

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081723\
 Data File : VW031832.D
 Acq On : 17 Aug 2023 15:36
 Operator : SY/MD
 Sample : 04059-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 18 02:33:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 18 02:24:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	85106	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	96814	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	45051	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	52431	10.356	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	207.200%#
7) Chloroethane-d5	1.532	69	61196	11.528	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	230.600%#
11) 1,1-Dichloroethene-d2	2.060	65	30258	10.347	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	207.000%#
20) 2-Butanone-d5	3.825	46	139868	80.240	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	160.480%#
24) Chloroform-d	4.256	84	151960	10.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	206.800%#
26) 1,2-Dichloroethane-d4	4.950	65	70180	9.673	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	193.400%#
32) Benzene-d6	4.969	84	237299	8.983	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	179.600%#
36) 1,2-Dichloropropane-d6	5.995	67	90063	9.603	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	192.000%#
41) Toluene-d8	7.249	98	177736	7.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	147.800%#
43) trans-1,3-Dichloroprop...	7.567	79	25002	8.684	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	173.600%#
46) 2-Hexanone-d5	8.034	63	110141	80.252	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	160.500%#
56) 1,1,2,2-Tetrachloroeth...	10.159	84	71622	11.012	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	220.200%#
66) 1,2-Dichlorobenzene-d4	11.567	152	77890	9.802	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	196.000%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	5133	0.690	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	1393	0.213	ug/L #	20
13) Acetone	2.143	43	2863	2.862	ug/L	80
14) Carbon disulfide	2.236	76	2781	0.178	ug/L #	74
22) cis-1,2-Dichloroethene	3.828	96	776	0.144	ug/L	76
33) Benzene	5.024	78	9790	0.425	ug/L	100
35) Methylcyclohexane	6.027	83	1083	0.146	ug/L #	28
37) 1,2-Dichloropropane	6.072	63	577	0.088	ug/L #	89
42) Toluene	7.336	91	3255	0.142	ug/L #	23
44) trans-1,3-Dichloropropene	7.564	75	891	0.127	ug/L	94
48) 2-Hexanone	8.092	43	9280	3.413	ug/L #	79
52) Ethylbenzene	8.963	91	1939	0.084	ug/L	90
53) m,p-Xylene	9.085	106	7589	0.922	ug/L	79
54) o-Xylene	9.487	106	1437	0.183	ug/L #	1
60) Isopropylbenzene	9.873	105	61399	3.371	ug/L	99
61) 1,2,3-Trichloropropane	11.191	75	6079	1.633	ug/L #	51
62) 1,3,5-Trimethylbenzene	10.484	105	2097	0.142	ug/L	97
63) 1,2,4-Trimethylbenzene	10.863	105	3246	0.219	ug/L	90
65) 1,4-Dichlorobenzene	11.210	146	1007	0.094	ug/L #	62

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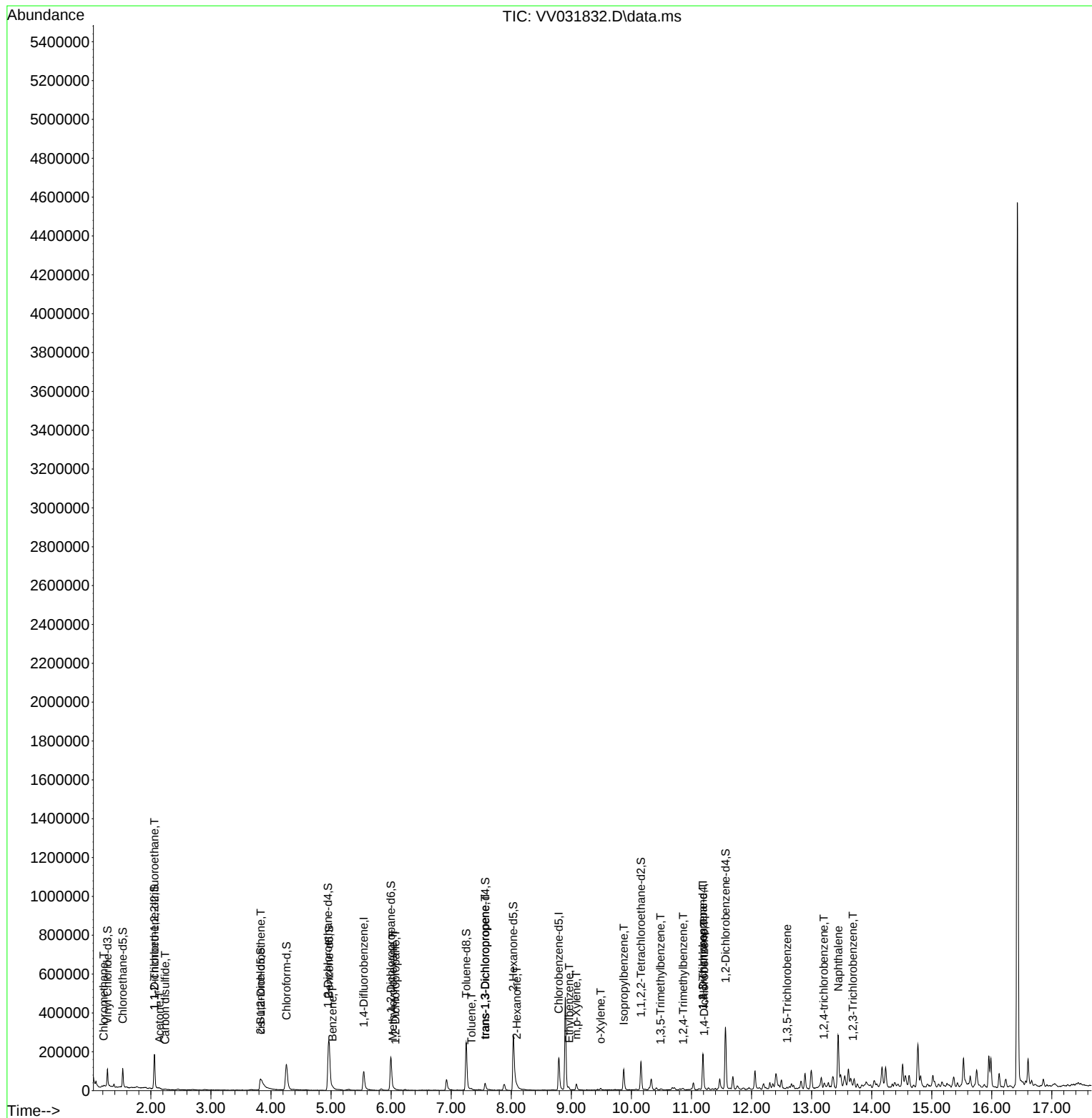
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	12.593	180	906	0.120	ug/L #	57
70) 1,2,4-trichlorobenzene	13.204	180	1448	0.228	ug/L #	39
71) Naphthalene	13.445	128	157151	16.888	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	850	0.148	ug/L #	1

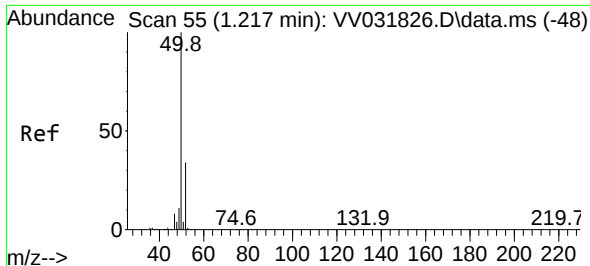
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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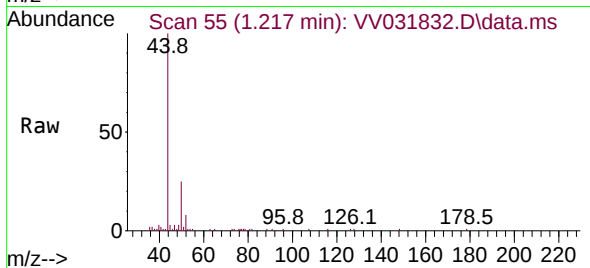
Quant Time: Aug 18 02:33:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081723WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Aug 18 02:24:23 2023
Response via : Initial Calibration



