

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031424\
 Data File : VV034610.D
 Acq On : 14 Mar 2024 17:50
 Operator : SY/MD
 Sample : P1752-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 15 03:38:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 03:33:21 2024
 Response via : Initial Calibration

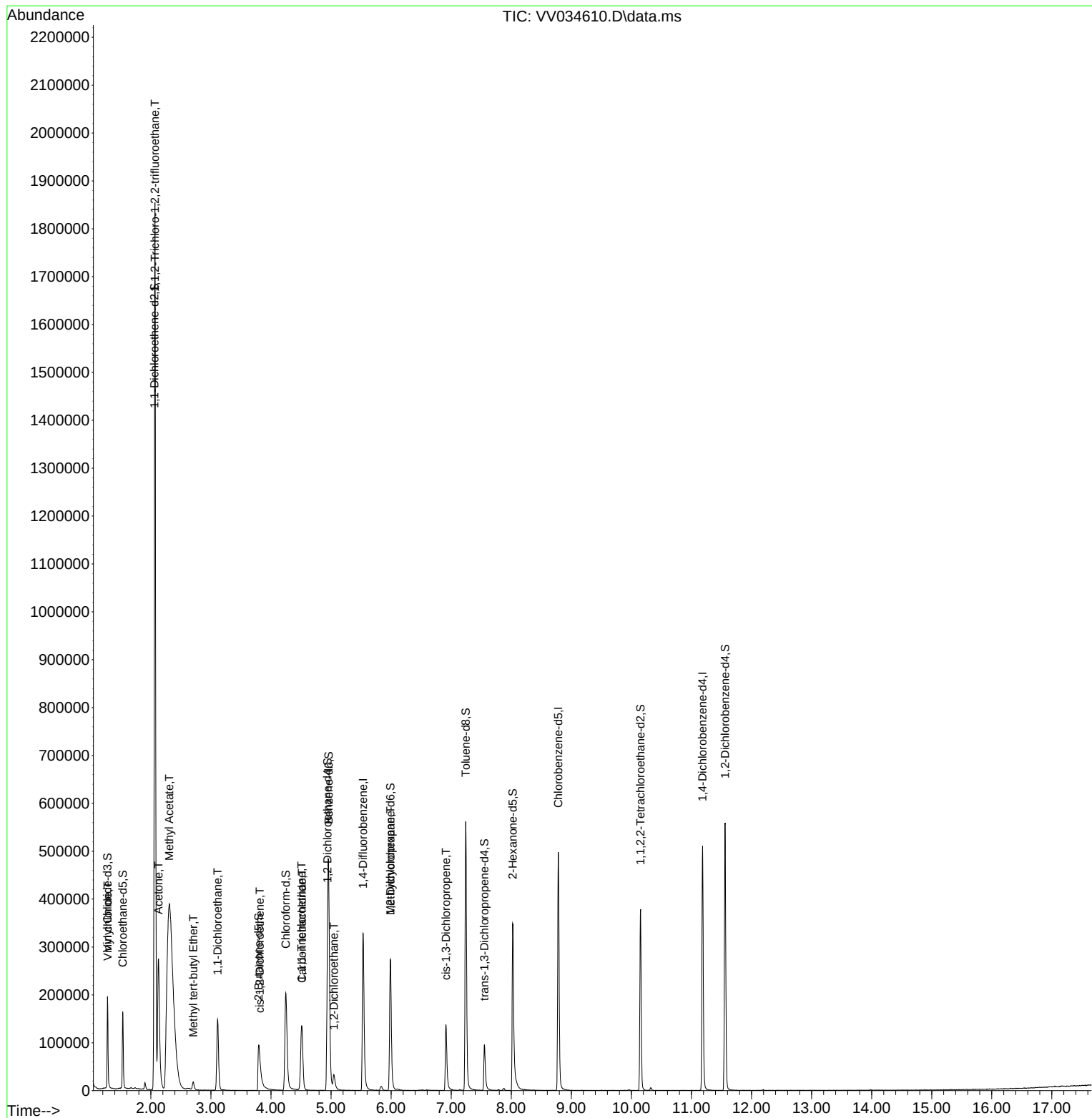
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	285074	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	267561	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	128336	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	117227	47.435	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	94.880%	
7) Chloroethane-d5	1.532	69	97471	50.626	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	101.260%	
11) 1,1-Dichloroethene-d2	2.060	65	54502	48.765	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	97.540%	
21) 2-Butanone-d5	3.796	46	179318	108.503	ug/L	0.01
Spiked Amount	100.000	Range 40 - 130	Recovery	=	108.500%	
24) Chloroform-d	4.246	84	217554	49.789	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.580%	
26) 1,2-Dichloroethane-d4	4.940	65	147252	51.570	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	103.140%	
32) Benzene-d6	4.960	84	422557	52.329	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	104.660%	
36) 1,2-Dichloropropane-d6	5.989	67	129347	52.487	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	104.980%	
41) Toluene-d8	7.243	98	366026	50.089	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	100.180%	
43) trans-1,3-Dichloroprop...	7.551	79	59194	47.833	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	95.660%	
47) 2-Hexanone-d5	8.024	63	124347	101.047	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	101.050%	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	176713	54.490	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	108.980%	
66) 1,2-Dichlorobenzene-d4	11.561	152	139014	52.994	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	105.980%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.281	62	4473	1.568	ug/L #	55
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	10026	4.355	ug/L #	79
13) Acetone	2.127	43	397256	199.952	ug/L	99
15) Methyl Acetate	2.304	43	147460	58.016	ug/L #	53
18) Methyl tert-butyl Ether	2.706	73	15807	2.130	ug/L	96
19) 1,1-Dichloroethane	3.111	63	149687	36.984	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	3366	1.502	ug/L	91
27) 1,2-Dichloroethane	5.047	62	31810	9.333	ug/L	98
30) 1,1,1-Trichloroethane	4.510	97	112656	29.362	ug/L	98
31) Carbon tetrachloride	4.516	117	14273	4.202	ug/L	98
35) Methylcyclohexane	5.989	83	32085	8.940	ug/L #	18
39) cis-1,3-Dichloropropene	6.911	75	4135	1.174	ug/L #	56

