

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052324\
 Data File : VV035692.D
 Acq On : 23 May 2024 10:45
 Operator : SY/MD
 Sample : P2566-07
 Misc : 4.46g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 24 01:46:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 01:44:38 2024
 Response via : Initial Calibration

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

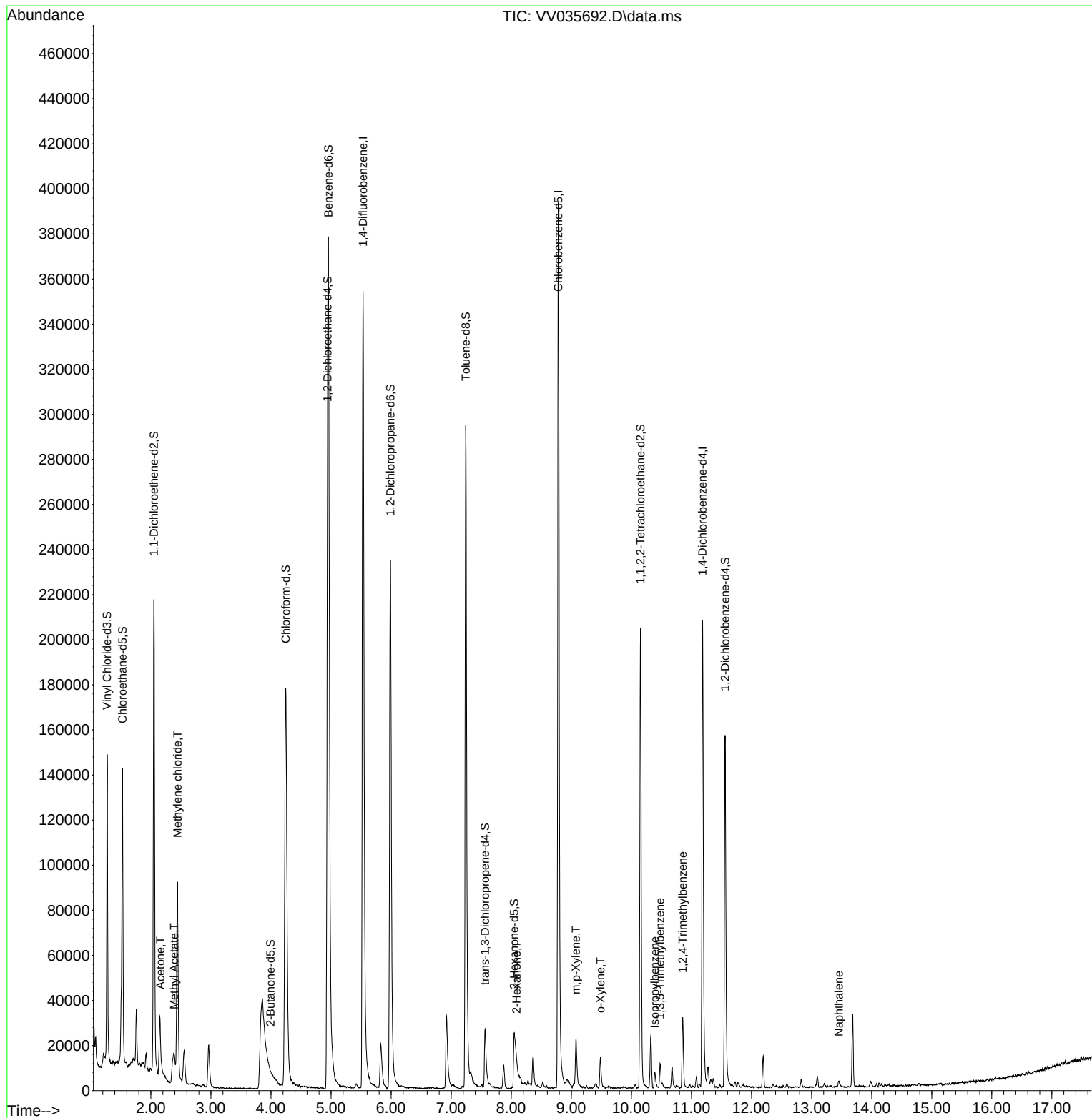
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	325675	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	234820	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	58450	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	84879	16.862	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.440%
7) Chloroethane-d5	1.526	69	81689	20.116	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.480%
11) 1,1-Dichloroethene-d2	2.050	65	36764	16.497	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.000%
21) 2-Butanone-d5	3.992	46	391	0.274	ug/L	0.16
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.540%#
24) Chloroform-d	4.246	84	201339	20.795	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.160%
26) 1,2-Dichloroethane-d4	4.941	65	118332	24.722	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.880%
32) Benzene-d6	4.957	84	329524	25.636	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.560%
36) 1,2-Dichloropropane-d6	5.989	67	125282	31.583	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.320%#
41) Toluene-d8	7.243	98	210083	18.364	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.440%
43) trans-1,3-Dichloroprop...	7.564	79	18582	10.953	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	43.800%
47) 2-Hexanone-d5	8.047	63	8737	12.249	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	24.500%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	102880	26.915	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.640%
66) 1,2-Dichlorobenzene-d4	11.561	152	44156	21.768	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.080%
Target Compounds						Qvalue
13) Acetone	2.159	43	20419	9.765	ug/L	78
15) Methyl Acetate	2.388	43	15037	4.746	ug/L #	70
16) Methylene chloride	2.442	84	37869	5.042	ug/L	92
48) 2-Hexanone	8.088	43	7756	4.260	ug/L #	36
53) m,p-Xylene	9.079	106	6402	0.929	ug/L	95
54) o-Xylene	9.484	106	3910	0.599	ug/L	98
60) Isopropylbenzene	10.391	105	5909	0.759	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	6354	1.040	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	16939	2.699	ug/L	99
71) Naphthalene	13.455	128	3009	0.643	ug/L #	85

