

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111023\
 Data File : VV032907.D
 Acq On : 10 Nov 2023 21:56
 Operator : SY/MD
 Sample : 05296-02 10X
 Misc : 6.12gm/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH3R2

Quant Time: Nov 11 01:30:26 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	380639	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	389628	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	197774	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	126167	34.849	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.700%
7) Chloroethane-d5	1.523	69	121539	40.140	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.280%
11) 1,1-Dichloroethene-d2	2.056	65	59704	39.926	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.860%
21) 2-Butanone-d5	3.786	46	133228	84.840	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.840%
24) Chloroform-d	4.249	84	252092	43.624	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.240%
26) 1,2-Dichloroethane-d4	4.941	65	162003	45.107	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.220%
32) Benzene-d6	4.960	84	506422	50.552	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.100%
36) 1,2-Dichloropropane-d6	5.989	67	153209	50.340	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.680%
41) Toluene-d8	7.246	98	442071	44.816	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.640%
43) trans-1,3-Dichloroprop...	7.555	79	72671	45.847	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.700%
47) 2-Hexanone-d5	8.027	63	100591	90.533	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.530%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	213853	46.304	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	197195	51.740	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.480%

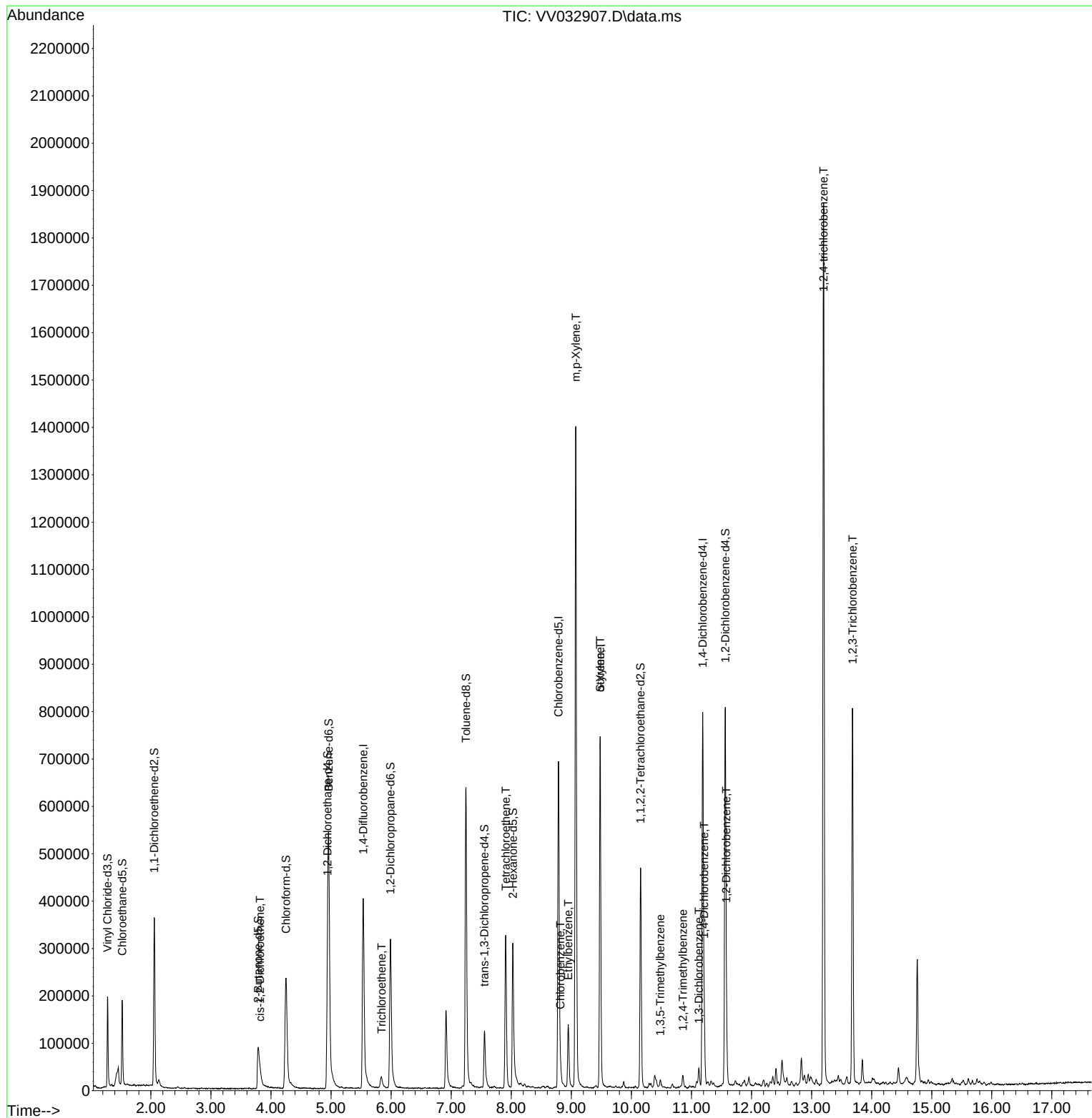
Target Compounds					Qvalue	
20) cis-1,2-Dichloroethene	3.818	96	9565	3.187	ug/L	93
34) Trichloroethene	5.844	95	5219	1.815	ug/L	93
46) Tetrachloroethene	7.908	164	74663	28.772	ug/L	99
51) Chlorobenzene	8.818	112	22103	2.654	ug/L	98
52) Ethylbenzene	8.950	91	94029	7.245	ug/L	99
53) m,p-Xylene	9.075	106	391588	79.276	ug/L	99
54) o-Xylene	9.481	106	193803	40.499	ug/L	96
55) Styrene	9.481	104	11995	1.438	ug/L	# 1
62) 1,3,5-Trimethylbenzene	10.481	105	6683	0.708	ug/L	96
63) 1,2,4-Trimethylbenzene	10.857	105	11569	1.281	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	16148	2.584	ug/L	95
65) 1,4-Dichlorobenzene	11.210	146	64460	9.777	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	42265	6.626	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	540605	138.581	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	230730	59.239	ug/L	98

