

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
 Data File : VW024169.D
 Acq On : 04 Aug 2022 18:42
 Operator : SY/VA
 Sample : N4008-05
 Misc : 6.19g/10mL/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COZE4

Quant Time: Aug 05 01:03:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 05 01:00:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.835	114	312379	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	236484	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	75780	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.337	65	183526	28.107	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.440%
7) Chloroethane-d5	2.873	69	87675	21.555	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.240%
11) 1,1-Dichloroethene-d2	4.001	63	147229	19.785	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.160%
21) 2-Butanone-d5	7.080	46	66647	54.863	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.720%
24) Chloroform-d	7.647	84	220251	23.302	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	8.305	65	126789	24.161	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.640%
32) Benzene-d6	8.268	84	408141	29.264	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.040%
36) 1,2-Dichloropropane-d6	9.274	67	126485	30.716	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.880%#
41) Toluene-d8	10.323	98	363053	27.850	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.400%
43) trans-1,3-Dichloroprop...	10.579	79	50524	28.012	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.040%
47) 2-Hexanone-d5	10.920	63	56360	74.099	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.200%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	112034	28.042	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.160%
66) 1,2-Dichlorobenzene-d4	13.853	152	84516	30.477	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	121.920%#
Target Compounds						Qvalue
5) Vinyl chloride	2.349	62	109668	15.285	ug/L	89
12) 1,1-Dichloroethene	4.025	96	5000	1.331	ug/L #	1
13) Acetone	4.123	43	36910	41.269	ug/L	67
16) Methylene chloride	4.909	84	46104	8.369	ug/L	91
17) trans-1,2-Dichloroethene	5.415	96	65311	15.059	ug/L	95
20) cis-1,2-Dichloroethene	7.165	96	4363831	916.216	ug/L #	96
22) 2-Butanone	7.159	43	14472	9.603	ug/L #	1
34) Trichloroethene	9.091	95	2352670	637.278	ug/L	96
42) Toluene	10.390	91	14126	0.952	ug/L	90
46) Tetrachloroethene	10.866	164	1551	0.519	ug/L #	40
48) 2-Hexanone	10.927	43	12658	8.140	ug/L #	56
53) m,p-Xylene	11.835	106	5583	0.882	ug/L	98
54) o-Xylene	12.164	106	3517	0.588	ug/L	77
57) 1,1,2,2-Tetrachloroethane	12.701	83	5630	1.548	ug/L #	63
62) 1,3,5-Trimethylbenzene	12.938	105	7987	1.054	ug/L	89
63) 1,2,4-Trimethylbenzene	13.249	105	25525	3.419	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.530	75	4983	14.142	ug/L #	69
71) Naphthalene	15.359	128	79477	17.297	ug/L	96

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Quant Time: Aug 05 01:03:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 05 01:00:42 2022
Response via : Initial Calibration

