

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW020725\
 Data File : VW038653.D
 Acq On : 07 Feb 2025 18:15
 Operator : SY/MD
 Sample : Q1334-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 12 13:24:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020625WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 12 13:18:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	246747	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.777	117	239083	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	127265	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	96676	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.529	69	76588	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	2.053	65	40589	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.825	46	194452	43.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.78%
24) Chloroform-d	4.236	84	163502	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
26) 1,2-Dichloroethane-d4	4.937	65	80143	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	4.950	84	323121	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	5.982	67	105065	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.236	98	298958	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloroprop...	7.551	79	35167	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.021	63	183253	62.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.36%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	83452	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
66) 1,2-Dichlorobenzene-d4	11.551	152	106220	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%
Target Compounds						
					Qvalue	
3) Chloromethane	1.179	50	78110	2.84	ug/L #	43
8) Chloroethane	1.317	64	2557350	141.80	ug/L #	54
13) Acetone	2.156	43	311542	95.74	ug/L	97
14) Carbon disulfide	2.233	76	303360	4.39	ug/L	99
15) Methyl Acetate	2.384	43	44109	5.27	ug/L #	84
19) 1,1-Dichloroethane	3.105	63	37824	0.94	ug/L	100
21) 2-Butanone	3.912	43	18964	3.88	ug/L #	68
33) Benzene	5.008	78	57893	0.77	ug/L	100
35) Methylcyclohexane	5.979	83	24359	0.80	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	11157	0.58	ug/L #	87
38) Bromodichloromethane	6.494	83	7812	0.30	ug/L #	1
40) 4-Methyl-2-pentanone	7.156	43	131005	13.04	ug/L	93
42) Toluene	7.310	91	104280	1.30	ug/L	100
45) 1,1,2-Trichloroethane	7.780	97	3878	0.26	ug/L #	1
52) Ethylbenzene	8.944	91	19493	0.23	ug/L	99
53) m,p-Xylene	9.066	106	27568	0.88	ug/L	97
54) o-Xylene	9.471	106	36427	1.19	ug/L	98
60) Isopropylbenzene	10.381	105	46496	0.55	ug/L	93
62) 1,3,5-Trimethylbenzene	10.471	105	50863	0.77	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 12 13:18:31 2025
Response via : Initial Calibration

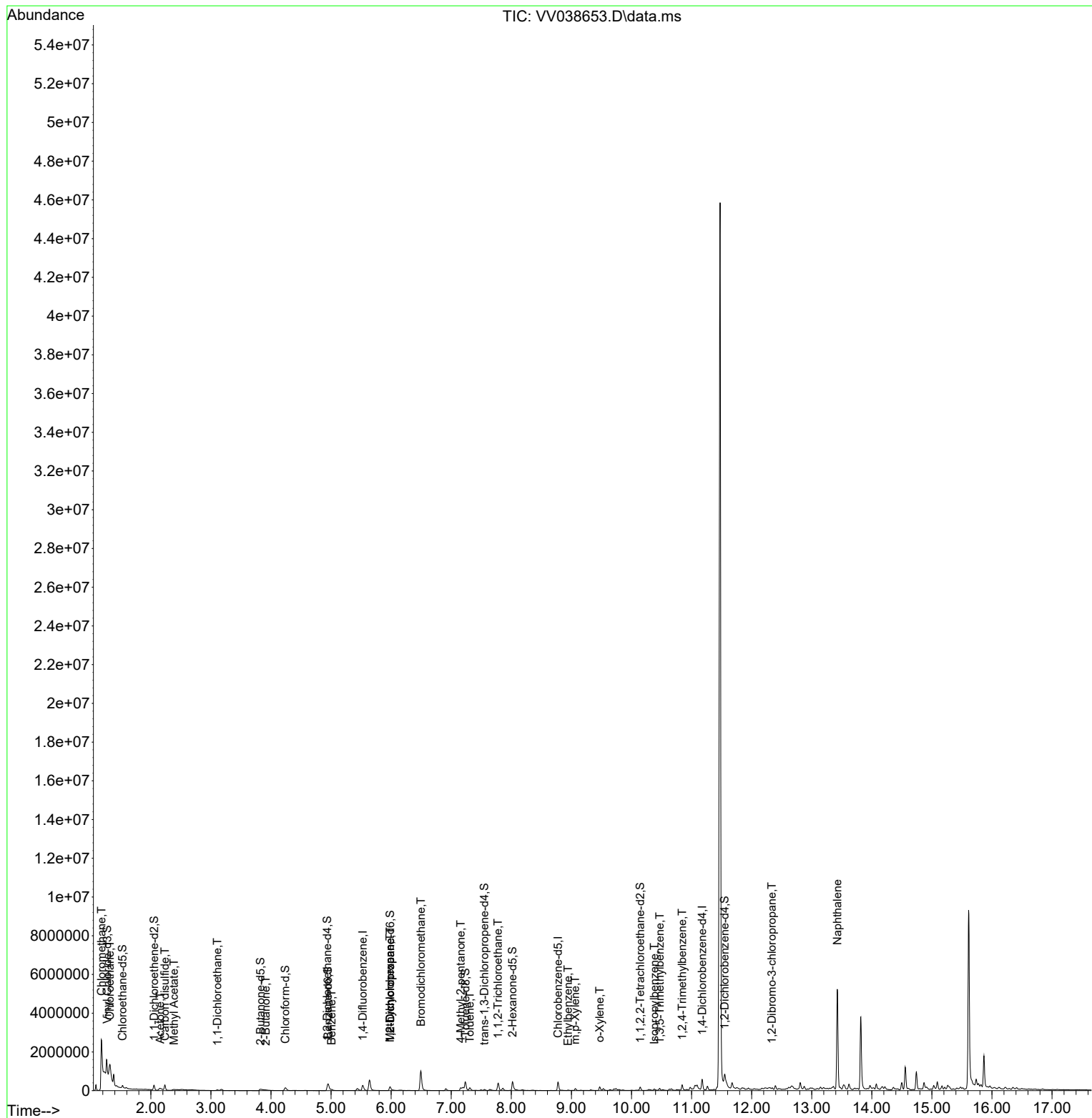
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.844	105	152250	2.32	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.336	75	468	0.18	ug/L #	6
71) Naphthalene	13.426	128	3826317	115.09	ug/L	97

