

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120624\
 Data File : VW031151.D
 Acq On : 06 Dec 2024 15:24
 Operator : SY/MD
 Sample : P5066-16
 Misc : 4.91g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 23:40:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 06 23:31:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	94944	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.629	117	22304	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	3148	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.356	65	86954	59.513	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 238.040%#	
7) Chloroethane-d5	2.899	69	58693	51.777	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 207.120%#	
11) 1,1-Dichloroethene-d2	4.015	65	20049	30.076	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 120.320%#	
21) 2-Butanone-d5	7.100	46	35479	138.846	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 277.700%#	
24) Chloroform-d	7.648	84	108667	39.078	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 156.320%#	
26) 1,2-Dichloroethane-d4	8.398	65	107	0.078	ug/L	0.10
Spiked Amount	25.000	Range	70 - 130	Recovery	= 0.320%#	
32) Benzene-d6	8.276	84	155604	113.509	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 454.040%#	
36) 1,2-Dichloropropane-d6	9.270	67	71100	177.063	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 708.240%#	
41) Toluene-d8	10.318	98	51896	41.949	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 167.800%#	
43) trans-1,3-Dichloroprop...	10.581	79	4622	28.590	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 114.360%	
47) 2-Hexanone-d5	10.928	63	12718	270.333	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 540.660%#	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	49265	181.789	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 727.160%#	
66) 1,2-Dichlorobenzene-d4	13.848	152	3640	32.554	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 130.200%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.369	62	892	0.525	ug/L	# 1
13) Acetone	4.173	43	16420	35.692	ug/L	63
14) Carbon disulfide	4.387	76	31639	7.155	ug/L	98
15) Methyl Acetate	4.679	43	750	1.554	ug/L	# 49
29) Cyclohexane	7.953	56	22500	40.077	ug/L	90
33) Benzene	8.325	78	69892	46.339	ug/L	100
34) Trichloroethene	9.087	95	10761	25.865	ug/L	90
35) Methylcyclohexane	9.331	83	19421	29.335	ug/L	# 81
39) cis-1,3-Dichloropropene	10.032	75	516	0.911	ug/L	85
42) Toluene	10.386	91	46813	29.464	ug/L	89
45) 1,1,2-Trichloroethane	10.757	97	938	3.638	ug/L	# 33
48) 2-Hexanone	10.983	43	201	1.322	ug/L	# 61
50) 1,2-Dibromoethane	11.227	107	192	0.797	ug/L	# 36
52) Ethylbenzene	11.727	91	5949	3.304	ug/L	87
53) m,p-Xylene	11.830	106	2794	4.170	ug/L	98
54) o-Xylene	12.153	106	1492	2.393	ug/L	86
59) Bromoform	12.611	173	62	1.348	ug/L	# 38
60) Isopropylbenzene	13.092	105	878	1.728	ug/L	94
61) 1,2,3-Trichloropropane	13.269	75	62	1.054	ug/L	# 1

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Quant Title : SFAM01.0
QLast Update : Fri Dec 06 23:31:46 2024
Response via : Initial Calibration

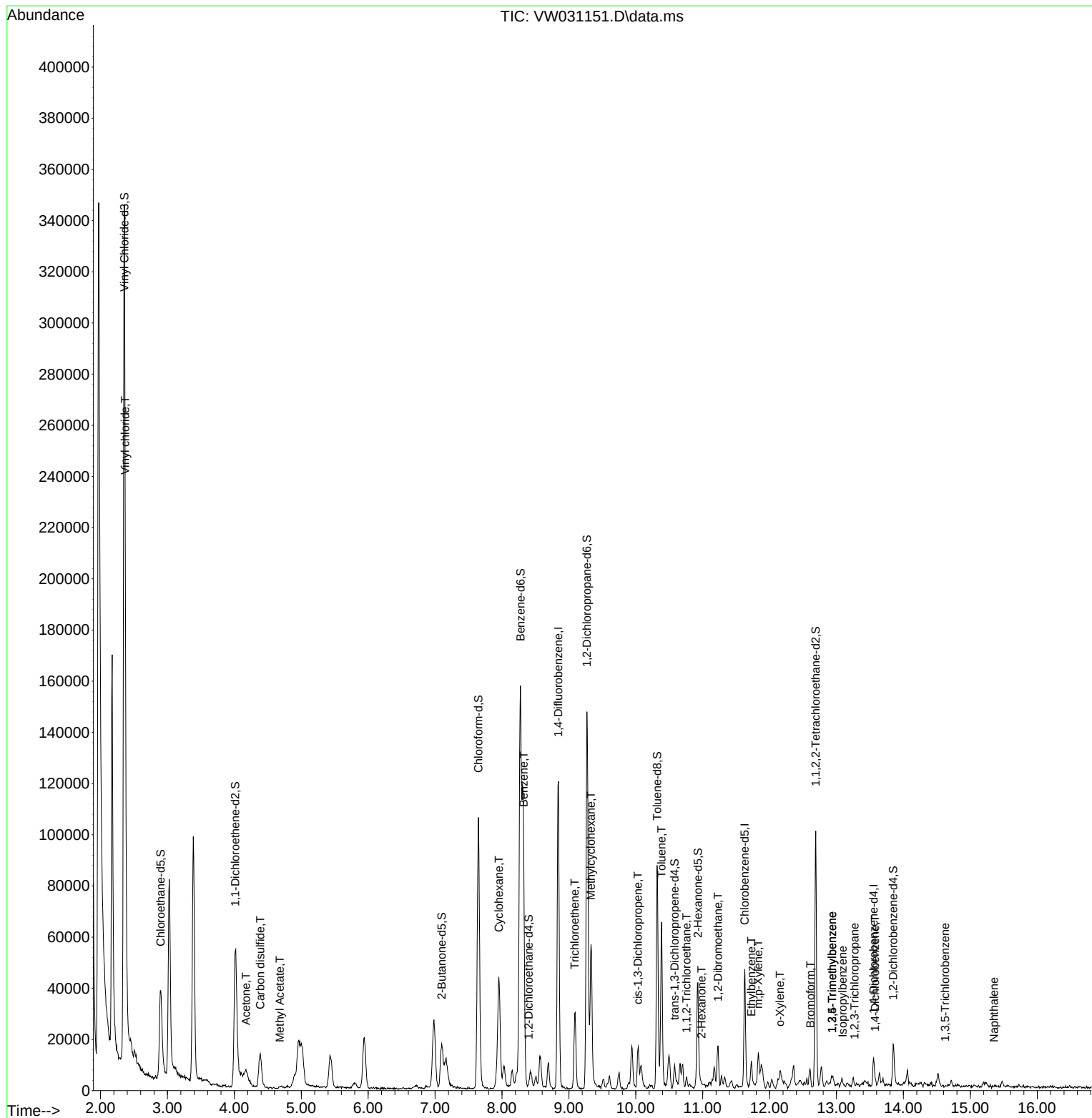
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	12.934	105	681	1.702	ug/L #	79
63) 1,2,4-Trimethylbenzene	12.934	105	681	1.732	ug/L	87
65) 1,4-Dichlorobenzene	13.574	146	123	0.549	ug/L #	27
69) 1,3,5-Trichlorobenzene	14.623	180	61	0.405	ug/L #	18
71) Naphthalene	15.354	128	179	0.941	ug/L #	42