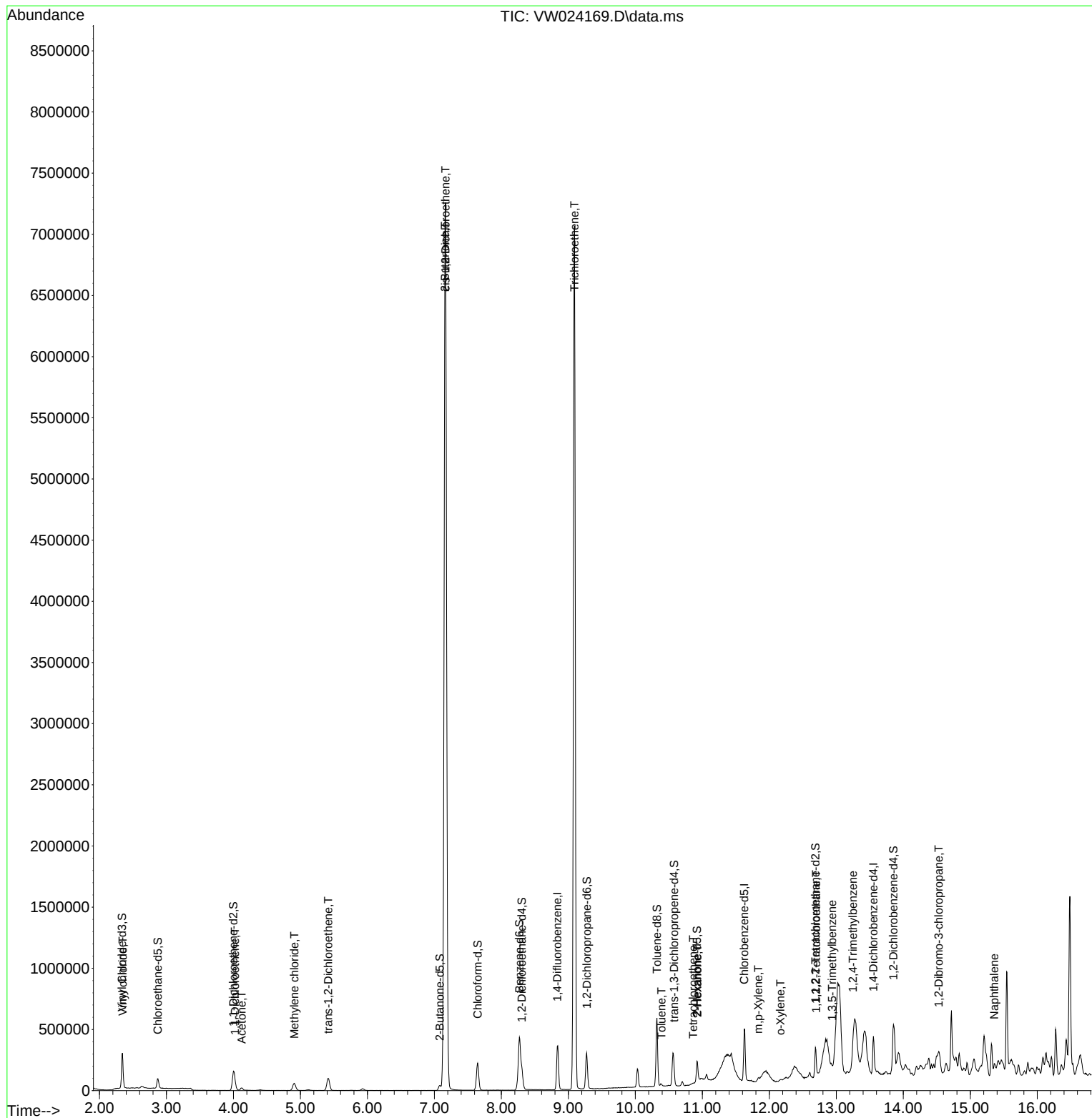
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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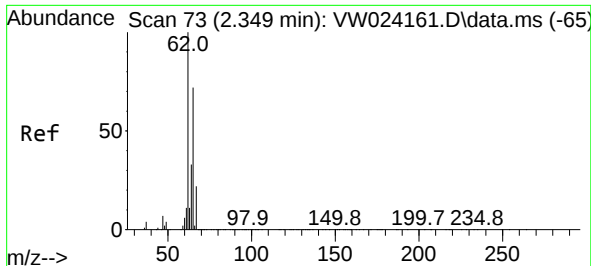
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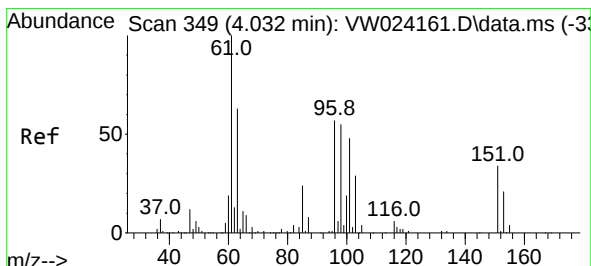
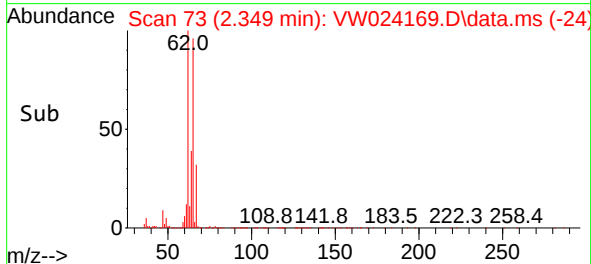
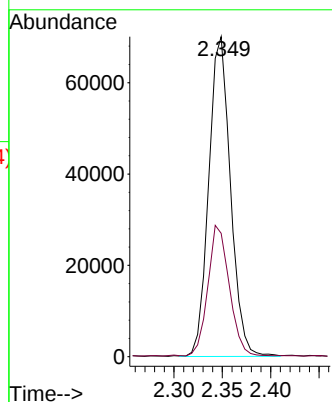
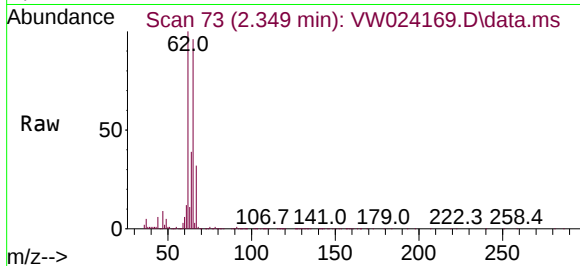




#5
 Vinyl chloride
 Concen: 15.285 ug/L
 RT: 2.349 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VW024169.D
 Acq: 04 Aug 2022 18:42

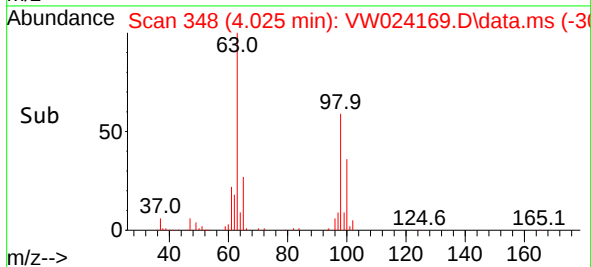
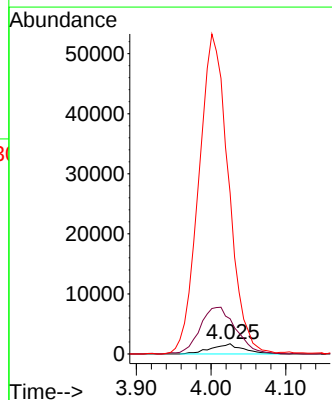
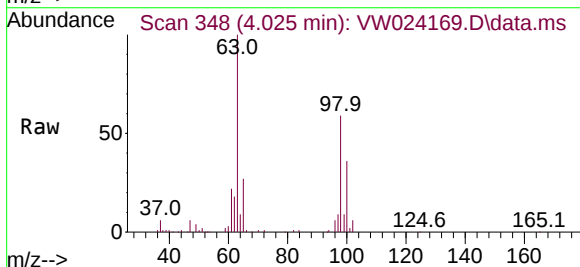
Instrument :
 MSVOA_W
 ClientSampleId :
 COZE4

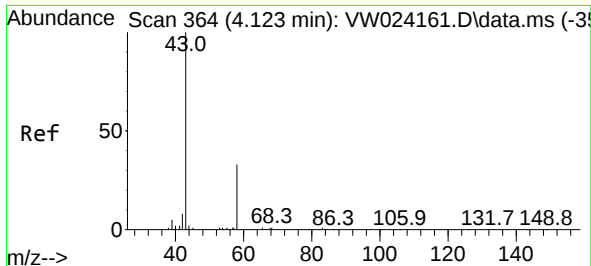
Tgt Ion: 62 Resp: 109668
 Ion Ratio Lower Upper
 62 100
 64 38.6 22.7 42.3



#12
 1,1-Dichloroethene
 Concen: 1.331 ug/L
 RT: 4.025 min Scan# 348
 Delta R.T. -0.006 min
 Lab File: VW024169.D
 Acq: 04 Aug 2022 18:42