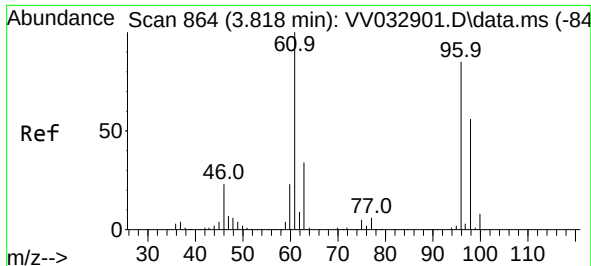
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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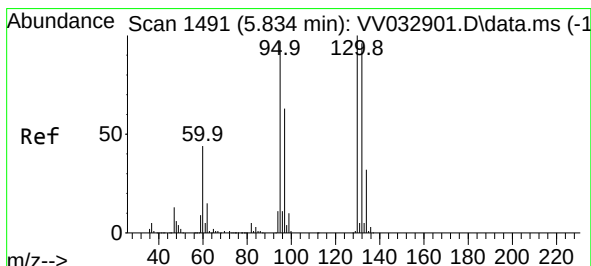
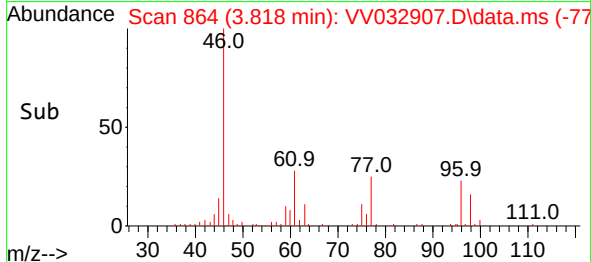
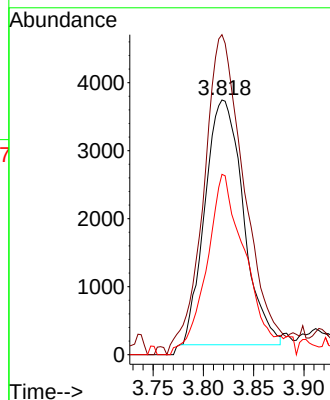
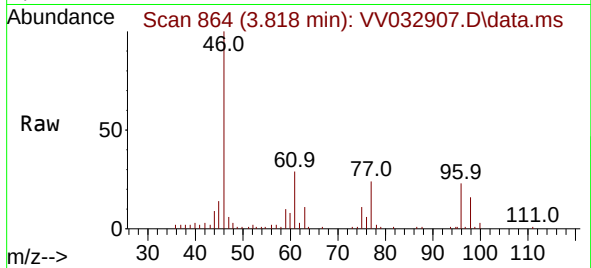




#20
cis-1,2-Dichloroethene
Concen: 3.187 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

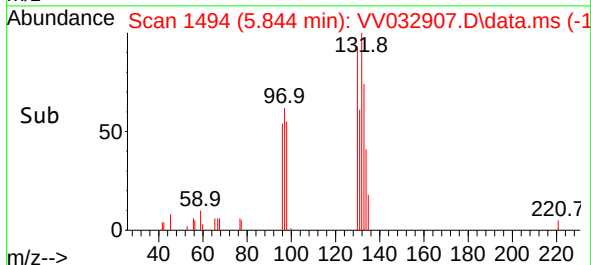
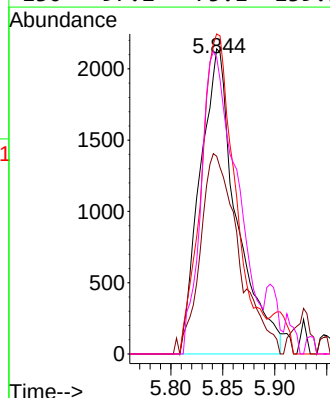
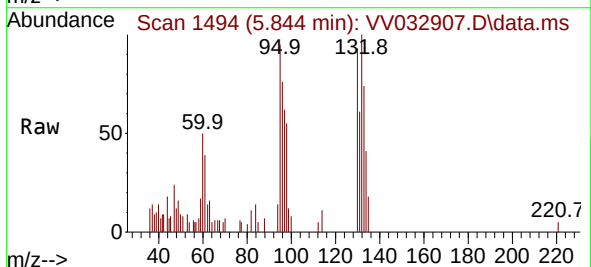
Instrument :
MSVOA_V
ClientSampleId :
BH3R2

