

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV012424\
 Data File : VV033845.D
 Acq On : 24 Jan 2024 11:58
 Operator : SY/MD
 Sample : P1191-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 25 00:57:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 25 00:55:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	225786	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	210781	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	101247	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	86446	49.817	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.640%
7) Chloroethane-d5	1.532	69	68225	49.647	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.300%
11) 1,1-Dichloroethene-d2	2.059	65	38001	50.885	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.760%
21) 2-Butanone-d5	3.783	46	96572	81.137	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.140%
24) Chloroform-d	4.249	84	148606	47.893	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.780%
26) 1,2-Dichloroethane-d4	4.940	65	95323	47.547	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.100%
32) Benzene-d6	4.960	84	280320	46.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.560%
36) 1,2-Dichloropropane-d6	5.989	67	85559	43.376	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.760%
41) Toluene-d8	7.243	98	252471	46.761	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.520%
43) trans-1,3-Dichloroprop...	7.551	79	43671	44.798	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.600%
47) 2-Hexanone-d5	8.021	63	70046	85.611	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.610%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	109128	43.337	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.680%
66) 1,2-Dichlorobenzene-d4	11.561	152	90931	47.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.680%

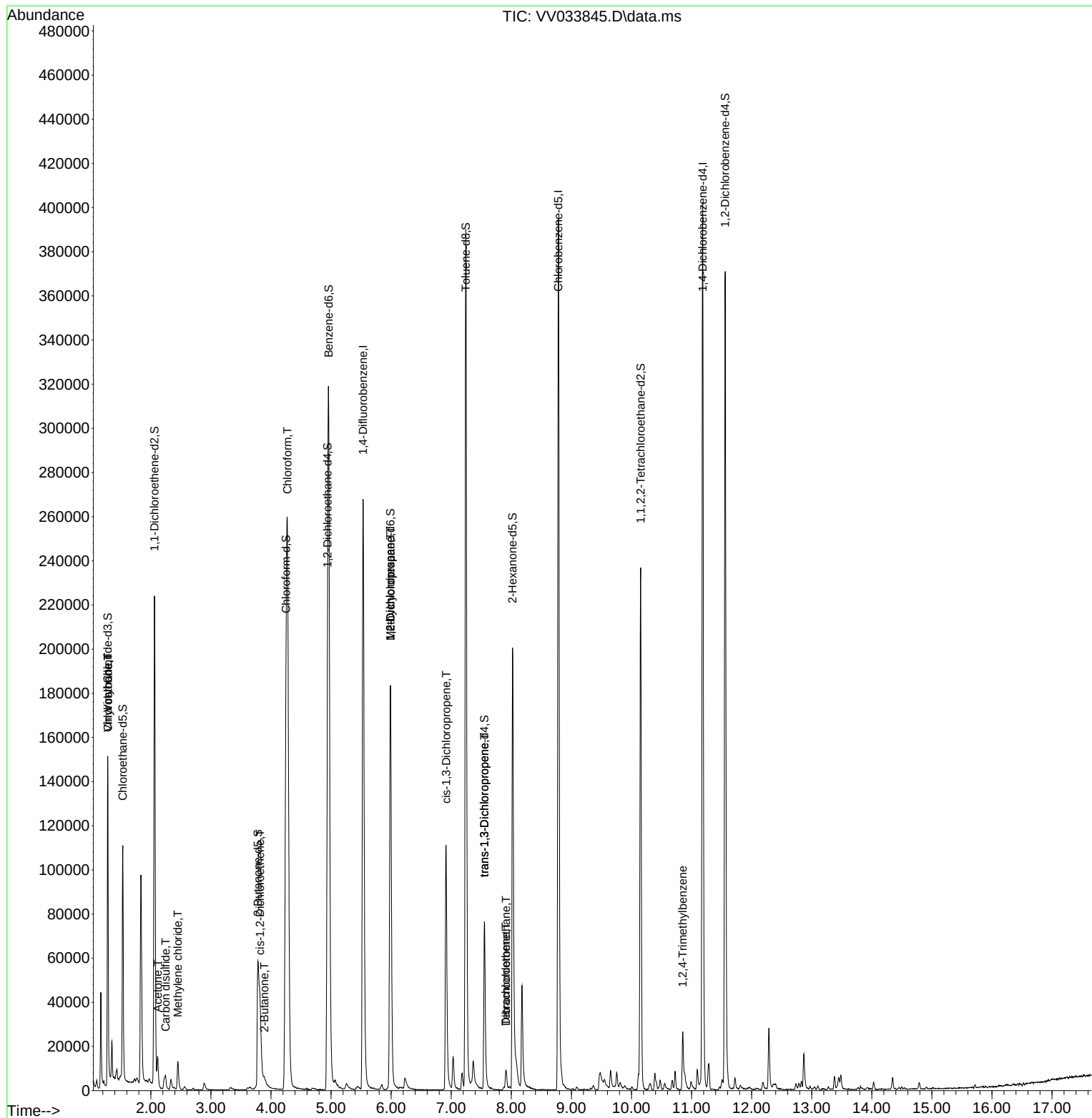
Target Compounds					Qvalue
5) Vinyl chloride	1.285	62	10692	5.233 ug/L	# 75
8) Chloroethane	1.285	64	6302	5.172 ug/L	89
13) Acetone	2.114	43	13241	11.635 ug/L	99
14) Carbon disulfide	2.246	76	5298	1.150 ug/L	# 92
16) Methylene chloride	2.449	84	5088	3.078 ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	14228	8.446 ug/L	93
22) 2-Butanone	3.889	43	6615	4.786 ug/L	97
25) Chloroform	4.275	83	218653	74.523 ug/L	99
35) Methylcyclohexane	5.989	83	21481	7.558 ug/L	# 16
37) 1,2-Dichloropropane	5.989	63	10233	6.007 ug/L	# 88
39) cis-1,3-Dichloropropene	6.915	75	3144	1.105 ug/L	# 68
44) trans-1,3-Dichloropropene	7.551	75	2239	0.854 ug/L	# 72
46) Tetrachloroethene	7.908	164	1898	1.558 ug/L	88
49) Dibromochloromethane	7.911	129	1832	1.138 ug/L	# 10
63) 1,2,4-Trimethylbenzene	10.853	105	14367	2.453 ug/L	99

