

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072324\
 Data File : VW029702.D
 Acq On : 23 Jul 2024 13:54
 Operator : SY/MD
 Sample : P3278-17
 Misc : 8.60g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 01:15:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 24 01:12:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	2671	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.636	117	1885	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.562	152	324	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	1015	23.524	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.080%
7) Chloroethane-d5	2.899	69	963	30.996	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	124.000%
11) 1,1-Dichloroethene-d2	4.015	65	217	11.200	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	44.800%#
21) 2-Butanone-d5	7.088	46	44	3.397	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	6.800%#
24) Chloroform-d	7.642	84	1127	14.595	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	58.400%
26) 1,2-Dichloroethane-d4	8.313	65	1169	25.811	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.240%
32) Benzene-d6	8.283	84	2873	25.442	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.760%
36) 1,2-Dichloropropane-d6	9.270	67	839	23.238	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.960%
41) Toluene-d8	10.325	98	1885	18.981	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.920%
43) trans-1,3-Dichloroprop...	10.569	79	86	5.625	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	22.480%#
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	767	26.165	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.640%
66) 1,2-Dichlorobenzene-d4	13.849	152	287	25.435	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.760%
Target Compounds						
					Qvalue	
3) Chloromethane	2.217	50	74	2.115	ug/L #	1
5) Vinyl chloride	2.393	62	48	1.202	ug/L #	39
8) Chloroethane	2.576	64	83	3.378	ug/L #	43
13) Acetone	4.137	43	131	10.021	ug/L #	12
14) Carbon disulfide	4.405	76	54	0.501	ug/L #	76
15) Methyl Acetate	4.686	43	50	2.178	ug/L #	56
16) Methylene chloride	4.923	84	169	3.534	ug/L #	58
19) 1,1-Dichloroethane	5.984	63	48	0.636	ug/L #	51
22) 2-Butanone	7.161	43	100	5.827	ug/L #	51
25) Chloroform	7.679	83	53	0.725	ug/L #	19
27) 1,2-Dichloroethane	8.362	62	40	0.730	ug/L #	78
29) Cyclohexane	7.972	56	102	2.173	ug/L #	20
34) Trichloroethene	9.148	95	39	1.252	ug/L #	6
35) Methylcyclohexane	9.288	83	88	1.758	ug/L #	45
37) 1,2-Dichloropropane	9.288	63	103	3.158	ug/L #	88
39) cis-1,3-Dichloropropene	9.807	75	20	0.408	ug/L #	43
40) 4-Methyl-2-pentanone	10.197	43	66	2.871	ug/L #	46
42) Toluene	10.111	91	46	0.381	ug/L #	21
46) Tetrachloroethene	10.861	164	236	10.666	ug/L #	73

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Quant Time: Jul 24 01:15:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jul 24 01:12:32 2024
Response via : Initial Calibration

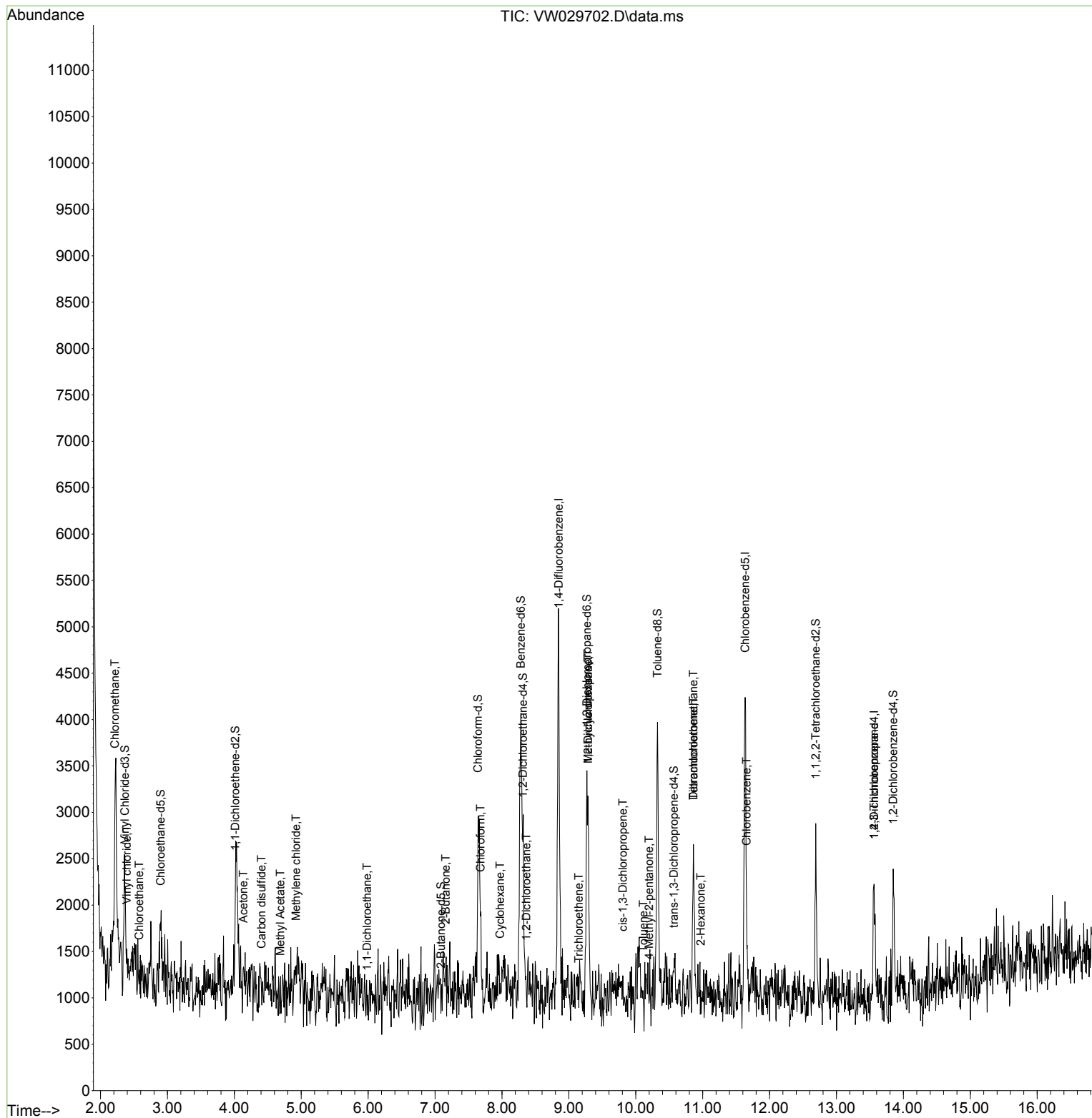
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	10.971	43	57	3.301	ug/L #	41
49) Dibromochloromethane	10.861	129	276	11.307	ug/L #	12
51) Chlorobenzene	11.654	112	40	0.513	ug/L #	27
61) 1,2,3-Trichloropropane	13.562	75	72	9.182	ug/L #	40