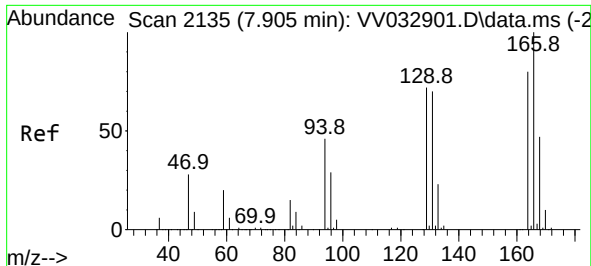
Tgt Ion: 96 Resp: 9565
Ion Ratio Lower Upper
96 100
61 125.7 83.3 154.7
98 70.8 44.2 82.2



#34
Trichloroethene
Concen: 1.815 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.010 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

Tgt Ion: 95 Resp: 5219
Ion Ratio Lower Upper
95 100
97 64.8 46.3 85.9
132 104.9 69.0 128.2
130 97.2 75.1 139.5

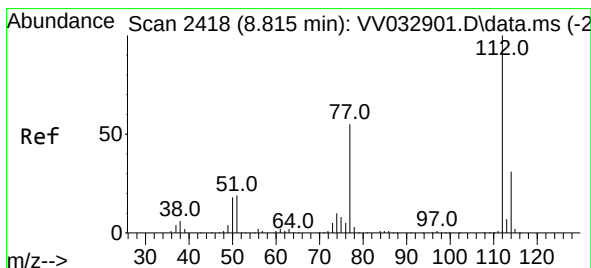
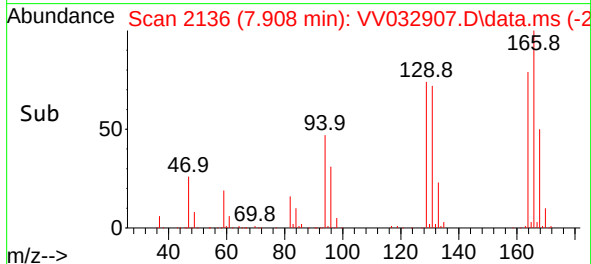
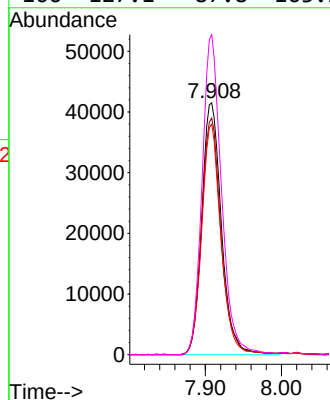
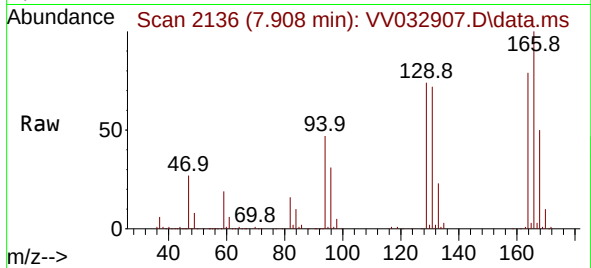




#46
Tetrachloroethene
Concen: 28.772 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

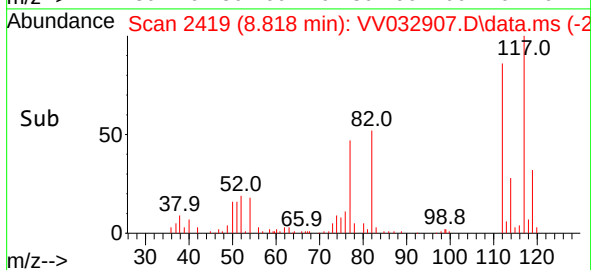
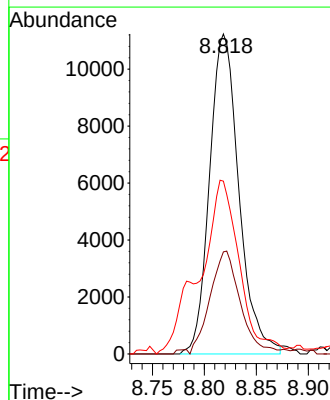
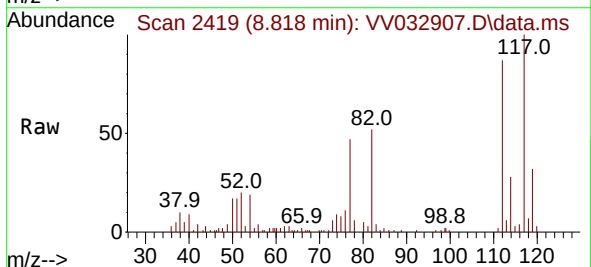
Instrument :
MSVOA_V
ClientSampleId :
BH3R2