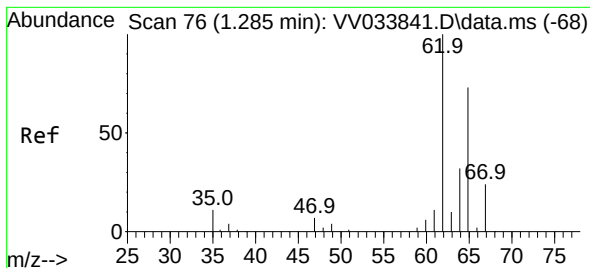
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.233 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV033845.D

Acq: 24 Jan 2024 11:58

Instrument :

MSVOA_V

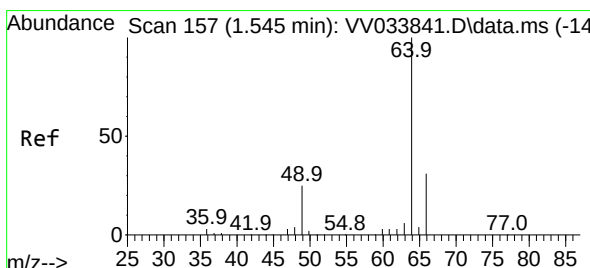
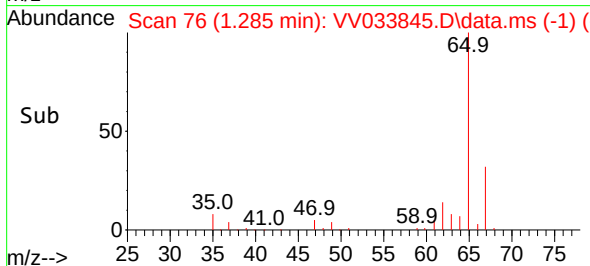
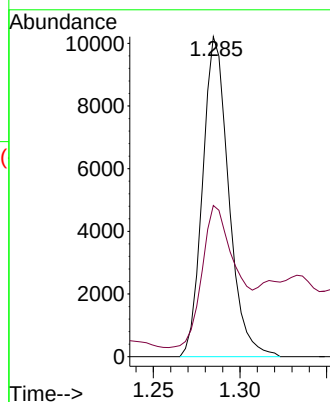
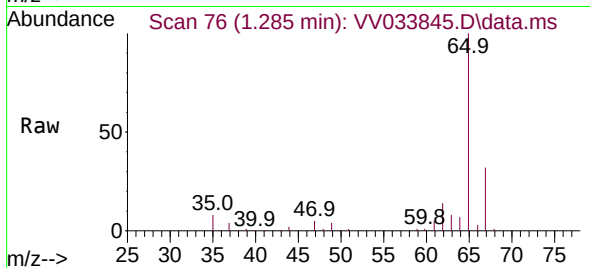
ClientSampleId :

Tgt Ion: 62 Resp: 10692

Ion Ratio Lower Upper

62 100

64 47.2 23.2 43.0#



#8

Chloroethane

Concen: 5.172 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.261 min

Lab File: VV033845.D

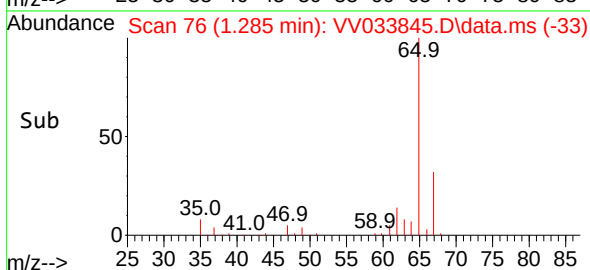
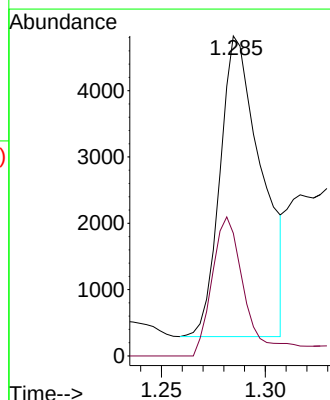
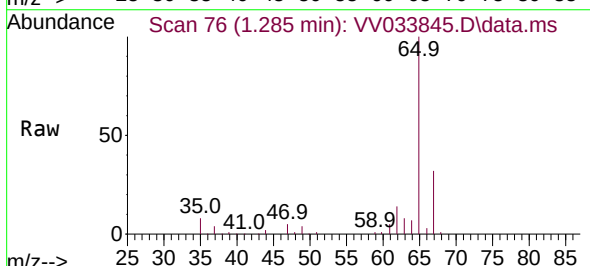
Acq: 24 Jan 2024 11:58

