

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072324\
 Data File : VW036653.D
 Acq On : 23 Jul 2024 17:49
 Operator : SY/MD
 Sample : P3276-11
 Misc : 7.62g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 24 01:02:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 24 00:57:38 2024
 Response via : Initial Calibration

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

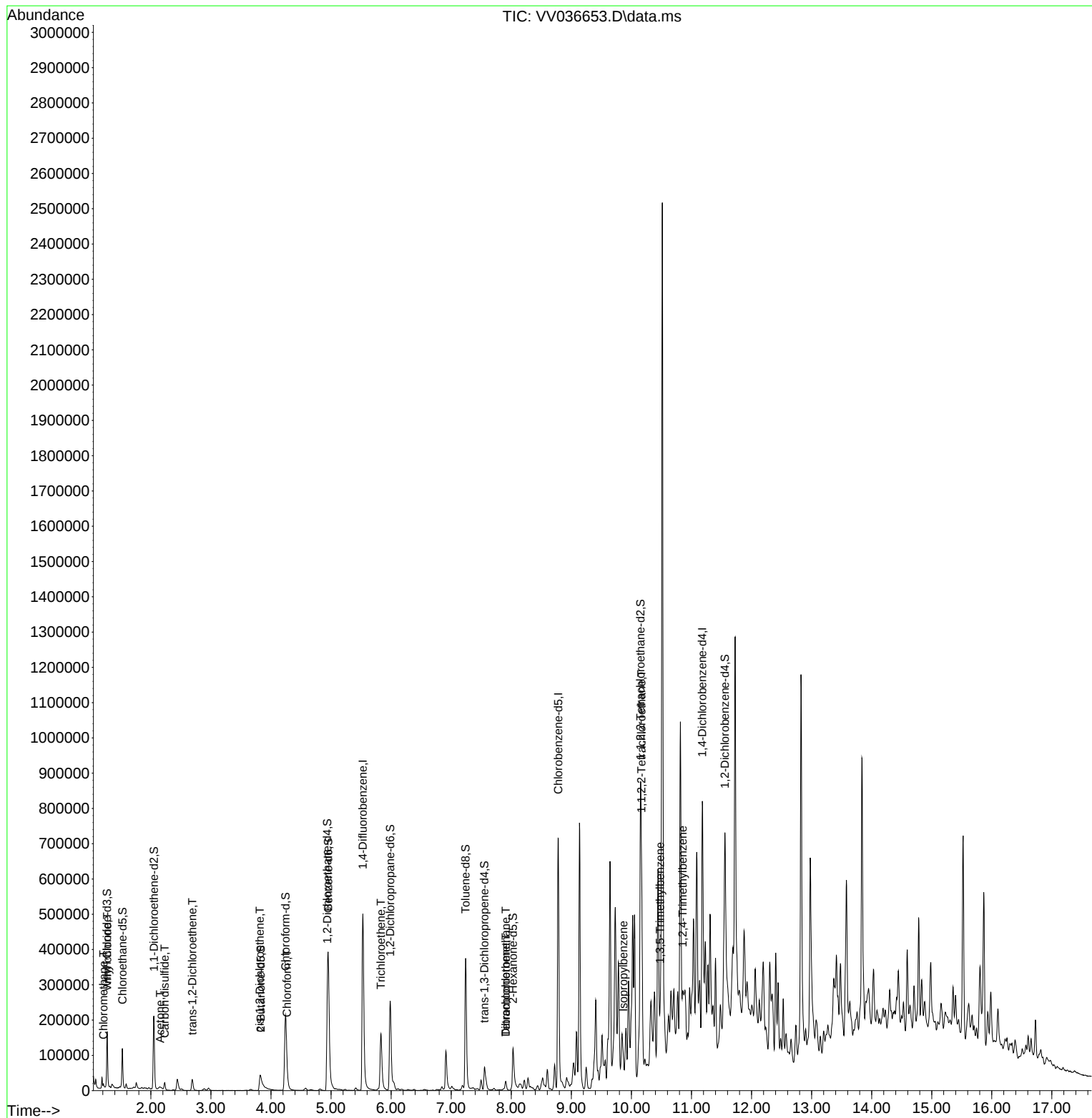
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	477096	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	435592	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	160418	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	63868	12.223	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	48.880%
7) Chloroethane-d5	1.526	69	72774	15.420	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.680%
11) 1,1-Dichloroethene-d2	2.050	65	32446	11.743	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	46.960%
21) 2-Butanone-d5	3.831	46	54401	44.610	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.220%
24) Chloroform-d	4.243	84	242271	19.200	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.800%
26) 1,2-Dichloroethane-d4	4.937	65	131107	21.062	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.240%
32) Benzene-d6	4.953	84	348948	16.903	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	67.600%
36) 1,2-Dichloropropane-d6	5.986	67	124256	21.123	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.480%
41) Toluene-d8	7.240	98	273101	13.862	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	55.440%
43) trans-1,3-Dichloroprop...	7.555	79	43390	16.593	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.360%
47) 2-Hexanone-d5	8.030	63	45536	58.168	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.340%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	151107	29.473	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.880%
66) 1,2-Dichlorobenzene-d4	11.558	152	119694	21.374	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.480%
Target Compounds						Qvalue
3) Chloromethane	1.211	50	6031	0.969	ug/L	99
5) Vinyl chloride	1.275	62	32455	4.216	ug/L	94
13) Acetone	2.153	43	22650	11.434	ug/L	98
14) Carbon disulfide	2.230	76	23012	1.126	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	12778	1.719	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	17379	2.239	ug/L	99
25) Chloroform	4.269	83	6999	0.497	ug/L	92
34) Trichloroethene	5.831	95	54960	6.789	ug/L	97
46) Tetrachloroethene	7.908	164	5785	0.720	ug/L	98
49) Dibromochloromethane	7.908	129	4922	0.704	ug/L #	11
57) 1,1,2,2-Tetrachloroethane	10.169	83	45554	9.055	ug/L #	44
60) Isopropylbenzene	9.866	105	13037	0.664	ug/L #	91
62) 1,3,5-Trimethylbenzene	10.477	105	14654	0.957	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	15892	1.025	ug/L	98