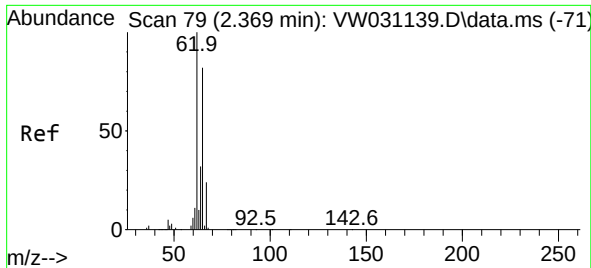
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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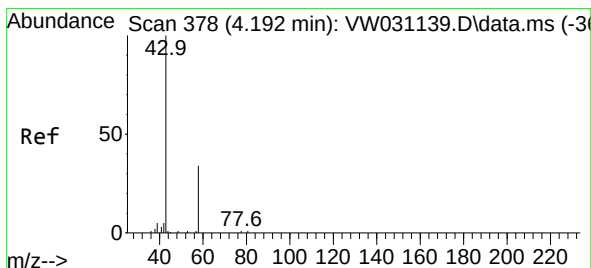
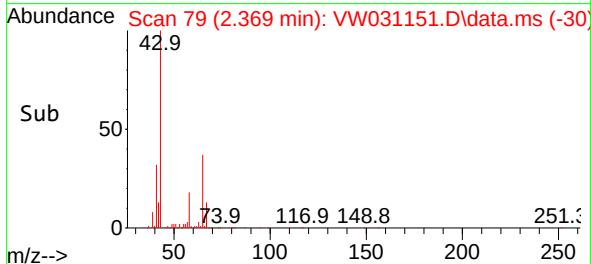
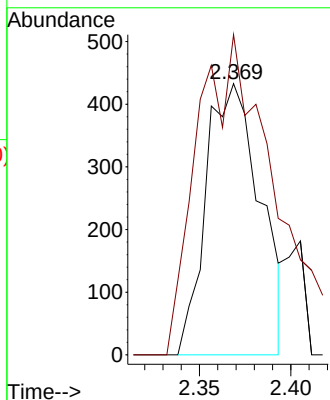
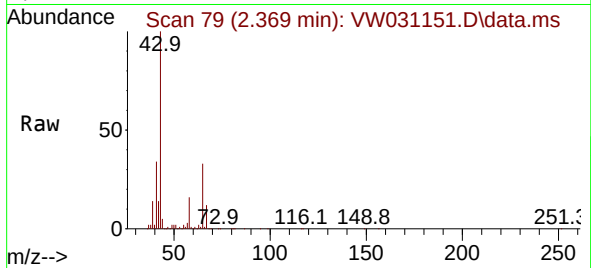




#5
 Vinyl chloride
 Concen: 0.525 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VW031151.D
 Acq: 06 Dec 2024 15:24

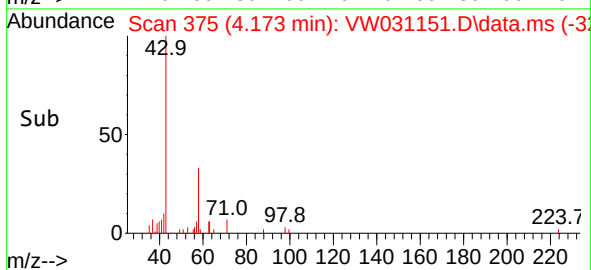
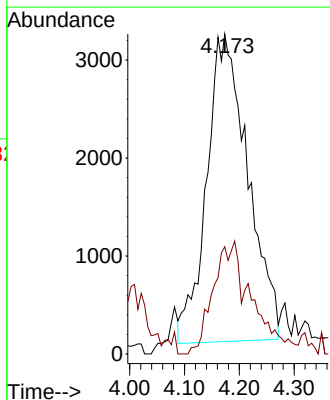
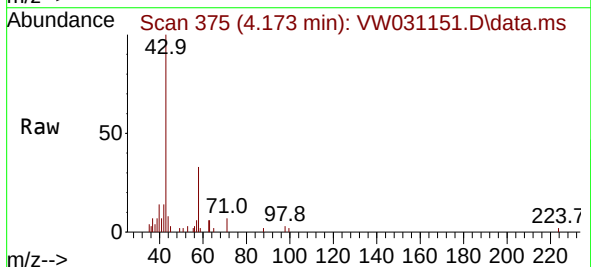
Instrument :
 MSVOA_W
 ClientSampleId :

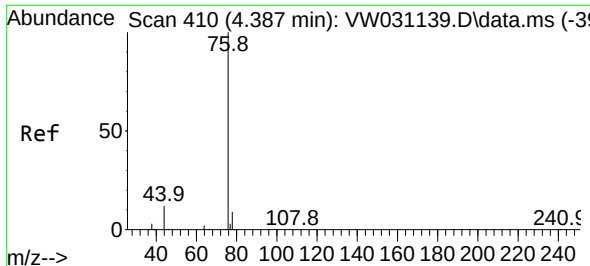
Tgt Ion: 62 Resp: 892
 Ion Ratio Lower Upper
 62 100
 64 118.0 22.7 42.1#



#13
 Acetone
 Concen: 35.692 ug/L
 RT: 4.173 min Scan# 375
 Delta R.T. -0.018 min
 Lab File: VW031151.D
 Acq: 06 Dec 2024 15:24

Tgt Ion: 43 Resp: 16420
 Ion Ratio Lower Upper
 43 100
 58 12.5 0.0 67.2

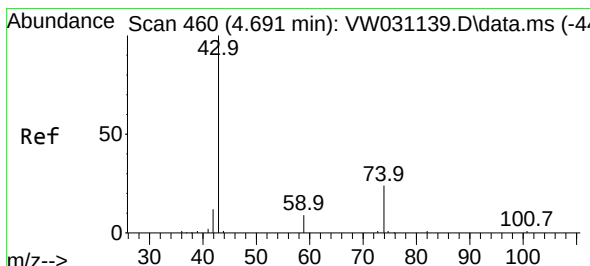
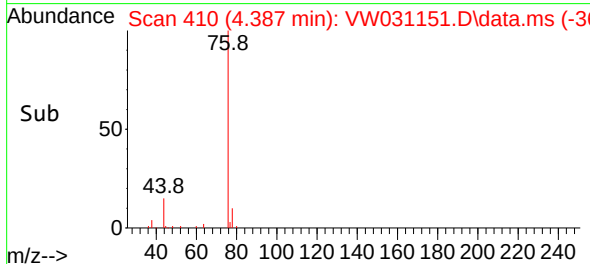
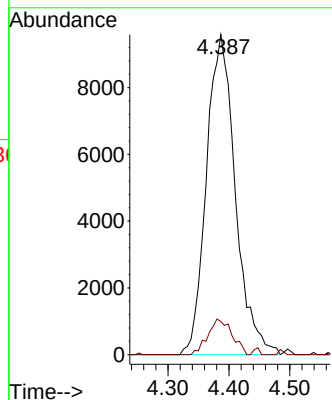
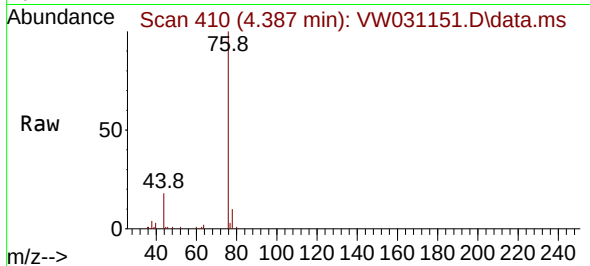




#14
Carbon disulfide
Concen: 7.155 ug/L
RT: 4.387 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

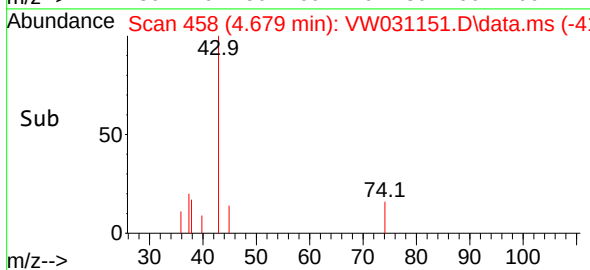
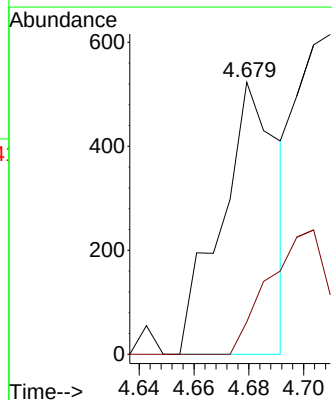
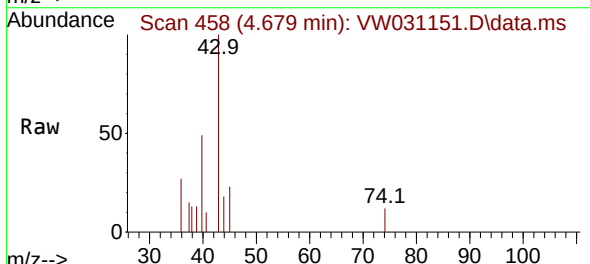
Instrument :
MSVOA_W
ClientSampleId :

