Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052324\
Data File : VV035721.D
Acq On : 23 May 2024 22:35
Operator : SY/MD
Sample : P2568-14
Misc : 5.67g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 24 03:46:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 03:15:35 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.552	114	19323	25.000	ug/L	0.02
28) Chlorobenzene-d5	8.793	117	19223	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	6852	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	8238	27.583	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 110.320%			
7) Chloroethane-d5	1.529	69	8418	34.938	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 139.760%			
11) 1,1-Dichloroethene-d2	2.060	65	3850	29.118	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 116.480%#			
21) 2-Butanone-d5	3.802	46	447	5.274	ug/L	-0.03
Spiked Amount 50.000	Range 20 - 135		Recovery = 10.540%#			
24) Chloroform-d	4.259	84	21932	38.178	ug/L	0.01
Spiked Amount 25.000	Range 40 - 150		Recovery = 152.720%#			
26) 1,2-Dichloroethane-d4	4.960	65	13195	46.462	ug/L	0.02
Spiked Amount 25.000	Range 70 - 130		Recovery = 185.840%#			
32) Benzene-d6	4.970	84	31496	29.932	ug/L	0.01
Spiked Amount 25.000	Range 20 - 135		Recovery = 119.720%			
36) 1,2-Dichloropropane-d6	5.998	67	12571	38.712	ug/L	0.01
Spiked Amount 25.000	Range 70 - 120		Recovery = 154.840%#			
41) Toluene-d8	7.256	98	21593	23.057	ug/L	0.01
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.240%			
43) trans-1,3-Dichloroprop...	7.580	79	1597	11.499	ug/L	0.03
Spiked Amount 25.000	Range 30 - 135		Recovery = 46.000%			
47) 2-Hexanone-d5	8.072	63	447	7.655	ug/L	0.04
Spiked Amount 50.000	Range 20 - 135		Recovery = 15.320%#			
56) 1,1,2,2-Tetrachloroeth...	10.156	84	9527	30.446	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 121.800%#			
66) 1,2-Dichlorobenzene-d4	11.564	152	7987	33.588	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 134.360%#			
Target Compounds						Qvalue
3) Chloromethane	1.217	50	1180	2.992	ug/L	94
6) Bromomethane	1.487	94	548	2.124	ug/L	74
13) Acetone	2.243	43	1476	11.896	ug/L	81
15) Methyl Acetate	2.356	43	111	0.590	ug/L #	52
16) Methylene chloride	2.449	84	5225	11.726	ug/L	97
22) 2-Butanone	3.902	43	145	1.258	ug/L #	51
25) Chloroform	4.285	83	602	0.924	ug/L	81
35) Methylcyclohexane	5.995	83	2975	5.445	ug/L #	21
37) 1,2-Dichloropropane	5.995	63	1350	4.067	ug/L #	86
48) 2-Hexanone	8.117	43	874	5.864	ug/L #	63
61) 1,2,3-Trichloropropane	11.191	75	543	3.382	ug/L #	50
71) Naphthalene	13.480	128	190	0.346	ug/L #	69

