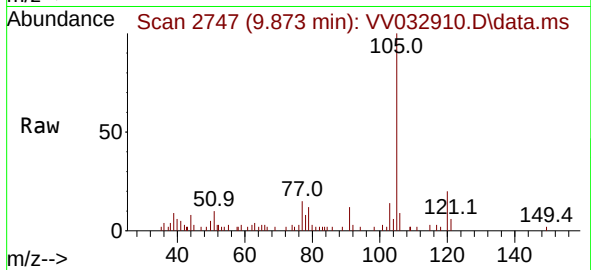




#60
Isopropylbenzene
Concen: 0.760 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032910.D
Acq: 10 Nov 2023 23:06

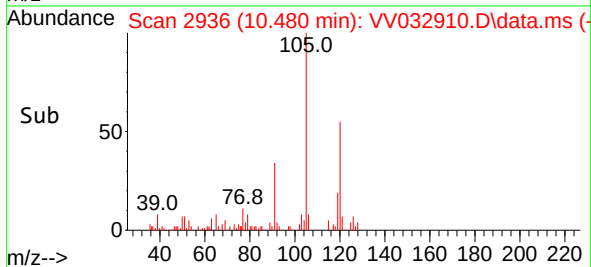
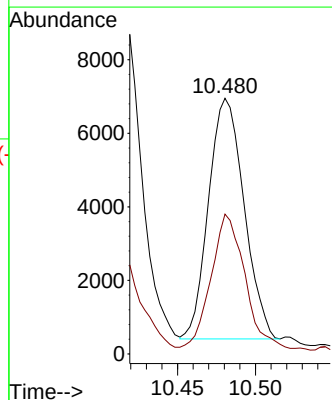
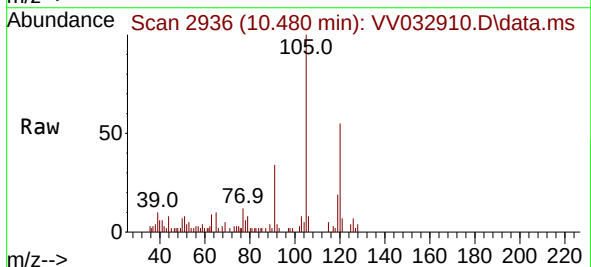
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ClientSampleId :
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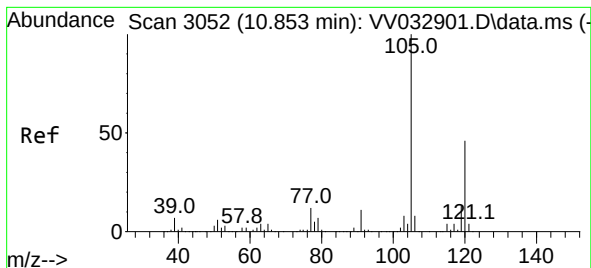
Tgt Ion:105 Resp: 9562
Ion Ratio Lower Upper
105 100
120 25.2 21.1 31.7
77 6.1 12.6 19.0#



#62
1,3,5-Trimethylbenzene
Concen: 1.046 ug/L
RT: 10.480 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VV032910.D
Acq: 10 Nov 2023 23:06

Tgt Ion:105 Resp: 10358
Ion Ratio Lower Upper
105 100
120 54.6 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 2.499 ug/L

RT: 10.857 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV032910.D

Acq: 10 Nov 2023 23:06

Instrument :

MSVOA_V

ClientSampleId :