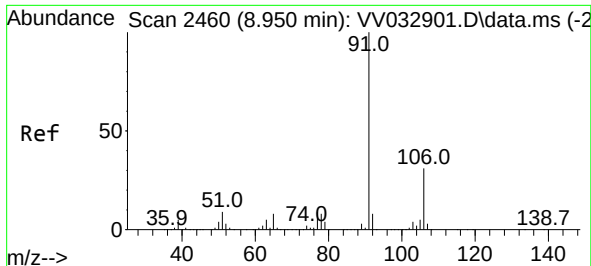
Tgt Ion:164 Resp: 74663
Ion Ratio Lower Upper
164 100
129 94.0 65.3 121.3
131 91.6 65.0 120.8
166 127.1 87.8 163.2



#51
Chlorobenzene
Concen: 2.654 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

Tgt Ion:112 Resp: 22103
Ion Ratio Lower Upper
112 100
114 31.9 21.6 40.2
77 54.0 44.4 66.6

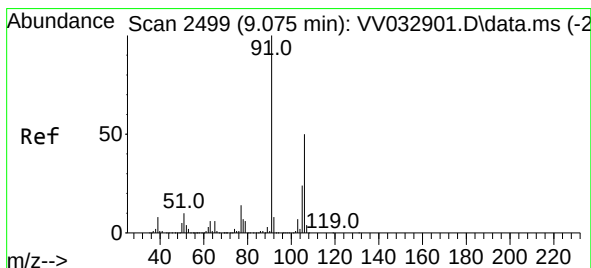
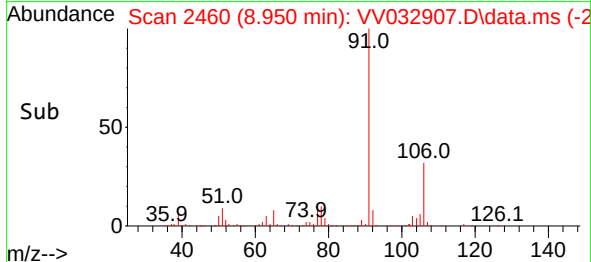
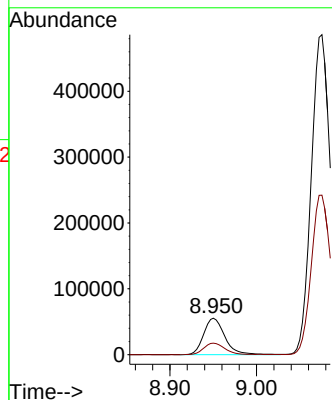
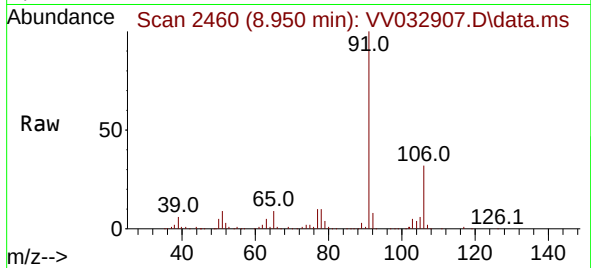




#52
Ethylbenzene
Concen: 7.245 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

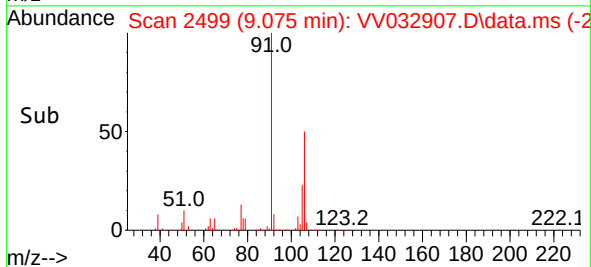
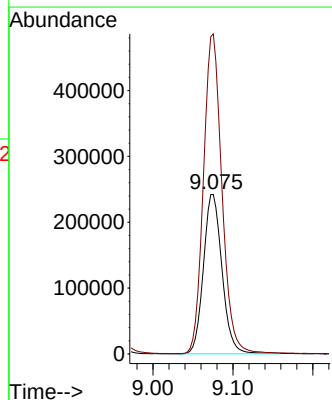
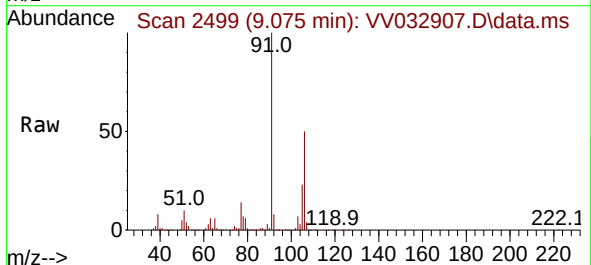
Instrument :
MSVOA_V
ClientSampleId :
BH3R2