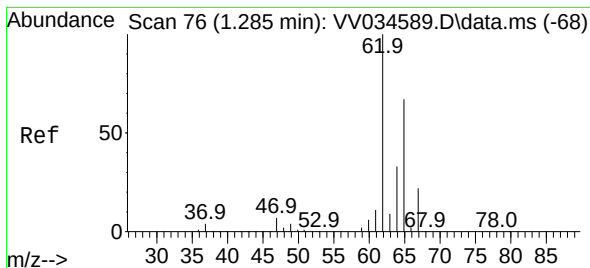
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.568 ug/L

RT: 1.281 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV034610.D

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Instrument :

MSVOA_V

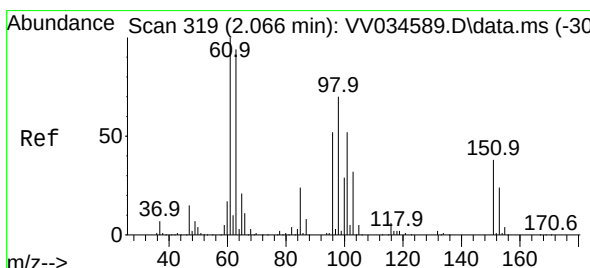
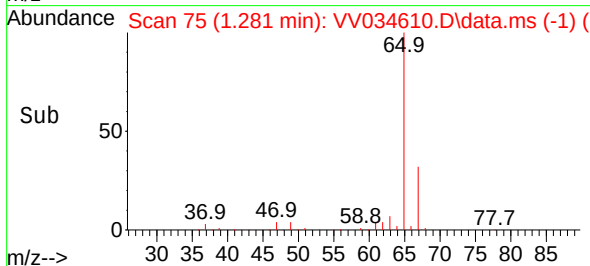
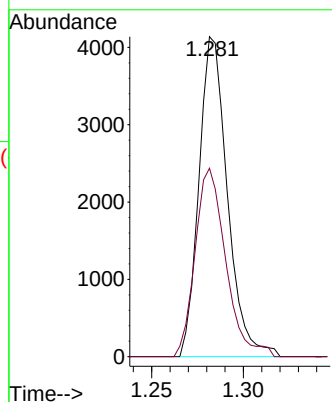
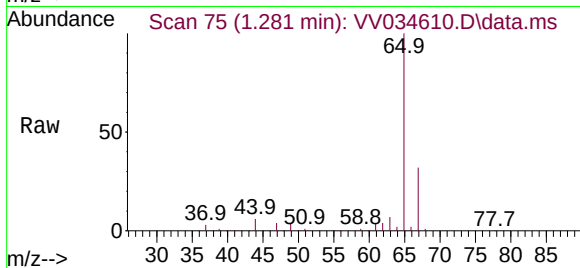
ClientSampleId :

