

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072324\
 Data File : VW036649.D
 Acq On : 23 Jul 2024 16:17
 Operator : SY/MD
 Sample : P3276-07
 Misc : 9.44g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 24 01:01:41 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)

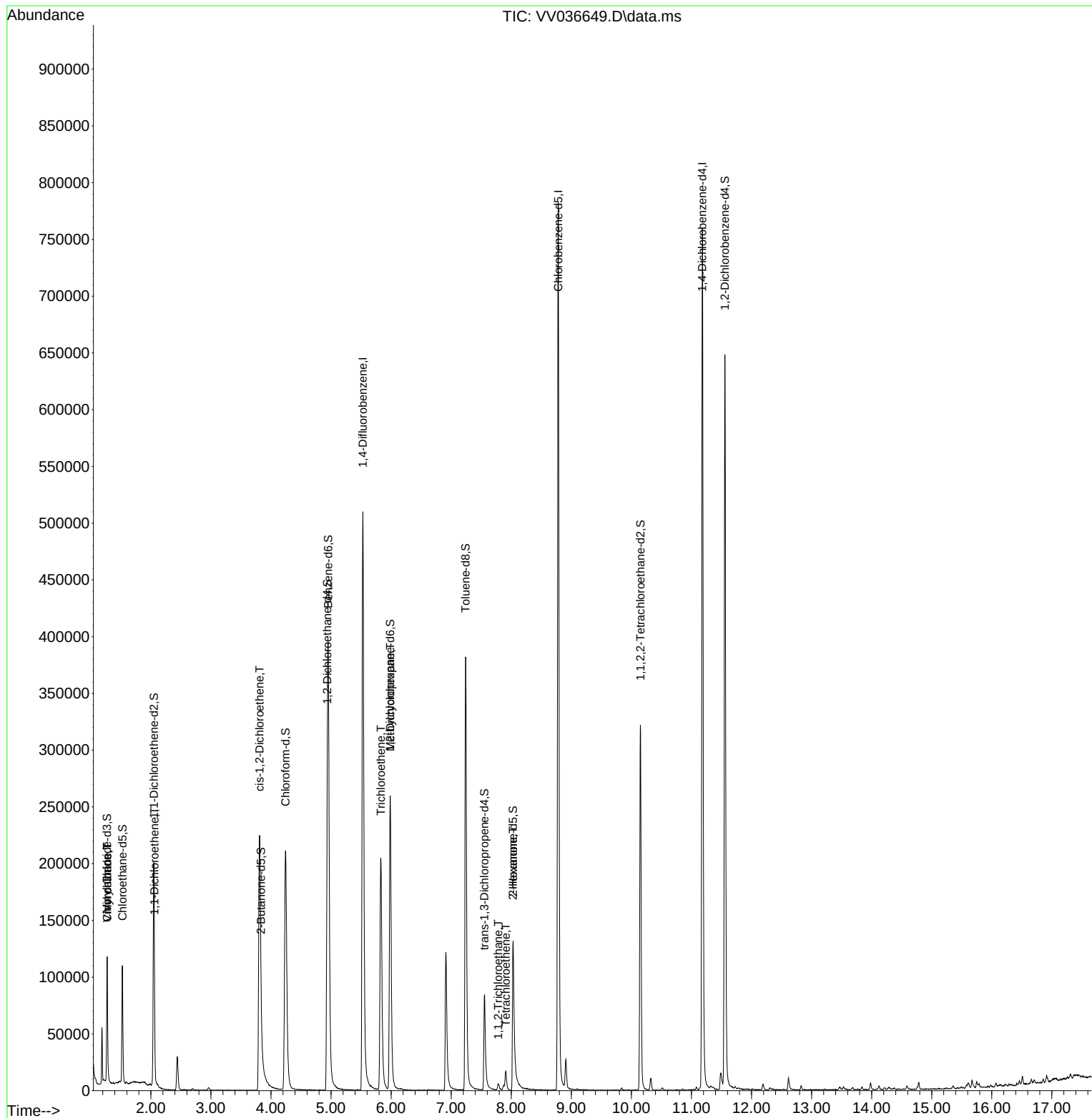
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	489798	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	476145	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	219881	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	61792	11.519	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.080%
7) Chloroethane-d5	1.526	69	68596	14.158	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.640%
11) 1,1-Dichloroethene-d2	2.050	65	31170	10.989	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.960%#
21) 2-Butanone-d5	3.834	46	63278	50.544	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.080%
24) Chloroform-d	4.243	84	238142	18.384	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.520%
26) 1,2-Dichloroethane-d4	4.937	65	138494	21.671	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.680%
32) Benzene-d6	4.953	84	347420	15.395	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	61.600%
36) 1,2-Dichloropropane-d6	5.985	67	124733	19.399	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.600%
41) Toluene-d8	7.239	98	279884	12.996	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	52.000%
43) trans-1,3-Dichloroprop...	7.555	79	56710	19.840	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.360%
47) 2-Hexanone-d5	8.030	63	52637	61.512	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.020%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	151013	26.946	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	11.558	152	183660	23.928	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.720%
Target Compounds						Qvalue
5) Vinyl chloride	1.275	62	12149	1.537	ug/L	92
8) Chloroethane	1.275	64	4565	0.891	ug/L	90
12) 1,1-Dichloroethene	2.060	96	4209	0.557	ug/L #	1
20) cis-1,2-Dichloroethene	3.809	96	132213	16.590	ug/L	99
34) Trichloroethene	5.831	95	67389	7.615	ug/L	97
35) Methylcyclohexane	5.985	83	35276	2.994	ug/L #	23
45) 1,1,2-Trichloroethane	7.783	97	2612	0.430	ug/L	88
46) Tetrachloroethene	7.908	164	4502	0.513	ug/L	98
48) 2-Hexanone	8.027	43	5728	2.514	ug/L #	70