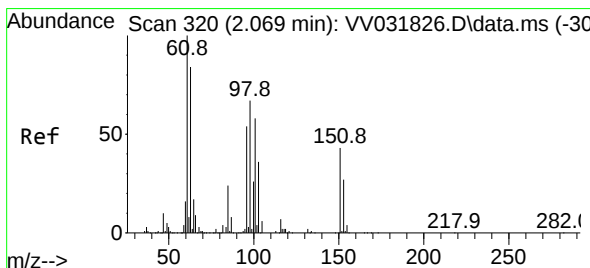
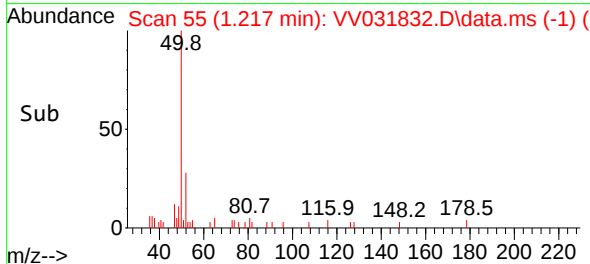
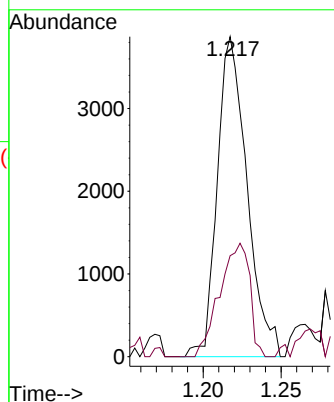


#3
Chloromethane
Concen: 0.690 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

Instrument :
MSVOA_V
ClientSampleId :

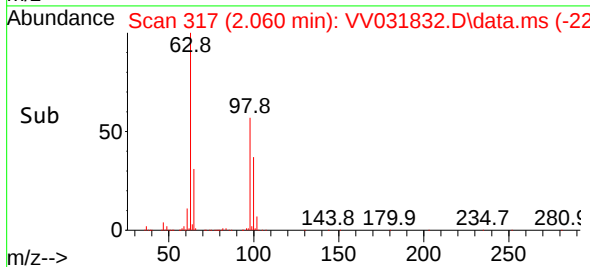
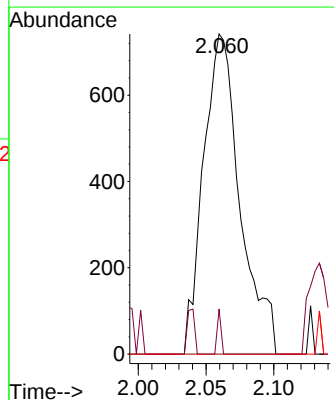
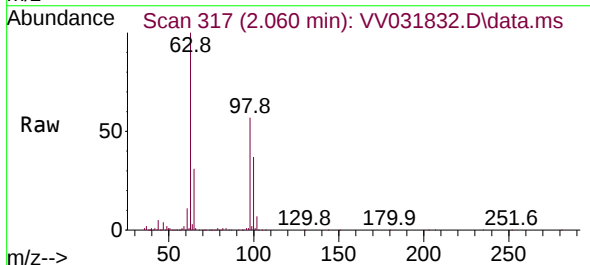


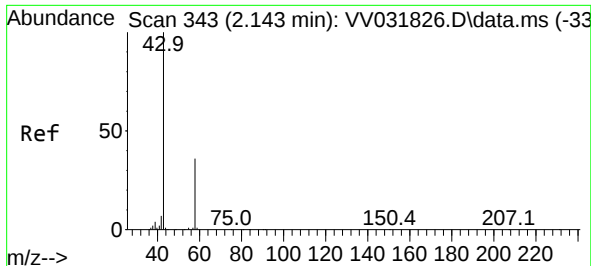
Tgt Ion: 50 Resp: 5133
Ion Ratio Lower Upper
50 100
52 31.5 23.8 44.2



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.213 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.009 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

Tgt Ion: 101 Resp: 1393
Ion Ratio Lower Upper
101 100
85 1.4 33.3 49.9#
151 0.0 60.2 90.4#





#13

Acetone

Concen: 2.862 ug/L

RT: 2.143 min Scan# 343

Delta R.T. 0.000 min

Lab File: VV031832.D

Acq: 17 Aug 2023 15:36

Instrument :

MSVOA_V

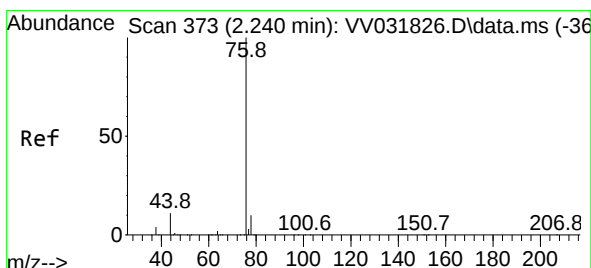
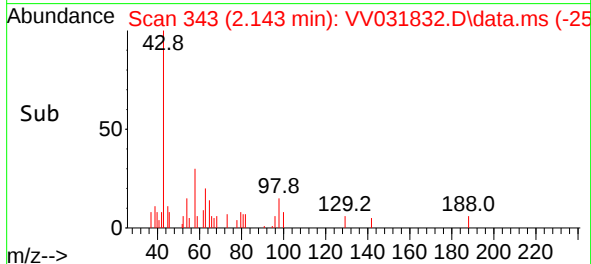
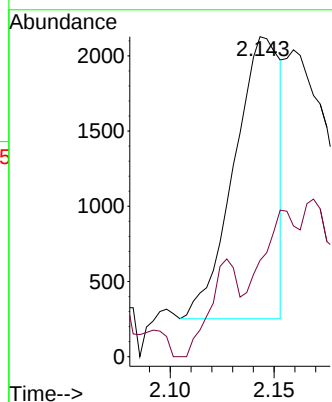
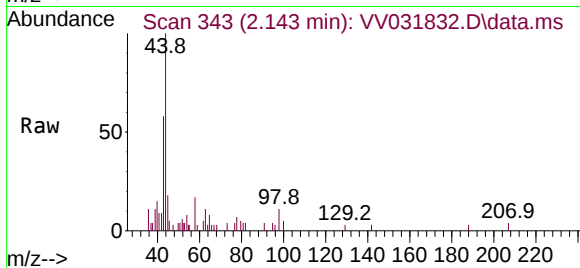
ClientSampleId :

