

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042722\
 Data File : VW022641.D
 Acq On : 27 Apr 2022 14:43
 Operator : SY/VA
 Sample : N2562-11
 Misc : 6.04g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW472

Quant Time: Apr 28 01:12:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 28 01:10:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	421198	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	276444	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	57261	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	102947	11.056	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	44.240%
7) Chloroethane-d5	2.898	69	82802	14.189	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.760%
11) 1,1-Dichloroethene-d2	4.025	63	117387	9.720	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	38.880%#
21) 2-Butanone-d5	7.080	46	65947	40.567	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.140%
24) Chloroform-d	7.653	84	231416	17.578	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.320%
26) 1,2-Dichloroethane-d4	8.311	65	123509	16.419	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	65.680%#
32) Benzene-d6	8.275	84	397976	23.563	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.240%
36) 1,2-Dichloropropane-d6	9.275	67	125461	25.669	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.680%
41) Toluene-d8	10.323	98	303828	18.368	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.480%
43) trans-1,3-Dichloroprop...	10.579	79	35715	15.483	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.920%
47) 2-Hexanone-d5	10.927	63	48148	52.947	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.900%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	100139	24.096	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	13.853	152	44654	22.017	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.080%
Target Compounds						Qvalue
13) Acetone	4.141	43	5262	4.754	ug/L	64
14) Carbon disulfide	4.391	76	81861	4.388	ug/L #	94
16) Methylene chloride	4.928	84	37087	5.852	ug/L	88
29) Cyclohexane	7.958	56	54450	6.882	ug/L	92
33) Benzene	8.330	78	254676	13.569	ug/L	100
35) Methylcyclohexane	9.335	83	90696	10.059	ug/L	98
42) Toluene	10.390	91	922023	42.871	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	4982	1.452	ug/L #	27
48) 2-Hexanone	10.933	43	9649	4.984	ug/L #	51
52) Ethylbenzene	11.731	91	279442	11.592	ug/L	94
53) m,p-Xylene	11.835	106	124009	13.529	ug/L	92
54) o-Xylene	12.164	106	43769	4.997	ug/L	99
60) Isopropylbenzene	12.463	105	27457	2.887	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	20372	3.894	ug/L	92
63) 1,2,4-Trimethylbenzene	13.249	105	84243	10.590	ug/L	96
71) Naphthalene	15.365	128	6335	1.420	ug/L #	89