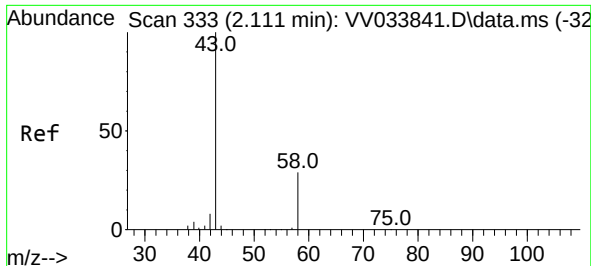
Tgt Ion: 64 Resp: 6302

Ion Ratio Lower Upper

64 100

66 38.3 22.5 41.9





#13

Acetone

Concen: 11.635 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033845.D

Acq: 24 Jan 2024 11:58

Instrument :

MSVOA_V

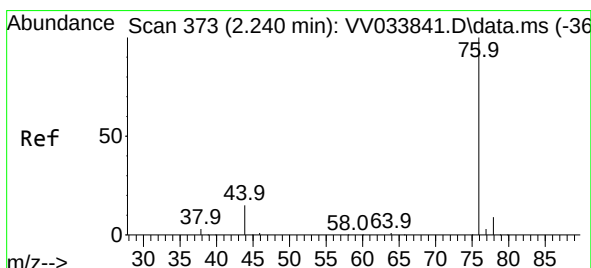
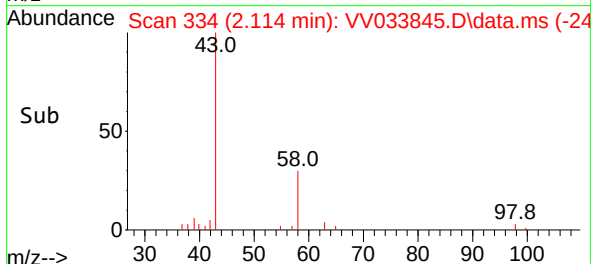
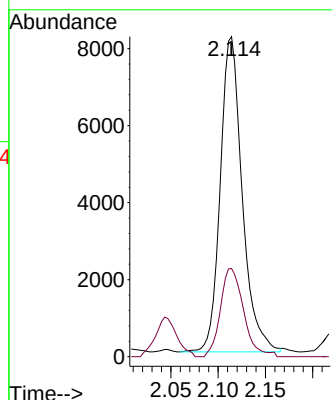
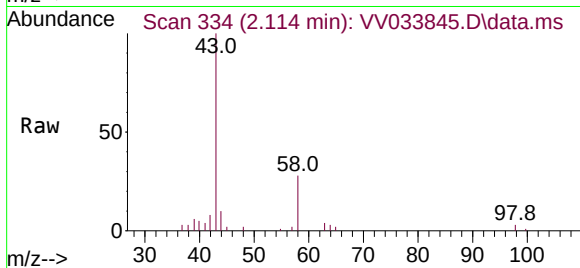
ClientSampleId :

Tgt Ion: 43 Resp: 13241

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.2



#14

Carbon disulfide

Concen: 1.150 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.006 min

Lab File: VV033845.D

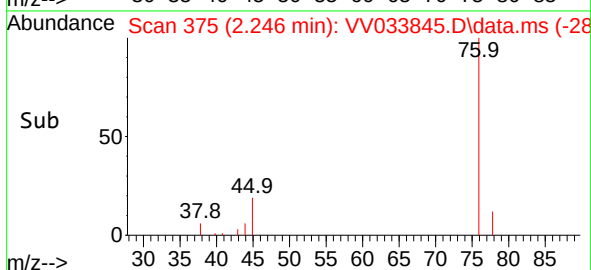
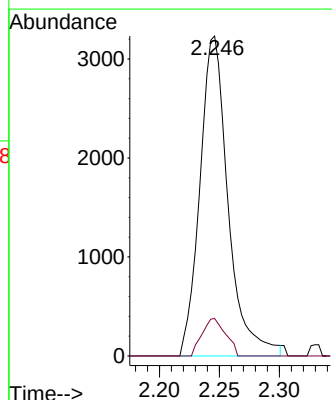
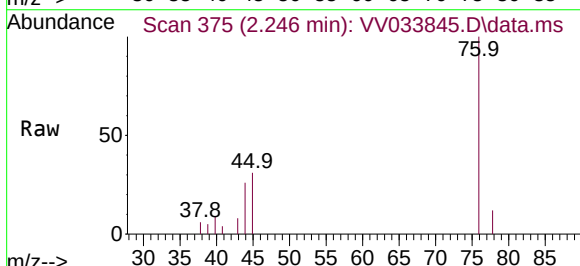
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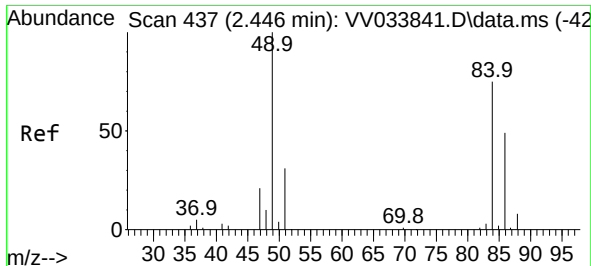
Tgt Ion: 76 Resp: 5298

