

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101723\
 Data File : VW032453.D
 Acq On : 17 Oct 2023 18:18
 Operator : SY/MD
 Sample : 04903-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 06:06:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 18 06:02:40 2023
 Response via : Initial Calibration

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

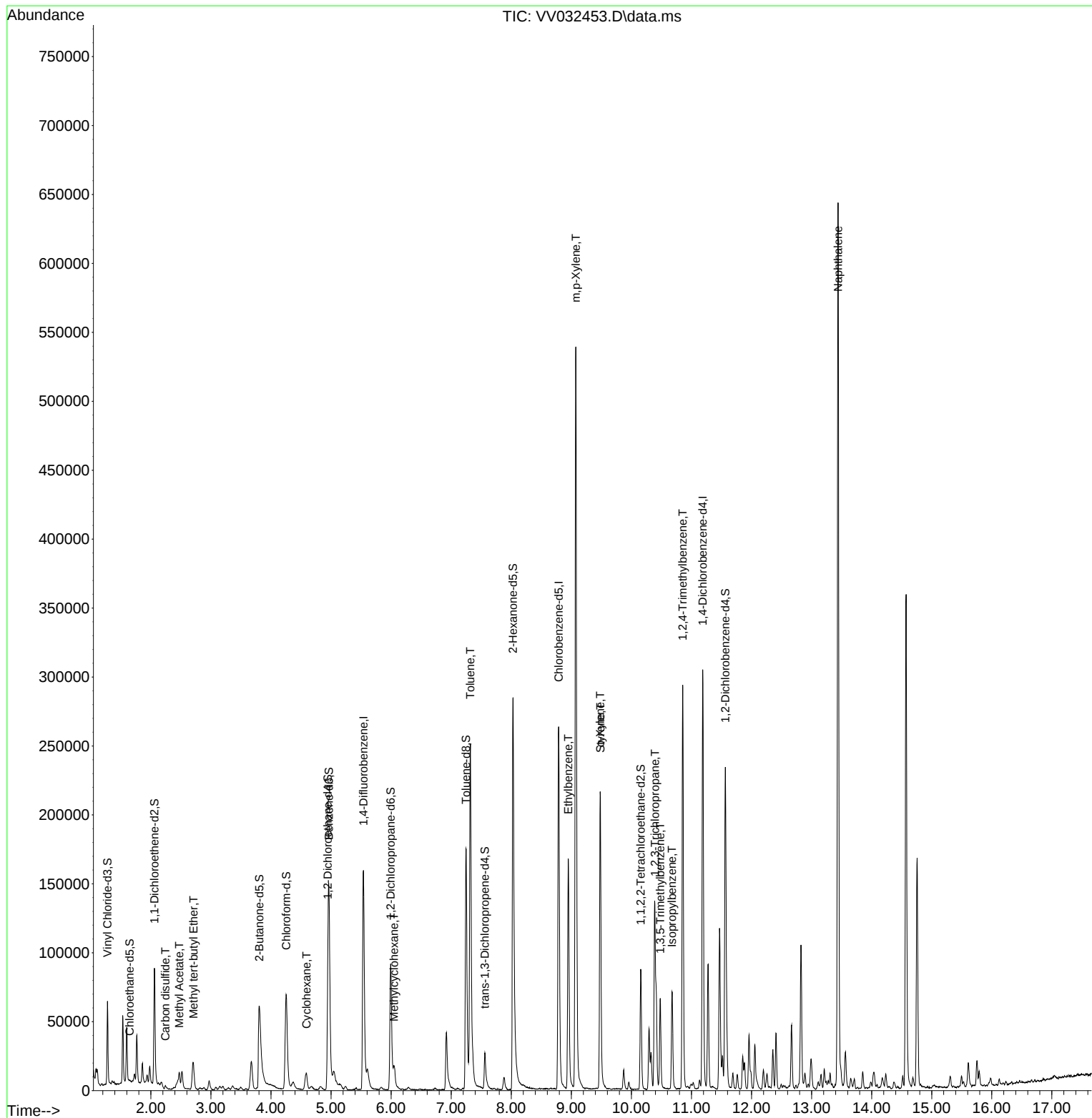
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	141336	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	153814	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	78305	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	32505	2.828	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.600%
7) Chloroethane-d5	1.648	69	937	0.100	ug/L	0.12
Spiked Amount	5.000	Range	65 - 130	Recovery	=	2.000%#
11) 1,1-Dichloroethene-d2	2.060	65	15078	3.110	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.200%
20) 2-Butanone-d5	3.805	46	121802	41.888	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.780%
24) Chloroform-d	4.252	84	76651	3.780	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
26) 1,2-Dichloroethane-d4	4.947	65	38392	3.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
32) Benzene-d6	4.963	84	135368	2.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	59.800%#
36) 1,2-Dichloropropane-d6	5.992	67	44952	2.998	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	60.000%
41) Toluene-d8	7.246	98	127913	3.091	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.800%#
43) trans-1,3-Dichloroprop...	7.561	79	18439	3.470	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.400%
46) 2-Hexanone-d5	8.027	63	112507	45.000	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.000%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	42776	4.078	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	55186	3.798	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.000%#
Target Compounds						Qvalue
14) Carbon disulfide	2.243	76	3303	0.091	ug/L #	91
15) Methyl Acetate	2.471	43	9617	1.906	ug/L #	53
17) Methyl tert-butyl Ether	2.709	73	14048	0.498	ug/L #	42
30) Cyclohexane	4.590	56	6513	0.283	ug/L	99
35) Methylcyclohexane	6.050	83	4160	0.182	ug/L	91
42) Toluene	7.320	91	208255	3.607	ug/L	98
52) Ethylbenzene	8.950	91	125920	1.959	ug/L	100
53) m,p-Xylene	9.075	106	157818	6.619	ug/L	99
54) o-Xylene	9.480	106	58288	2.537	ug/L	99
55) Styrene	9.484	104	4334	0.112	ug/L #	1
60) Isopropylbenzene	10.677	105	44263	0.727	ug/L	94
61) 1,2,3-Trichloropropane	10.394	75	1200	0.144	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.480	105	36582	0.738	ug/L	96
63) 1,2,4-Trimethylbenzene	10.853	105	159101	3.222	ug/L	99
71) Naphthalene	13.442	128	488212	15.218	ug/L	99