Tgt Ion: 43 Resp: 2863

Ion Ratio Lower Upper

43 100

58 45.8 0.0 69.0



#14

Carbon disulfide

Concen: 0.178 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV031832.D

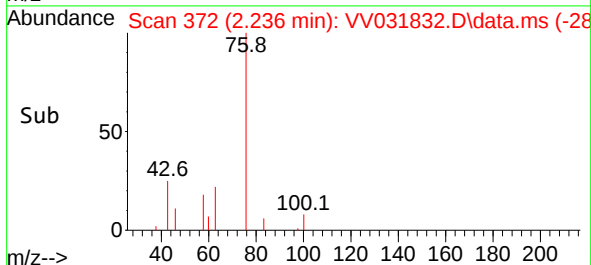
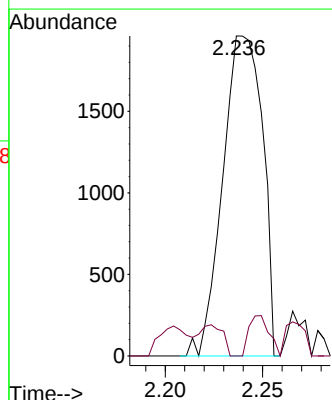
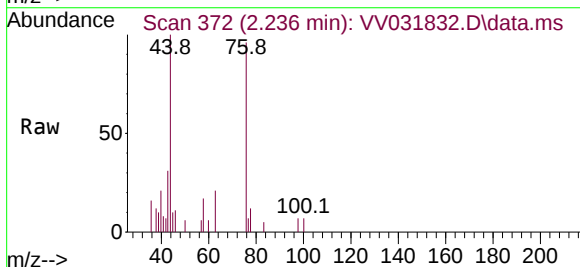
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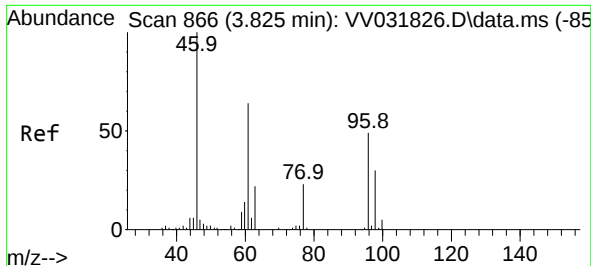
Tgt Ion: 76 Resp: 2781

Ion Ratio Lower Upper

76 100

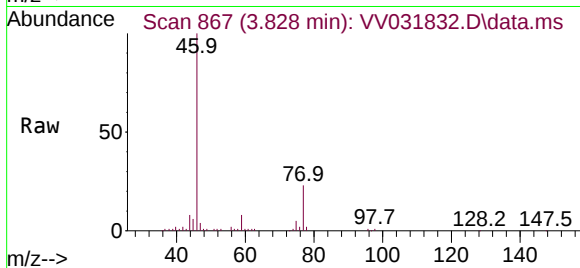
78 0.0 7.7 11.5#



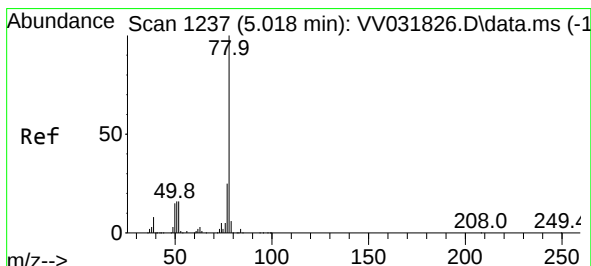
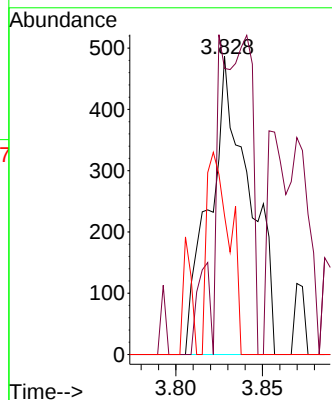
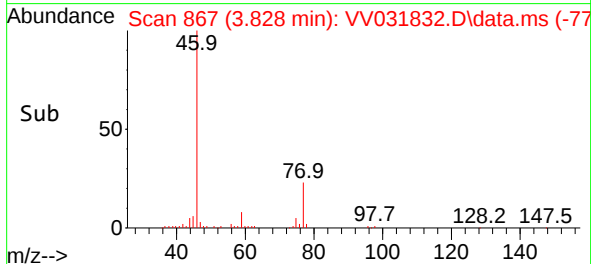


#22
 cis-1,2-Dichloroethene
 Concen: 0.144 ug/L
 RT: 3.828 min Scan# 867
 Delta R.T. 0.003 min
 Lab File: VV031832.D
 Acq: 17 Aug 2023 15:36

Instrument :
 MSVOA_V
 ClientSampleId :

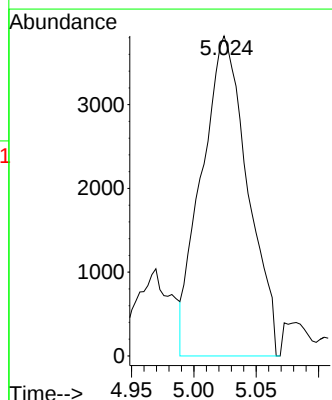
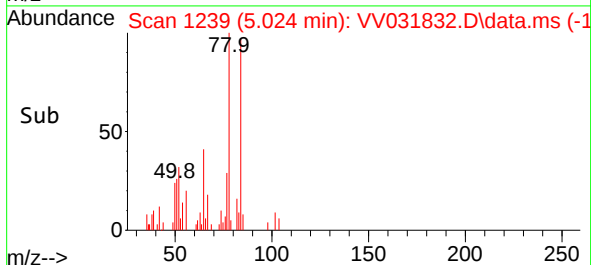
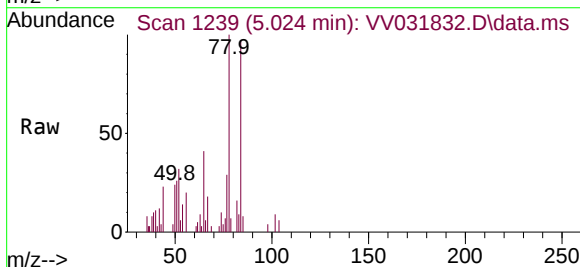


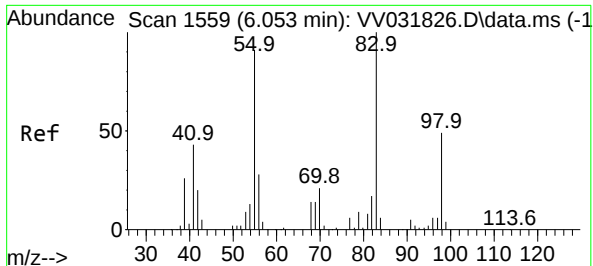
Tgt Ion: 96 Resp: 776
 Ion Ratio Lower Upper
 96 100
 61 95.9 88.8 165.0
 98 46.6 42.1 78.3



#33
 Benzene
 Concen: 0.425 ug/L
 RT: 5.024 min Scan# 1239
 Delta R.T. 0.007 min
 Lab File: VV031832.D
 Acq: 17 Aug 2023 15:36