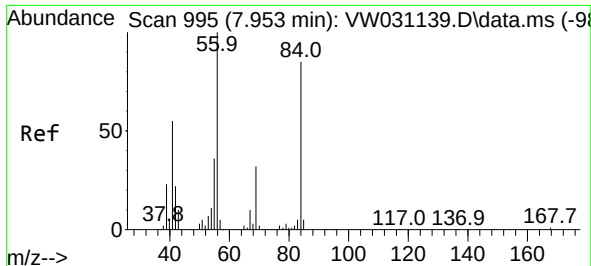
Tgt Ion: 76 Resp: 31639
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2



#15
Methyl Acetate
Concen: 1.554 ug/L
RT: 4.679 min Scan# 458
Delta R.T. -0.012 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#





#29

Cyclohexane

Concen: 40.077 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.000 min

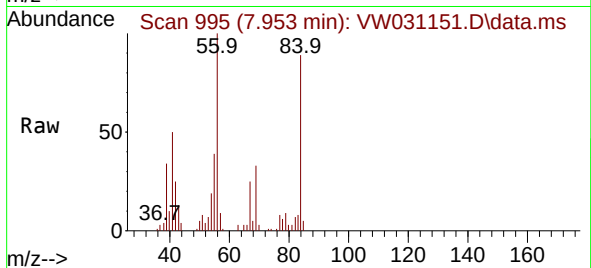
Lab File: VW031151.D

Acq: 06 Dec 2024 15:24

Instrument :

MSVOA_W

ClientSampleId :



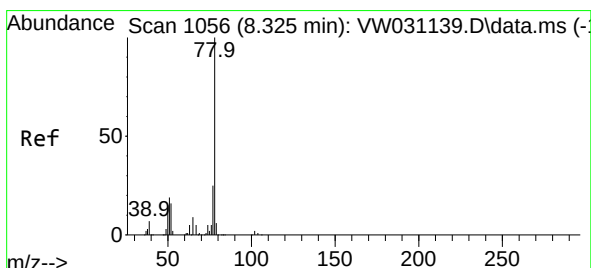
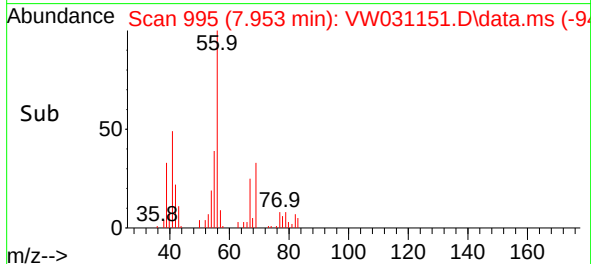
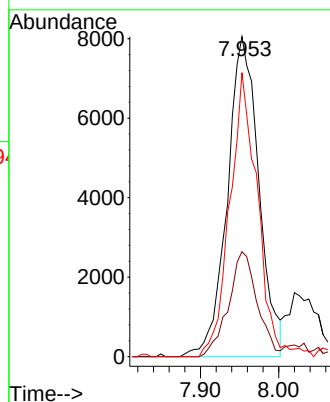
Tgt Ion: 56 Resp: 22500

Ion Ratio Lower Upper

56 100

69 30.1 25.4 38.2

84 77.1 71.1 106.7



#33

Benzene

Concen: 46.339 ug/L

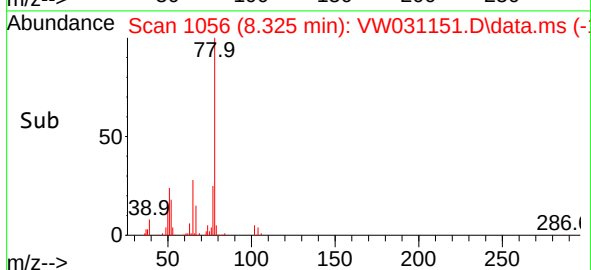
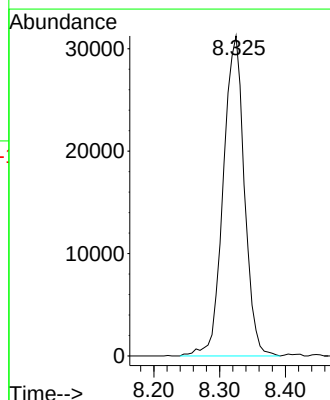
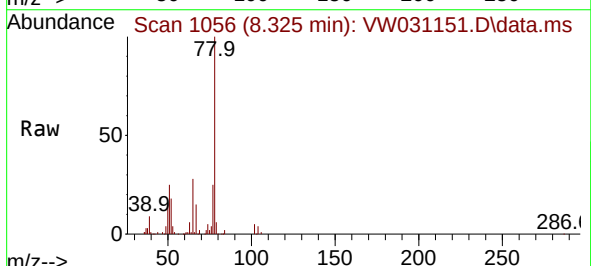
RT: 8.325 min Scan# 1056

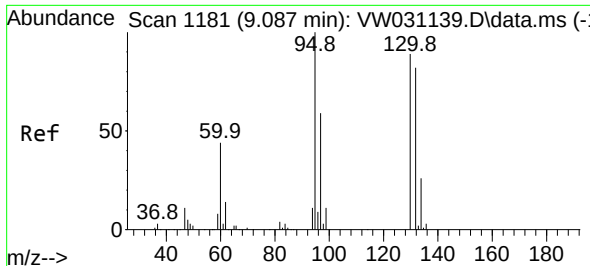
Delta R.T. -0.000 min

Lab File: VW031151.D

Acq: 06 Dec 2024 15:24

Tgt Ion: 78 Resp: 69892

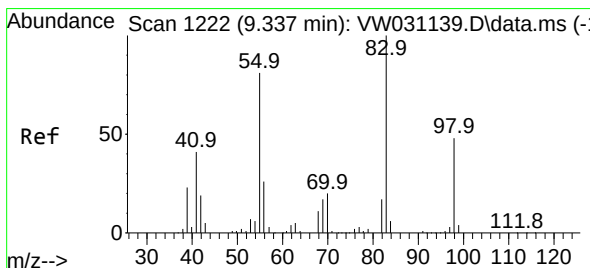
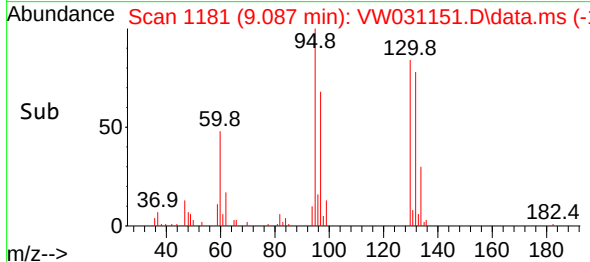
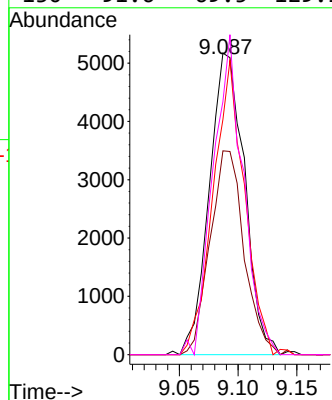
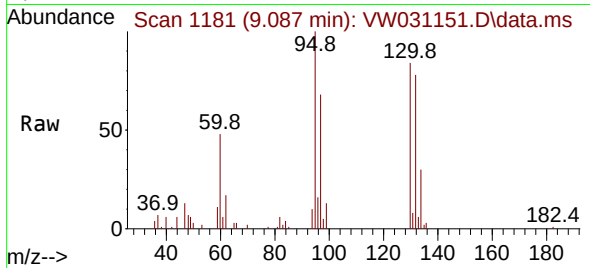