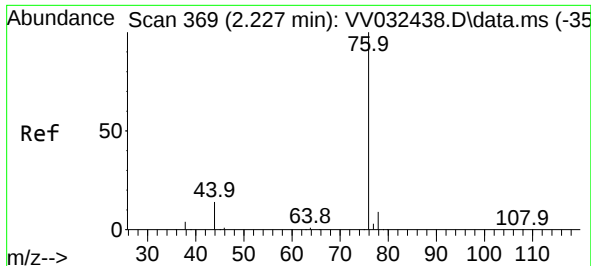
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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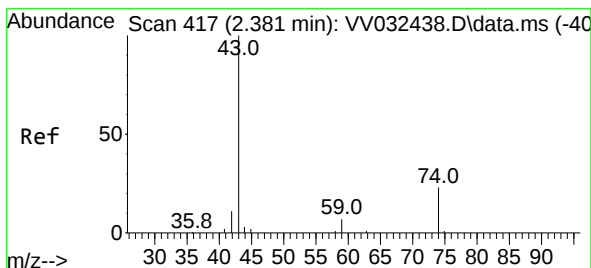
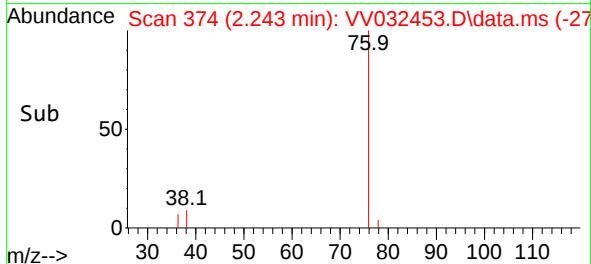
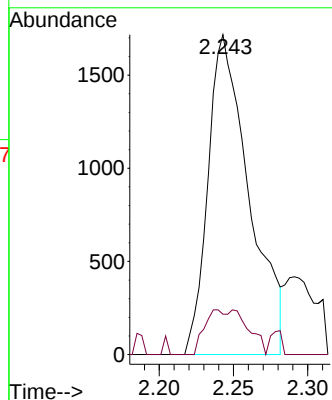
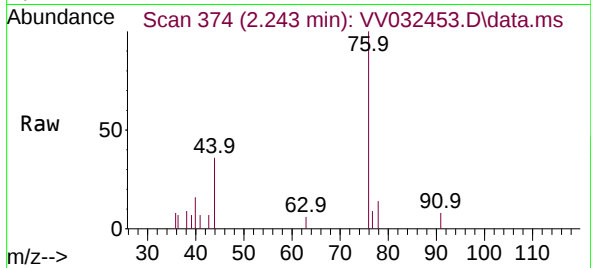




#14
Carbon disulfide
Concen: 0.091 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.016 min
Lab File: VV032453.D
Acq: 17 Oct 2023 18:18

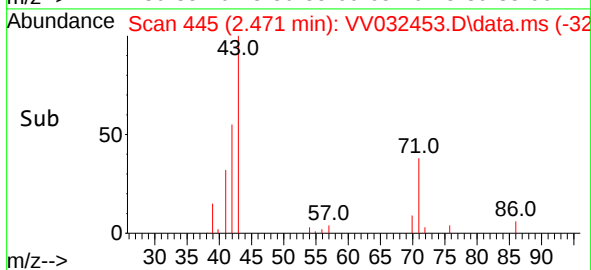
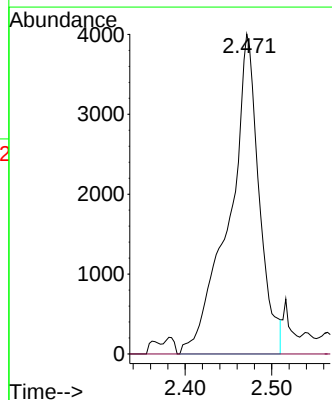
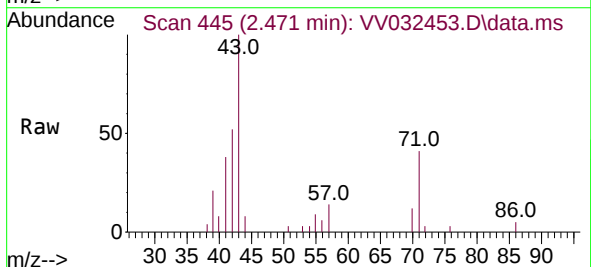
Instrument :
MSVOA_V
ClientSampleId :