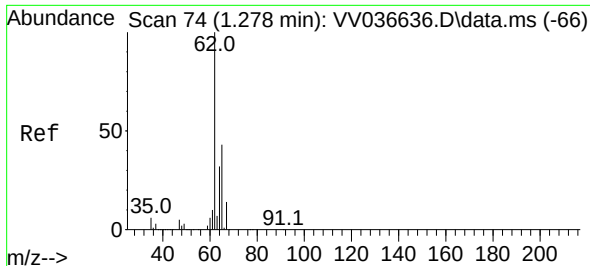
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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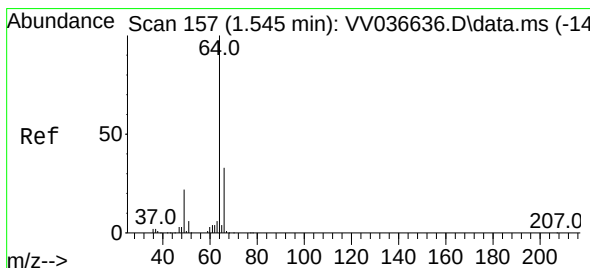
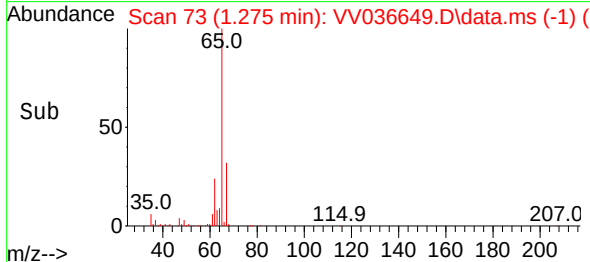
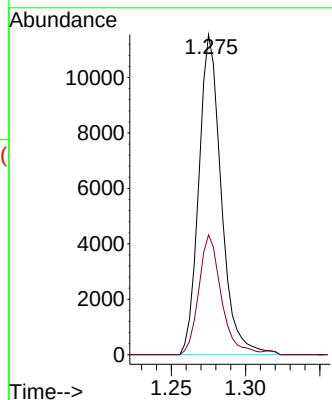
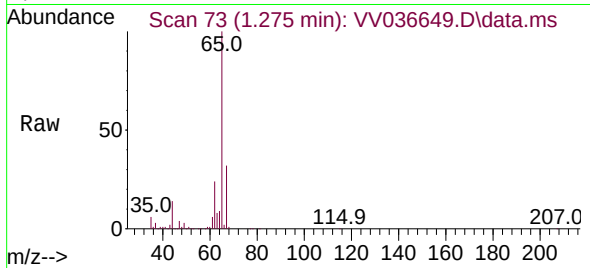