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

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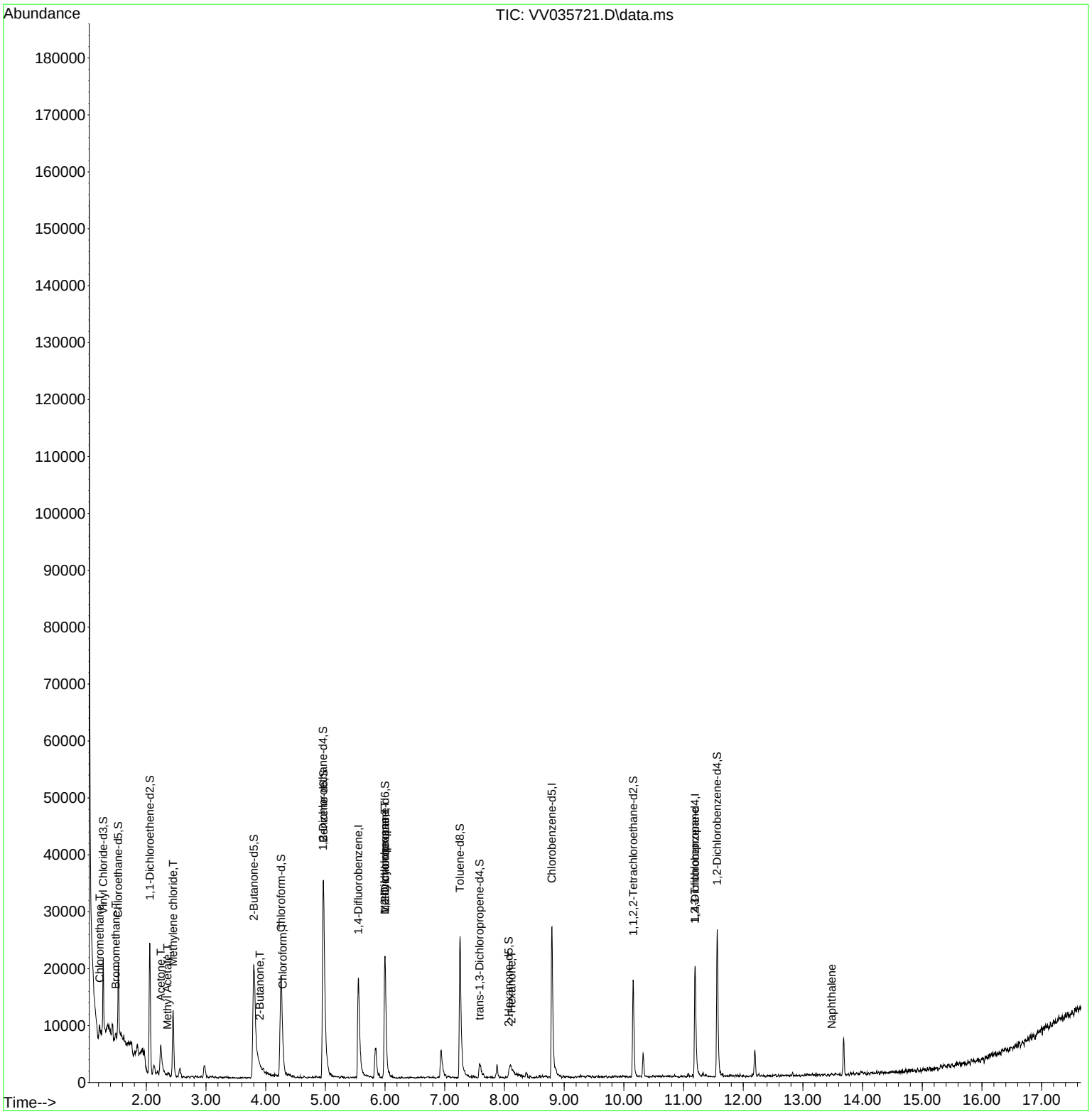
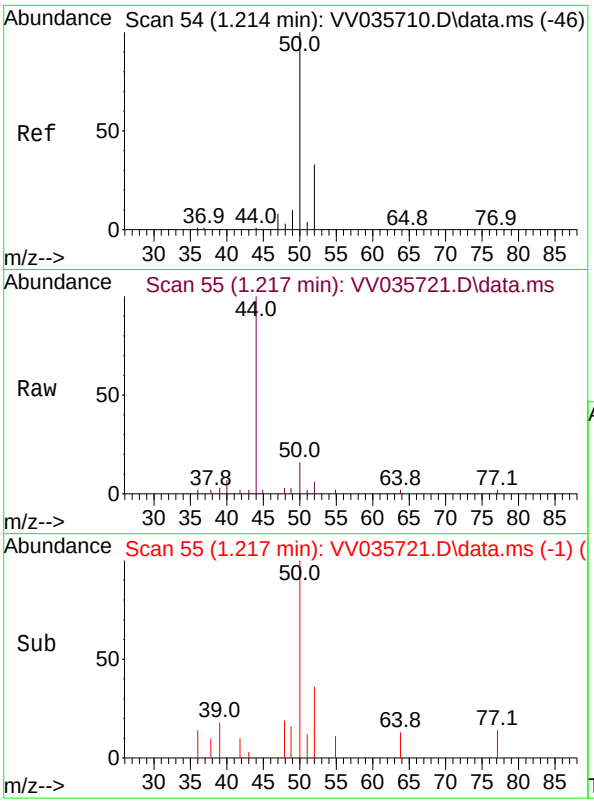
Quant Time: May 24 03:46:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 03:15:35 2024
Response via : Initial Calibration