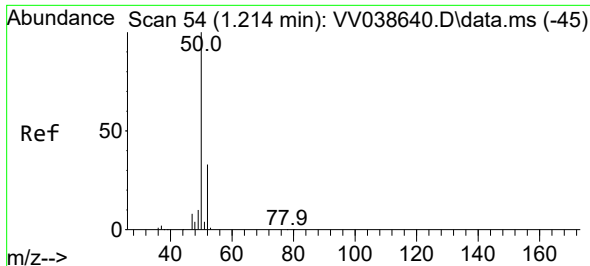
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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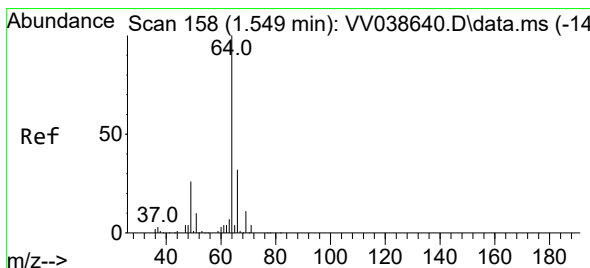
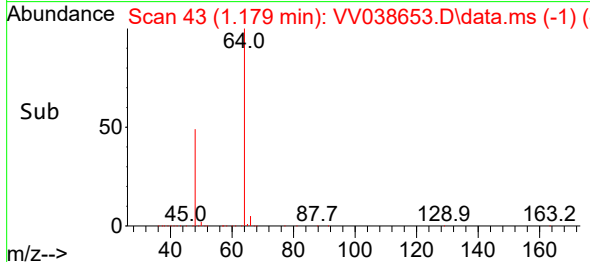
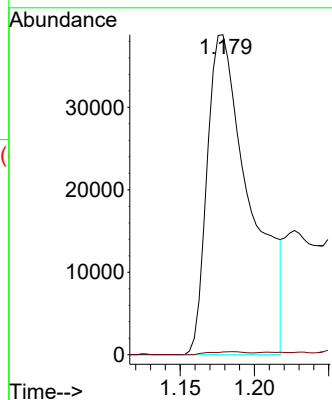
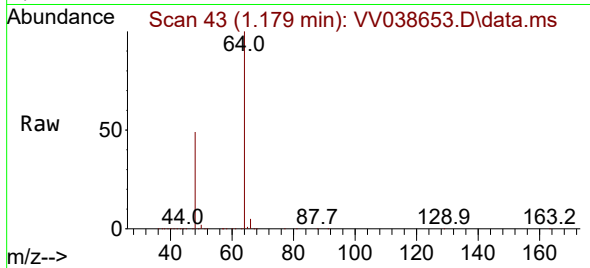




#3
Chloromethane
Concen: 2.84 ug/L
RT: 1.179 min Scan# 41
Delta R.T. -0.035 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

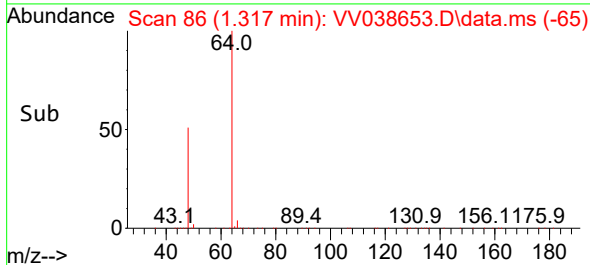
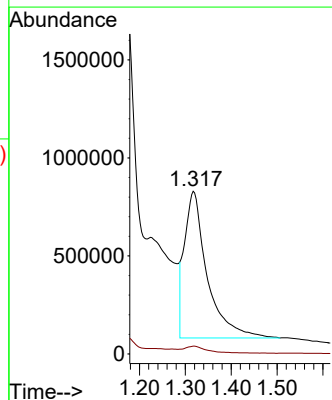
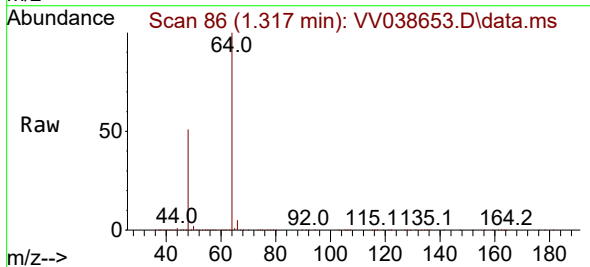
Instrument :
MSVOA_V
ClientSampleId :

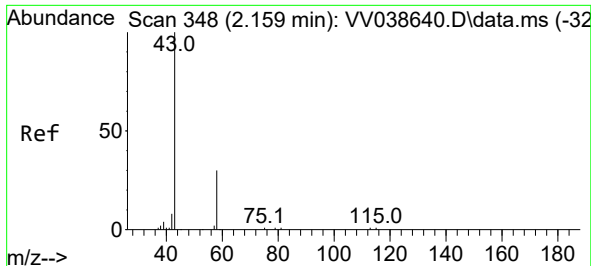
Tgt Ion: 50 Resp: 78110
Ion Ratio Lower Upper
50 100
52 0.8 23.2 43.2#



#8
Chloroethane
Concen: 141.80 ug/L
RT: 1.317 min Scan# 86
Delta R.T. -0.232 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

Tgt Ion: 64 Resp: 2557350
Ion Ratio Lower Upper
64 100
66 4.8 20.9 38.7#





#13

Acetone

Concen: 95.74 ug/L

RT: 2.156 min Scan# 348

Delta R.T. -0.003 min

Lab File: VV038653.D

Acq: 07 Feb 2025 18:15

Instrument :

MSVOA_V

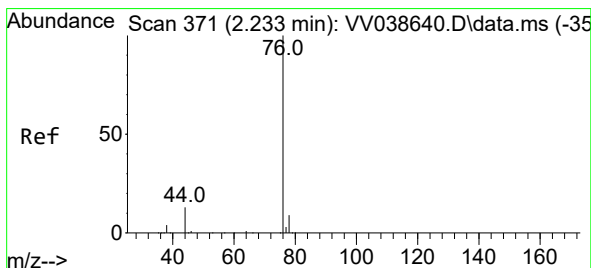
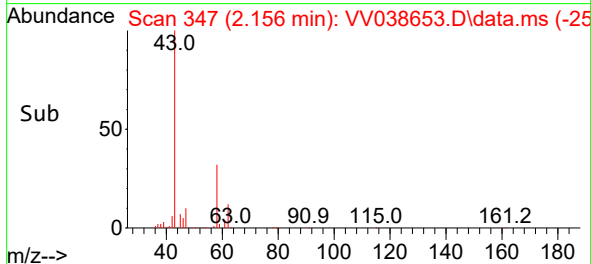
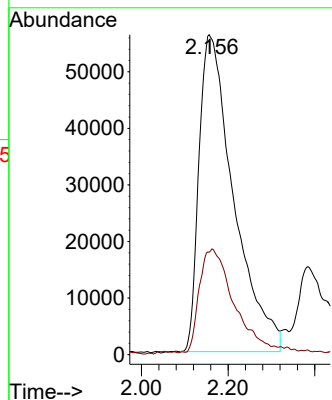
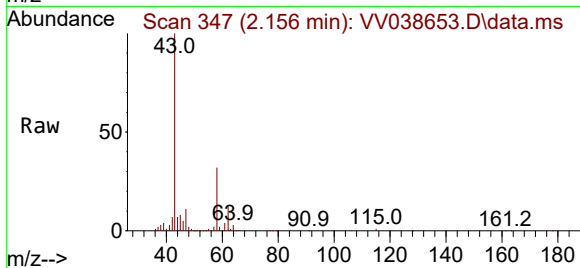
ClientSampleId :