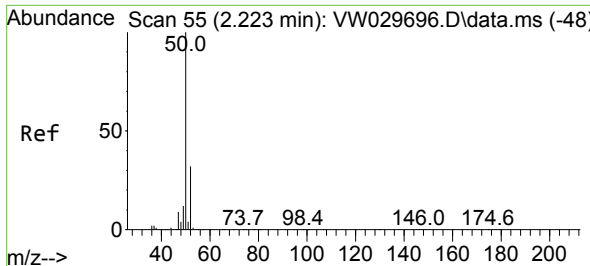
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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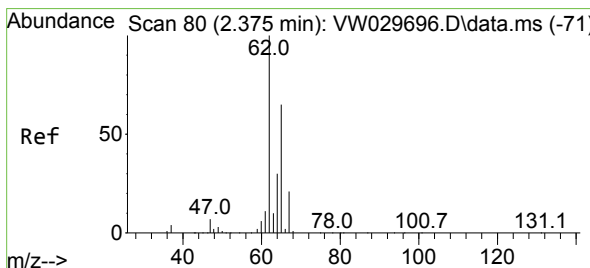
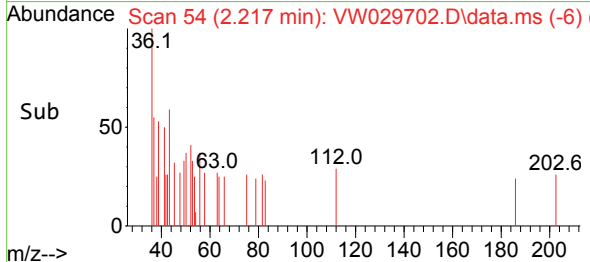
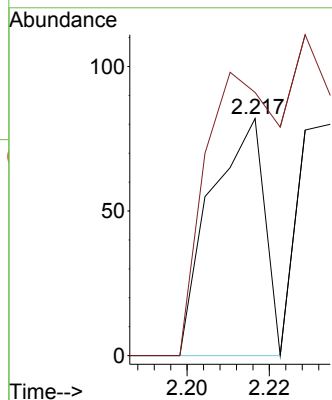
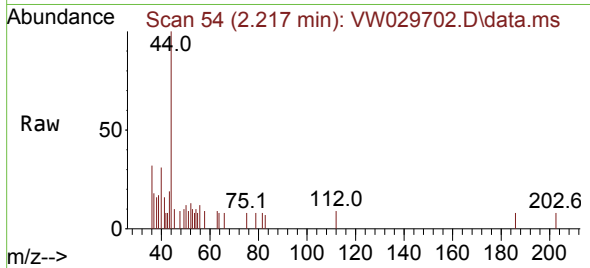




#3
Chloromethane
Concen: 2.115 ug/L
RT: 2.217 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

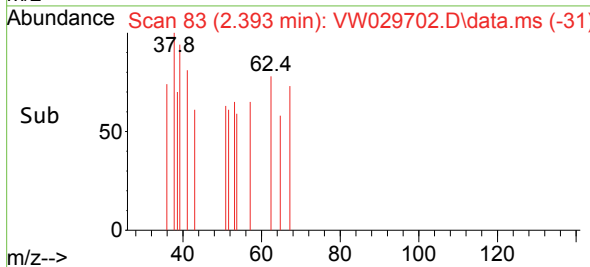
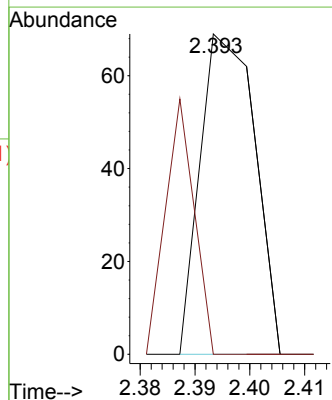
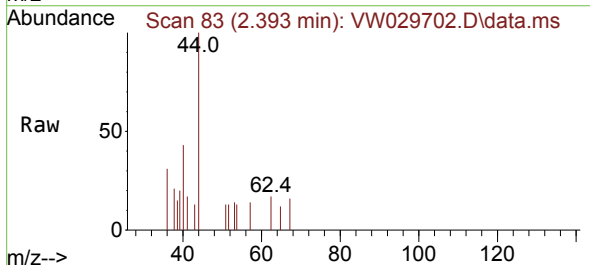
Instrument :
MSVOA_W
ClientSampleId :

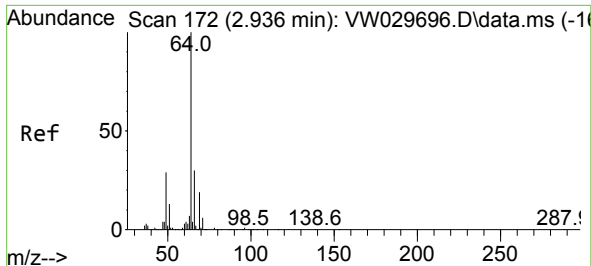
Tgt Ion: 50 Resp: 74
Ion Ratio Lower Upper
50 100
52 111.0 24.4 45.2#



#5
Vinyl chloride
Concen: 1.202 ug/L
RT: 2.393 min Scan# 83
Delta R.T. 0.018 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

Tgt Ion: 62 Resp: 48
Ion Ratio Lower Upper
62 100
64 0.0 25.1 46.5#

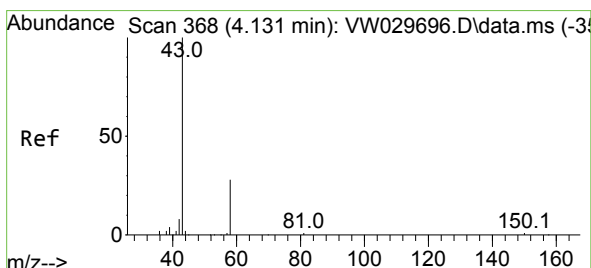
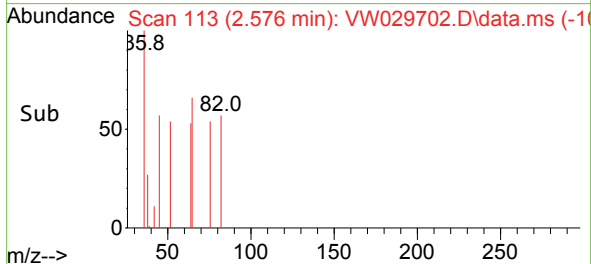
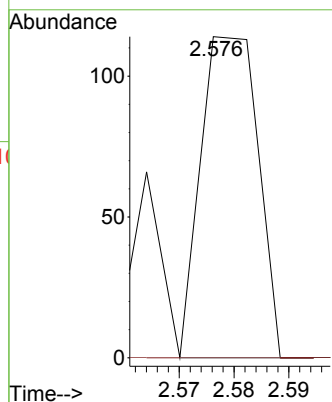
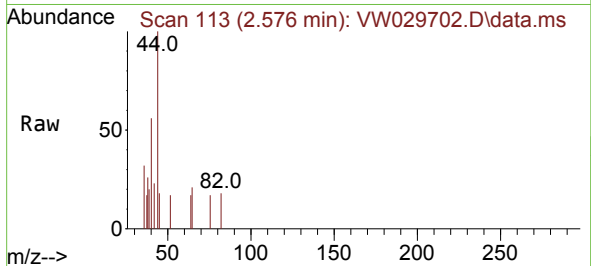




#8
Chloroethane
Concen: 3.378 ug/L
RT: 2.576 min Scan# 113
Delta R.T. -0.360 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

