

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071224\
 Data File : VW029559.D
 Acq On : 12 Jul 2024 18:44
 Operator : SY/MD
 Sample : P3230-04
 Misc : 5.13g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 23:28:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 12 23:17:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	426700	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	353140	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	159602	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	93043	13.498	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.000%
7) Chloroethane-d5	2.899	69	74250	14.960	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.840%
11) 1,1-Dichloroethene-d2	4.021	65	45749	14.780	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.120%
21) 2-Butanone-d5	7.075	46	83836	40.516	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.040%
24) Chloroform-d	7.648	84	193099	15.654	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	62.600%
26) 1,2-Dichloroethane-d4	8.307	65	121178	16.748	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	67.000%#
32) Benzene-d6	8.276	84	378695	17.901	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	71.600%
36) 1,2-Dichloropropane-d6	9.270	67	125300	18.524	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	74.080%
41) Toluene-d8	10.325	98	339446	18.245	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	10.581	79	53417	18.649	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.600%
47) 2-Hexanone-d5	10.928	63	57262	46.588	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.180%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	104973	19.115	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.440%
66) 1,2-Dichlorobenzene-d4	13.848	152	96248	17.316	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	69.280%#
Target Compounds						Qvalue
5) Vinyl chloride	2.375	62	26718	4.188	ug/L	100
13) Acetone	4.125	43	23011	11.018	ug/L	94
14) Carbon disulfide	4.399	76	11581	0.672	ug/L	96
16) Methylene chloride	4.917	84	23280	3.047	ug/L	95
17) trans-1,2-Dichloroethene	5.435	96	1812	0.308	ug/L	88
20) cis-1,2-Dichloroethene	7.173	96	1001459	155.904	ug/L	99
34) Trichloroethene	9.087	95	1065896	182.682	ug/L	91
35) Methylcyclohexane	9.337	83	2884	0.308	ug/L	89
39) cis-1,3-Dichloropropene	10.032	75	3849	0.419	ug/L #	65
42) Toluene	10.386	91	155264	6.869	ug/L	99
45) 1,1,2-Trichloroethane	10.764	97	24592	5.597	ug/L #	21
46) Tetrachloroethene	10.873	164	11204252	2702.898	ug/L	92
48) 2-Hexanone	10.934	43	40041	12.378	ug/L #	31
52) Ethylbenzene	11.733	91	28515	1.113	ug/L	99
53) m,p-Xylene	11.830	106	69916	7.437	ug/L	94
54) o-Xylene	12.160	106	28288	3.253	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	26322	1.648	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	33960	1.926	ug/L	95

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Quant Title : SFAM01.0
QLast Update : Fri Jul 12 23:17:28 2024
Response via : Initial Calibration

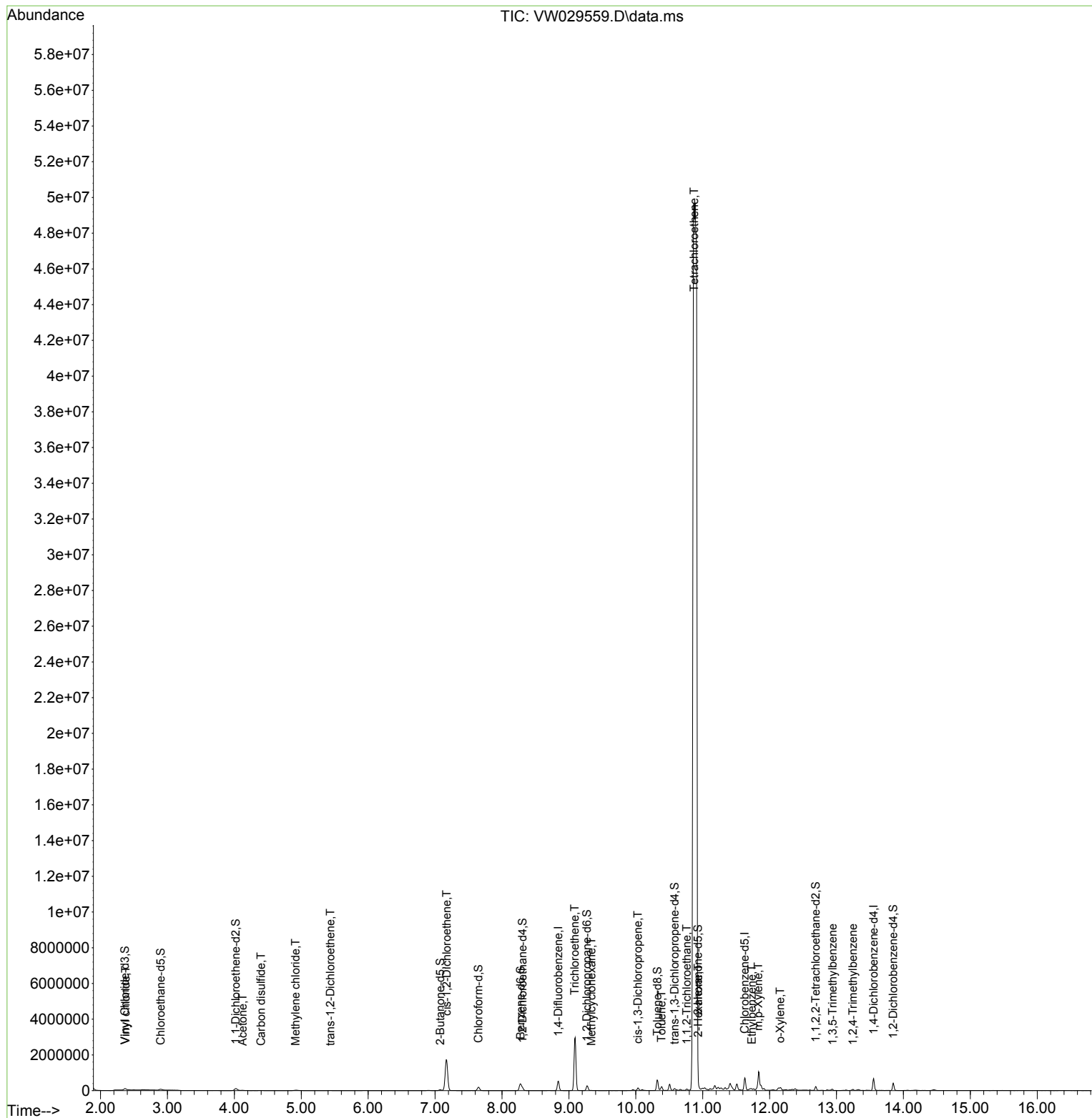
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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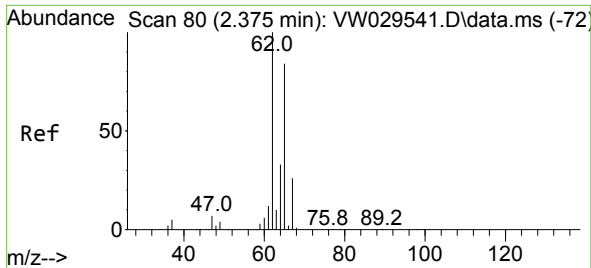
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.188 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW029559.D