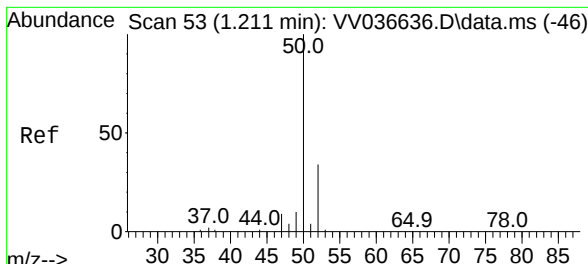
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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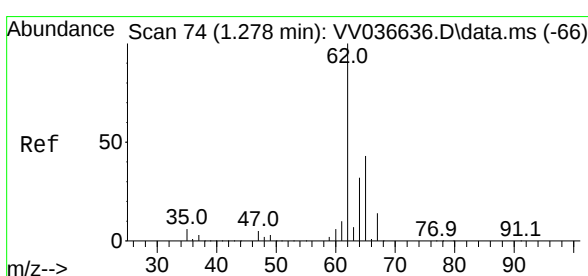
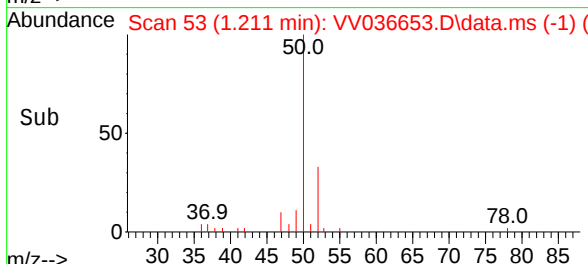
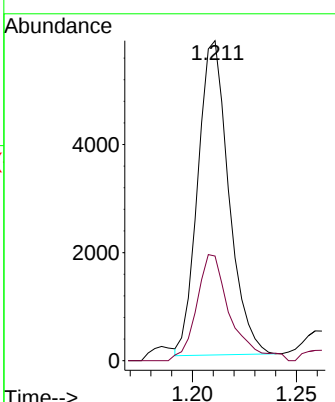
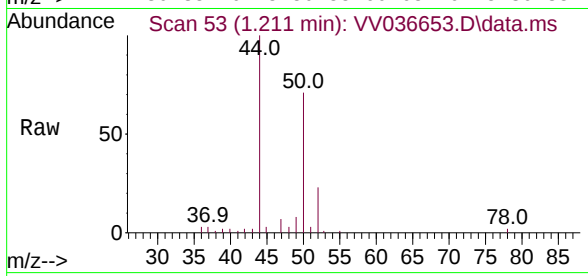


#3
 Chloromethane
 Concen: 0.969 ug/L
 RT: 1.211 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VV036653.D
 Acq: 23 Jul 2024 17:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 50 Resp: 6031