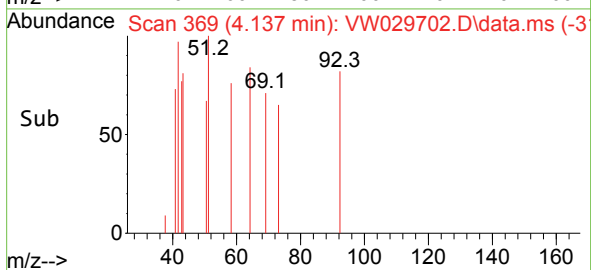
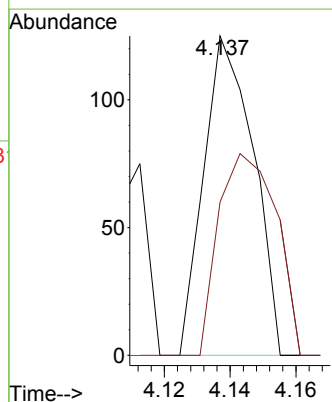
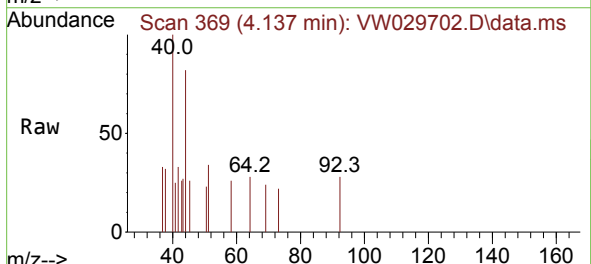
Instrument :
MSVOA_W
ClientSampleId :

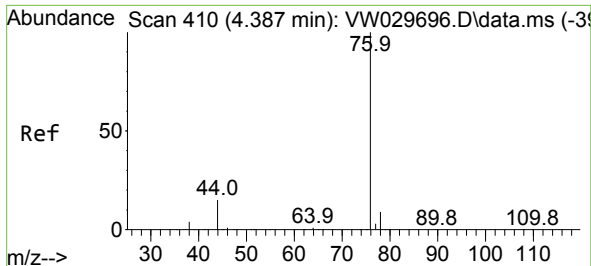
Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.3#



#13
Acetone
Concen: 10.021 ug/L
RT: 4.137 min Scan# 369
Delta R.T. 0.006 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
58 74.0 0.0 55.6#

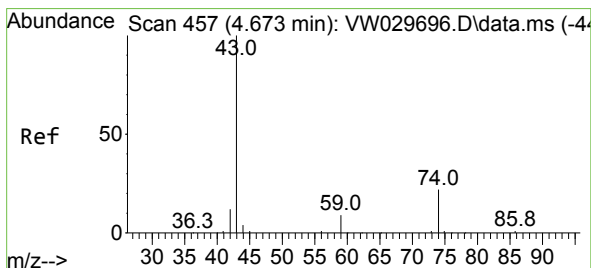
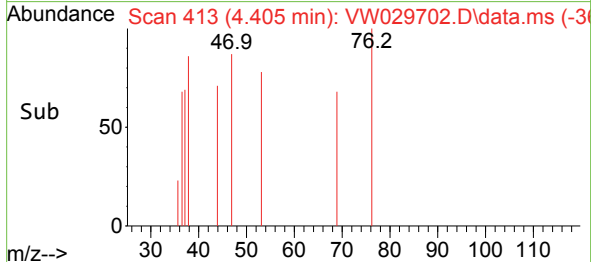
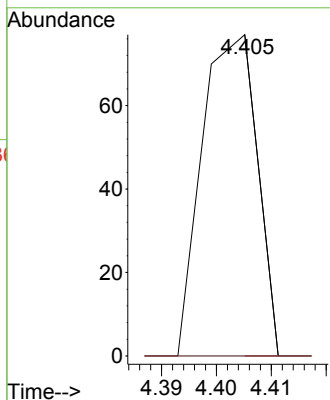
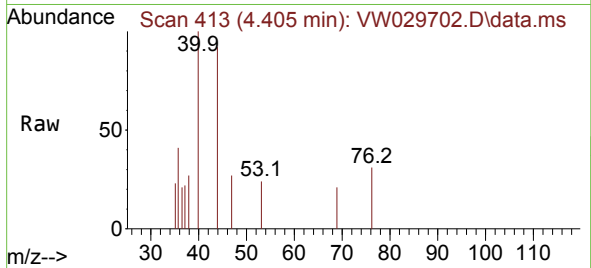




#14
Carbon disulfide
Concen: 0.501 ug/L
RT: 4.405 min Scan# 410
Delta R.T. 0.018 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

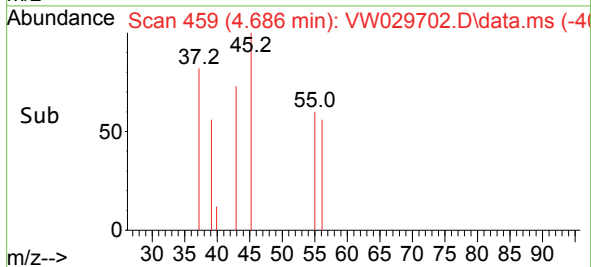
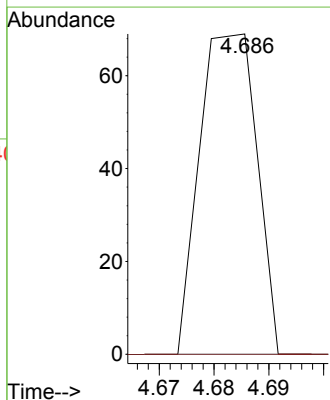
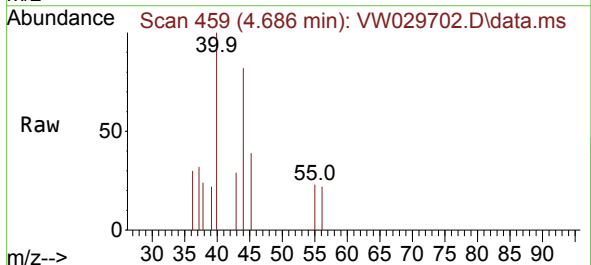
Instrument :
MSVOA_W
ClientSampleId :

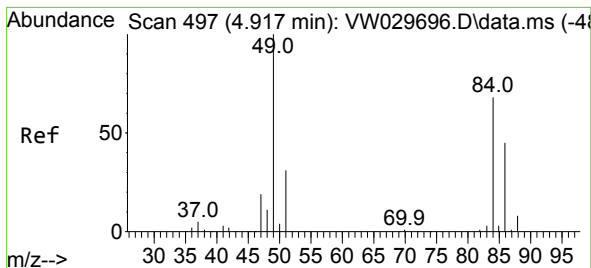
Tgt Ion: 76 Resp: 54
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#15
Methyl Acetate
Concen: 2.178 ug/L
RT: 4.686 min Scan# 459
Delta R.T. 0.012 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
74 0.0 16.2 24.4#





#16

Methylene chloride

Concen: 3.534 ug/L

RT: 4.923 min Scan# 498

Delta R.T. 0.006 min

Lab File: VW029702.D

Acq: 23 Jul 2024 13:54

Instrument :

MSVOA_W

ClientSampleId :