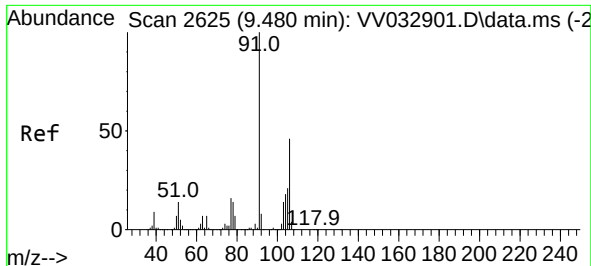
Tgt Ion: 91 Resp: 94029
Ion Ratio Lower Upper
91 100
106 31.5 21.7 40.3



#53
m,p-Xylene
Concen: 79.276 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

Tgt Ion: 106 Resp: 391588
Ion Ratio Lower Upper
106 100
91 200.5 139.7 259.5

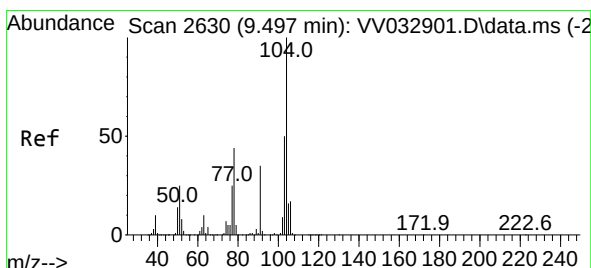
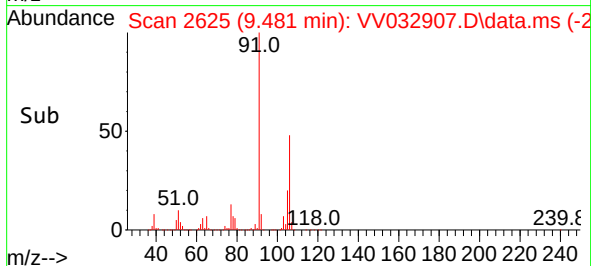
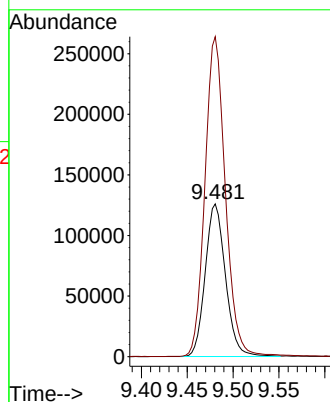
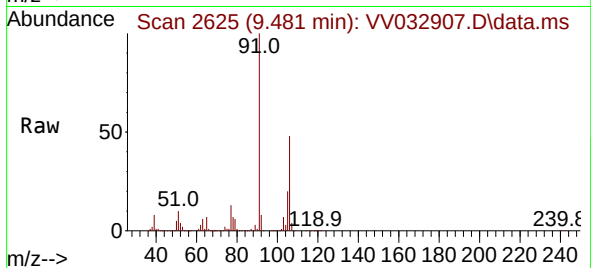




#54
o-Xylene
Concen: 40.499 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

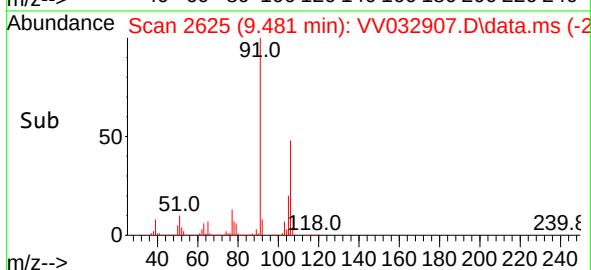
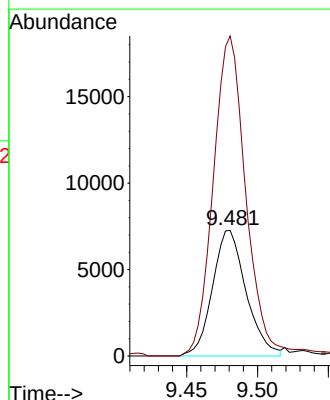
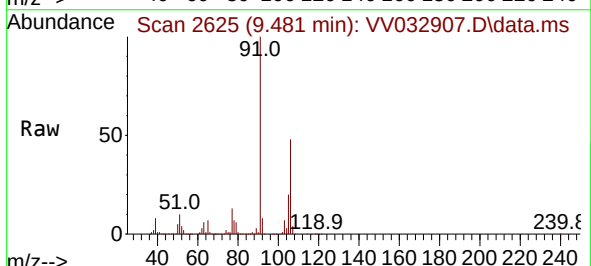
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ClientSampleId :
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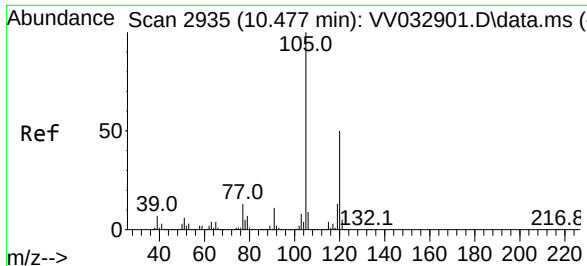
Tgt Ion:106 Resp: 193803
Ion Ratio Lower Upper
106 100
91 209.3 151.0 280.4