Ion Ratio Lower Upper

76 100

78 11.7 7.1 10.7#

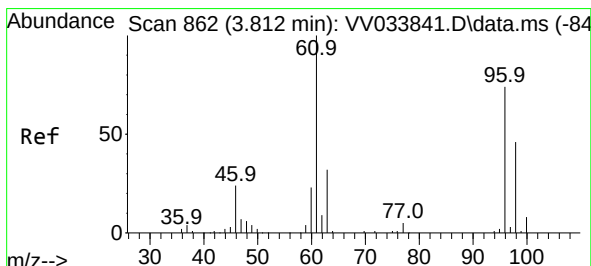
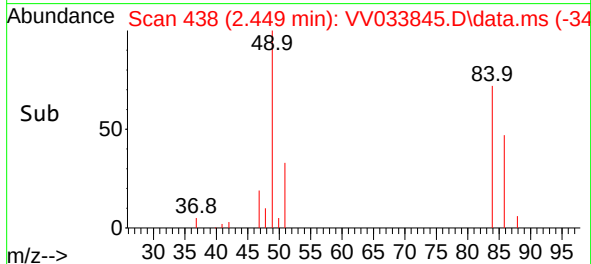
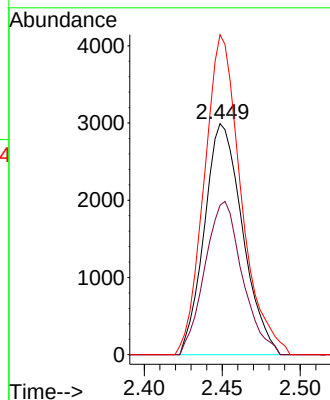
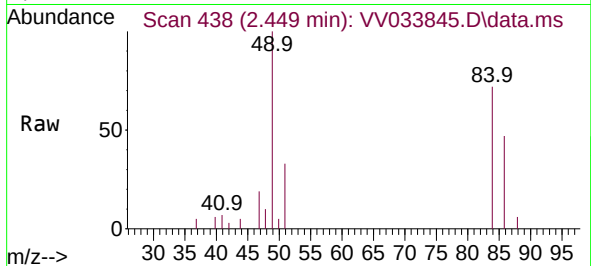




#16
Methylene chloride
Concen: 3.078 ug/L
RT: 2.449 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV033845.D
Acq: 24 Jan 2024 11:58

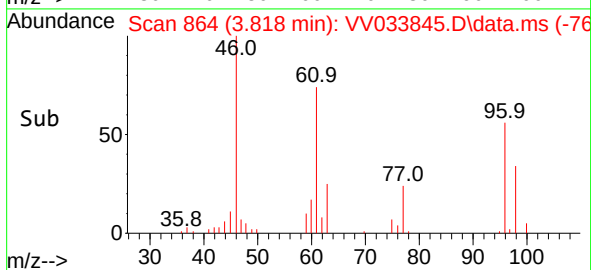
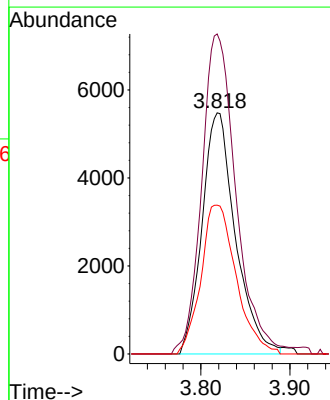
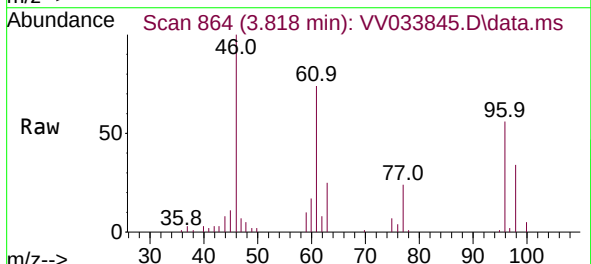
Instrument :
MSVOA_V
ClientSampleId :

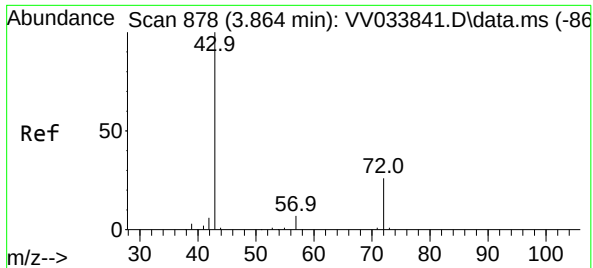
Tgt Ion: 84 Resp: 5088
Ion Ratio Lower Upper
84 100
86 64.7 43.9 81.5
49 138.5 98.3 182.5



