

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102122\
 Data File : VW028658.D
 Acq On : 21 Oct 2022 13:30
 Operator : SY/MD
 Sample : N5163-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BD717

Quant Time: Oct 21 23:01:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 21 22:58:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	198675	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	126431	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	55158	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.297	65	95817	4.871	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.400%
7) Chloroethane-d5	1.564	69	77128	4.988	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.800%
11) 1,1-Dichloroethene-d2	2.098	63	137342	4.018	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.400%
20) 2-Butanone-d5	3.947	46	233698	63.125	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.240%
24) Chloroform-d	4.333	84	155528	5.331	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.600%
26) 1,2-Dichloroethane-d4	5.024	65	83431	5.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.030	84	318053	5.782	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.600%
36) 1,2-Dichloropropane-d6	6.059	67	106011	6.146	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	123.000%
41) Toluene-d8	7.300	98	186463	4.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
43) trans-1,3-Dichloroprop...	7.616	79	16921	4.041	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.104	63	83587	48.077	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.160%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	42845	5.259	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	53115	5.357	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	13272	0.688	ug/L	98
6) Bromomethane	1.523	94	760	0.084	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.104	101	1218	0.089	ug/L #	42
12) 1,1-Dichloroethene	2.098	96	1095	0.085	ug/L #	1
22) cis-1,2-Dichloroethene	3.873	96	431	0.027	ug/L #	1
25) Chloroform	4.362	83	27222	0.880	ug/L	92
33) Benzene	5.079	78	4561	0.077	ug/L	100
35) Methylcyclohexane	6.059	83	26039	1.212	ug/L #	16
37) 1,2-Dichloropropane	6.059	63	13735	0.865	ug/L #	91
38) Bromodichloromethane	6.481	83	842	0.055	ug/L #	62
42) Toluene	7.374	91	48764	0.993	ug/L	96
47) Tetrachloroethene	7.960	164	507	0.069	ug/L	89
52) Ethylbenzene	9.001	91	6463	0.127	ug/L	98
53) m,p-Xylene	9.130	106	8656	0.467	ug/L	100
54) o-Xylene	9.535	106	3737	0.203	ug/L	80
60) Isopropylbenzene	10.445	105	3329	0.072	ug/L	92
61) 1,2,3-Trichloropropane	11.239	75	8743	1.463	ug/L #	69
62) 1,3,5-Trimethylbenzene	10.908	105	2842	0.215	ug/L	95
63) 1,2,4-Trimethylbenzene	10.908	105	2842	0.080	ug/L	91

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QLast Update : Fri Oct 21 22:58:36 2022
Response via : Initial Calibration

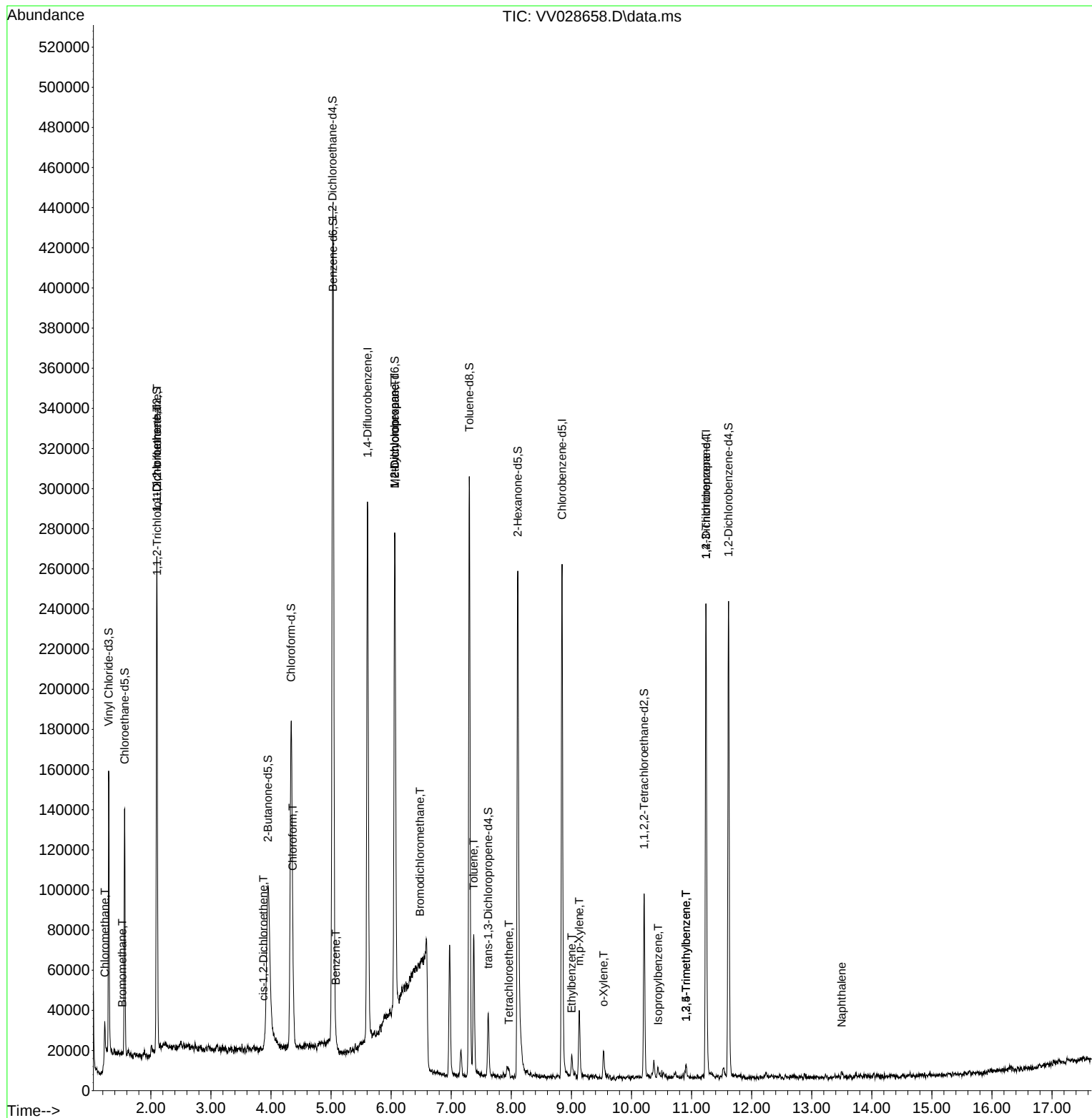
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.500	128	1739	0.100	ug/L	# 93