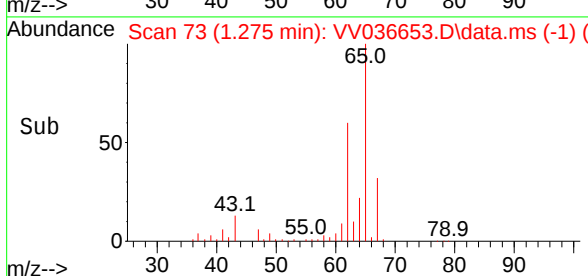
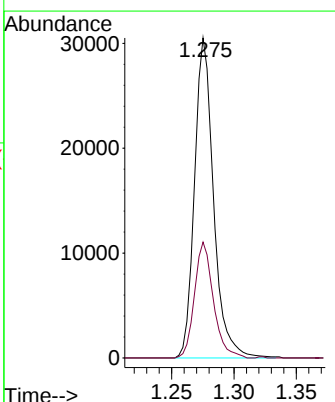
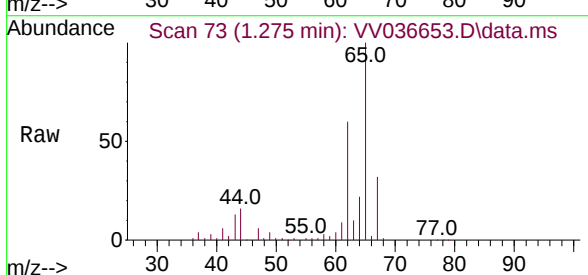
Ion	Ratio	Lower	Upper
50	100		
52	32.7	23.3	43.3

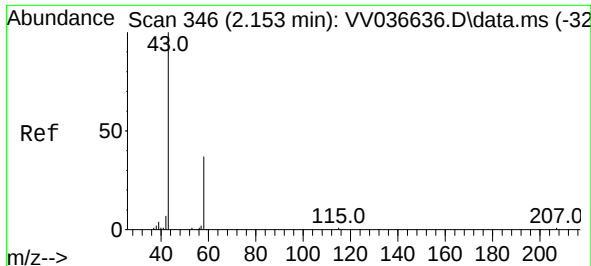


#5
 Vinyl chloride
 Concen: 4.216 ug/L
 RT: 1.275 min Scan# 73
 Delta R.T. -0.003 min
 Lab File: VV036653.D
 Acq: 23 Jul 2024 17:49

Tgt Ion: 62 Resp: 32455

Ion	Ratio	Lower	Upper
62	100		
64	36.2	23.1	42.9





#13

Acetone

Concen: 11.434 ug/L

RT: 2.153 min Scan# 346

Delta R.T. 0.000 min

Lab File: VV036653.D

Acq: 23 Jul 2024 17:49

Instrument :

MSVOA_V

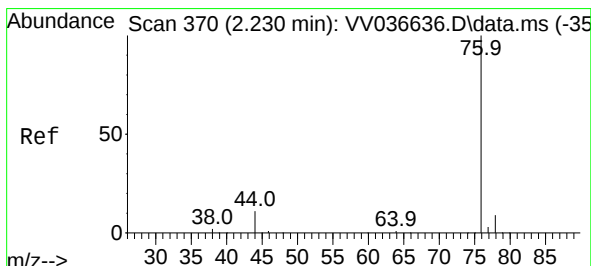
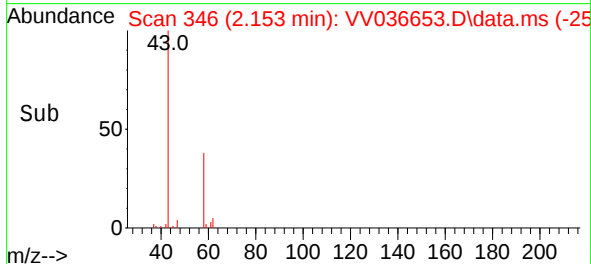
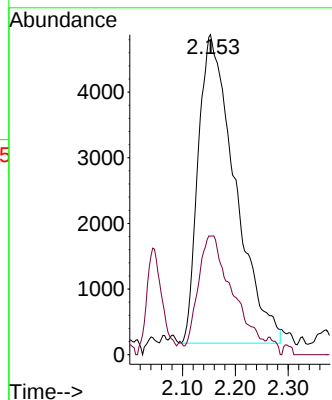
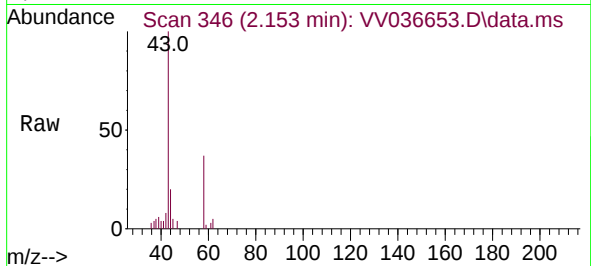
ClientSampleId :