#20
cis-1,2-Dichloroethene
Concen: 8.446 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.006 min
Lab File: VV033845.D
Acq: 24 Jan 2024 11:58

Tgt Ion: 96 Resp: 14228
Ion Ratio Lower Upper
96 100
61 132.7 100.6 186.8
98 61.7 44.6 82.8





#22

2-Butanone

Concen: 4.786 ug/L

RT: 3.889 min Scan# 81

Delta R.T. 0.025 min

Lab File: VV033845.D

Acq: 24 Jan 2024 11:58

Instrument :

MSVOA_V

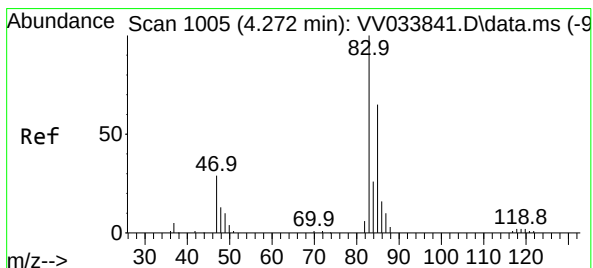
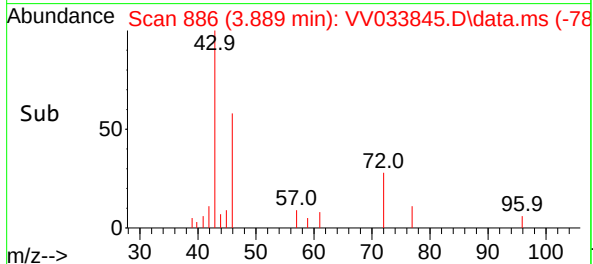
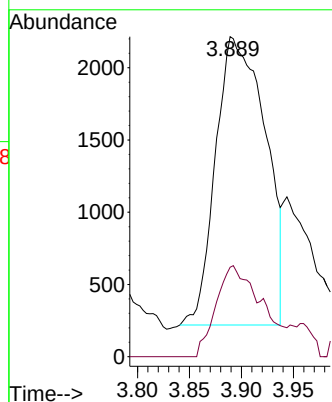
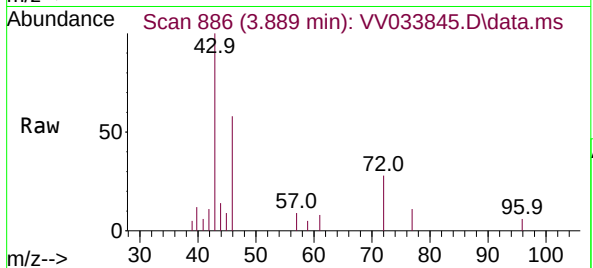
ClientSampleId :

Tgt Ion: 43 Resp: 6615

Ion Ratio Lower Upper

43 100

72 22.1 11.9 35.5



#25

Chloroform

Concen: 74.523 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV033845.D

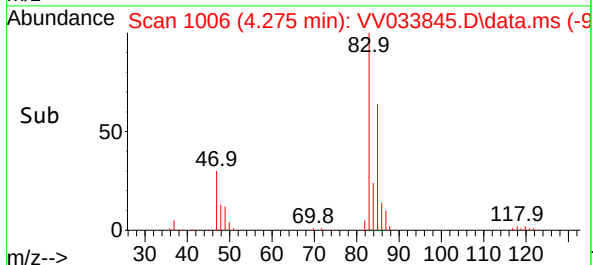
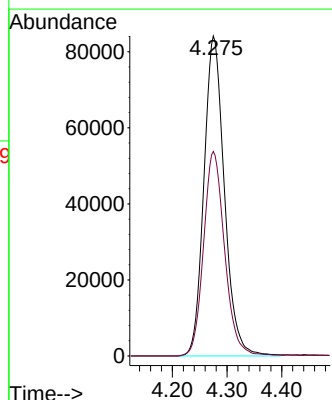
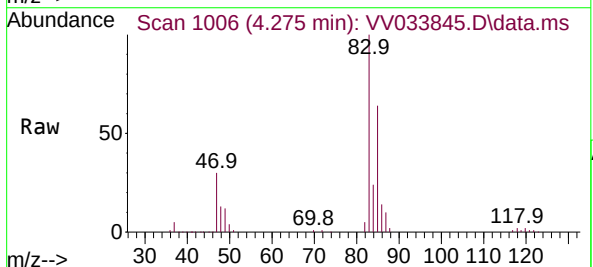
Acq: 24 Jan 2024 11:58