#34
Trichloroethene
Concen: 25.865 ug/L
RT: 9.087 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

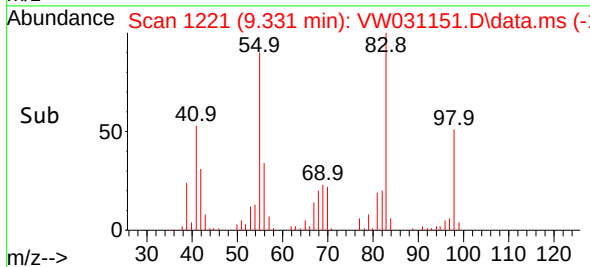
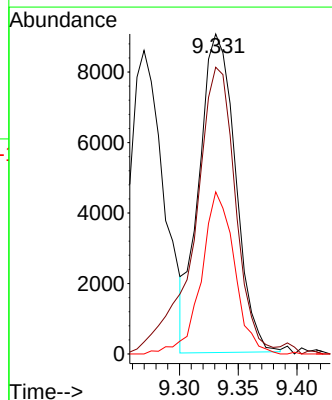
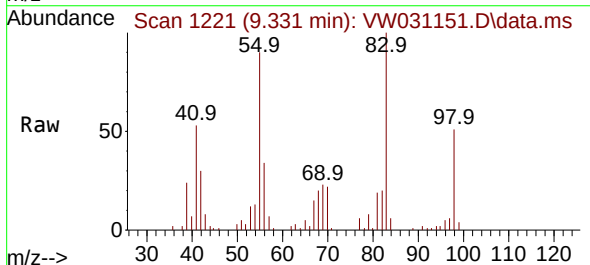
Instrument :
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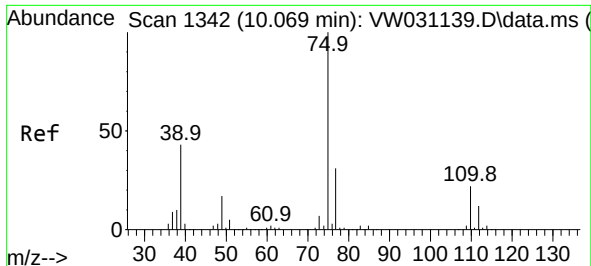
Tgt Ion:	95	Resp:	10761
Ion	Ratio	Lower	Upper
95	100		
97	67.6	48.0	89.2
132	78.0	67.4	125.2
130	91.6	69.5	129.1



#35
Methylcyclohexane
Concen: 29.335 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.006 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

Tgt Ion:	83	Resp:	19421
Ion	Ratio	Lower	Upper
83	100		
55	100.0	59.5	89.3#
98	46.4	38.7	58.1





#39

cis-1,3-Dichloropropene

Concen: 0.911 ug/L

RT: 10.032 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW031151.D

Acq: 06 Dec 2024 15:24

Instrument :

MSVOA_W

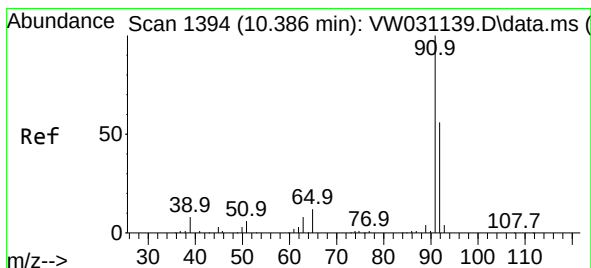
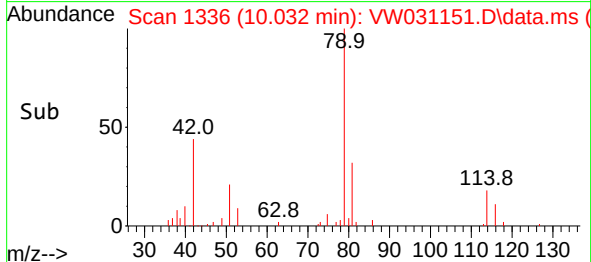
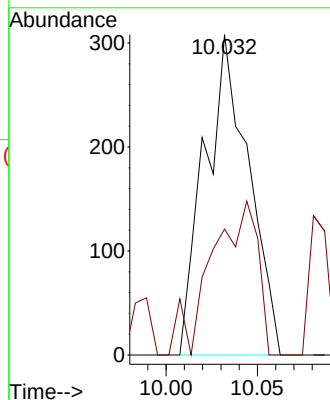
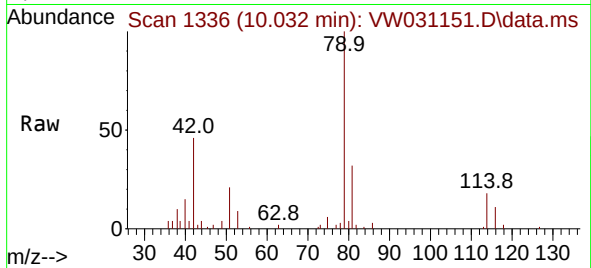
ClientSampleId :

Tgt Ion: 75 Resp: 516

Ion Ratio Lower Upper

75 100

77 39.3 21.6 40.2



#42

Toluene

Concen: 29.464 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW031151.D

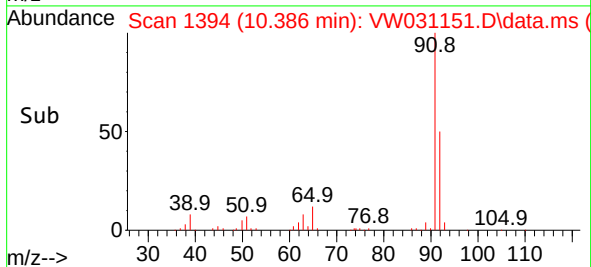
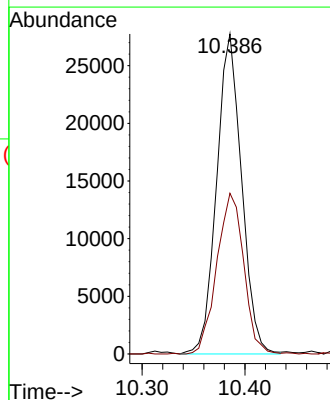
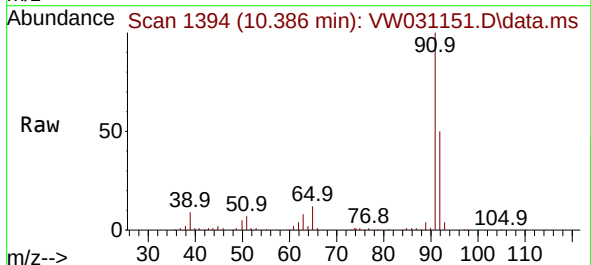
Acq: 06 Dec 2024 15:24