Tgt Ion: 43 Resp: 311542

Ion Ratio Lower Upper

43 100

58 31.8 0.0 67.4



#14

Carbon disulfide

Concen: 4.39 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.000 min

Lab File: VV038653.D

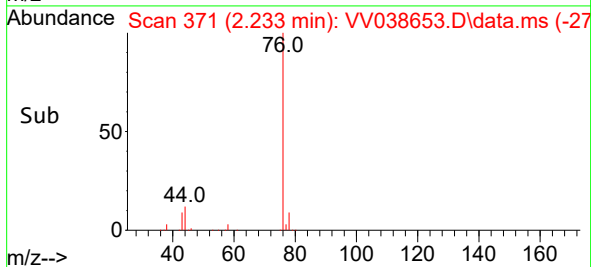
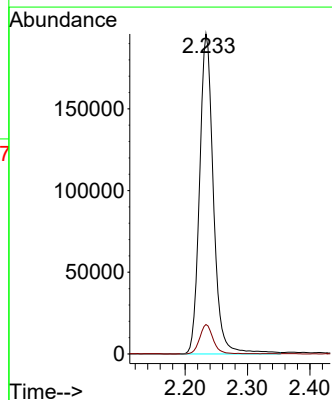
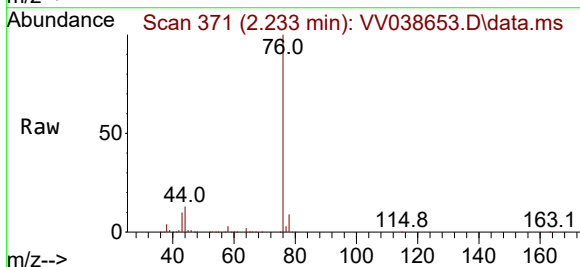
Acq: 07 Feb 2025 18:15

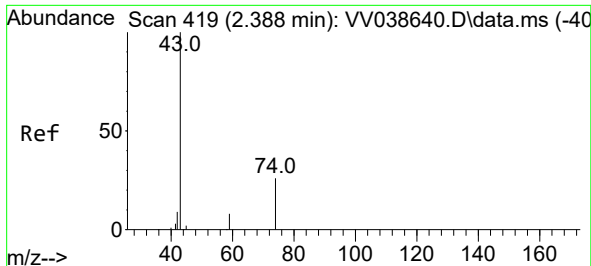
Tgt Ion: 76 Resp: 303360

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 5.27 ug/L

RT: 2.384 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV038653.D

Acq: 07 Feb 2025 18:15

Instrument :

MSVOA_V

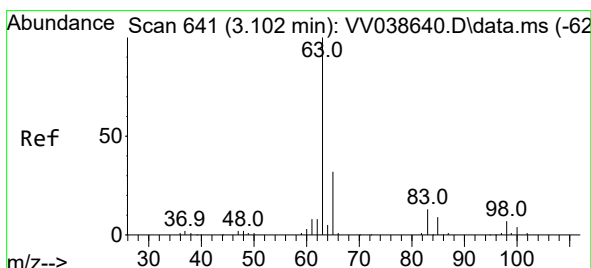
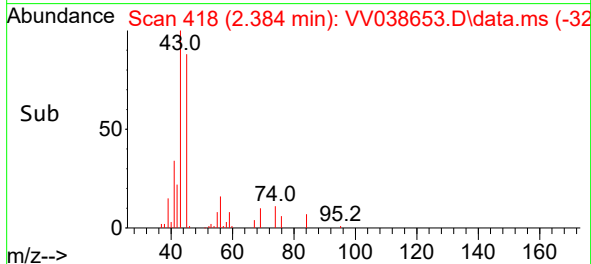
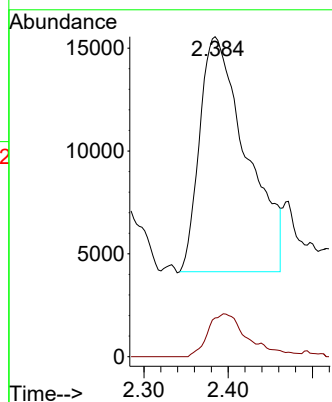
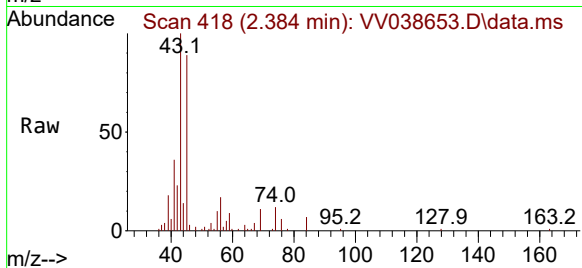
ClientSampleId :

Tgt Ion: 43 Resp: 44109

Ion Ratio Lower Upper

43 100

74 15.6 18.6 27.8#



#19

1,1-Dichloroethane

Concen: 0.94 ug/L

RT: 3.105 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV038653.D

Acq: 07 Feb 2025 18:15

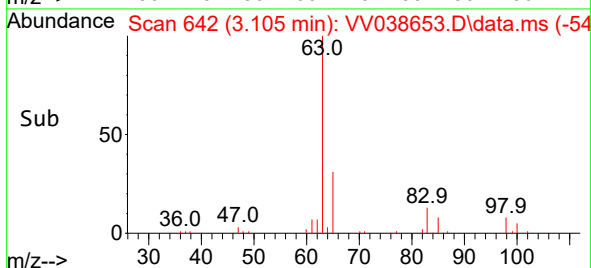
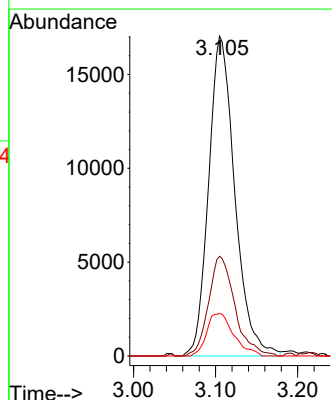
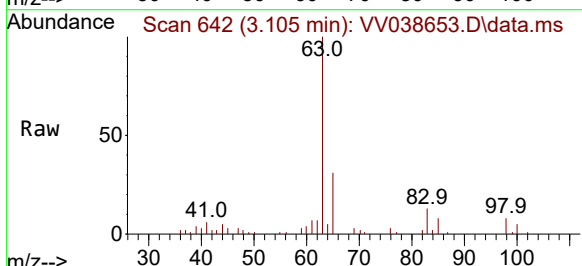
Tgt Ion: 63 Resp: 37824

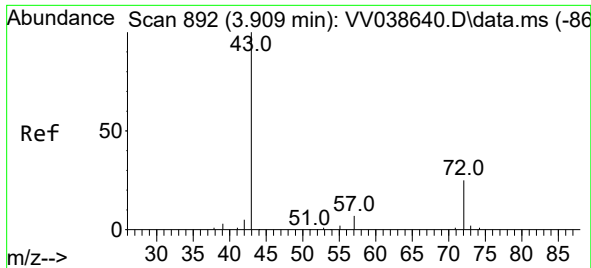
Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.4

