

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW020725\
 Data File : VW038652.D
 Acq On : 07 Feb 2025 17:51
 Operator : SY/MD
 Sample : Q1334-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E29B1

Quant Time: Feb 12 13:23:50 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	5.571	114	183161	5.00	ug/L	0.04
28) Chlorobenzene-d5	8.789	117	186127	5.00	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.181	152	90516	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	92252	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.532	69	71572	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.079	65	38376	4.84	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	3.883	46	192830	58.63	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.26%
24) Chloroform-d	4.259	84	147545	4.91	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	4.960	65	70342	5.32	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	4.966	84	280671	5.15	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.034	67	83824	5.19	ug/L	0.05
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.265	98	223414	4.59	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloroprop...	7.577	79	25851	4.36	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.043	63	124004	54.05	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.10%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	65828	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
66) 1,2-Dichlorobenzene-d4	11.554	152	82254	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%
Target Compounds						Qvalue
8) Chloroethane	1.545	64	16874	1.26	ug/L #	57
13) Acetone	2.220	43	22436	9.29	ug/L	66
14) Carbon disulfide	2.259	76	134557	2.62	ug/L	100
15) Methyl Acetate	2.394	43	1814	0.29	ug/L #	66
19) 1,1-Dichloroethane	3.127	63	43824	1.46	ug/L	99
33) Benzene	5.024	78	14351	0.24	ug/L	100
35) Methylcyclohexane	6.034	83	20657	0.87	ug/L #	19
37) 1,2-Dichloropropane	6.034	63	9626	0.65	ug/L #	88
40) 4-Methyl-2-pentanone	7.194	43	43860	5.61	ug/L #	92
42) Toluene	7.339	91	97624	1.56	ug/L	98
48) 2-Hexanone	8.040	43	18971	3.29	ug/L #	64
52) Ethylbenzene	8.953	91	43929	0.66	ug/L	95
53) m,p-Xylene	9.075	106	49626	2.03	ug/L	99
54) o-Xylene	9.480	106	33638	1.41	ug/L	97
60) Isopropylbenzene	9.480	105	16175	0.27	ug/L #	24
62) 1,3,5-Trimethylbenzene	10.477	105	6247	0.13	ug/L	97
63) 1,2,4-Trimethylbenzene	10.477	105	6247	0.13	ug/L	93
71) Naphthalene	13.432	128	287507	12.16	ug/L	98

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Quant Time: Feb 12 13:23:50 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