Tgt Ion: 78 Resp: 9790





#35

Methylcyclohexane

Concen: 0.146 ug/L

RT: 6.027 min Scan# 1

Delta R.T. -0.026 min

Lab File: VV031832.D

Acq: 17 Aug 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

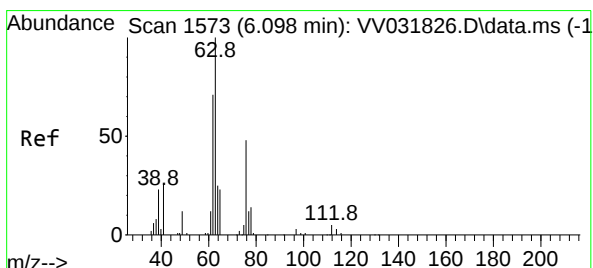
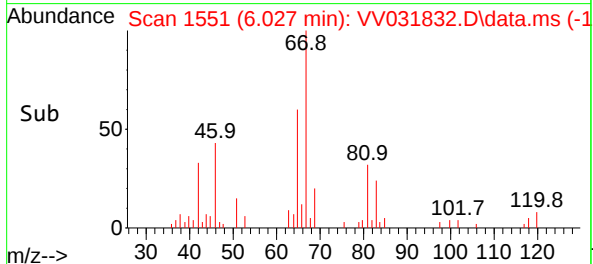
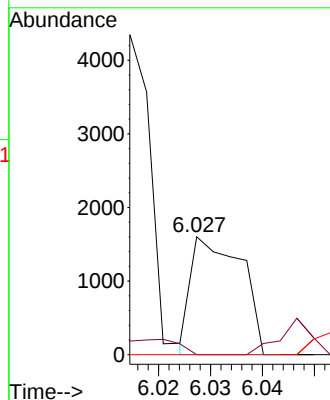
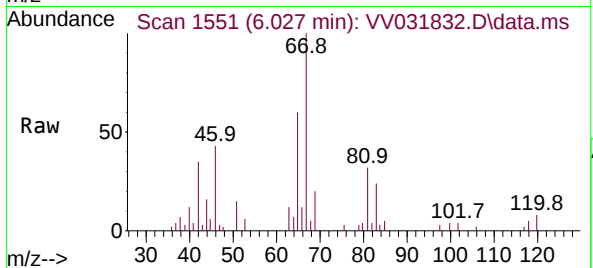
Tgt Ion: 83 Resp: 1083

Ion Ratio Lower Upper

83 100

55 20.3 69.1 103.7#

98 0.0 38.5 57.7#



#37

1,2-Dichloropropane

Concen: 0.088 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.026 min

Lab File: VV031832.D

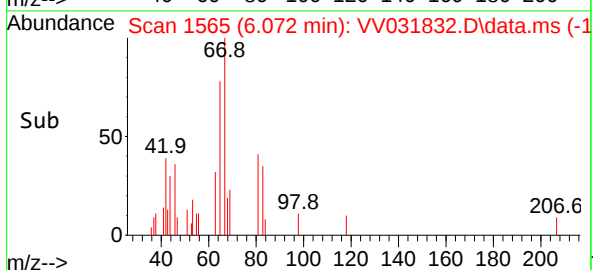
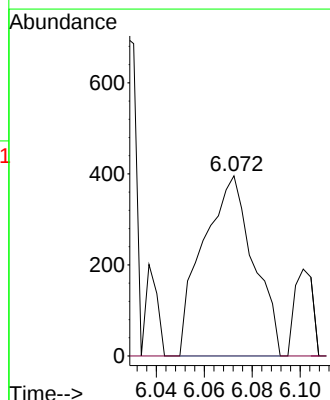
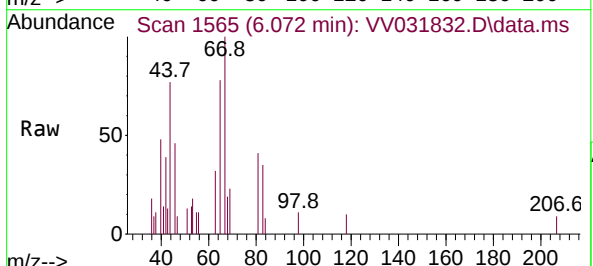
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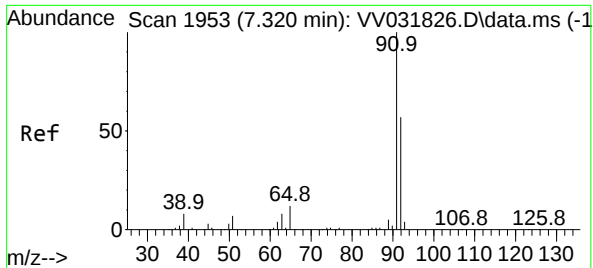
Tgt Ion: 63 Resp: 577

Ion Ratio Lower Upper

63 100

112 8.0 3.4 5.0#

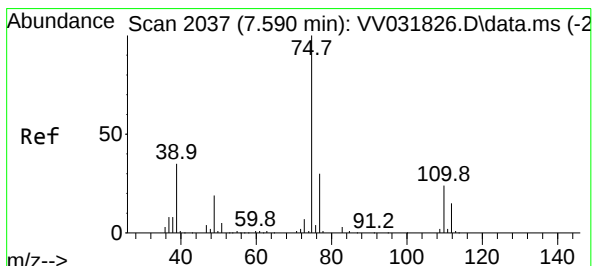
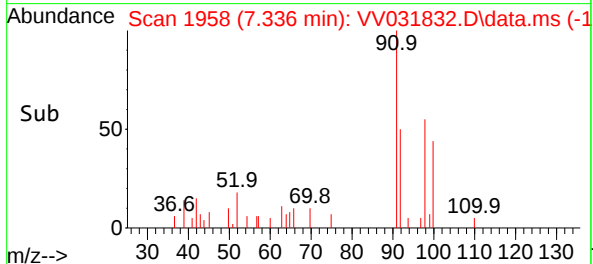
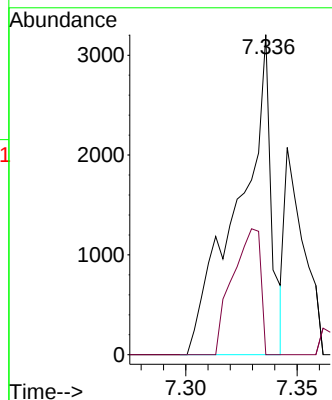
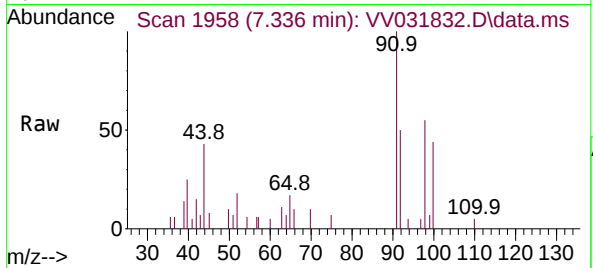




#42
Toluene
Concen: 0.142 ug/L
RT: 7.336 min Scan# 1953
Delta R.T. 0.016 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

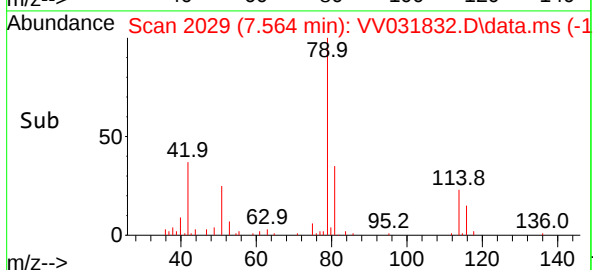
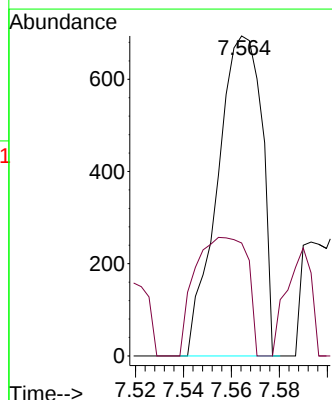
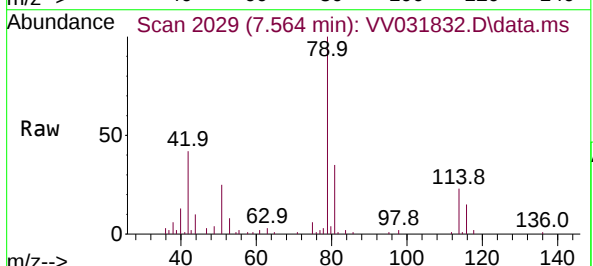
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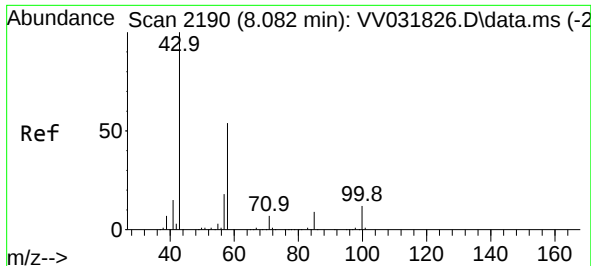
Tgt Ion: 91 Resp: 3255
Ion Ratio Lower Upper
91 100
92 0.0 39.8 74.0#