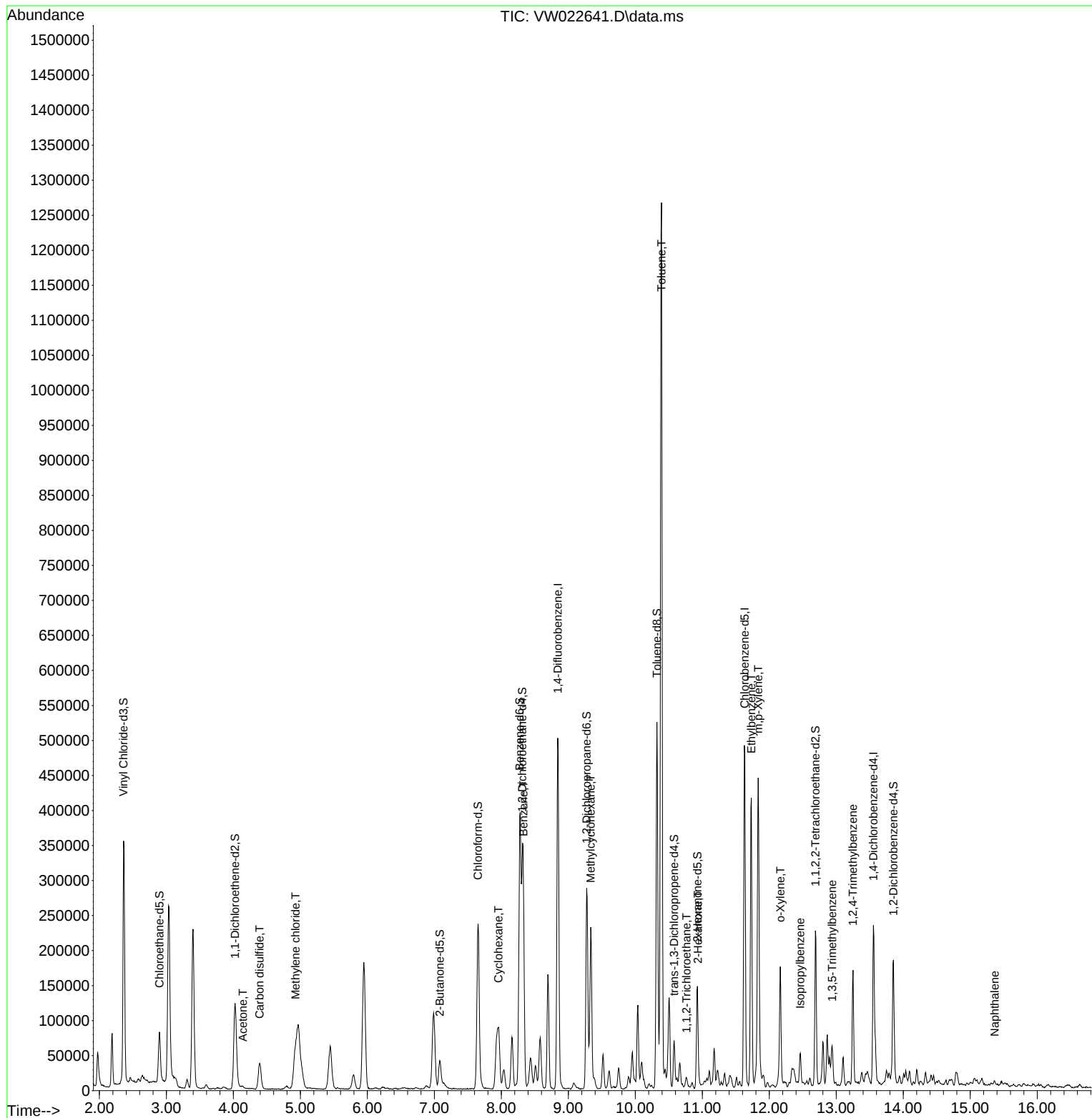
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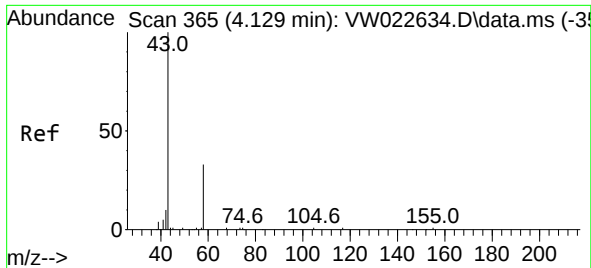
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0
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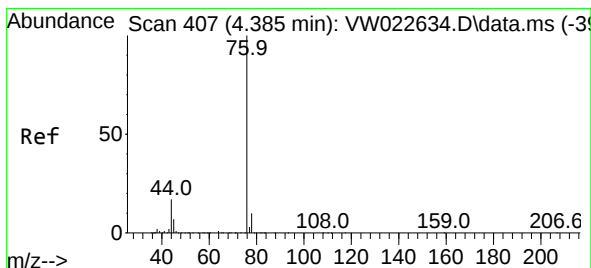
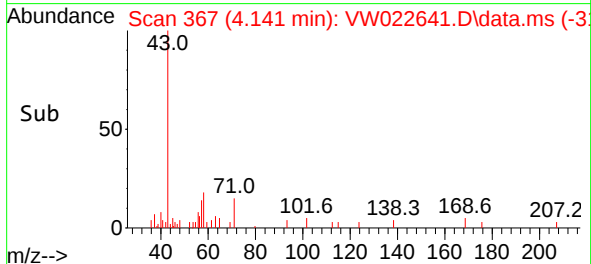
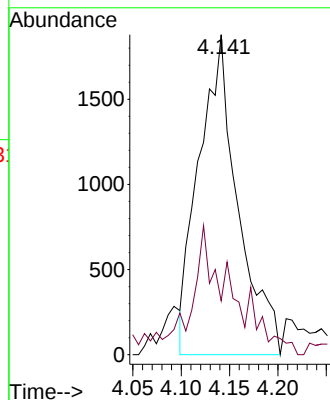
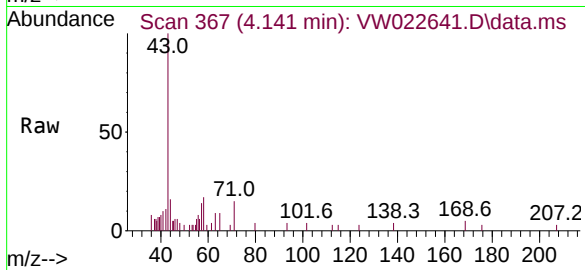




#13
Acetone
Concen: 4.754 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.012 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

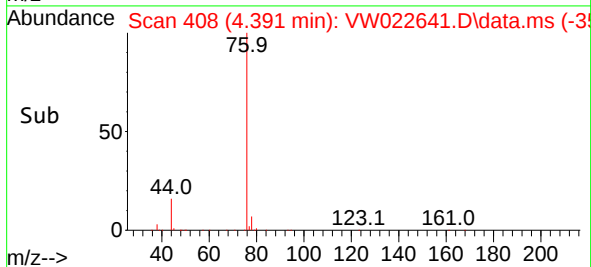
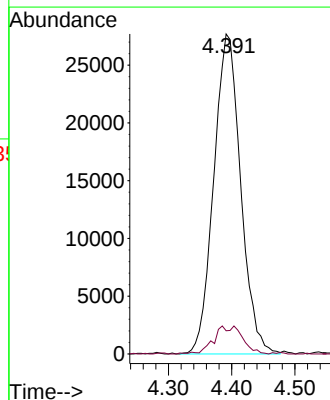
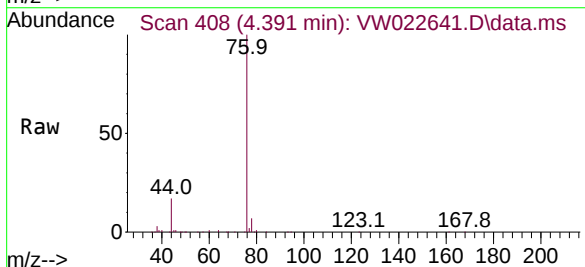
Instrument :
MSVOA_W
ClientSampleId :
EW472