Tgt Ion: 43 Resp: 22650

Ion Ratio Lower Upper

43 100

58 12.1 0.0 23.0



#14

Carbon disulfide

Concen: 1.126 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036653.D

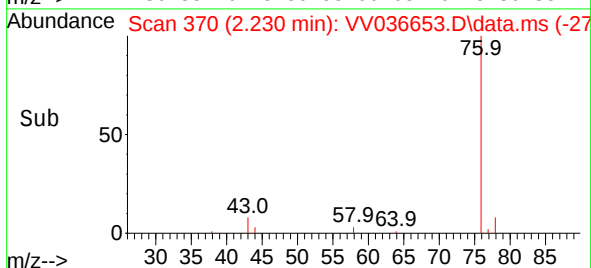
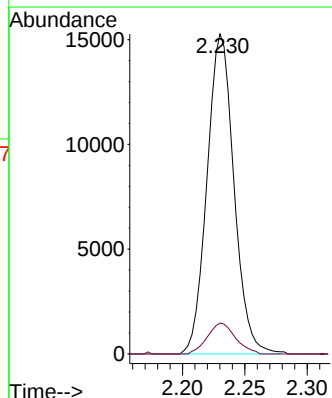
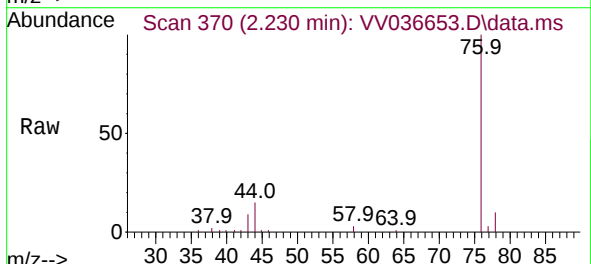
Acq: 23 Jul 2024 17:49

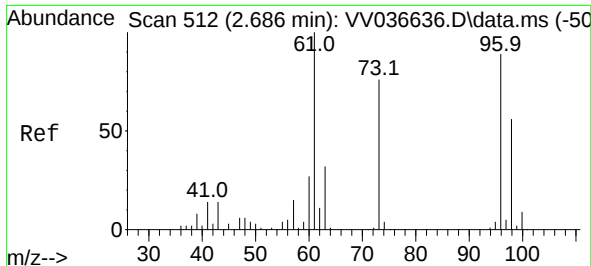
Tgt Ion: 76 Resp: 23012

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3





#17

trans-1,2-Dichloroethene

Concen: 1.719 ug/L

RT: 2.690 min Scan# 512

Delta R.T. 0.003 min

Lab File: VV036653.D

Acq: 23 Jul 2024 17:49

Instrument :

MSVOA_V

ClientSampleId :

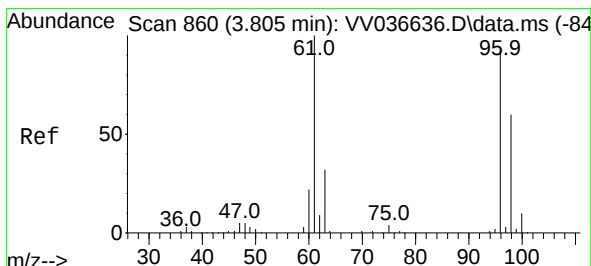
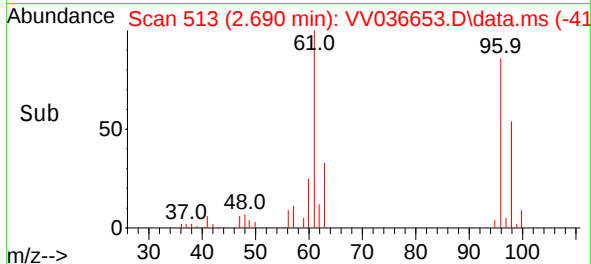
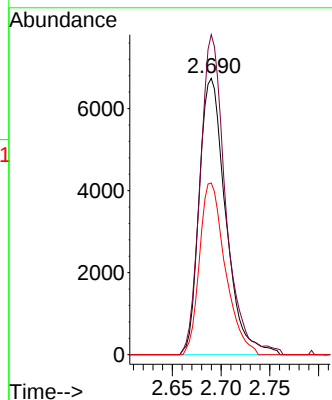
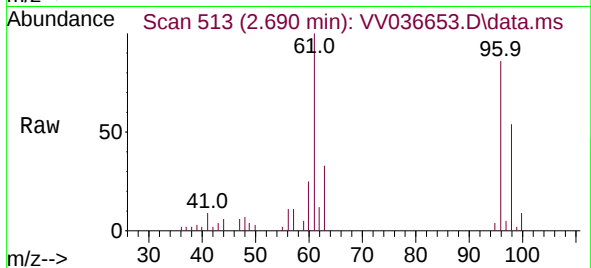
Tgt Ion: 96 Resp: 12778