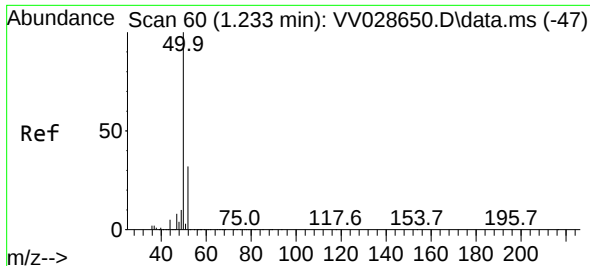
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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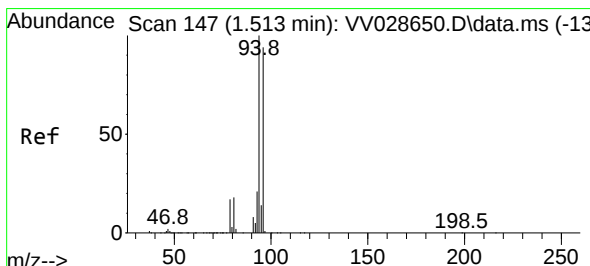
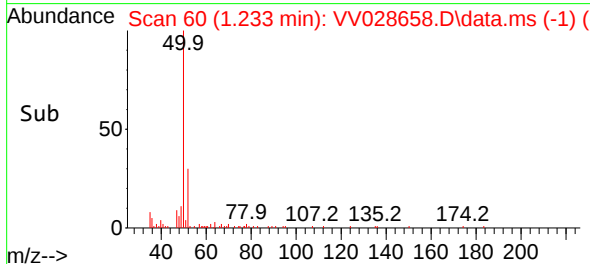
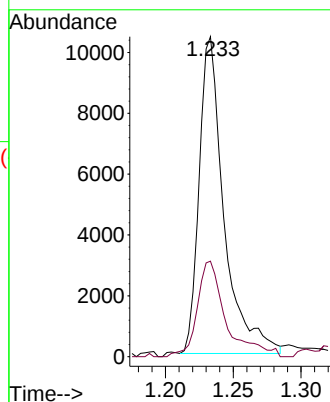
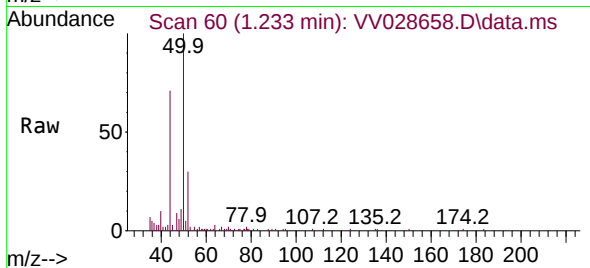




#3
Chloromethane
Concen: 0.688 ug/L
RT: 1.233 min Scan# 60
Delta R.T. -0.000 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

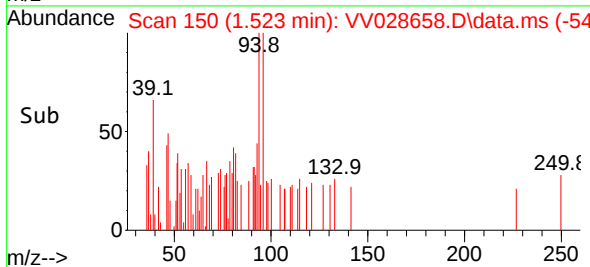
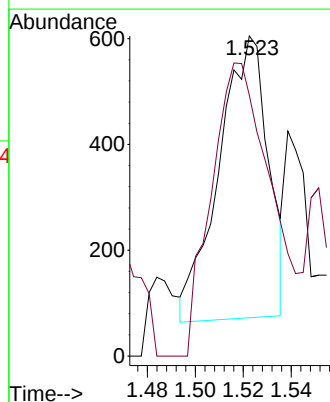
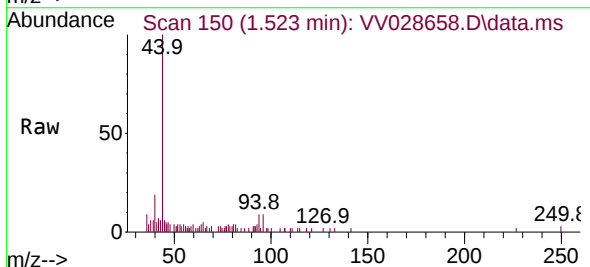
Instrument :
MSVOA_V
ClientSampleId :
BD717

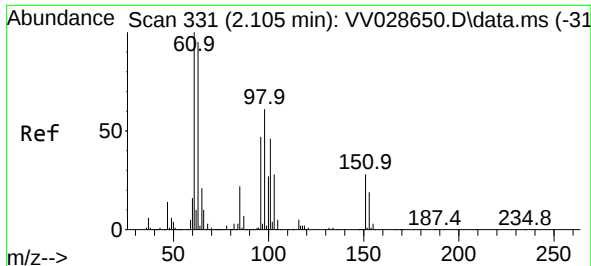
Tgt Ion: 50 Resp: 13272
Ion Ratio Lower Upper
50 100
52 29.9 21.8 40.6



#6
Bromomethane
Concen: 0.084 ug/L
RT: 1.523 min Scan# 150
Delta R.T. 0.010 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

Tgt Ion: 94 Resp: 760
Ion Ratio Lower Upper
94 100
96 81.5 64.3 119.3

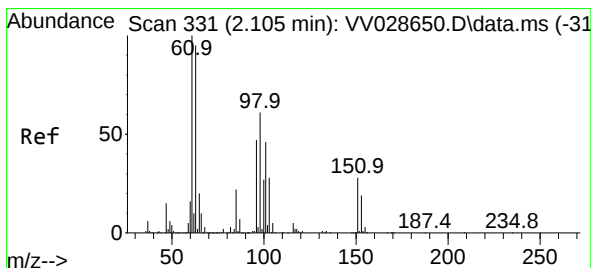
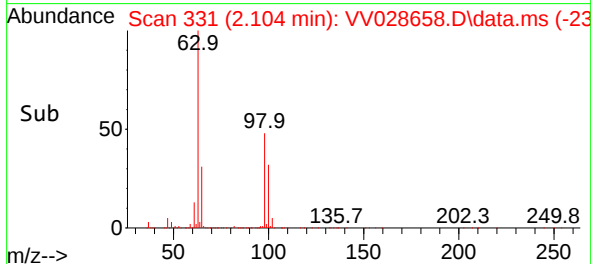
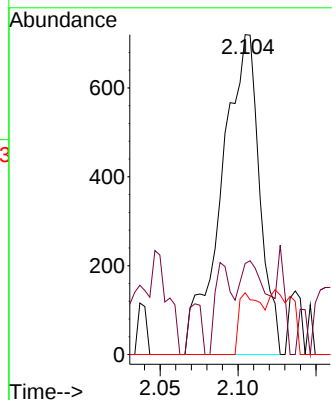
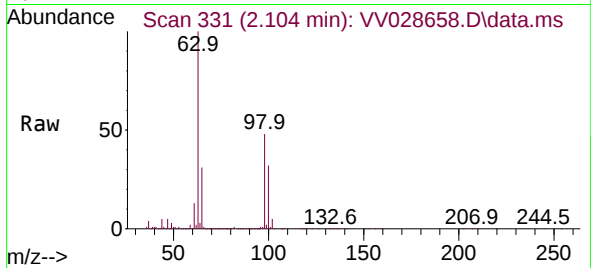