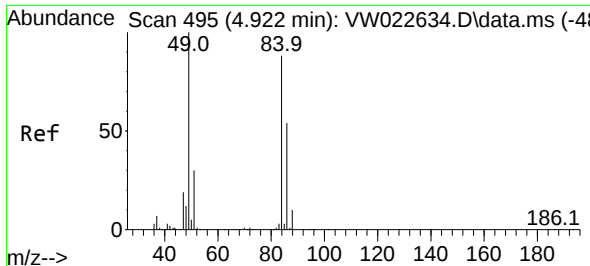
Tgt Ion: 43 Resp: 5262
Ion Ratio Lower Upper
43 100
58 9.4 0.0 57.0



#14
Carbon disulfide
Concen: 4.388 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

Tgt Ion: 76 Resp: 81861
Ion Ratio Lower Upper
76 100
78 7.2 7.6 11.4#

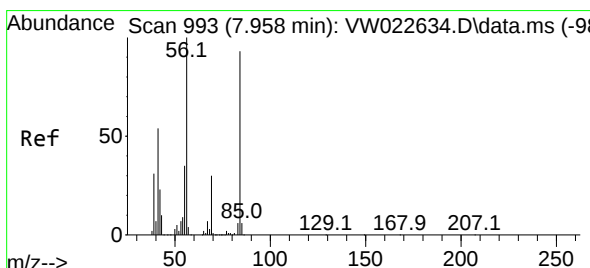
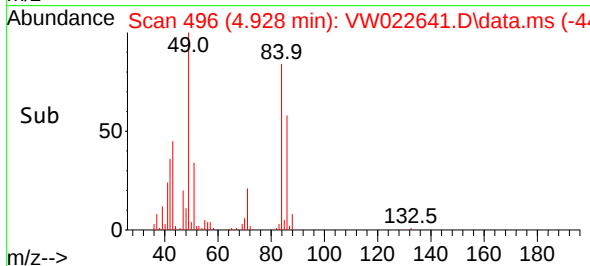
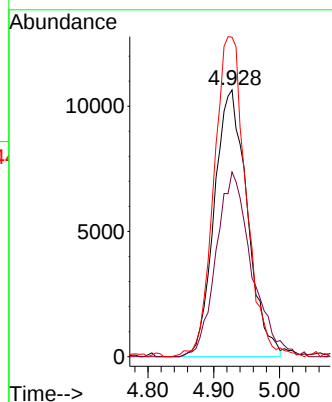
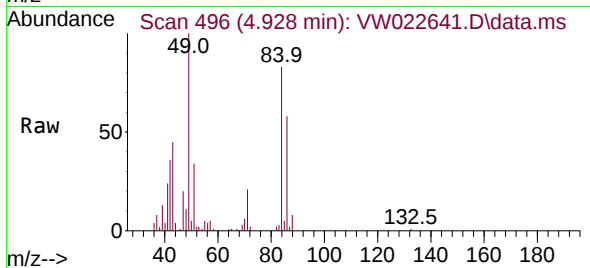




#16
Methylene chloride
Concen: 5.852 ug/L
RT: 4.928 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

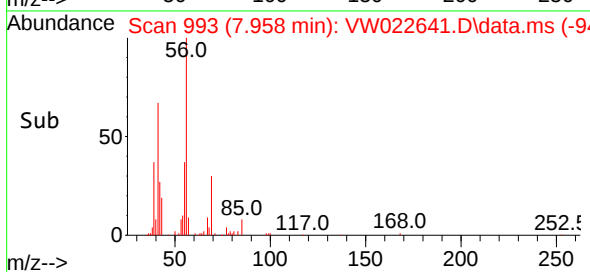
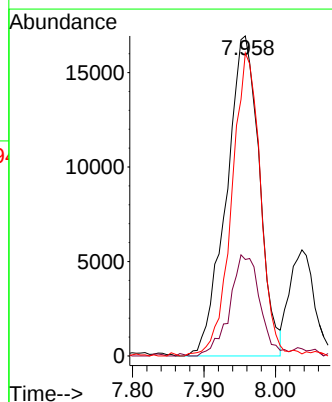
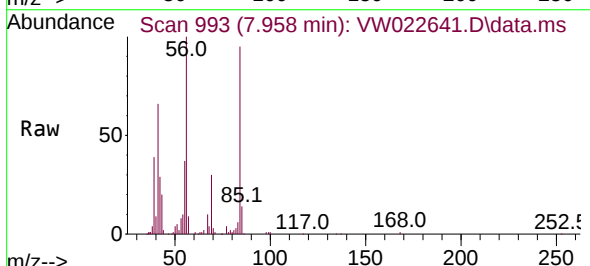
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ClientSampleId :
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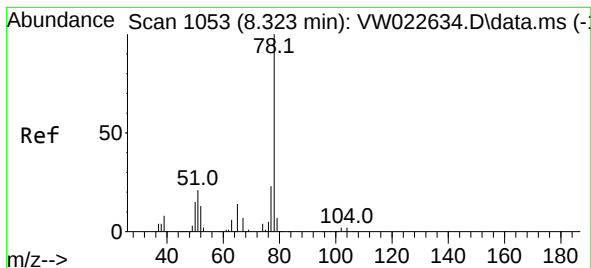
Tgt Ion: 84 Resp: 37087
Ion Ratio Lower Upper
84 100
86 69.3 42.8 79.4
49 119.8 94.2 175.0



