

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121824\
 Data File : VW031344.D
 Acq On : 18 Dec 2024 16:51
 Operator : SY/MD
 Sample : P5265-13
 Misc : 9.85g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 00:25:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 19 00:20:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	146340	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	99479	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	24566	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	20825	9.458	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	37.840%
7) Chloroethane-d5	2.686	69	219	0.134	ug/L	-0.21
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.520%#
11) 1,1-Dichloroethene-d2	4.009	65	12733	12.191	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.760%
21) 2-Butanone-d5	7.081	46	20895	50.390	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.780%
24) Chloroform-d	7.654	84	10727	2.675	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	10.720%#
26) 1,2-Dichloroethane-d4	8.307	65	31311	15.549	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	62.200%#
32) Benzene-d6	8.270	84	91027	14.276	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	57.120%
36) 1,2-Dichloropropane-d6	9.270	67	29172	15.698	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	62.800%#
41) Toluene-d8	10.325	98	77907	13.134	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	52.520%
43) trans-1,3-Dichloroprop...	10.575	79	6986	8.153	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	32.600%
47) 2-Hexanone-d5	10.922	63	12710	50.860	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.720%
56) 1,1,2,2-Tetrachloroeth...	12.684	84	2891	2.478	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	9.920%#
66) 1,2-Dichlorobenzene-d4	13.848	152	12011	13.170	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	52.680%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.216	50	11688	7.866	ug/L	93
14) Carbon disulfide	4.387	76	10182	1.740	ug/L	97
15) Methyl Acetate	4.673	43	2369	3.612	ug/L	97
22) 2-Butanone	7.179	43	7802	11.150	ug/L	84
25) Chloroform	7.679	83	36160	10.139	ug/L	92
34) Trichloroethene	9.087	95	1214	0.699	ug/L #	73
35) Methylcyclohexane	9.325	83	1057	0.350	ug/L #	79
42) Toluene	10.386	91	8765	1.310	ug/L	96
45) 1,1,2-Trichloroethane	10.751	97	454	0.445	ug/L #	17
48) 2-Hexanone	10.922	43	4964	7.173	ug/L #	65
52) Ethylbenzene	11.727	91	12836	1.655	ug/L	97
53) m,p-Xylene	11.830	106	15727	5.326	ug/L	92
54) o-Xylene	12.160	106	8624	3.099	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.690	83	2020	1.837	ug/L #	58
60) Isopropylbenzene	12.464	105	24310	6.047	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.940	105	60130	17.642	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	225647	68.498	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	509	0.313	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.196	75	2119	19.864	ug/L #	15

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Quant Time: Dec 19 00:25:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 19 00:20:44 2024
Response via : Initial Calibration

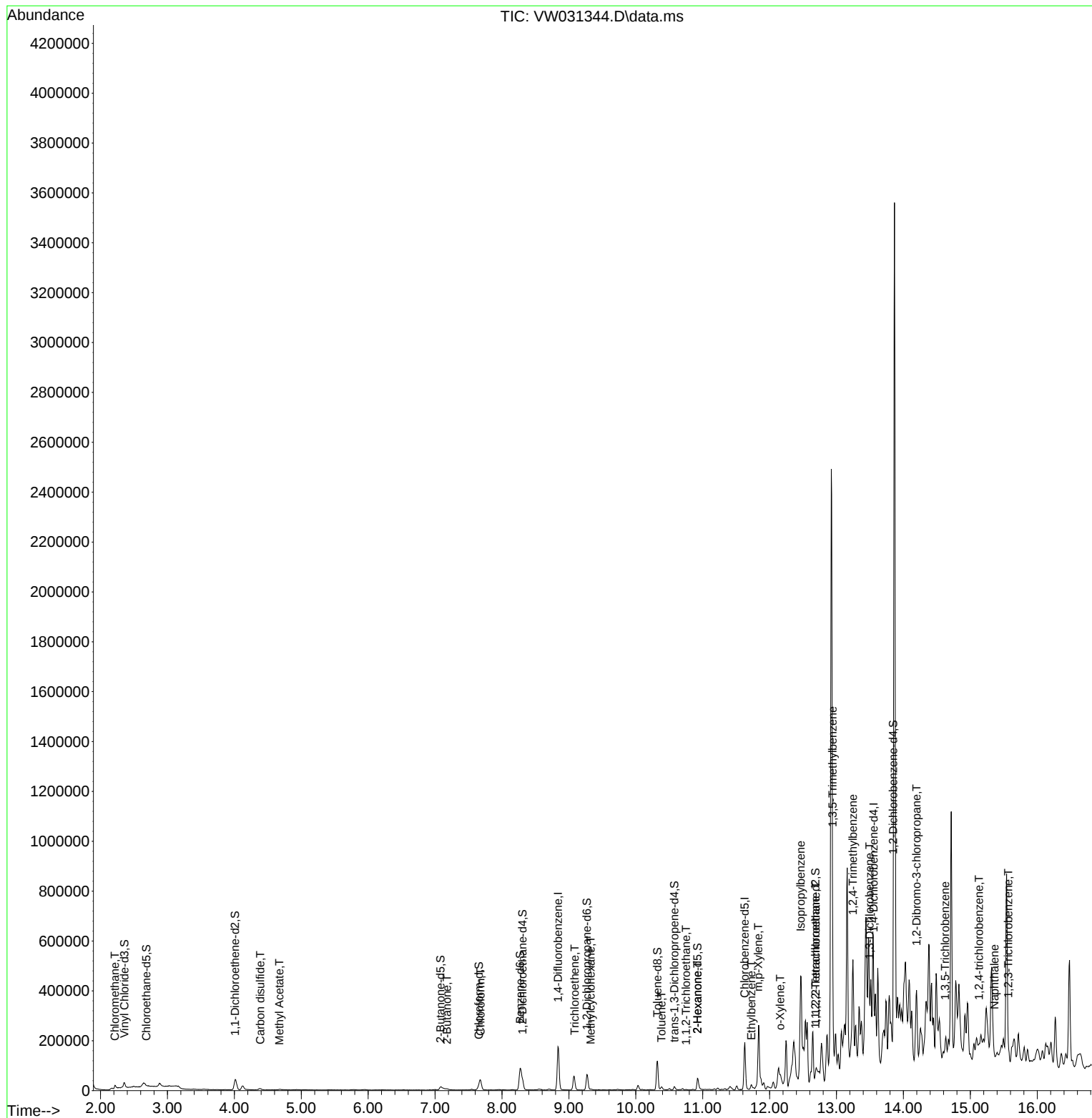
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	14.623	180	400	0.351	ug/L #	61
70) 1,2,4-trichlorobenzene	15.129	180	591	0.623	ug/L #	1
71) Naphthalene	15.360	128	23033	13.845	ug/L #	81
72) 1,2,3-Trichlorobenzene	15.568	180	523	0.684	ug/L #	1

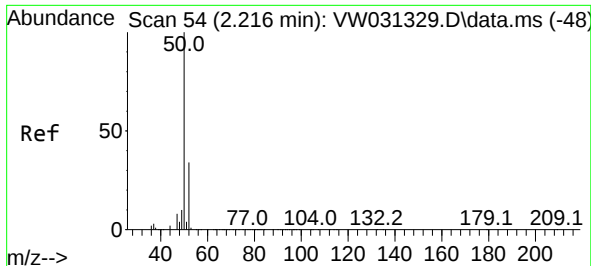
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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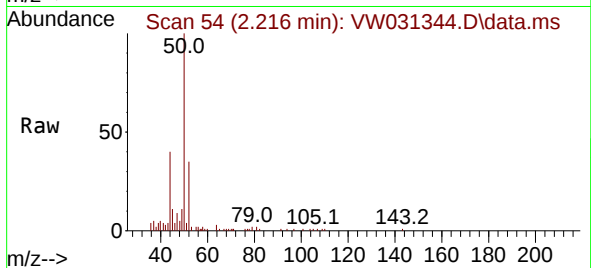
Quant Time: Dec 19 00:25:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 19 00:20:44 2024
Response via : Initial Calibration