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.089 ug/L
 RT: 2.104 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV028658.D
 Acq: 21 Oct 2022 13:30

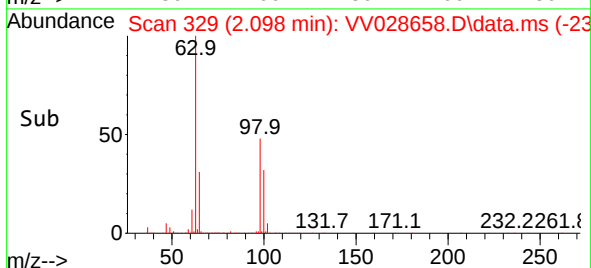
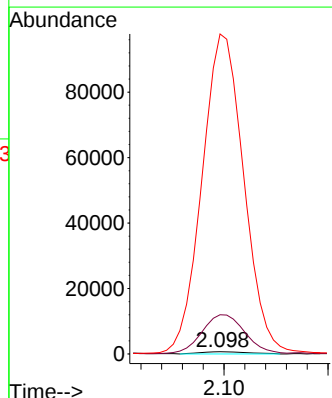
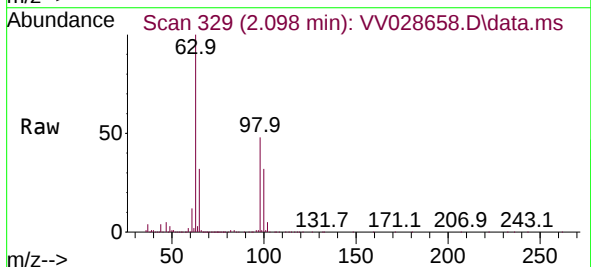
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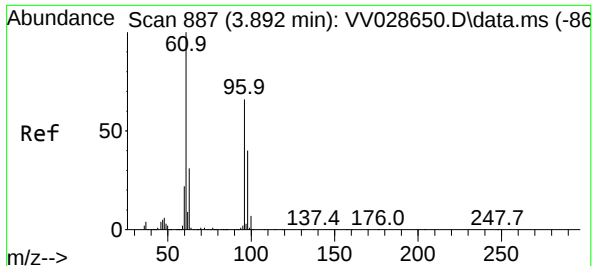
Tgt Ion:101 Resp: 1218
 Ion Ratio Lower Upper
 101 100
 85 15.7 37.0 55.6#
 151 11.5 50.2 75.2#



#12
 1,1-Dichloroethene
 Concen: 0.085 ug/L
 RT: 2.098 min Scan# 329
 Delta R.T. -0.007 min
 Lab File: VV028658.D
 Acq: 21 Oct 2022 13:30

Tgt Ion: 96 Resp: 1095
 Ion Ratio Lower Upper
 96 100
 61 1755.3 148.1 275.1#
 63 14294.7 133.3 247.7#

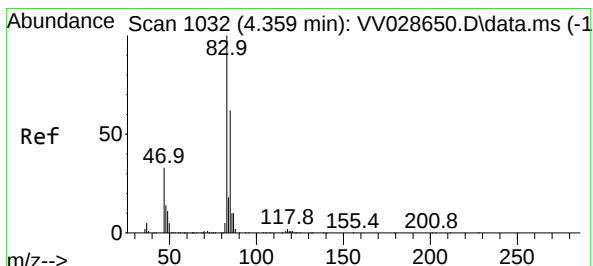
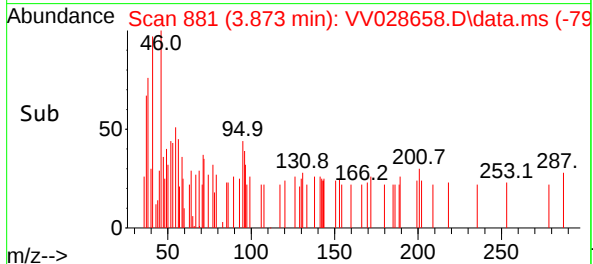
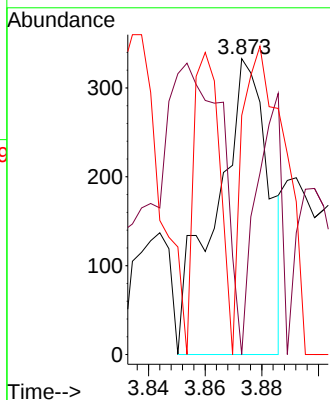
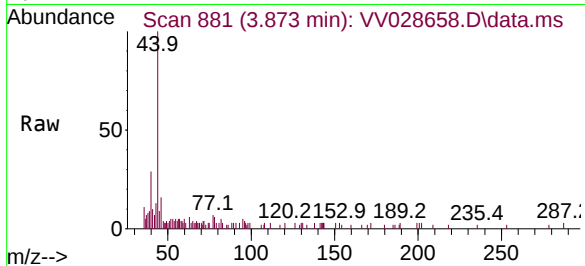




#22
cis-1,2-Dichloroethene
Concen: 0.027 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.019 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