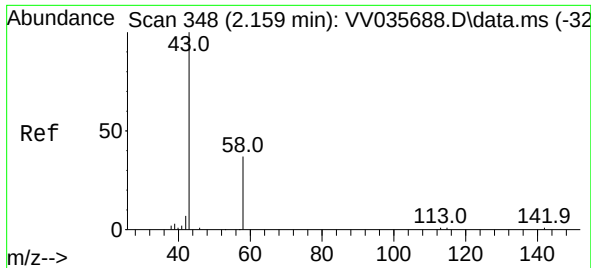
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri May 24 01:44:38 2024
Response via : Initial Calibration





#13

Acetone

Concen: 9.765 ug/L

RT: 2.159 min Scan# 348

Delta R.T. 0.000 min

Lab File: VV035692.D

Acq: 23 May 2024 10:45

Instrument :

MSVOA_V

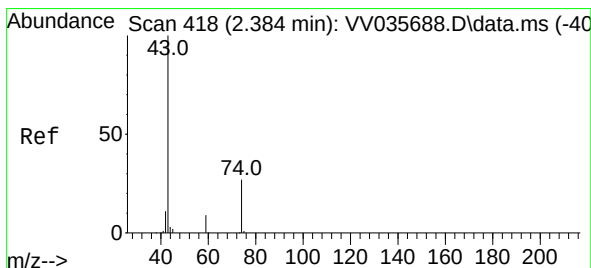
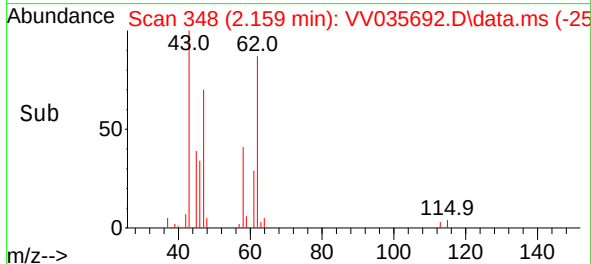
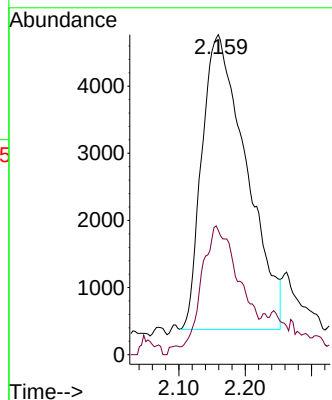
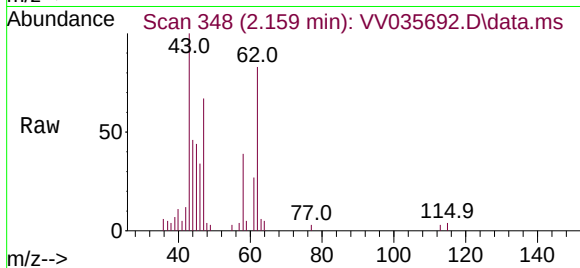
ClientSampleId :