Acq: 12 Jul 2024 18:44

Instrument :

MSVOA_W

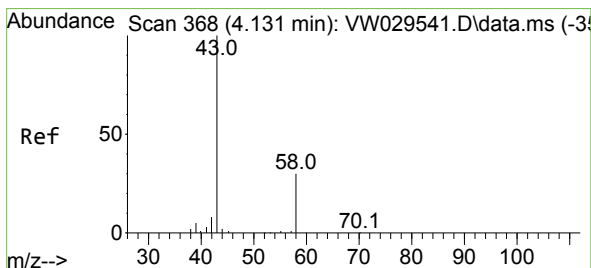
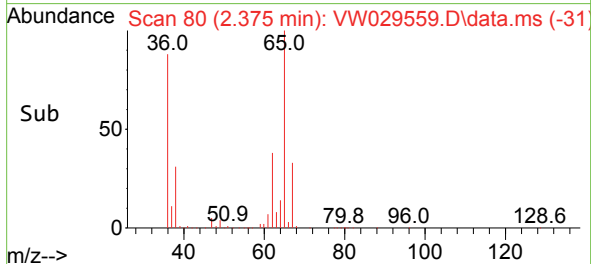
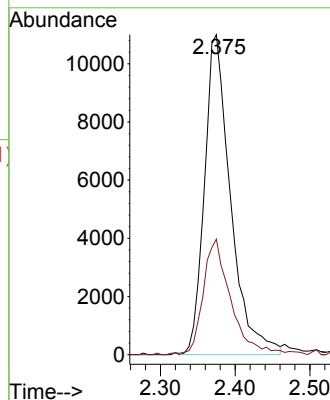
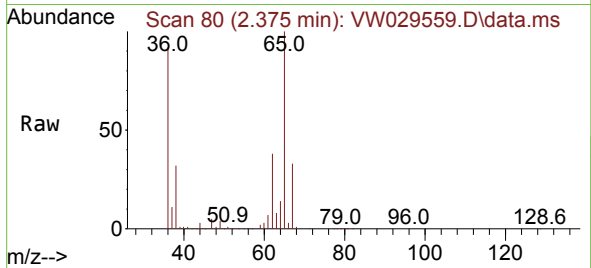
ClientSampleId :

Tgt Ion: 62 Resp: 26718

Ion Ratio Lower Upper

62 100

64 36.1 25.1 46.5



#13

Acetone

Concen: 11.018 ug/L

RT: 4.125 min Scan# 367

Delta R.T. -0.006 min

Lab File: VW029559.D

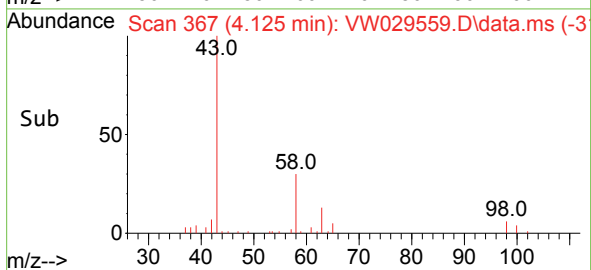
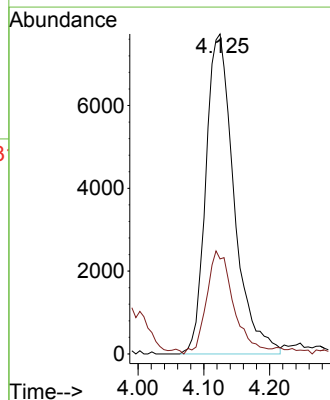
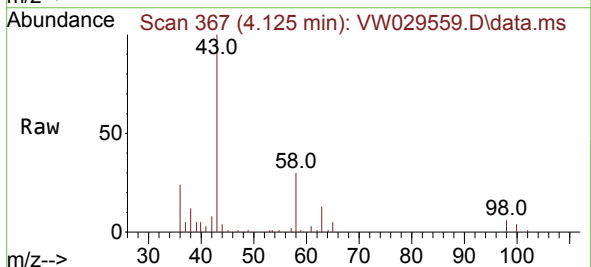
Acq: 12 Jul 2024 18:44