Tgt Ion: 96 Resp: 5000
 Ion Ratio Lower Upper
 96 100
 61 344.9 123.1 228.5#
 63 1575.1 84.9 157.7#

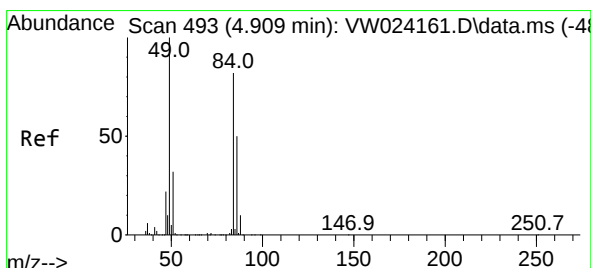
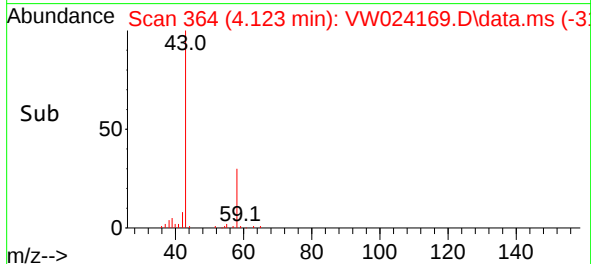
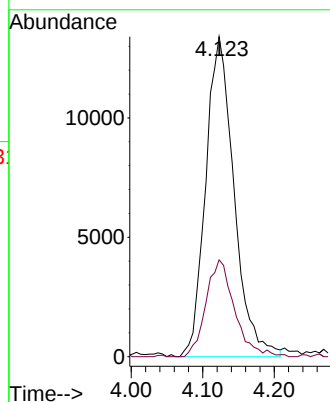
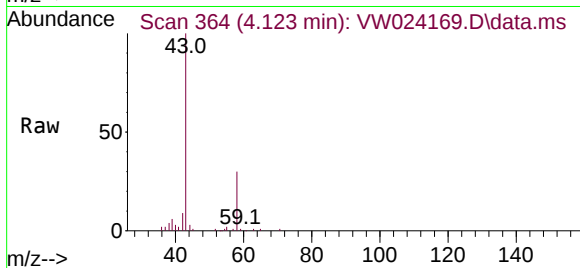




#13
Acetone
Concen: 41.269 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.000 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

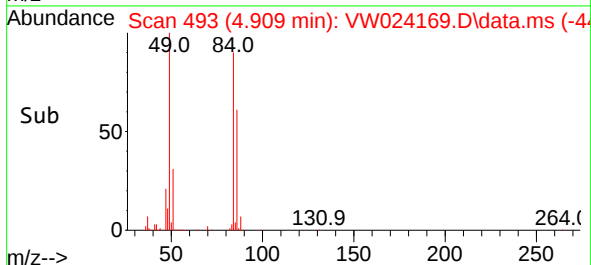
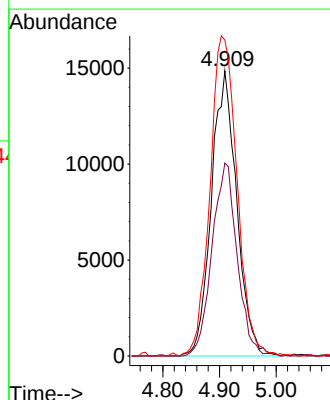
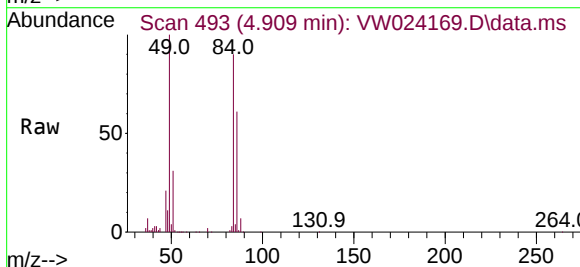
Instrument :
MSVOA_W
ClientSampleId :
C0ZE4

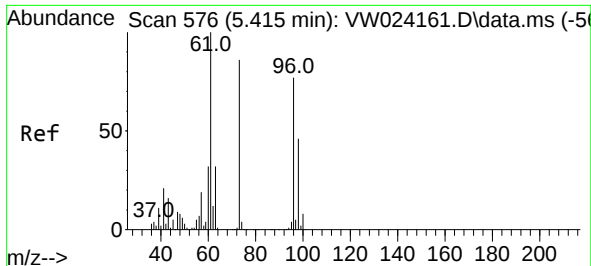
Tgt Ion: 43 Resp: 36910
Ion Ratio Lower Upper
43 100
58 29.8 0.0 31.8



#16
Methylene chloride
Concen: 8.369 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.000 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

Tgt Ion: 84 Resp: 46104
Ion Ratio Lower Upper
84 100
86 67.6 42.8 79.6
49 110.8 85.3 158.3

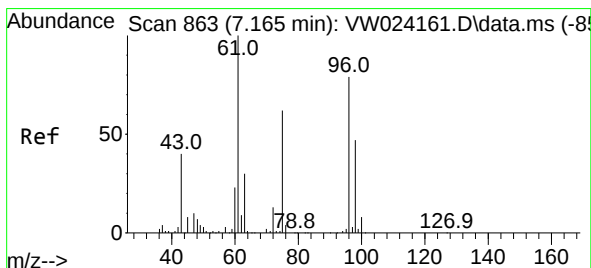
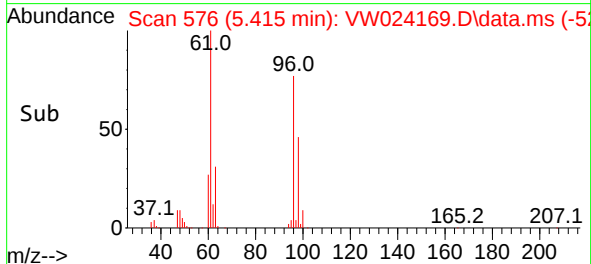
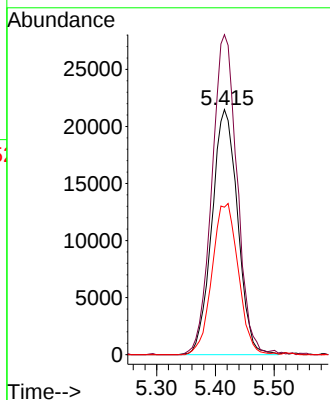
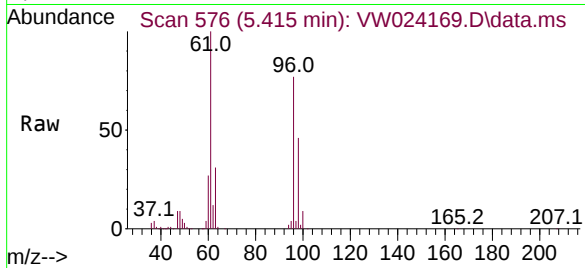