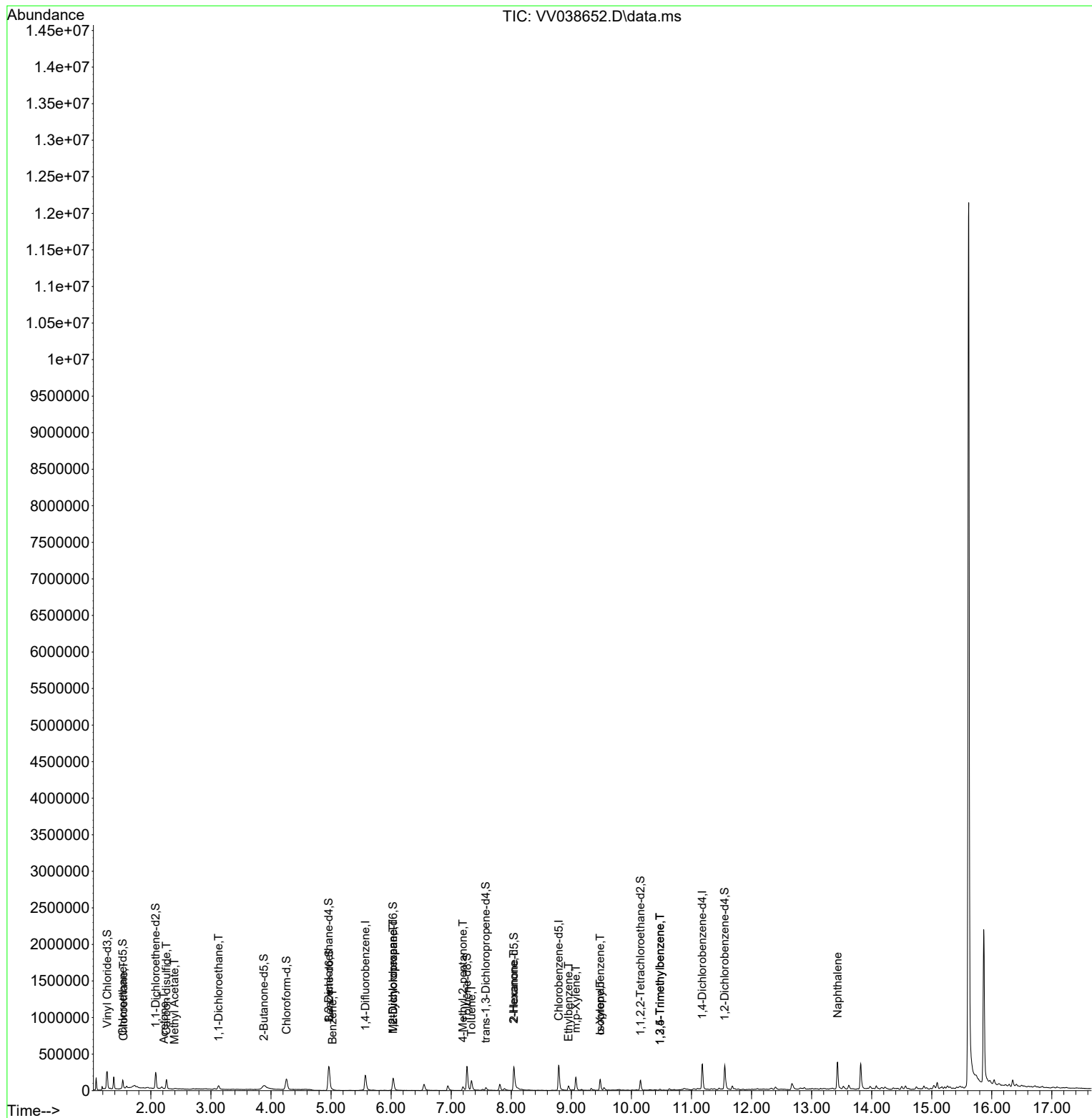
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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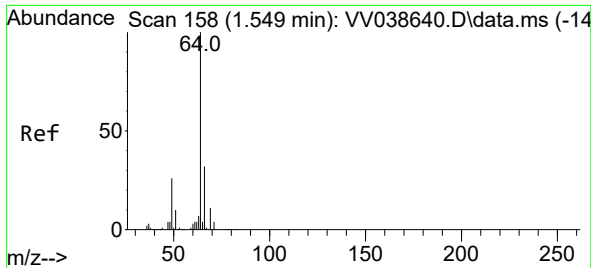
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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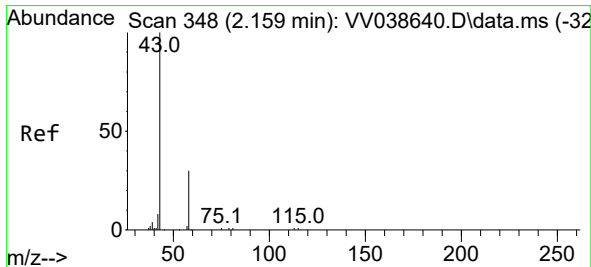
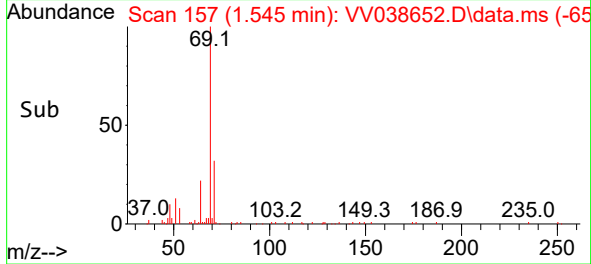
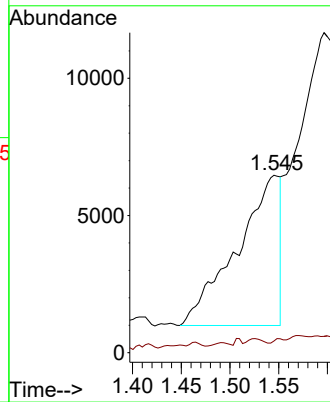
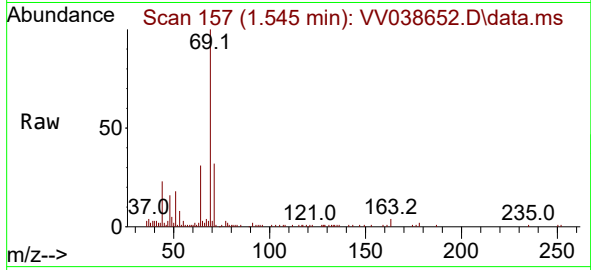




#8
Chloroethane
Concen: 1.26 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

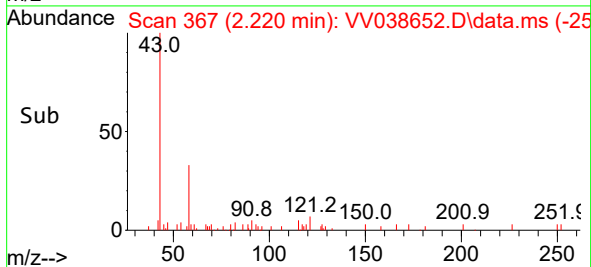
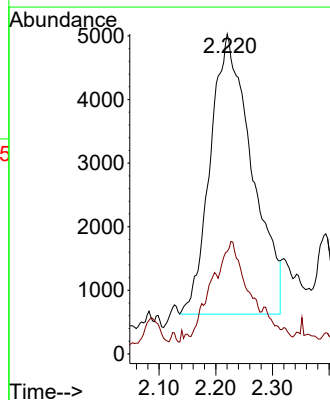
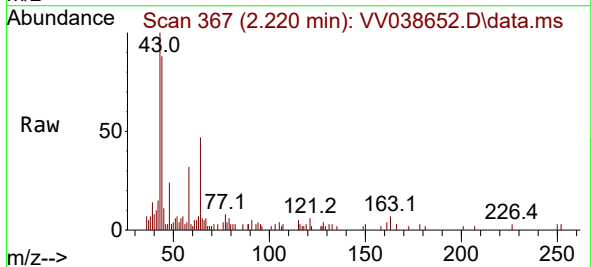
Instrument :
MSVOA_V
ClientSampleId :
E29B1

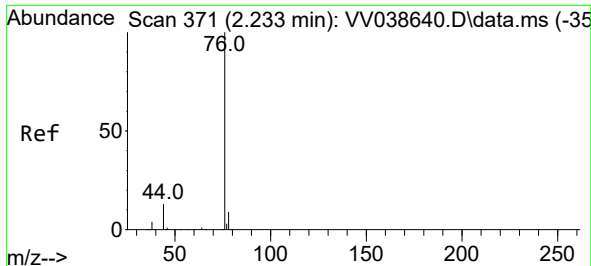
Tgt Ion: 64 Resp: 16874
Ion Ratio Lower Upper
64 100
66 6.6 20.9 38.7#