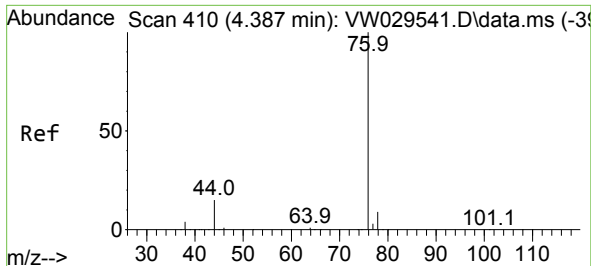
Tgt Ion: 43 Resp: 23011

Ion Ratio Lower Upper

43 100

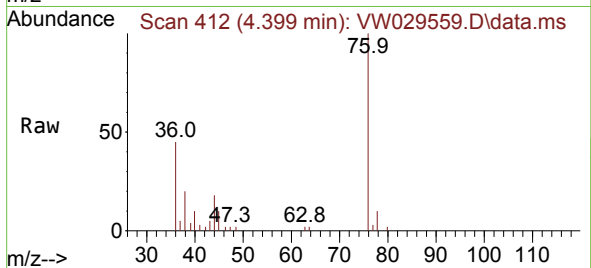
58 30.7 0.0 55.6



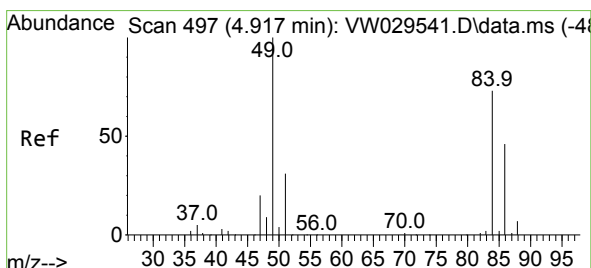
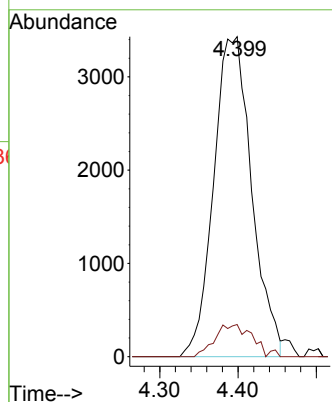
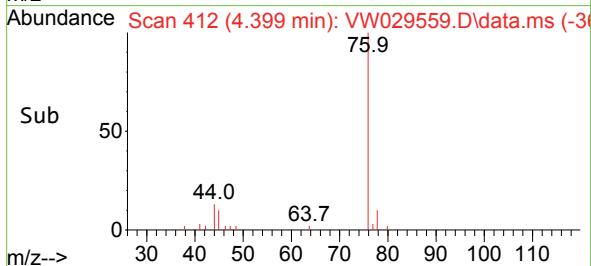


#14
Carbon disulfide
Concen: 0.672 ug/L
RT: 4.399 min Scan# 410
Delta R.T. 0.012 min
Lab File: VW029559.D
Acq: 12 Jul 2024 18:44

Instrument :
MSVOA_W
ClientSampleId :

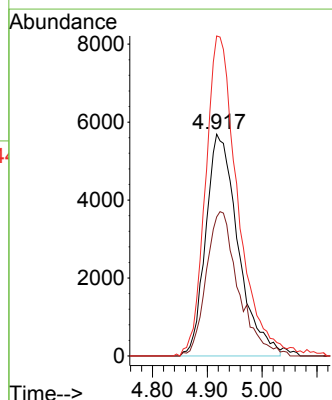
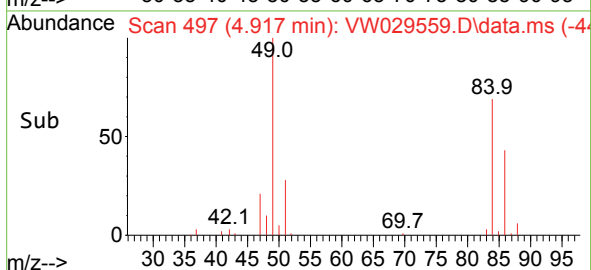
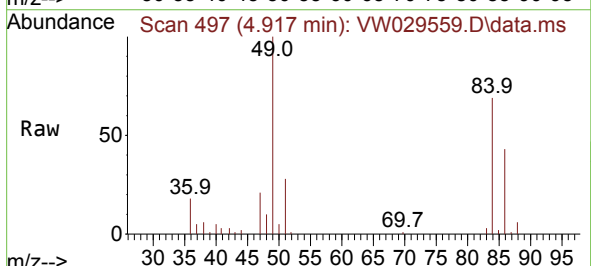


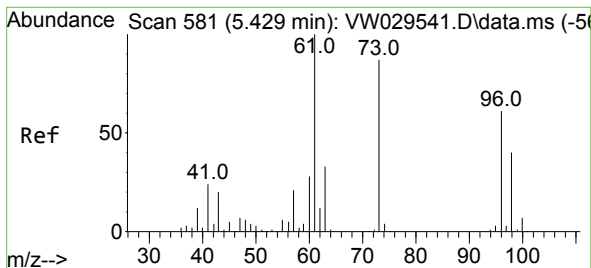
Tgt Ion: 76 Resp: 11581
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.4



#16
Methylene chloride
Concen: 3.047 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW029559.D
Acq: 12 Jul 2024 18:44

Tgt Ion: 84 Resp: 23280
Ion Ratio Lower Upper
84 100
86 62.7 46.2 85.8
49 144.3 96.7 179.7





#17

trans-1,2-Dichloroethene

Concen: 0.308 ug/L

RT: 5.435 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW029559.D

Acq: 12 Jul 2024 18:44

Instrument :

MSVOA_W

ClientSampleId :

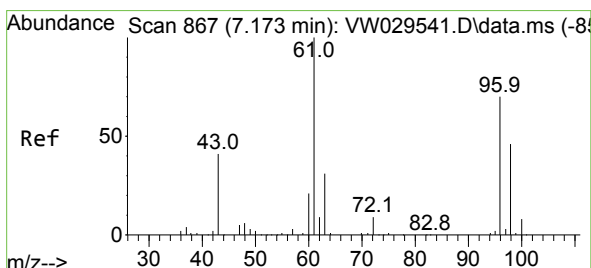
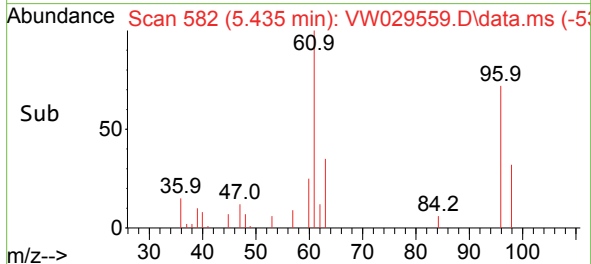
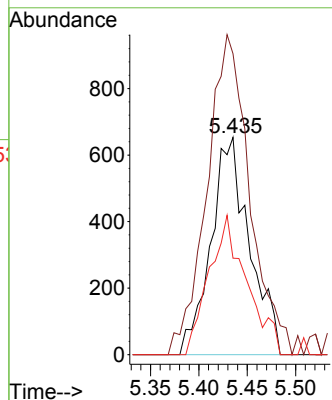
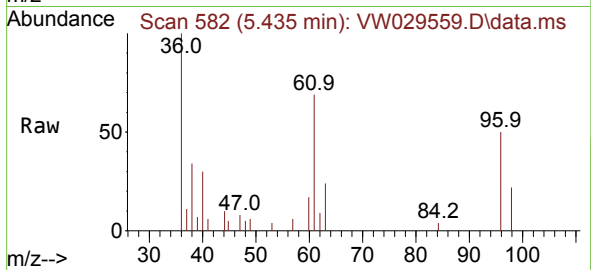
Tgt Ion: 96 Resp: 1812