Tgt Ion: 62 Resp: 4473

Ion Ratio Lower Upper

62 100

64 58.9 23.4 43.6#



#10

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

Concen: 4.355 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.000 min

Lab File: VV034610.D

Acq: 14 Mar 2024 17:50

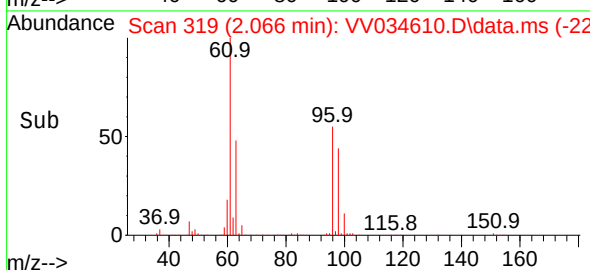
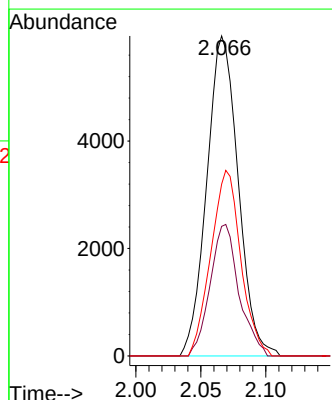
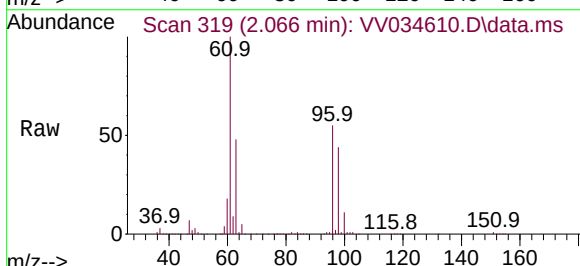
Tgt Ion:101 Resp: 10026

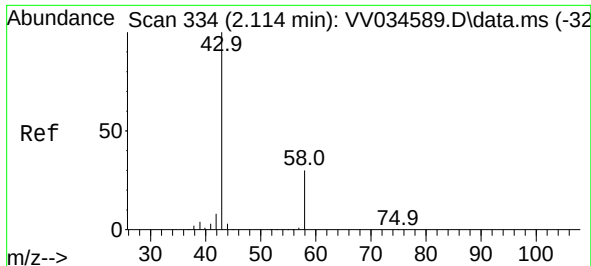
Ion Ratio Lower Upper

101 100

85 37.6 37.4 56.0

151 55.2 61.4 92.2#





#13

Acetone

Concen: 199.952 ug/L

RT: 2.127 min Scan# 393

Delta R.T. 0.013 min

Lab File: VV034610.D

Acq: 14 Mar 2024 17:50

Instrument :