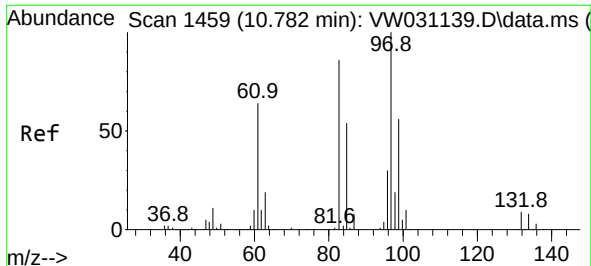
Tgt Ion: 91 Resp: 46813

Ion Ratio Lower Upper

91 100

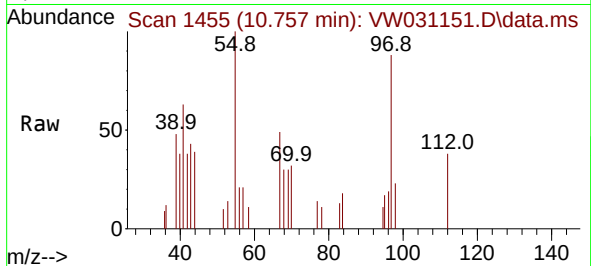
92 50.2 40.8 75.8



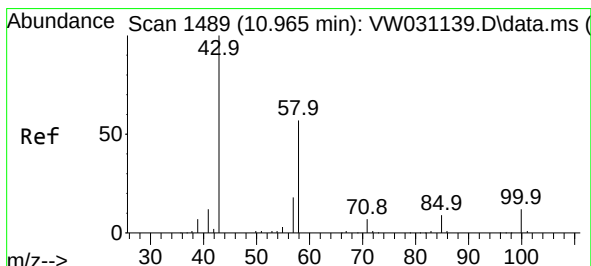
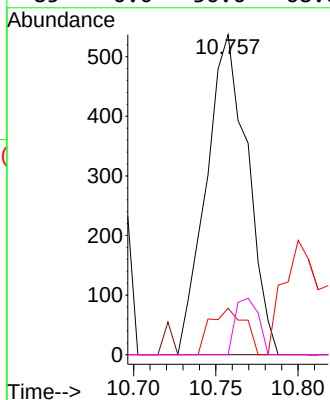
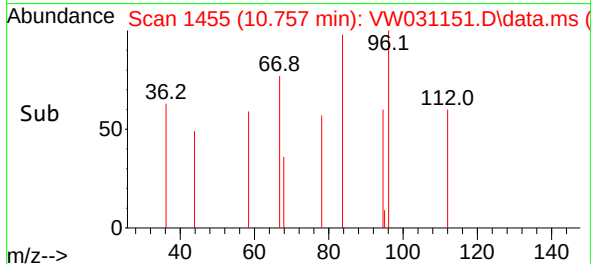


#45
1,1,2-Trichloroethane
Concen: 3.638 ug/L
RT: 10.757 min Scan# 1455
Delta R.T. -0.024 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

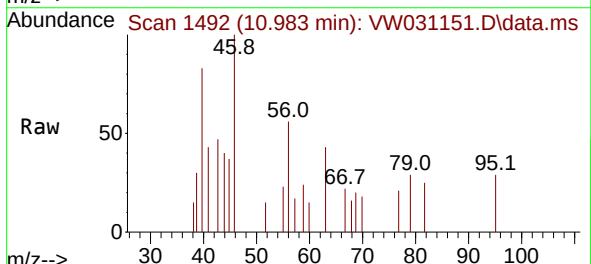
Instrument :
MSVOA_W
ClientSampleId :



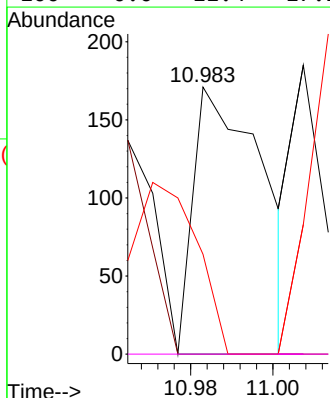
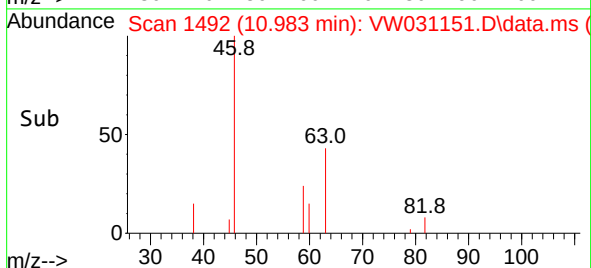
Tgt Ion:	97	Resp:	938
Ion	Ratio	Lower	Upper
97	100		
99	0.0	42.4	78.8#
83	35.6	57.8	107.4#
85	0.0	36.6	68.0#

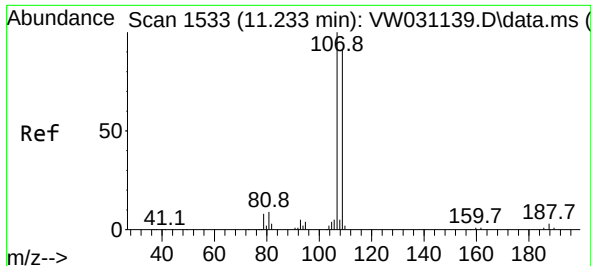


#48
2-Hexanone
Concen: 1.322 ug/L
RT: 10.983 min Scan# 1492
Delta R.T. 0.018 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24



Tgt Ion:	43	Resp:	201
Ion	Ratio	Lower	Upper
43	100		
58	37.3	49.8	74.6#
57	49.8	16.6	24.8#
100	0.0	11.4	17.2#





#50

1,2-Dibromoethane

Concen: 0.797 ug/L

RT: 11.227 min Scan# 1

Delta R.T. -0.006 min

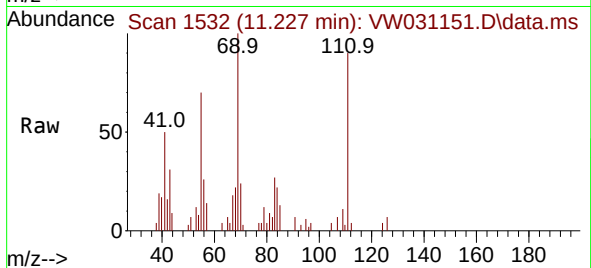
Lab File: VW031151.D

Acq: 06 Dec 2024 15:24

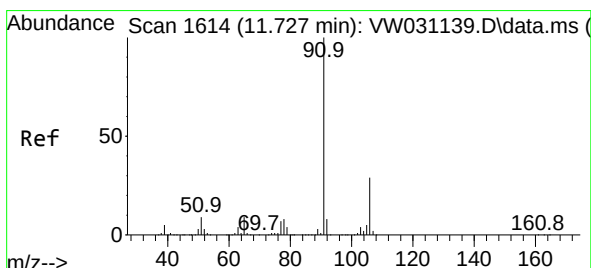
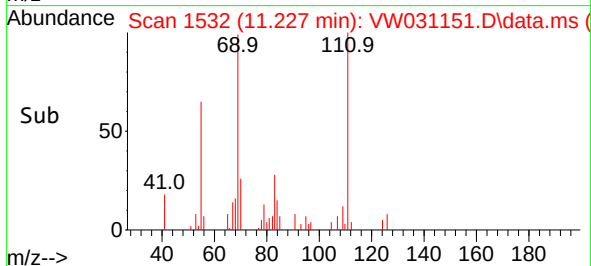
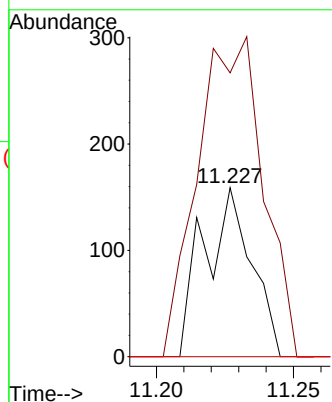
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	107	Resp:	192
Ion	Ratio	Lower	Upper
107	100		
109	167.9	71.0	131.9#
188	0.0	3.0	4.4#



#52

Ethylbenzene

Concen: 3.304 ug/L

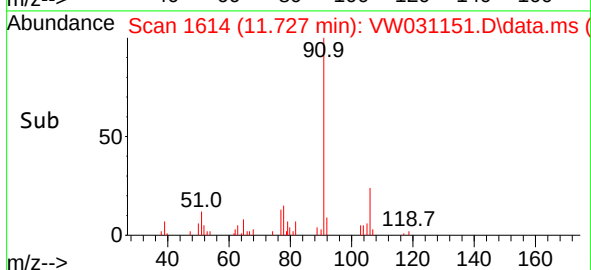
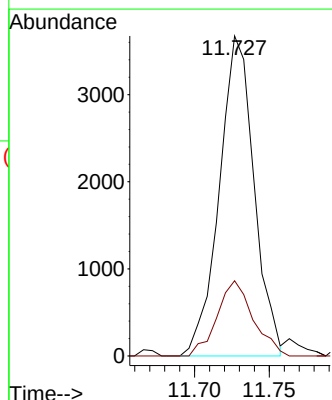
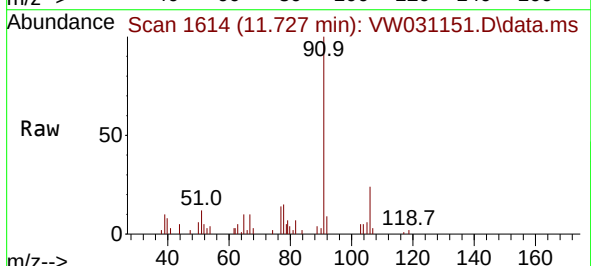
RT: 11.727 min Scan# 1614