#17
trans-1,2-Dichloroethene
Concen: 15.059 ug/L
RT: 5.415 min Scan# 576
Delta R.T. -0.000 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

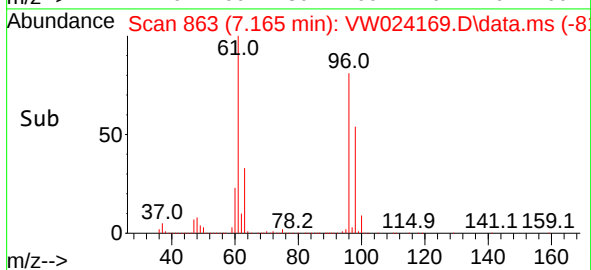
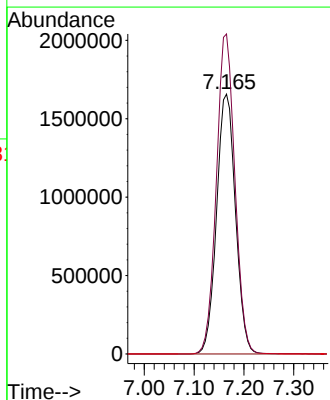
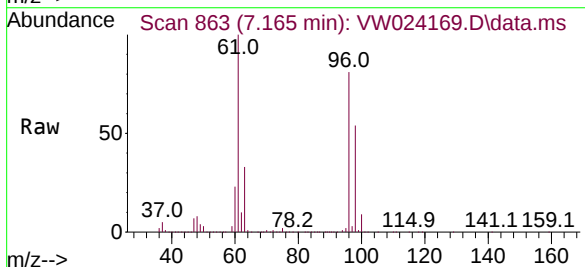
Instrument :
MSVOA_W
ClientSampleId :
COZE4

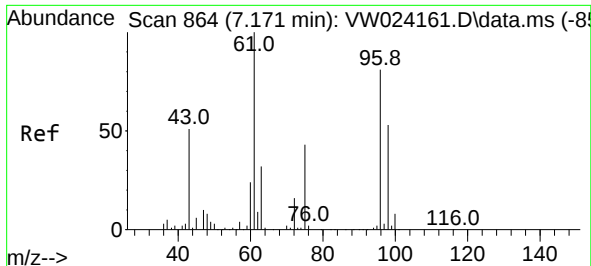
Tgt Ion: 96 Resp: 65311
Ion Ratio Lower Upper
96 100
61 130.5 93.0 172.8
98 60.2 48.5 90.1



#20
cis-1,2-Dichloroethene
Concen: 916.216 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.000 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

Tgt Ion: 96 Resp: 4363831
Ion Ratio Lower Upper
96 100
61 123.2 89.5 166.3
68 0.0 0.1 0.1#





#22

2-Butanone

Concen: 9.603 ug/L

RT: 7.159 min Scan# 862

Delta R.T. -0.012 min

Lab File: VW024169.D

Acq: 04 Aug 2022 18:42

Instrument :

MSVOA_W

ClientSampleId :

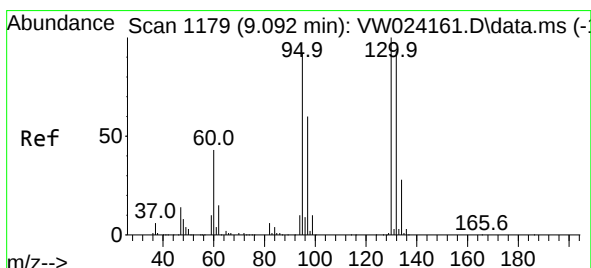
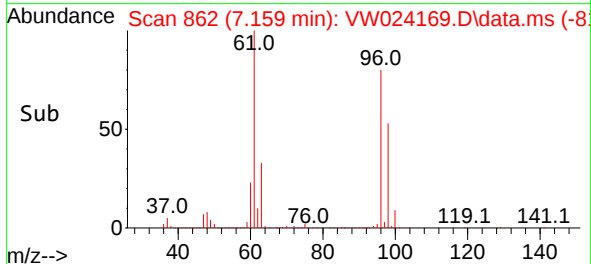
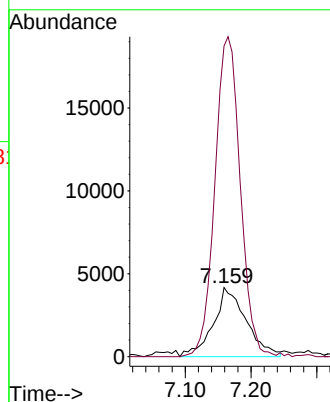
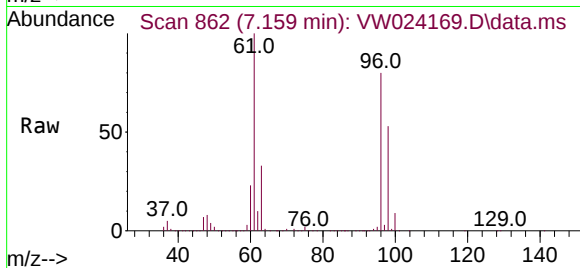
COZE4