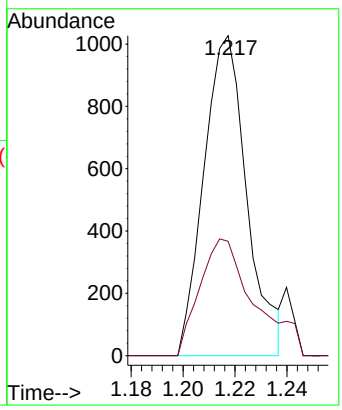


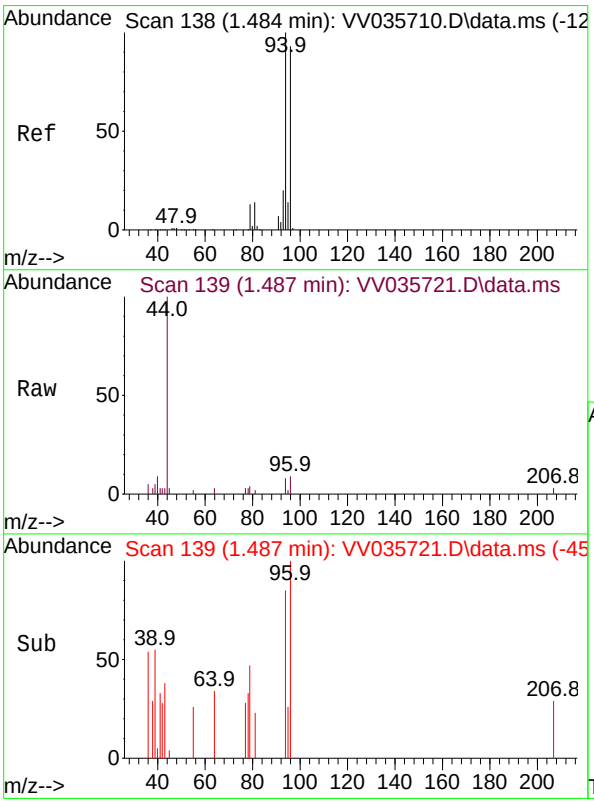
#3
Chloromethane
Concen: 2.992 ug/L
RT: 1.217 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 50 Resp: 1180

Ion	Ratio	Lower	Upper
50	100		
52	35.7	22.7	42.1

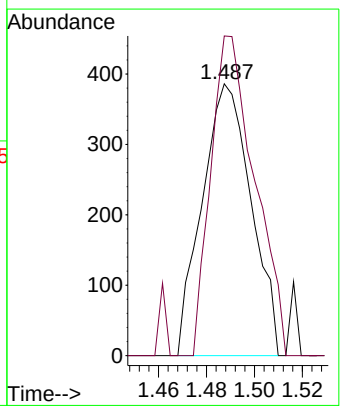


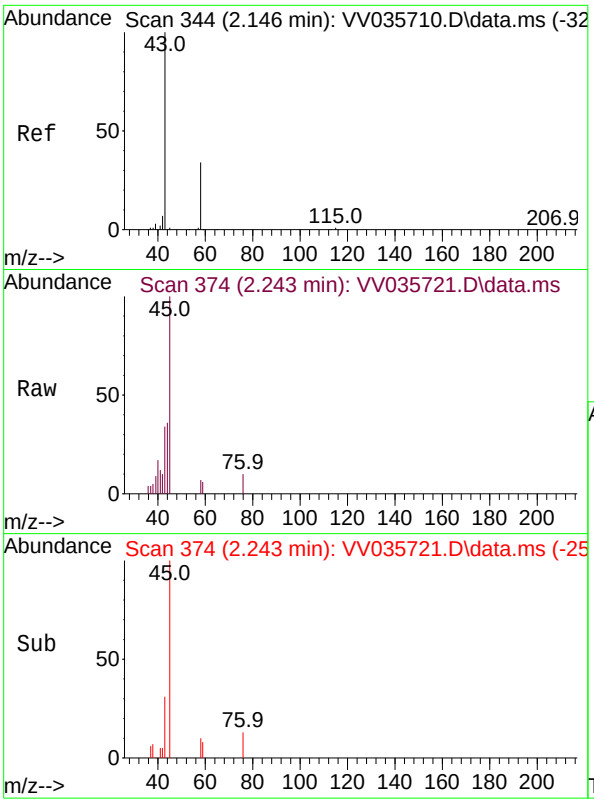


#6
Bromomethane
Concen: 2.124 ug/L
RT: 1.487 min Scan# 139
Delta R.T. 0.003 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Tgt Ion: 94 Resp: 548