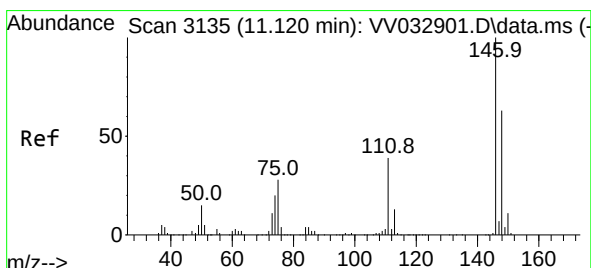
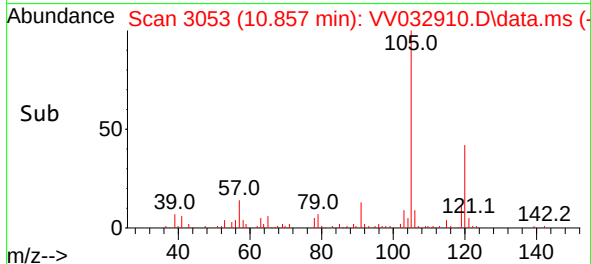
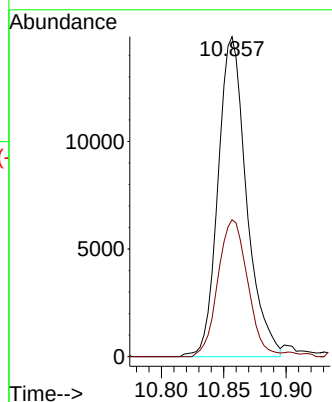
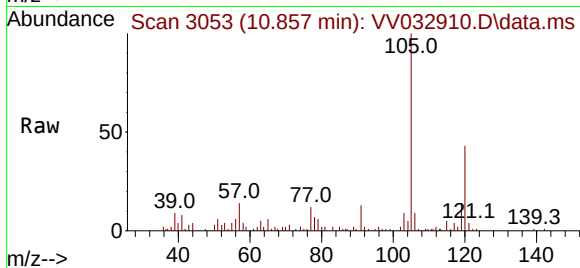
BH3S4

Tgt Ion:105 Resp: 23668

Ion Ratio Lower Upper

105 100

120 44.6 37.0 55.6



#64

1,3-Dichlorobenzene

Concen: 8.968 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. -0.000 min

Lab File: VV032910.D

Acq: 10 Nov 2023 23:06

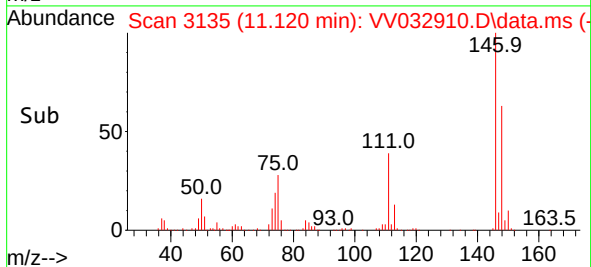
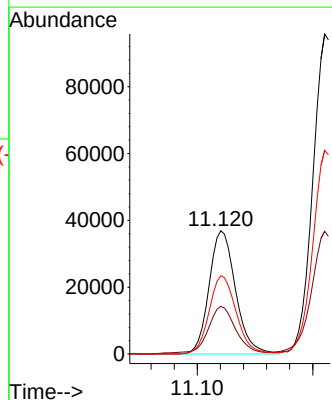
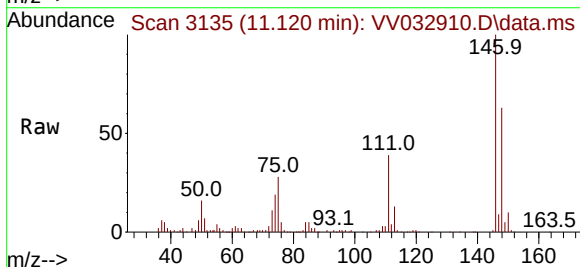
Tgt Ion:146 Resp: 58793

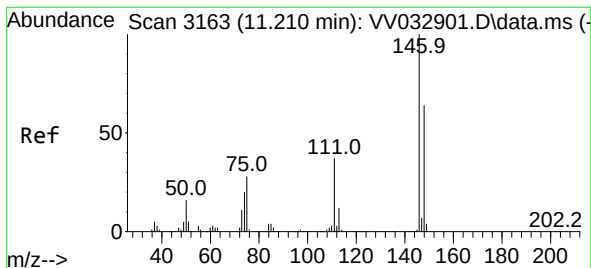
Ion Ratio Lower Upper

146 100

111 38.6 27.2 50.4

148 63.5 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 22.062 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VV032910.D