Ion Ratio Lower Upper

96 100

61 138.6 102.9 191.1

98 44.4 43.9 81.5



#20

cis-1,2-Dichloroethene

Concen: 155.904 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW029559.D

Acq: 12 Jul 2024 18:44

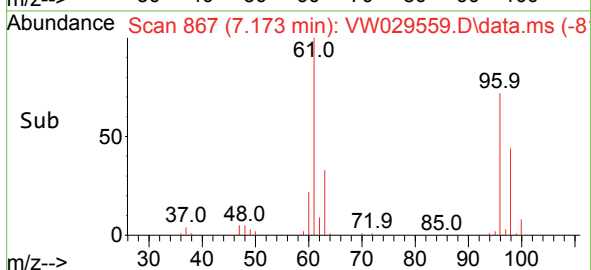
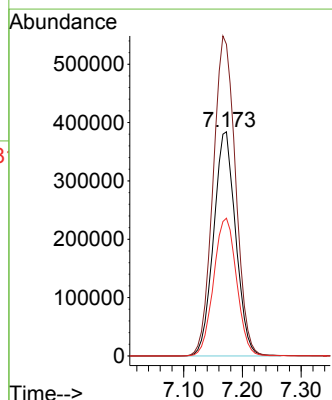
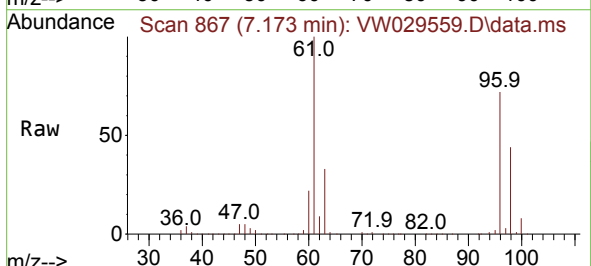
Tgt Ion: 96 Resp: 1001459

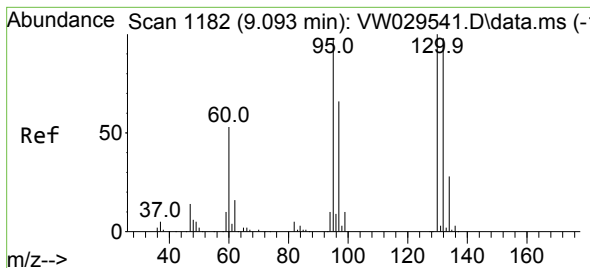
Ion Ratio Lower Upper

96 100

61 139.0 97.4 180.8

98 61.5 41.6 77.2





#34

Trichloroethene

Concen: 182.682 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW029559.D

Acq: 12 Jul 2024 18:44

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 1065896

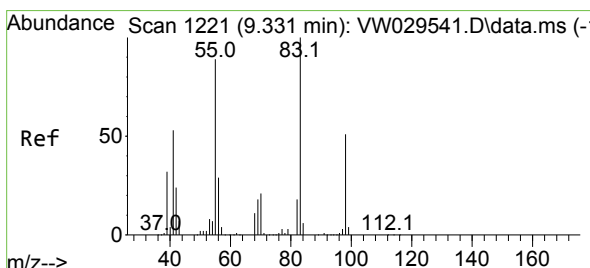
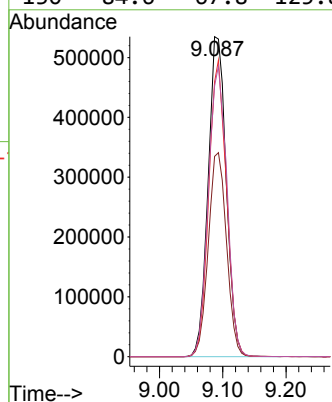
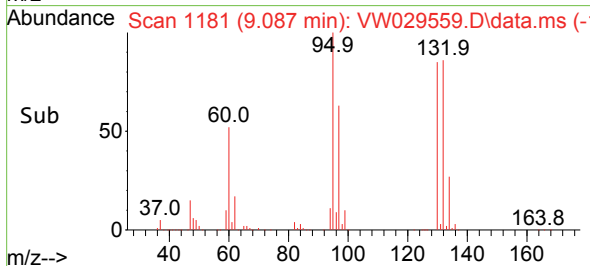
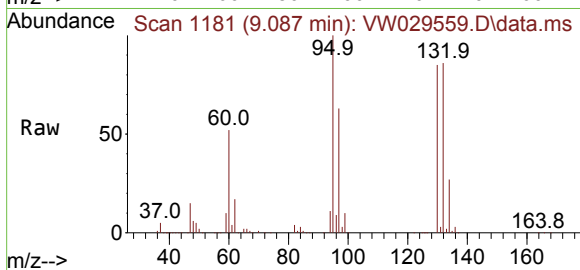
Ion Ratio Lower Upper