Ion	Ratio	Lower	Upper
94	100		
96	117.6	65.2	121.0



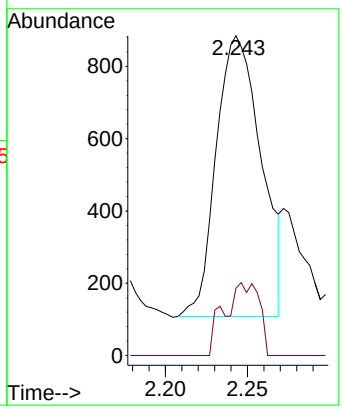


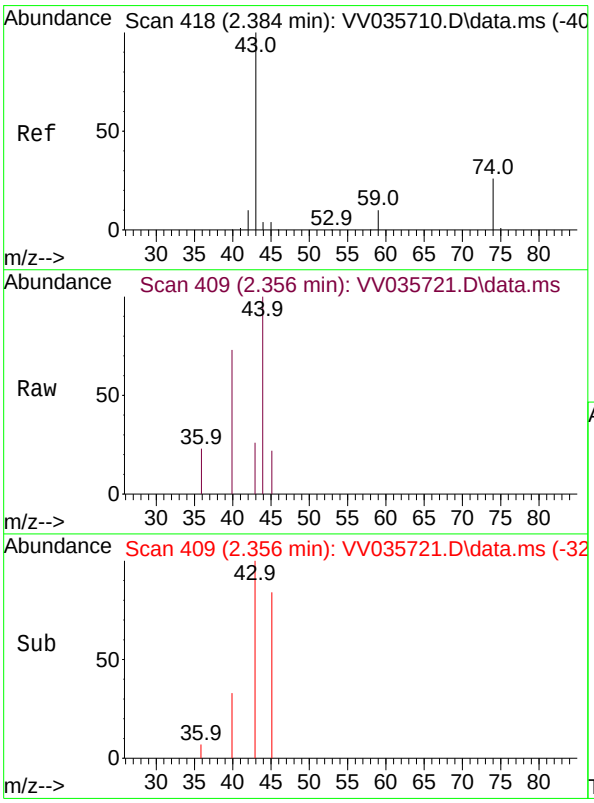
#13
Acetone
Concen: 11.896 ug/L
RT: 2.243 min Scan# 3
Delta R.T. 0.097 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 1476