#5
 Vinyl chloride
 Concen: 1.537 ug/L
 RT: 1.275 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV036649.D
 Acq: 23 Jul 2024 16:17

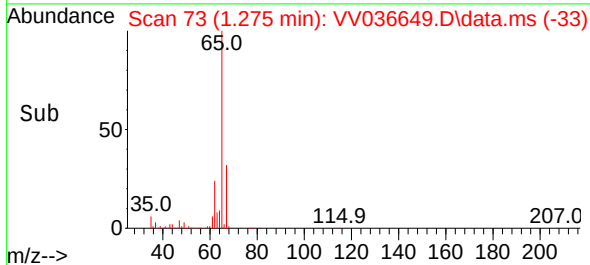
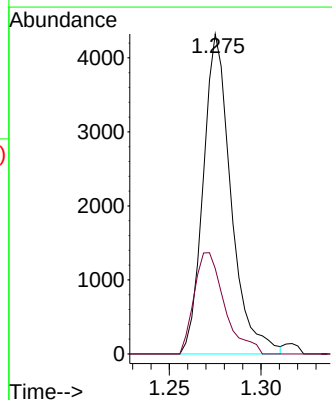
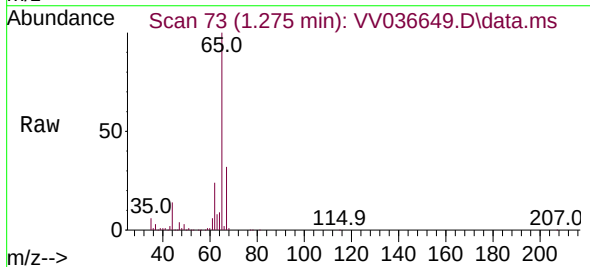
Instrument :
 MSVOA_V
 ClientSampleId :

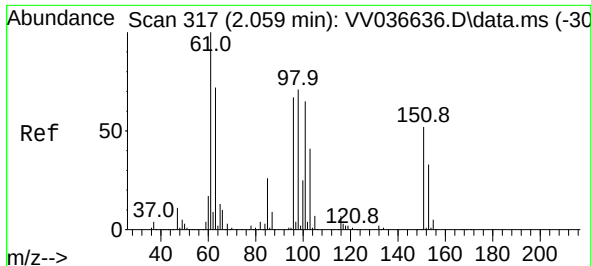
Tgt Ion: 62 Resp: 12149
 Ion Ratio Lower Upper
 62 100
 64 37.4 23.1 42.9



#8
 Chloroethane
 Concen: 0.891 ug/L
 RT: 1.275 min Scan# 73
 Delta R.T. -0.270 min
 Lab File: VV036649.D
 Acq: 23 Jul 2024 16:17