Acq: 10 Nov 2023 23:06

Instrument :

MSVOA_V

ClientSampleId :

BH3S4

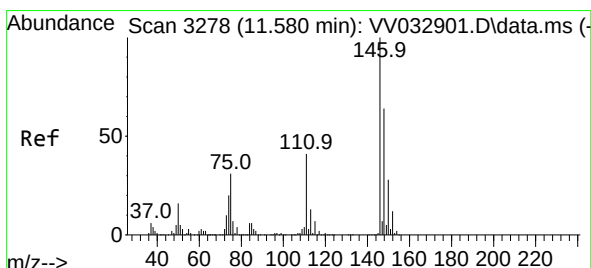
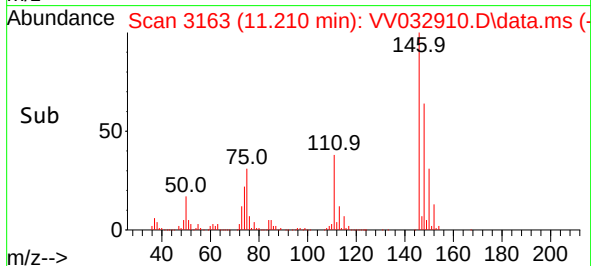
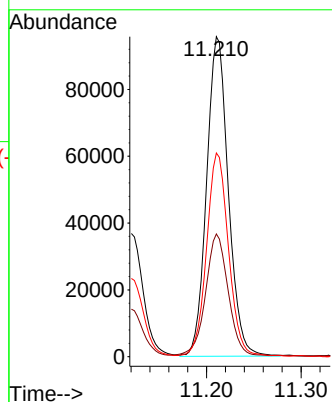
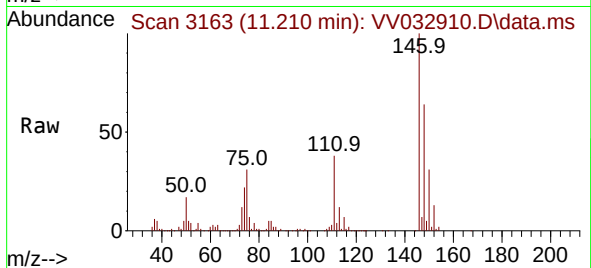
Tgt Ion:146 Resp: 152608

Ion Ratio Lower Upper

146 100

111 38.3 26.5 49.1

148 63.7 44.9 83.5



#67

1,2-Dichlorobenzene

Concen: 16.997 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VV032910.D

Acq: 10 Nov 2023 23:06

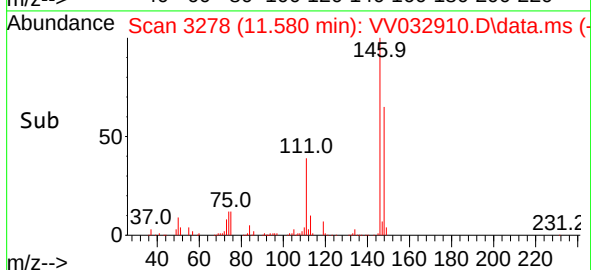
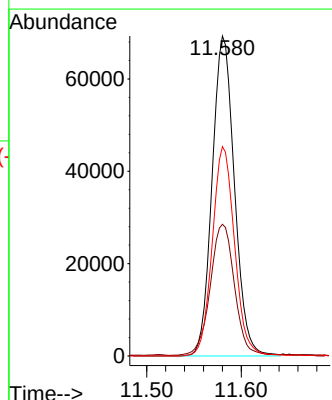
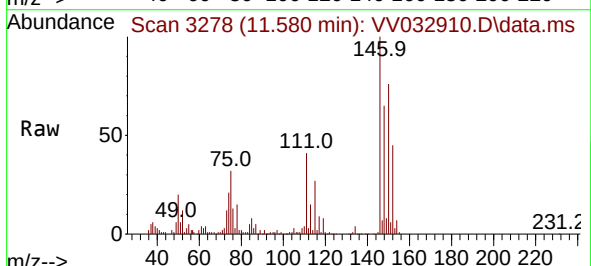
Tgt Ion:146 Resp: 113754