83 13.2 9.2 17.2

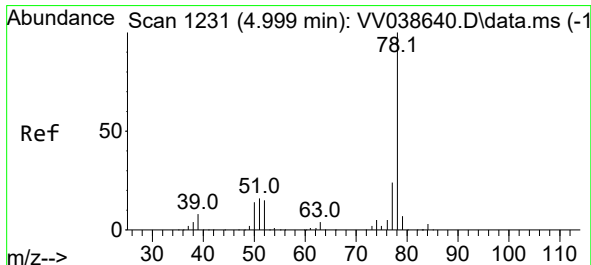
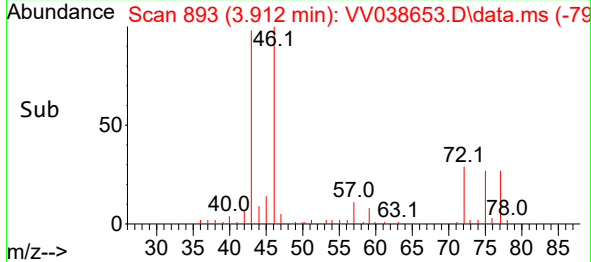
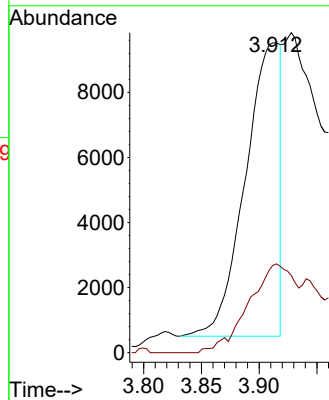
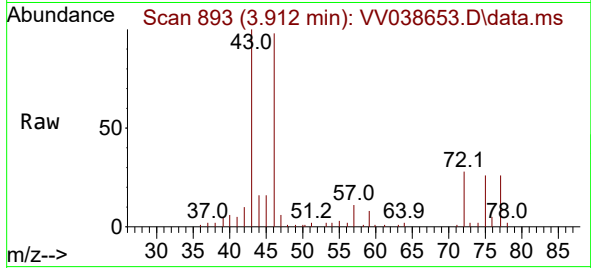




#21
2-Butanone
Concen: 3.88 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

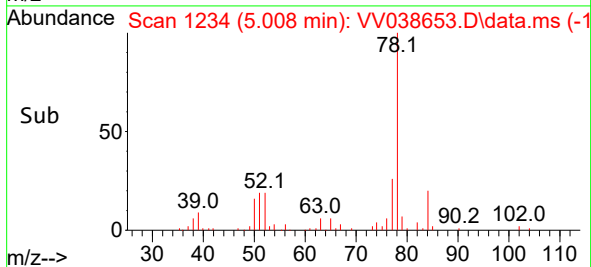
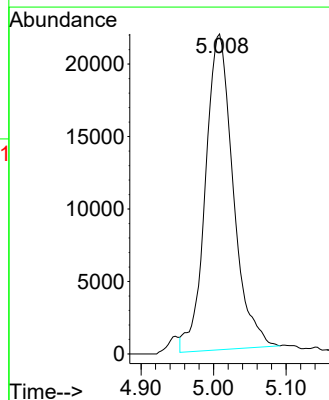
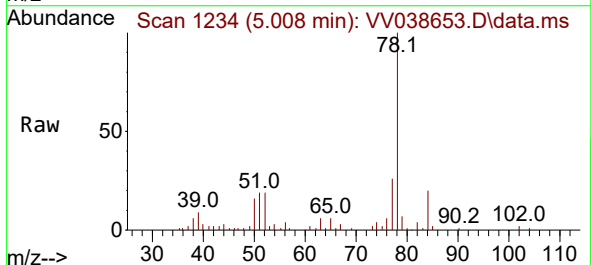
Instrument :
MSVOA_V
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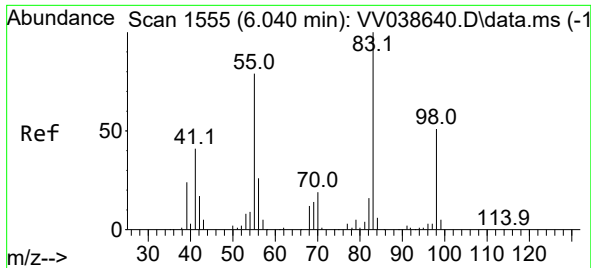
Tgt Ion: 43 Resp: 18964
Ion Ratio Lower Upper
43 100
72 39.6 11.9 35.5#



#33
Benzene
Concen: 0.77 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.010 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

Tgt Ion: 78 Resp: 57893

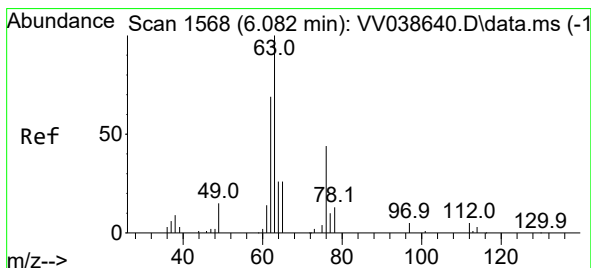
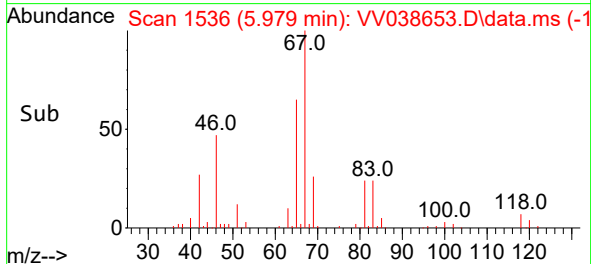
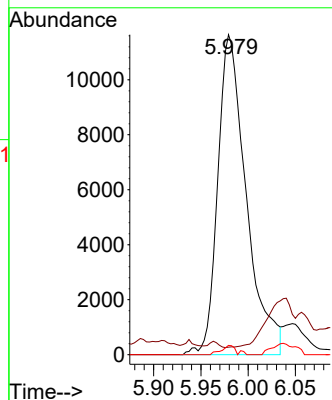
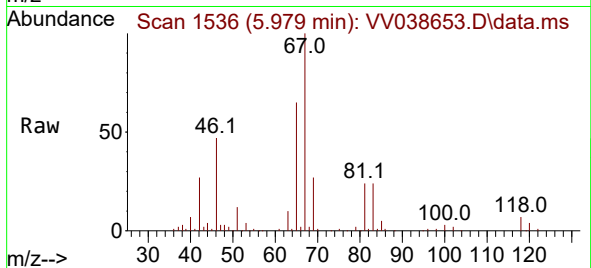




#35
Methylcyclohexane
Concen: 0.80 ug/L
RT: 5.979 min Scan# 1536
Delta R.T. -0.061 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