MSVOA_V

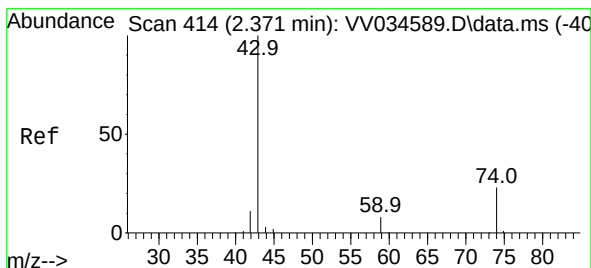
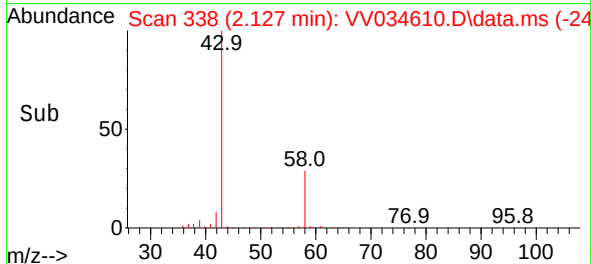
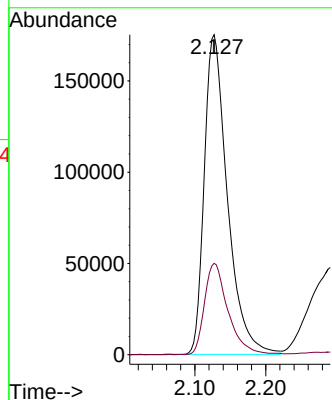
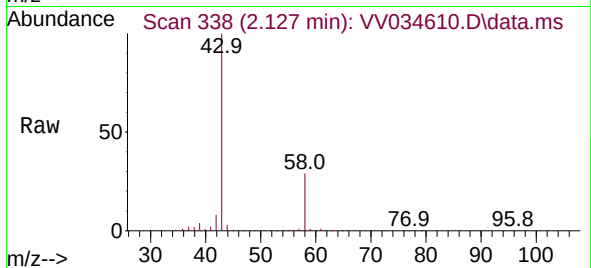
ClientSampleId :

Tgt Ion: 43 Resp: 397256

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.2



#15

Methyl Acetate

Concen: 58.016 ug/L

RT: 2.304 min Scan# 393

Delta R.T. -0.067 min

Lab File: VV034610.D

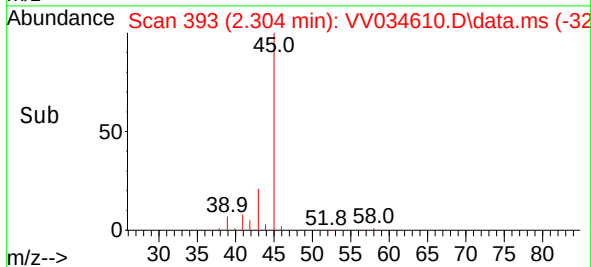
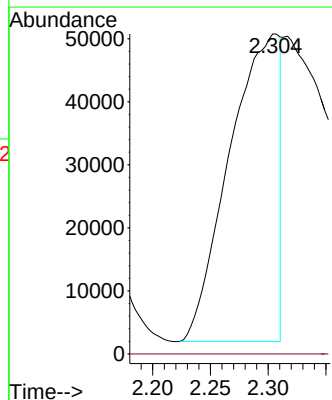
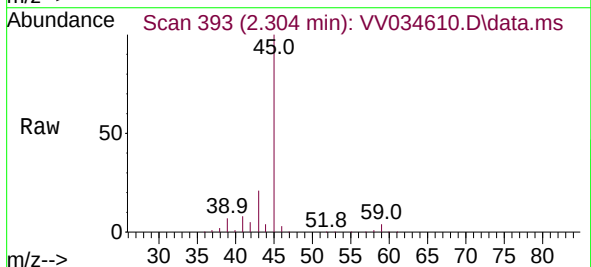
Acq: 14 Mar 2024 17:50

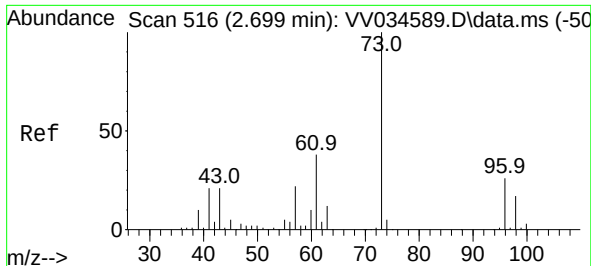
Tgt Ion: 43 Resp: 147460

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#





#18

Methyl tert-butyl Ether

Concen: 2.130 ug/L

RT: 2.706 min Scan# 516

Delta R.T. 0.006 min

Lab File: VV034610.D

Acq: 14 Mar 2024 17:50

Instrument :

MSVOA_V

ClientSampleId :

