

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032624\
 Data File : VV034833.D
 Acq On : 26 Mar 2024 17:29
 Operator : SY/MD
 Sample : P1851-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 01:37:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:34:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	52741	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	53439	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	25546	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	58327	114.513	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 229.020%#	
7) Chloroethane-d5	1.532	69	47847	108.153	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 216.300%#	
11) 1,1-Dichloroethene-d2	2.060	65	24195	108.365	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 216.720%#	
21) 2-Butanone-d5	3.796	46	58284	192.940	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	= 192.940%#	
24) Chloroform-d	4.253	84	90260	105.397	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 210.800%#	
26) 1,2-Dichloroethane-d4	4.944	65	58954	108.429	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 216.860%#	
32) Benzene-d6	4.963	84	181023	100.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 201.700%#	
36) 1,2-Dichloropropane-d6	5.989	67	58192	102.089	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 204.180%#	
41) Toluene-d8	7.246	98	154280	95.436	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 190.880%#	
43) trans-1,3-Dichloroprop...	7.561	79	23602	85.172	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 170.340%#	
47) 2-Hexanone-d5	8.031	63	31756	147.351	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 147.350%#	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	77158	98.296	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 196.600%#	
66) 1,2-Dichlorobenzene-d4	11.561	152	56121	97.846	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 195.700%#	

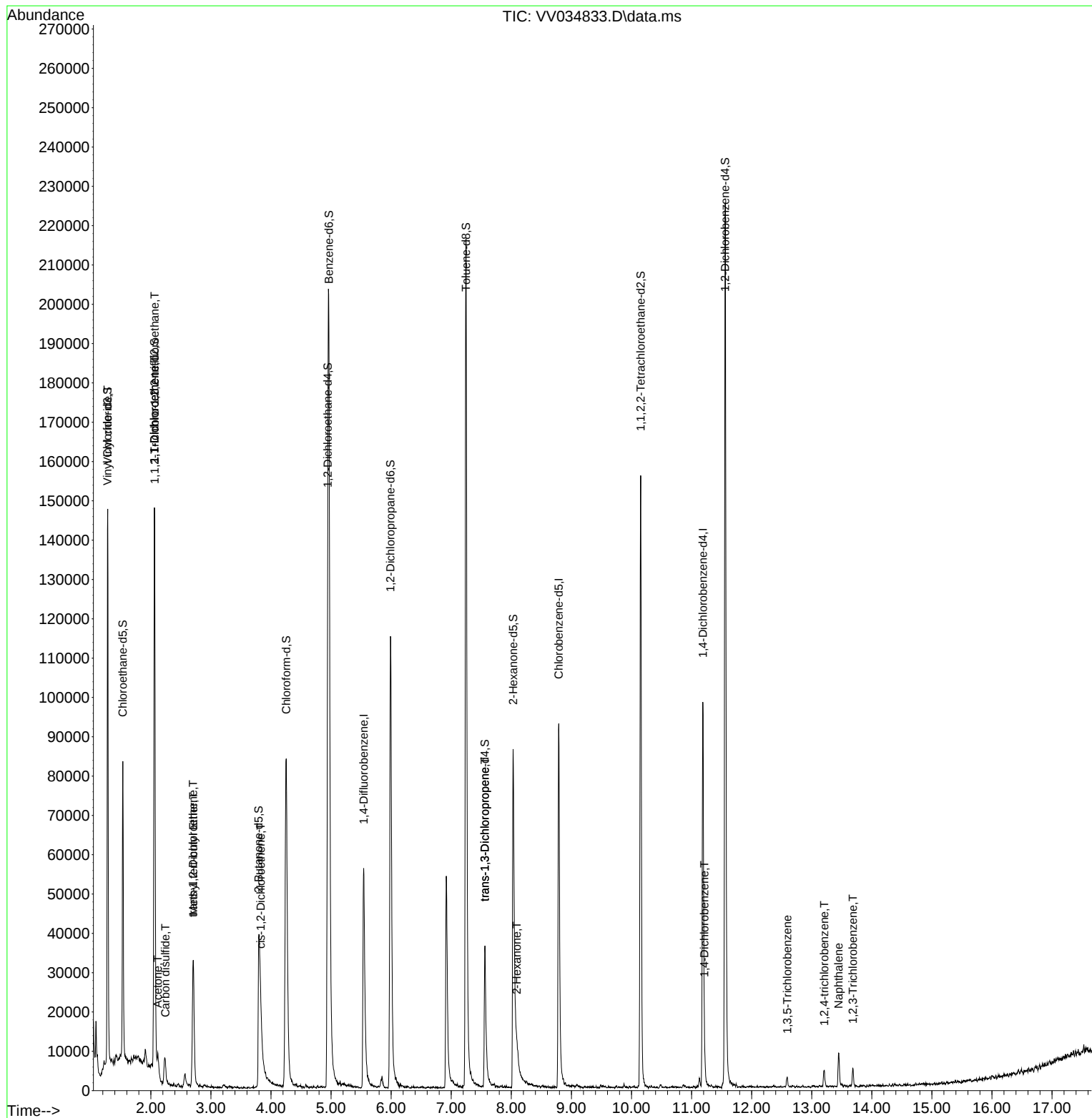
Target Compounds					Qvalue
5) Vinyl chloride	1.282	62	35765	69.423	ug/L 99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	685	1.655	ug/L # 31
12) 1,1-Dichloroethene	2.060	96	732	1.849	ug/L # 1
13) Acetone	2.114	43	3531	12.732	ug/L 90
14) Carbon disulfide	2.243	76	2745	2.463	ug/L 96
17) trans-1,2-Dichloroethene	2.703	96	383	1.001	ug/L 97
18) Methyl tert-butyl Ether	2.706	73	32745	24.361	ug/L 96
20) cis-1,2-Dichloroethene	3.828	96	3952	9.094	ug/L 86
44) trans-1,3-Dichloropropene	7.561	75	970	1.392	ug/L 92
48) 2-Hexanone	8.092	43	3277	6.267	ug/L # 86
65) 1,4-Dichlorobenzene	11.214	146	1300	1.485	ug/L 88
69) 1,3,5-Trichlorobenzene	12.596	180	1095	1.765	ug/L # 90
70) 1,2,4-trichlorobenzene	13.210	180	1737	3.049	ug/L # 92
71) Naphthalene	13.448	128	7665	4.849	ug/L 99
72) 1,2,3-Trichlorobenzene	13.683	180	1529	2.722	ug/L 96