#44
trans-1,3-Dichloropropene
Concen: 0.127 ug/L
RT: 7.564 min Scan# 2029
Delta R.T. -0.026 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

Tgt Ion: 75 Resp: 891
Ion Ratio Lower Upper
75 100
77 35.3 22.4 41.6

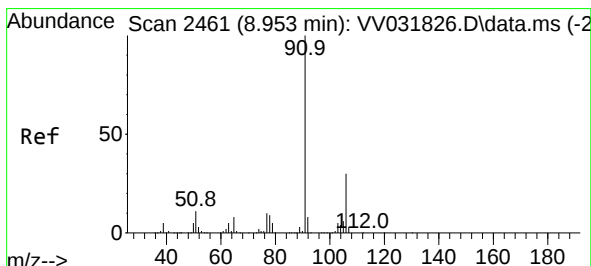
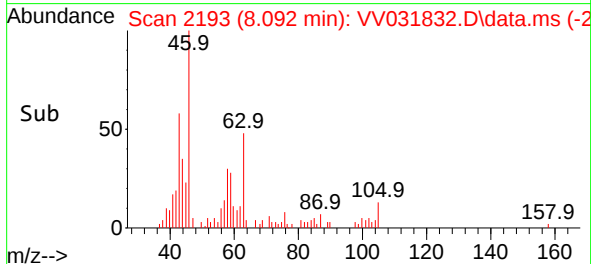
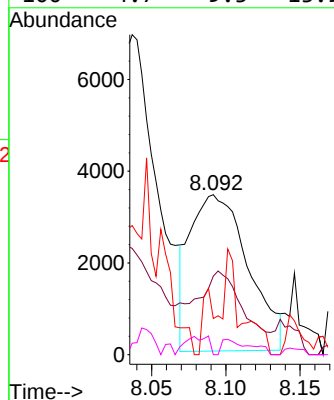
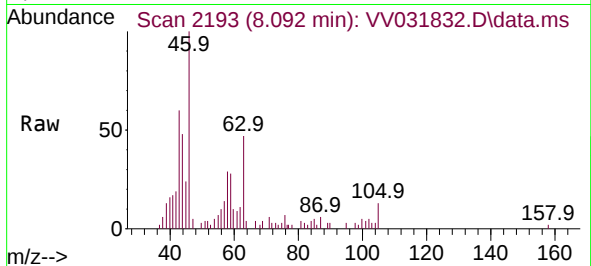




#48
2-Hexanone
Concen: 3.413 ug/L
RT: 8.092 min Scan# 2190
Delta R.T. 0.010 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

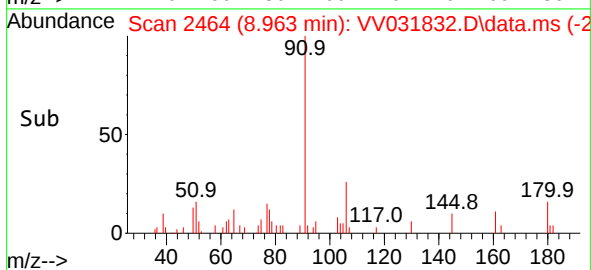
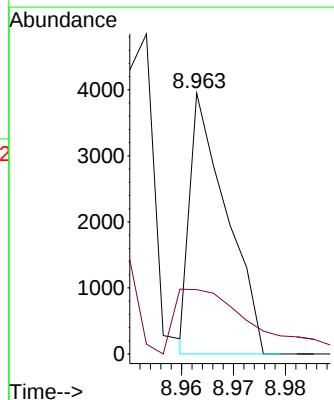
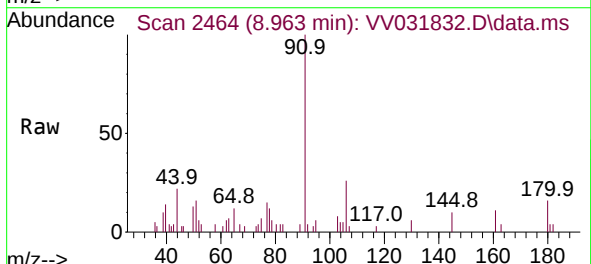
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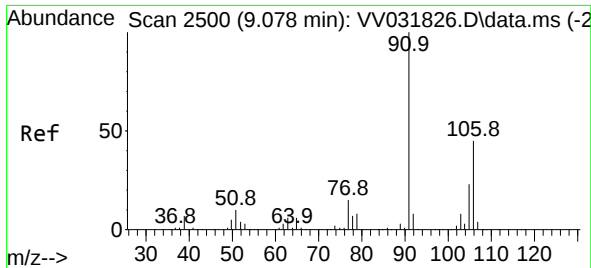
Tgt Ion: 43 Resp: 9280
Ion Ratio Lower Upper
43 100
58 40.7 44.4 66.6#
57 7.3 15.0 22.6#
100 4.7 9.3 13.9#



#52
Ethylbenzene
Concen: 0.084 ug/L
RT: 8.963 min Scan# 2464
Delta R.T. 0.010 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

Tgt Ion: 91 Resp: 1939
Ion Ratio Lower Upper
91 100
106 24.6 20.9 38.7

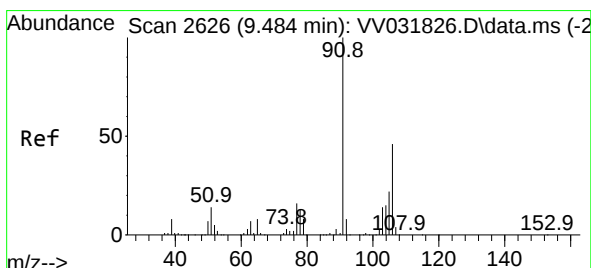
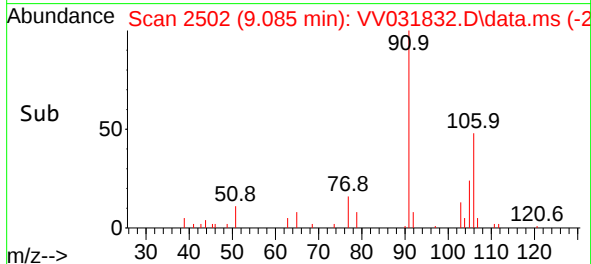
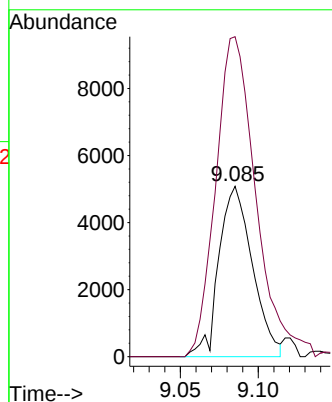
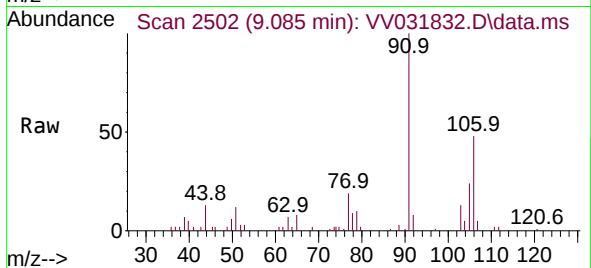