95 100

97 62.6 47.3 87.9

132 85.9 65.8 122.2

130 84.6 67.8 125.8



#35

Methylcyclohexane

Concen: 0.308 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW029559.D

Acq: 12 Jul 2024 18:44

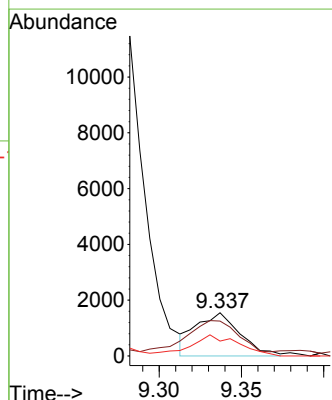
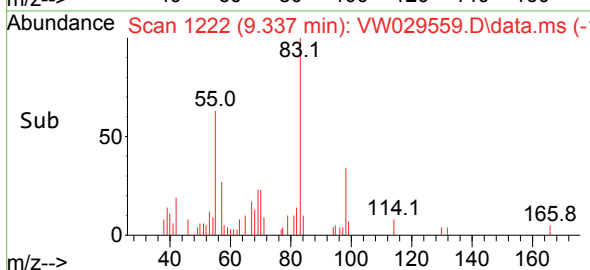
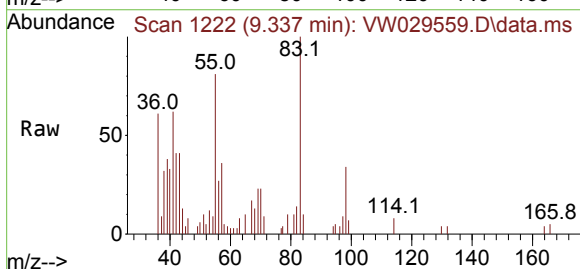
Tgt Ion: 83 Resp: 2884

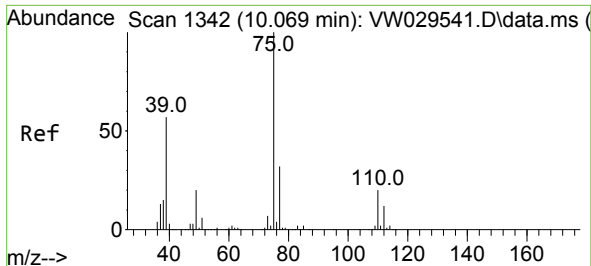
Ion Ratio Lower Upper

83 100

55 98.6 69.6 104.4

98 53.7 38.3 57.5





#39

cis-1,3-Dichloropropene

Concen: 0.419 ug/L

RT: 10.032 min Scan# 1336

Delta R.T. -0.037 min

Lab File: VW029559.D

Acq: 12 Jul 2024 18:44

Instrument :

MSVOA_W

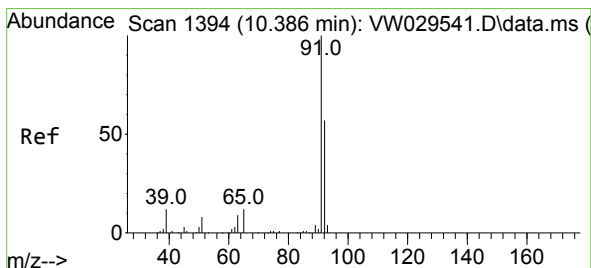
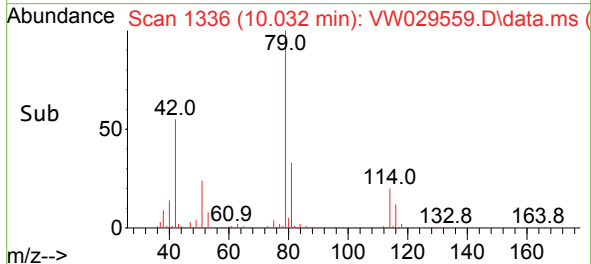
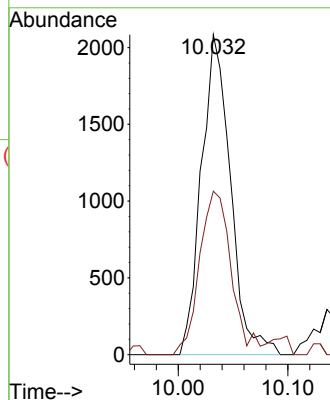
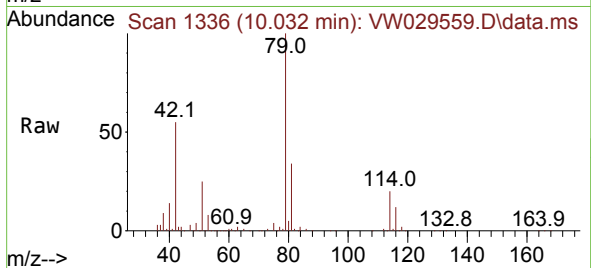
ClientSampleId :

Tgt Ion: 75 Resp: 3849

Ion Ratio Lower Upper

75 100

77 51.1 22.2 41.2#



#42

Toluene

Concen: 6.869 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW029559.D

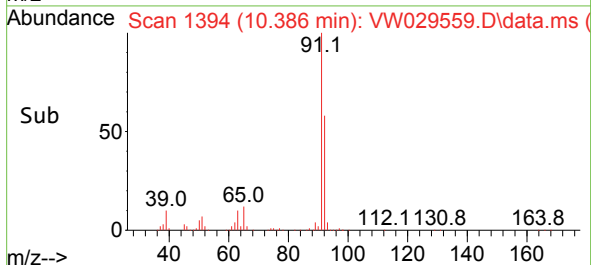
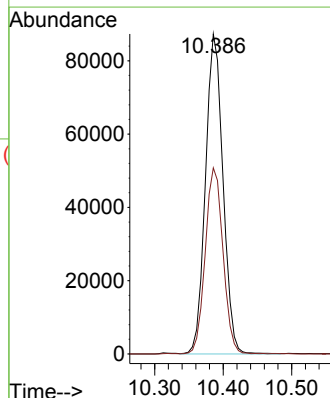
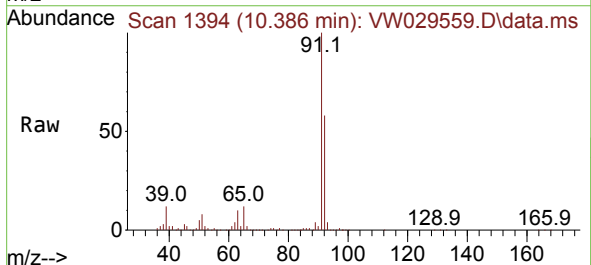
Acq: 12 Jul 2024 18:44