Tgt Ion: 43 Resp: 20419

Ion Ratio Lower Upper

43 100

58 19.7 0.0 22.8



#15

Methyl Acetate

Concen: 4.746 ug/L

RT: 2.388 min Scan# 419

Delta R.T. 0.003 min

Lab File: VV035692.D

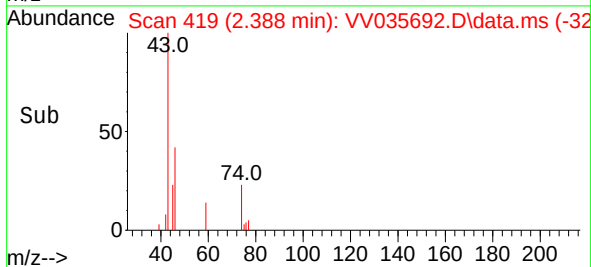
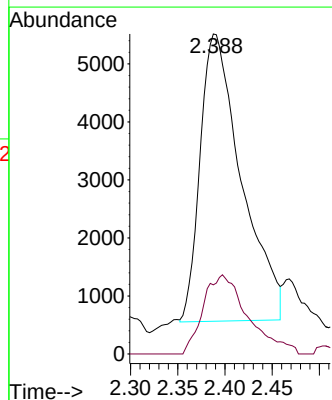
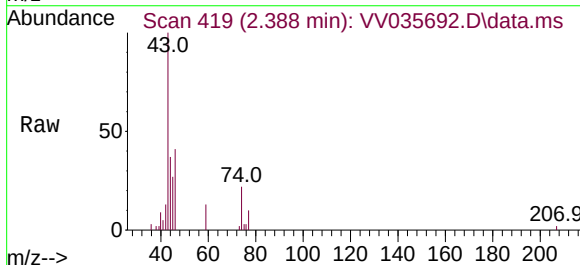
Acq: 23 May 2024 10:45