#13
Acetone
Concen: 9.29 ug/L
RT: 2.220 min Scan# 367
Delta R.T. 0.061 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

Tgt Ion: 43 Resp: 22436
Ion Ratio Lower Upper
43 100
58 14.2 0.0 67.4

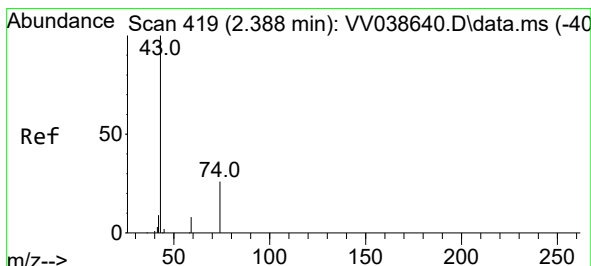
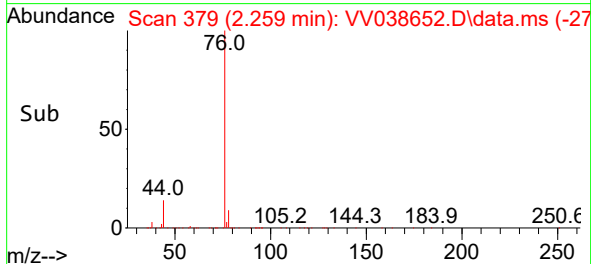
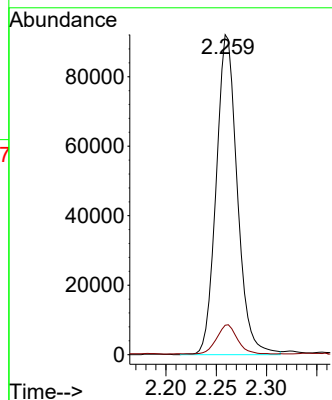
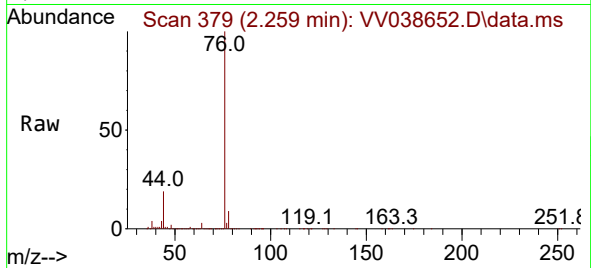




#14
Carbon disulfide
Concen: 2.62 ug/L
RT: 2.259 min Scan# 31
Delta R.T. 0.025 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

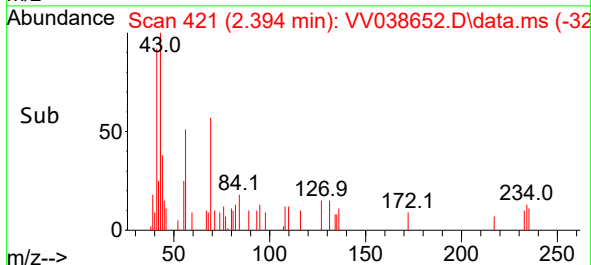
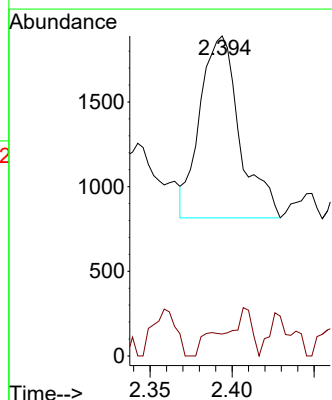
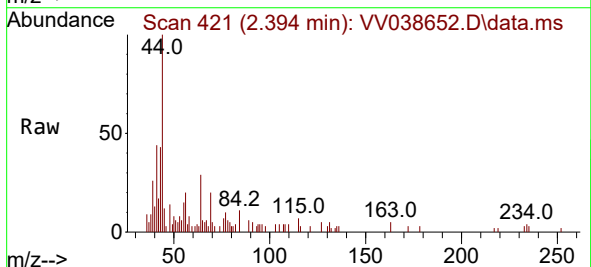
Instrument :
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ClientSampleId :
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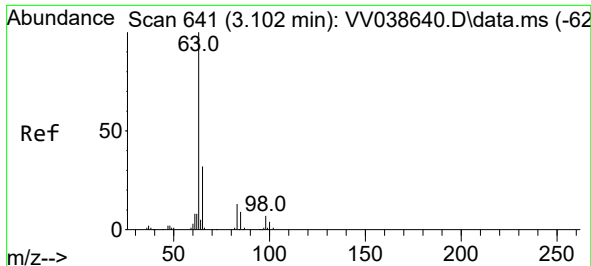
Tgt Ion: 76 Resp: 134557
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#15
Methyl Acetate
Concen: 0.29 ug/L
RT: 2.394 min Scan# 421
Delta R.T. 0.006 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

Tgt Ion: 43 Resp: 1814
Ion Ratio Lower Upper
43 100
74 6.8 18.6 27.8#





#19

1,1-Dichloroethane

Concen: 1.46 ug/L

RT: 3.127 min Scan# 641

Delta R.T. 0.025 min

Lab File: VV038652.D

Acq: 07 Feb 2025 17:51

Instrument :

MSVOA_V

ClientSampleId :