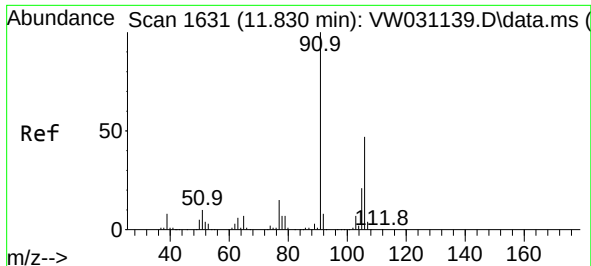
Delta R.T. -0.000 min

Lab File: VW031151.D

Acq: 06 Dec 2024 15:24

Tgt Ion:	91	Resp:	5949
Ion	Ratio	Lower	Upper
91	100		
106	23.5	21.3	39.5

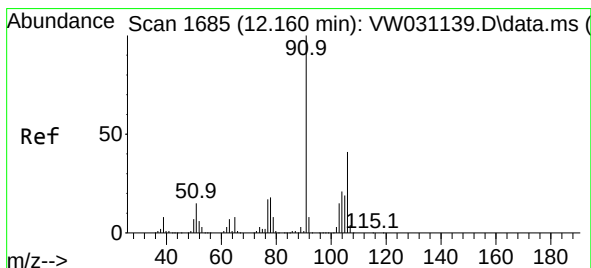
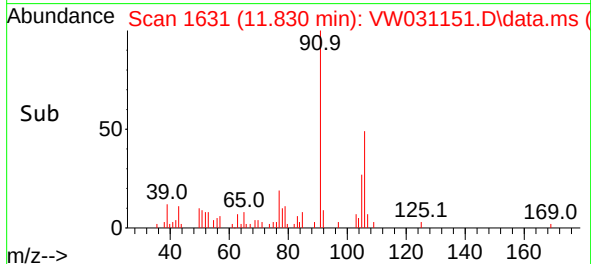
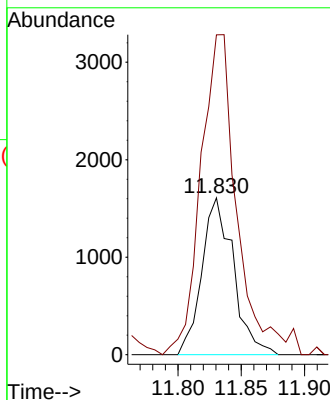
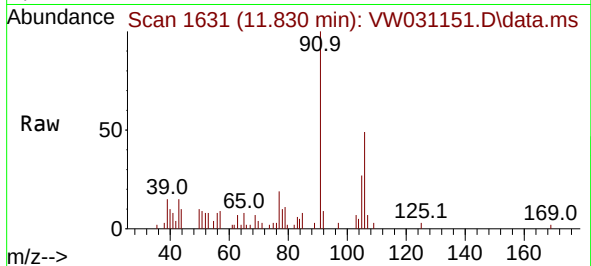




#53
m,p-Xylene
Concen: 4.170 ug/L
RT: 11.830 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

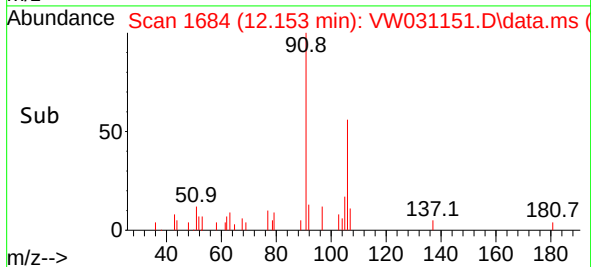
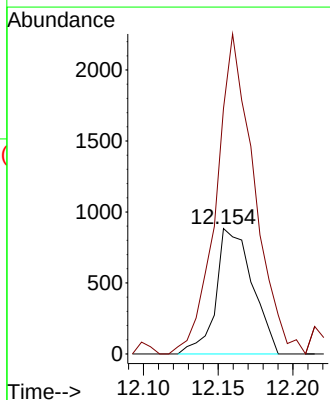
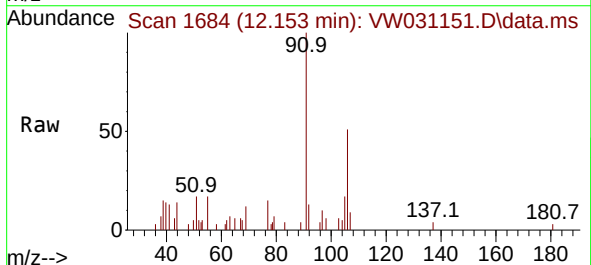
Instrument :
MSVOA_W
ClientSampleId :

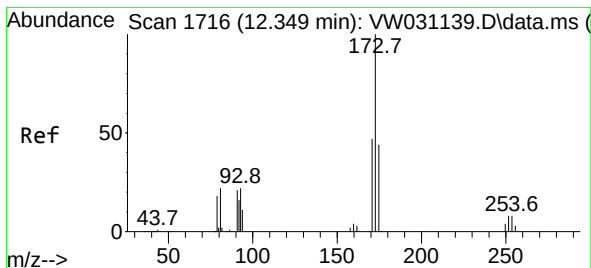
Tgt Ion:106 Resp: 2794
Ion Ratio Lower Upper
106 100
91 203.9 140.9 261.7



#54
o-Xylene
Concen: 2.393 ug/L
RT: 12.153 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

Tgt Ion:106 Resp: 1492
Ion Ratio Lower Upper
106 100
91 195.8 152.7 283.5





#59

Bromoform

Concen: 1.348 ug/L

RT: 12.611 min Scan# 11

Delta R.T. 0.262 min

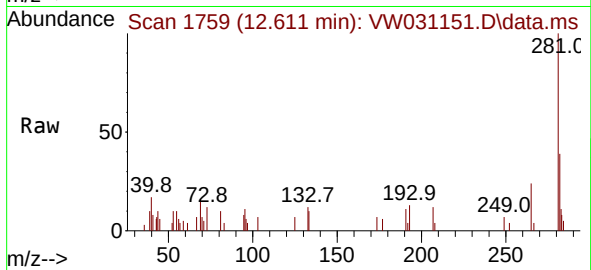
Lab File: VW031151.D

Acq: 06 Dec 2024 15:24

Instrument :

MSVOA_W

ClientSampleId :



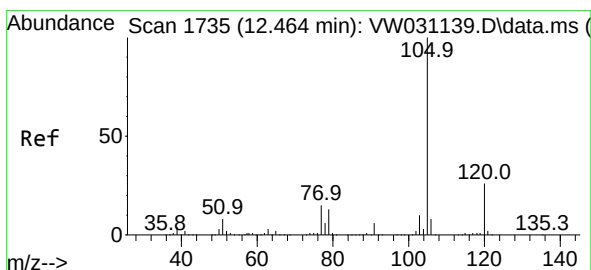
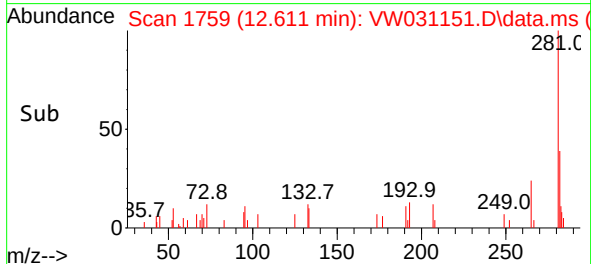
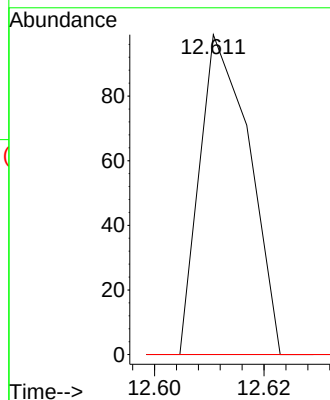
Tgt Ion:173 Resp: 62