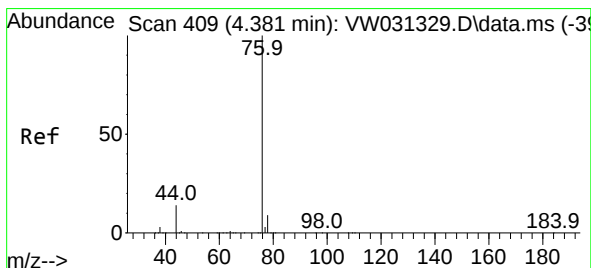
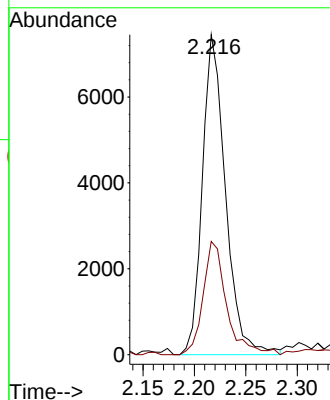
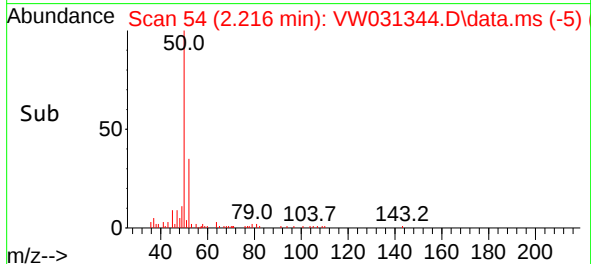


#3
Chloromethane
Concen: 7.866 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.000 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

Instrument :
MSVOA_W
ClientSampleId :

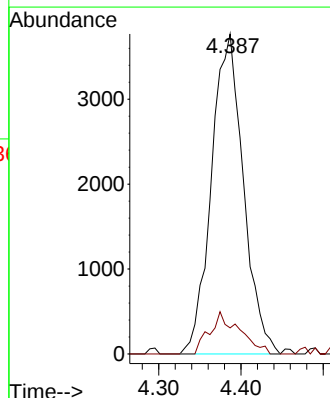
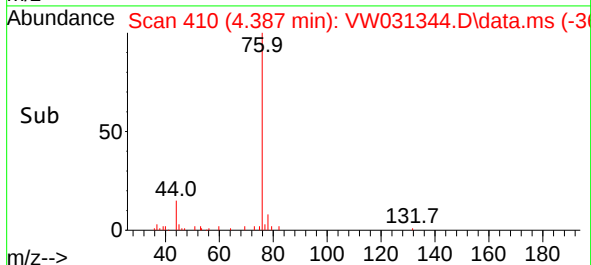
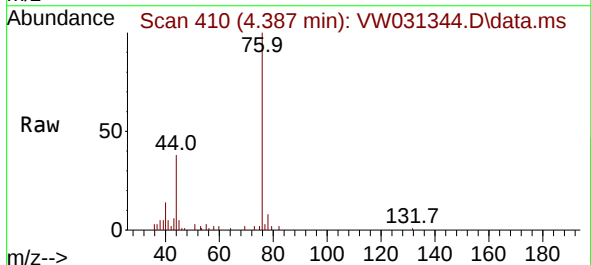


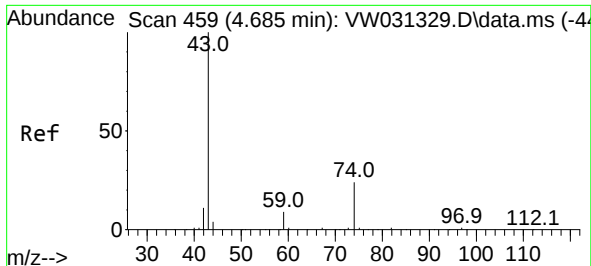
Tgt Ion: 50 Resp: 11688
Ion Ratio Lower Upper
50 100
52 35.4 22.0 41.0



#14
Carbon disulfide
Concen: 1.740 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.006 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

Tgt Ion: 76 Resp: 10182
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9

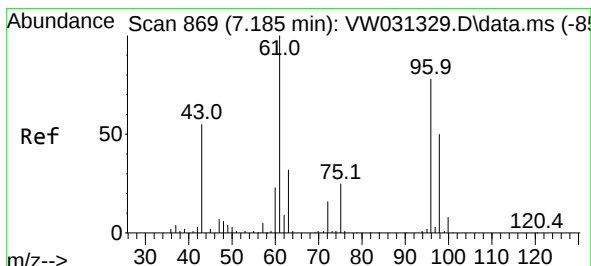
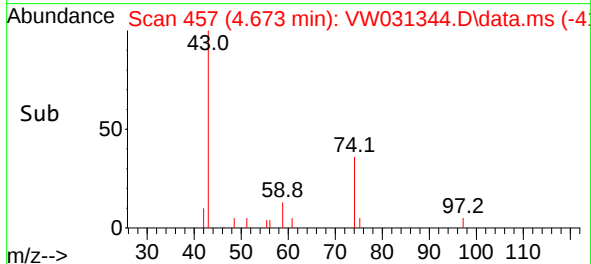
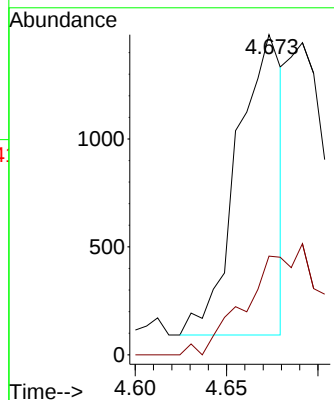
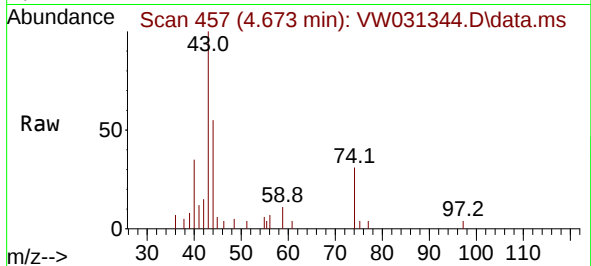




#15
Methyl Acetate
Concen: 3.612 ug/L
RT: 4.673 min Scan# 41
Delta R.T. -0.012 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