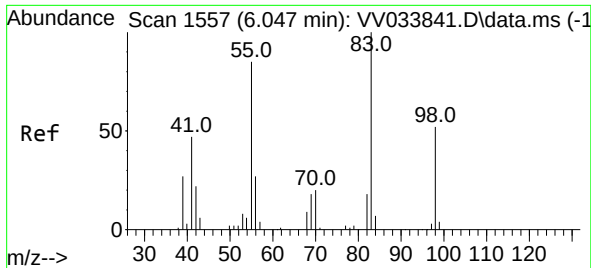
Tgt Ion: 83 Resp: 218653

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

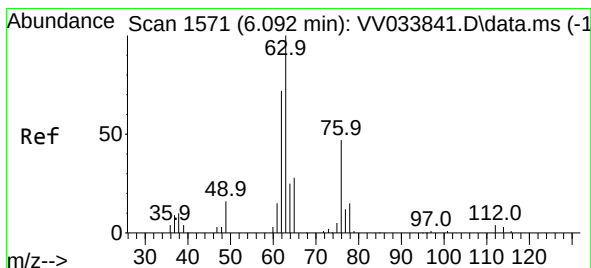
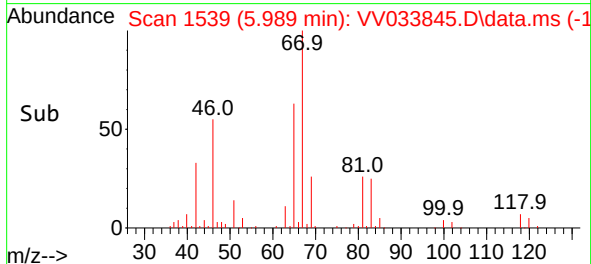
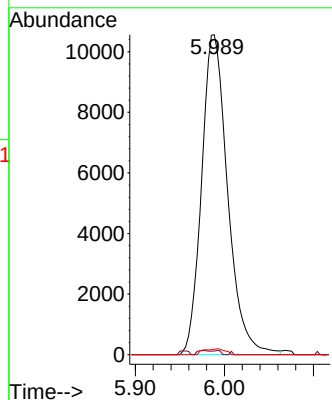
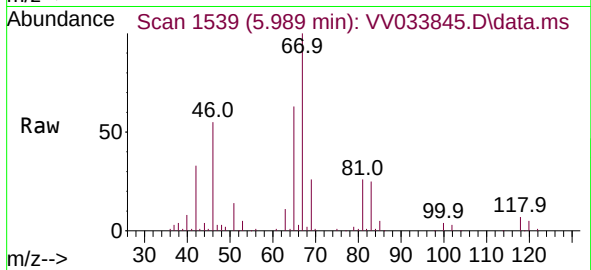




#35
Methylcyclohexane
Concen: 7.558 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.058 min
Lab File: VV033845.D
Acq: 24 Jan 2024 11:58

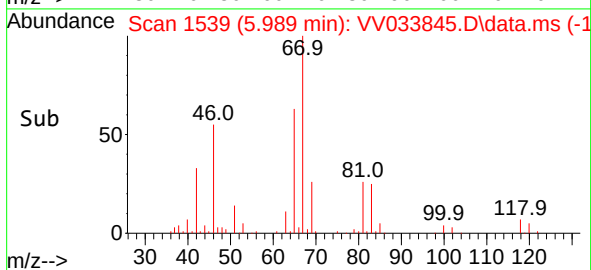
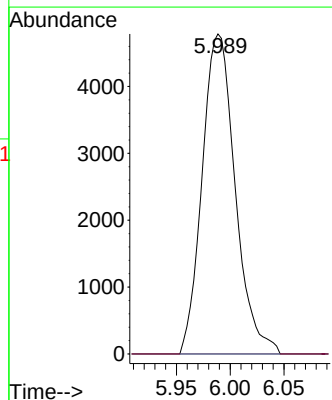
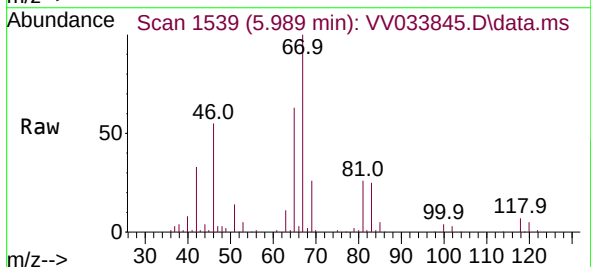
Instrument :
MSVOA_V
ClientSampleId :

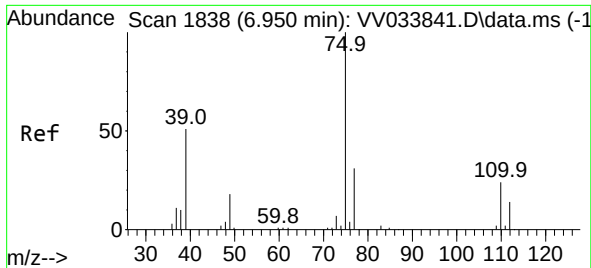
Tgt Ion: 83 Resp: 21481
Ion Ratio Lower Upper
83 100
55 0.3 67.1 100.7#
98 0.8 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 6.007 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.103 min
Lab File: VV033845.D
Acq: 24 Jan 2024 11:58

Tgt Ion: 63 Resp: 10233
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#39

cis-1,3-Dichloropropene

Concen: 1.105 ug/L

RT: 6.915 min Scan# 11

Delta R.T. -0.036 min

Lab File: VV033845.D

Acq: 24 Jan 2024 11:58

Instrument :