Tgt Ion: 64 Resp: 4565
 Ion Ratio Lower Upper
 64 100
 66 26.7 22.7 42.1





#12

1,1-Dichloroethene

Concen: 0.557 ug/L

RT: 2.060 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036649.D

Acq: 23 Jul 2024 16:17

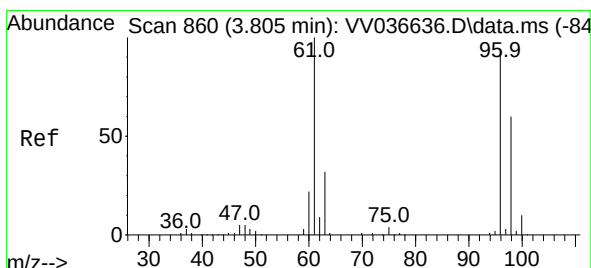
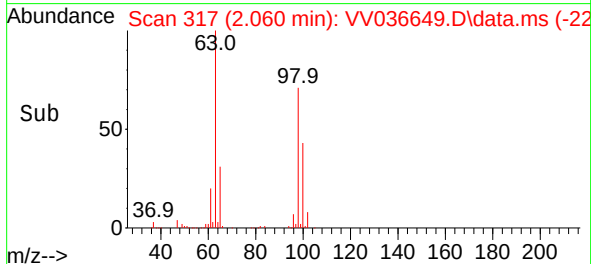
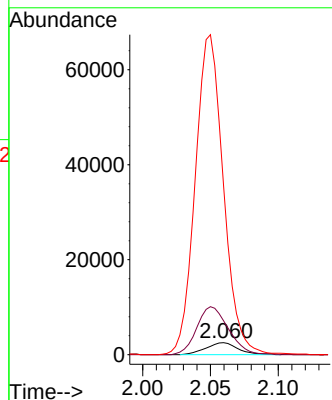
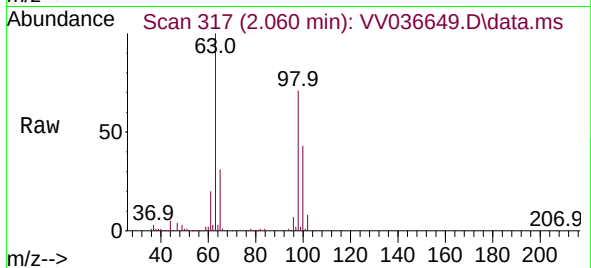
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 4209

Ion	Ratio	Lower	Upper
96	100		
61	281.4	102.3	189.9#
63	1405.3	64.1	119.1#



#20

cis-1,2-Dichloroethene

Concen: 16.590 ug/L

RT: 3.809 min Scan# 861

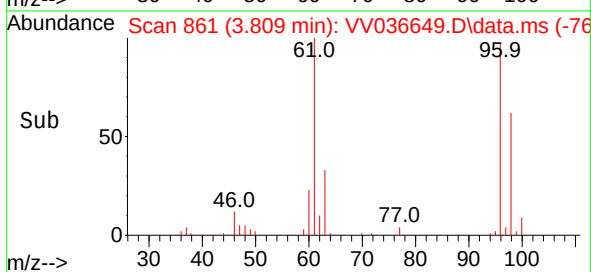
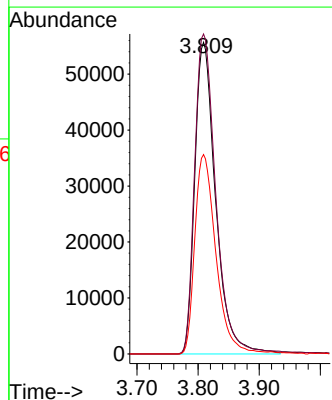
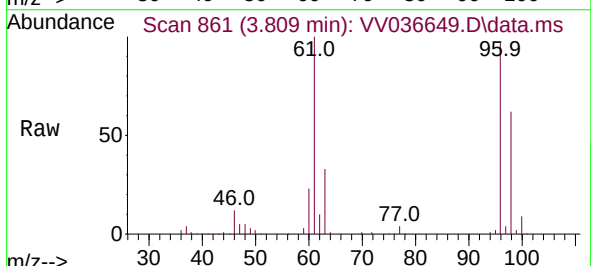
Delta R.T. 0.003 min