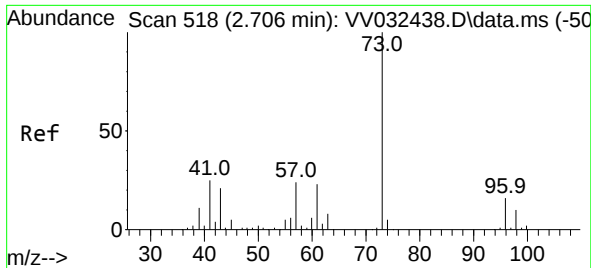
Tgt Ion: 76 Resp: 3303
Ion Ratio Lower Upper
76 100
78 12.6 7.4 11.2#



#15
Methyl Acetate
Concen: 1.906 ug/L
RT: 2.471 min Scan# 445
Delta R.T. 0.090 min
Lab File: VV032453.D
Acq: 17 Oct 2023 18:18

Tgt Ion: 43 Resp: 9617
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#





#17

Methyl tert-butyl Ether

Concen: 0.498 ug/L

RT: 2.709 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV032453.D

Acq: 17 Oct 2023 18:18

Instrument :

MSVOA_V

ClientSampleId :

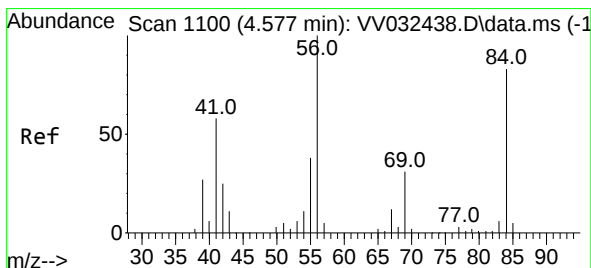
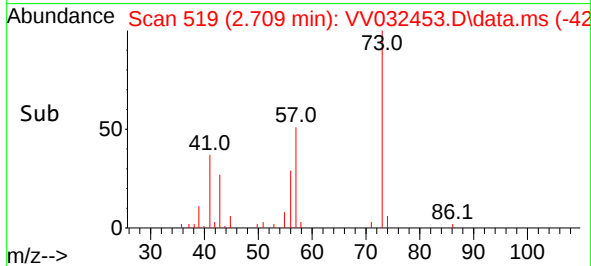
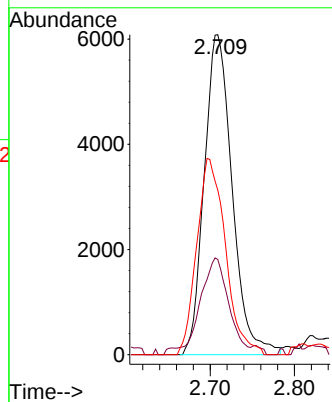
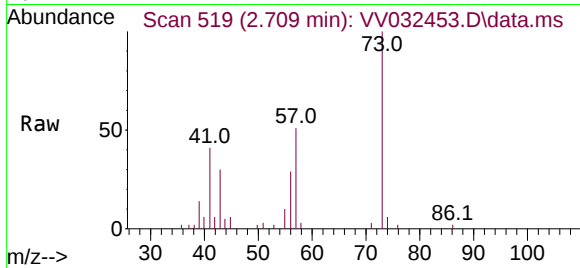
Tgt Ion: 73 Resp: 14048

Ion Ratio Lower Upper

73 100

43 31.2 15.1 22.7#

57 62.8 18.3 27.5#



#30

Cyclohexane

Concen: 0.283 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.013 min

Lab File: VV032453.D

Acq: 17 Oct 2023 18:18

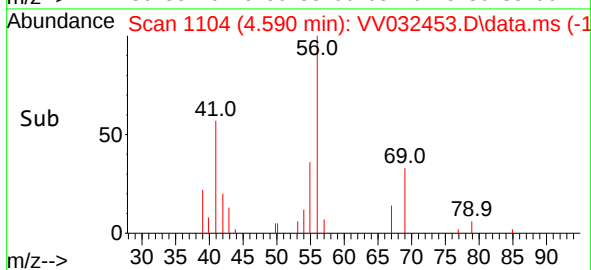
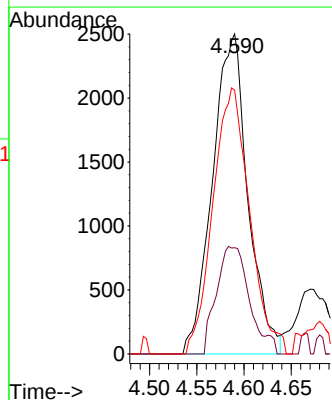
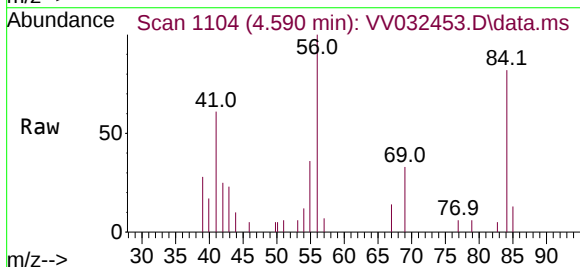
Tgt Ion: 56 Resp: 6513