MSVOA_V

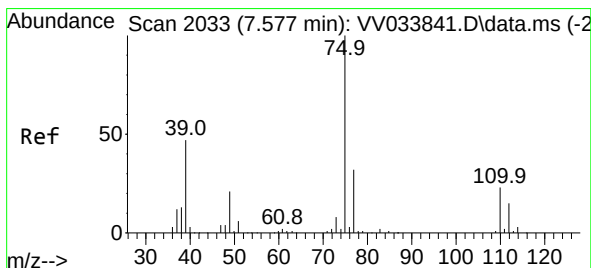
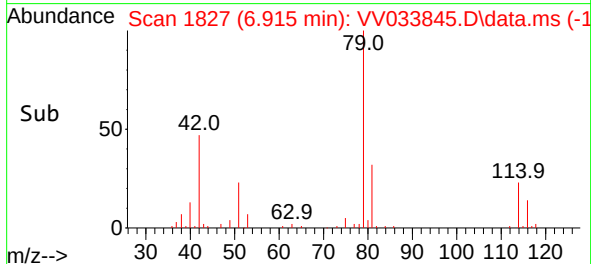
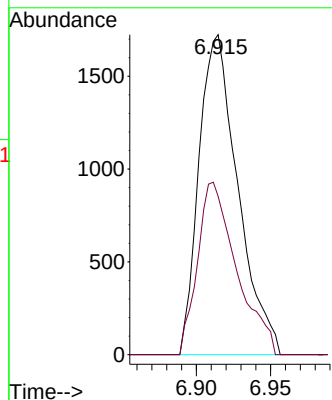
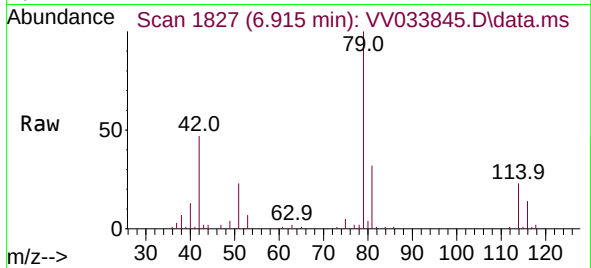
ClientSampleId :

Tgt Ion: 75 Resp: 3144

Ion Ratio Lower Upper

75 100

77 49.5 22.0 41.0#



#44

trans-1,3-Dichloropropene

Concen: 0.854 ug/L

RT: 7.551 min Scan# 2025

Delta R.T. -0.026 min

Lab File: VV033845.D

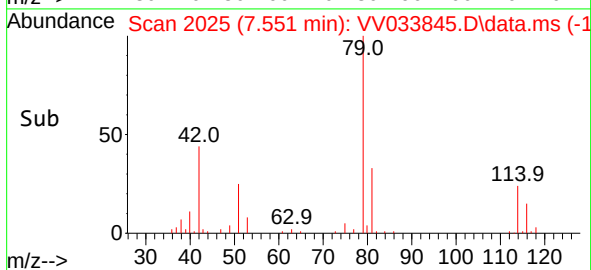
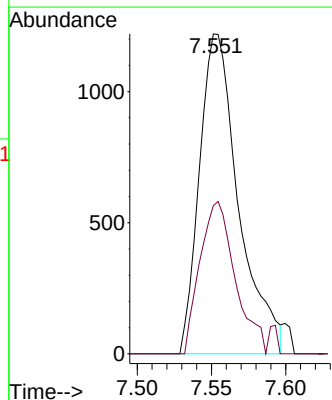
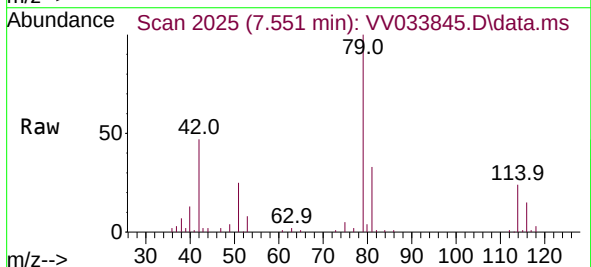
Acq: 24 Jan 2024 11:58