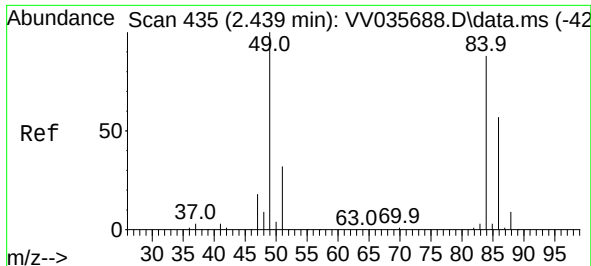
Tgt Ion: 43 Resp: 15037

Ion Ratio Lower Upper

43 100

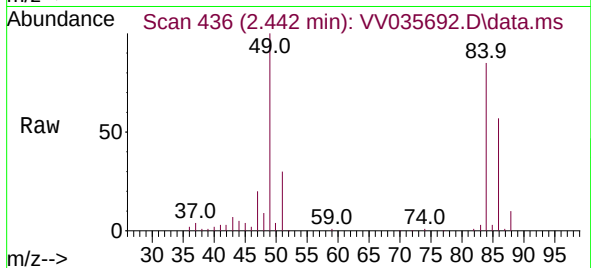
74 8.4 18.6 27.8#



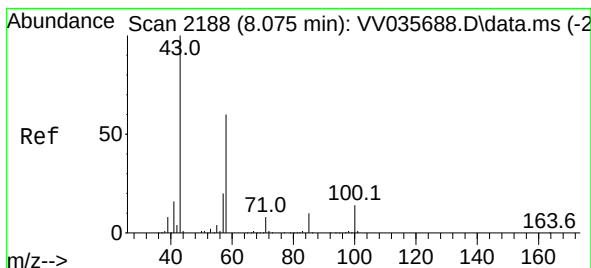
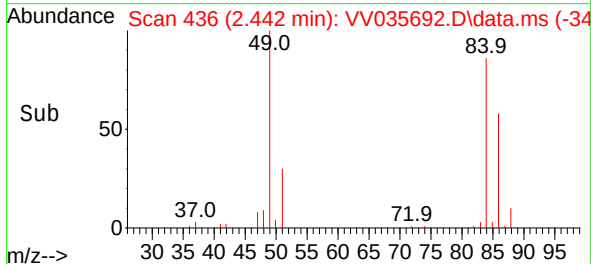
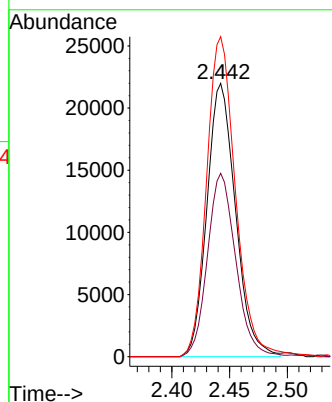


#16
Methylene chloride
Concen: 5.042 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV035692.D
Acq: 23 May 2024 10:45

Instrument :
MSVOA_V
ClientSampleId :

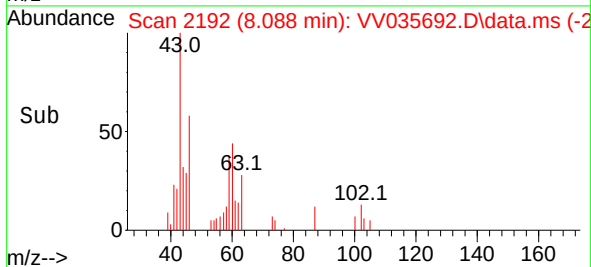
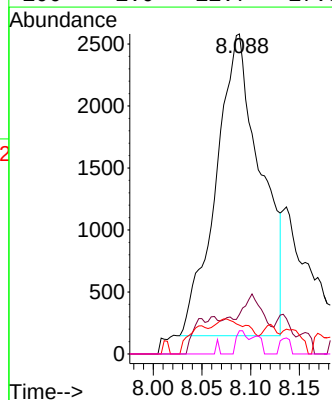
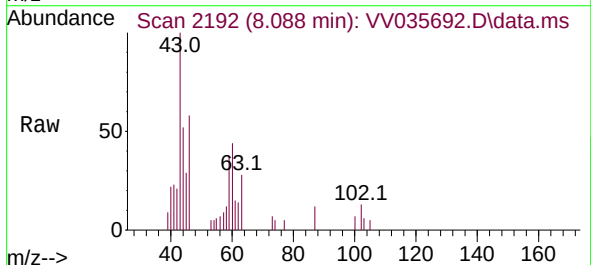


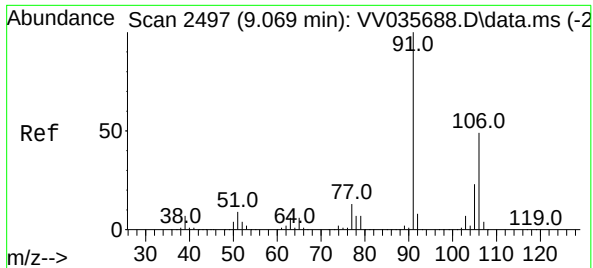
Tgt Ion: 84 Resp: 37869
Ion Ratio Lower Upper
84 100
86 67.1 43.8 81.3
49 117.1 75.3 139.9



#48
2-Hexanone
Concen: 4.260 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.013 min
Lab File: VV035692.D
Acq: 23 May 2024 10:45

Tgt Ion: 43 Resp: 7756
Ion Ratio Lower Upper
43 100
58 1.0 48.8 73.2#
57 0.0 16.9 25.3#
100 1.9 11.7 17.5#