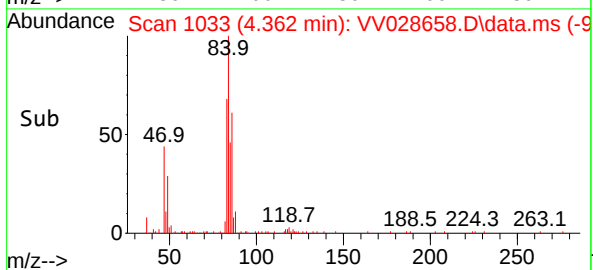
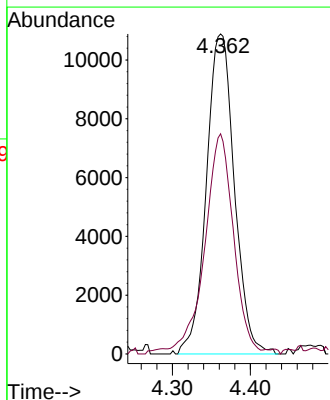
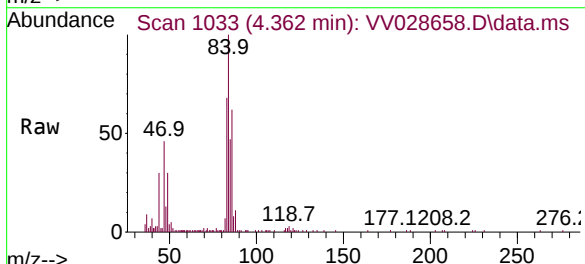
Instrument :
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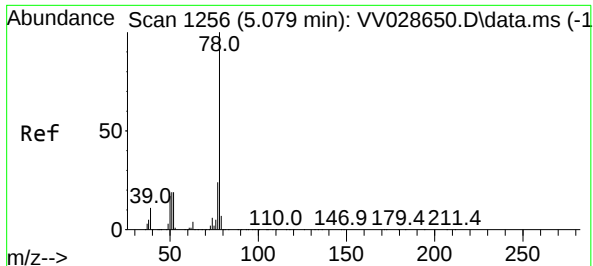
Tgt Ion: 96 Resp: 431
Ion Ratio Lower Upper
96 100
61 0.0 101.4 188.2#
68 80.8 0.5 0.9#



#25
Chloroform
Concen: 0.880 ug/L
RT: 4.362 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

Tgt Ion: 83 Resp: 27222
Ion Ratio Lower Upper
83 100
85 68.8 44.1 81.9

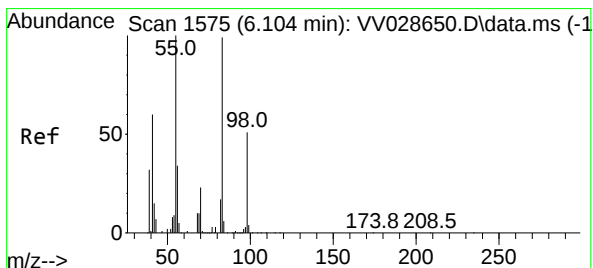
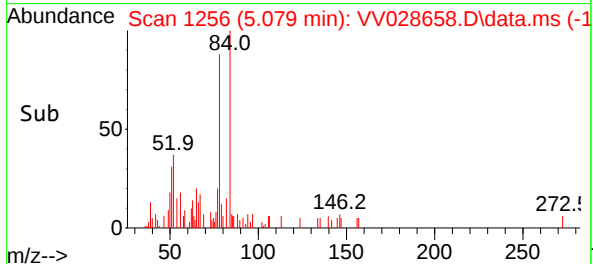
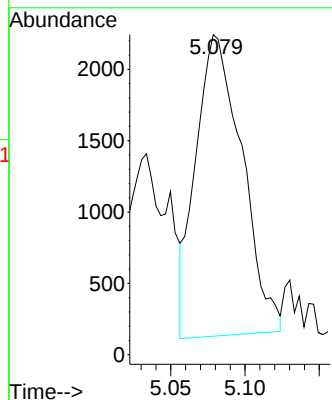
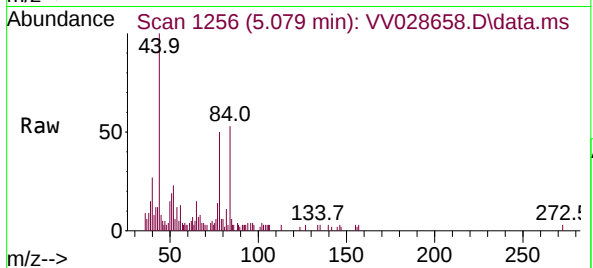




#33
Benzene
Concen: 0.077 ug/L
RT: 5.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

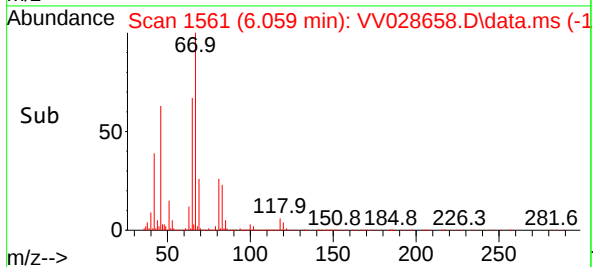
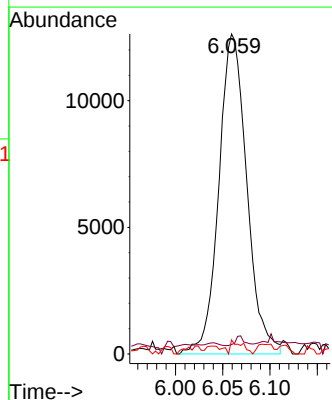
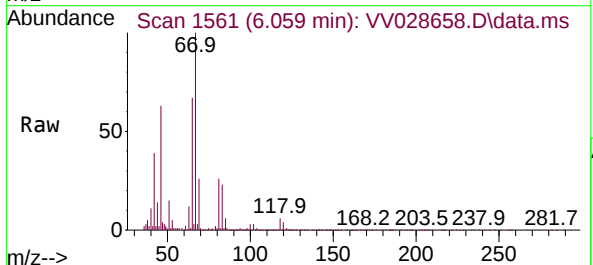
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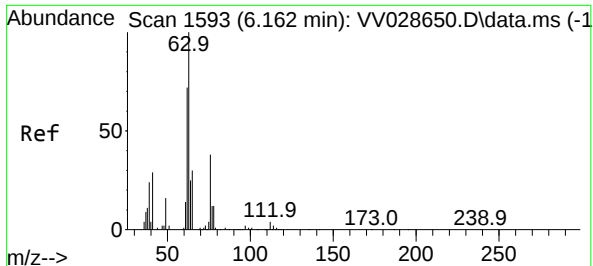
Tgt Ion: 78 Resp: 4561



#35
Methylcyclohexane
Concen: 1.212 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.045 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

Tgt Ion: 83 Resp: 26039
Ion Ratio Lower Upper
83 100
55 1.0 70.0 105.0#
98 1.9 35.6 53.4#





#37

1,2-Dichloropropane

Concen: 0.865 ug/L

RT: 6.059 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV028658.D

Acq: 21 Oct 2022 13:30

Instrument :

MSVOA_V

ClientSampleId :