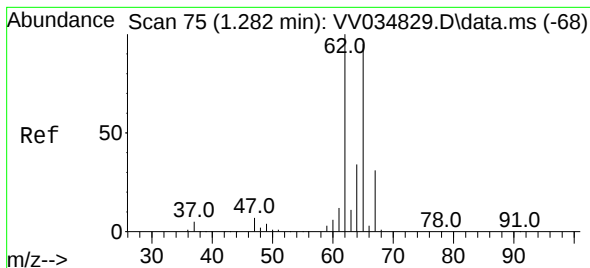
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032624\
Data File : VV034833.D
Acq On : 26 Mar 2024 17:29
Operator : SY/MD
Sample : P1851-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Mar 27 01:37:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 01:34:52 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 69.423 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

Instrument :

MSVOA_V

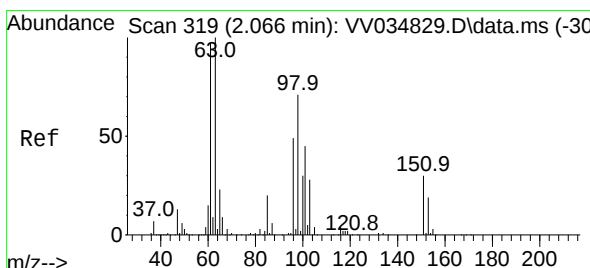
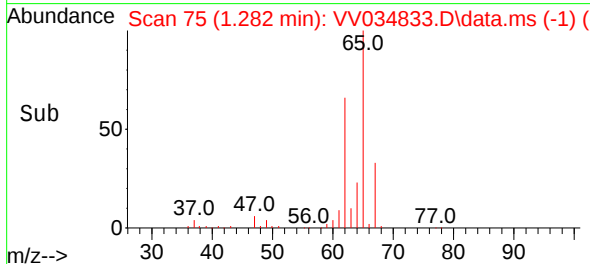
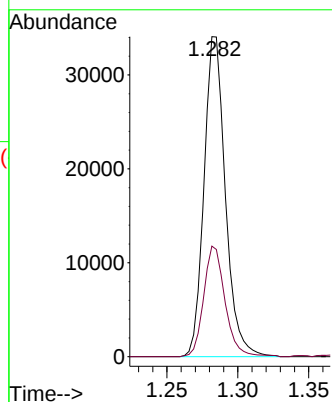
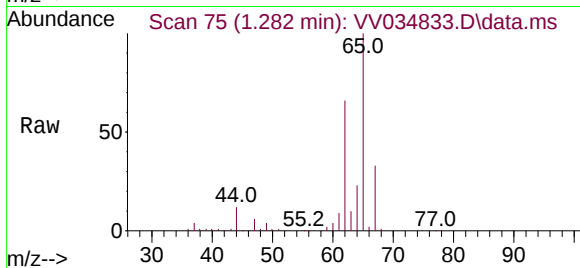
ClientSampleId :

Tgt Ion: 62 Resp: 35765

Ion Ratio Lower Upper

62 100

64 34.5 23.6 43.8



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.655 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

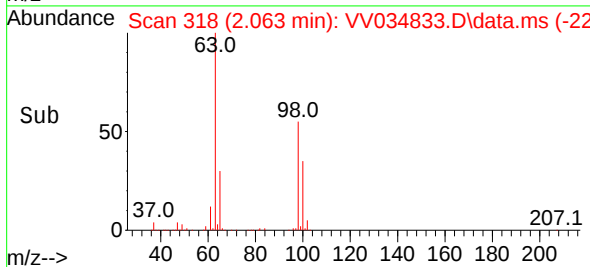
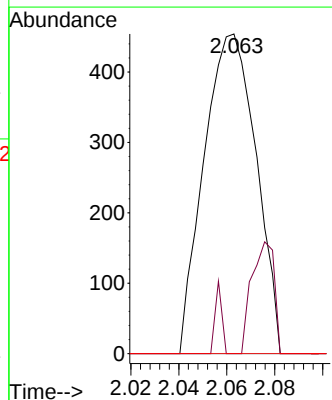
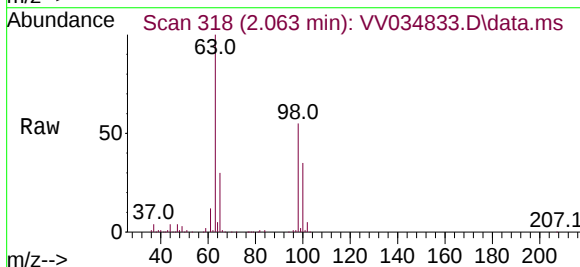
Tgt Ion:101 Resp: 685