Tgt Ion: 43 Resp: 14472

Ion Ratio Lower Upper

43 100

72 358.1 14.3 42.9#



#34

Trichloroethene

Concen: 637.278 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW024169.D

Acq: 04 Aug 2022 18:42

Tgt Ion: 95 Resp: 2352670

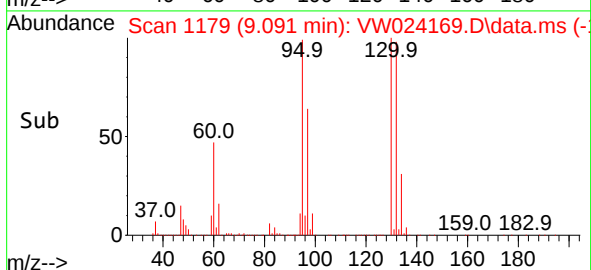
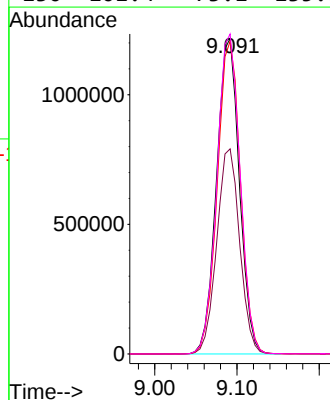
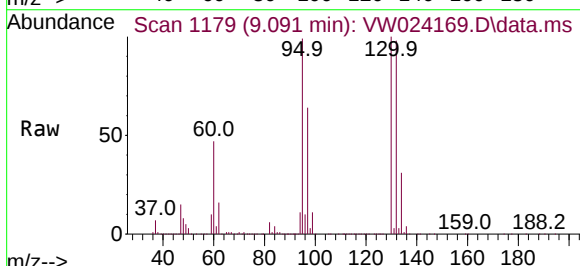
Ion Ratio Lower Upper

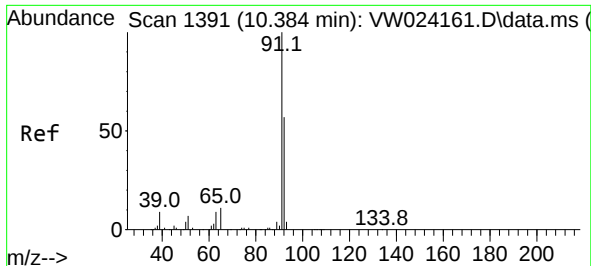
95 100

97 65.0 41.6 77.2

132 99.0 67.0 124.4

130 101.4 73.1 135.8

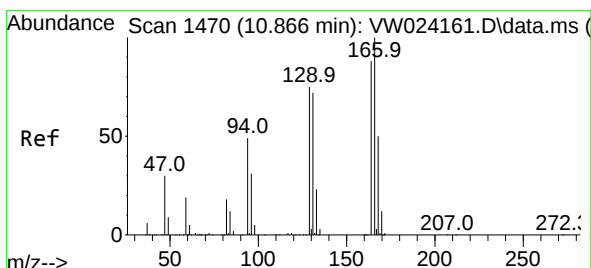
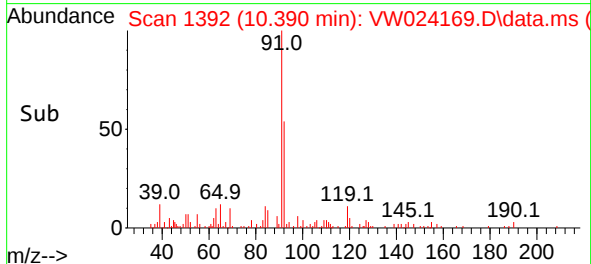
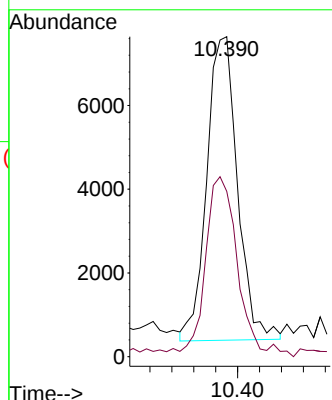
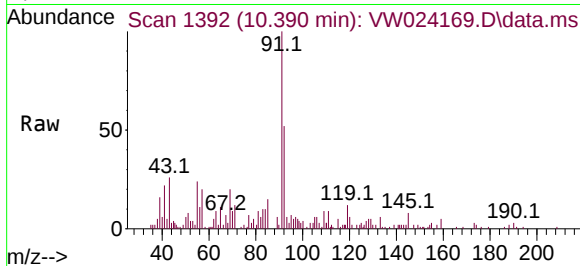




#42
Toluene
Concen: 0.952 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

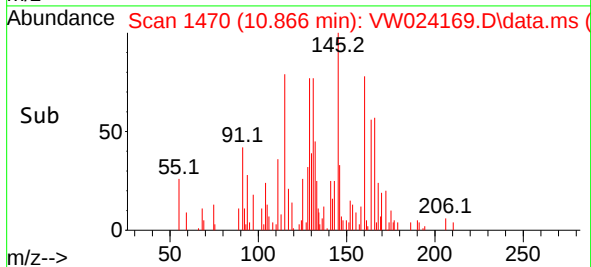
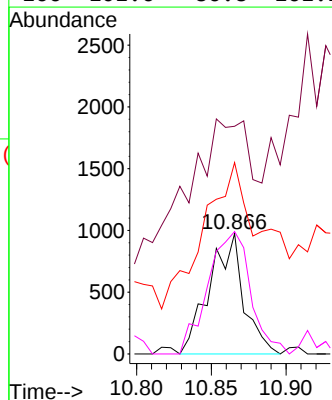
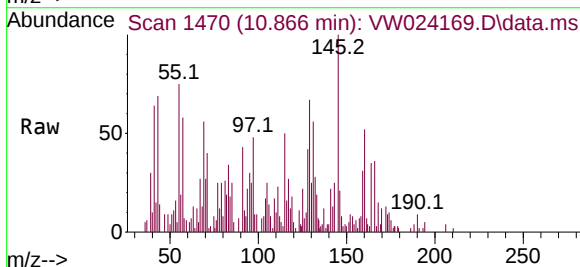
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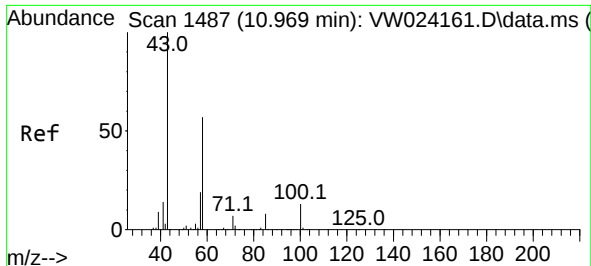
Tgt Ion: 91 Resp: 14126
Ion Ratio Lower Upper
91 100
92 51.7 41.4 77.0