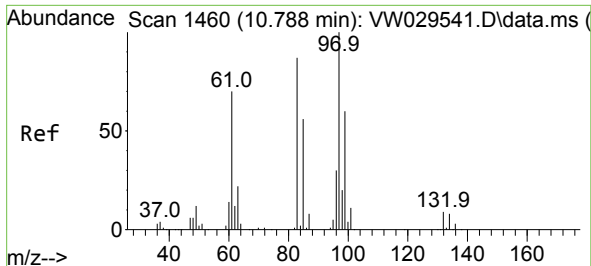
Tgt Ion: 91 Resp: 155264

Ion Ratio Lower Upper

91 100

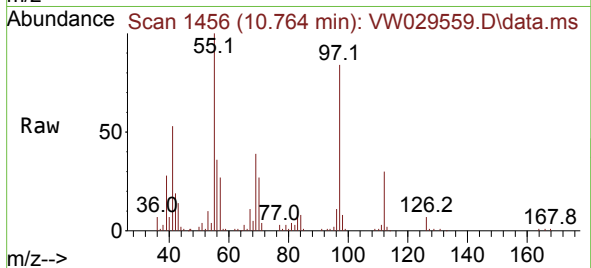
92 58.2 41.1 76.3



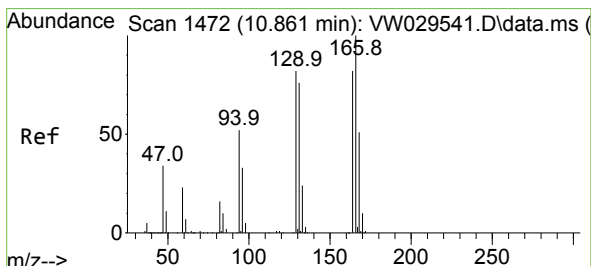
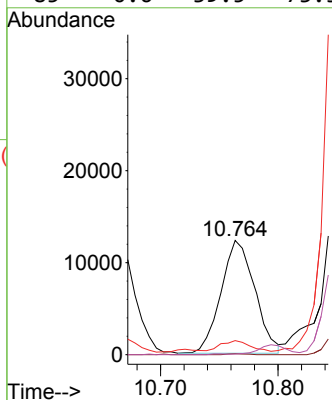
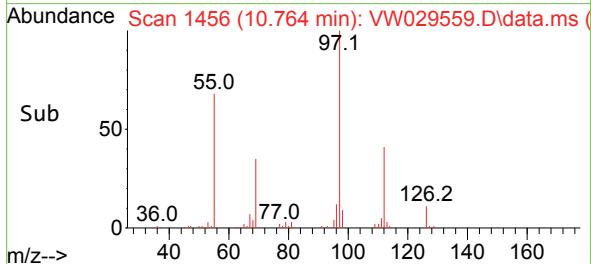


#45
1,1,2-Trichloroethane
Concen: 5.597 ug/L
RT: 10.764 min Scan# 1456
Delta R.T. -0.024 min
Lab File: VW029559.D
Acq: 12 Jul 2024 18:44

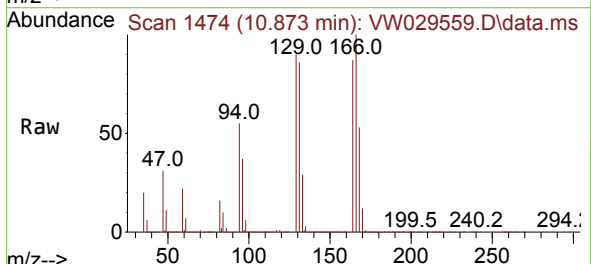
Instrument :
MSVOA_W
ClientSampleId :



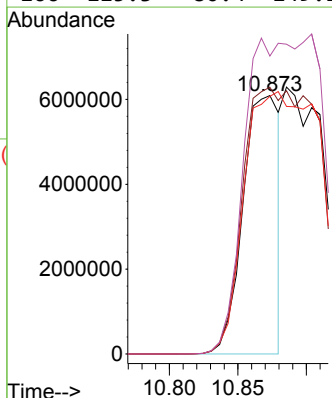
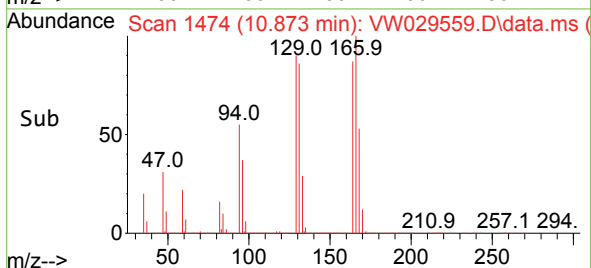
Tgt Ion: 97	Resp: 24592
Ion Ratio	Lower Upper
97 100	
99 0.8	43.8 81.4#
83 12.3	60.3 111.9#
85 0.6	39.5 73.3#

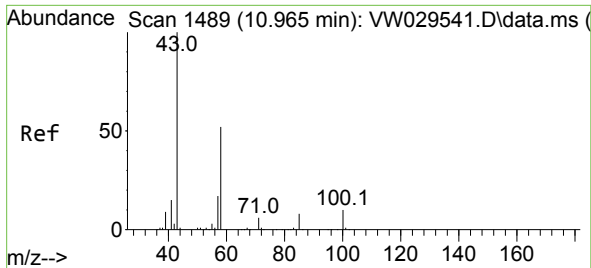


#46
Tetrachloroethene
Concen: 2702.898 ug/L
RT: 10.873 min Scan# 1474
Delta R.T. 0.012 min
Lab File: VW029559.D
Acq: 12 Jul 2024 18:44