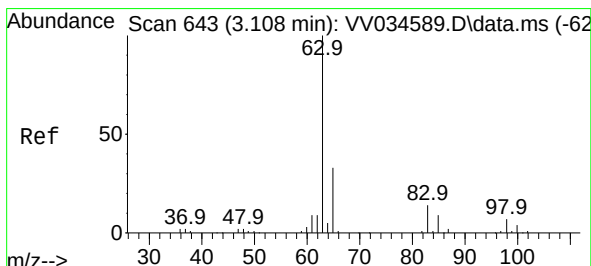
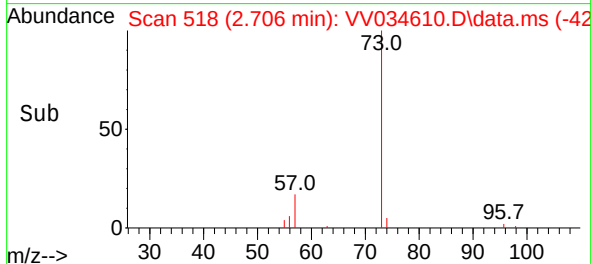
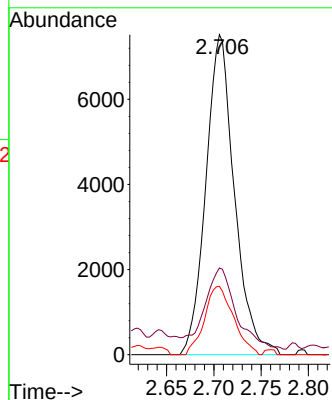
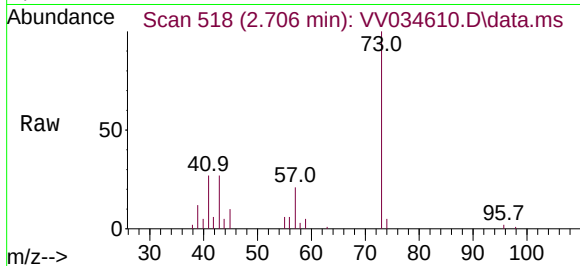
Tgt Ion: 73 Resp: 15807

Ion Ratio Lower Upper

73 100

43 24.7 17.1 25.7

57 21.6 17.6 26.4



#19

1,1-Dichloroethane

Concen: 36.984 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.003 min

Lab File: VV034610.D

Acq: 14 Mar 2024 17:50

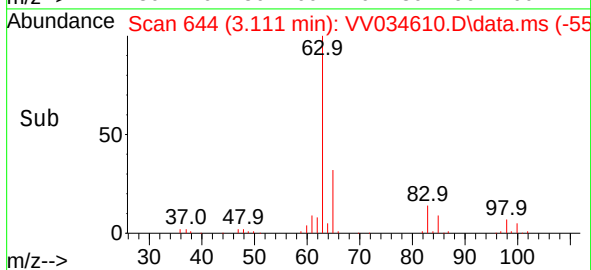
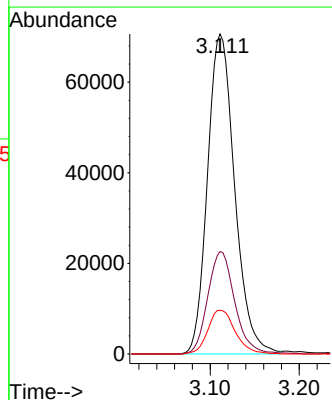
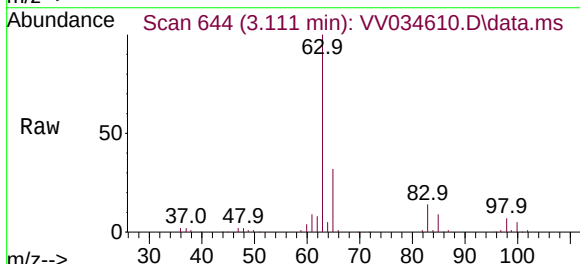
Tgt Ion: 63 Resp: 149687