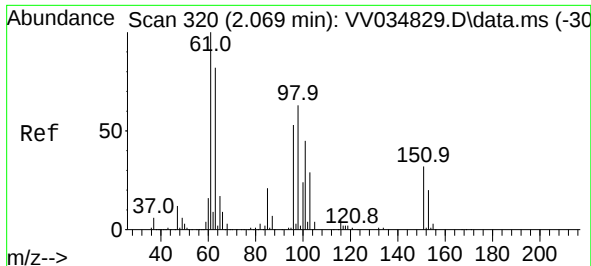
Ion Ratio Lower Upper

101 100

85 15.0 35.3 52.9#

151 0.0 55.0 82.4#





#12

1,1-Dichloroethene

Concen: 1.849 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.010 min

Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

Instrument :

MSVOA_V

ClientSampleId :

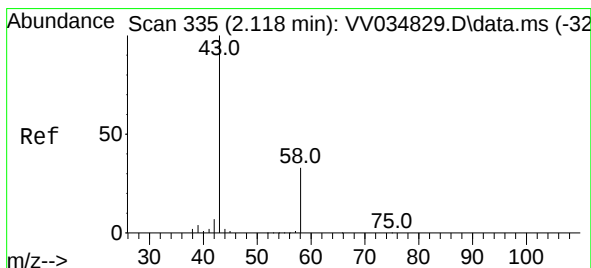
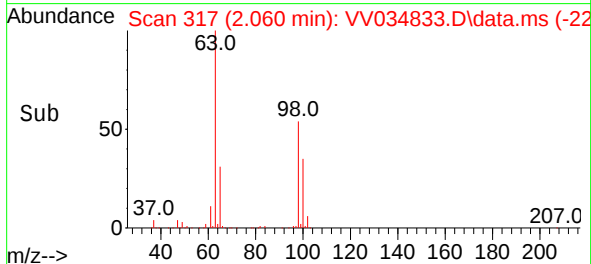
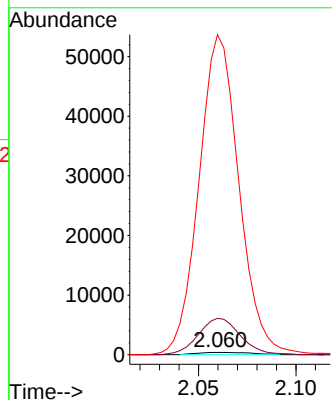
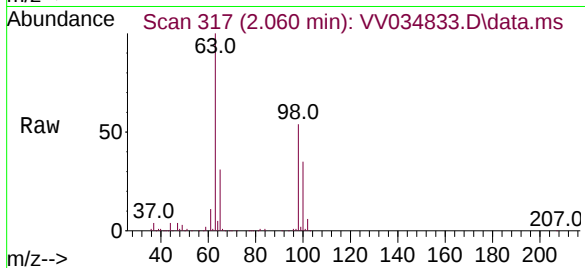
Tgt Ion: 96 Resp: 732

Ion Ratio Lower Upper

96 100

61 1615.3 131.5 244.3#

63 14203.2 111.4 206.8#



#13

Acetone

Concen: 12.732 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.003 min

Lab File: VV034833.D

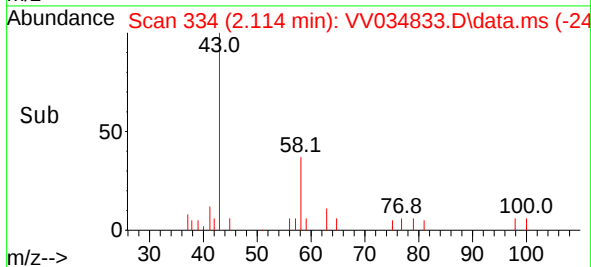
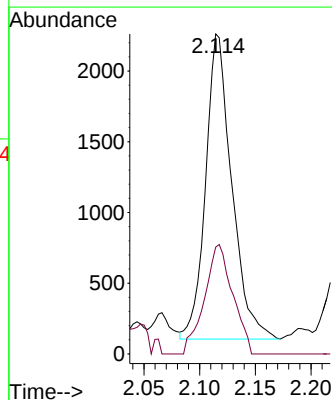
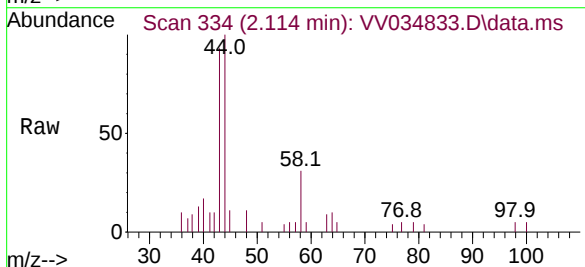
Acq: 26 Mar 2024 17:29