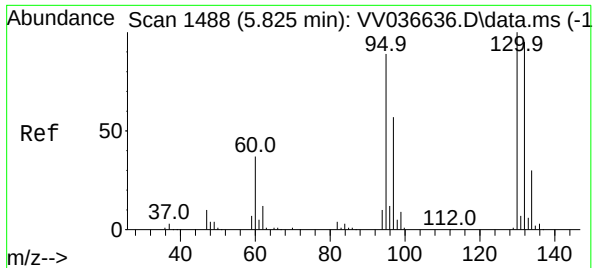
Lab File: VV036649.D

Acq: 23 Jul 2024 16:17

Tgt Ion: 96 Resp: 132213

Ion	Ratio	Lower	Upper
96	100		
61	102.7	73.0	135.6
98	64.0	44.8	83.2





#34

Trichloroethene

Concen: 7.615 ug/L

RT: 5.831 min Scan# 1488

Delta R.T. 0.007 min

Lab File: VV036649.D

Acq: 23 Jul 2024 16:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 67389

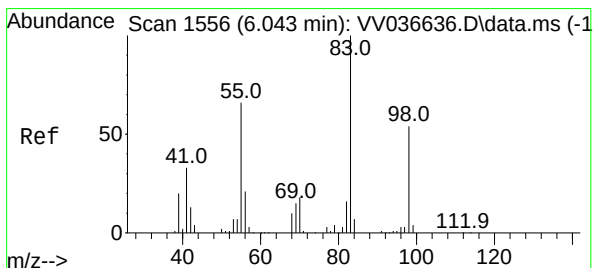
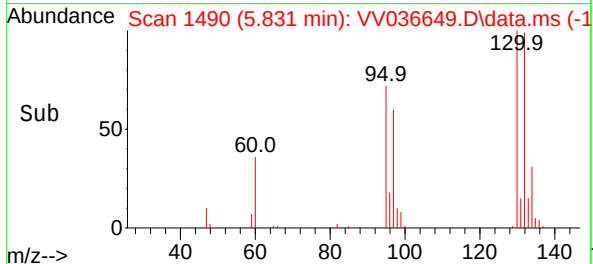
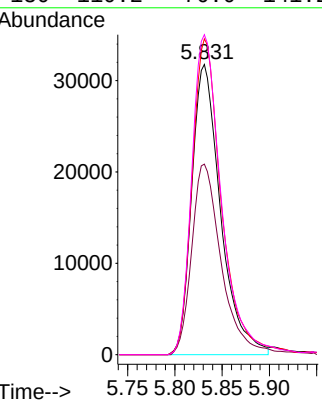
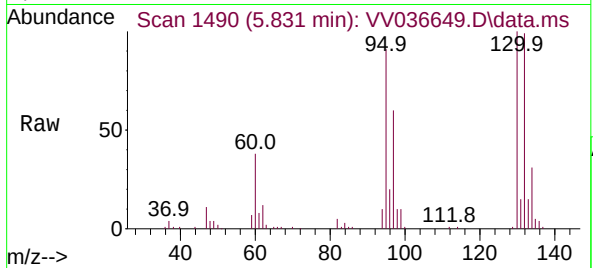
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.7