#55
Styrene
Concen: 1.438 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. -0.016 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

Tgt Ion:104 Resp: 11995
Ion Ratio Lower Upper
104 100
78 254.7 30.1 55.9#





#62

1,3,5-Trimethylbenzene

Concen: 0.708 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV032907.D

Acq: 10 Nov 2023 21:56

Instrument :

MSVOA_V

ClientSampleId :

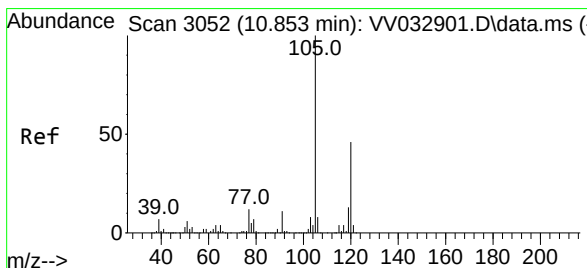
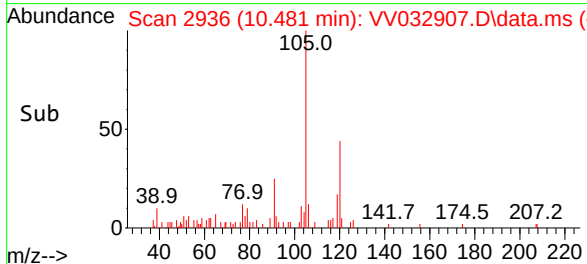
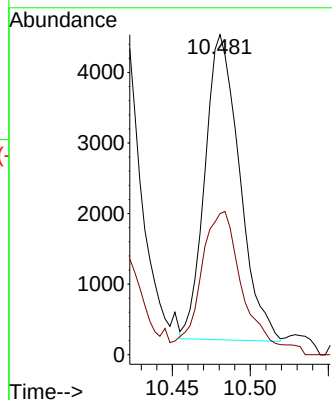
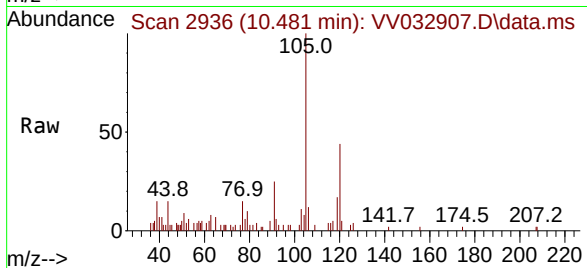
BH3R2

Tgt Ion:105 Resp: 6683

Ion Ratio Lower Upper

105 100

120 47.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 1.281 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032907.D

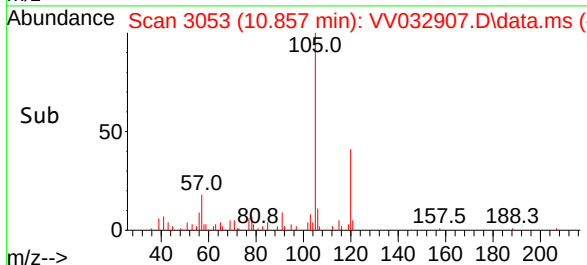
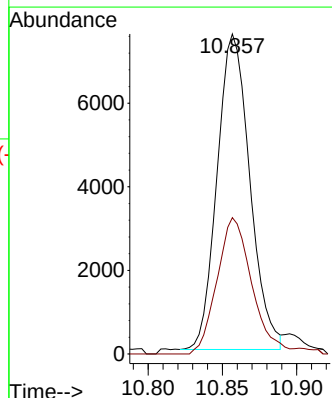
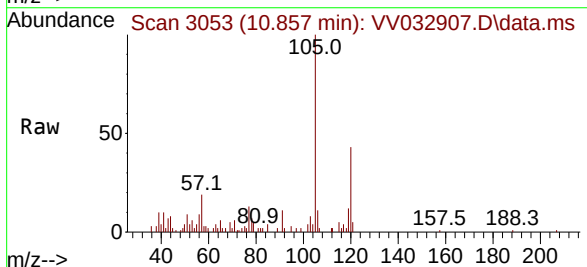
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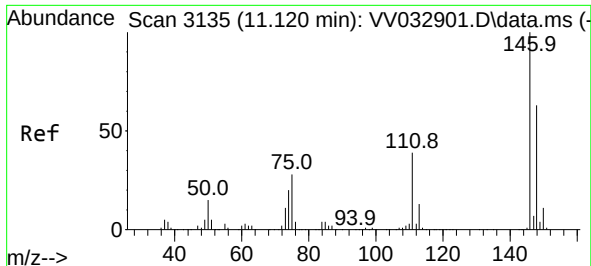
Tgt Ion:105 Resp: 11569