#29
Cyclohexane
Concen: 6.882 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

Tgt Ion: 56 Resp: 54450
Ion Ratio Lower Upper
56 100
69 28.9 24.4 36.6
84 81.6 72.6 108.8





#33

Benzene

Concen: 13.569 ug/L

RT: 8.330 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VW022641.D

Acq: 27 Apr 2022 14:43

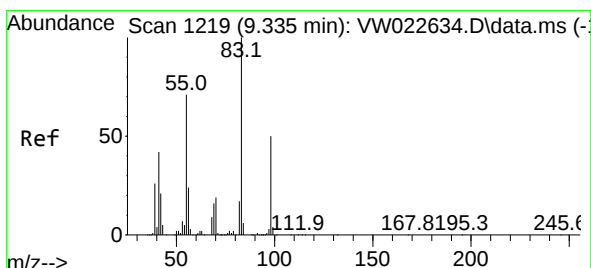
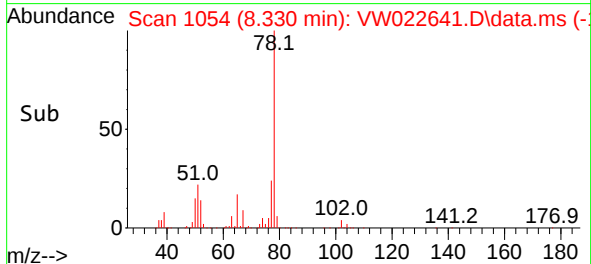
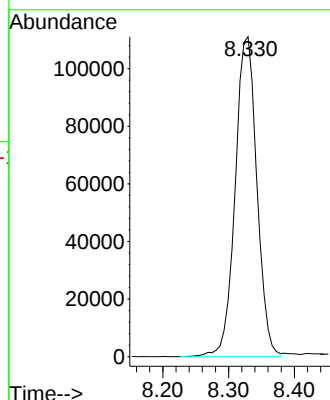
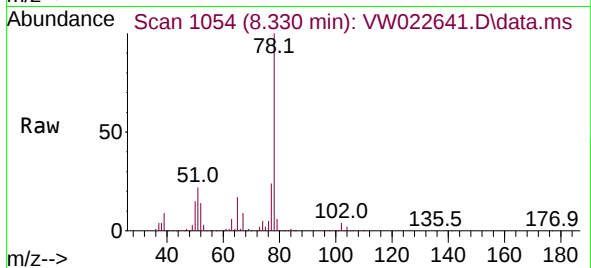
Instrument :

MSVOA_W

ClientSampleId :

EW472

Tgt Ion: 78 Resp: 254676



#35

Methylcyclohexane

Concen: 10.059 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW022641.D

Acq: 27 Apr 2022 14:43

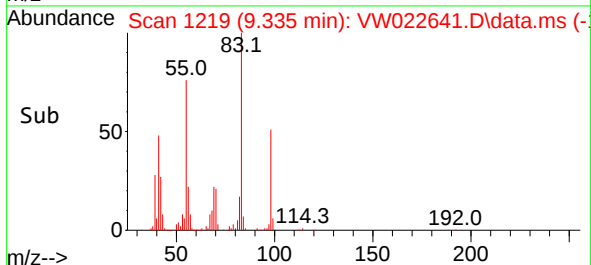
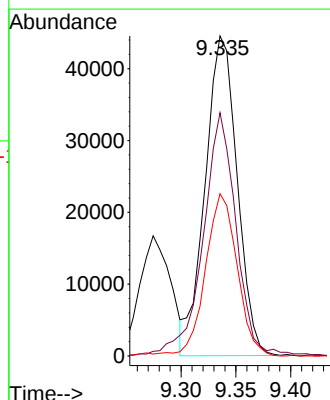
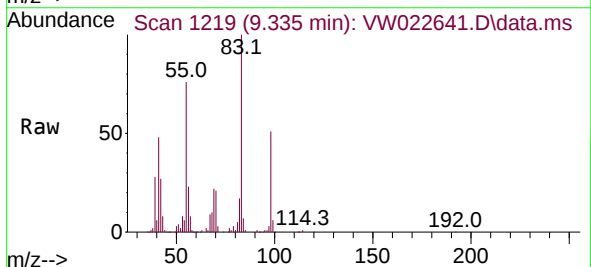
Tgt Ion: 83 Resp: 90696