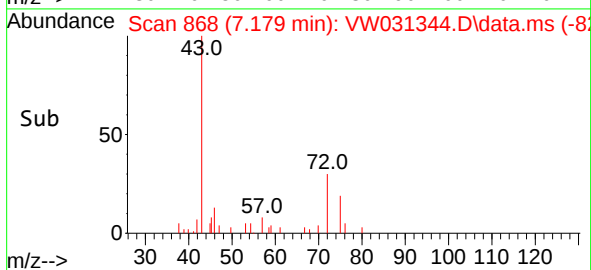
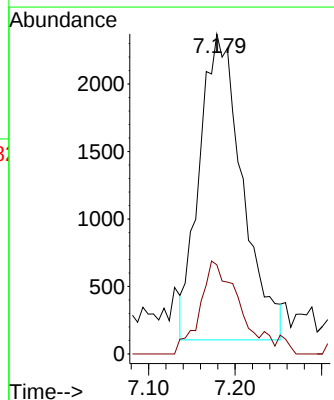
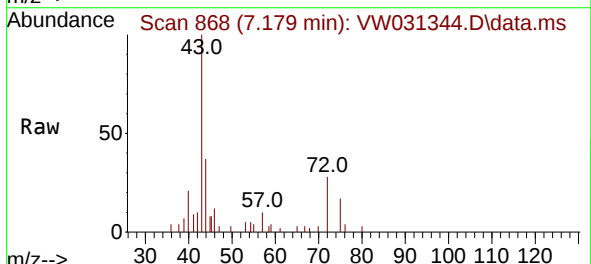
Instrument :
MSVOA_W
ClientSampleId :

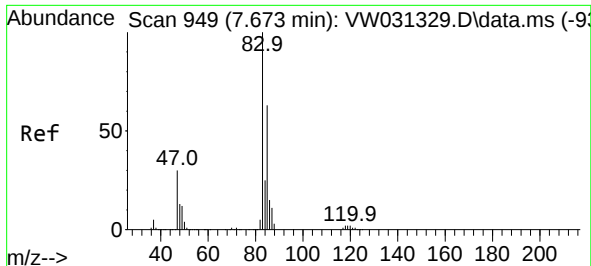
Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
74 24.9 18.9 28.3



#22
2-Butanone
Concen: 11.150 ug/L
RT: 7.179 min Scan# 868
Delta R.T. -0.006 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

Tgt Ion: 43 Resp: 7802
Ion Ratio Lower Upper
43 100
72 18.3 13.3 39.8

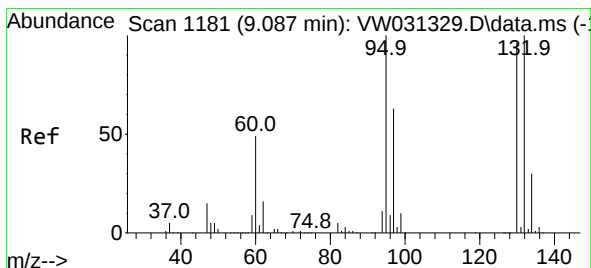
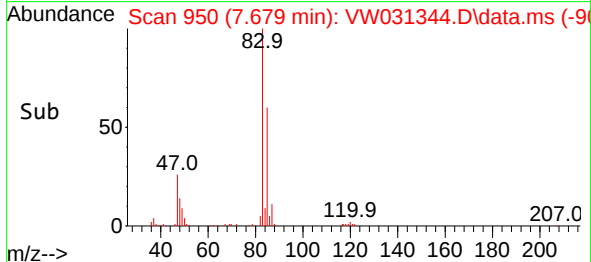
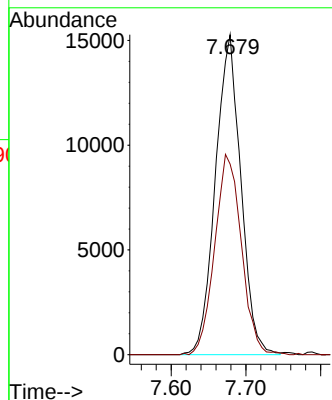
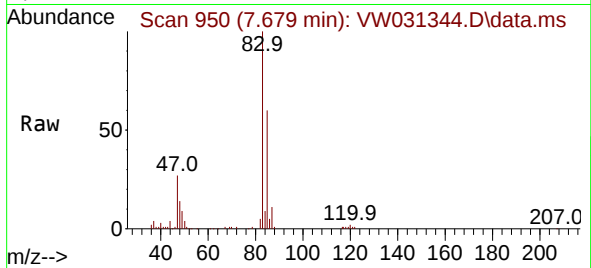




#25
Chloroform
Concen: 10.139 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

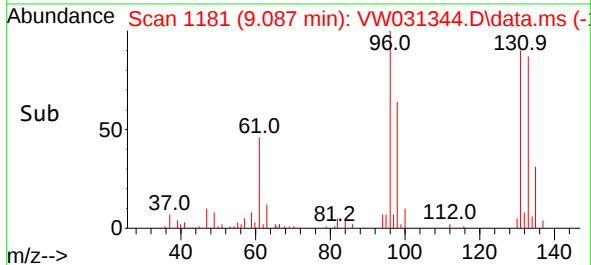
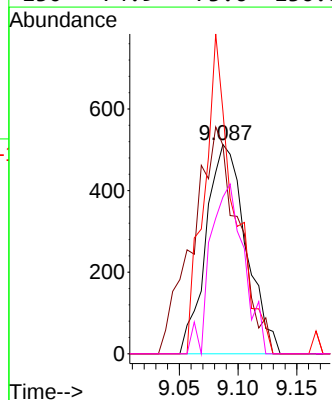
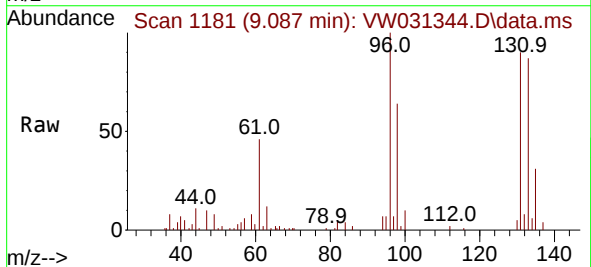
Instrument :
MSVOA_W
ClientSampleId :

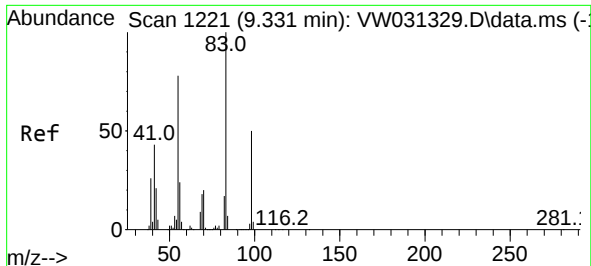
Tgt Ion: 83 Resp: 36160
Ion Ratio Lower Upper
83 100
85 59.6 46.1 85.5



#34
Trichloroethene
Concen: 0.699 ug/L
RT: 9.087 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

Tgt Ion: 95 Resp: 1214
Ion Ratio Lower Upper
95 100
97 99.6 46.5 86.3#
132 116.0 70.3 130.5
130 74.9 73.6 136.8

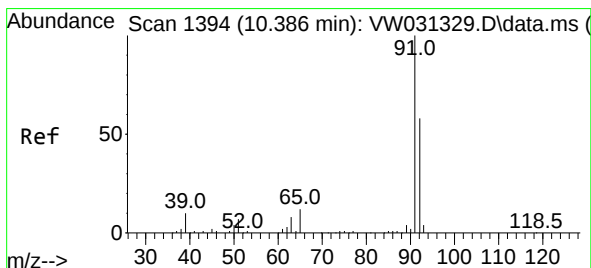
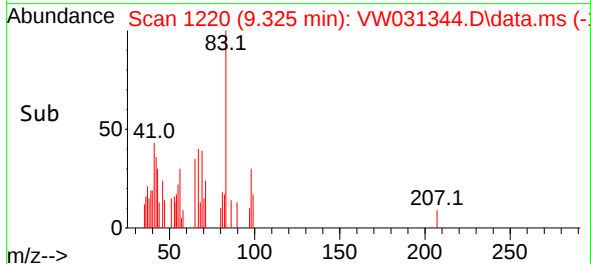
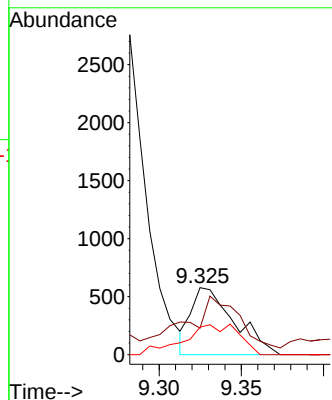
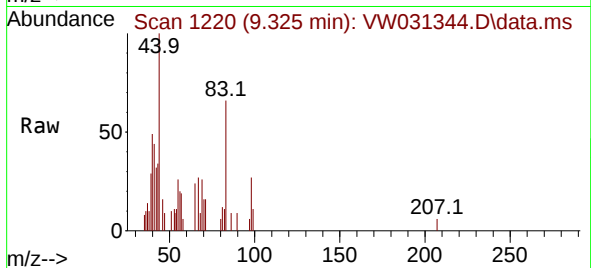