Ion Ratio Lower Upper

96 100

61 115.8 81.5 151.5

98 62.1 44.3 82.3



#20

cis-1,2-Dichloroethene

Concen: 2.239 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.010 min

Lab File: VV036653.D

Acq: 23 Jul 2024 17:49

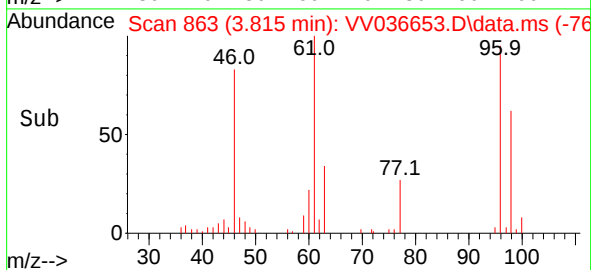
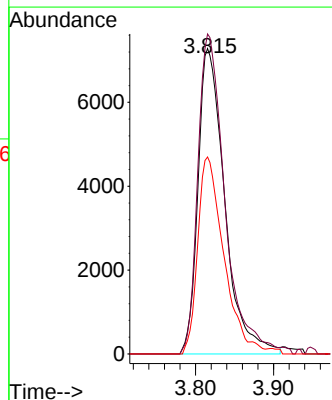
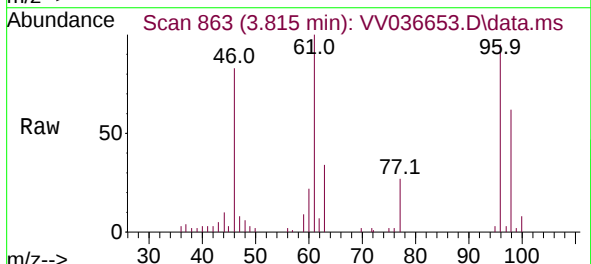
Tgt Ion: 96 Resp: 17379

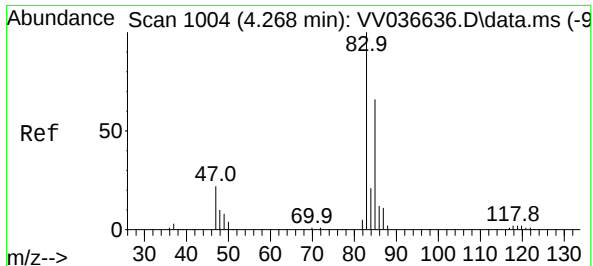
Ion Ratio Lower Upper

96 100

61 104.8 73.0 135.6

98 64.5 44.8 83.2





#25

Chloroform

Concen: 0.497 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036653.D

Acq: 23 Jul 2024 17:49

Instrument :

MSVOA_V

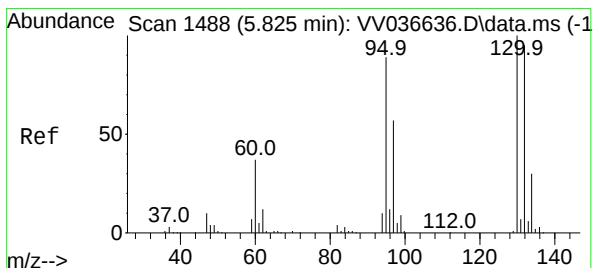
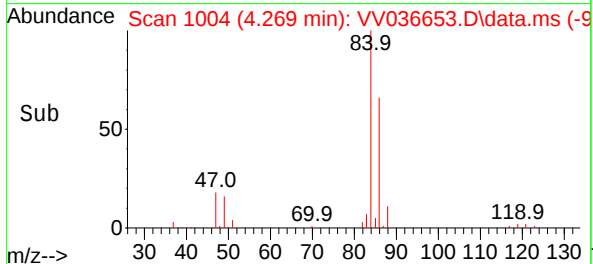
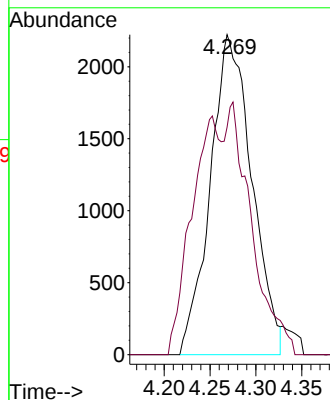
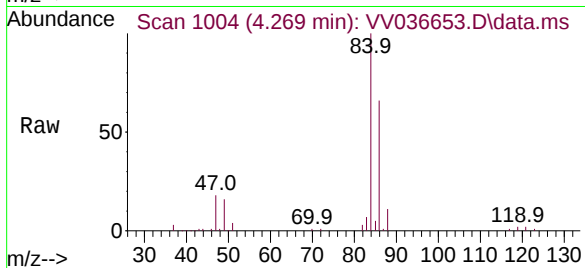
ClientSampleId :