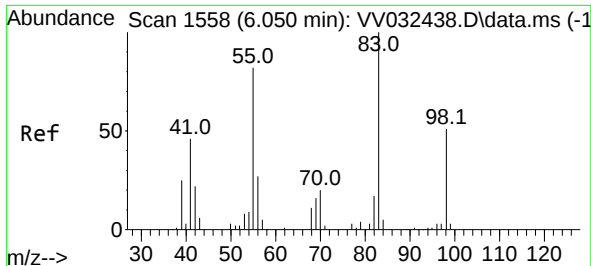
Ion Ratio Lower Upper

56 100

69 31.3 24.2 36.2

84 86.0 68.1 102.1

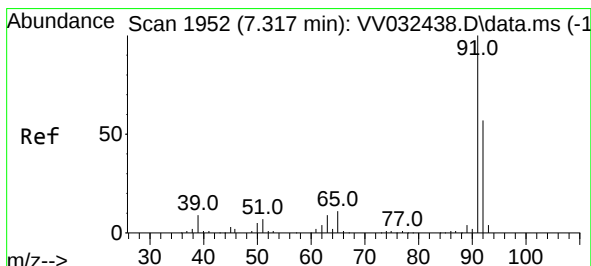
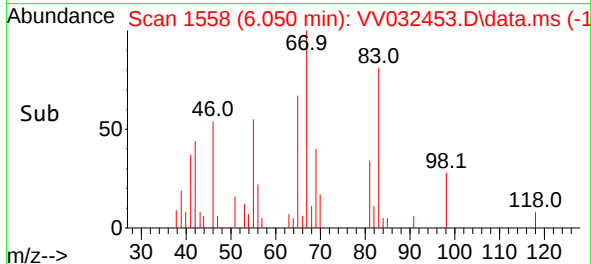
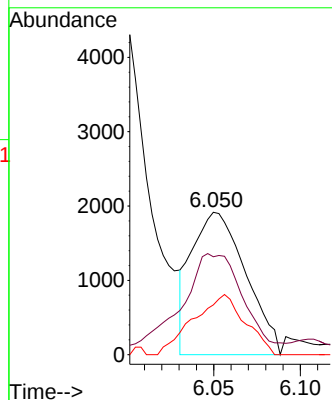
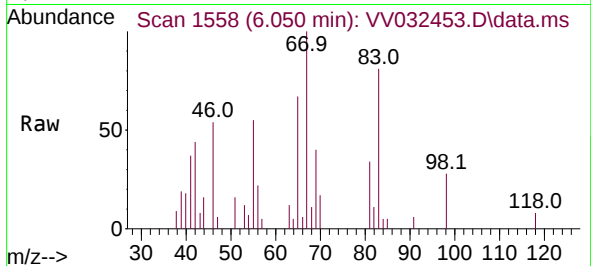




#35
Methylcyclohexane
Concen: 0.182 ug/L
RT: 6.050 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032453.D
Acq: 17 Oct 2023 18:18

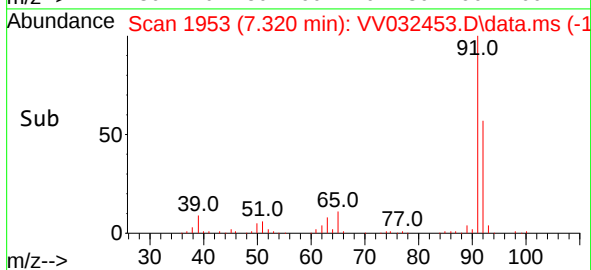
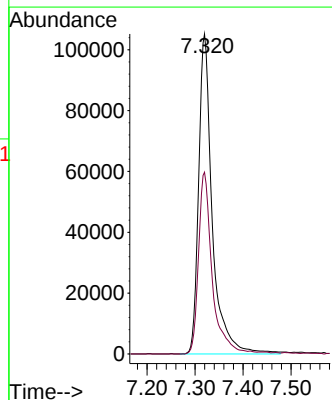
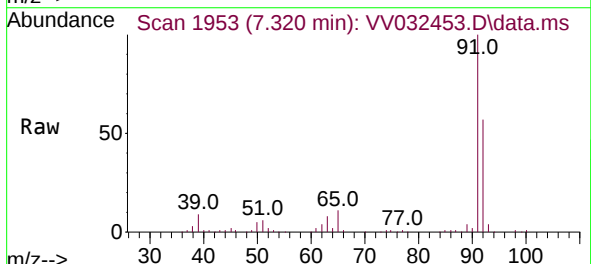
Instrument :
MSVOA_V
ClientSampleId :