Ion Ratio Lower Upper

173 100

175 0.0 36.6 54.8#

254 0.0 7.7 11.5#



#60

Isopropylbenzene

Concen: 1.728 ug/L

RT: 13.092 min Scan# 1838

Delta R.T. 0.628 min

Lab File: VW031151.D

Acq: 06 Dec 2024 15:24

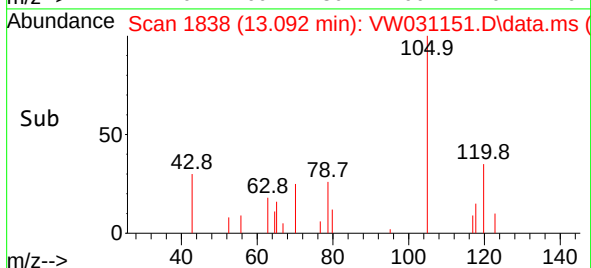
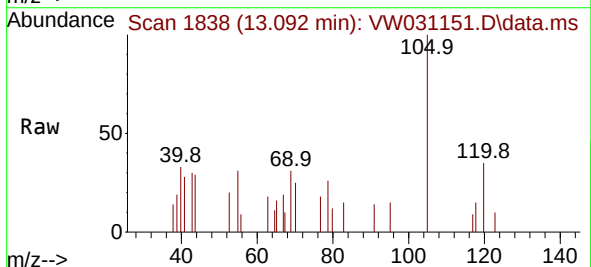
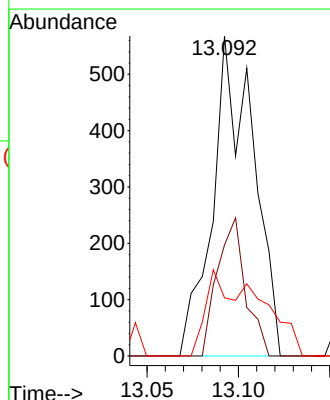
Tgt Ion:105 Resp: 878

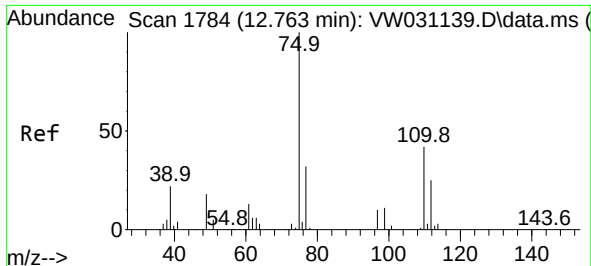
Ion Ratio Lower Upper

105 100

120 30.0 21.5 32.3

77 18.2 12.3 18.5





#61

1,2,3-Trichloropropane

Concen: 1.054 ug/L

RT: 13.269 min Scan# 11

Delta R.T. 0.506 min

Lab File: VW031151.D

Acq: 06 Dec 2024 15:24

Instrument :

MSVOA_W

ClientSampleId :

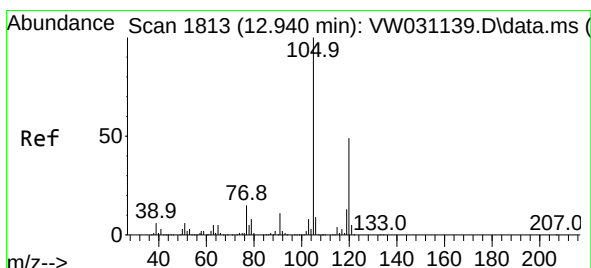
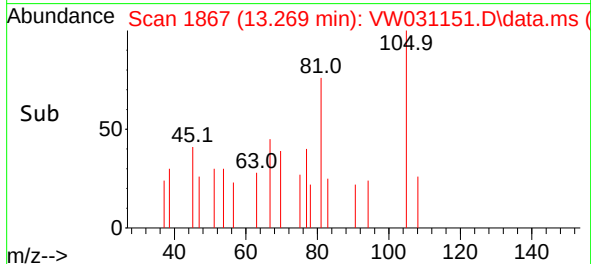
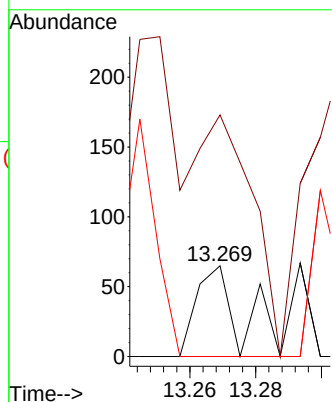
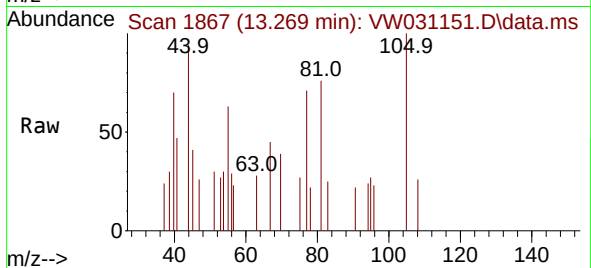
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

77 333.9 25.4 38.2#

110 0.0 33.1 49.7#



#62

1,3,5-Trimethylbenzene

Concen: 1.702 ug/L

RT: 12.934 min Scan# 1812

Delta R.T. -0.006 min

Lab File: VW031151.D

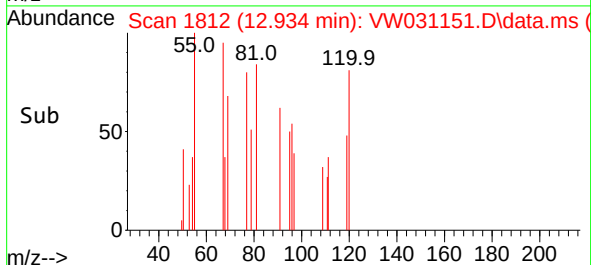
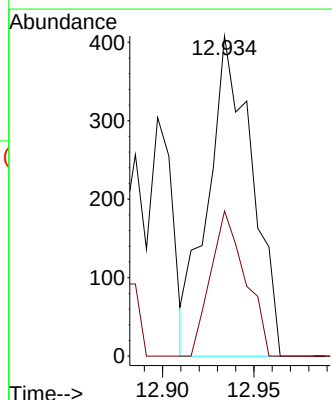
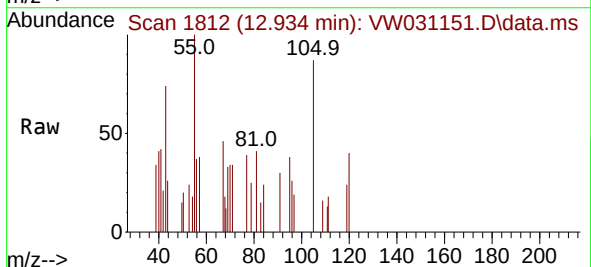
Acq: 06 Dec 2024 15:24