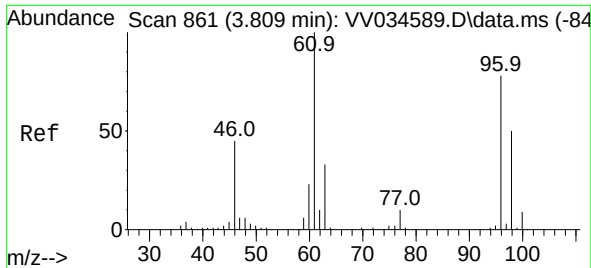
Ion Ratio Lower Upper

63 100

65 32.0 22.1 41.1

83 13.6 9.9 18.3





#20

cis-1,2-Dichloroethene

Concen: 1.502 ug/L

RT: 3.815 min Scan# 861

Delta R.T. 0.006 min

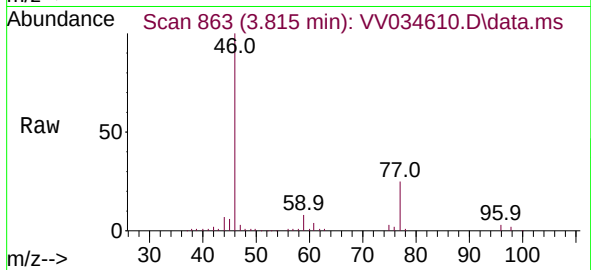
Lab File: VV034610.D

Acq: 14 Mar 2024 17:50

Instrument :

MSVOA_V

ClientSampleId :



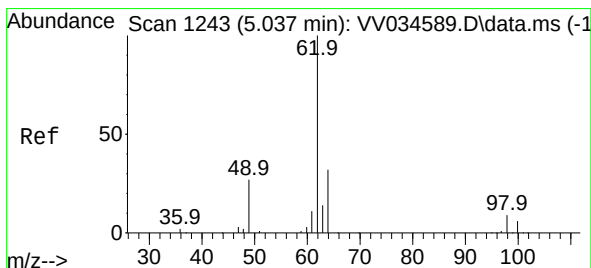
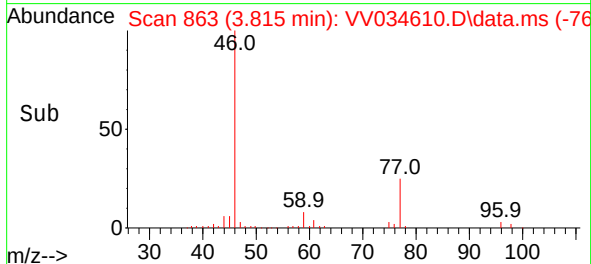
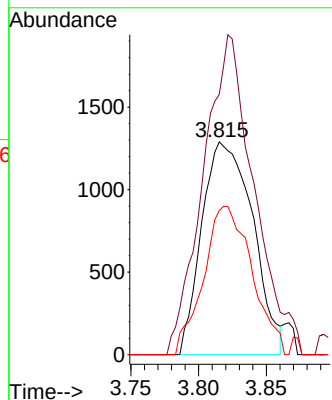
Tgt Ion: 96 Resp: 3366

Ion Ratio Lower Upper

96 100

61 122.2 96.0 178.4

98 67.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 9.333 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.010 min

Lab File: VV034610.D

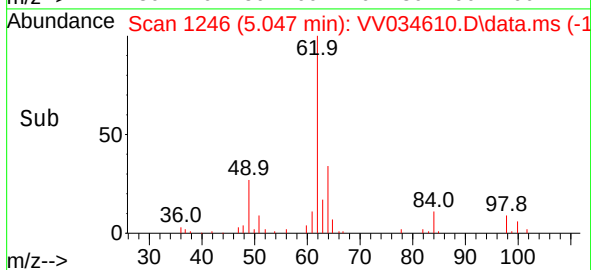
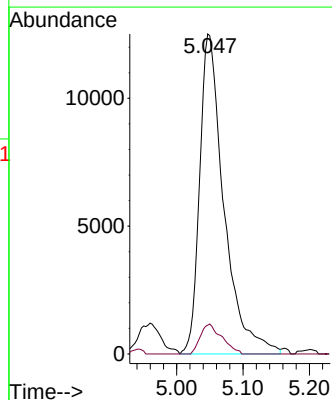
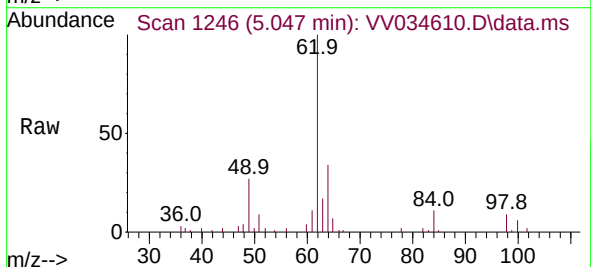
Acq: 14 Mar 2024 17:50