132 108.8 72.7 134.9

130 110.2 76.0 141.2



#35

Methylcyclohexane

Concen: 2.994 ug/L

RT: 5.985 min Scan# 1538

Delta R.T. -0.058 min

Lab File: VV036649.D

Acq: 23 Jul 2024 16:17

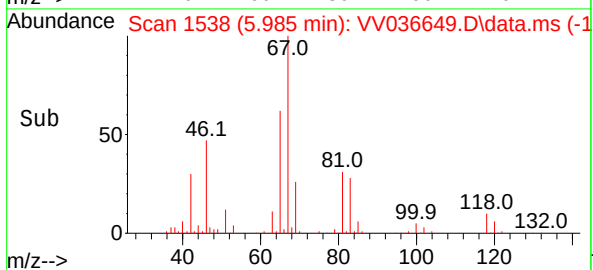
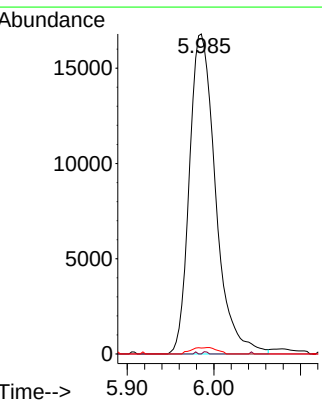
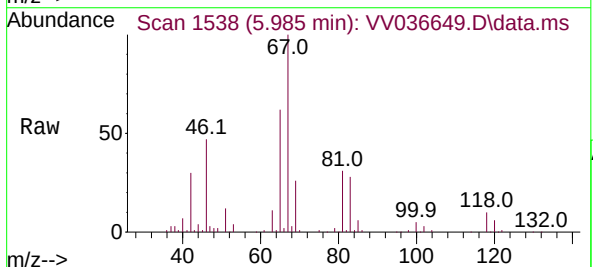
Tgt Ion: 83 Resp: 35276

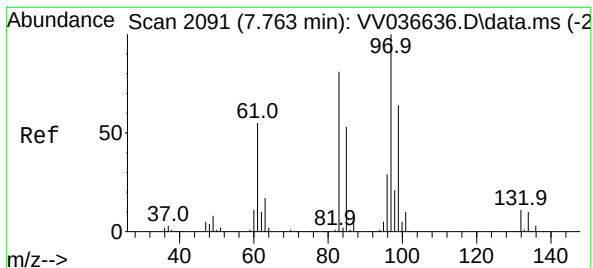
Ion Ratio Lower Upper

83 100

55 0.1 50.8 76.2#

98 0.9 41.3 61.9#





#45

1,1,2-Trichloroethane

Concen: 0.430 ug/L

RT: 7.783 min Scan# 2091

Delta R.T. 0.019 min

Lab File: VV036649.D

Acq: 23 Jul 2024 16:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 2612

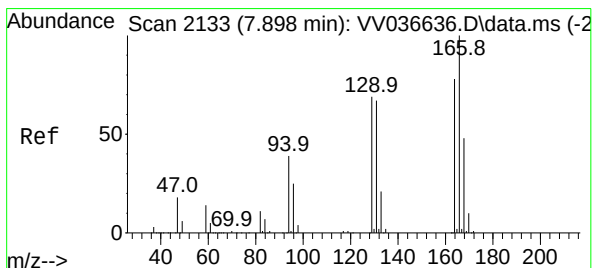
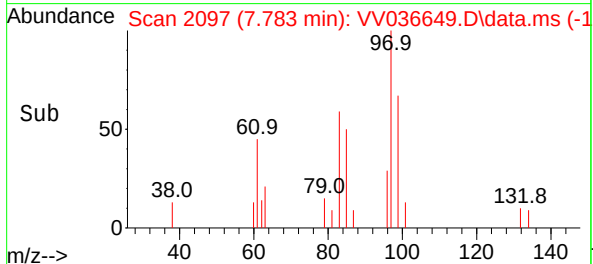
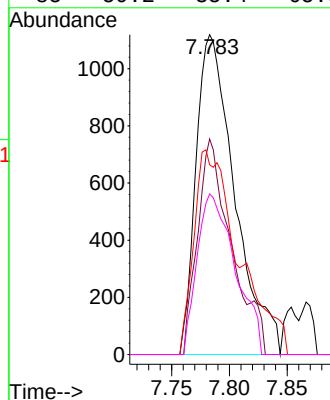
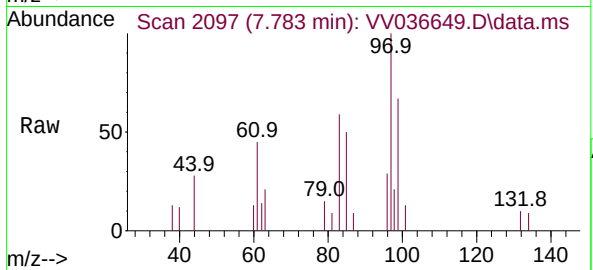
Ion Ratio Lower Upper