E29B1

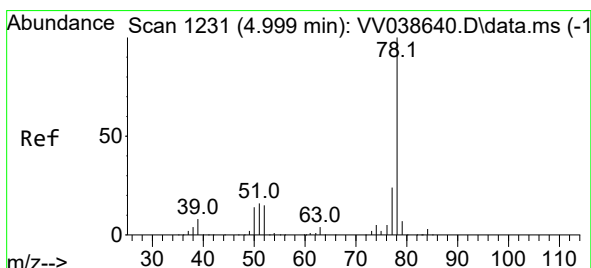
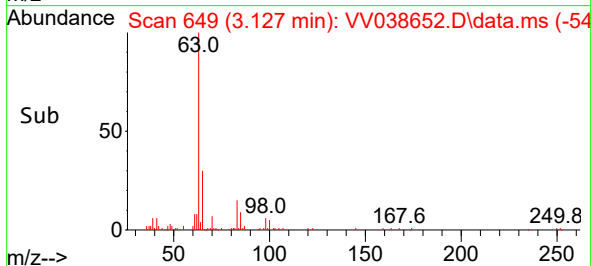
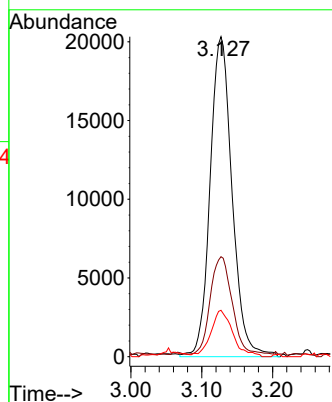
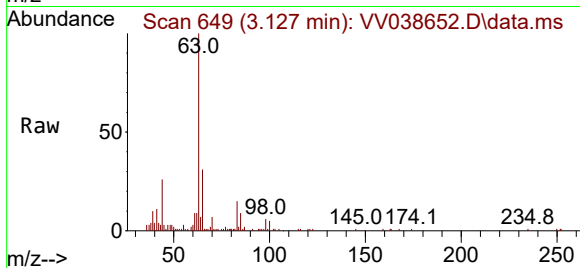
Tgt Ion: 63 Resp: 43824

Ion Ratio Lower Upper

63 100

65 31.3 21.8 40.4

83 14.5 9.2 17.2



#33

Benzene

Concen: 0.24 ug/L

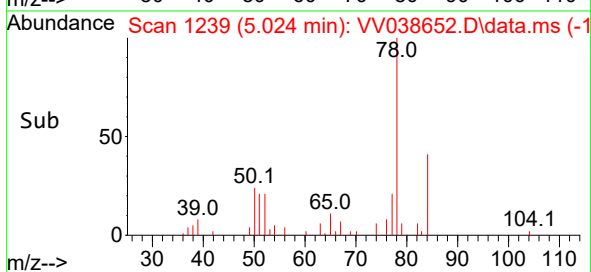
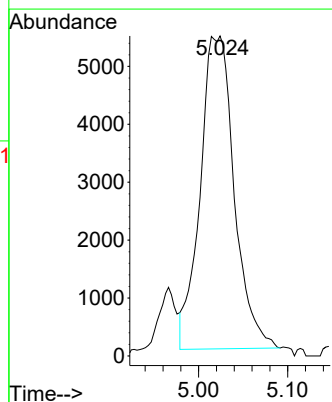
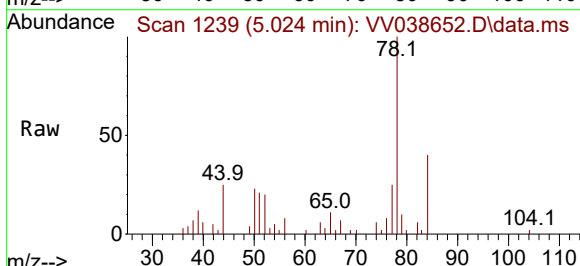
RT: 5.024 min Scan# 1239

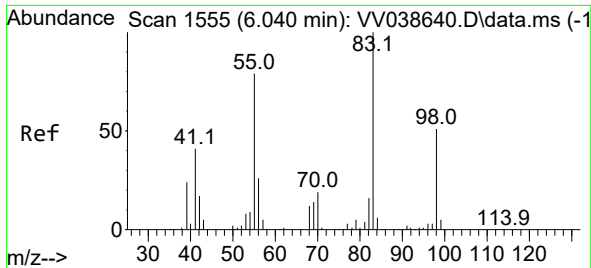
Delta R.T. 0.025 min

Lab File: VV038652.D

Acq: 07 Feb 2025 17:51

Tgt Ion: 78 Resp: 14351

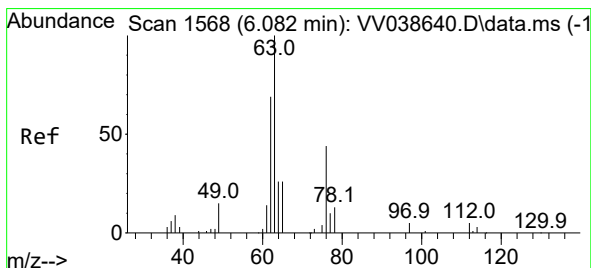
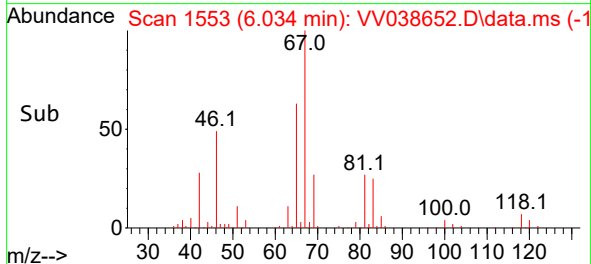
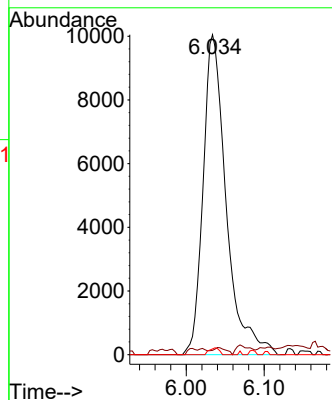
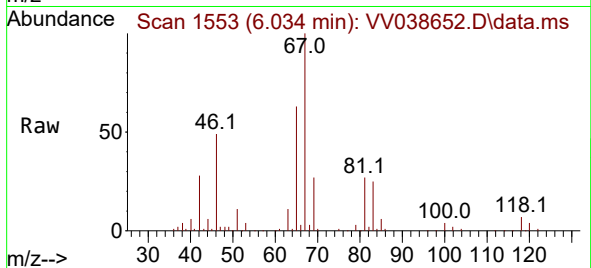