#35
Methylcyclohexane
Concen: 0.350 ug/L
RT: 9.325 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

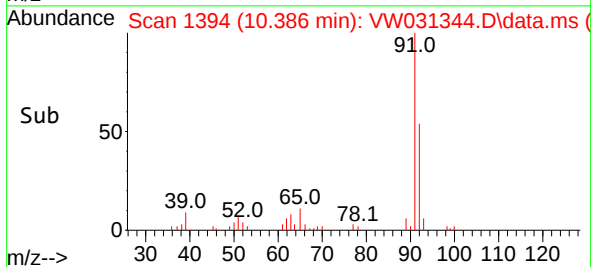
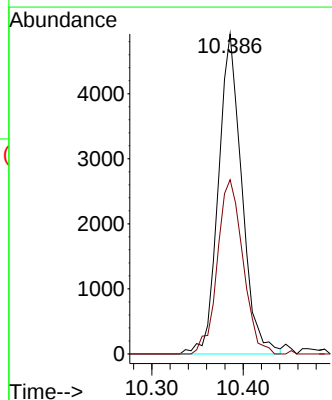
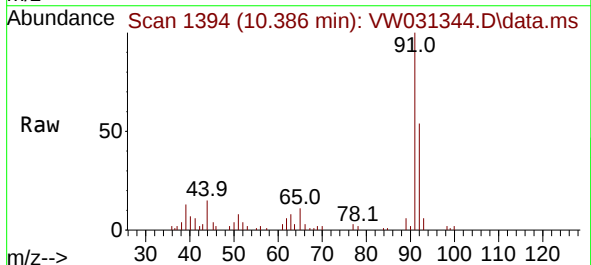
Instrument :
MSVOA_W
ClientSampleId :

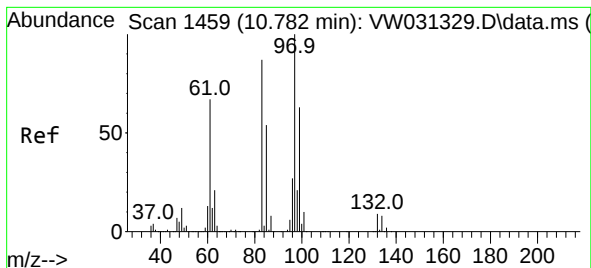
Tgt Ion: 83 Resp: 1057
Ion Ratio Lower Upper
83 100
55 57.0 62.6 93.8#
98 39.5 39.8 59.6#



#42
Toluene
Concen: 1.310 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

Tgt Ion: 91 Resp: 8765
Ion Ratio Lower Upper
91 100
92 54.4 40.3 74.9





#45

1,1,2-Trichloroethane

Concen: 0.445 ug/L

RT: 10.751 min Scan# 1454

Delta R.T. -0.031 min

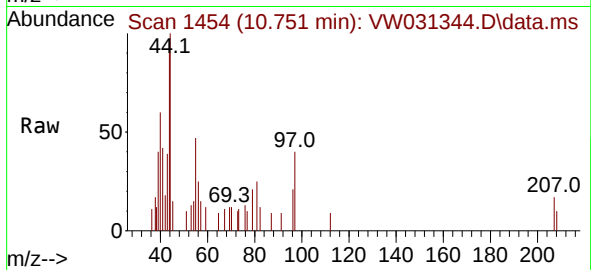
Lab File: VW031344.D

Acq: 18 Dec 2024 16:51

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 454

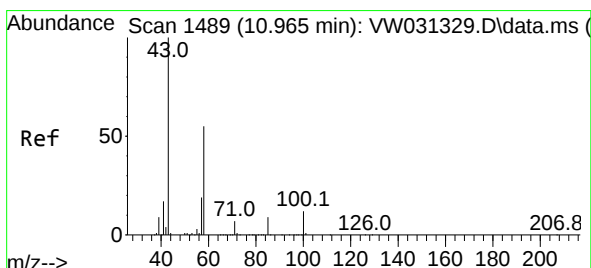
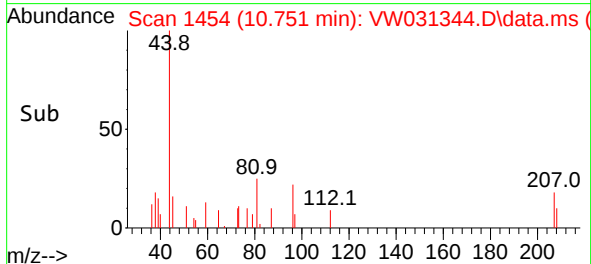
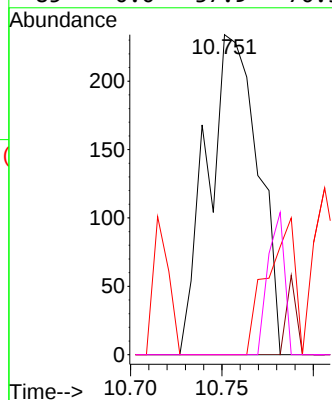
Ion Ratio Lower Upper

97 100

99 0.0 43.0 80.0#

83 0.0 56.4 104.7#

85 0.0 37.9 70.3#



#48

2-Hexanone

Concen: 7.173 ug/L

RT: 10.922 min Scan# 1482

Delta R.T. -0.043 min

Lab File: VW031344.D

Acq: 18 Dec 2024 16:51

Tgt Ion: 43 Resp: 4964

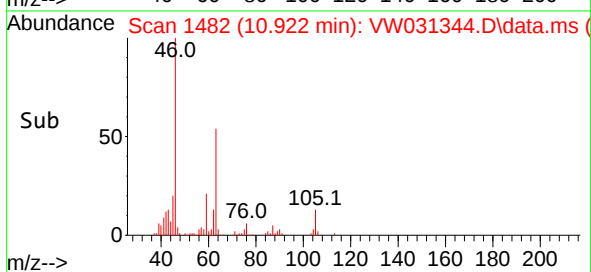
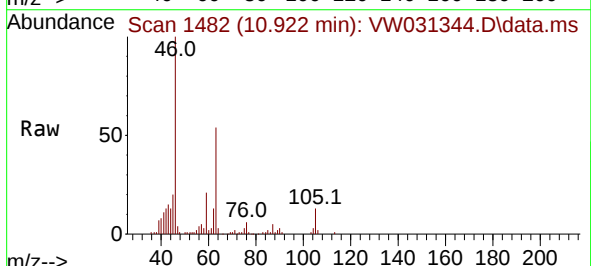
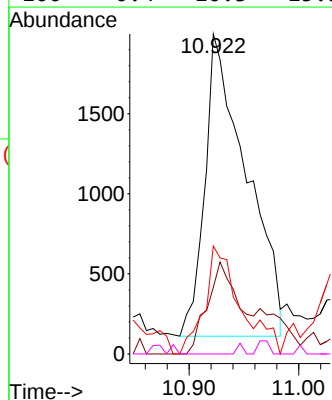
Ion Ratio Lower Upper