Ion Ratio Lower Upper

105 100

120 45.8 37.0 55.6

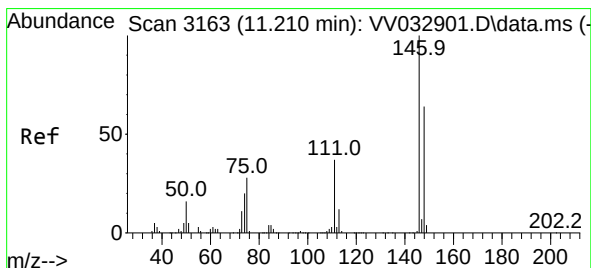
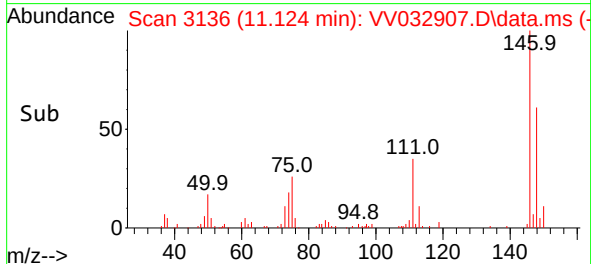
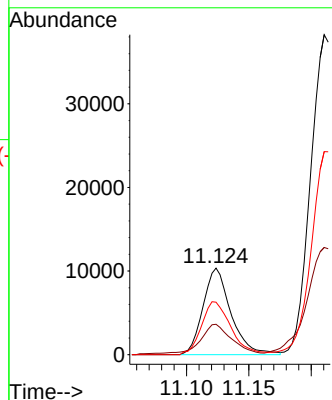
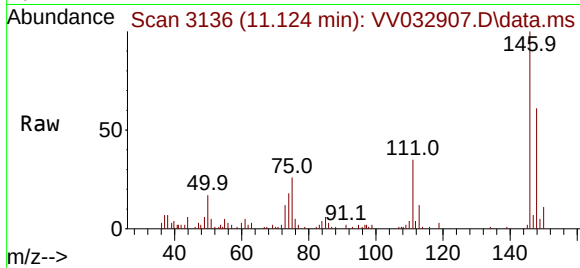




#64
1,3-Dichlorobenzene
Concen: 2.584 ug/L
RT: 11.124 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

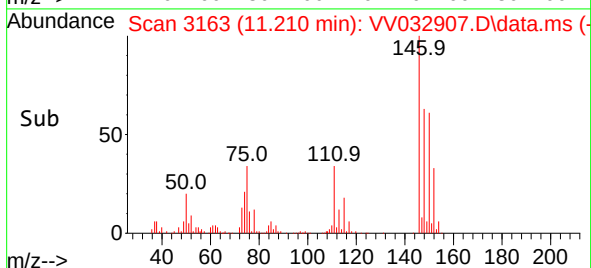
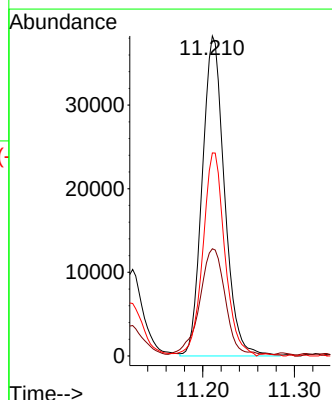
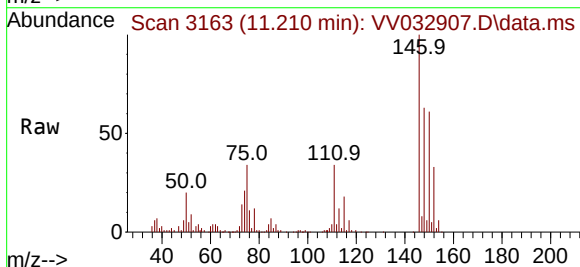
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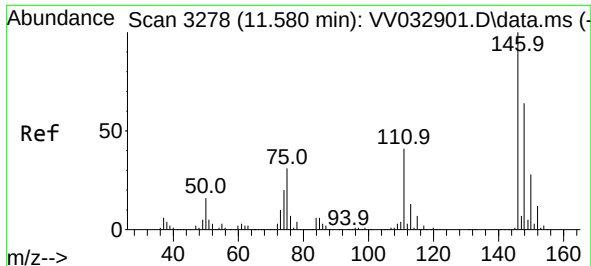
Tgt Ion:146 Resp: 16148
Ion Ratio Lower Upper
146 100
111 35.2 27.2 50.4
148 60.5 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 9.777 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032907.D
Acq: 10 Nov 2023 21:56

Tgt Ion:146 Resp: 64460
Ion Ratio Lower Upper
146 100
111 33.5 26.5 49.1
148 63.4 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 6.626 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032907.D

Acq: 10 Nov 2023 21:56

Instrument :

MSVOA_V

ClientSampleId :