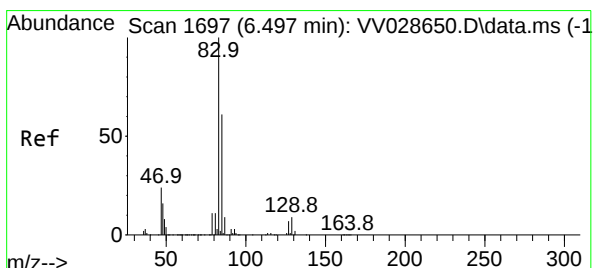
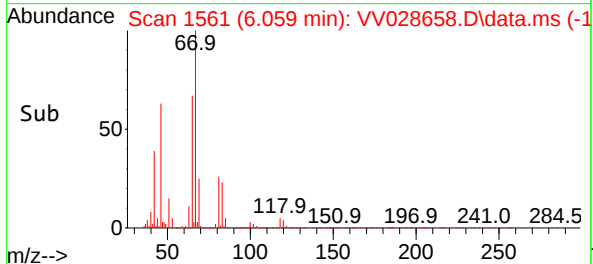
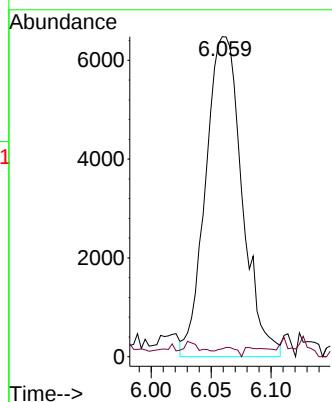
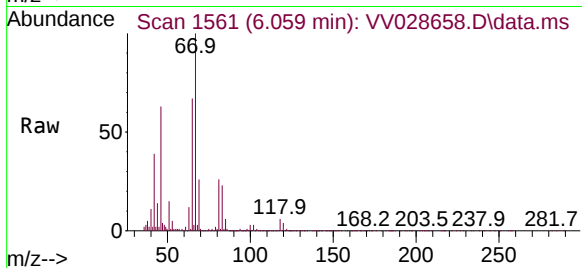
BD717

Tgt Ion: 63 Resp: 13735

Ion Ratio Lower Upper

63 100

112 1.4 3.4 5.2#



#38

Bromodichloromethane

Concen: 0.055 ug/L

RT: 6.481 min Scan# 1692

Delta R.T. -0.016 min

Lab File: VV028658.D

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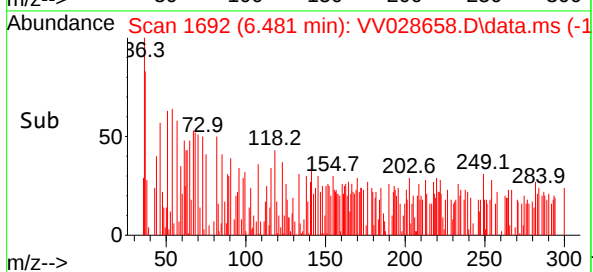
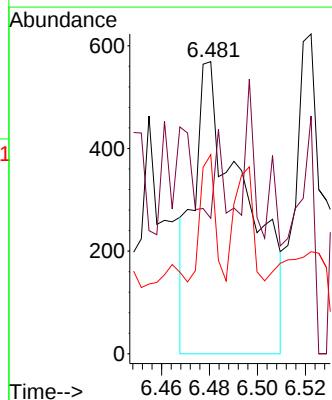
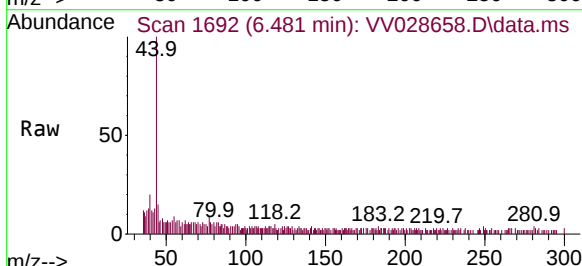
Tgt Ion: 83 Resp: 842

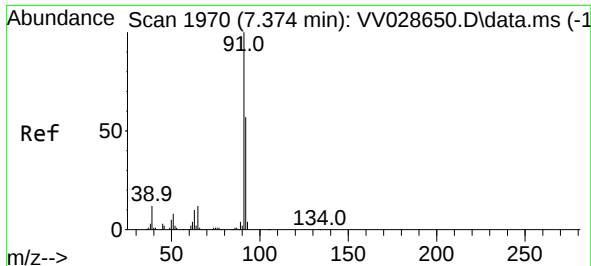
Ion Ratio Lower Upper

83 100

85 46.4 45.1 83.9

127 68.2 5.7 8.5#

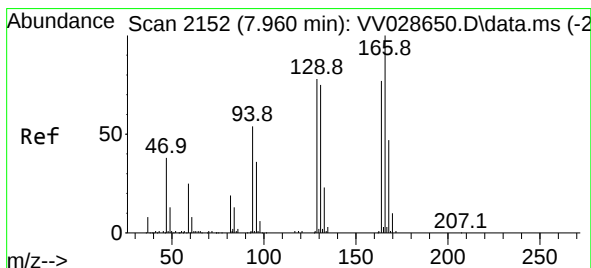
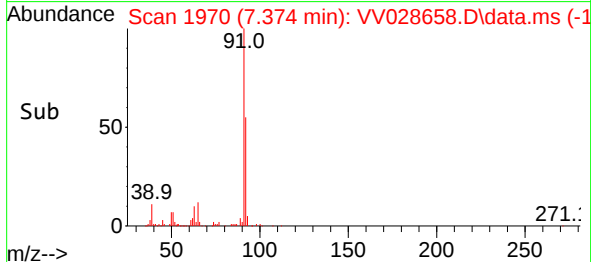
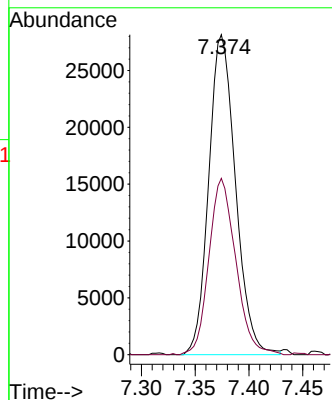
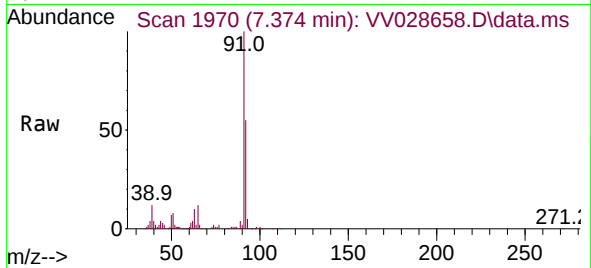




#42
Toluene
Concen: 0.993 ug/L
RT: 7.374 min Scan# 1970
Delta R.T. -0.000 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