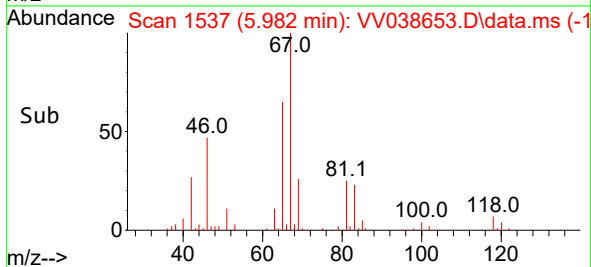
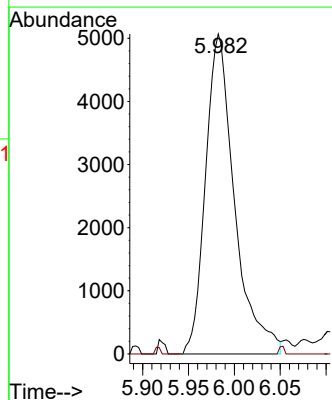
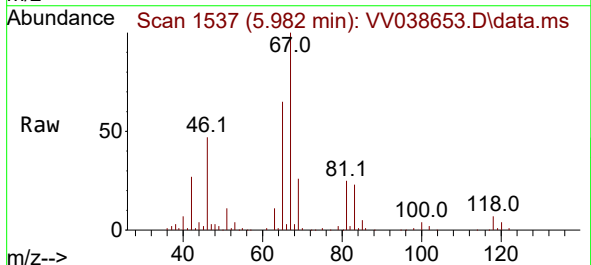
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MSVOA_V
ClientSampleId :

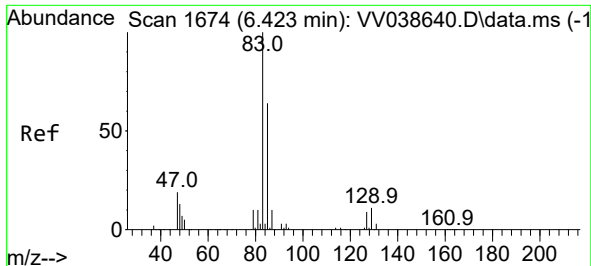
Tgt Ion: 83 Resp: 24359
Ion Ratio Lower Upper
83 100
55 0.6 62.6 94.0#
98 1.5 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.58 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.100 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

Tgt Ion: 63 Resp: 11157
Ion Ratio Lower Upper
63 100
112 0.4 3.6 5.4#

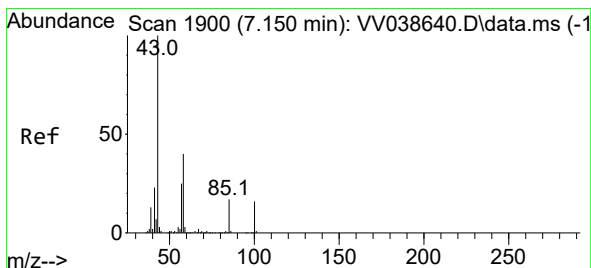
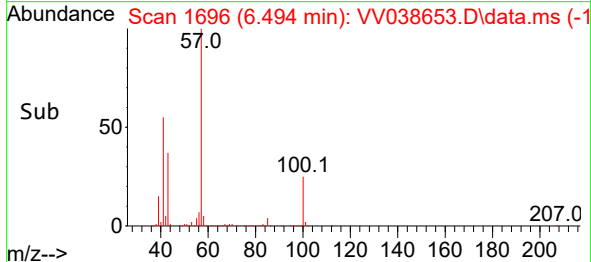
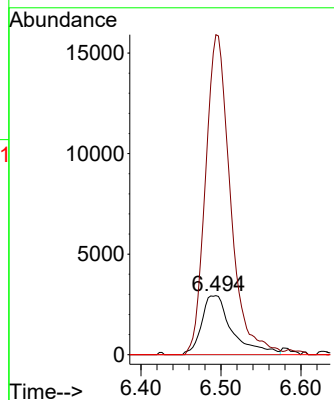
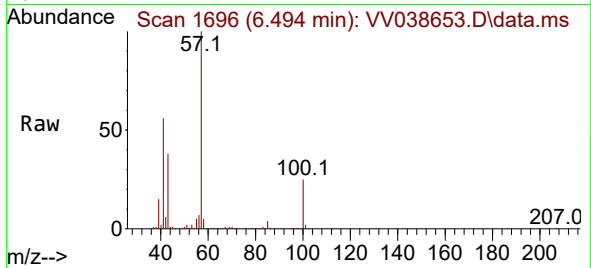




#38
Bromodichloromethane
Concen: 0.30 ug/L
RT: 6.494 min Scan# 1
Delta R.T. 0.071 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

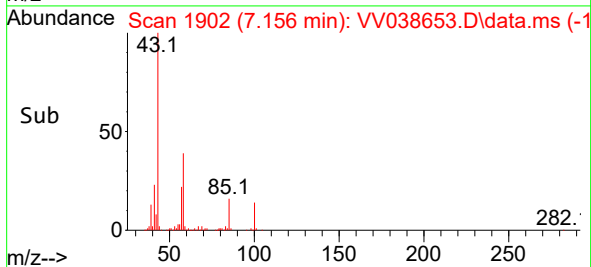
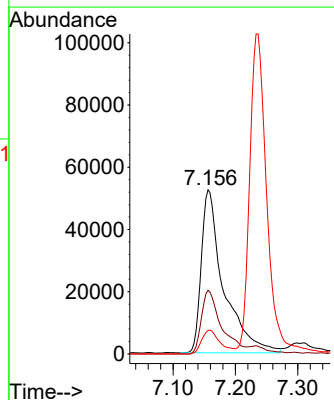
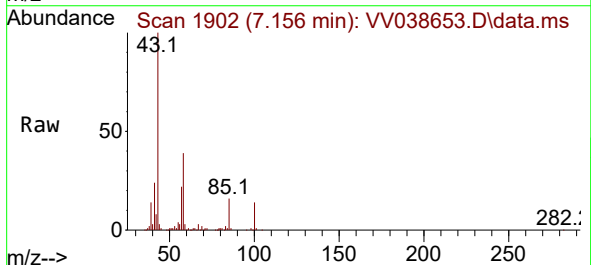
Instrument :
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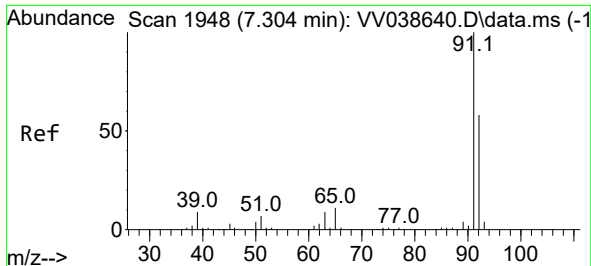
Tgt Ion: 83 Resp: 7812
Ion Ratio Lower Upper
83 100
85 541.7 44.0 81.6#
127 0.0 6.2 9.4#



#40
4-Methyl-2-pentanone
Concen: 13.04 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

Tgt Ion: 43 Resp: 131005
Ion Ratio Lower Upper
43 100
58 34.9 31.1 46.7
100 12.1 12.0 18.0