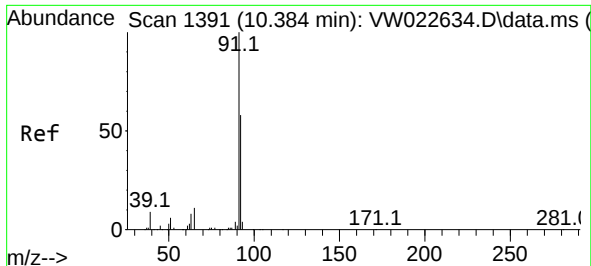
Ion Ratio Lower Upper

83 100

55 78.1 61.0 91.6

98 49.6 39.2 58.8

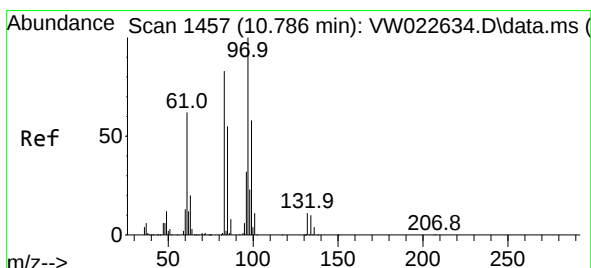
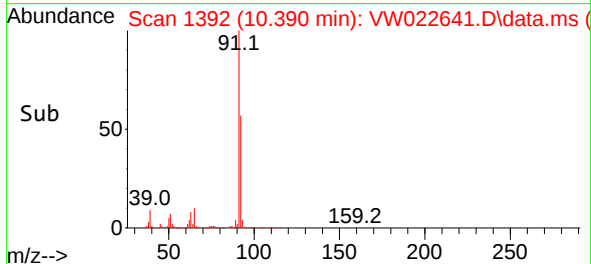
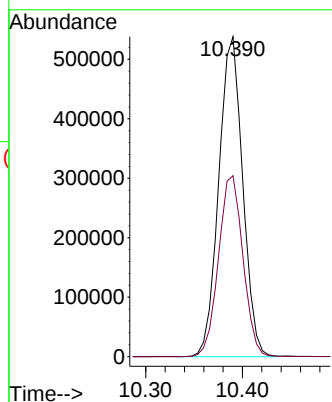
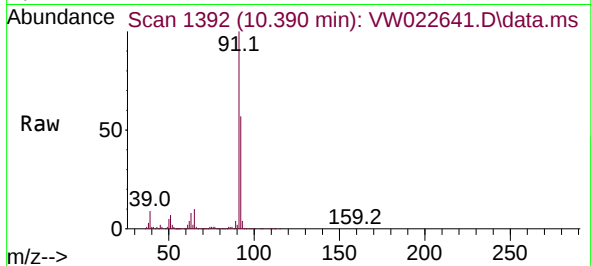




#42
Toluene
Concen: 42.871 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

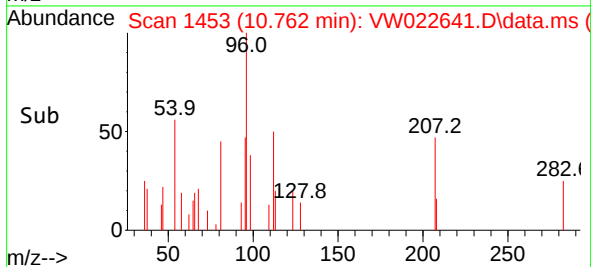
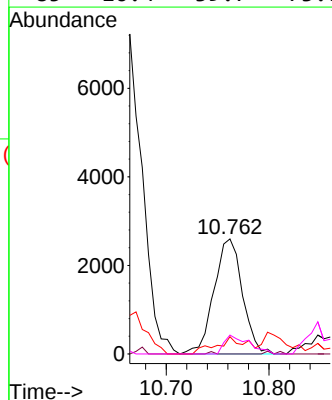
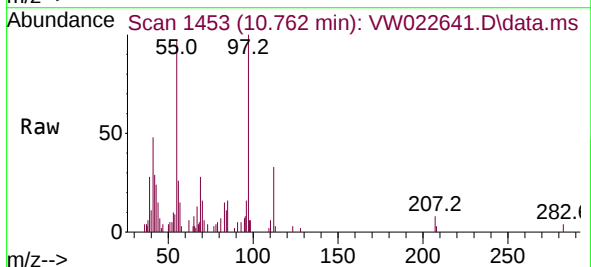
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ClientSampleId :
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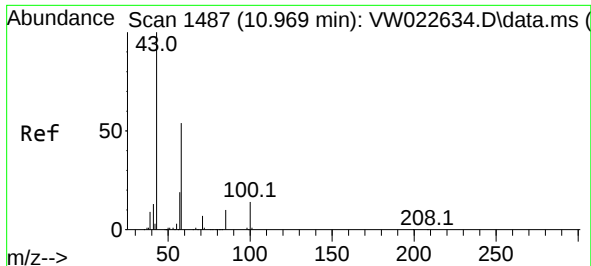
Tgt Ion: 91 Resp: 922023
Ion Ratio Lower Upper
91 100
92 56.6 38.0 70.6



#45
1,1,2-Trichloroethane
Concen: 1.452 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

Tgt Ion: 97 Resp: 4982
Ion Ratio Lower Upper
97 100
99 0.0 46.0 85.4#
83 15.0 60.6 112.6#
85 16.4 39.7 73.7#