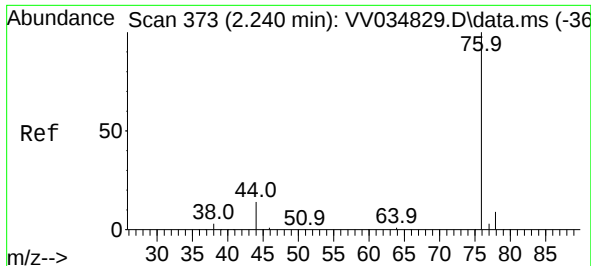
Tgt Ion: 43 Resp: 3531

Ion Ratio Lower Upper

43 100

58 38.7 0.0 66.0

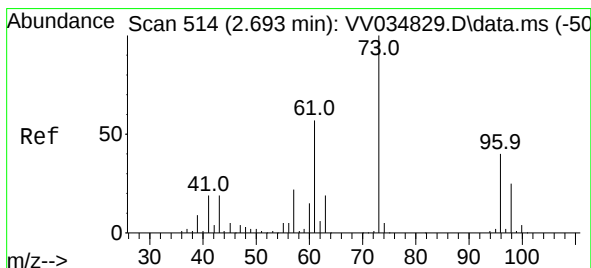
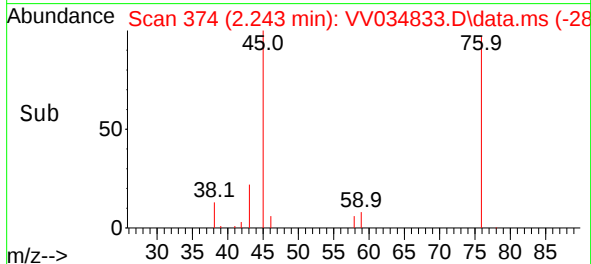
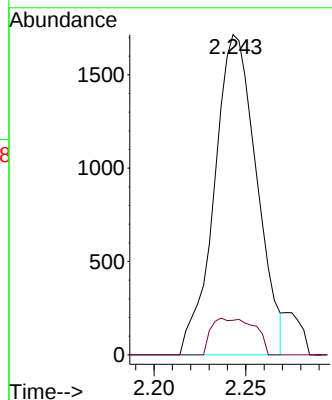
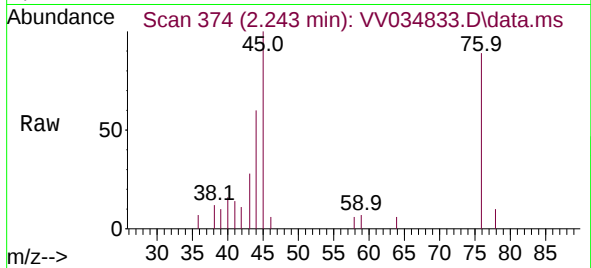




#14
Carbon disulfide
Concen: 2.463 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV034833.D
Acq: 26 Mar 2024 17:29

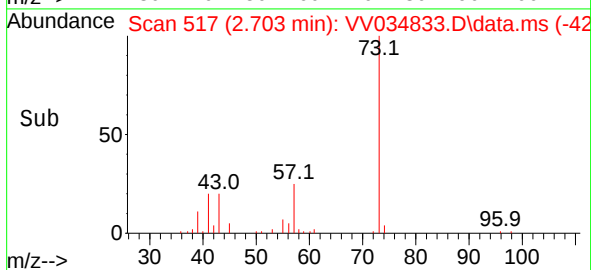
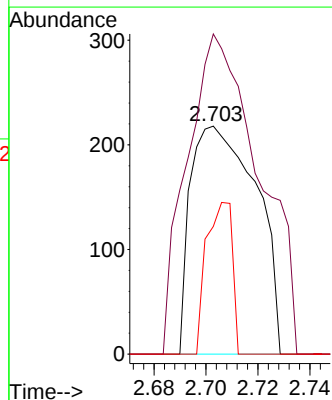
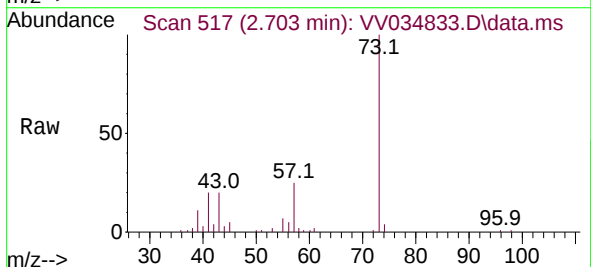
Instrument :
MSVOA_V
ClientSampleId :

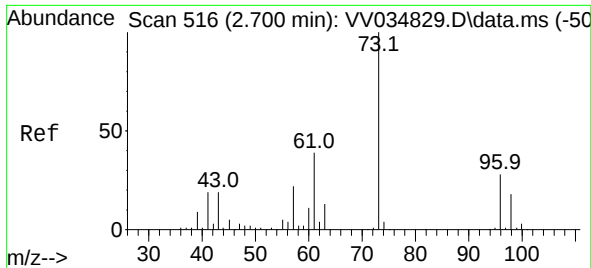
Tgt Ion: 76 Resp: 2745
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0