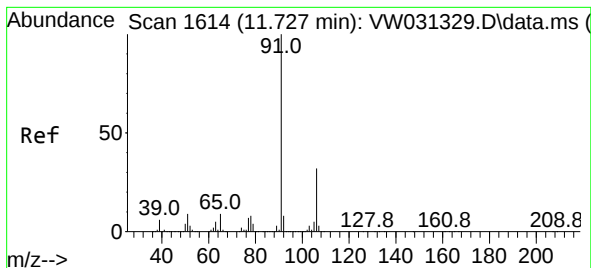
43 100

58 23.6 43.0 64.6#

57 26.7 15.7 23.5#

100 0.4 10.3 15.5#

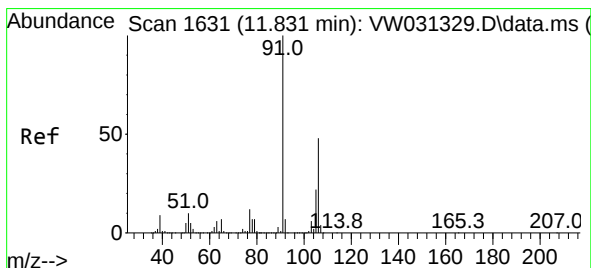
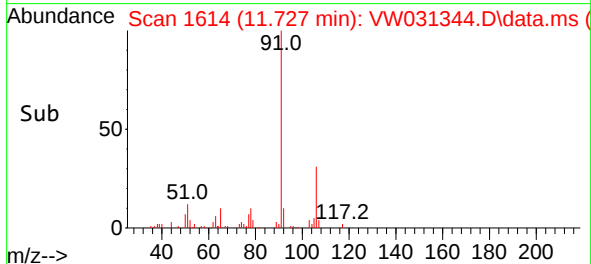
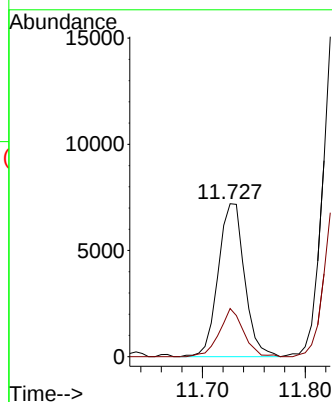
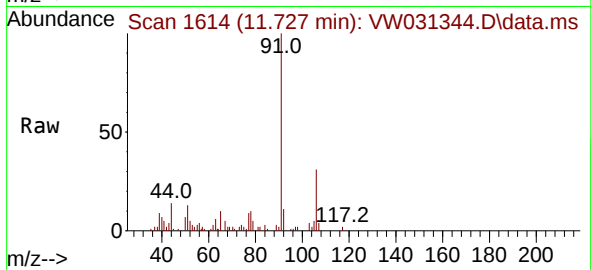




#52
Ethylbenzene
Concen: 1.655 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

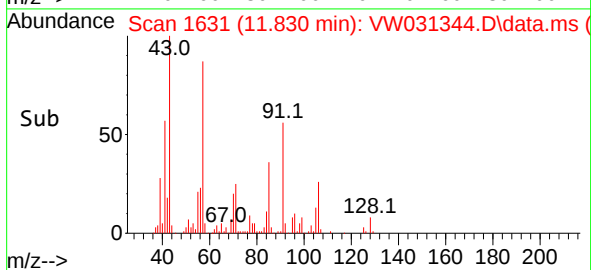
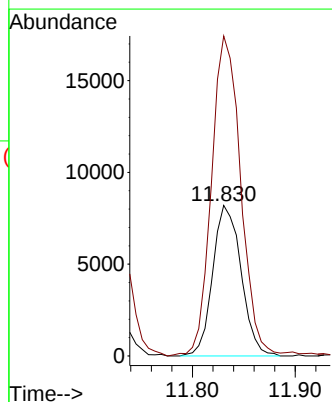
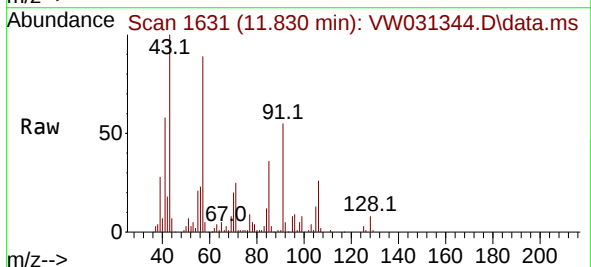
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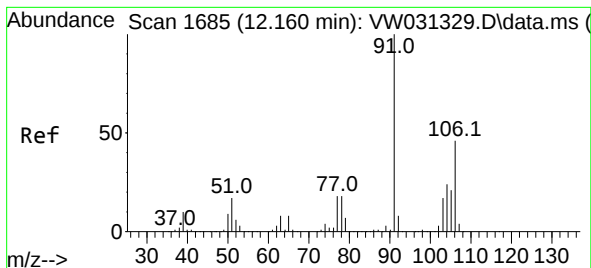
Tgt Ion: 91 Resp: 12836
Ion Ratio Lower Upper
91 100
106 31.4 20.7 38.5



#53
m,p-Xylene
Concen: 5.326 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

Tgt Ion:106 Resp: 15727
Ion Ratio Lower Upper
106 100
91 212.6 139.9 259.7





#54

o-Xylene

Concen: 3.099 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031344.D

Acq: 18 Dec 2024 16:51

Instrument :

MSVOA_W

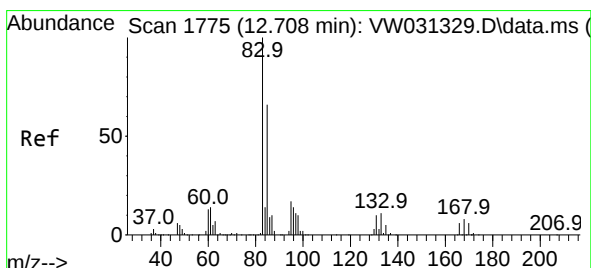
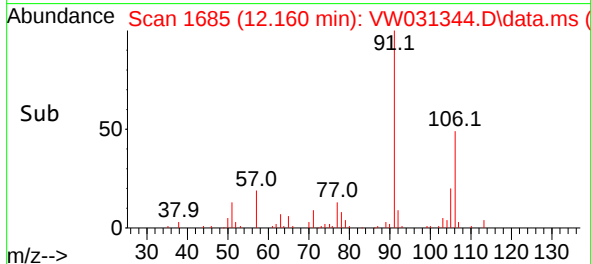
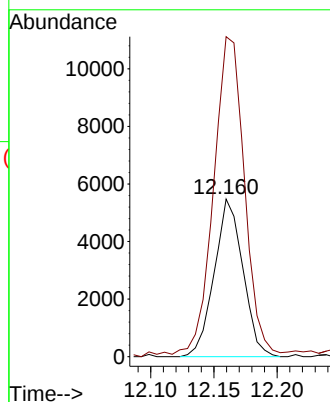
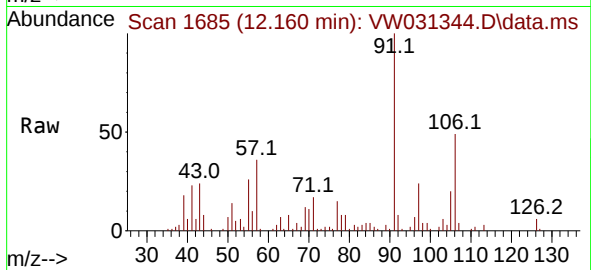
ClientSampleId :