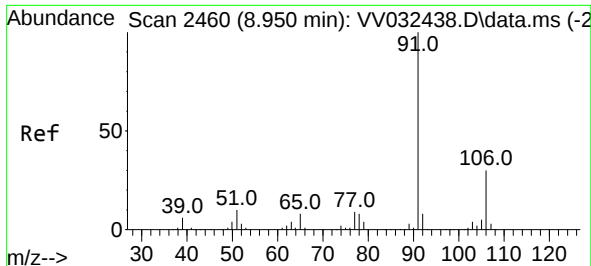
Tgt Ion: 83 Resp: 4160
Ion Ratio Lower Upper
83 100
55 85.9 64.2 96.2
98 40.4 39.6 59.4



#42
Toluene
Concen: 3.607 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.003 min
Lab File: VV032453.D
Acq: 17 Oct 2023 18:18

Tgt Ion: 91 Resp: 208255
Ion Ratio Lower Upper
91 100
92 56.8 40.8 75.8





#52

Ethylbenzene

Concen: 1.959 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV032453.D

Acq: 17 Oct 2023 18:18

Instrument :

MSVOA_V

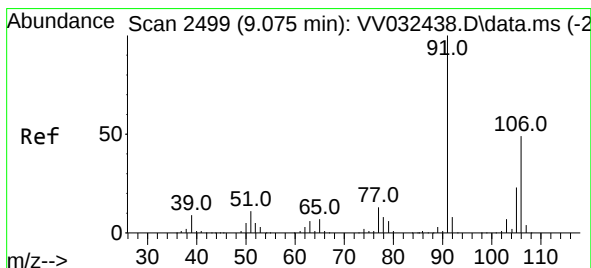
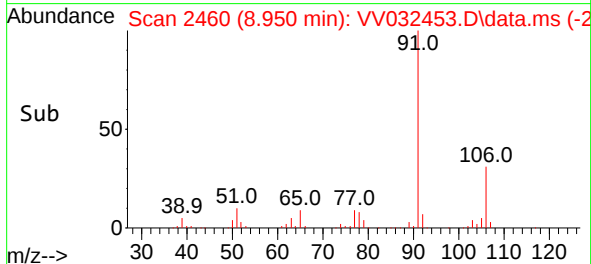
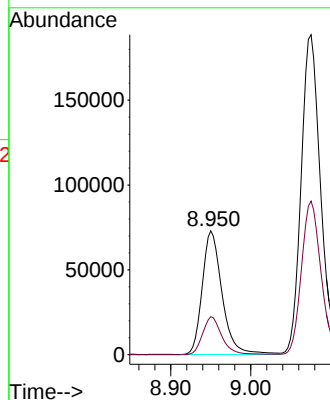
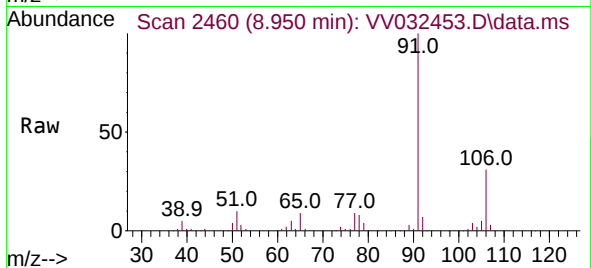
ClientSampleId :

Tgt Ion: 91 Resp: 125920

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.5



#53

m,p-Xylene

Concen: 6.619 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032453.D

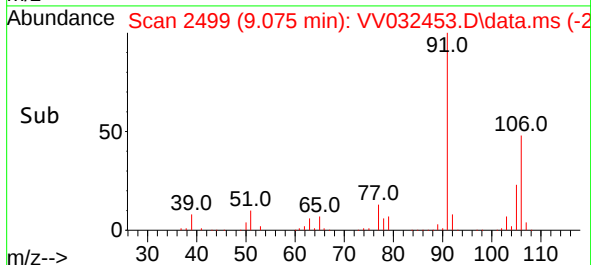
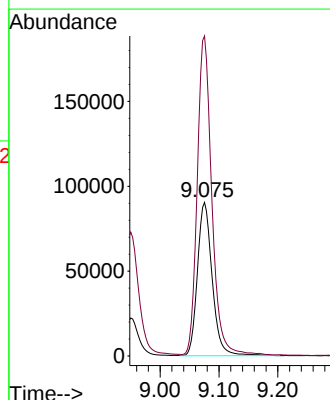
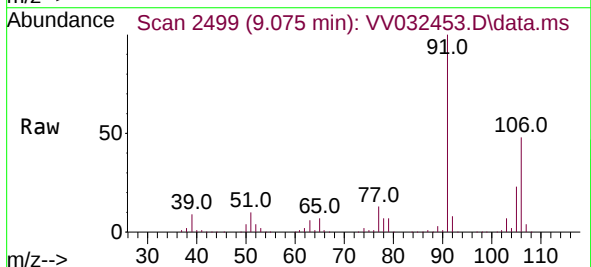
Acq: 17 Oct 2023 18:18