#17
trans-1,2-Dichloroethene
Concen: 1.001 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.010 min
Lab File: VV034833.D
Acq: 26 Mar 2024 17:29

Tgt Ion: 96 Resp: 383
Ion Ratio Lower Upper
96 100
61 140.4 99.0 183.8
98 56.0 44.3 82.3

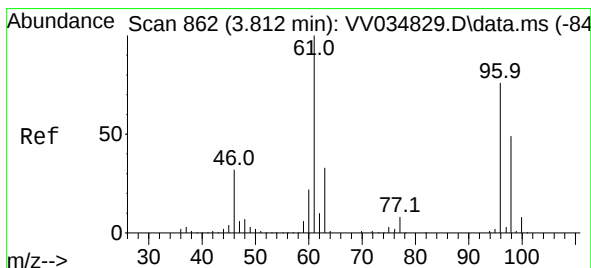
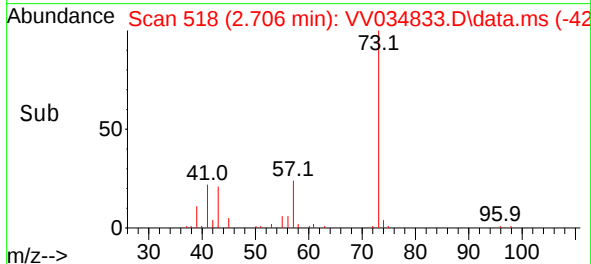
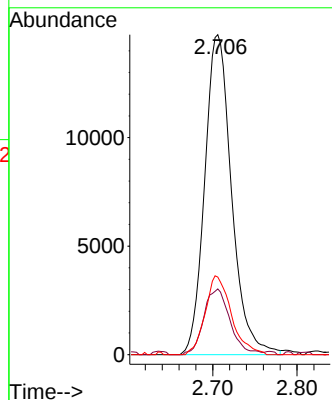
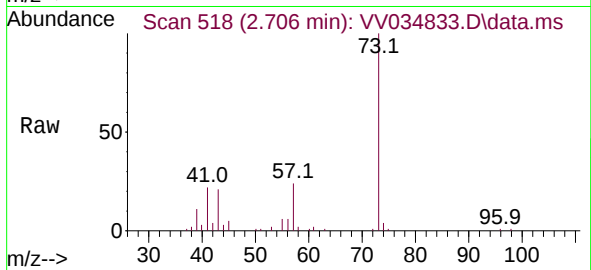




#18
Methyl tert-butyl Ether
Concen: 24.361 ug/L
RT: 2.706 min Scan# 516
Delta R.T. 0.006 min
Lab File: VV034833.D
Acq: 26 Mar 2024 17:29

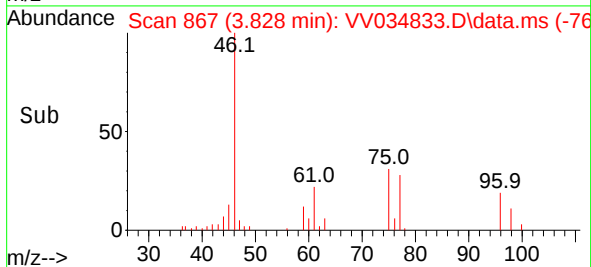
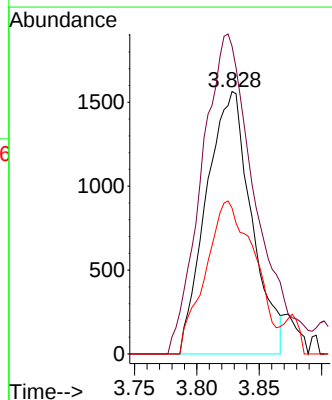
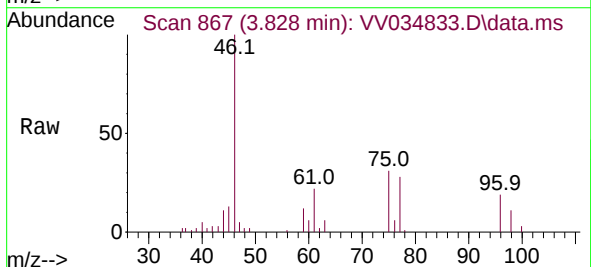
Instrument :
MSVOA_V
ClientSampleId :

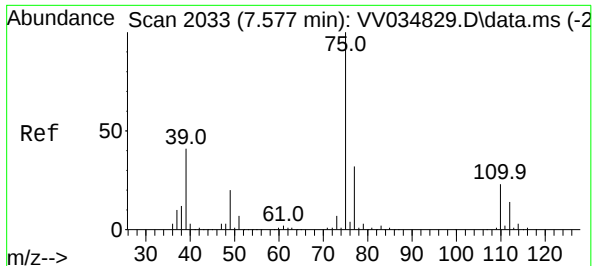
Tgt Ion: 73 Resp: 32745
Ion Ratio Lower Upper
73 100
43 19.8 14.6 21.8
57 24.0 17.6 26.4