Tgt Ion: 83 Resp: 6999

Ion Ratio Lower Upper

83 100

85 71.1 45.6 84.6



#34

Trichloroethene

Concen: 6.789 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.007 min

Lab File: VV036653.D

Acq: 23 Jul 2024 17:49

Tgt Ion: 95 Resp: 54960

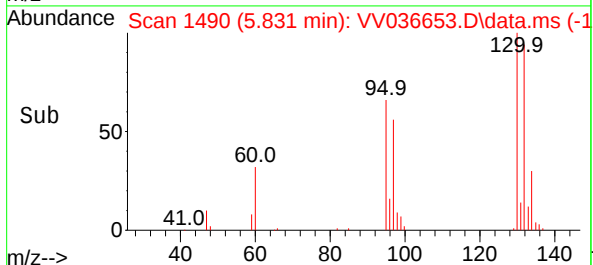
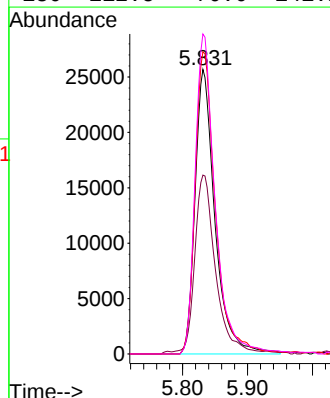
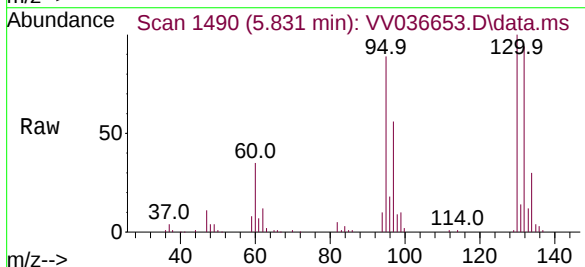
Ion Ratio Lower Upper

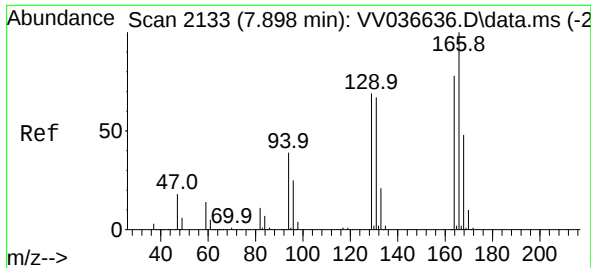
95 100

97 62.9 45.1 83.7

132 106.2 72.7 134.9

130 112.5 76.0 141.2

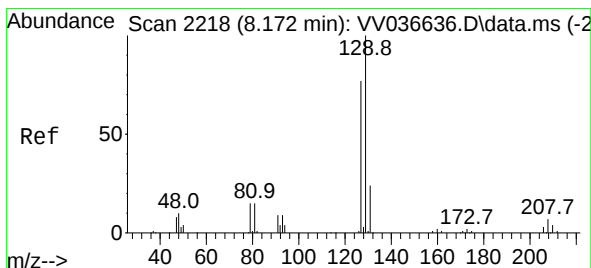
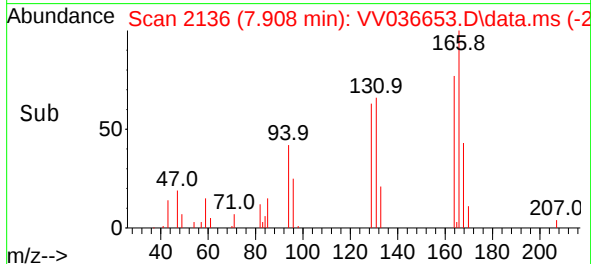
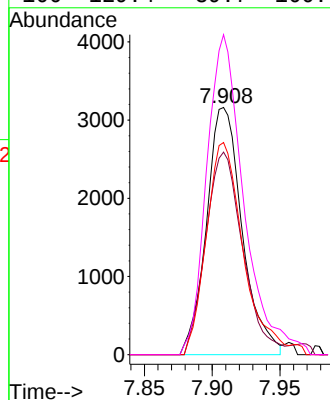
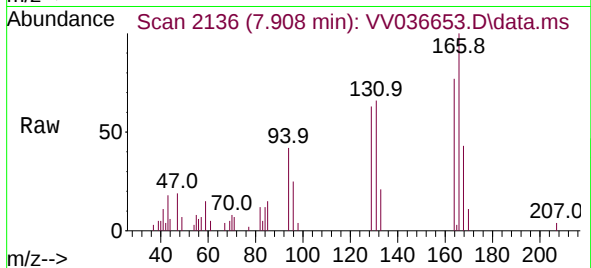




#46
Tetrachloroethene
Concen: 0.720 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.010 min
Lab File: VV036653.D
Acq: 23 Jul 2024 17:49