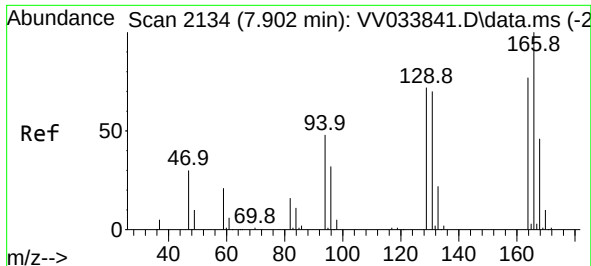
Tgt Ion: 75 Resp: 2239

Ion Ratio Lower Upper

75 100

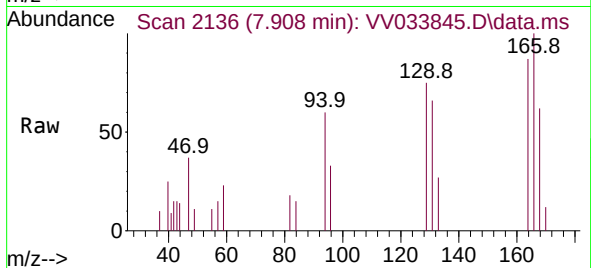
77 46.3 21.6 40.0#



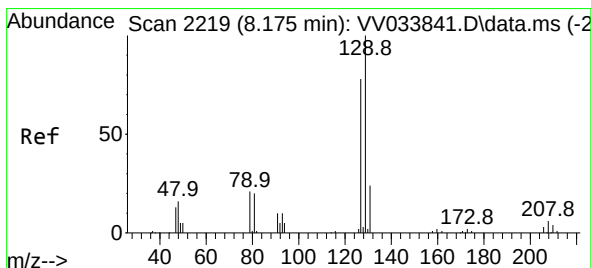
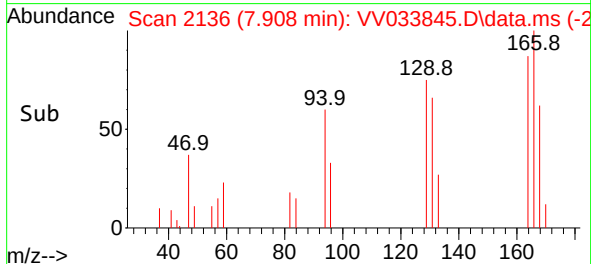
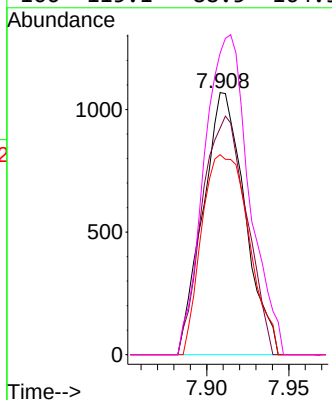


#46
Tetrachloroethene
Concen: 1.558 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV033845.D
Acq: 24 Jan 2024 11:58

Instrument :
MSVOA_V
ClientSampleId :

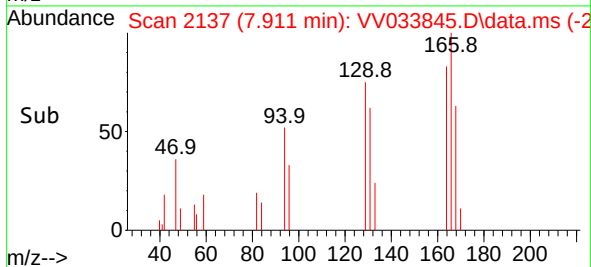
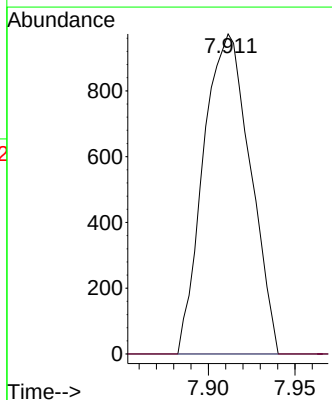
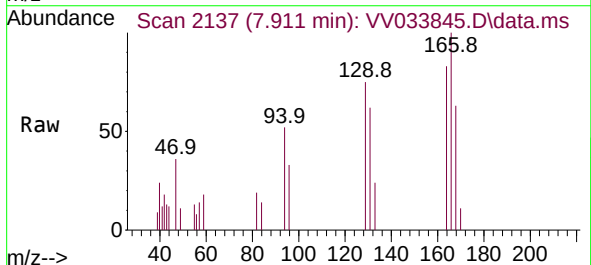


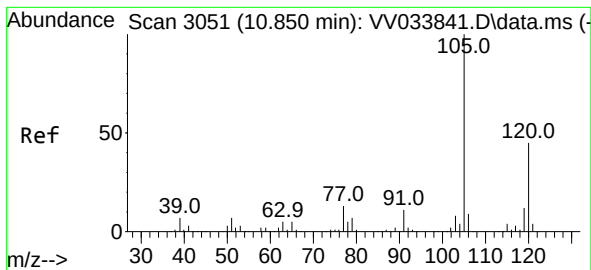
Tgt Ion:164 Resp: 1898
Ion Ratio Lower Upper
164 100
129 86.4 66.1 122.7
131 76.3 65.9 122.5
166 115.1 88.5 164.3



#49
Dibromochloromethane
Concen: 1.138 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.264 min
Lab File: VV033845.D
Acq: 24 Jan 2024 11:58

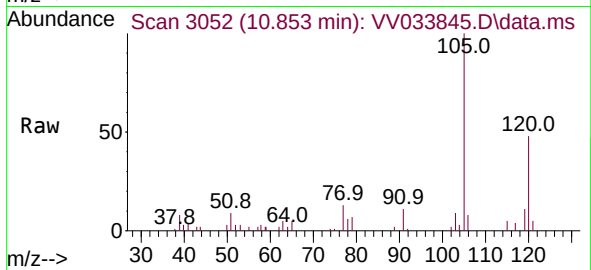
Tgt Ion:129 Resp: 1832
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.3#





#63
1,2,4-Trimethylbenzene
Concen: 2.453 ug/L
RT: 10.853 min Scan# 30
Delta R.T. 0.003 min
Lab File: VV033845.D
Acq: 24 Jan 2024 11:58

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:105 Resp: 14367
Ion Ratio Lower Upper
105 100
120 45.1 35.4 53.0