#20
cis-1,2-Dichloroethene
Concen: 9.094 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.016 min
Lab File: VV034833.D
Acq: 26 Mar 2024 17:29

Tgt Ion: 96 Resp: 3952
Ion Ratio Lower Upper
96 100
61 117.3 94.9 176.3
98 55.6 45.6 84.8





#44

trans-1,3-Dichloropropene

Concen: 1.392 ug/L

RT: 7.561 min Scan# 2033

Delta R.T. -0.016 min

Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

Instrument :

MSVOA_V

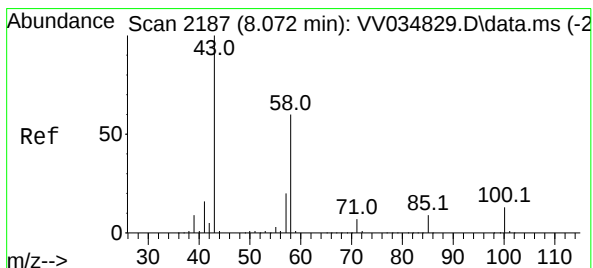
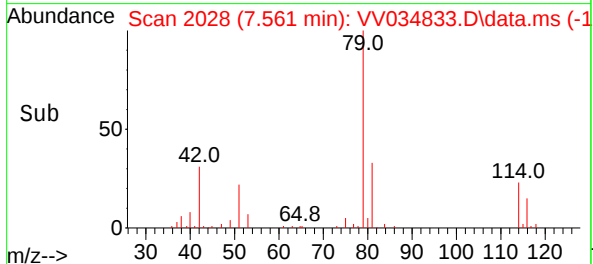
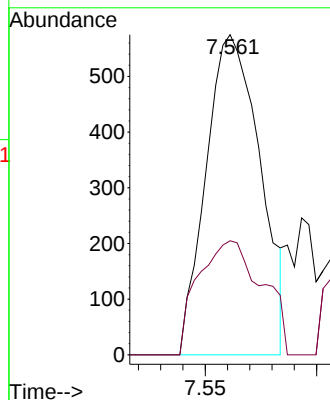
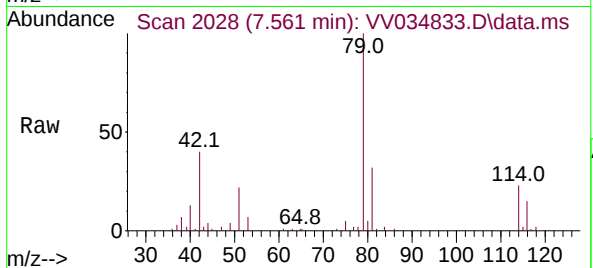
ClientSampleId :

Tgt Ion: 75 Resp: 970

Ion Ratio Lower Upper

75 100

77 35.7 21.7 40.3



#48

2-Hexanone

Concen: 6.267 ug/L

RT: 8.092 min Scan# 2193

Delta R.T. 0.019 min

Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

Tgt Ion: 43 Resp: 3277

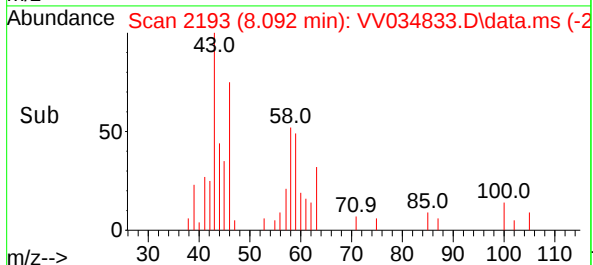
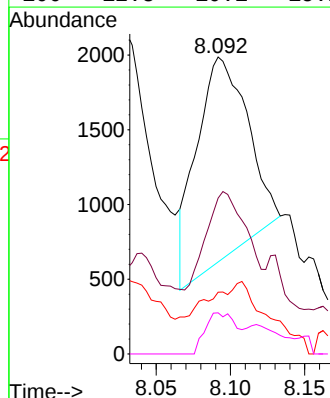
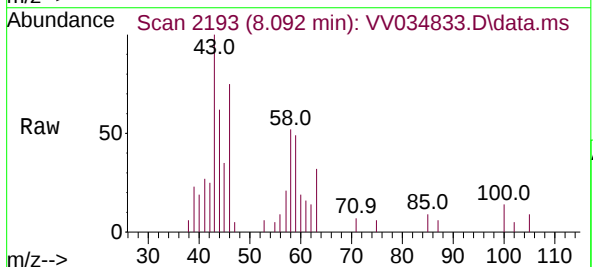
Ion Ratio Lower Upper

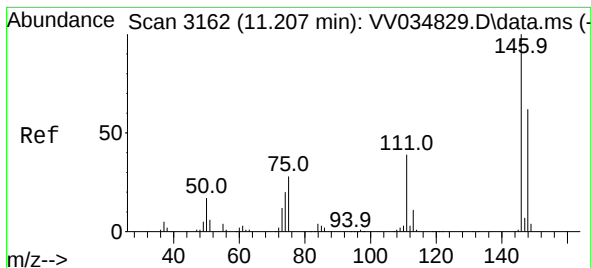
43 100

58 62.9 45.4 68.2

57 2.8 16.2 24.4#

100 12.3 10.1 15.1





#65

1,4-Dichlorobenzene

Concen: 1.485 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.006 min

Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

Instrument :