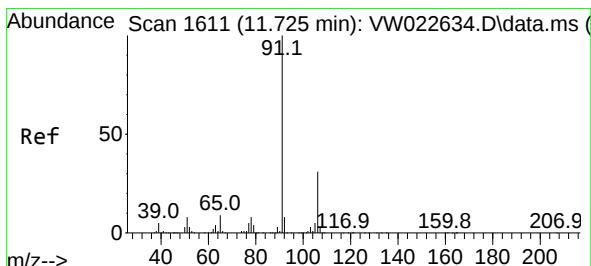
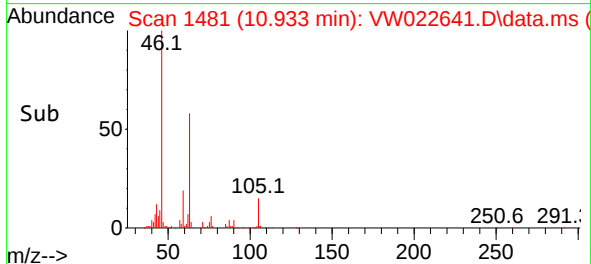
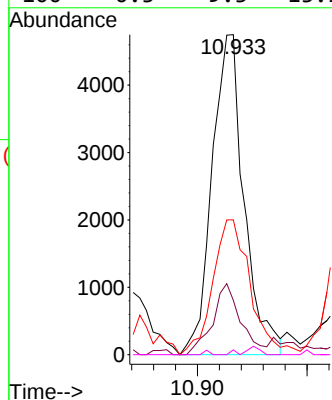
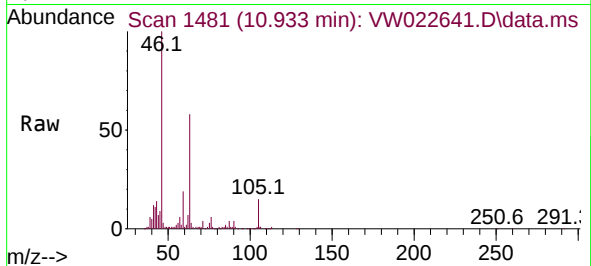




#48
2-Hexanone
Concen: 4.984 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.036 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

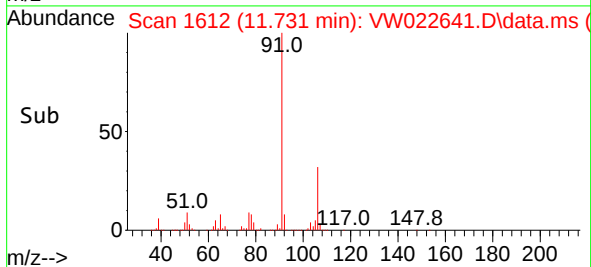
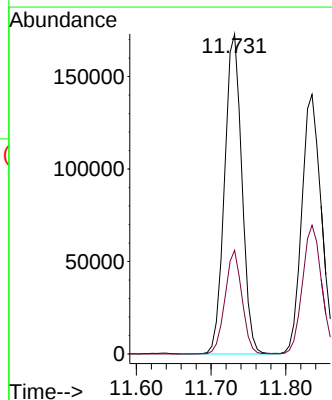
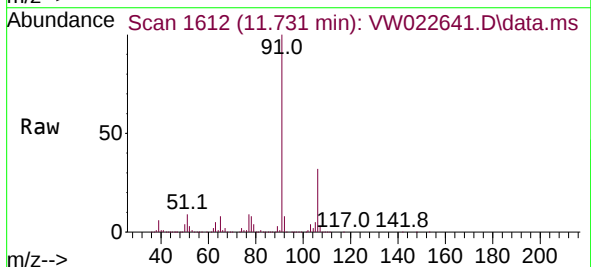
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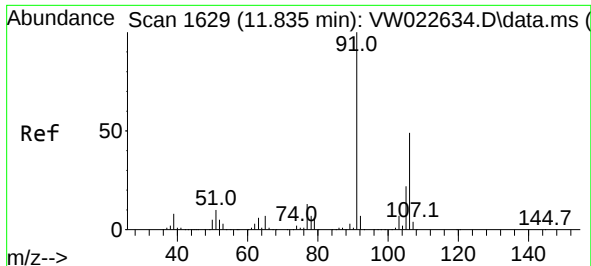
Tgt Ion: 43 Resp: 9649
Ion Ratio Lower Upper
43 100
58 19.7 41.6 62.4#
57 48.2 14.5 21.7#
100 0.3 9.3 13.9#



#52
Ethylbenzene
Concen: 11.592 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

Tgt Ion: 91 Resp: 279442
Ion Ratio Lower Upper
91 100
106 32.4 20.5 38.1

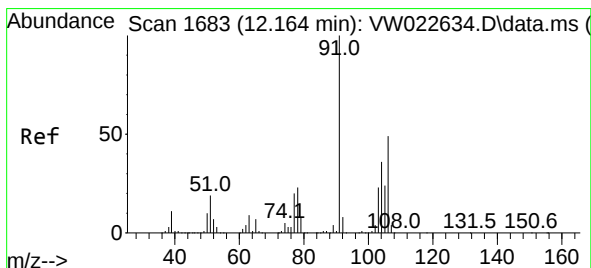
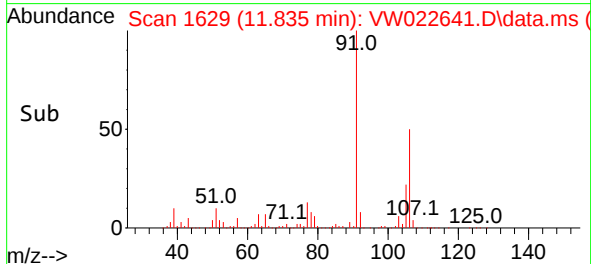
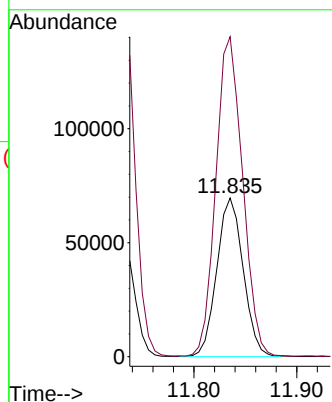
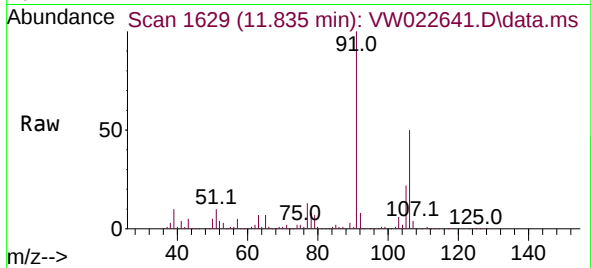