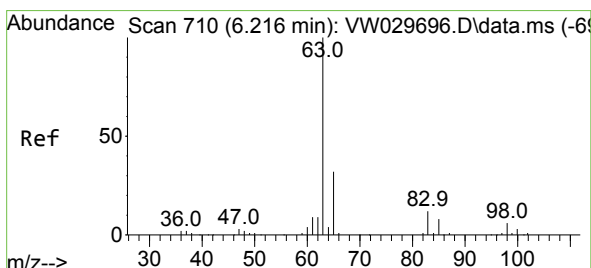
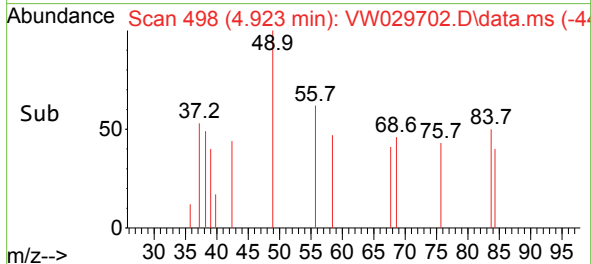
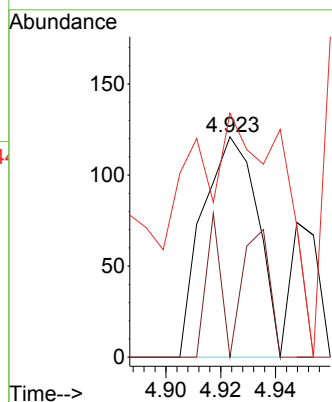
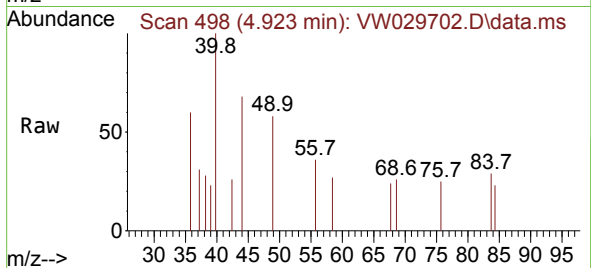
Tgt Ion: 84 Resp: 169

Ion Ratio Lower Upper

84 100

86 0.0 46.2 85.8#

49 110.7 96.7 179.7



#19

1,1-Dichloroethane

Concen: 0.636 ug/L

RT: 5.984 min Scan# 672

Delta R.T. -0.232 min

Lab File: VW029702.D

Acq: 23 Jul 2024 13:54

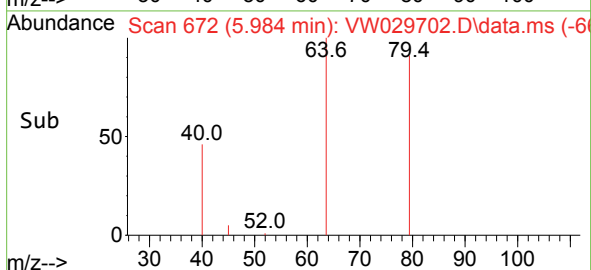
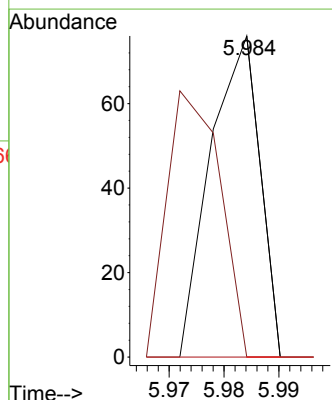
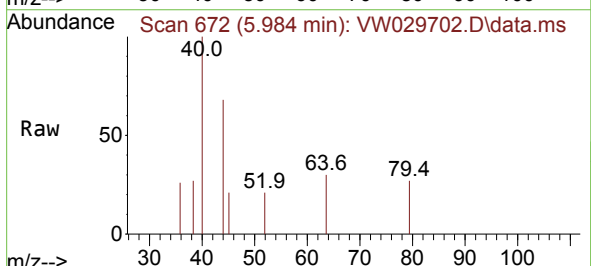
Tgt Ion: 63 Resp: 48

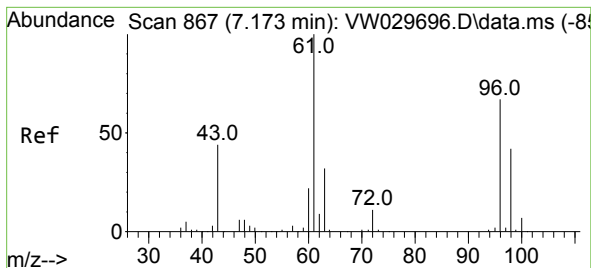
Ion Ratio Lower Upper

63 100

65 0.0 21.5 39.9#

83 0.0 8.7 16.1#

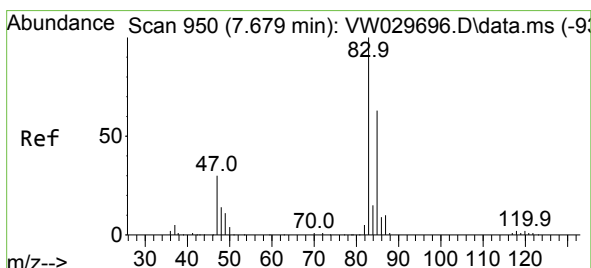
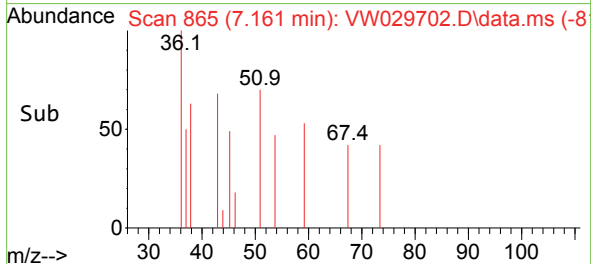
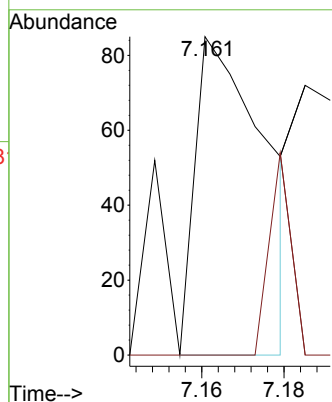
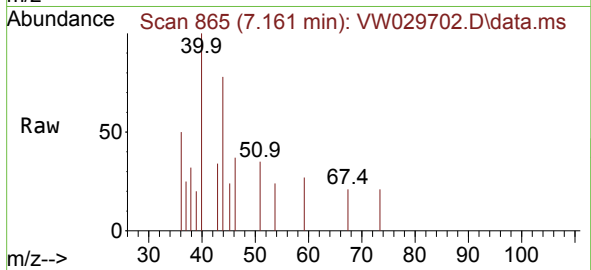




#22
2-Butanone
Concen: 5.827 ug/L
RT: 7.161 min Scan# 865
Delta R.T. -0.012 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

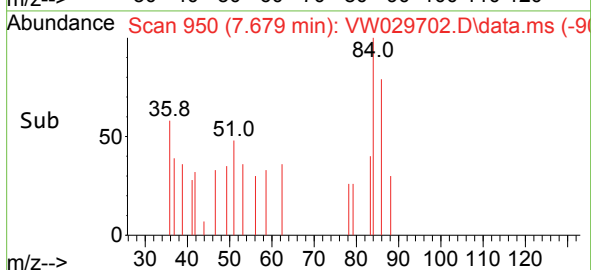
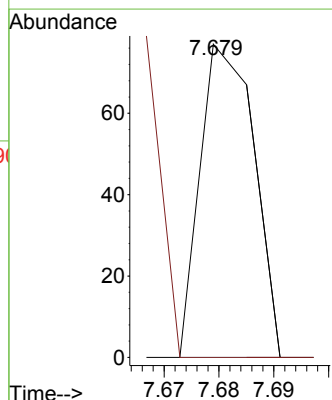
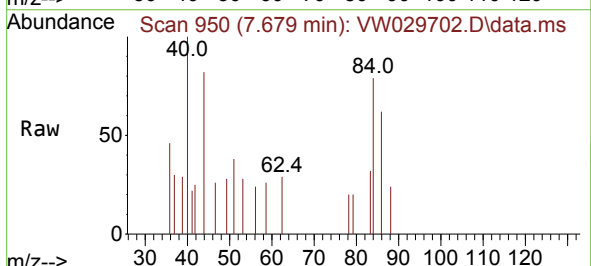
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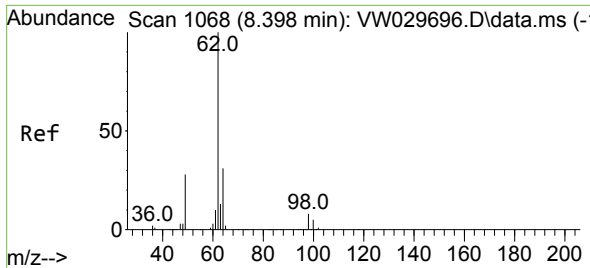
Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
72 0.0 12.0 36.1#