BH3R2

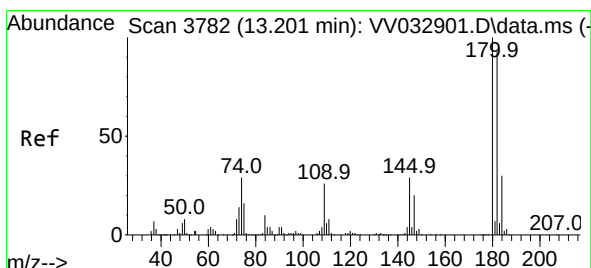
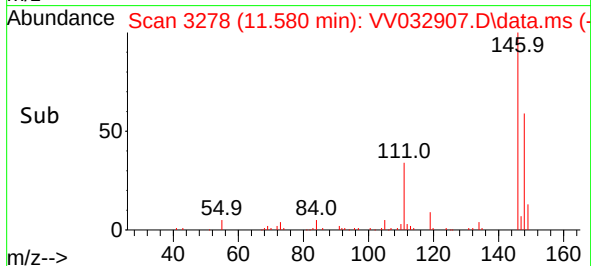
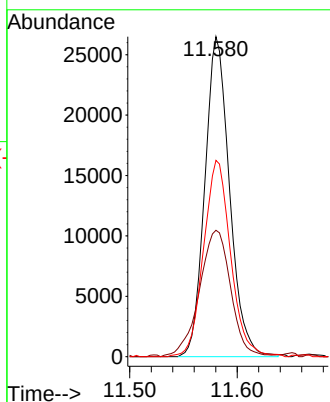
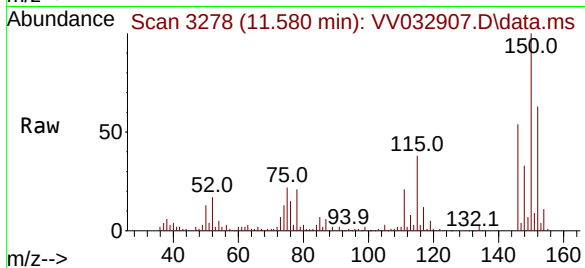
Tgt Ion:146 Resp: 42265

Ion Ratio Lower Upper

146 100

111 39.5 32.5 48.7

148 61.4 50.6 76.0



#70

1,2,4-trichlorobenzene

Concen: 138.581 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032907.D

Acq: 10 Nov 2023 21:56

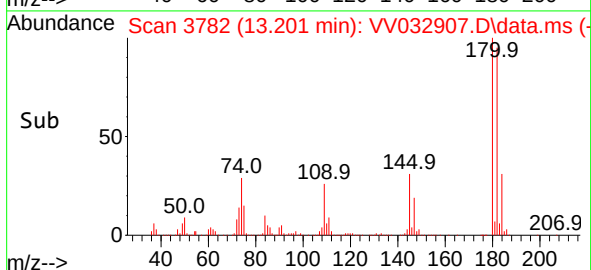
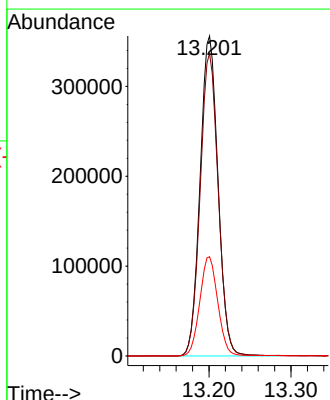
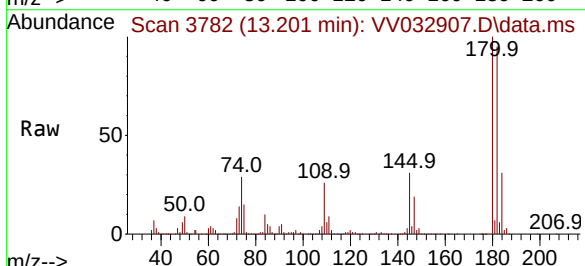
Tgt Ion:180 Resp: 540605

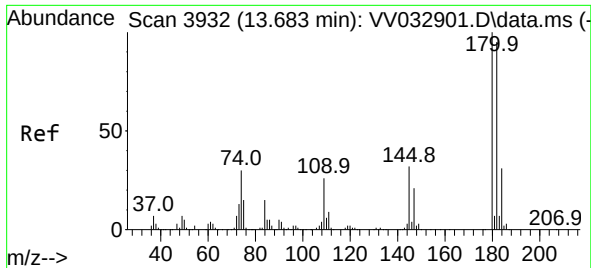
Ion Ratio Lower Upper

180 100

182 94.9 76.9 115.3

145 31.0 24.7 37.1





#72
 1,2,3-Trichlorobenzene
 Concen: 59.239 ug/L
 RT: 13.683 min Scan# 3932
 Delta R.T. 0.000 min
 Lab File: VV032907.D
 Acq: 10 Nov 2023 21:56

Instrument :
 MSVOA_V
 ClientSampleId :
 BH3R2

Tgt Ion:180 Resp: 230730
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.2 114.4
 145 32.9 25.8 38.8