Tgt Ion:106 Resp: 8624

Ion Ratio Lower Upper

106 100

91 203.0 153.1 284.3



#57

1,1,2,2-Tetrachloroethane

Concen: 1.837 ug/L

RT: 12.690 min Scan# 1772

Delta R.T. -0.018 min

Lab File: VW031344.D

Acq: 18 Dec 2024 16:51

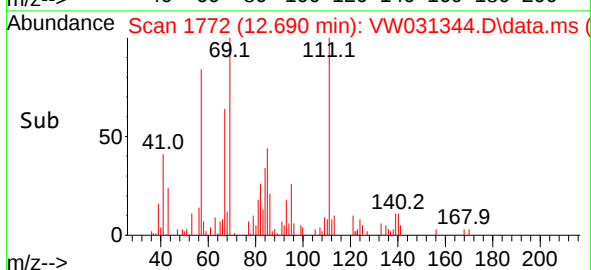
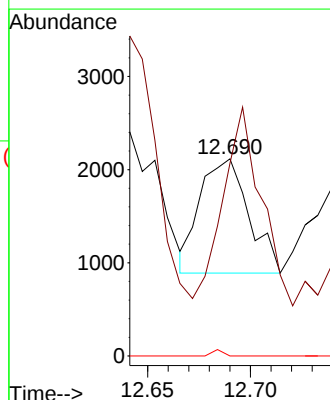
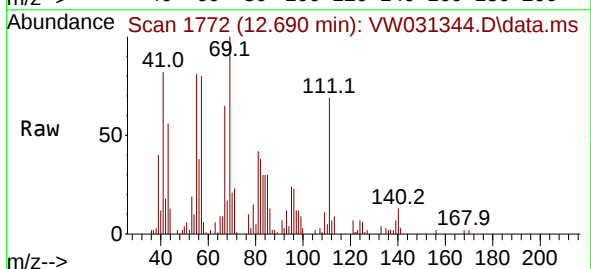
Tgt Ion: 83 Resp: 2020

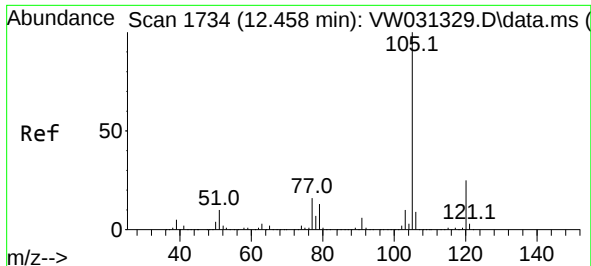
Ion Ratio Lower Upper

83 100

85 97.7 44.1 81.9#

131 0.0 7.9 11.9#

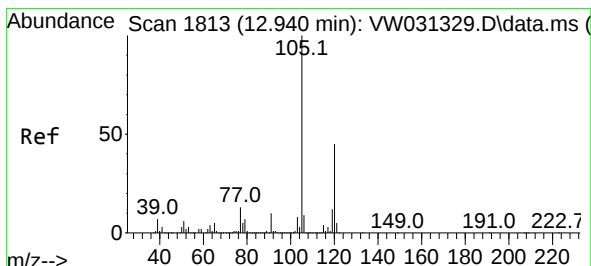
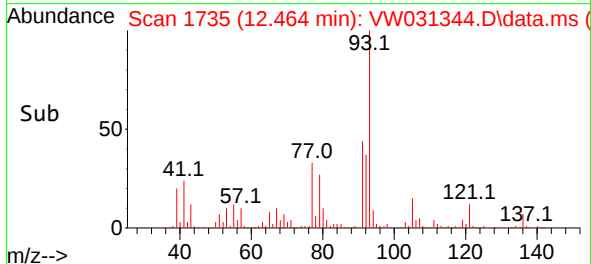
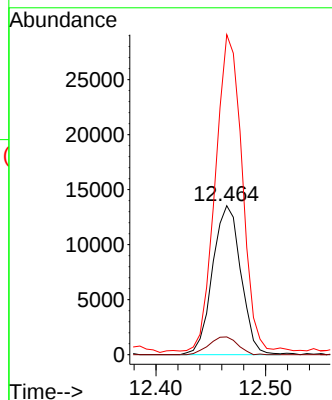
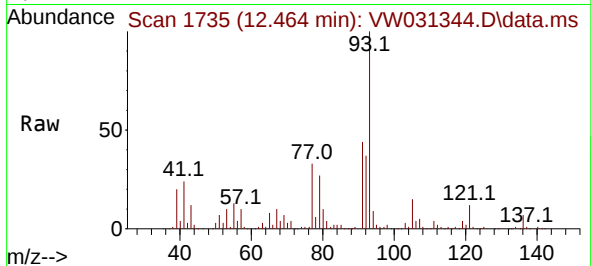




#60
Isopropylbenzene
Concen: 6.047 ug/L
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

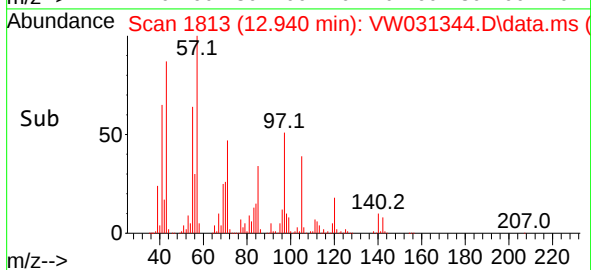
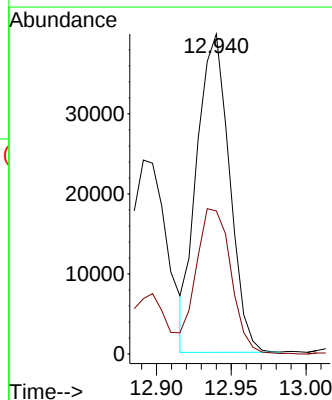
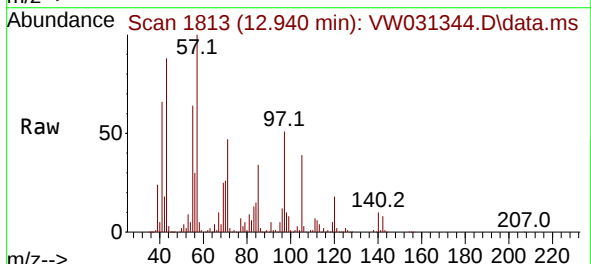
Instrument :
MSVOA_W
ClientSampleId :

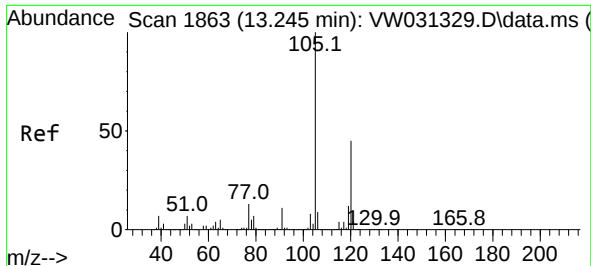
Tgt Ion	Ratio	Lower	Upper
105	100		
120	12.0	20.6	31.0#
77	199.7	12.8	19.2#



#62
1,3,5-Trimethylbenzene
Concen: 17.642 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.8	37.3	55.9