#25
Chloroform
Concen: 0.725 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
85 0.0 44.1 81.9#

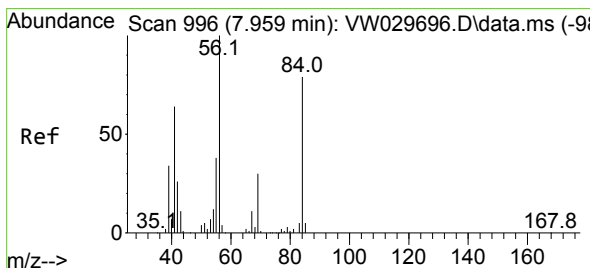
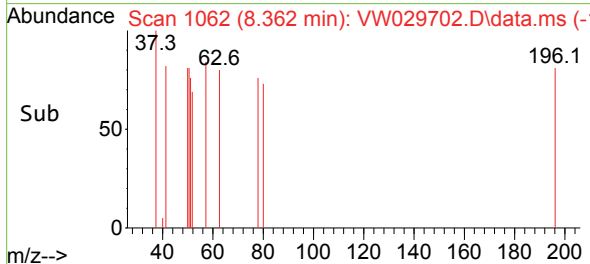
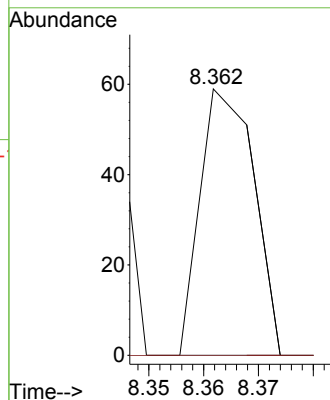
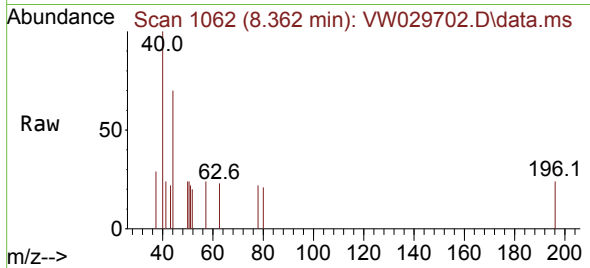




#27
1,2-Dichloroethane
Concen: 0.730 ug/L
RT: 8.362 min Scan# 1062
Delta R.T. -0.036 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

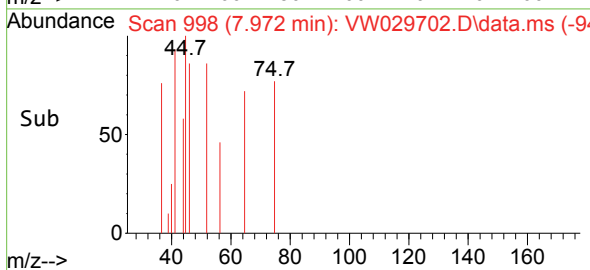
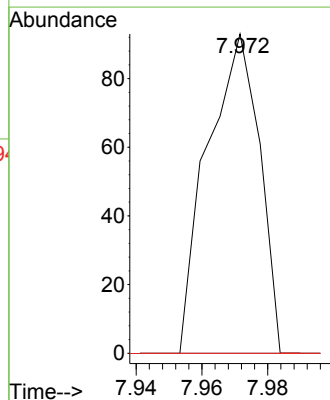
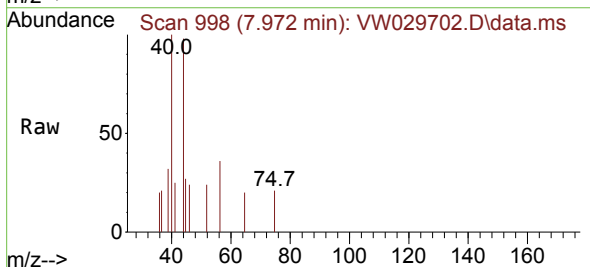
Instrument :
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ClientSampleId :

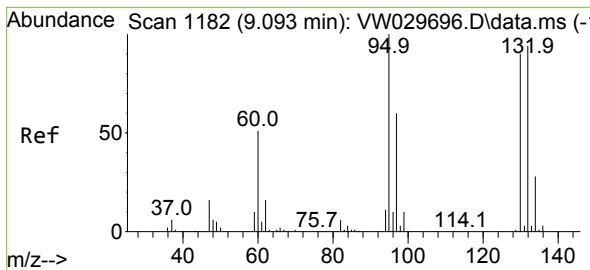
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Ion Ratio Lower Upper
62 100
98 0.0 6.0 9.0#



#29
Cyclohexane
Concen: 2.173 ug/L
RT: 7.972 min Scan# 998
Delta R.T. 0.012 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
69 0.0 23.3 34.9#
84 0.0 63.1 94.7#





#34

Trichloroethene

Concen: 1.252 ug/L

RT: 9.148 min Scan# 1182

Delta R.T. 0.055 min

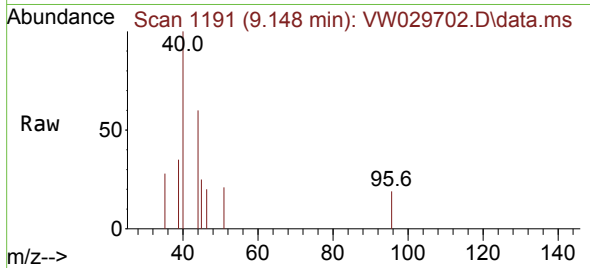
Lab File: VW029702.D

Acq: 23 Jul 2024 13:54

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 39

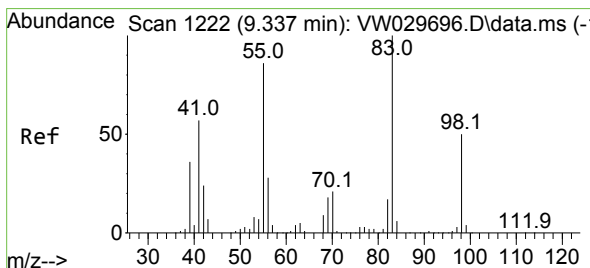
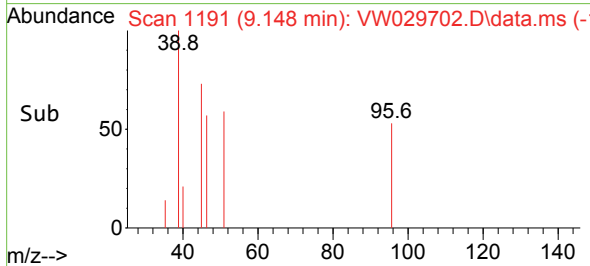
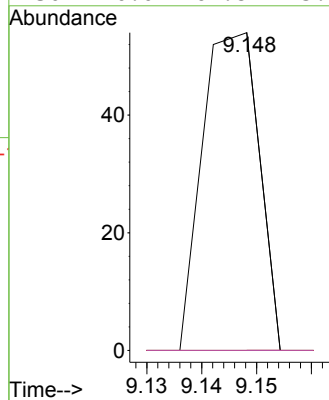
Ion Ratio Lower Upper