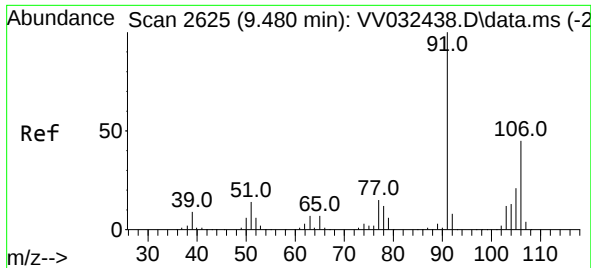
Tgt Ion:106 Resp: 157818

Ion Ratio Lower Upper

106 100

91 208.3 144.5 268.3

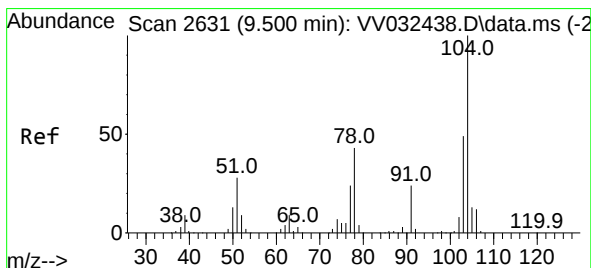
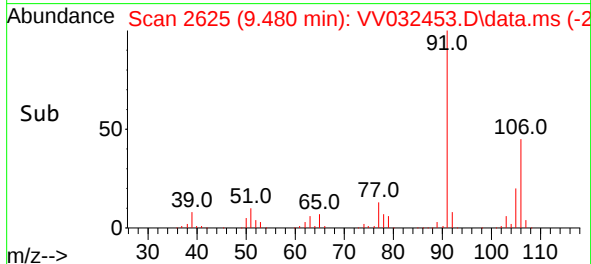
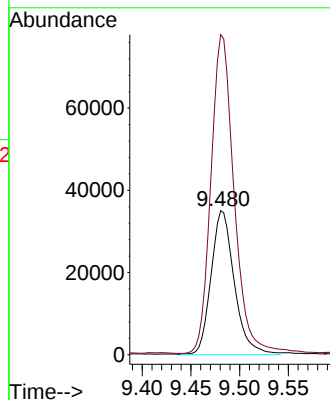
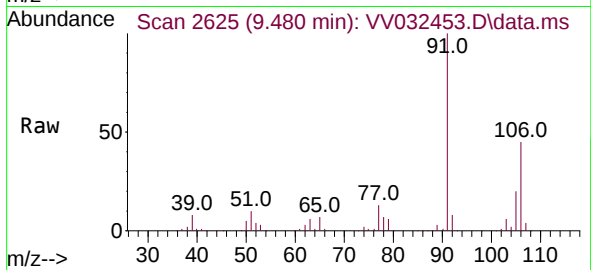




#54
o-Xylene
Concen: 2.537 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032453.D
Acq: 17 Oct 2023 18:18

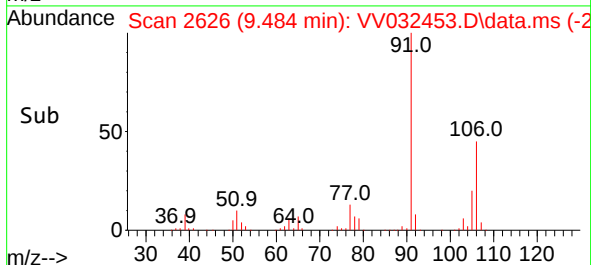
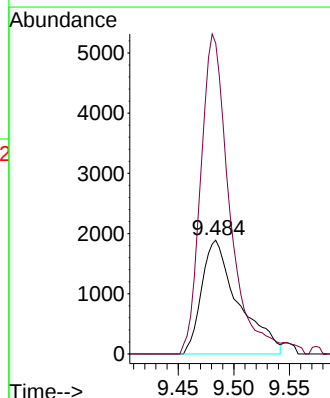
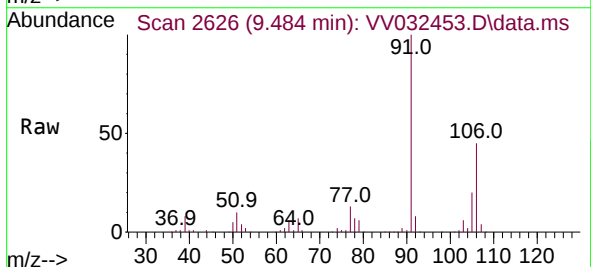
Instrument :
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ClientSampleId :

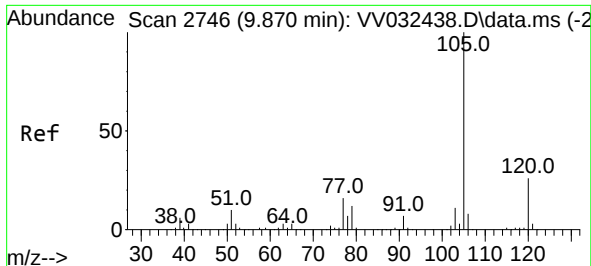
Tgt Ion:106 Resp: 58288
Ion Ratio Lower Upper
106 100
91 222.3 154.8 287.4



#55
Styrene
Concen: 0.112 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.016 min
Lab File: VV032453.D
Acq: 17 Oct 2023 18:18