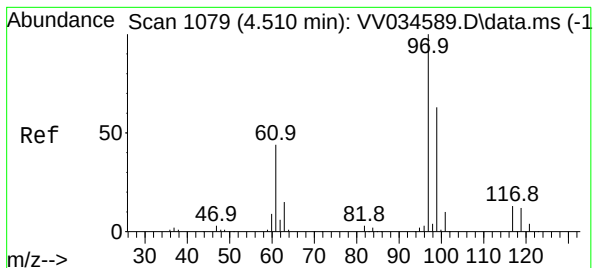
Tgt Ion: 62 Resp: 31810

Ion Ratio Lower Upper

62 100

98 9.0 6.6 10.0





#30

1,1,1-Trichloroethane

Concen: 29.362 ug/L

RT: 4.510 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV034610.D

Acq: 14 Mar 2024 17:50

Instrument :

MSVOA_V

ClientSampleId :

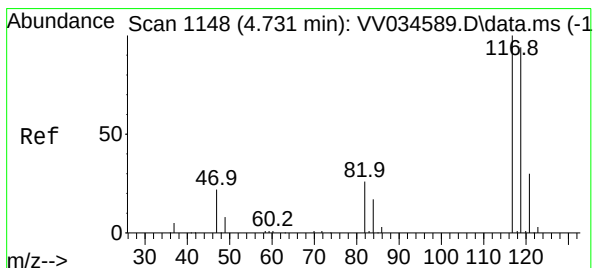
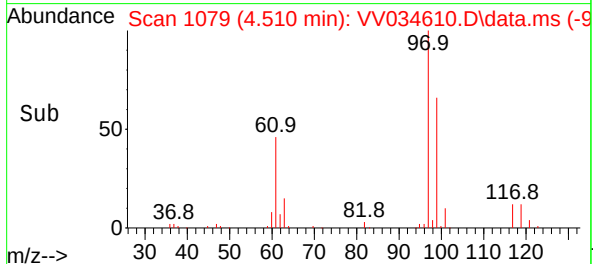
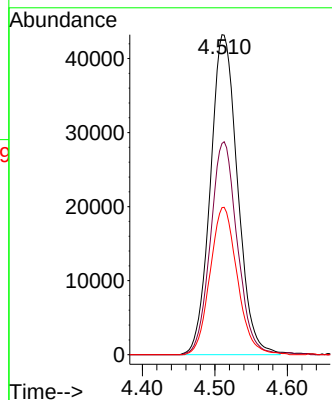
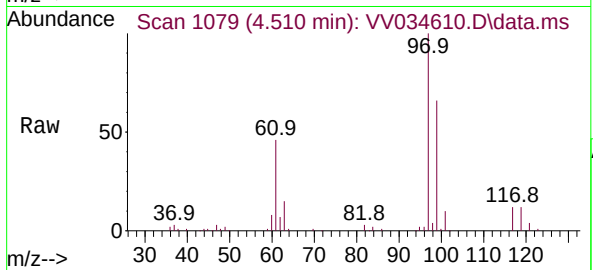
Tgt Ion: 97 Resp: 112656