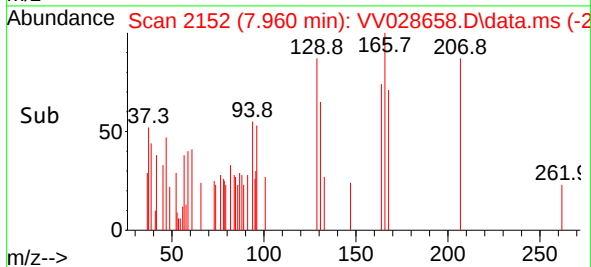
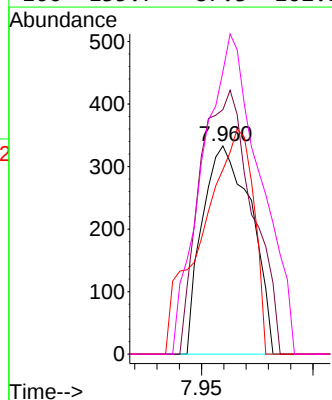
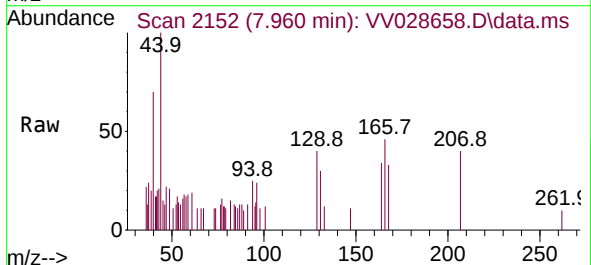
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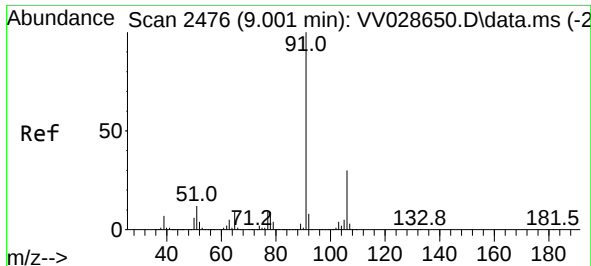
Tgt Ion: 91 Resp: 48764
Ion Ratio Lower Upper
91 100
92 55.1 40.5 75.3



#47
Tetrachloroethene
Concen: 0.069 ug/L
RT: 7.960 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

Tgt Ion: 164 Resp: 507
Ion Ratio Lower Upper
164 100
129 117.4 69.2 128.6
131 88.6 64.2 119.2
166 135.7 87.3 162.1





#52

Ethylbenzene

Concen: 0.127 ug/L

RT: 9.001 min Scan# 2476

Delta R.T. -0.000 min

Lab File: VV028658.D

Acq: 21 Oct 2022 13:30

Instrument :

MSVOA_V

ClientSampleId :

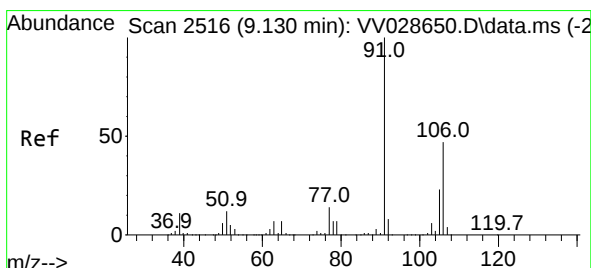
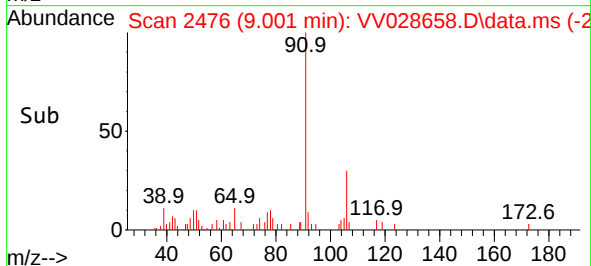
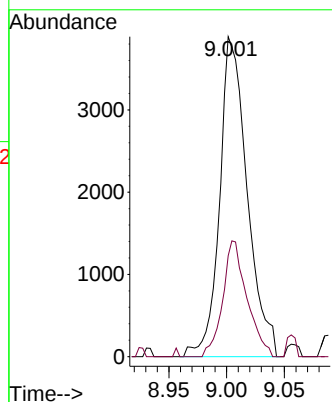
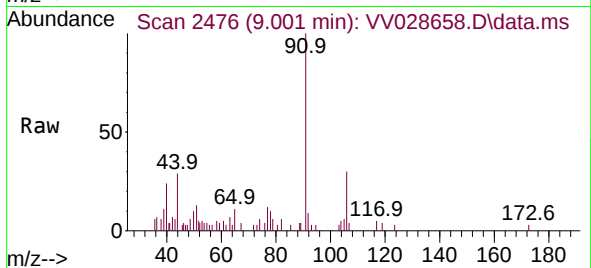
BD717

Tgt Ion: 91 Resp: 6463

Ion Ratio Lower Upper

91 100

106 31.5 21.3 39.6



#53

m,p-Xylene

Concen: 0.467 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. -0.000 min

Lab File: VV028658.D

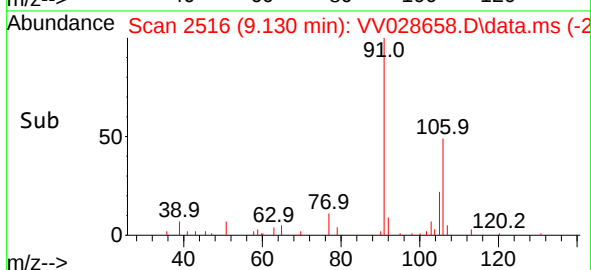
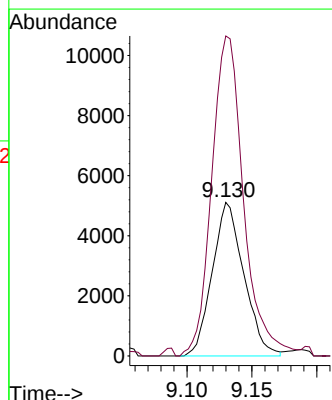
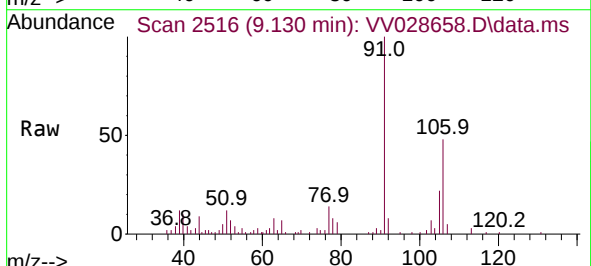
Acq: 21 Oct 2022 13:30