Tgt Ion:104 Resp: 4334
Ion Ratio Lower Upper
104 100
78 273.0 29.9 55.5#

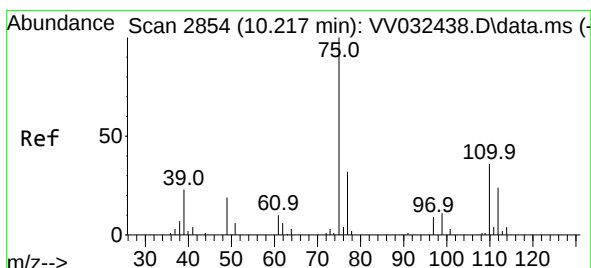
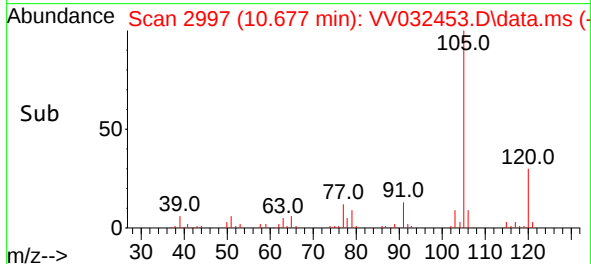
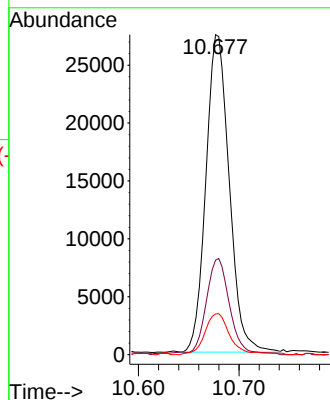
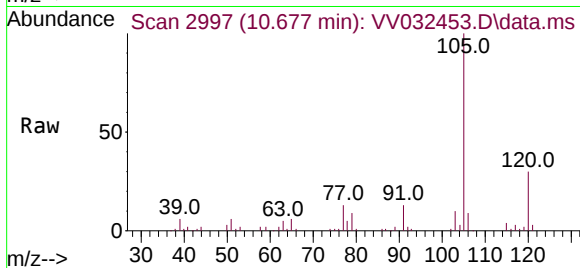




#60
Isopropylbenzene
Concen: 0.727 ug/L
RT: 10.677 min Scan# 2997
Delta R.T. 0.807 min
Lab File: VV032453.D
Acq: 17 Oct 2023 18:18

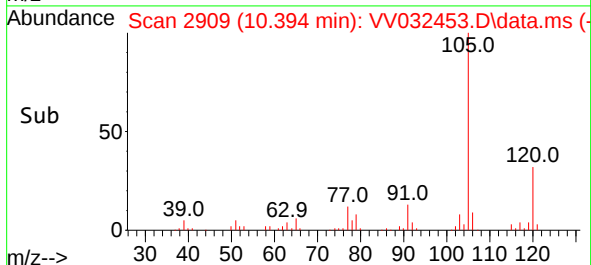
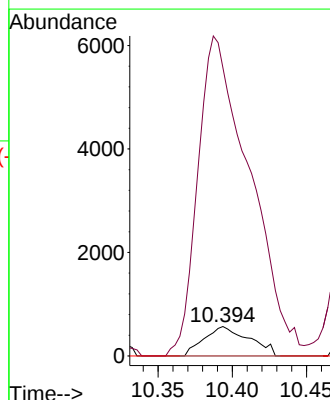
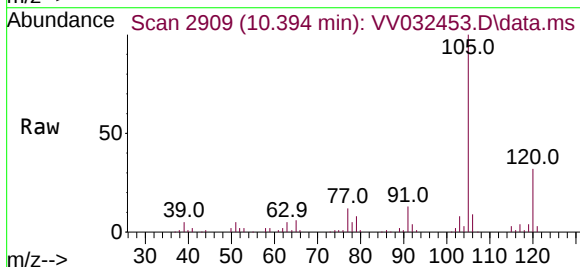
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MSVOA_V
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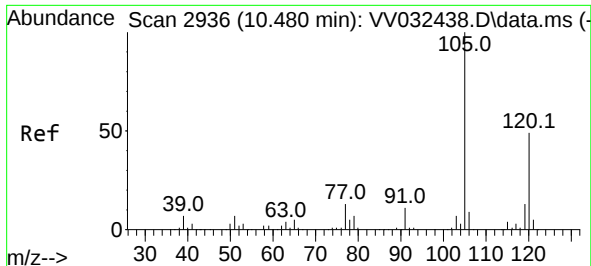
Tgt Ion:105 Resp: 44263
Ion Ratio Lower Upper
105 100
120 30.2 21.0 31.6
77 14.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 0.144 ug/L
RT: 10.394 min Scan# 2909
Delta R.T. 0.177 min
Lab File: VV032453.D
Acq: 17 Oct 2023 18:18

Tgt Ion: 75 Resp: 1200
Ion Ratio Lower Upper
75 100
77 1252.9 26.2 39.2#
110 0.0 30.6 46.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.738 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV032453.D

Acq: 17 Oct 2023 18:18

Instrument :