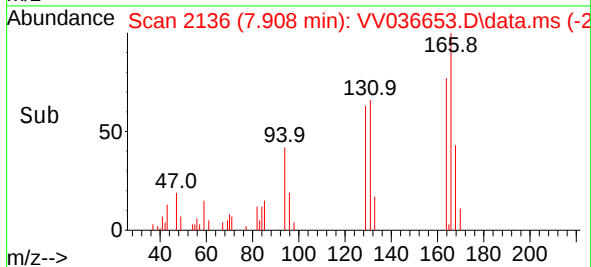
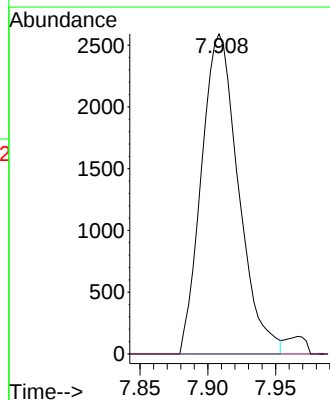
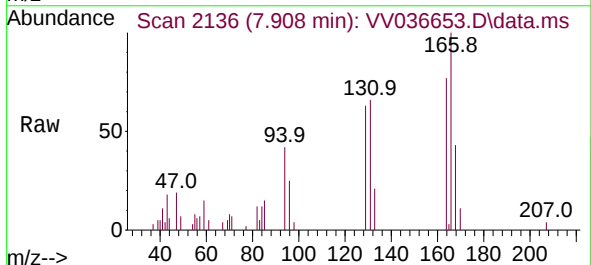
Instrument :
MSVOA_V
ClientSampleId :

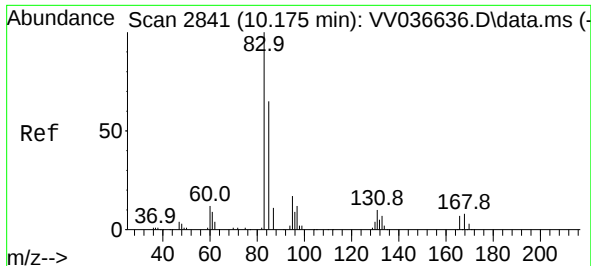
Tgt Ion:	164	Resp:	5785
Ion Ratio	Lower	Upper	
164	100		
129	81.9	61.0	113.2
131	85.8	60.1	111.5
166	129.4	89.7	166.7



#49
Dibromochloromethane
Concen: 0.704 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.263 min
Lab File: VV036653.D
Acq: 23 Jul 2024 17:49

Tgt Ion:	129	Resp:	4922
Ion Ratio	Lower	Upper	
129	100		
127	0.0	54.3	100.9#





#57

1,1,2,2-Tetrachloroethane

Concen: 9.055 ug/L

RT: 10.169 min Scan# 2839

Delta R.T. -0.006 min

Lab File: VV036653.D

Acq: 23 Jul 2024 17:49

Instrument :

MSVOA_V

ClientSampleId :

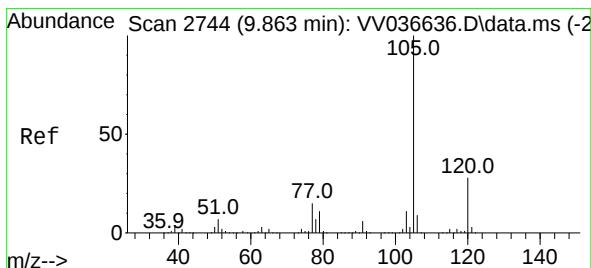
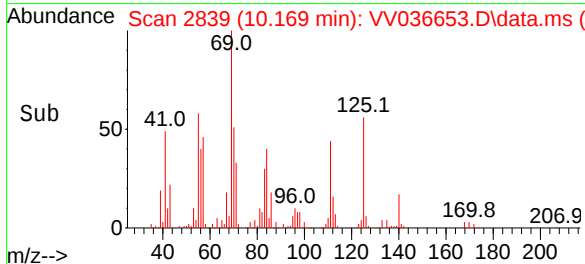
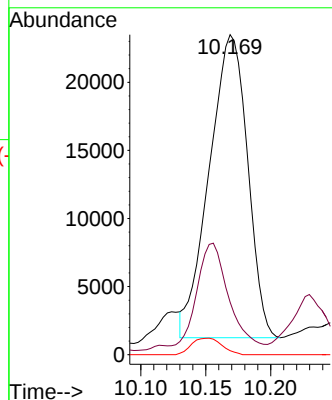
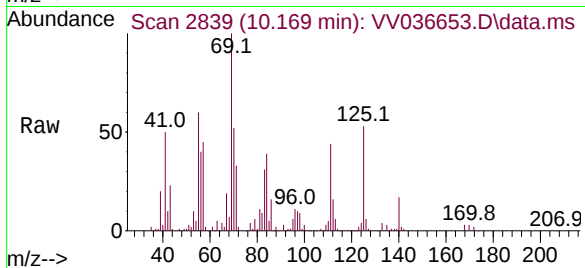
Tgt Ion: 83 Resp: 45554