#53
m,p-Xylene
Concen: 0.922 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

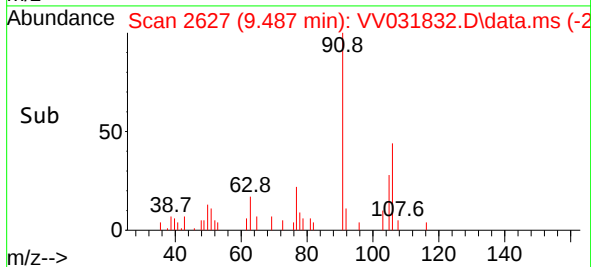
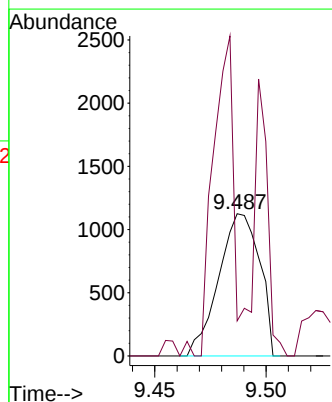
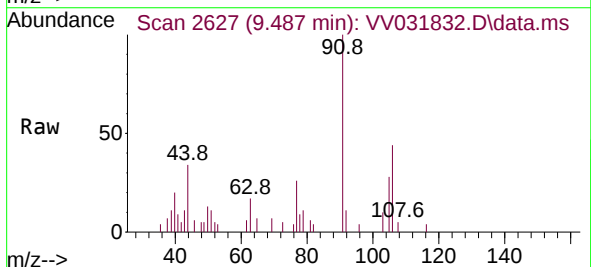
Instrument :
MSVOA_V
ClientSampleId :

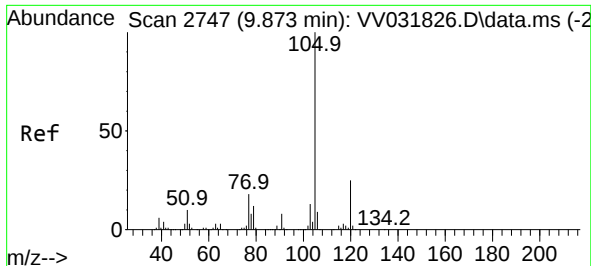
Tgt Ion:106 Resp: 7589
Ion Ratio Lower Upper
106 100
91 187.7 155.7 289.1



#54
o-Xylene
Concen: 0.183 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

Tgt Ion:106 Resp: 1437
Ion Ratio Lower Upper
106 100
91 24.6 154.0 286.0#

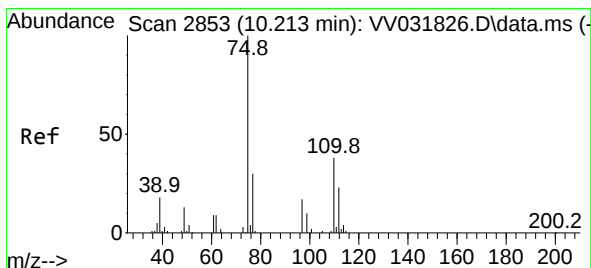
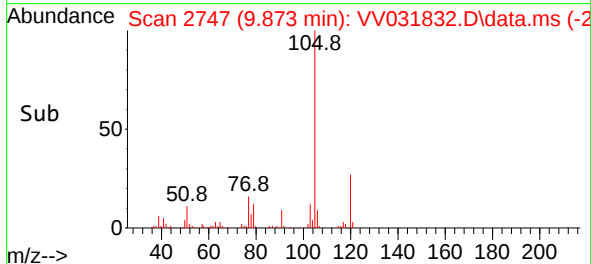
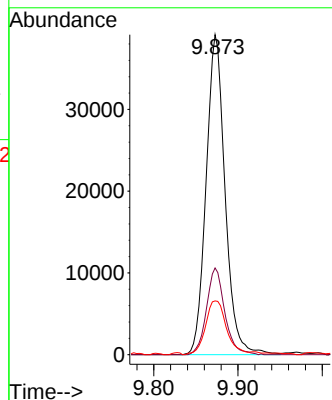
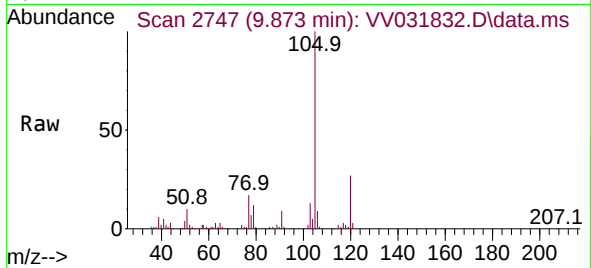




#60
Isopropylbenzene
Concen: 3.371 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

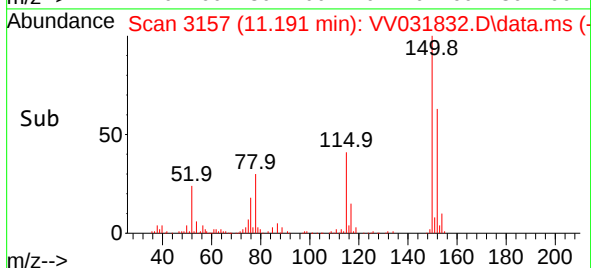
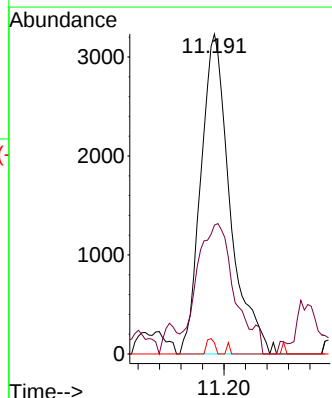
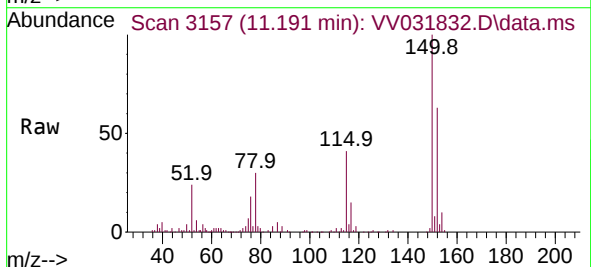
Instrument :
MSVOA_V
ClientSampleId :

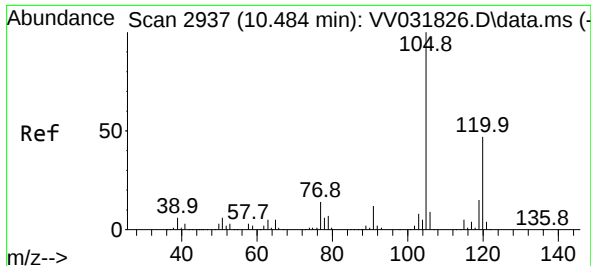
Tgt Ion:105 Resp: 61399
Ion Ratio Lower Upper
105 100
120 26.1 20.6 30.8
77 18.5 14.2 21.2



#61
1,2,3-Trichloropropane
Concen: 1.633 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.978 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

Tgt Ion: 75 Resp: 6079
Ion Ratio Lower Upper
75 100
77 52.4 26.6 40.0#
110 1.3 32.0 48.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.142 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031832.D

Acq: 17 Aug 2023 15:36

Instrument :