MSVOA_V

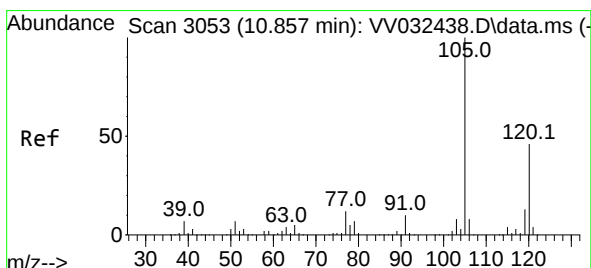
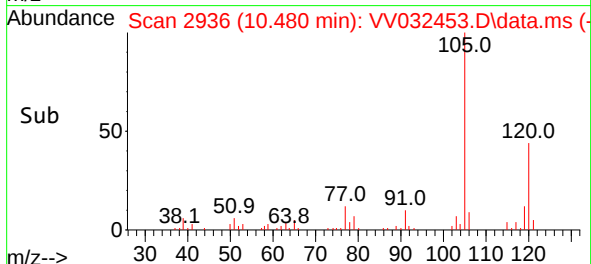
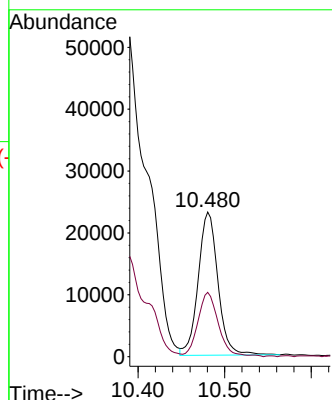
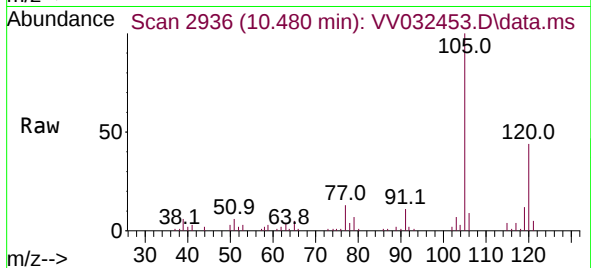
ClientSampleId :

Tgt Ion:105 Resp: 36582

Ion Ratio Lower Upper

105 100

120 46.8 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 3.222 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VV032453.D

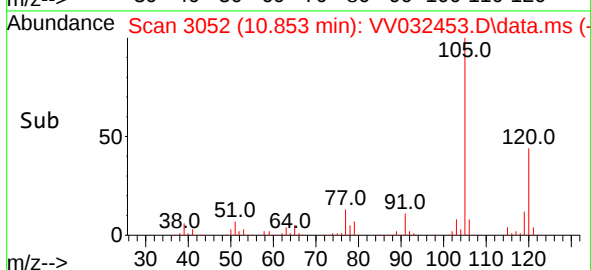
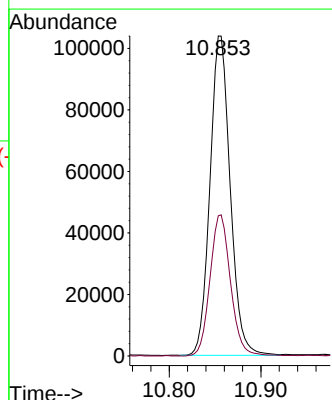
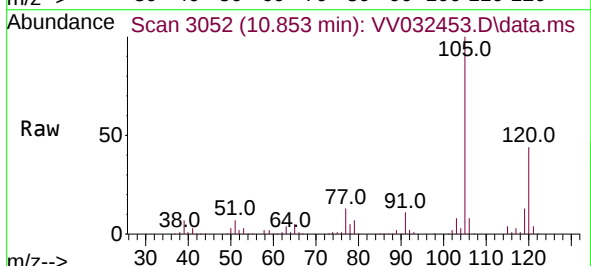
Acq: 17 Oct 2023 18:18

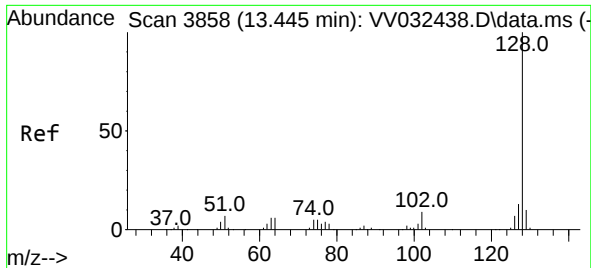
Tgt Ion:105 Resp: 159101

Ion Ratio Lower Upper

105 100

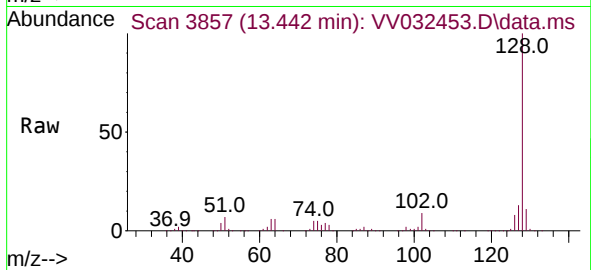
120 45.0 36.2 54.4





#71
Naphthalene
Concen: 15.218 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. -0.003 min
Lab File: VV032453.D
Acq: 17 Oct 2023 18:18

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 488212
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.1 10.2 15.2