Ion	Ratio	Lower	Upper
43	100		
58	4.0	0.0	22.8

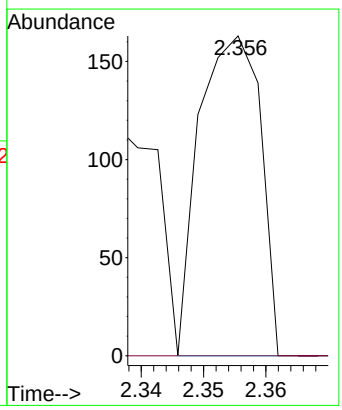


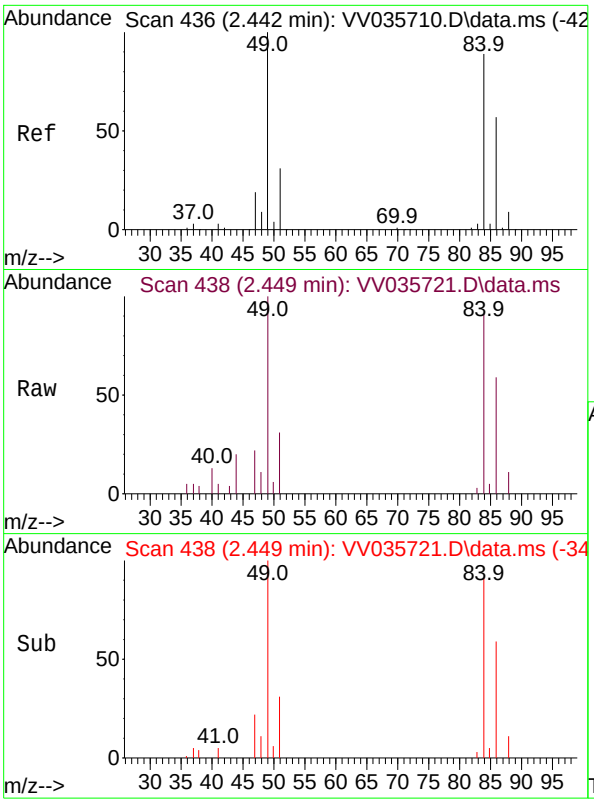


#15
Methyl Acetate
Concen: 0.590 ug/L
RT: 2.356 min Scan# 409
Delta R.T. -0.029 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Tgt Ion: 43 Resp: 111

Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.6	27.8#



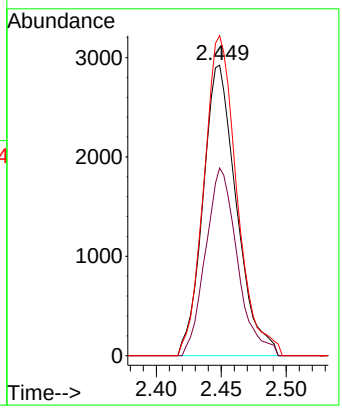


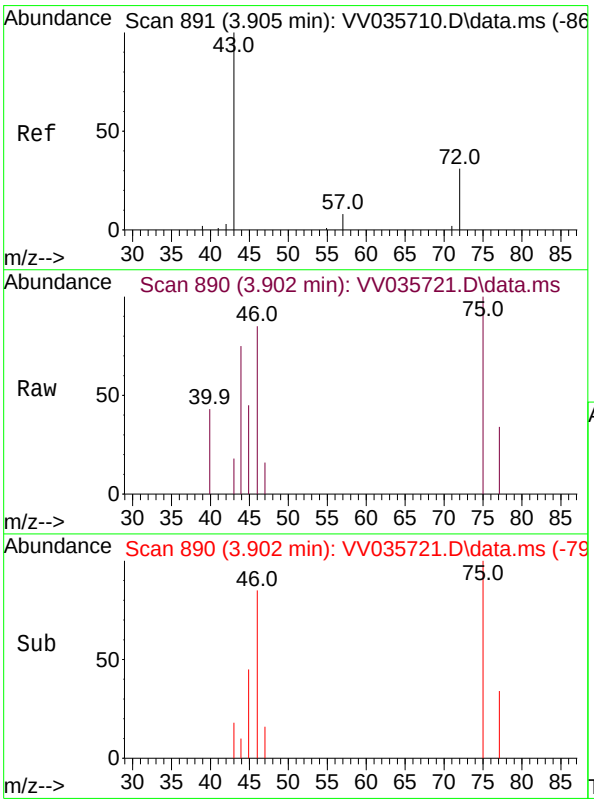
#16
Methylene chloride
Concen: 11.726 ug/L
RT: 2.449 min Scan# 4
Delta R.T. 0.006 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 84 Resp: 5225