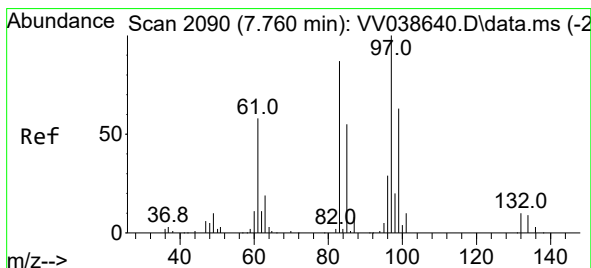
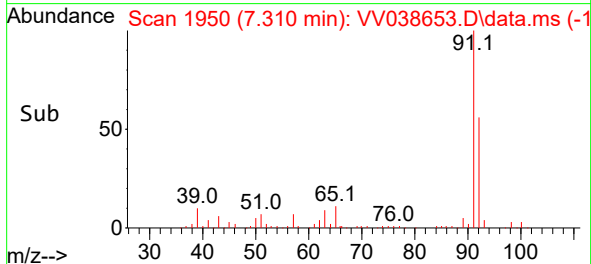
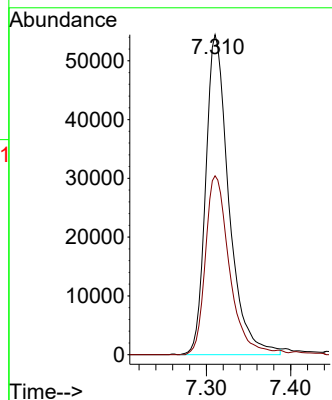
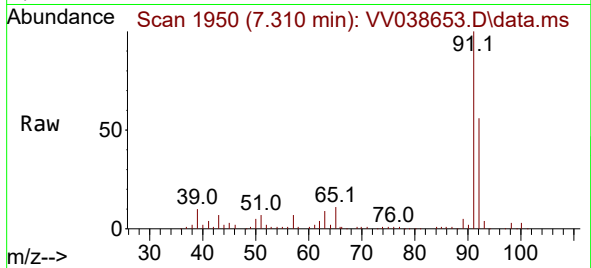




#42
Toluene
Concen: 1.30 ug/L
RT: 7.310 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

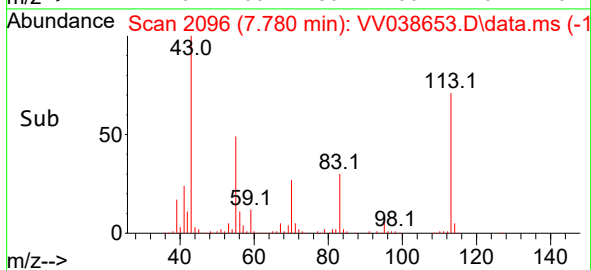
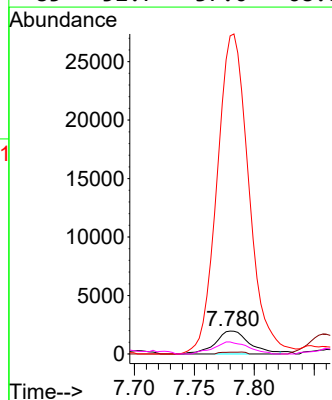
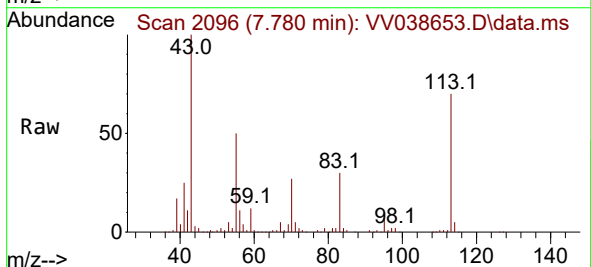
Instrument :
MSVOA_V
ClientSampleId :

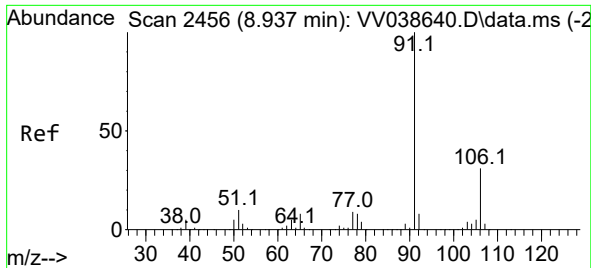
Tgt Ion: 91 Resp: 104280
Ion Ratio Lower Upper
91 100
92 55.9 39.3 72.9



#45
1,1,2-Trichloroethane
Concen: 0.26 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.019 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

Tgt Ion: 97 Resp: 3878
Ion Ratio Lower Upper
97 100
99 8.0 42.7 79.3#
83 1392.0 57.2 106.2#
85 52.7 37.0 68.8

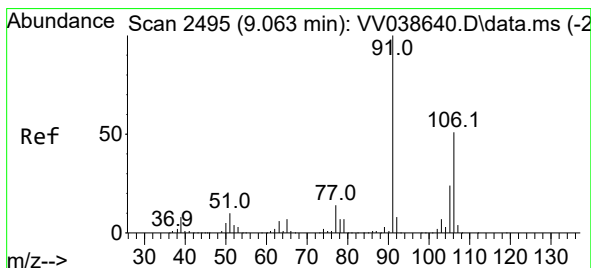
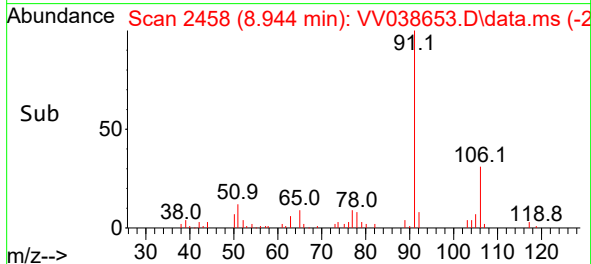
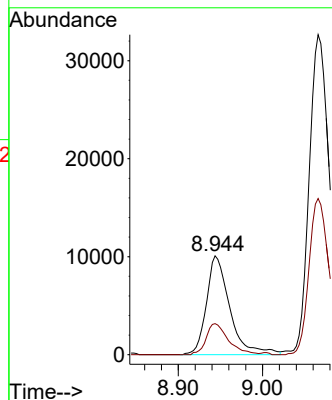
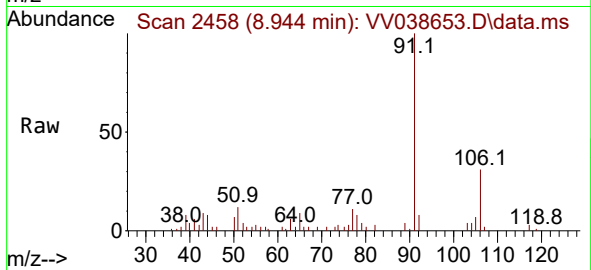




#52
Ethylbenzene
Concen: 0.23 ug/L
RT: 8.944 min Scan# 2456
Delta R.T. 0.006 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