MSVOA_V

ClientSampleId :

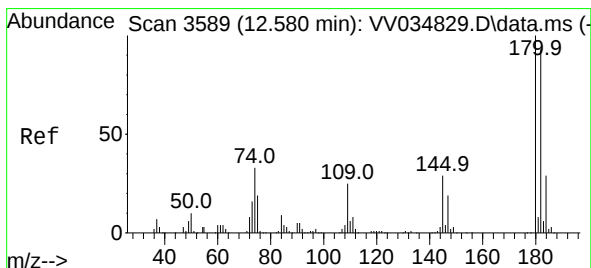
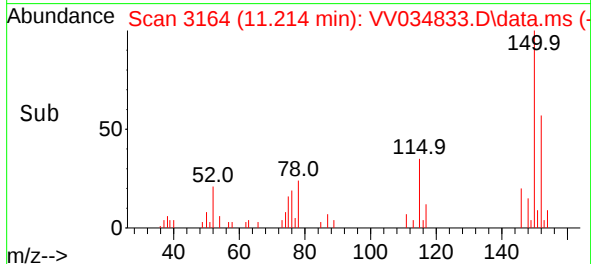
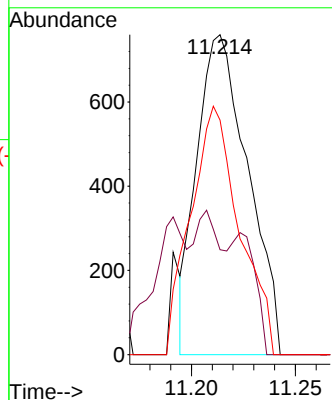
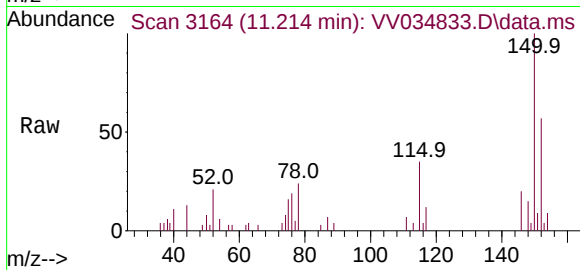
Tgt Ion:146 Resp: 1300

Ion Ratio Lower Upper

146 100

111 32.8 27.4 50.8

148 73.3 44.2 82.2



#69

1,3,5-Trichlorobenzene

Concen: 1.765 ug/L

RT: 12.596 min Scan# 3594

Delta R.T. 0.016 min

Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

Tgt Ion:180 Resp: 1095

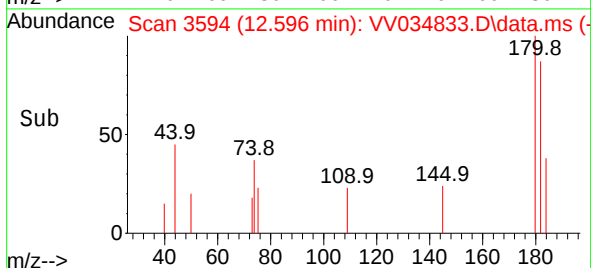
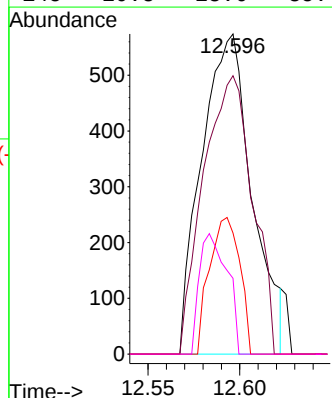
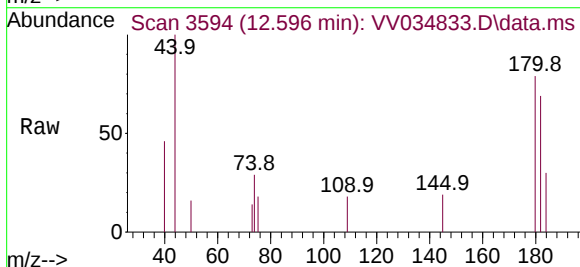
Ion Ratio Lower Upper

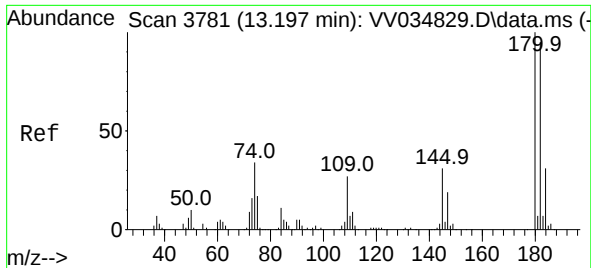
180 100

182 84.7 74.7 112.1

184 25.6 24.0 36.0

145 20.8 23.6 35.4#





#70

1,2,4-trichlorobenzene

Concen: 3.049 ug/L

RT: 13.210 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

Instrument :

MSVOA_V

ClientSampleId :