Ion	Ratio	Lower	Upper
84	100		
86	64.6	43.8	81.3
49	110.2	75.3	139.9

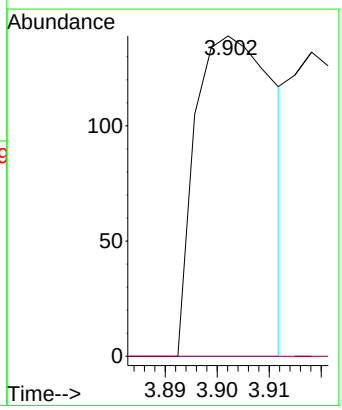


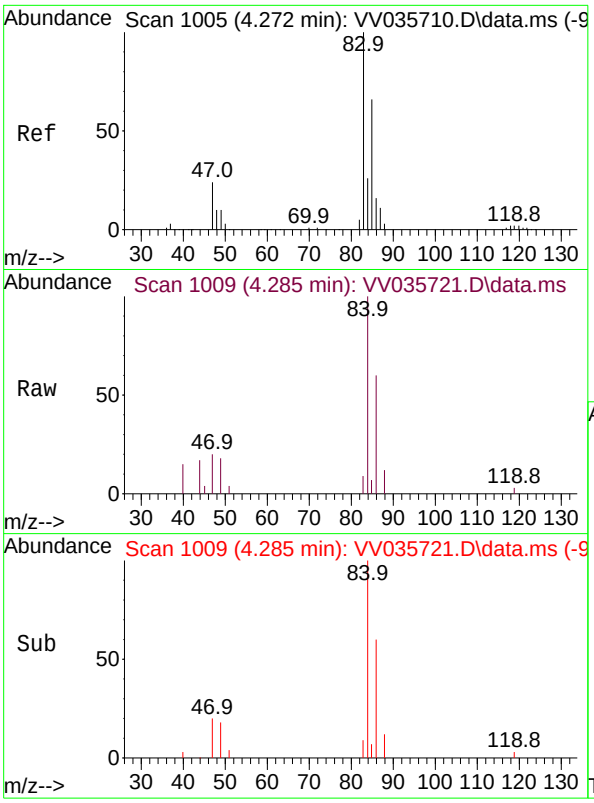


#22
2-Butanone
Concen: 1.258 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Tgt Ion: 43 Resp: 145

Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.3	36.9#



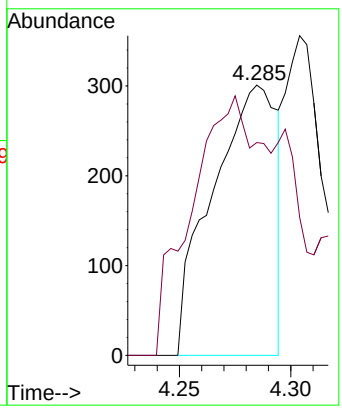


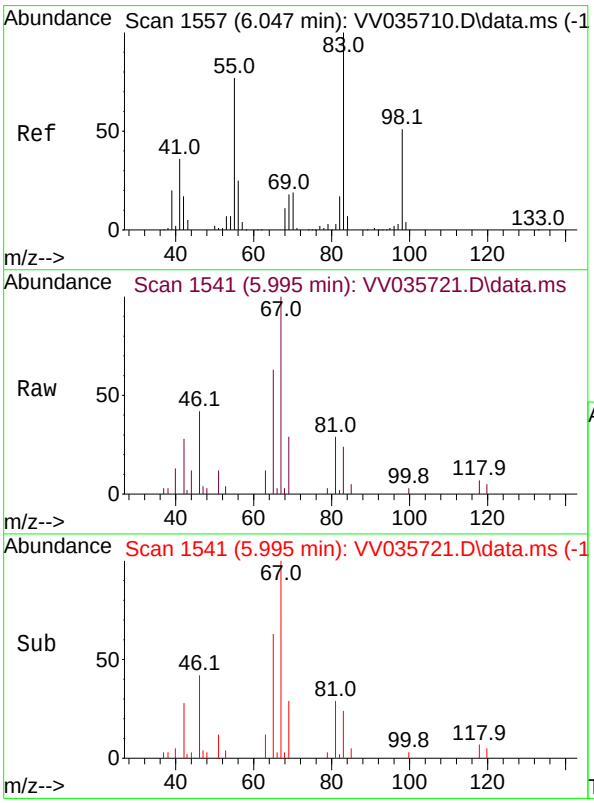
#25
Chloroform
Concen: 0.924 ug/L
RT: 4.285 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 83 Resp: 602