#46
Tetrachloroethene
Concen: 0.519 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

Tgt Ion: 164 Resp: 1551
Ion Ratio Lower Upper
164 100
129 189.0 63.1 117.3#
131 158.9 63.9 118.7#
166 101.6 86.8 161.2

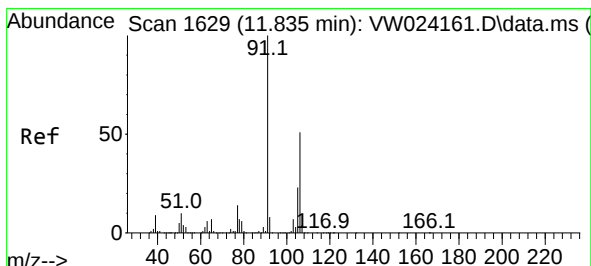
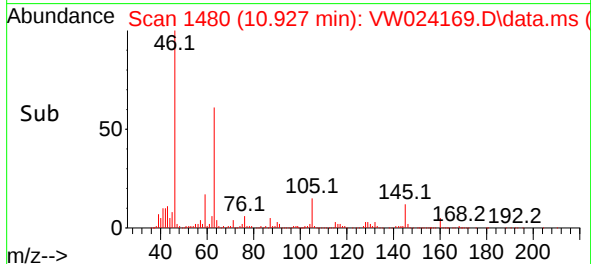
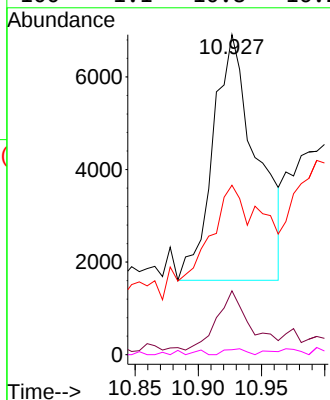
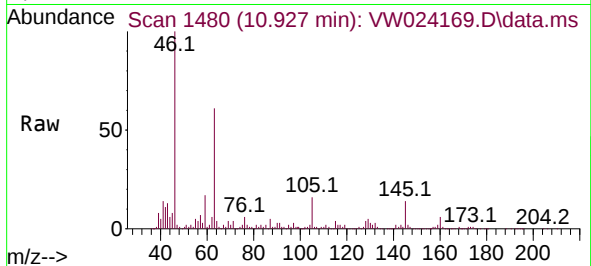




#48
2-Hexanone
Concen: 8.140 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

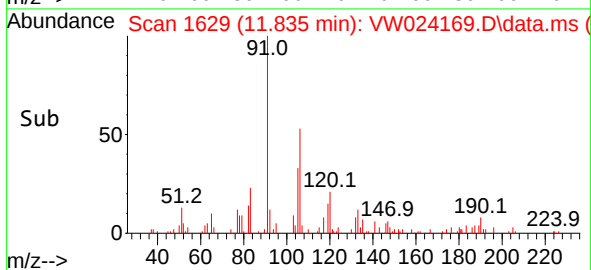
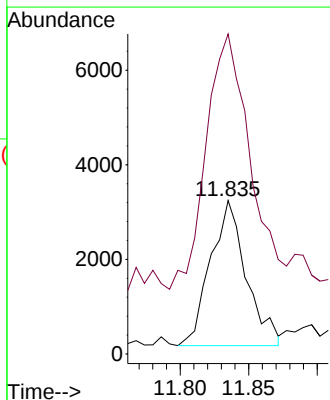
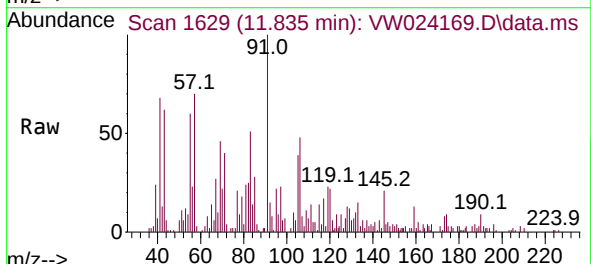
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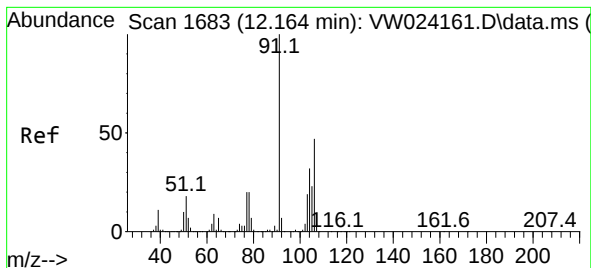
Tgt Ion: 43 Resp: 12658
Ion Ratio Lower Upper
43 100
58 15.5 43.4 65.0#
57 28.9 15.0 22.4#
100 1.1 10.8 16.2#



#53
m,p-Xylene
Concen: 0.882 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

Tgt Ion: 106 Resp: 5583
Ion Ratio Lower Upper
106 100
91 208.5 144.1 267.7





#54

o-Xylene

Concen: 0.588 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024169.D

Acq: 04 Aug 2022 18:42

Instrument :

MSVOA_W

ClientSampleId :