97 100

99 67.4 43.5 80.7

83 59.3 55.4 103.0

85 50.2 35.4 65.8



#46

Tetrachloroethene

Concen: 0.513 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.010 min

Lab File: VV036649.D

Acq: 23 Jul 2024 16:17

Tgt Ion:164 Resp: 4502

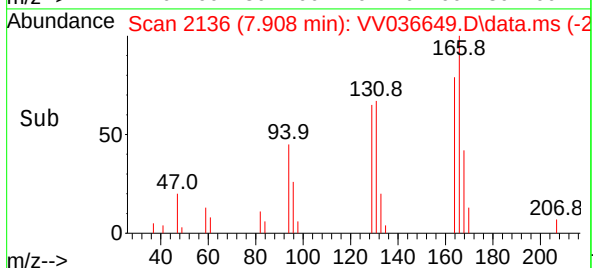
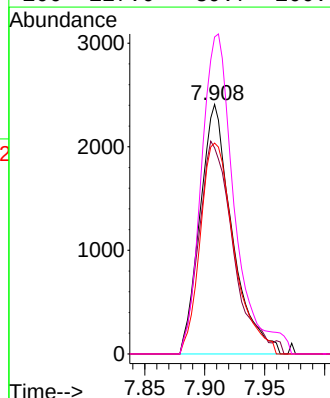
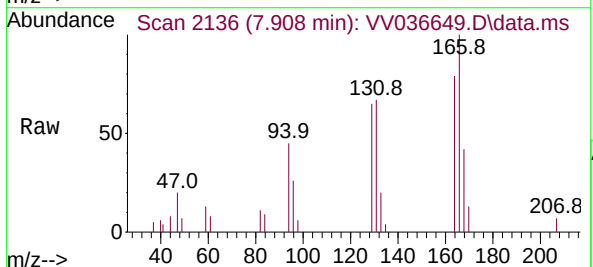
Ion Ratio Lower Upper

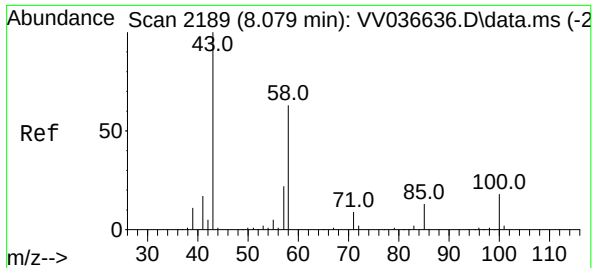
164 100

129 82.6 61.0 113.2

131 84.5 60.1 111.5

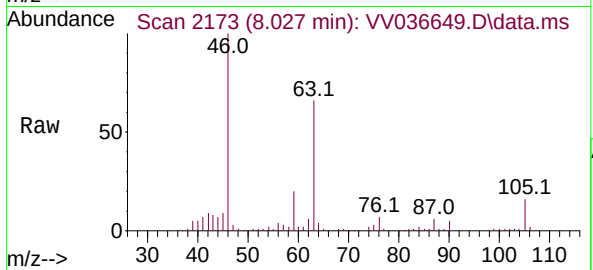
166 127.0 89.7 166.7





#48
 2-Hexanone
 Concen: 2.514 ug/L
 RT: 8.027 min Scan# 21
 Delta R.T. -0.051 min
 Lab File: VV036649.D
 Acq: 23 Jul 2024 16:17

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 43	Resp: 5728
Ion Ratio	Lower Upper
43 100	
58 41.8	50.6 75.8#
57 42.7	17.7 26.5#
100 8.3	13.9 20.9#