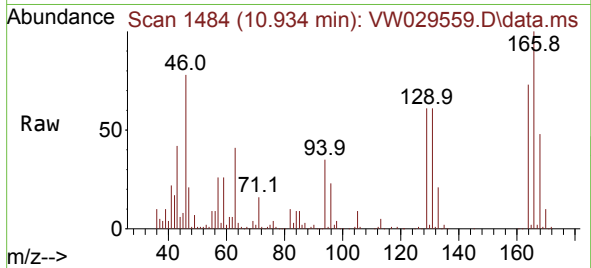
Tgt	Ion:164	Resp:11204252	
Ion	Ratio	Lower	Upper
164	100		
129	103.2	60.0	111.4
131	99.7	64.6	120.0
166	115.3	80.4	149.2



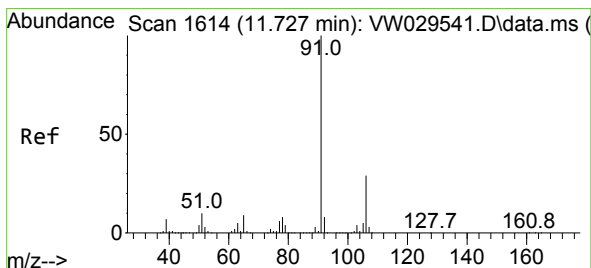
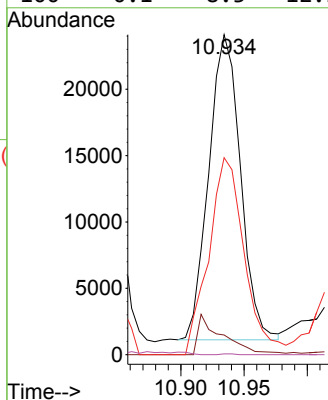
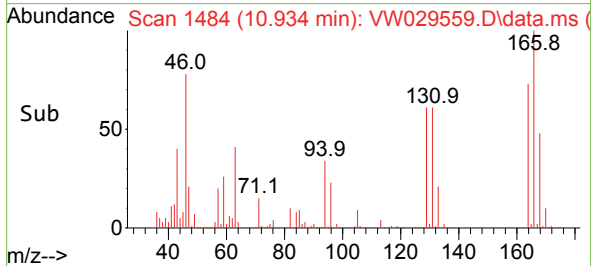


#48
2-Hexanone
Concen: 12.378 ug/L
RT: 10.934 min Scan# 1489
Delta R.T. -0.031 min
Lab File: VW029559.D
Acq: 12 Jul 2024 18:44

Instrument :
MSVOA_W
ClientSampleId :

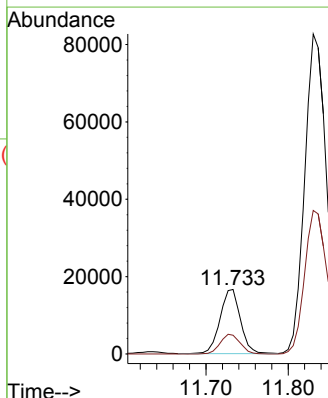
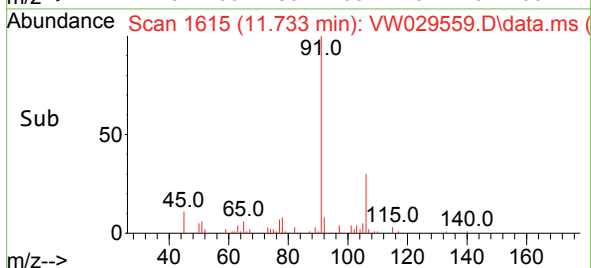
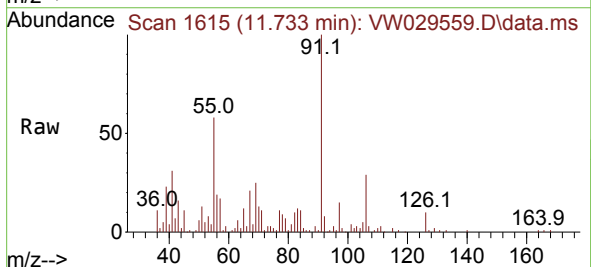


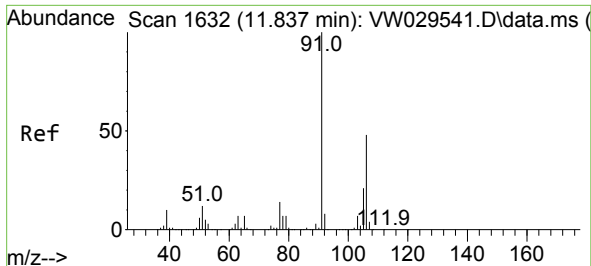
Tgt Ion: 43 Resp: 40041
Ion Ratio Lower Upper
43 100
58 9.9 39.8 59.8#
57 72.8 14.6 21.8#
100 0.1 8.3 12.5#



#52
Ethylbenzene
Concen: 1.113 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW029559.D
Acq: 12 Jul 2024 18:44

Tgt Ion: 91 Resp: 28515
Ion Ratio Lower Upper
91 100
106 29.2 20.2 37.6

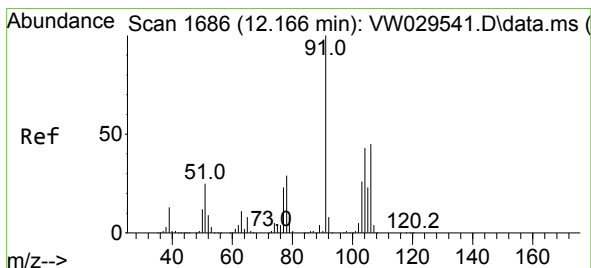
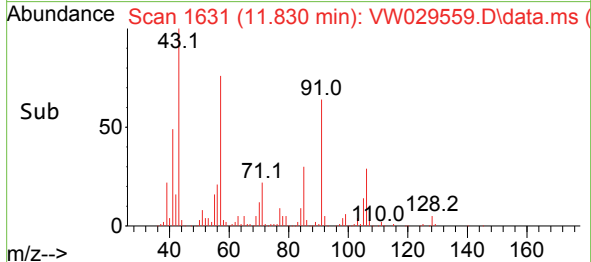
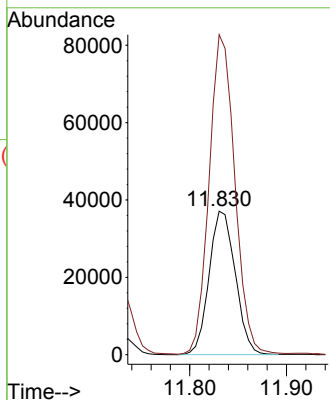
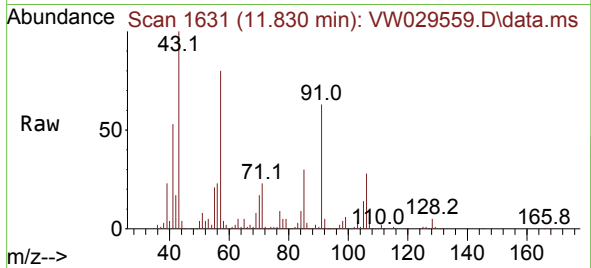