95 100

97 0.0 47.3 87.9#

132 0.0 65.8 122.2#

130 0.0 67.8 125.8#



#35

Methylcyclohexane

Concen: 1.758 ug/L

RT: 9.288 min Scan# 1214

Delta R.T. -0.049 min

Lab File: VW029702.D

Acq: 23 Jul 2024 13:54

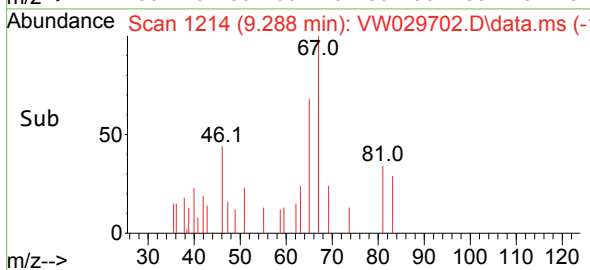
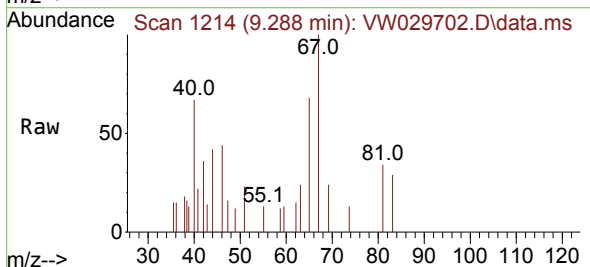
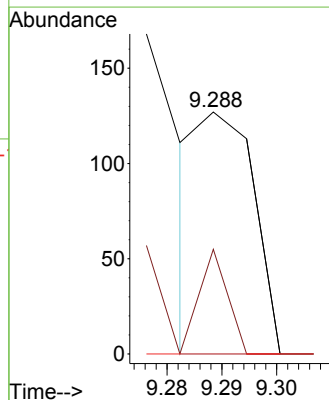
Tgt Ion: 83 Resp: 88

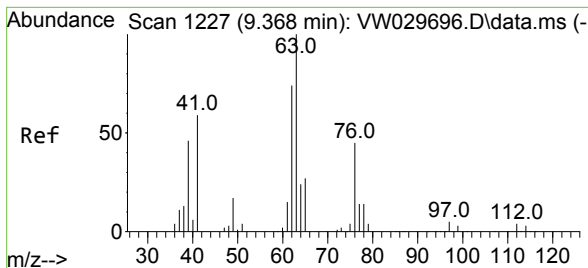
Ion Ratio Lower Upper

83 100

55 44.3 69.6 104.4#

98 0.0 38.3 57.5#

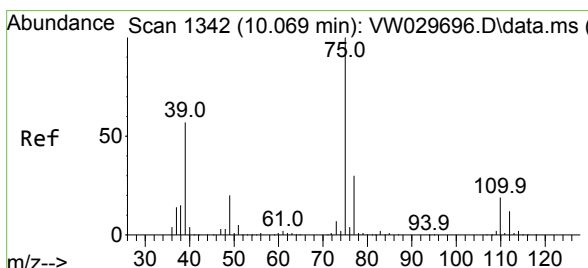
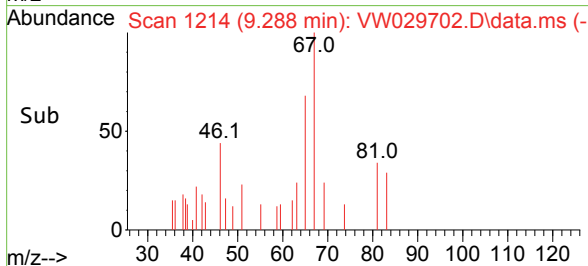
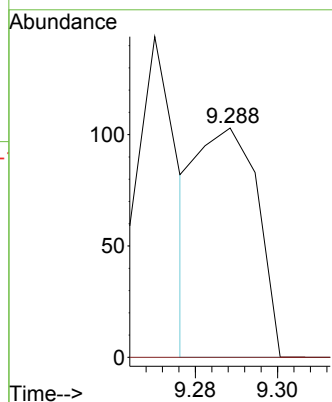
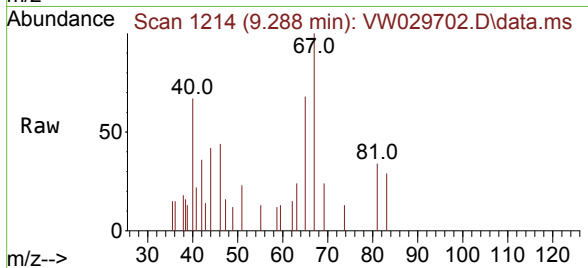




#37
1,2-Dichloropropane
Concen: 3.158 ug/L
RT: 9.288 min Scan# 11
Delta R.T. -0.079 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

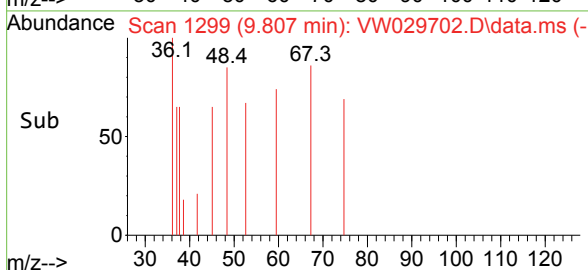
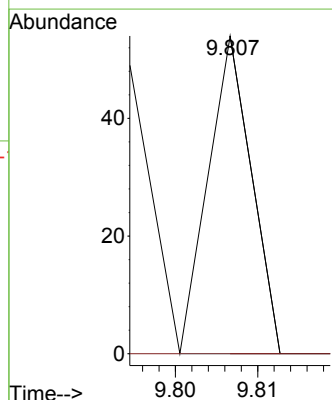
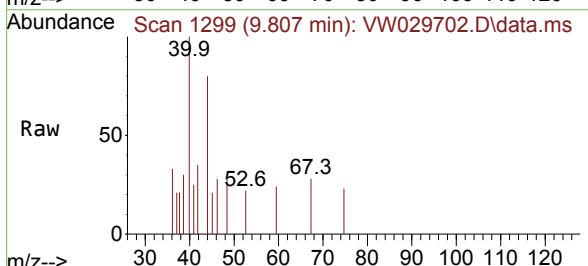
Instrument :
MSVOA_W
ClientSampleId :

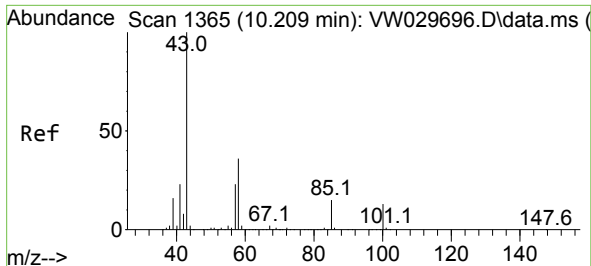
Tgt Ion: 63 Resp: 103
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#39
cis-1,3-Dichloropropene
Concen: 0.408 ug/L
RT: 9.807 min Scan# 1299
Delta R.T. -0.262 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 22.2 41.2#