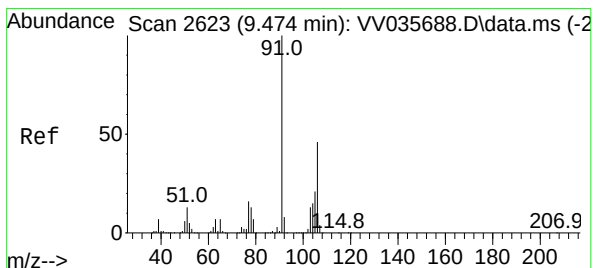
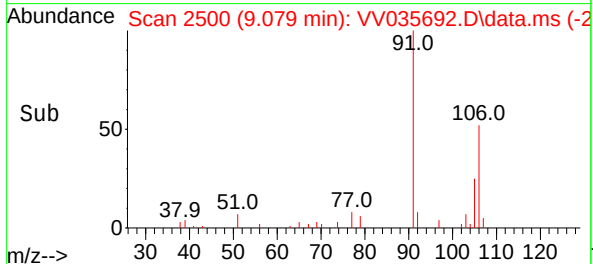
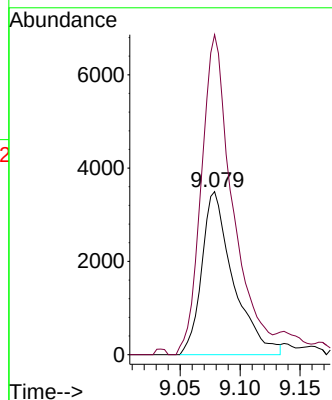
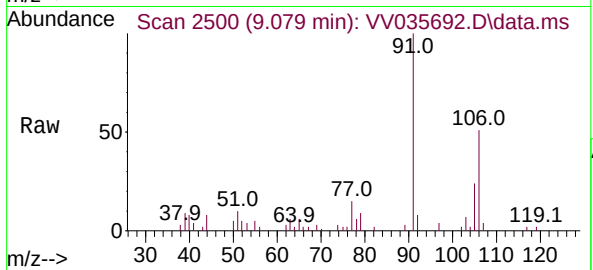




#53
m,p-Xylene
Concen: 0.929 ug/L
RT: 9.079 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VV035692.D
Acq: 23 May 2024 10:45

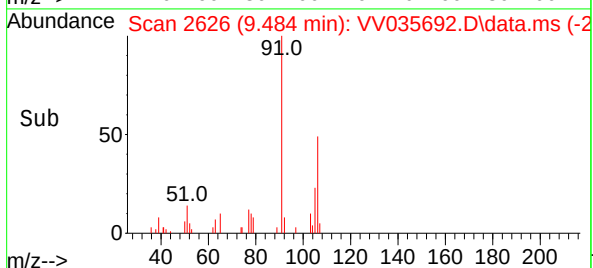
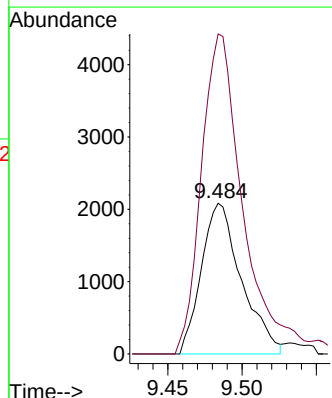
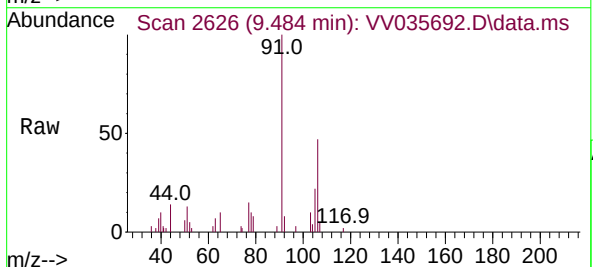
Instrument :
MSVOA_V
ClientSampleId :

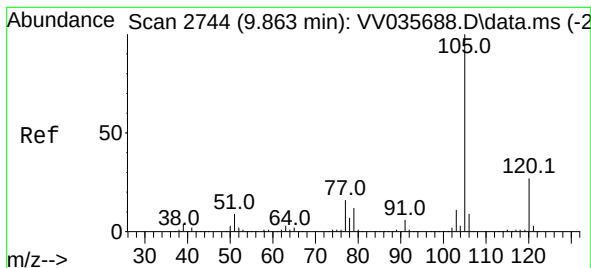
Tgt Ion:106 Resp: 6402
Ion Ratio Lower Upper
106 100
91 196.3 142.7 264.9