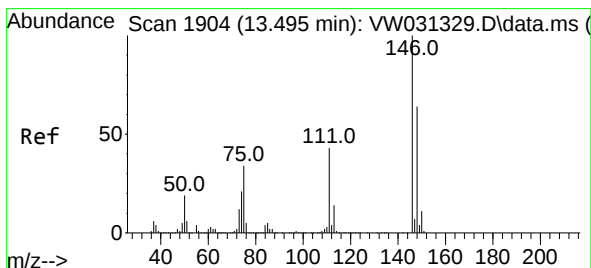
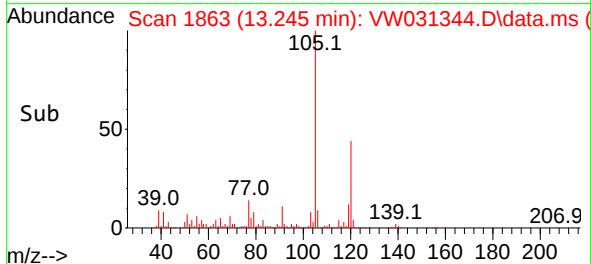
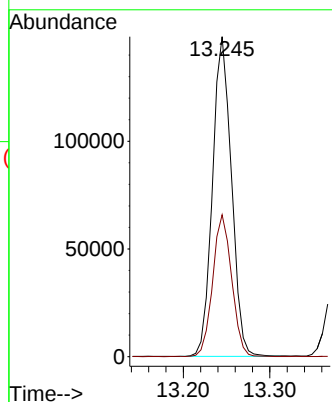
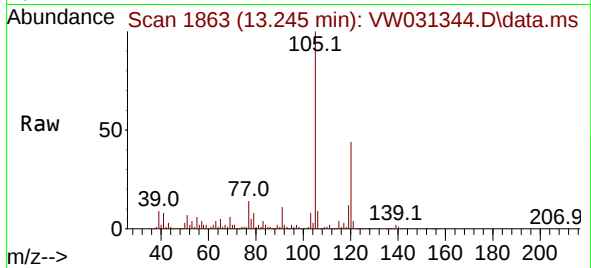




#63
1,2,4-Trimethylbenzene
Concen: 68.498 ug/L
RT: 13.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

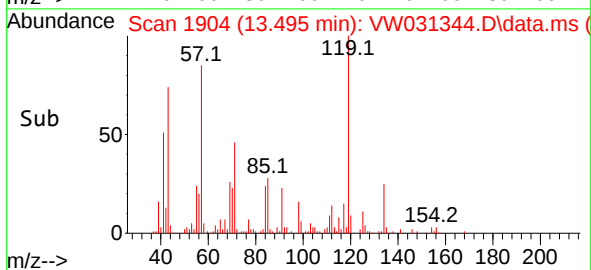
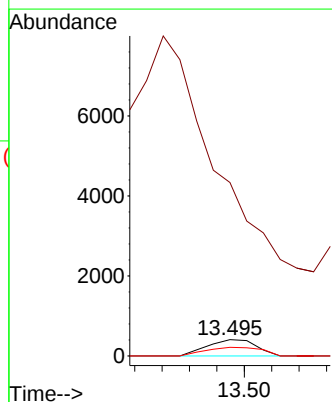
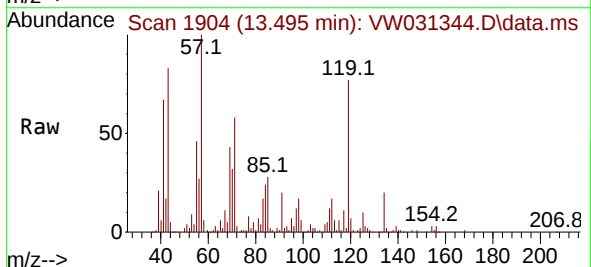
Instrument :
MSVOA_W
ClientSampleId :

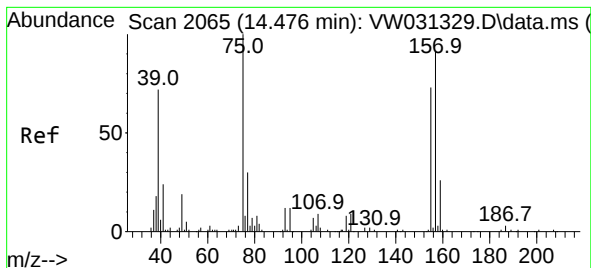
Tgt Ion:105 Resp: 225647
Ion Ratio Lower Upper
105 100
120 44.4 35.0 52.4



#64
1,3-Dichlorobenzene
Concen: 0.313 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

Tgt Ion:146 Resp: 509
Ion Ratio Lower Upper
146 100
111 1060.1 27.6 51.2#
148 52.8 41.0 76.2





#68

1,2-Dibromo-3-chloropropane

Concen: 19.864 ug/L

RT: 14.196 min Scan# 2065

Delta R.T. -0.281 min

Lab File: VW031344.D

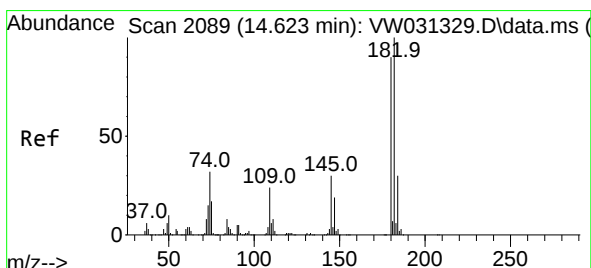
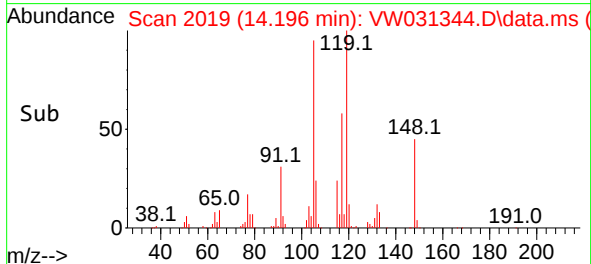
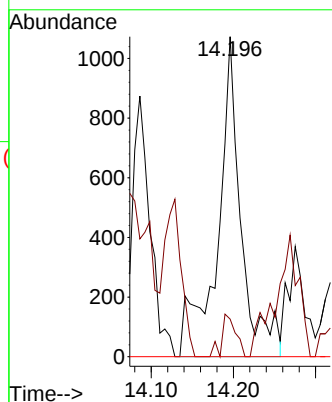
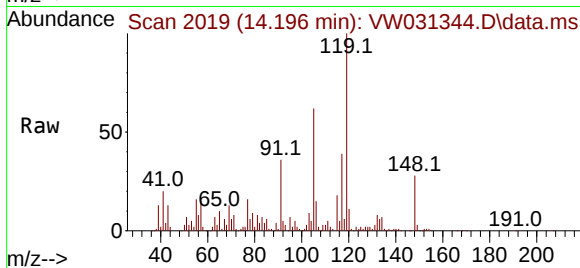
Acq: 18 Dec 2024 16:51

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	2119
Ion	Ratio	Lower	Upper
75	100		
155	11.7	56.6	85.0#
157	0.0	71.2	106.8#