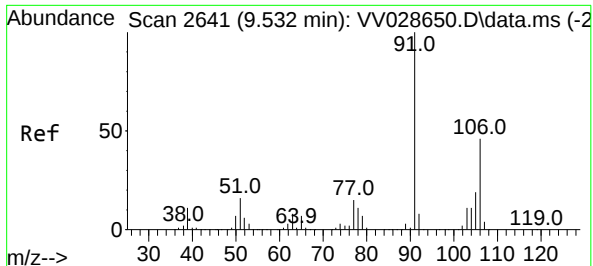
Tgt Ion: 106 Resp: 8656

Ion Ratio Lower Upper

106 100

91 208.3 145.5 270.1

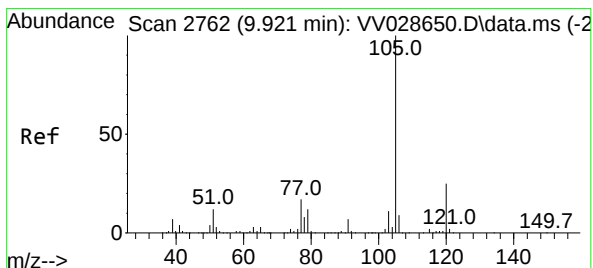
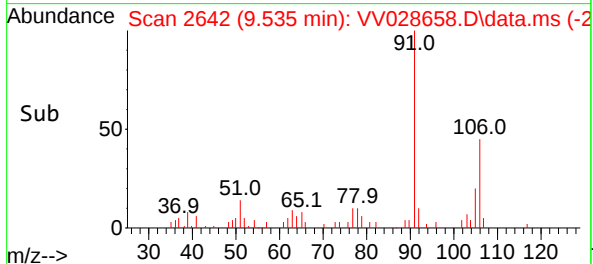
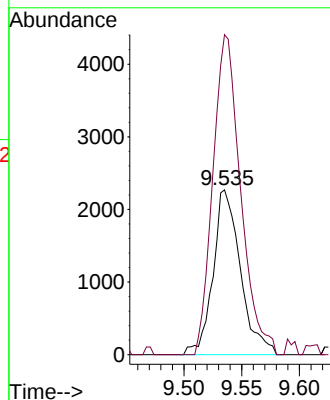
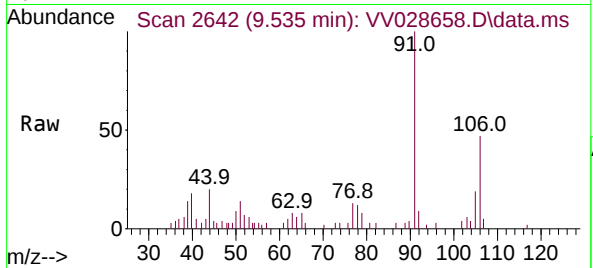




#54
o-Xylene
Concen: 0.203 ug/L
RT: 9.535 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

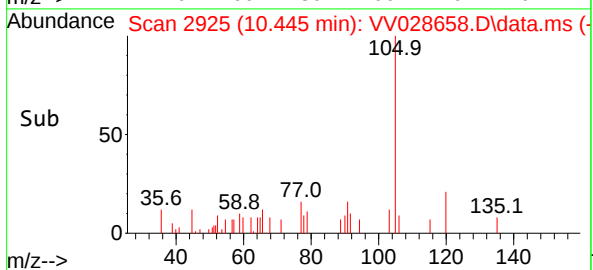
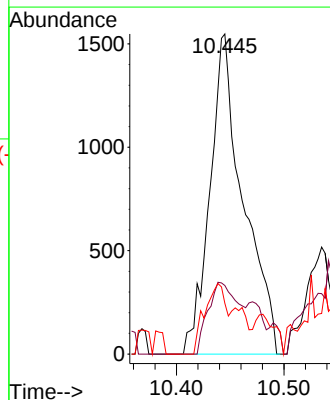
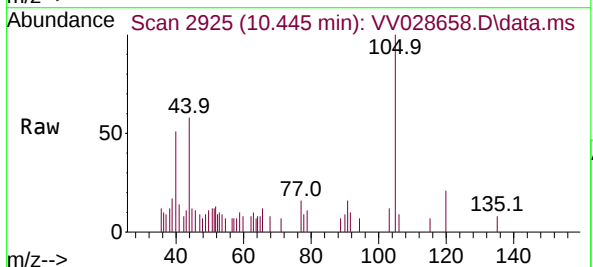
Instrument :
MSVOA_V
ClientSampleId :
BD717

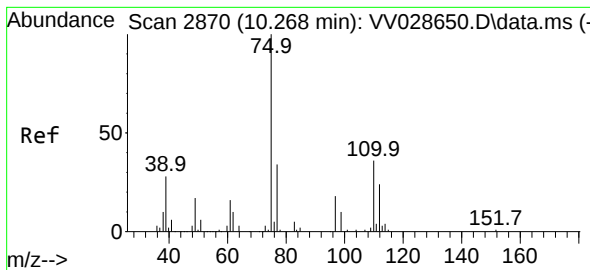
Tgt Ion:106 Resp: 3737
Ion Ratio Lower Upper
106 100
91 194.1 159.0 295.4



#60
Isopropylbenzene
Concen: 0.072 ug/L
RT: 10.445 min Scan# 2925
Delta R.T. 0.524 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

Tgt Ion:105 Resp: 3329
Ion Ratio Lower Upper
105 100
120 20.7 20.1 30.1
77 13.9 13.4 20.0





#61

1,2,3-Trichloropropane

Concen: 1.463 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.971 min

Lab File: VV028658.D

Acq: 21 Oct 2022 13:30

Instrument :

MSVOA_V

ClientSampleId :