#54
o-Xylene
Concen: 0.599 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.010 min
Lab File: VV035692.D
Acq: 23 May 2024 10:45

Tgt Ion:106 Resp: 3910
Ion Ratio Lower Upper
106 100
91 212.3 150.9 280.3





#60

Isopropylbenzene

Concen: 0.759 ug/L

RT: 10.391 min Scan# 2908

Delta R.T. 0.528 min

Lab File: VV035692.D

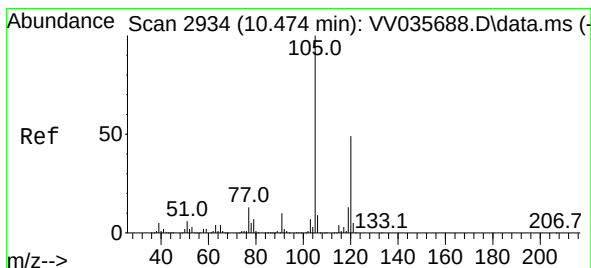
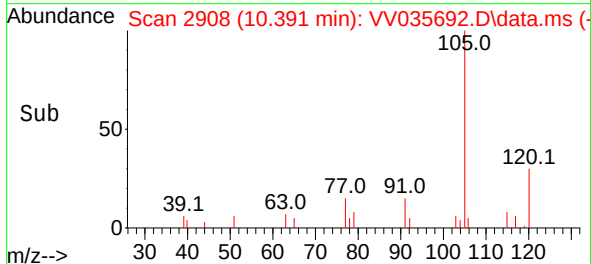
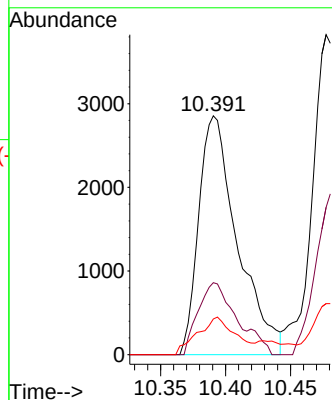
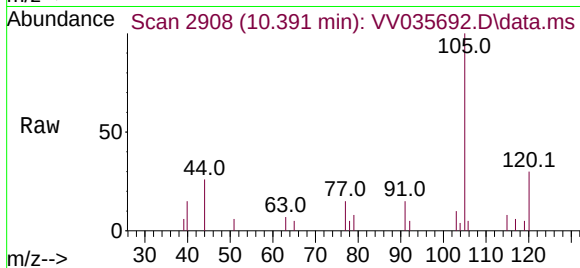
Acq: 23 May 2024 10:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:105	Resp:	5909
Ion Ratio	Lower	Upper
105	100	
120	26.9	21.3 31.9
77	15.5	12.2 18.2



#62

1,3,5-Trimethylbenzene

Concen: 1.040 ug/L

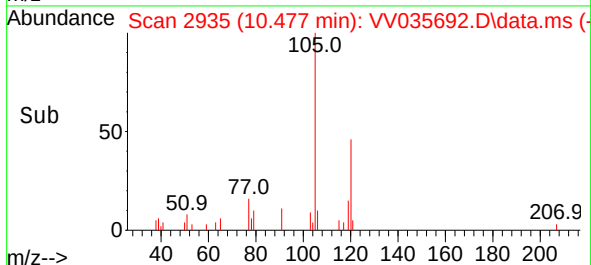
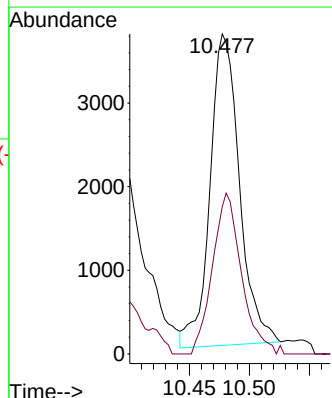
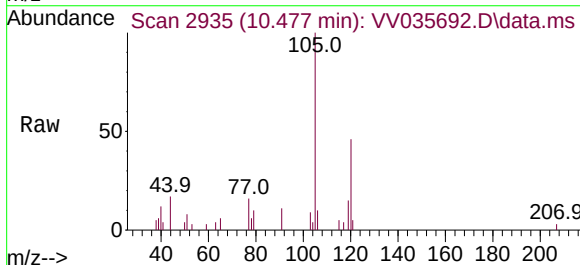
RT: 10.477 min Scan# 2935