#35
Methylcyclohexane
Concen: 0.87 ug/L
RT: 6.034 min Scan# 1553
Delta R.T. -0.007 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

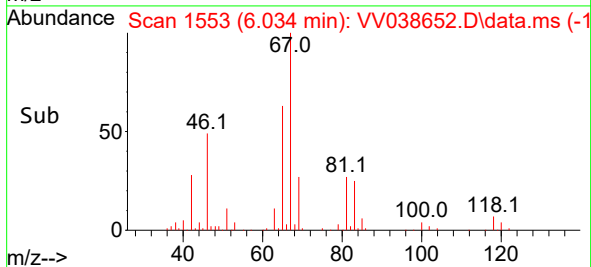
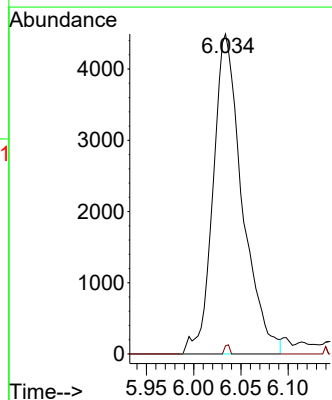
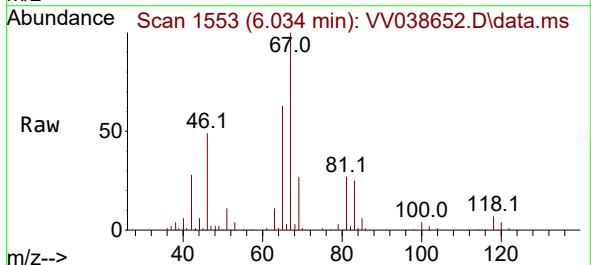
Instrument :
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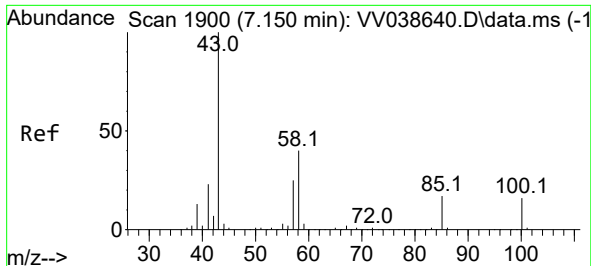
Tgt Ion: 83 Resp: 20657
Ion Ratio Lower Upper
83 100
55 1.2 62.6 94.0#
98 0.9 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.65 ug/L
RT: 6.034 min Scan# 1553
Delta R.T. -0.048 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

Tgt Ion: 63 Resp: 9626
Ion Ratio Lower Upper
63 100
112 0.5 3.6 5.4#





#40

4-Methyl-2-pentanone

Concen: 5.61 ug/L

RT: 7.194 min Scan# 1914

Delta R.T. 0.045 min

Lab File: VV038652.D

Acq: 07 Feb 2025 17:51

Instrument :

MSVOA_V

ClientSampleId :

E29B1

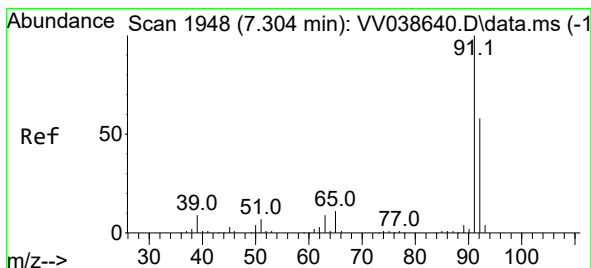
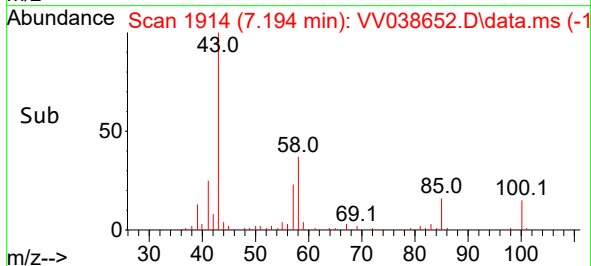
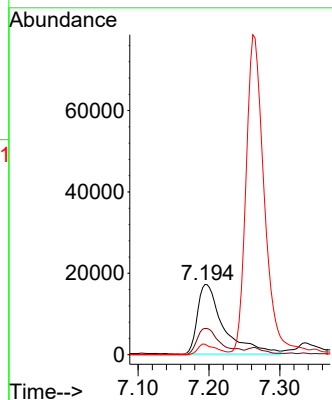
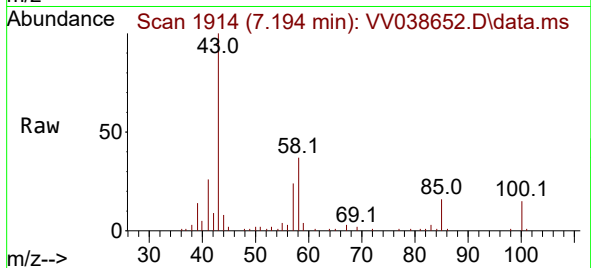
Tgt Ion: 43 Resp: 43860