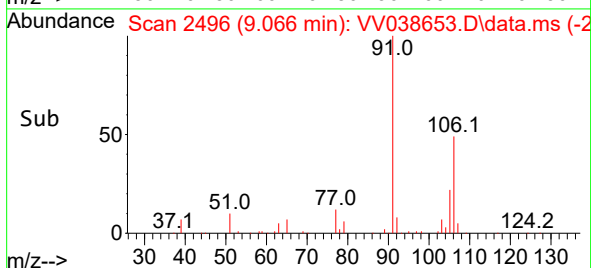
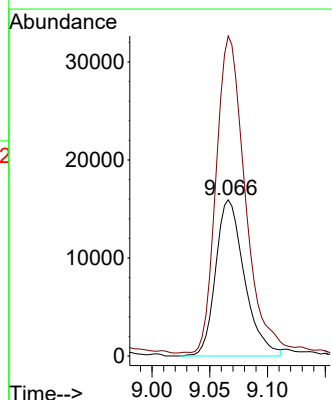
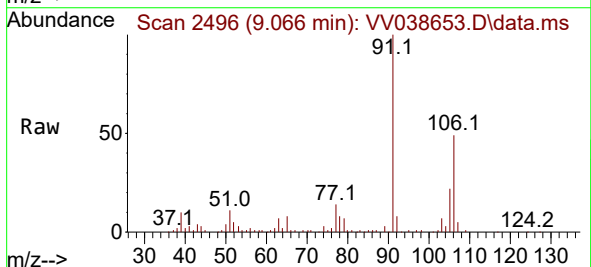
Instrument :
MSVOA_V
ClientSampleId :

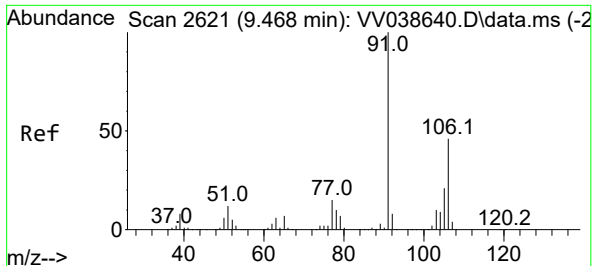
Tgt Ion: 91 Resp: 19493
Ion Ratio Lower Upper
91 100
106 31.3 21.3 39.6



#53
m,p-Xylene
Concen: 0.88 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

Tgt Ion: 106 Resp: 27568
Ion Ratio Lower Upper
106 100
91 204.9 146.3 271.7

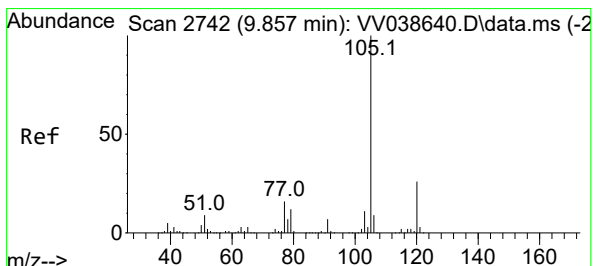
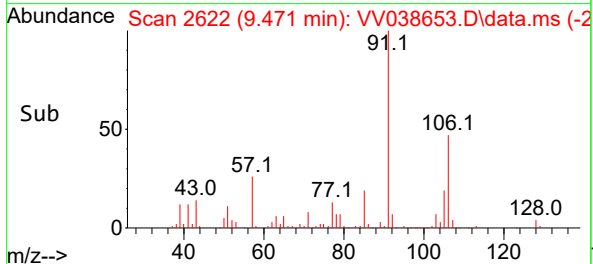
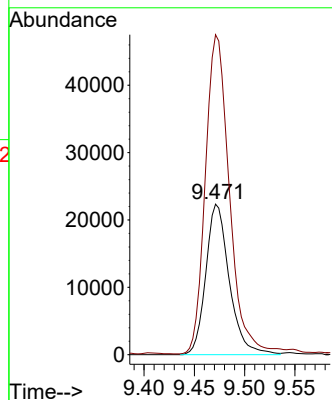
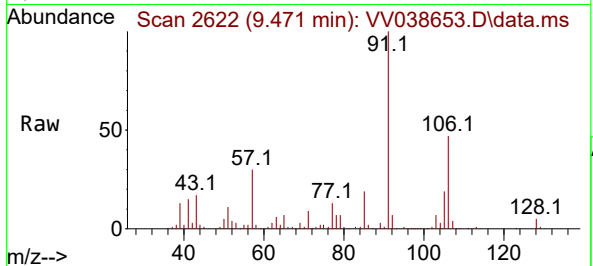




#54
o-Xylene
Concen: 1.19 ug/L
RT: 9.471 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

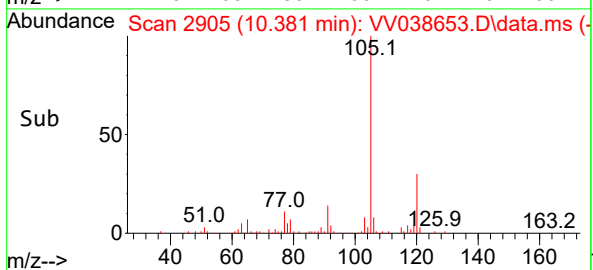
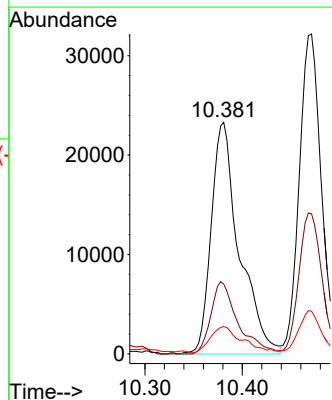
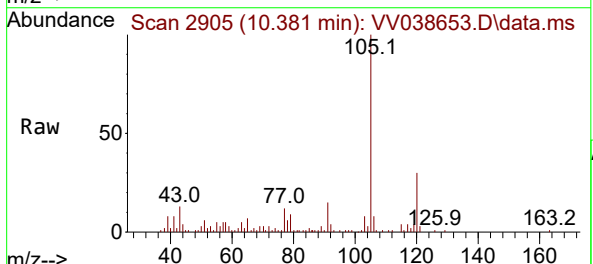
Instrument :
MSVOA_V
ClientSampleId :

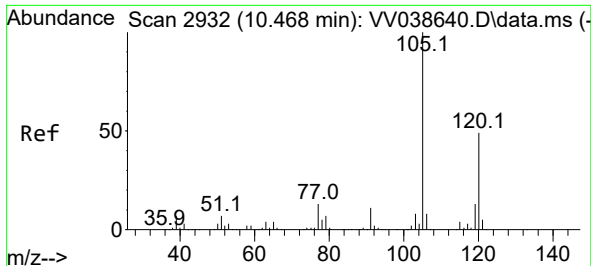
Tgt Ion:106 Resp: 36427
Ion Ratio Lower Upper
106 100
91 212.6 150.8 280.0



#60
Isopropylbenzene
Concen: 0.55 ug/L
RT: 10.381 min Scan# 2905
Delta R.T. 0.524 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

Tgt Ion:105 Resp: 46496
Ion Ratio Lower Upper
105 100
120 30.2 21.0 31.4
77 12.8 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 0.77 ug/L

RT: 10.471 min Scan# 2932

Delta R.T. 0.003 min

Lab File: VV038653.D

Acq: 07 Feb 2025 18:15

Instrument :