Ion	Ratio	Lower	Upper
83	100		
85	78.7	44.7	82.9

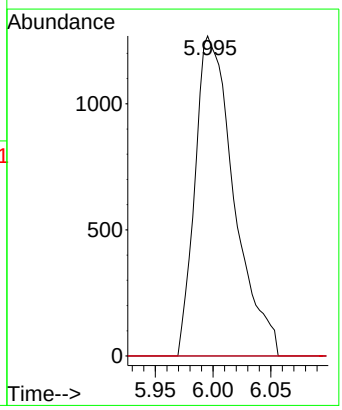


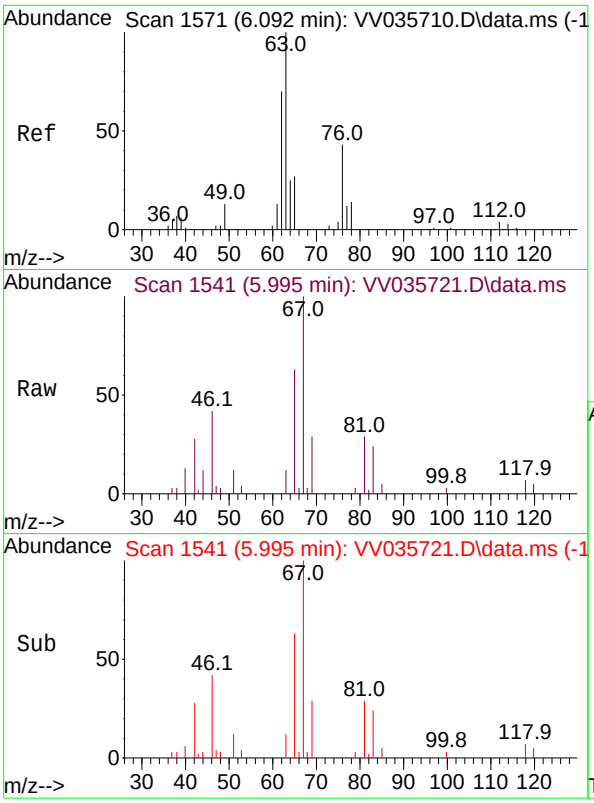


#35
Methylcyclohexane
Concen: 5.445 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.051 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Tgt Ion: 83 Resp: 2975

Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.5	86.3#
98	1.4	38.6	58.0#



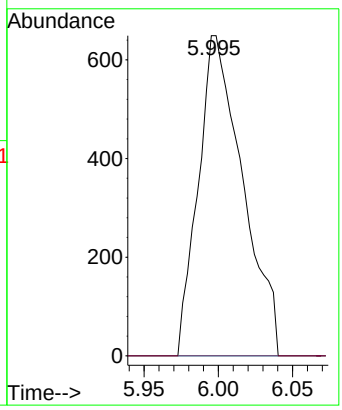


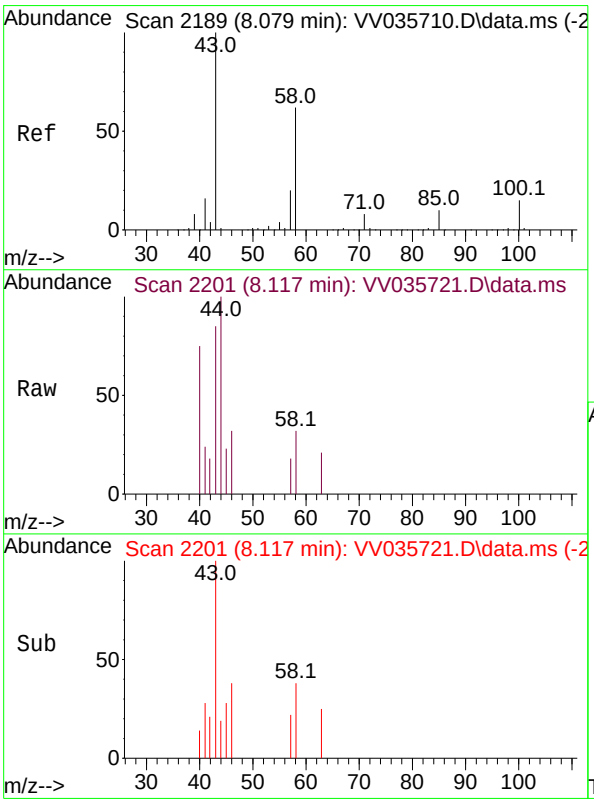
#37
1,2-Dichloropropane
Concen: 4.067 ug/L
RT: 5.995 min Scan# 1
Delta R.T. -0.096 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 63 Resp: 1350