Ion Ratio Lower Upper

43 100

58 34.2 31.1 46.7

100 10.9 12.0 18.0#



#42

Toluene

Concen: 1.56 ug/L

RT: 7.339 min Scan# 1959

Delta R.T. 0.035 min

Lab File: VV038652.D

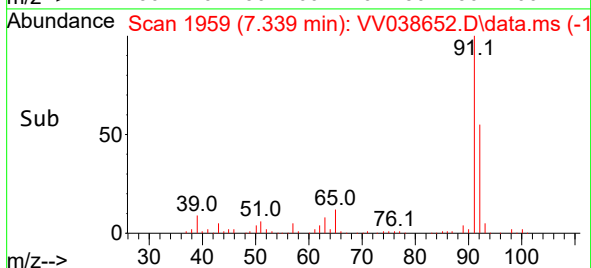
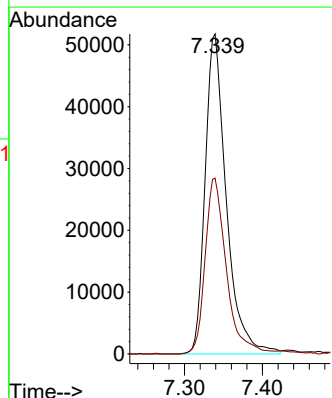
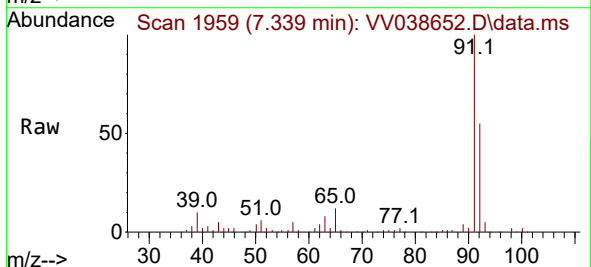
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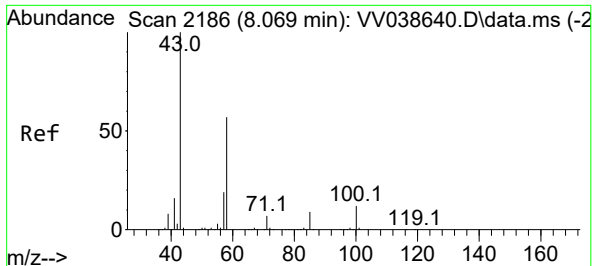
Tgt Ion: 91 Resp: 97624

Ion Ratio Lower Upper

91 100

92 55.0 39.3 72.9

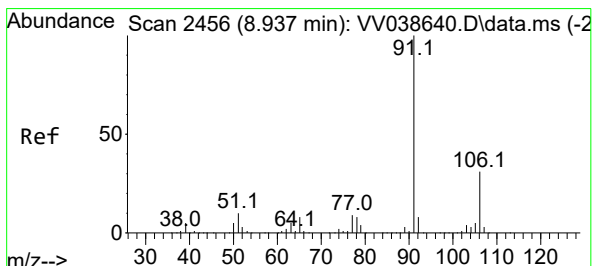
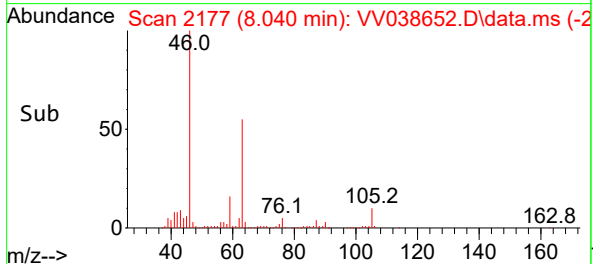
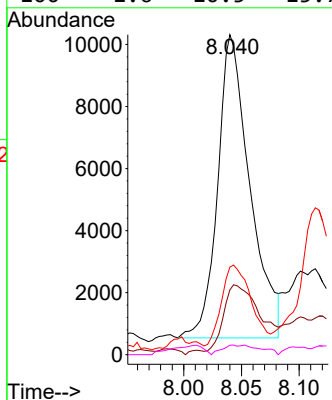
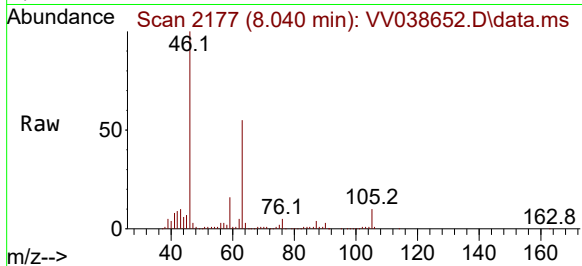




#48
2-Hexanone
Concen: 3.29 ug/L
RT: 8.040 min Scan# 2186
Delta R.T. -0.029 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