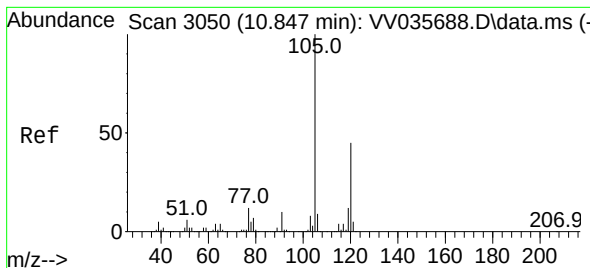
Delta R.T. 0.003 min

Lab File: VV035692.D

Acq: 23 May 2024 10:45

Tgt Ion:105	Resp:	6354
Ion Ratio	Lower	Upper
105	100	
120	50.6	39.4 59.0





#63

1,2,4-Trimethylbenzene

Concen: 2.699 ug/L

RT: 10.854 min Scan# 3050

Delta R.T. 0.007 min

Lab File: VV035692.D

Acq: 23 May 2024 10:45

Instrument :

MSVOA_V

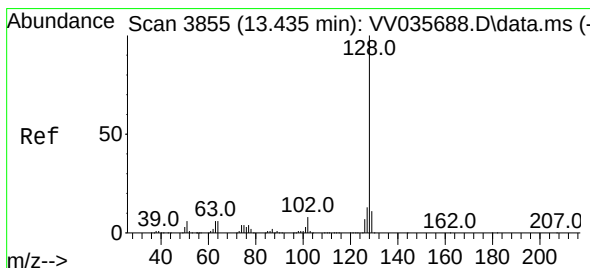
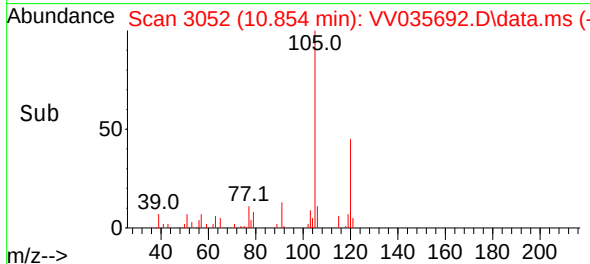
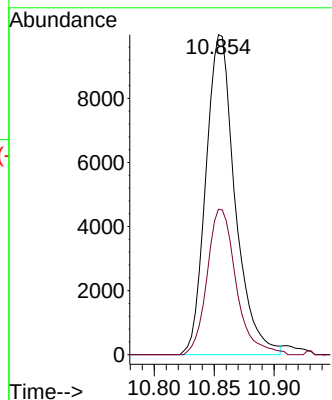
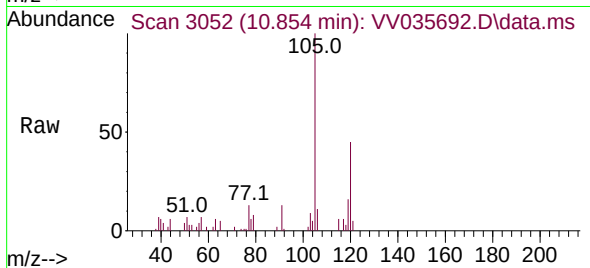
ClientSampleId :

Tgt Ion:105 Resp: 16939

Ion Ratio Lower Upper

105 100

120 45.1 36.6 55.0



#71

Naphthalene

Concen: 0.643 ug/L

RT: 13.455 min Scan# 3861

Delta R.T. 0.020 min

Lab File: VV035692.D

Acq: 23 May 2024 10:45

Tgt Ion:128 Resp: 3009

Ion Ratio Lower Upper

128 100

127 5.8 10.4 15.6#

129 6.3 8.6 13.0#