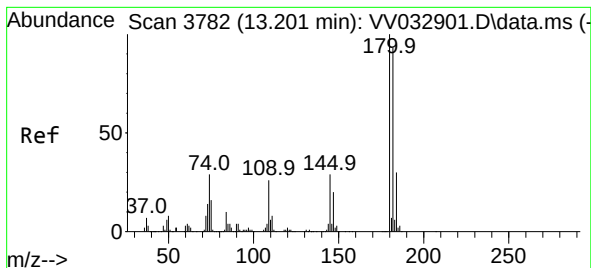
Ion Ratio Lower Upper

146 100

111 41.2 32.5 48.7

148 65.4 50.6 76.0





#70

1,2,4-trichlorobenzene

Concen: 404.736 ug/L

RT: 13.201 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032910.D

Acq: 10 Nov 2023 23:06

Instrument :

MSVOA_V

ClientSampleId :

BH3S4

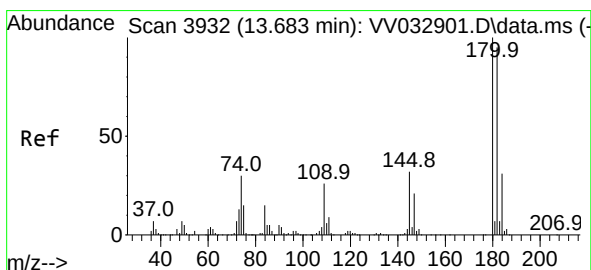
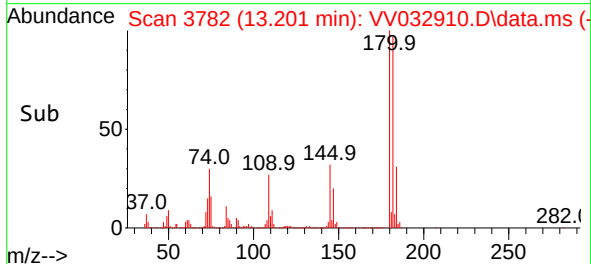
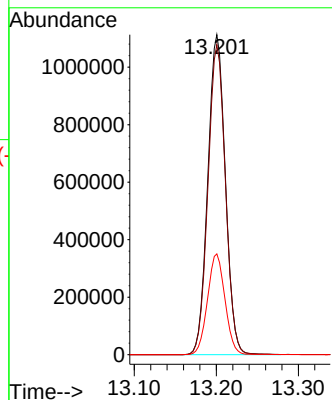
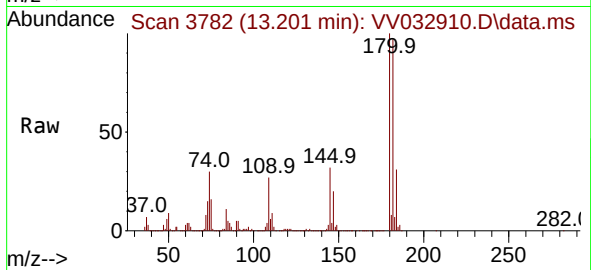
Tgt Ion:180 Resp: 1656537

Ion Ratio Lower Upper

180 100

182 96.3 76.9 115.3

145 31.2 24.7 37.1



#72

1,2,3-Trichlorobenzene

Concen: 327.930 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032910.D

Acq: 10 Nov 2023 23:06

Tgt Ion:180 Resp: 1340083

Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.4

145 33.0 25.8 38.8