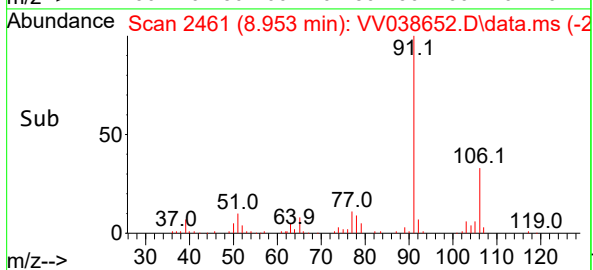
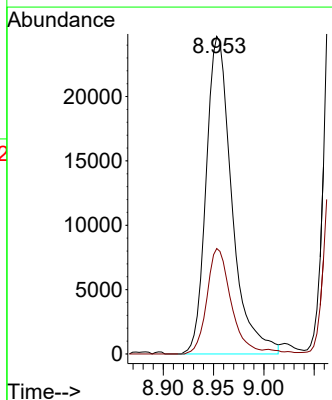
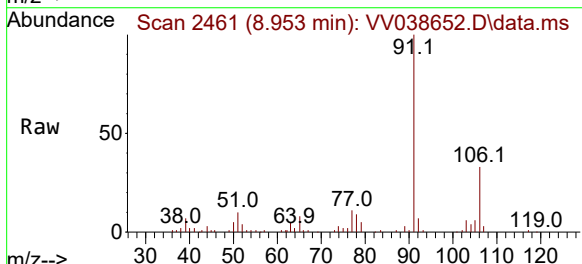
Instrument :
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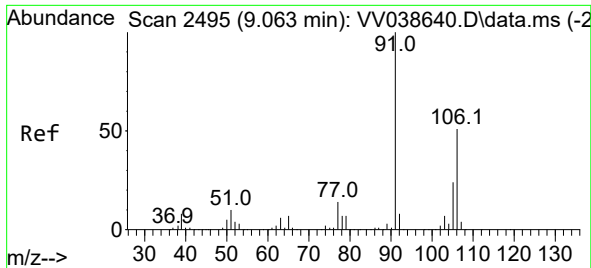
Tgt Ion:	43	Resp:	18971
Ion	Ratio	Lower	Upper
43	100		
58	25.4	46.1	69.1#
57	26.6	15.0	22.6#
100	1.6	10.5	15.7#



#52
Ethylbenzene
Concen: 0.66 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.016 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

Tgt Ion:	91	Resp:	43929
Ion	Ratio	Lower	Upper
91	100		
106	33.2	21.3	39.6

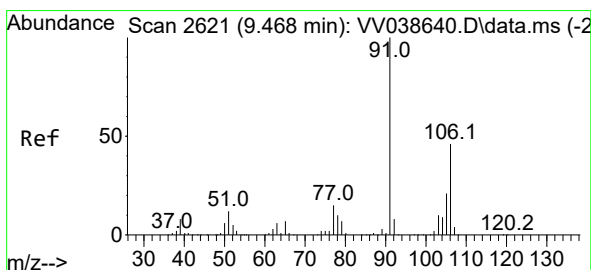
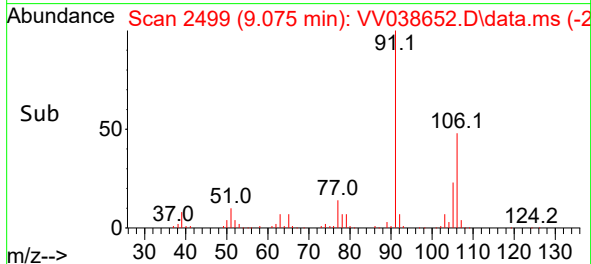
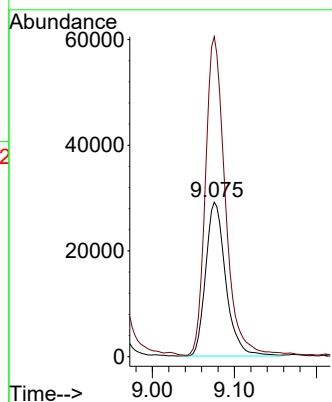
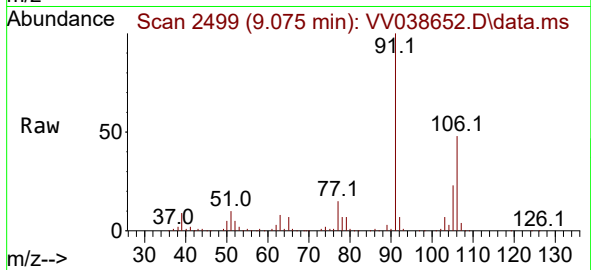




#53
m,p-Xylene
Concen: 2.03 ug/L
RT: 9.075 min Scan# 2495
Delta R.T. 0.013 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

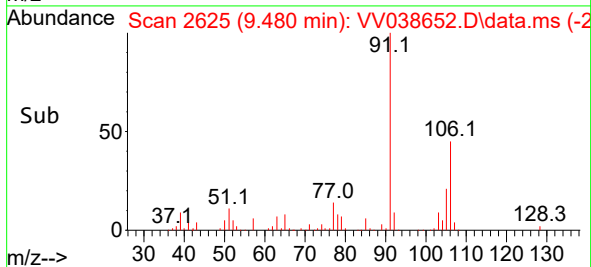
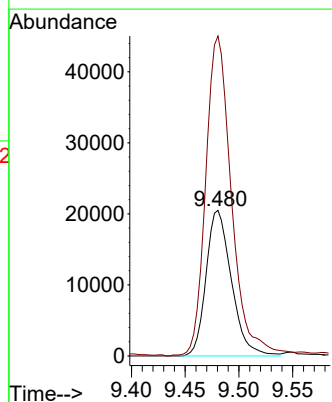
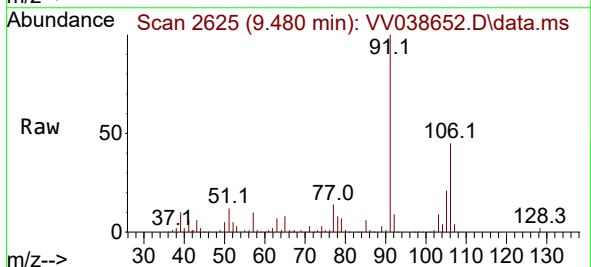
Instrument :
MSVOA_V
ClientSampleId :
E29B1