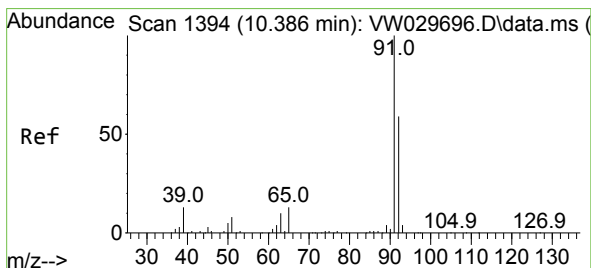
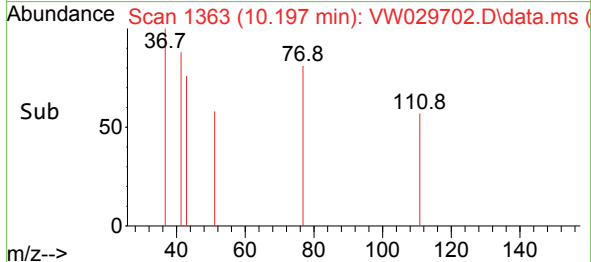
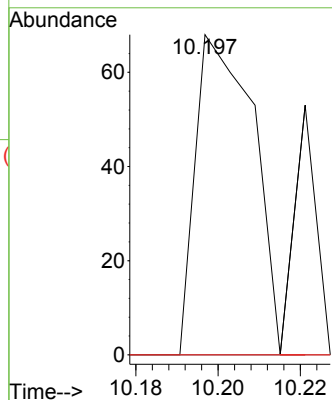
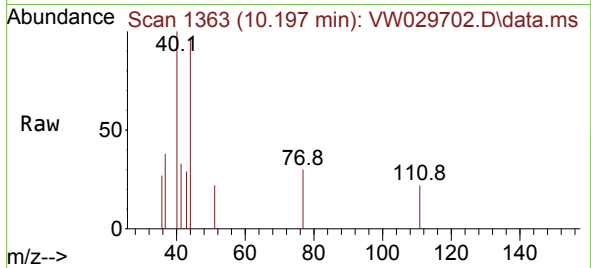




#40
4-Methyl-2-pentanone
Concen: 2.871 ug/L
RT: 10.197 min Scan# 1363
Delta R.T. -0.012 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

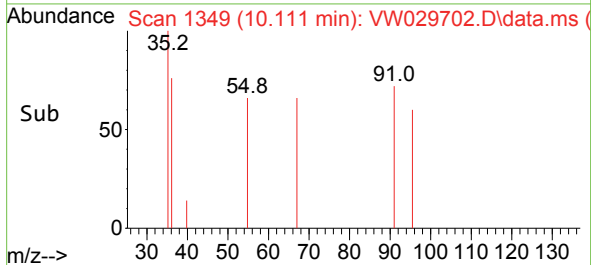
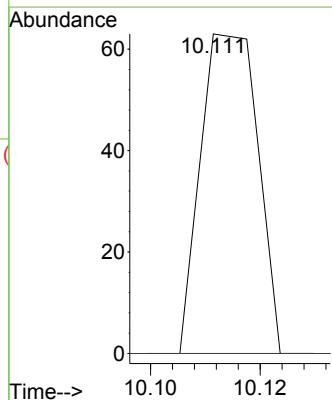
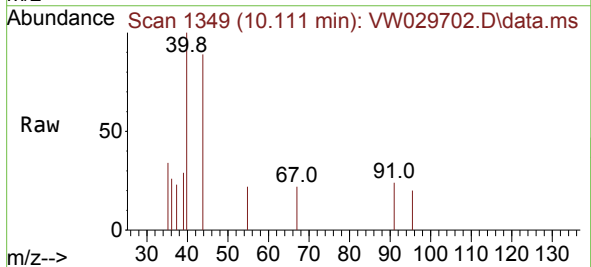
Instrument :
MSVOA_W
ClientSampleId :

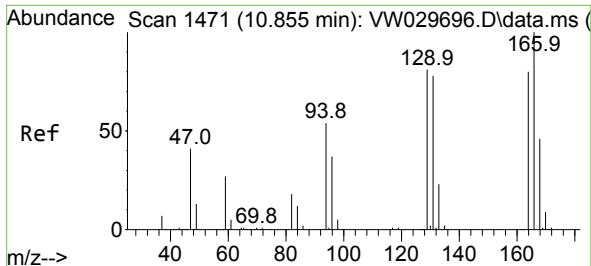
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#
100 0.0 10.5 15.7#



#42
Toluene
Concen: 0.381 ug/L
RT: 10.111 min Scan# 1349
Delta R.T. -0.274 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

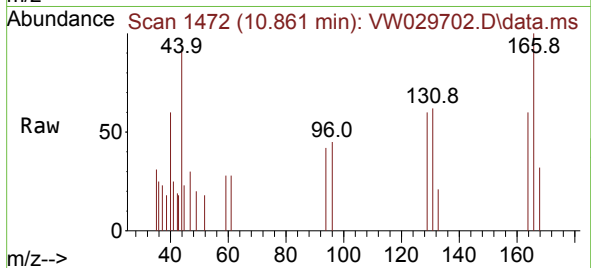
Tgt Ion: 91 Resp: 46
Ion Ratio Lower Upper
91 100
92 0.0 41.1 76.3#



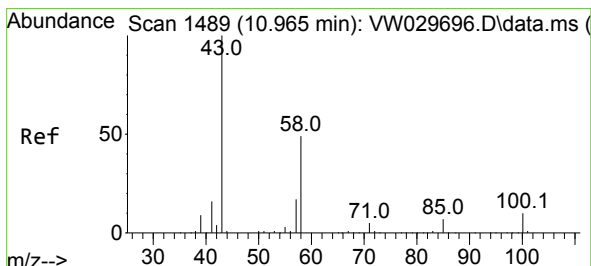
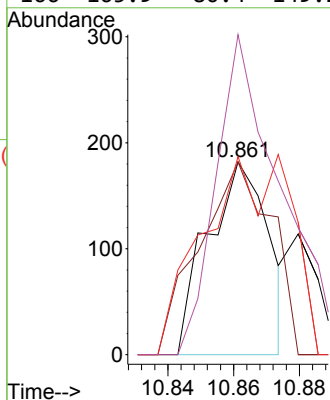
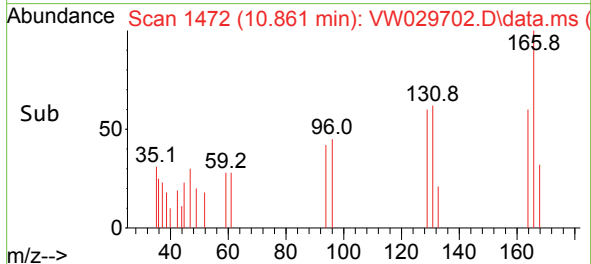


#46
Tetrachloroethene
Concen: 10.666 ug/L
RT: 10.861 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