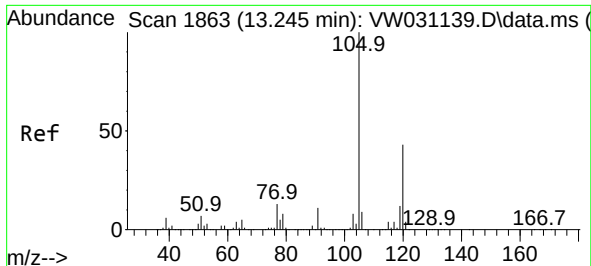
Tgt Ion: 105 Resp: 681

Ion Ratio Lower Upper

105 100

120 36.0 40.5 60.7#

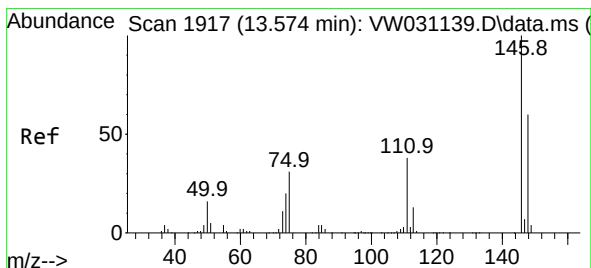
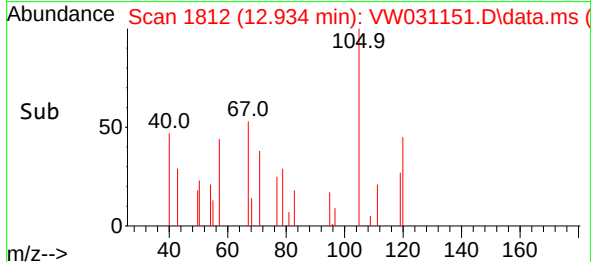
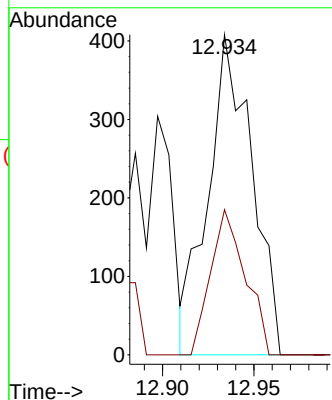
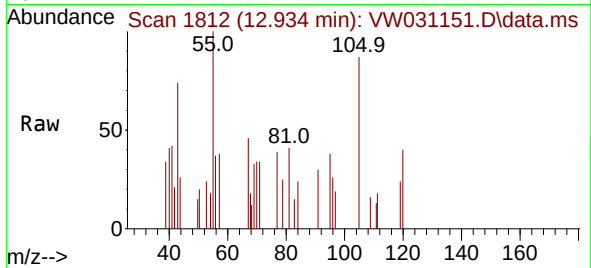




#63
1,2,4-Trimethylbenzene
Concen: 1.732 ug/L
RT: 12.934 min Scan# 1812
Delta R.T. -0.311 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

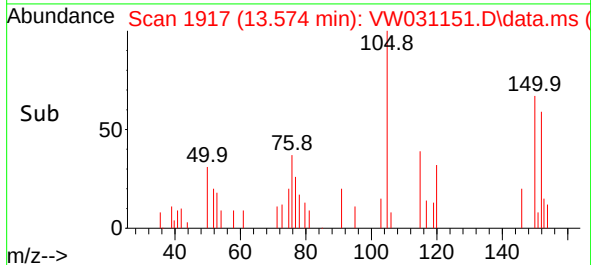
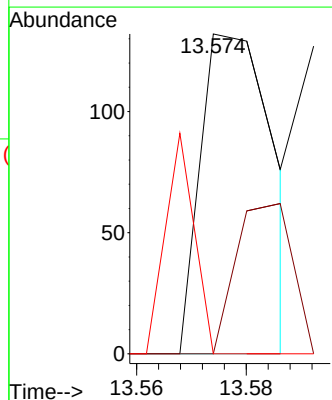
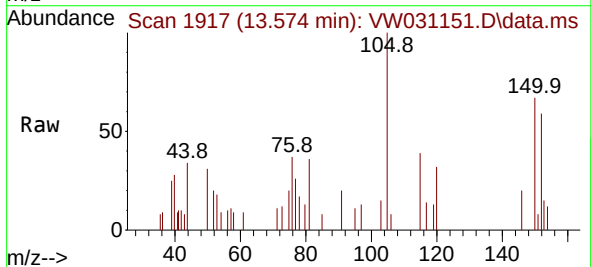
Instrument :
MSVOA_W
ClientSampleId :

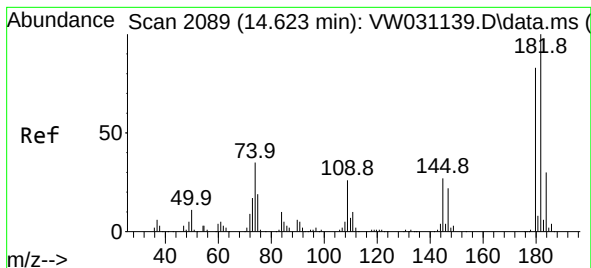
Tgt Ion:105 Resp: 681
Ion Ratio Lower Upper
105 100
120 36.0 35.4 53.0



#65
1,4-Dichlorobenzene
Concen: 0.549 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

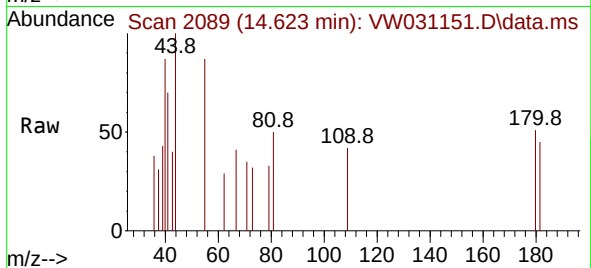
Tgt Ion:146 Resp: 123
Ion Ratio Lower Upper
146 100
111 0.0 26.6 49.4#
148 0.0 42.1 78.1#



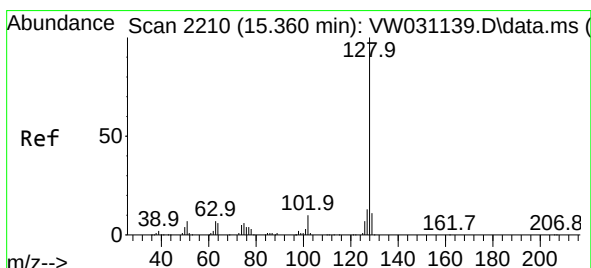
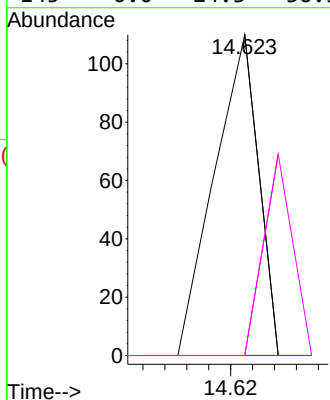
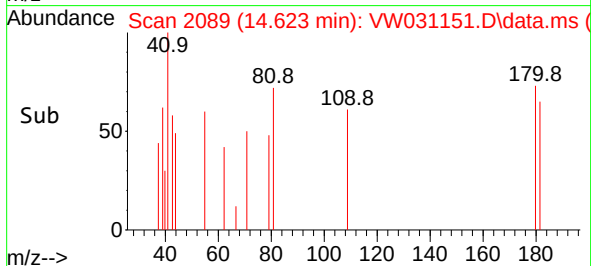


#69
1,3,5-Trichlorobenzene
Concen: 0.405 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24

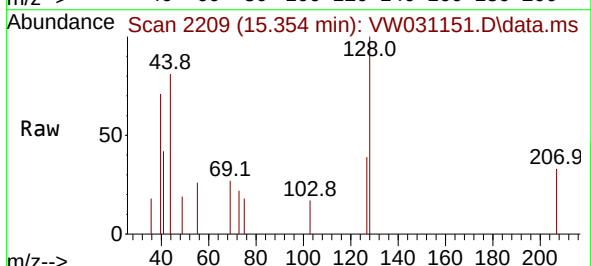
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	180	Resp:	61
Ion	Ratio	Lower	Upper
180	100		
182	0.0	78.2	117.2#
184	0.0	24.0	36.0#
145	0.0	24.3	36.5#



#71
Naphthalene
Concen: 0.941 ug/L
RT: 15.354 min Scan# 2209
Delta R.T. -0.006 min
Lab File: VW031151.D
Acq: 06 Dec 2024 15:24



Tgt Ion:	128	Resp:	179
Ion	Ratio	Lower	Upper
128	100		
127	45.8	10.4	15.6#
129	0.0	8.3	12.5#