#69

1,3,5-Trichlorobenzene

Concen: 0.351 ug/L

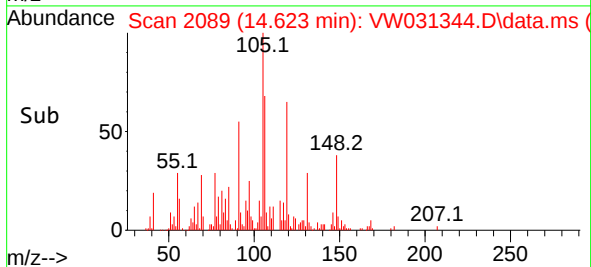
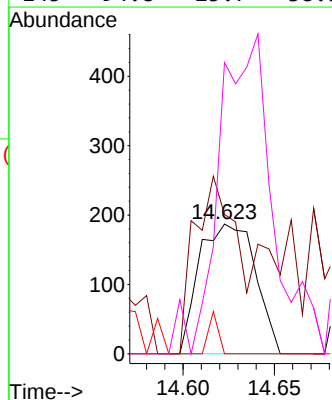
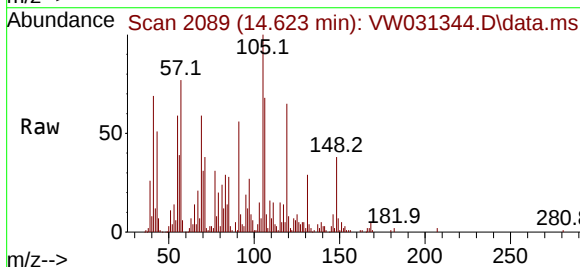
RT: 14.623 min Scan# 2089

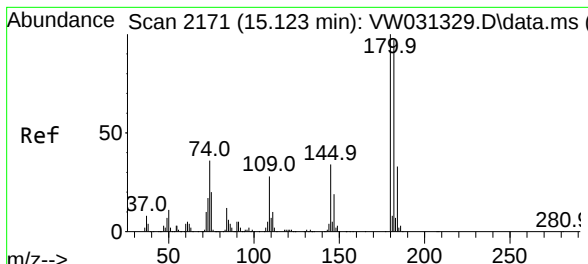
Delta R.T. -0.000 min

Lab File: VW031344.D

Acq: 18 Dec 2024 16:51

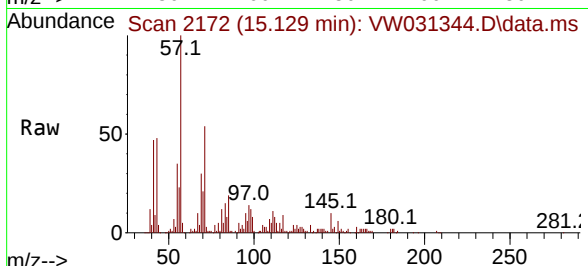
Tgt Ion:	180	Resp:	400
Ion	Ratio	Lower	Upper
180	100		
182	101.0	75.0	112.4
184	0.0	24.6	36.8#
145	94.8	25.7	38.5#



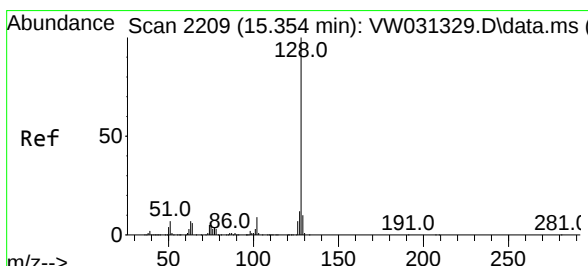
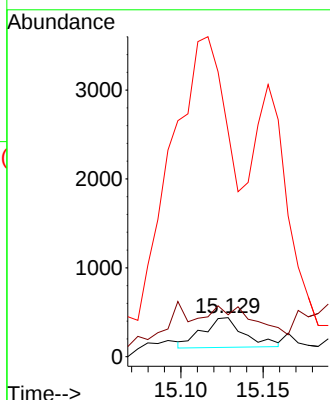
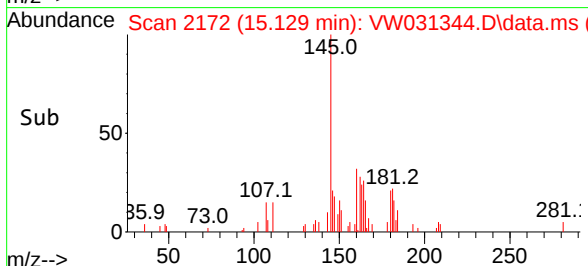


#70
1,2,4-trichlorobenzene
Concen: 0.623 ug/L
RT: 15.129 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51

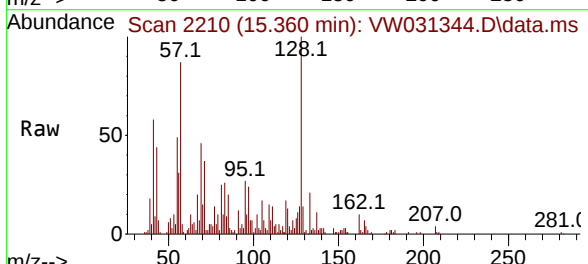
Instrument :
MSVOA_W
ClientSampleId :



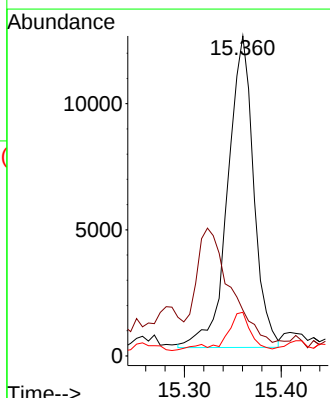
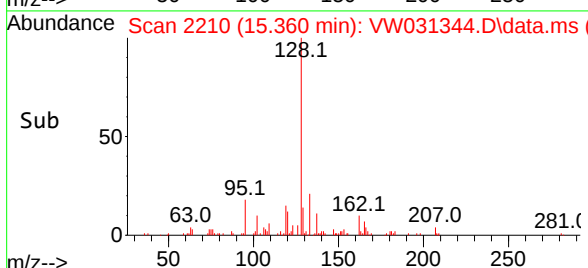
Tgt Ion:180 Resp: 591
Ion Ratio Lower Upper
180 100
182 109.3 78.2 117.2
145 1456.3 26.7 40.1#

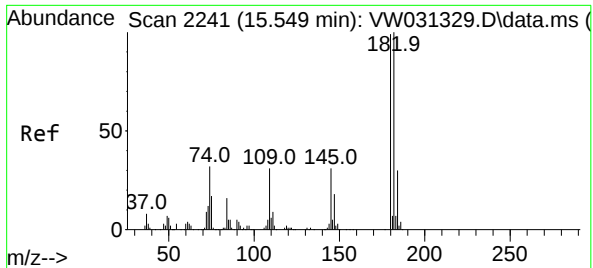


#71
Naphthalene
Concen: 13.845 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031344.D
Acq: 18 Dec 2024 16:51



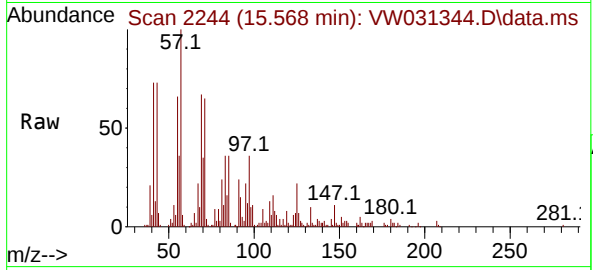
Tgt Ion:128 Resp: 23033
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 10.0 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 0.684 ug/L
 RT: 15.568 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VW031344.D
 Acq: 18 Dec 2024 16:51

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	180	Resp:	523
Ion Ratio	Lower	Upper	
180	100		
182	50.5	75.0	112.4#
145	1538.8	27.8	41.6#