BD717

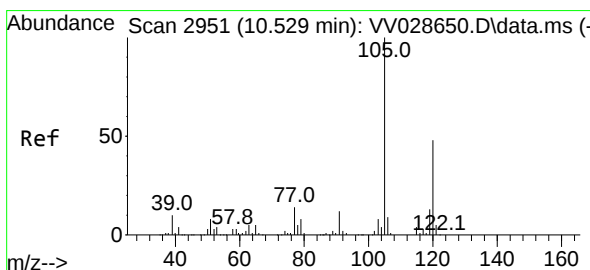
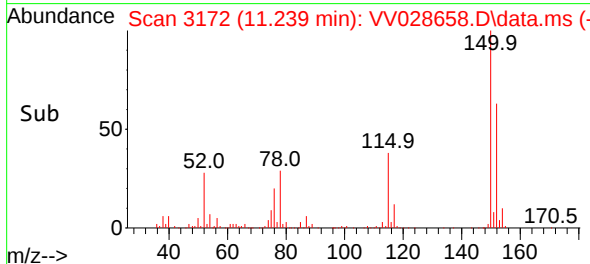
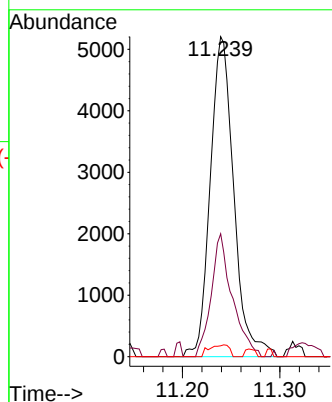
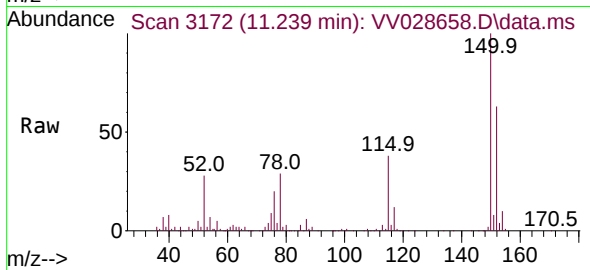
Tgt Ion: 75 Resp: 8743

Ion Ratio Lower Upper

75 100

77 34.3 25.2 37.8

110 3.1 27.9 41.9#



#62

1,3,5-Trimethylbenzene

Concen: 0.215 ug/L

RT: 10.908 min Scan# 3069

Delta R.T. 0.379 min

Lab File: VV028658.D

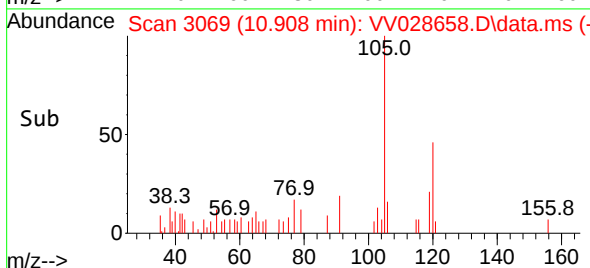
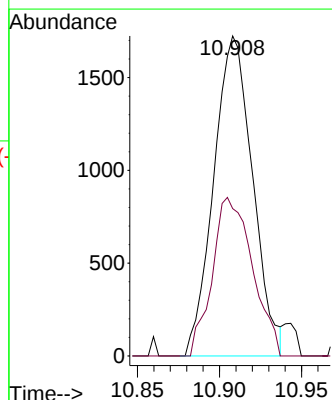
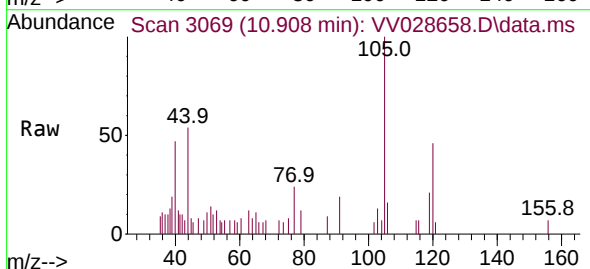
Acq: 21 Oct 2022 13:30

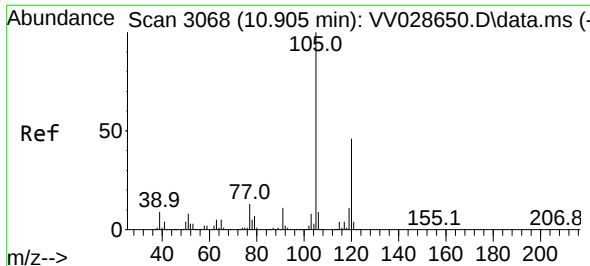
Tgt Ion: 105 Resp: 2842

Ion Ratio Lower Upper

105 100

120 51.0 38.3 57.5

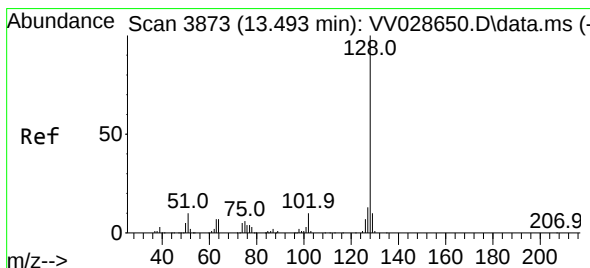
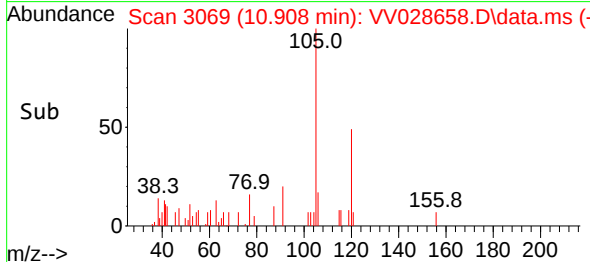
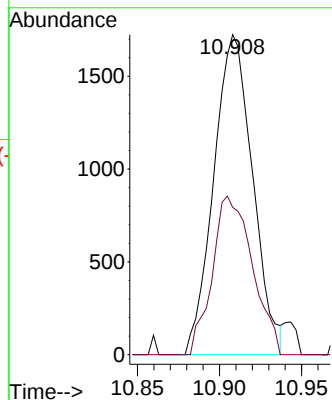
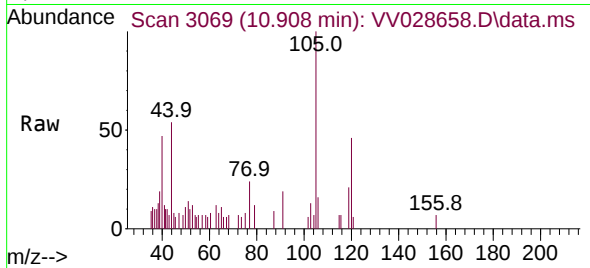




#63
1,2,4-Trimethylbenzene
Concen: 0.080 ug/L
RT: 10.908 min Scan# 3069
Delta R.T. 0.003 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

Instrument :
MSVOA_V
ClientSampleId :
BD717

Tgt Ion:105 Resp: 2842
Ion Ratio Lower Upper
105 100
120 51.0 36.2 54.2



#71
Naphthalene
Concen: 0.100 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.006 min
Lab File: VV028658.D
Acq: 21 Oct 2022 13:30

Tgt Ion:128 Resp: 1739
Ion Ratio Lower Upper
128 100
129 7.4 8.9 13.3#
127 11.0 10.2 15.4