Ion Ratio Lower Upper

83 100

85 16.4 44.9 83.3#

131 1.3 9.3 13.9#



#60

Isopropylbenzene

Concen: 0.664 ug/L

RT: 9.866 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VV036653.D

Acq: 23 Jul 2024 17:49

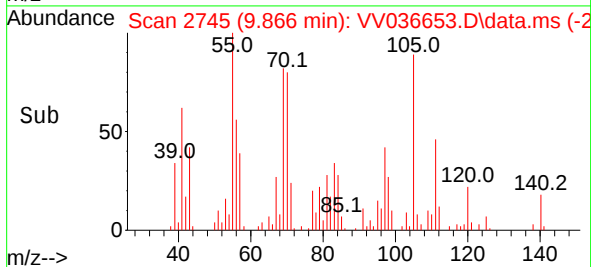
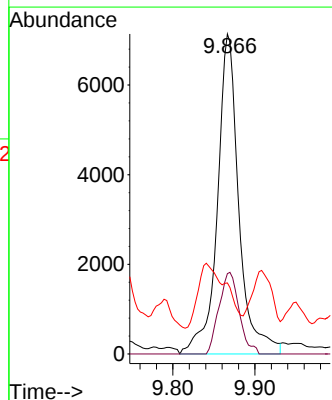
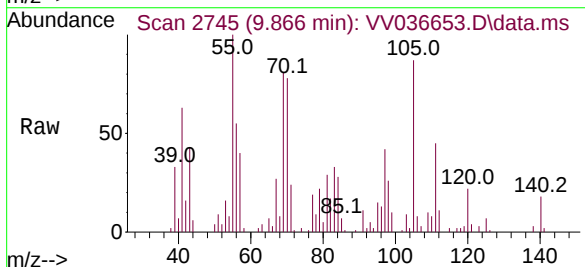
Tgt Ion:105 Resp: 13037

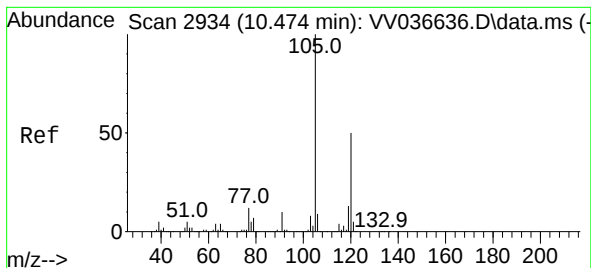
Ion Ratio Lower Upper

105 100

120 23.3 22.1 33.1

77 19.2 11.8 17.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.957 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV036653.D

Acq: 23 Jul 2024 17:49

Instrument :

MSVOA_V

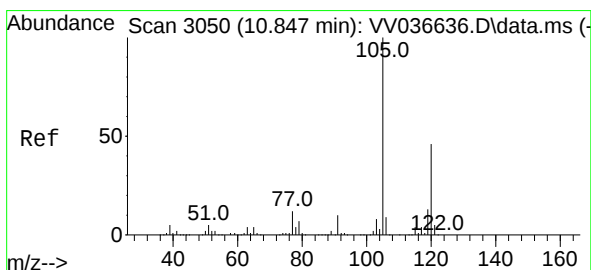
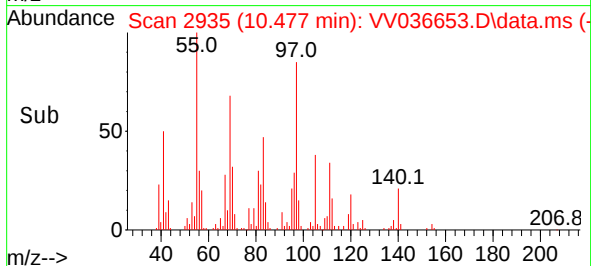
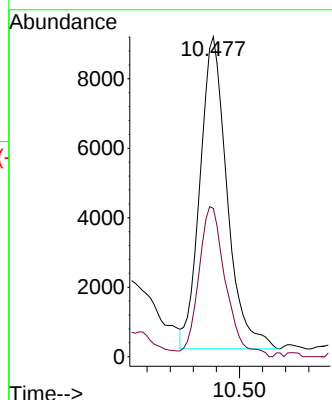
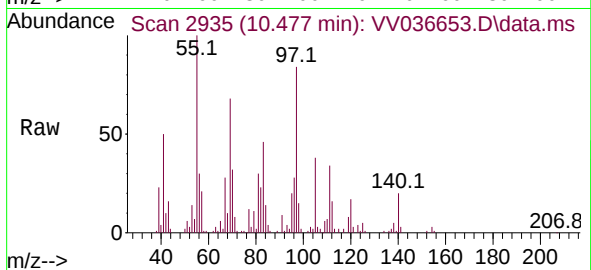
ClientSampleId :

Tgt Ion:105 Resp: 14654

Ion Ratio Lower Upper

105 100

120 47.6 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 1.025 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.007 min

Lab File: VV036653.D

Acq: 23 Jul 2024 17:49

Tgt Ion:105 Resp: 15892

Ion Ratio Lower Upper

105 100

120 45.0 37.2 55.8