#53
m,p-Xylene
Concen: 13.529 ug/L
RT: 11.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

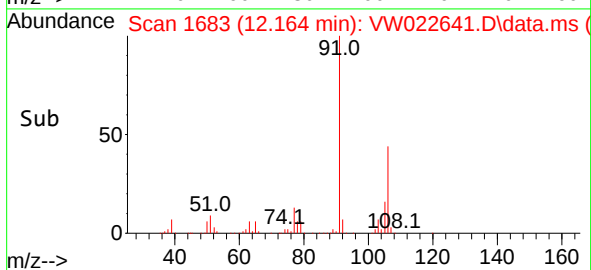
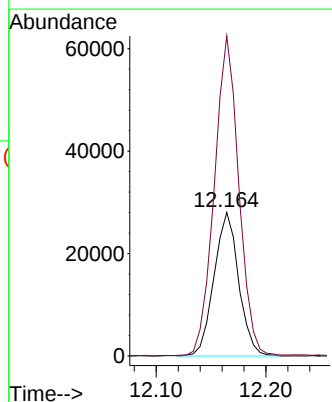
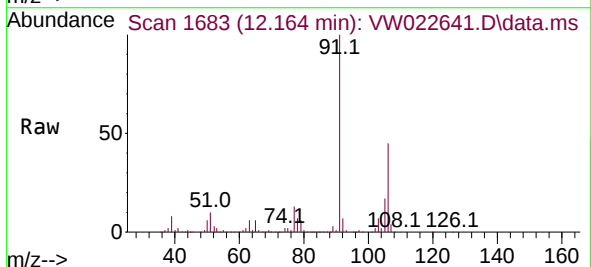
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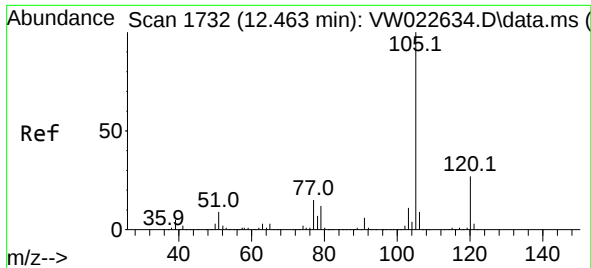
Tgt Ion:106 Resp: 124009
Ion Ratio Lower Upper
106 100
91 201.7 149.9 278.5



#54
o-Xylene
Concen: 4.997 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

Tgt Ion:106 Resp: 43769
Ion Ratio Lower Upper
106 100
91 222.9 155.3 288.3

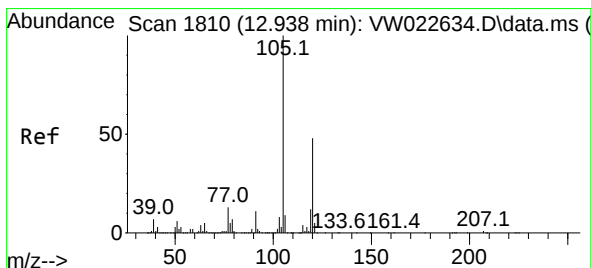
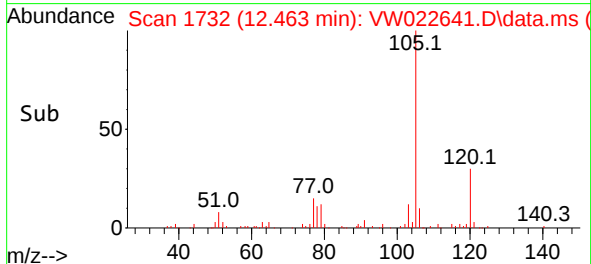
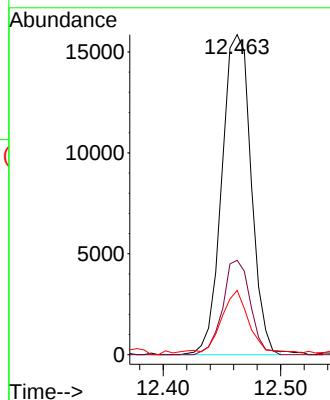
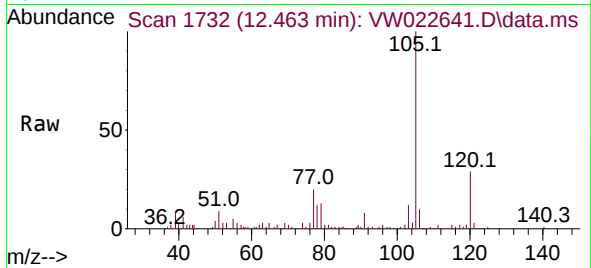