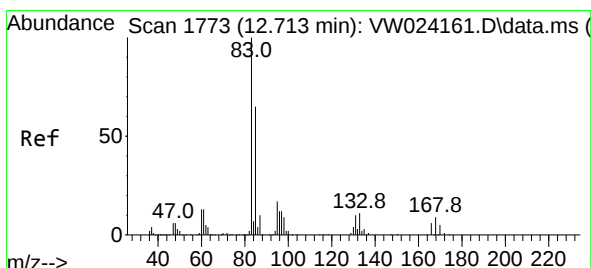
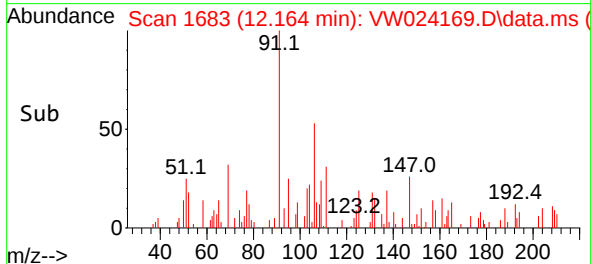
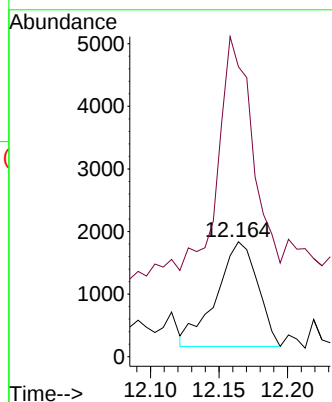
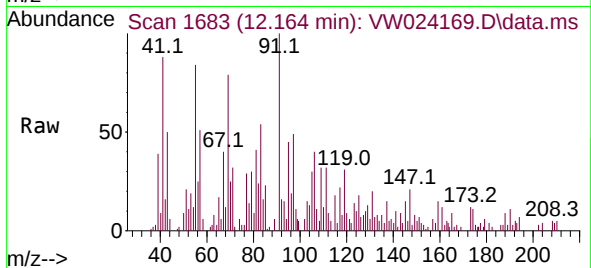
COZE4

Tgt Ion:106 Resp: 3517

Ion Ratio Lower Upper

106 100

91 252.2 150.9 280.3



#57

1,1,2,2-Tetrachloroethane

Concen: 1.548 ug/L

RT: 12.701 min Scan# 1771

Delta R.T. -0.012 min

Lab File: VW024169.D

Acq: 04 Aug 2022 18:42

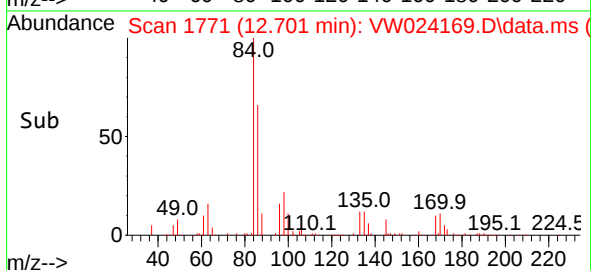
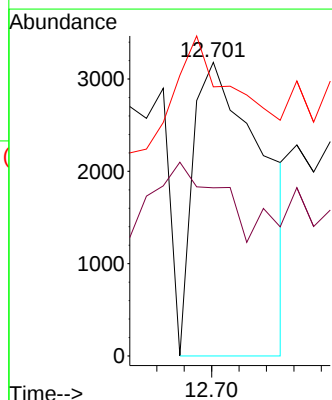
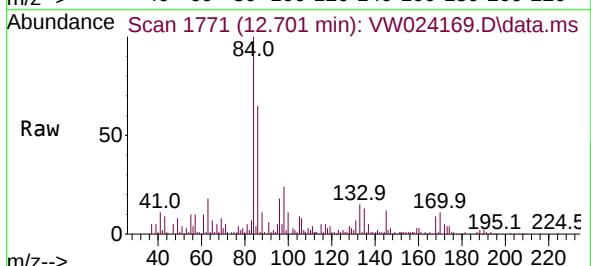
Tgt Ion: 83 Resp: 5630

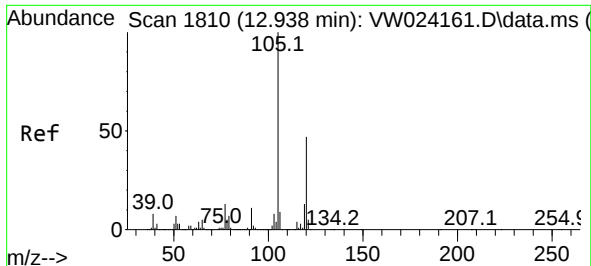
Ion Ratio Lower Upper

83 100

85 57.3 44.1 81.9

131 91.7 8.3 12.5#

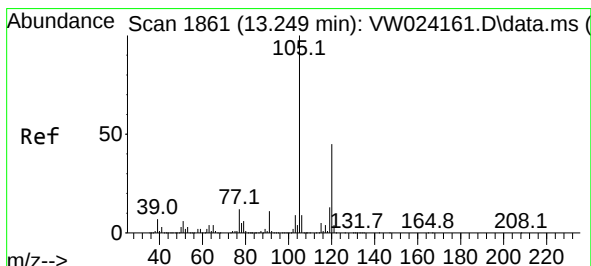
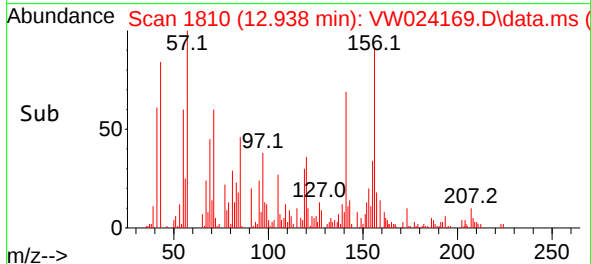
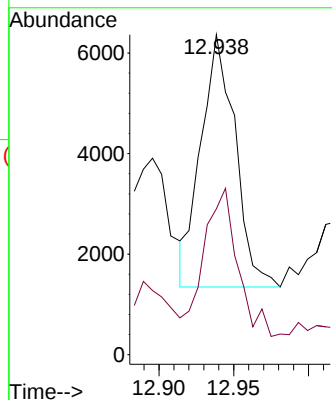
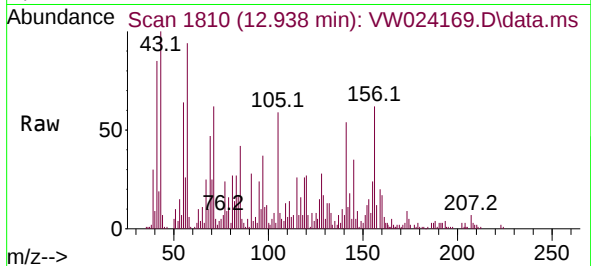