#53
m,p-Xylene
Concen: 7.437 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW029559.D
Acq: 12 Jul 2024 18:44

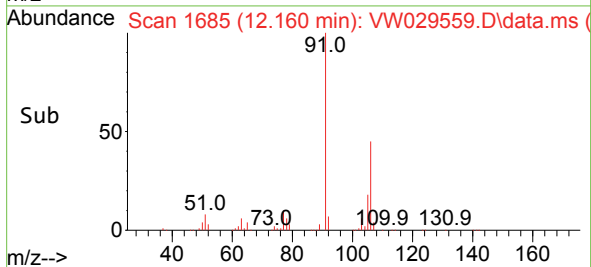
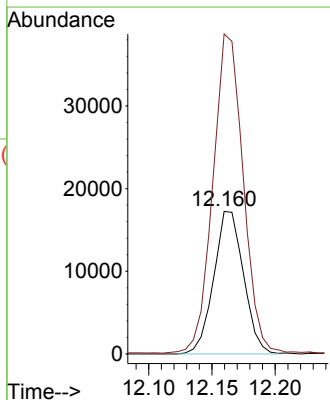
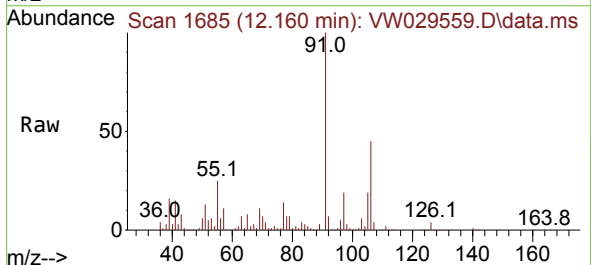
Instrument :
MSVOA_W
ClientSampleId :

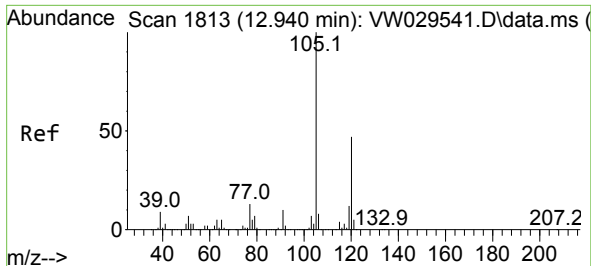
Tgt Ion:106 Resp: 69916
Ion Ratio Lower Upper
106 100
91 222.9 149.3 277.3



#54
o-Xylene
Concen: 3.253 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW029559.D
Acq: 12 Jul 2024 18:44

Tgt Ion:106 Resp: 28288
Ion Ratio Lower Upper
106 100
91 224.3 159.2 295.6





#62

1,3,5-Trimethylbenzene

Concen: 1.648 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW029559.D

Acq: 12 Jul 2024 18:44

Instrument :

MSVOA_W

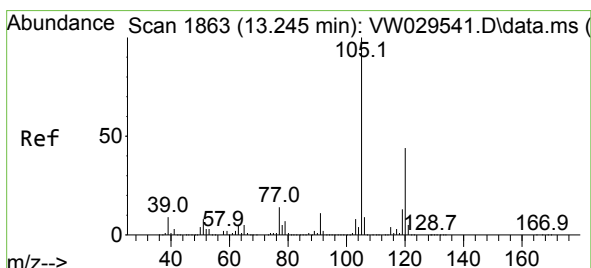
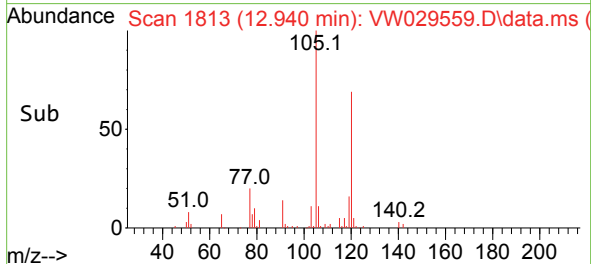
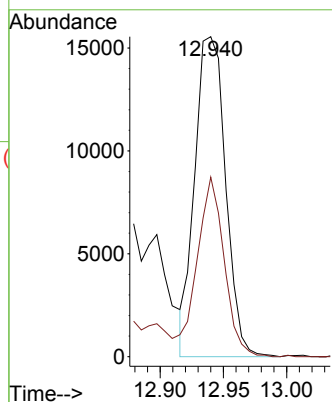
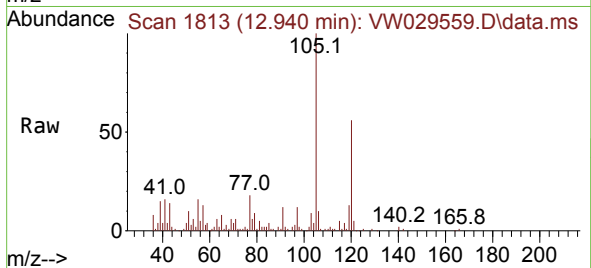
ClientSampleId :

Tgt Ion:105 Resp: 26322

Ion Ratio Lower Upper

105 100

120 49.9 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 1.926 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW029559.D

Acq: 12 Jul 2024 18:44

Tgt Ion:105 Resp: 33960

Ion Ratio Lower Upper

105 100

120 40.1 34.7 52.1