#60
Isopropylbenzene
Concen: 2.887 ug/L
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

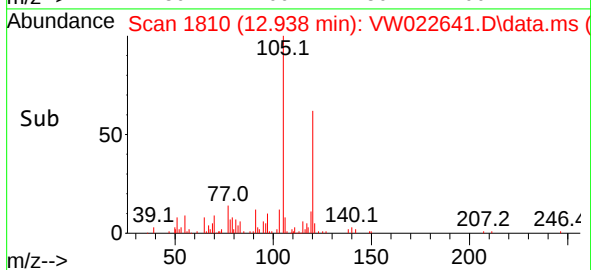
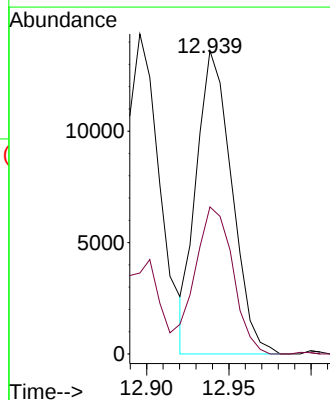
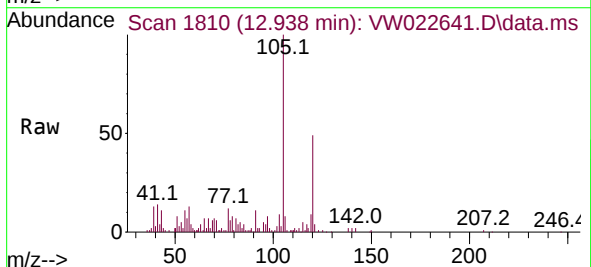
Instrument :
MSVOA_W
ClientSampleId :
EW472

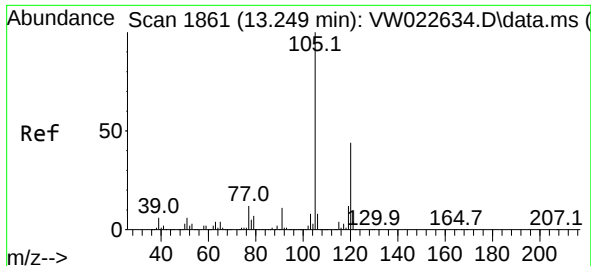
Tgt Ion:105 Resp: 27457
Ion Ratio Lower Upper
105 100
120 27.8 20.9 31.3
77 17.2 13.7 20.5



#62
1,3,5-Trimethylbenzene
Concen: 3.894 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

Tgt Ion:105 Resp: 20372
Ion Ratio Lower Upper
105 100
120 52.4 37.5 56.3

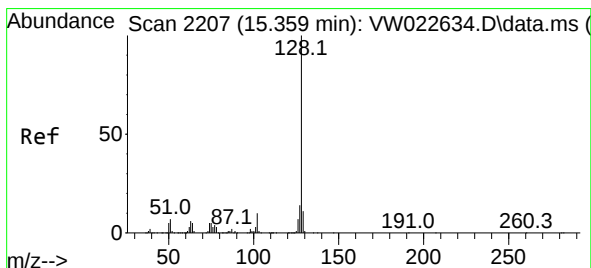
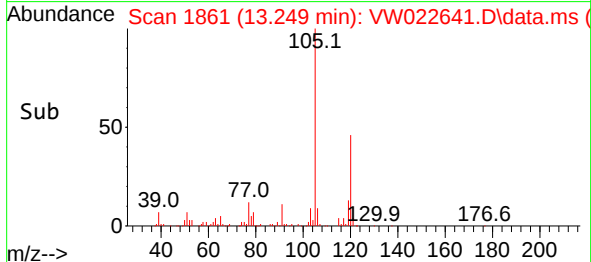
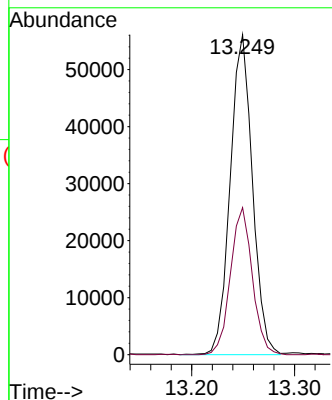
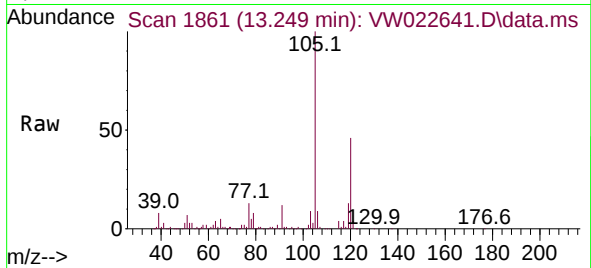




#63
1,2,4-Trimethylbenzene
Concen: 10.590 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

Instrument :
MSVOA_W
ClientSampleId :
EW472

Tgt Ion:105 Resp: 84243
Ion Ratio Lower Upper
105 100
120 45.2 34.2 51.2



#71
Naphthalene
Concen: 1.420 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.006 min
Lab File: VW022641.D
Acq: 27 Apr 2022 14:43

Tgt Ion:128 Resp: 6335
Ion Ratio Lower Upper
128 100
127 14.8 10.6 15.8
129 3.4 8.5 12.7#