#62
1,3,5-Trimethylbenzene
Concen: 1.054 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

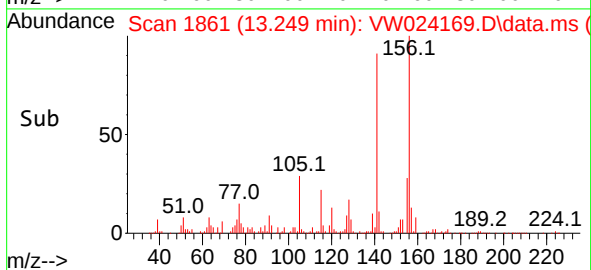
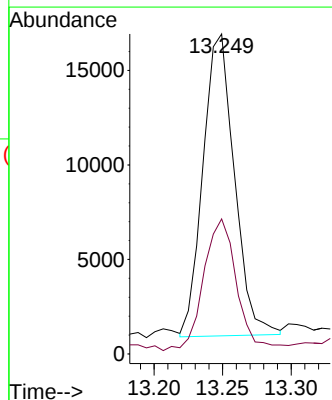
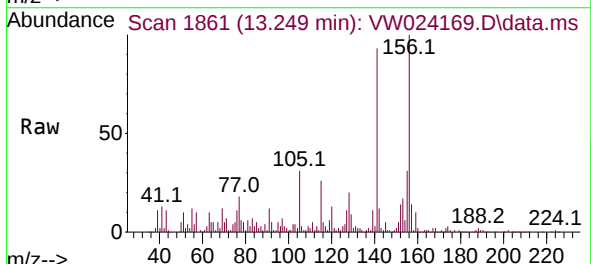
Instrument :
MSVOA_W
ClientSampleId :
C0ZE4

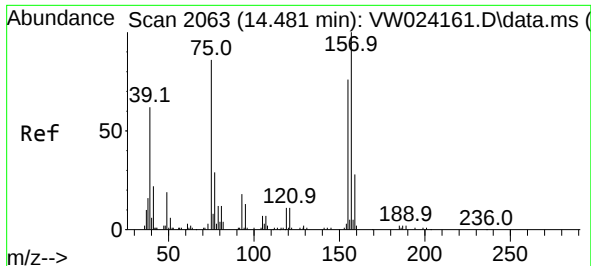
Tgt Ion:105 Resp: 7987
Ion Ratio Lower Upper
105 100
120 57.4 39.7 59.5



#63
1,2,4-Trimethylbenzene
Concen: 3.419 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW024169.D
Acq: 04 Aug 2022 18:42

Tgt Ion:105 Resp: 25525
Ion Ratio Lower Upper
105 100
120 46.0 36.4 54.6





#68

1,2-Dibromo-3-chloropropane

Concen: 14.142 ug/L

RT: 14.530 min Scan# 2063

Delta R.T. 0.049 min

Lab File: VW024169.D

Acq: 04 Aug 2022 18:42

Instrument :

MSVOA_W

ClientSampleId :

COZE4

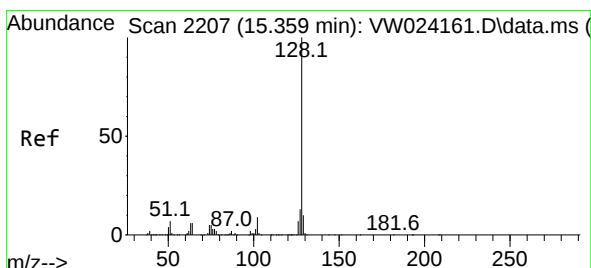
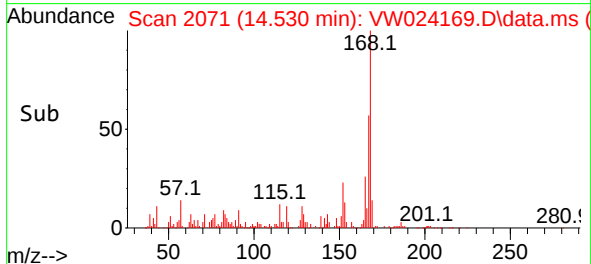
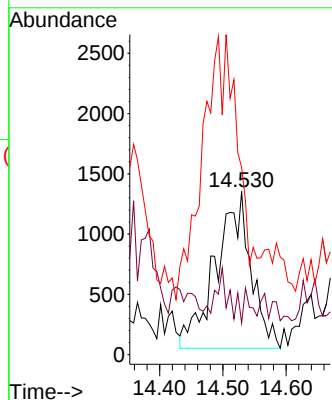
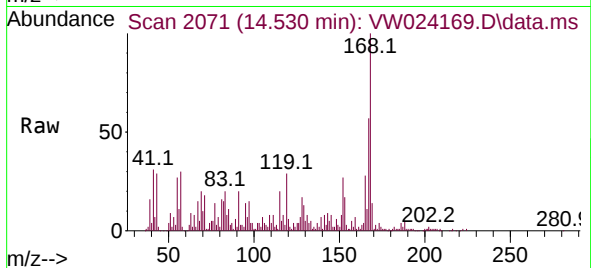
Tgt Ion: 75 Resp: 4983

Ion Ratio Lower Upper

75 100

155 19.4 68.8 103.2#

157 114.6 91.5 137.3



#71

Naphthalene

Concen: 17.297 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VW024169.D

Acq: 04 Aug 2022 18:42

Tgt Ion: 128 Resp: 79477

Ion Ratio Lower Upper

128 100

127 11.9 10.7 16.1

129 12.9 8.8 13.2