MSVOA_V

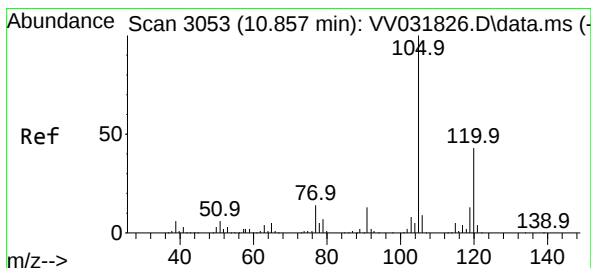
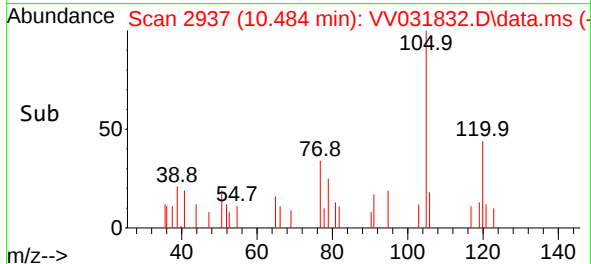
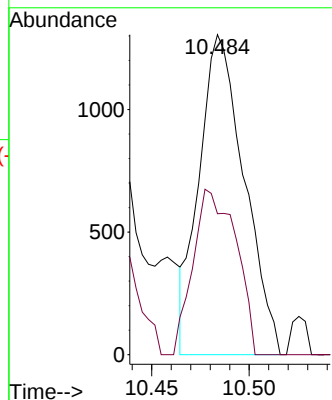
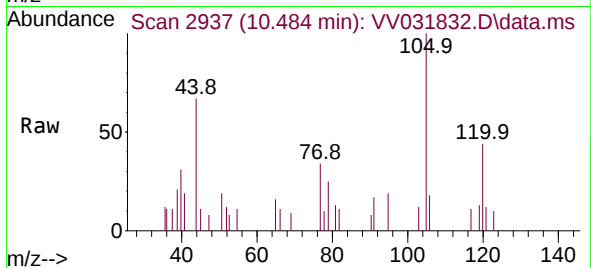
ClientSampleId :

Tgt Ion:105 Resp: 2097

Ion Ratio Lower Upper

105 100

120 49.2 37.5 56.3



#63

1,2,4-Trimethylbenzene

Concen: 0.219 ug/L

RT: 10.863 min Scan# 3055

Delta R.T. 0.007 min

Lab File: VV031832.D

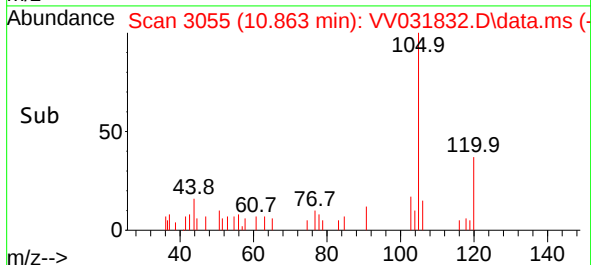
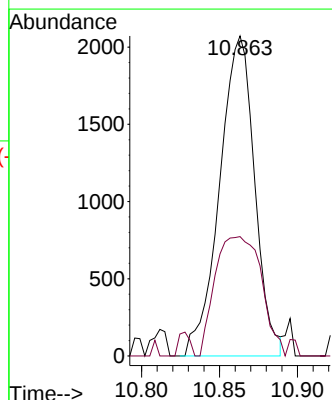
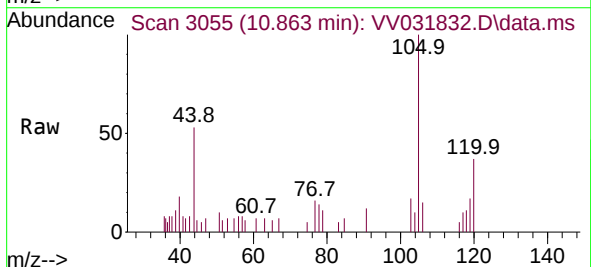
Acq: 17 Aug 2023 15:36

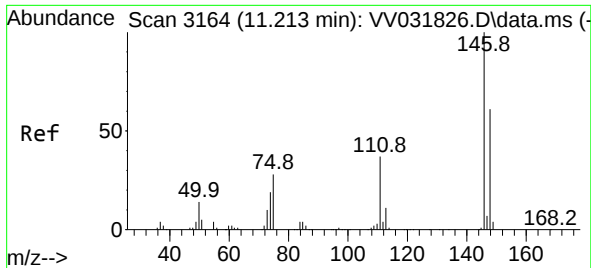
Tgt Ion:105 Resp: 3246

Ion Ratio Lower Upper

105 100

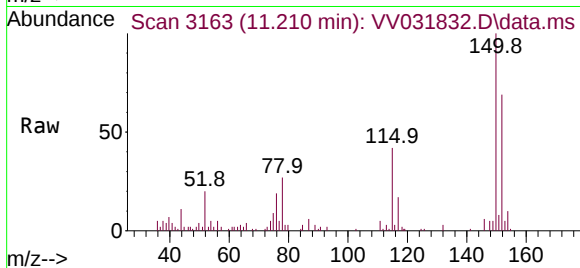
120 49.2 34.5 51.7



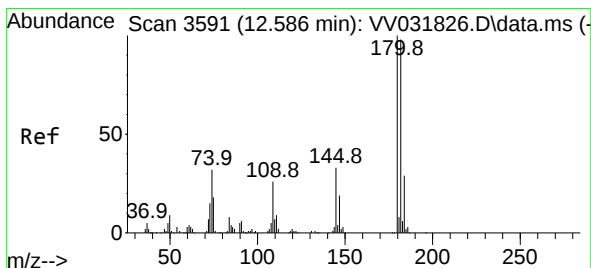
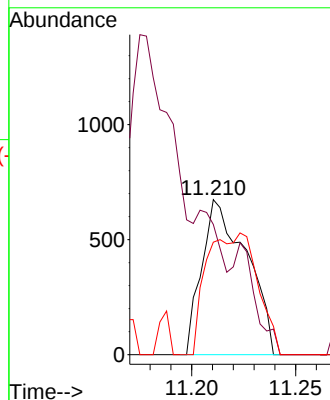
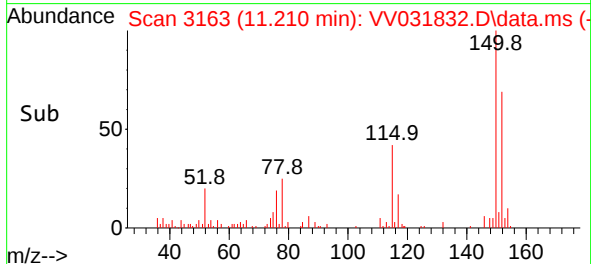


#65
1,4-Dichlorobenzene
Concen: 0.094 ug/L
RT: 11.210 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36

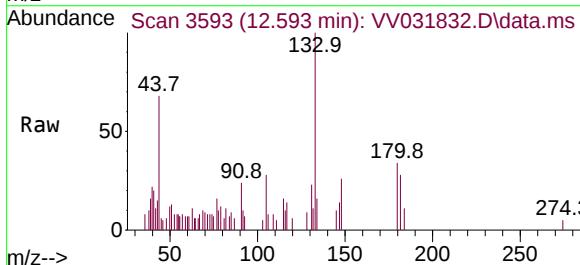
Instrument :
MSVOA_V
ClientSampleId :