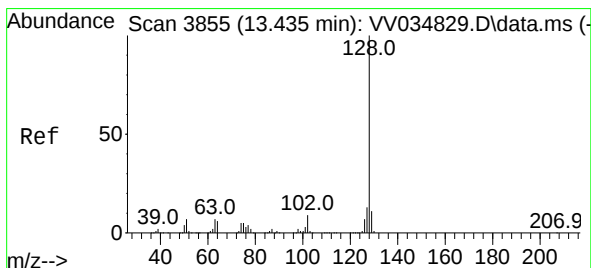
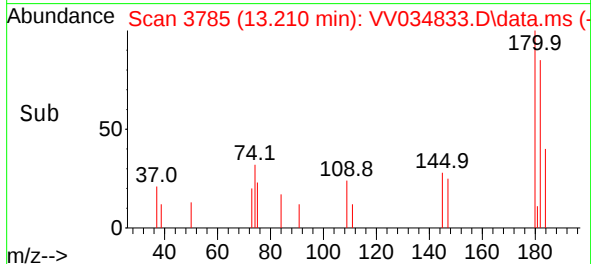
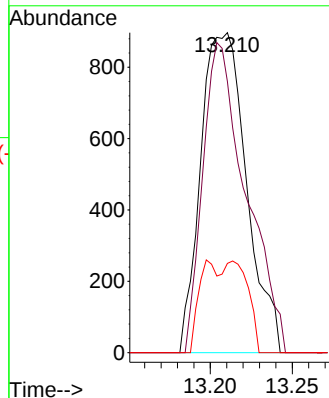
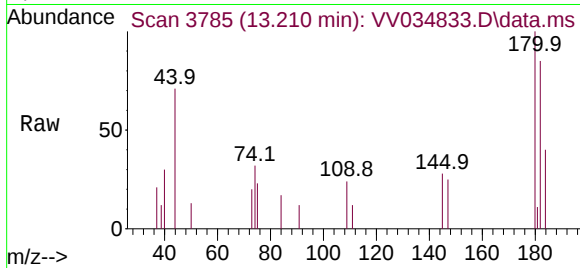
Tgt Ion:180 Resp: 1737

Ion Ratio Lower Upper

180 100

182 91.6 75.6 113.4

145 16.6 24.1 36.1#



#71

Naphthalene

Concen: 4.849 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.013 min

Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

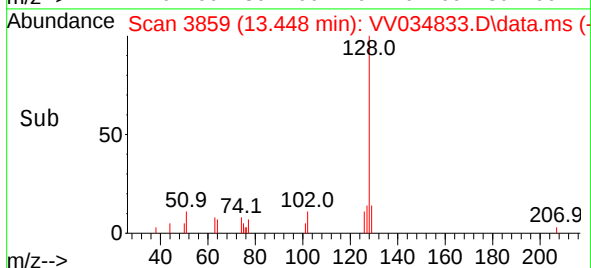
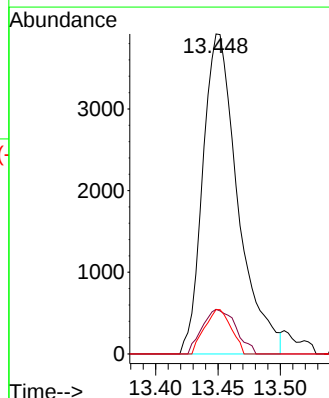
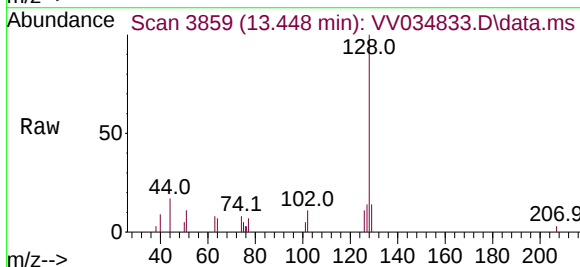
Tgt Ion:128 Resp: 7665

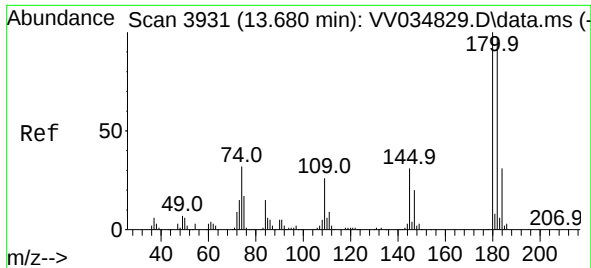
Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.4 8.7 13.1





#72

1,2,3-Trichlorobenzene

Concen: 2.722 ug/L

RT: 13.683 min Scan# 3931

Delta R.T. 0.003 min

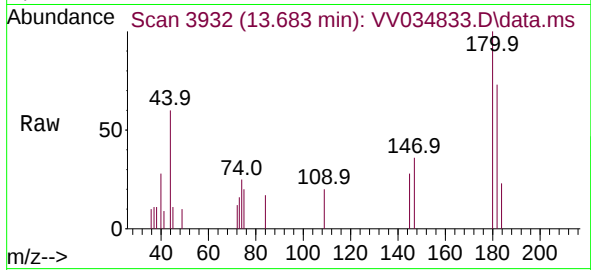
Lab File: VV034833.D

Acq: 26 Mar 2024 17:29

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 1529

Ion Ratio Lower Upper

180 100

182 92.5 76.2 114.2

145 28.4 25.8 38.6