Ion Ratio Lower Upper

97 100

99 65.8 51.3 76.9

61 46.1 36.0 54.0



#31

Carbon tetrachloride

Concen: 4.202 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.215 min

Lab File: VV034610.D

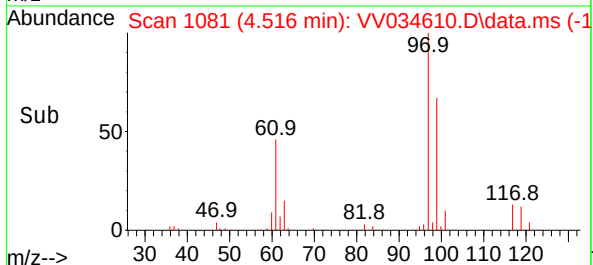
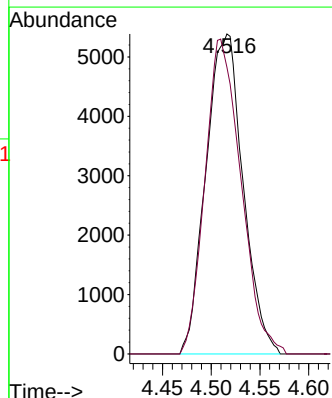
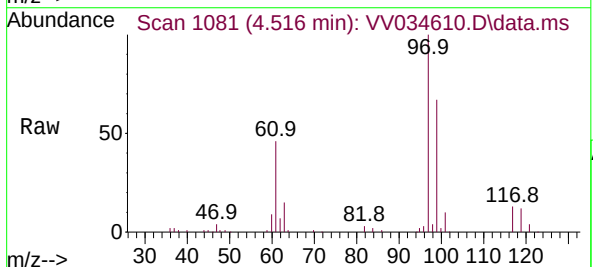
Acq: 14 Mar 2024 17:50

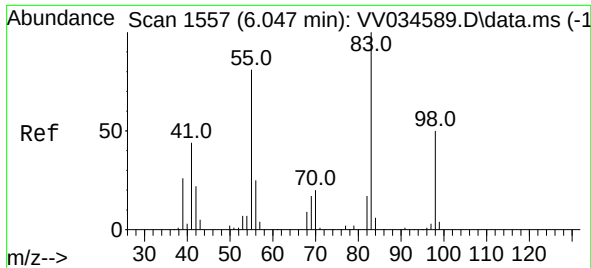
Tgt Ion: 117 Resp: 14273

Ion Ratio Lower Upper

117 100

119 95.2 77.5 116.3





#35

Methylcyclohexane

Concen: 8.940 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.058 min

Lab File: VV034610.D

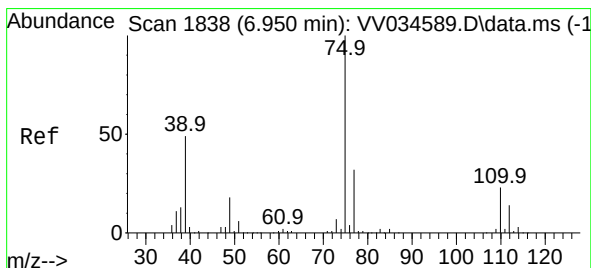
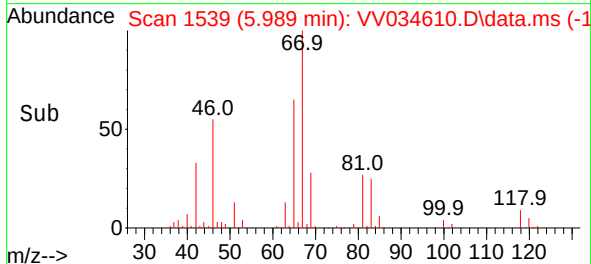
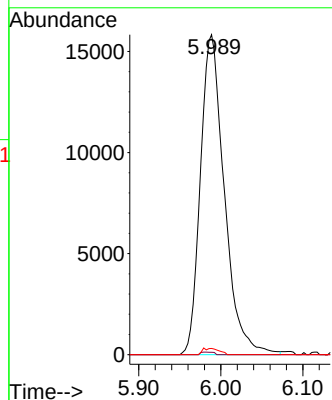
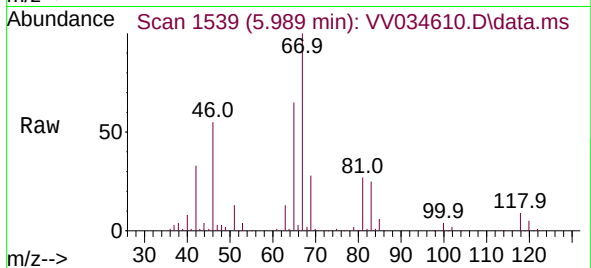
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Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	32085
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.6	94.0#
98	0.9	39.5	59.3#



#39

cis-1,3-Dichloropropene

Concen: 1.174 ug/L

RT: 6.911 min Scan# 1826

Delta R.T. -0.039 min

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Tgt Ion:	75	Resp:	4135
Ion	Ratio	Lower	Upper
75	100		
77	53.8	20.9	38.9#