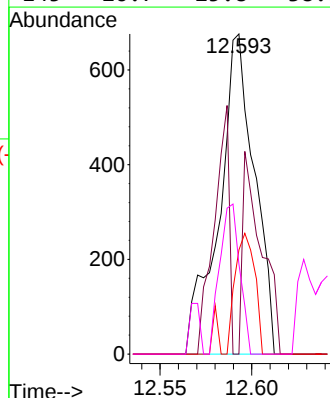
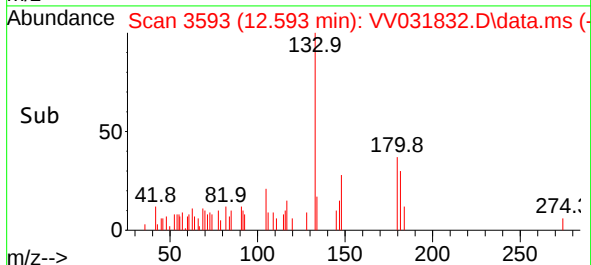
Tgt Ion:146 Resp: 1007
Ion Ratio Lower Upper
146 100
111 84.0 26.2 48.8#
148 72.6 43.0 80.0

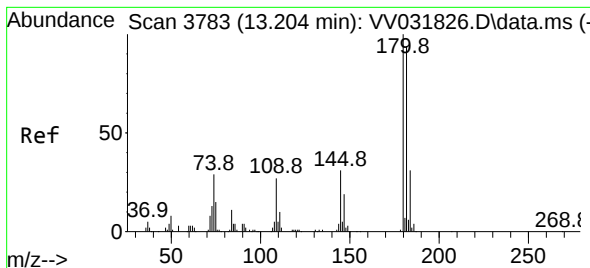


#69
1,3,5-Trichlorobenzene
Concen: 0.120 ug/L
RT: 12.593 min Scan# 3593
Delta R.T. 0.007 min
Lab File: VV031832.D
Acq: 17 Aug 2023 15:36



Tgt Ion:180 Resp: 906
Ion Ratio Lower Upper
180 100
182 34.0 76.3 114.5#
184 21.1 23.7 35.5#
145 26.7 25.8 38.8





#70

1,2,4-trichlorobenzene

Concen: 0.228 ug/L

RT: 13.204 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031832.D

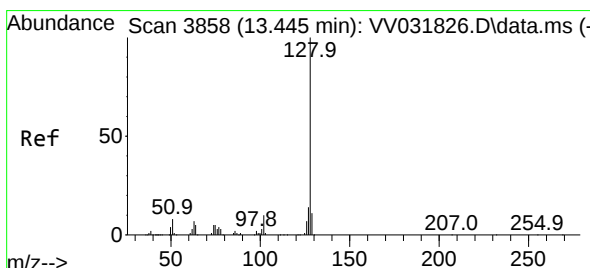
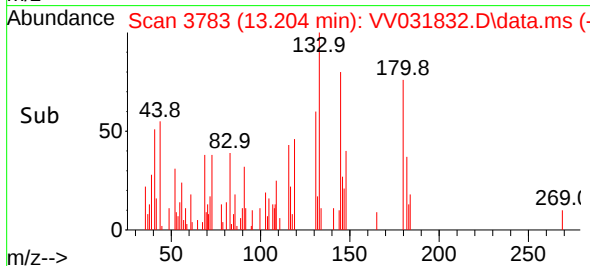
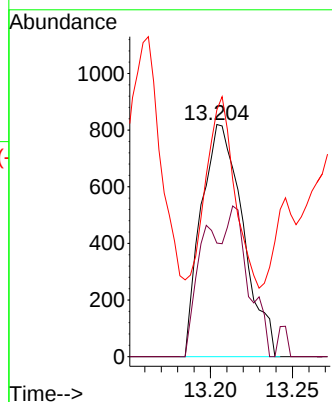
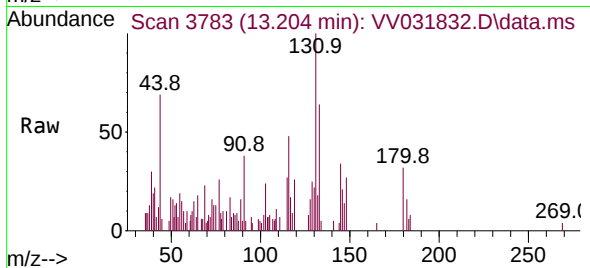
Acq: 17 Aug 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180	Resp:	1448
Ion Ratio	Lower	Upper
180	100	
182	35.1	75.2 112.8#
145	65.3	25.0 37.4#



#71

Naphthalene

Concen: 16.888 ug/L

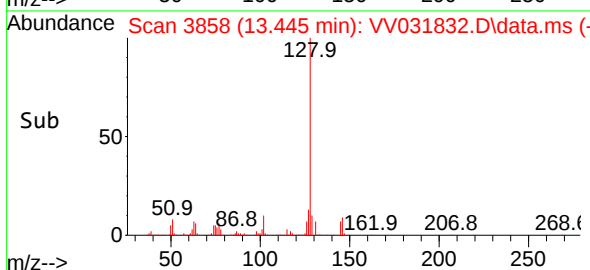
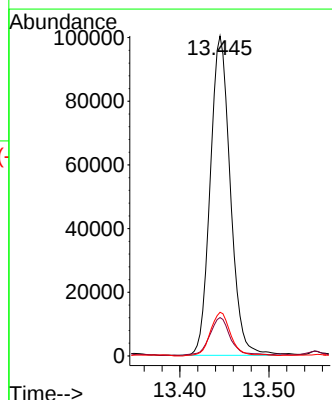
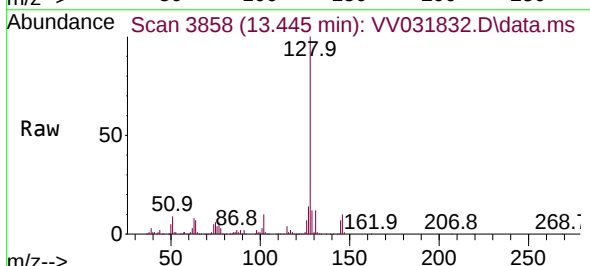
RT: 13.445 min Scan# 3858

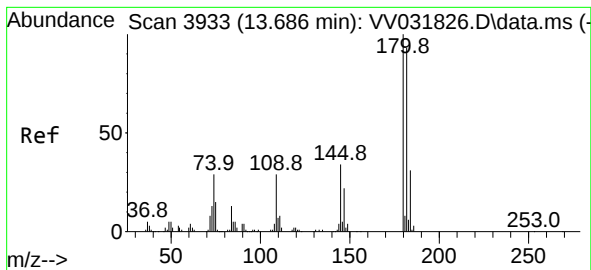
Delta R.T. 0.000 min

Lab File: VV031832.D

Acq: 17 Aug 2023 15:36

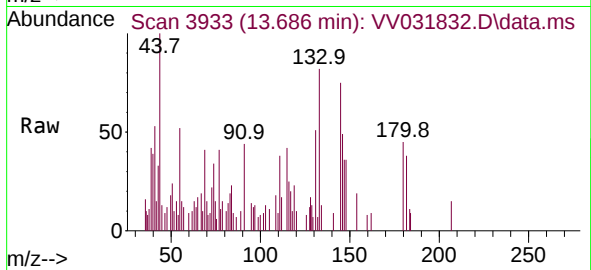
Tgt Ion:128	Resp:	157151
Ion Ratio	Lower	Upper
128	100	
129	12.2	8.6 12.8
127	14.0	11.0 16.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.148 ug/L
 RT: 13.686 min Scan# 3933
 Delta R.T. 0.000 min
 Lab File: VV031832.D
 Acq: 17 Aug 2023 15:36

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 850
 Ion Ratio Lower Upper
 180 100
 182 100.8 75.9 113.9
 145 1489.3 27.6 41.4#