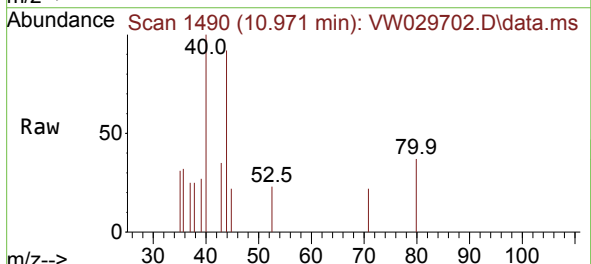
Instrument :
MSVOA_W
ClientSampleId :



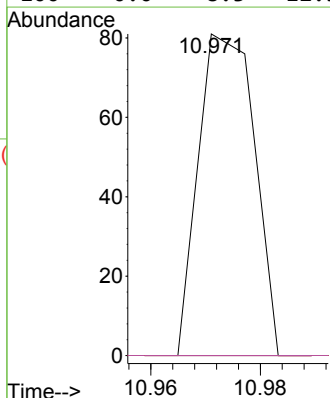
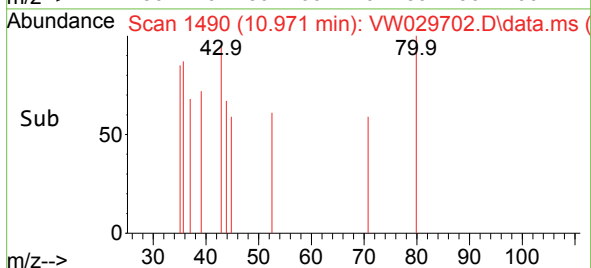
Tgt Ion:164 Resp: 236
Ion Ratio Lower Upper
164 100
129 100.0 60.0 111.4
131 102.7 64.6 120.0
166 165.9 80.4 149.2#

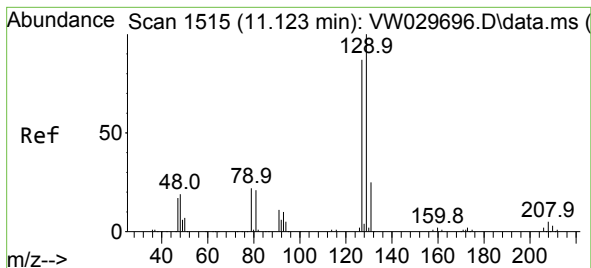


#48
2-Hexanone
Concen: 3.301 ug/L
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54



Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 39.8 59.8#
57 0.0 14.6 21.8#
100 0.0 8.3 12.5#





#49

Dibromochloromethane

Concen: 11.307 ug/L

RT: 10.861 min Scan# 14

Delta R.T. -0.262 min

Lab File: VW029702.D

Acq: 23 Jul 2024 13:54

Instrument :

MSVOA_W

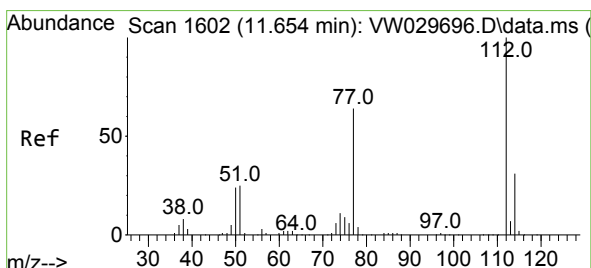
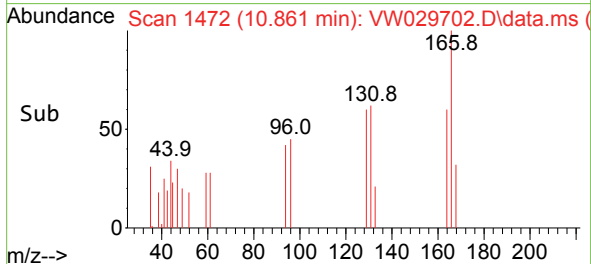
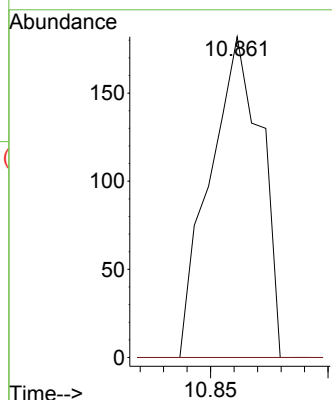
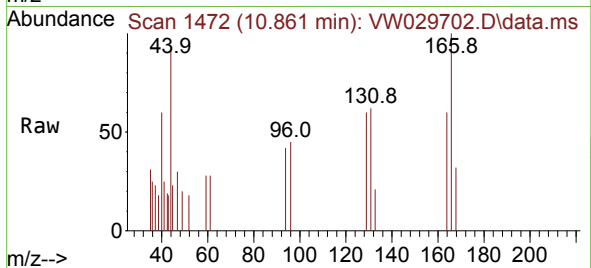
ClientSampleId :

Tgt Ion:129 Resp: 276

Ion Ratio Lower Upper

129 100

127 0.0 51.9 96.3#



#51

Chlorobenzene

Concen: 0.513 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW029702.D

Acq: 23 Jul 2024 13:54

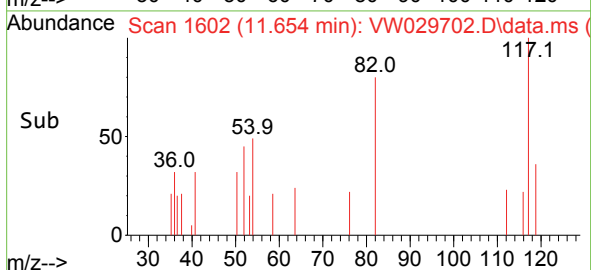
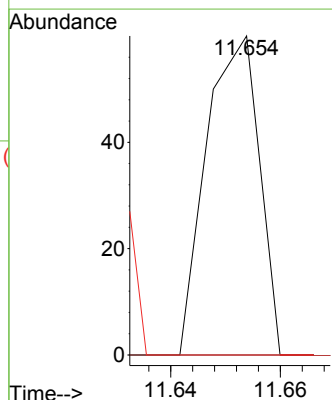
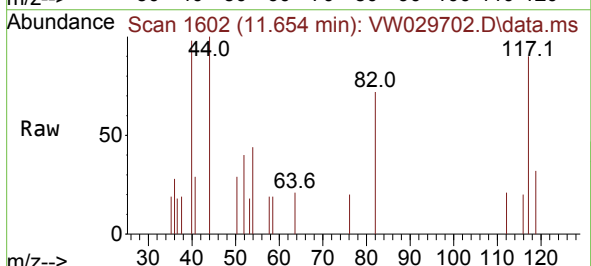
Tgt Ion:112 Resp: 40

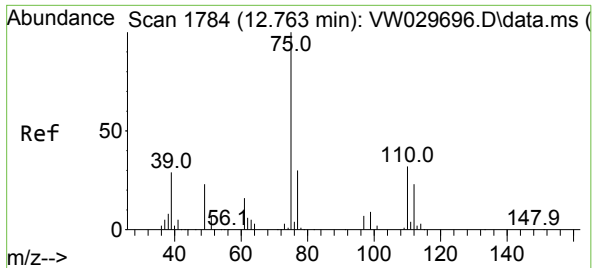
Ion Ratio Lower Upper

112 100

114 0.0 22.6 42.0#

77 0.0 49.9 74.9#





#61
1,2,3-Trichloropropane
Concen: 9.182 ug/L
RT: 13.562 min Scan# 1915
Delta R.T. 0.799 min
Lab File: VW029702.D
Acq: 23 Jul 2024 13:54

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
110 0.0 29.1 43.7#