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.6#

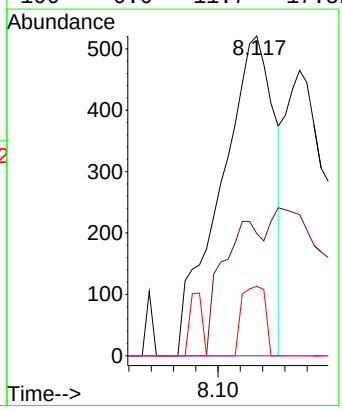


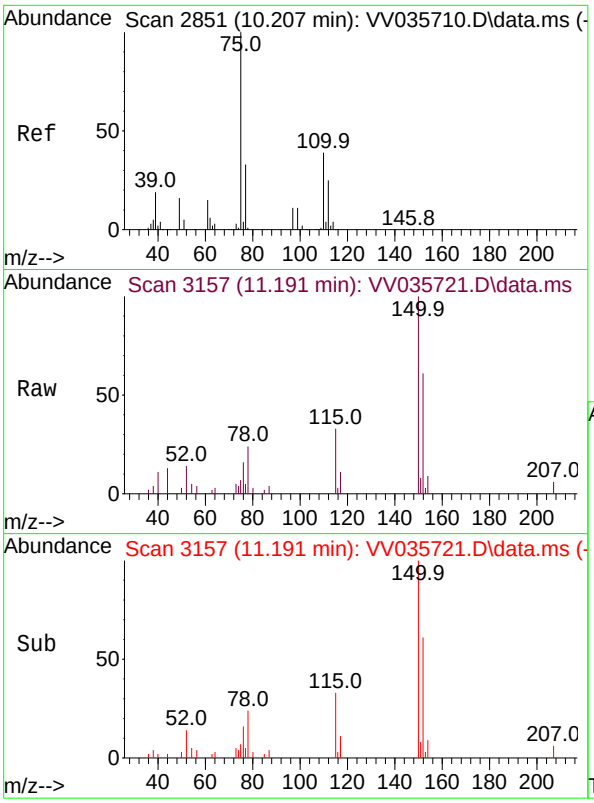


#48
2-Hexanone
Concen: 5.864 ug/L
RT: 8.117 min Scan# 2201
Delta R.T. 0.039 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Tgt Ion: 43 Resp: 874

Ion	Ratio	Lower	Upper
43	100		
58	32.0	48.8	73.2#
57	4.5	16.9	25.3#
100	0.0	11.7	17.5#



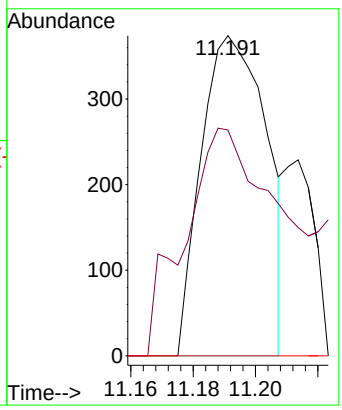


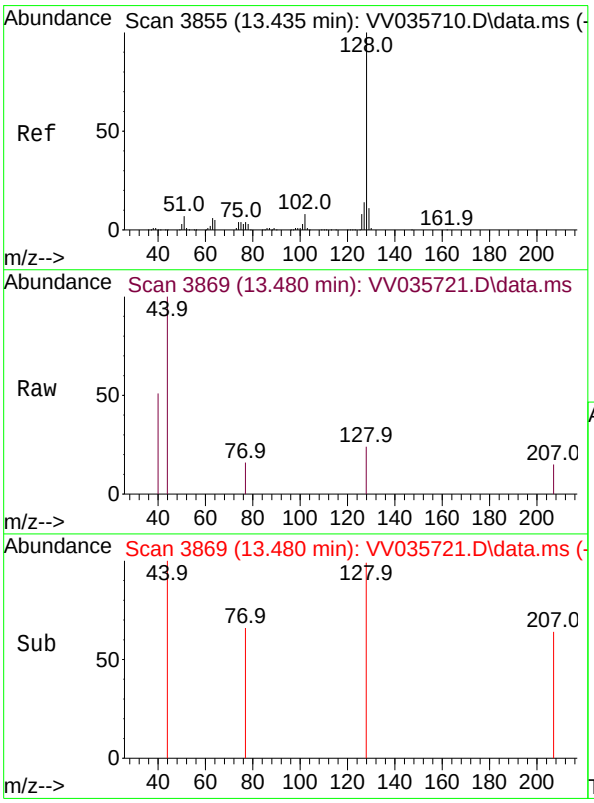
#61
1,2,3-Trichloropropane
Concen: 3.382 ug/L
RT: 11.191 min Scan# 3
Delta R.T. 0.984 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 543

Ion	Ratio	Lower	Upper
75	100		
77	50.5	25.7	38.5#
110	0.0	31.8	47.8#





#71
Naphthalene
Concen: 0.346 ug/L
RT: 13.480 min Scan# 3869
Delta R.T. 0.045 min
Lab File: VV035721.D
Acq: 23 May 2024 22:35

Tgt Ion:128 Resp: 190

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#