MSVOA_V

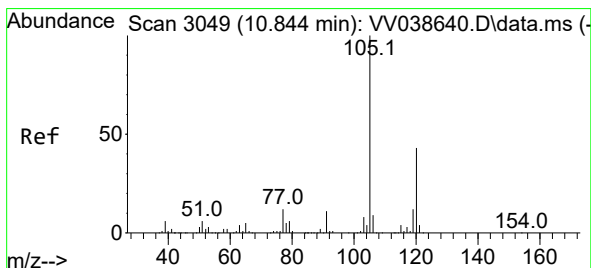
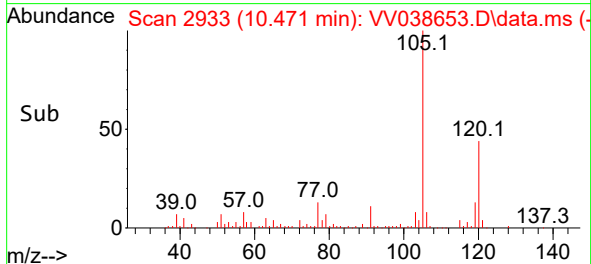
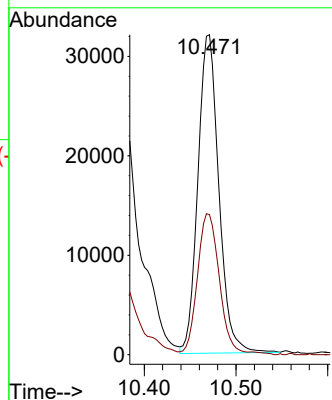
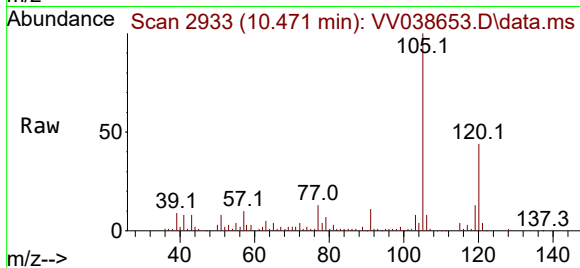
ClientSampleId :

Tgt Ion:105 Resp: 50863

Ion Ratio Lower Upper

105 100

120 46.8 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 2.32 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV038653.D

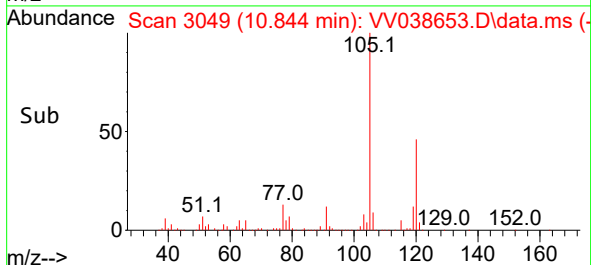
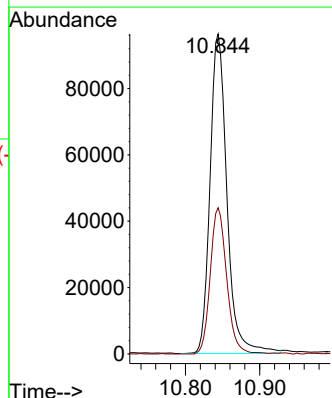
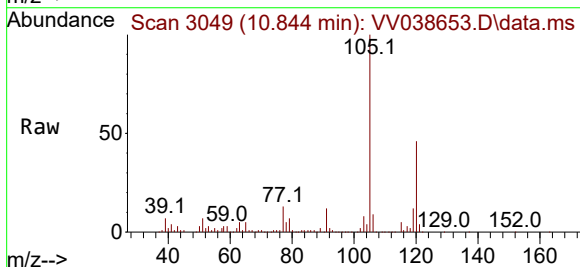
Acq: 07 Feb 2025 18:15

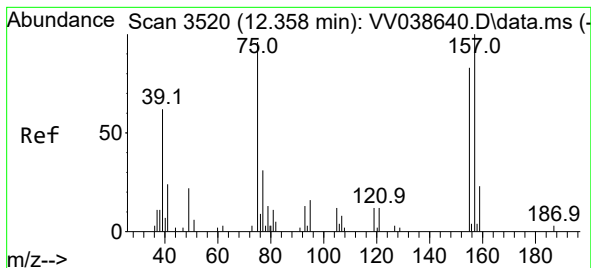
Tgt Ion:105 Resp: 152250

Ion Ratio Lower Upper

105 100

120 44.4 36.2 54.2

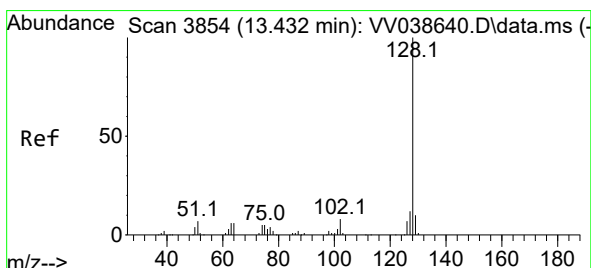
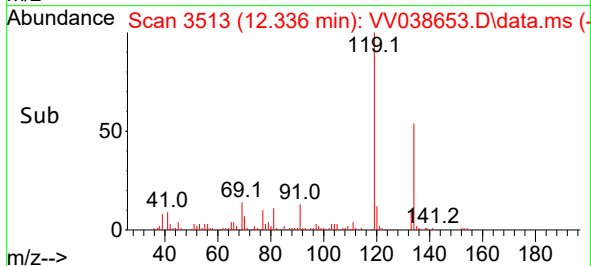
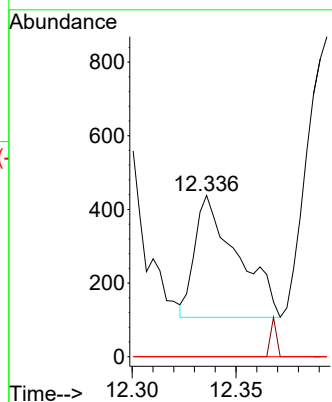
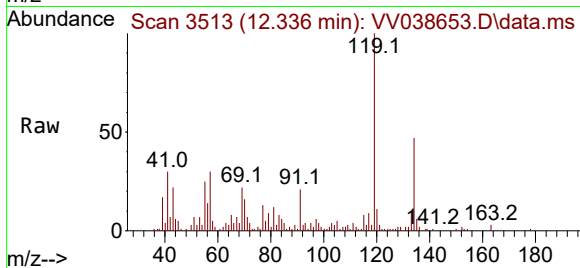




#68
1,2-Dibromo-3-chloropropane
Concen: 0.18 ug/L
RT: 12.336 min Scan# 31
Delta R.T. -0.023 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 468
Ion Ratio Lower Upper
75 100
155 0.0 60.3 90.5#
157 0.0 76.9 115.3#



#71
Naphthalene
Concen: 115.09 ug/L
RT: 13.426 min Scan# 3852
Delta R.T. -0.006 min
Lab File: VV038653.D
Acq: 07 Feb 2025 18:15

Tgt Ion:128 Resp: 3826317
Ion Ratio Lower Upper
128 100
129 11.0 7.6 11.4
127 13.0 10.9 16.3