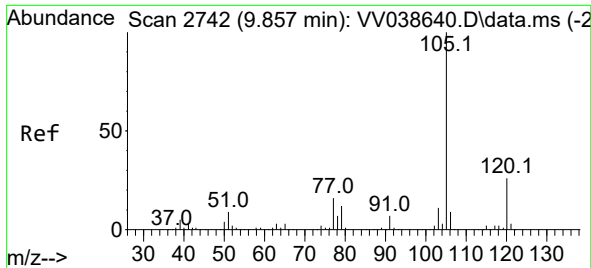
Tgt Ion:106 Resp: 49626
Ion Ratio Lower Upper
106 100
91 207.1 146.3 271.7



#54
o-Xylene
Concen: 1.41 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.013 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

Tgt Ion:106 Resp: 33638
Ion Ratio Lower Upper
106 100
91 219.9 150.8 280.0

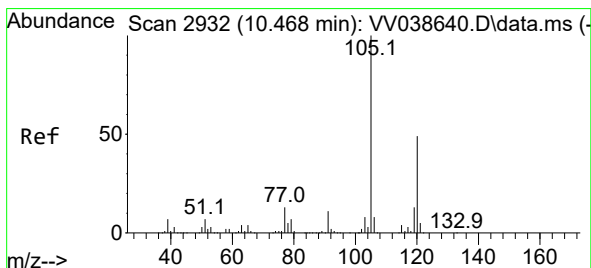
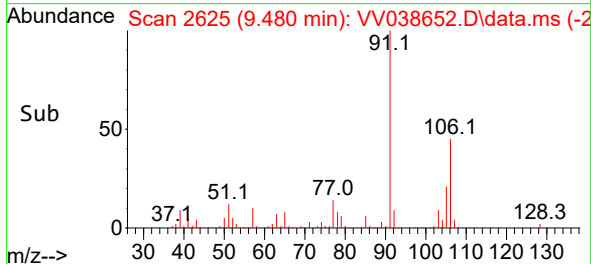
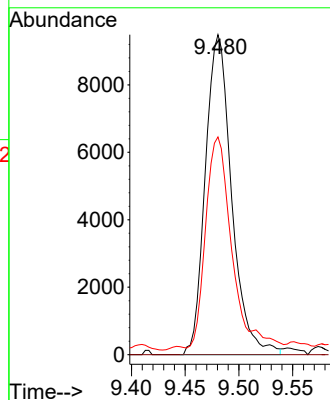
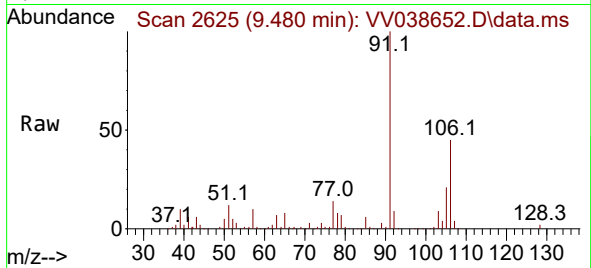




#60
Isopropylbenzene
Concen: 0.27 ug/L
RT: 9.480 min Scan# 21
Delta R.T. -0.376 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

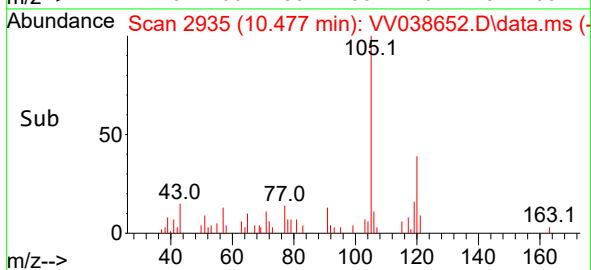
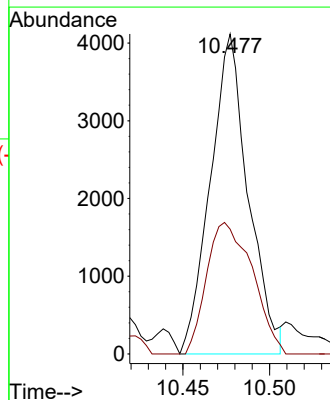
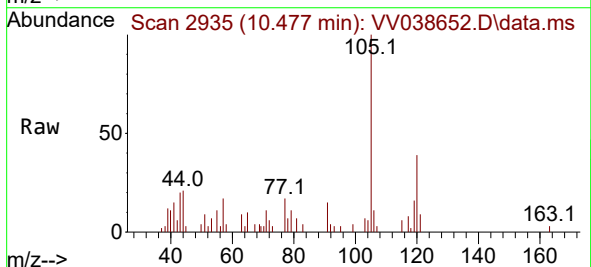
Instrument :
MSVOA_V
ClientSampleId :
E29B1

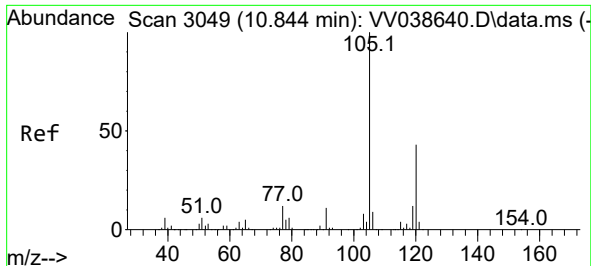
Tgt Ion:105 Resp: 16175
Ion Ratio Lower Upper
105 100
120 0.0 21.0 31.4#
77 64.9 12.2 18.4#



#62
1,3,5-Trimethylbenzene
Concen: 0.13 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. 0.009 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

Tgt Ion:105 Resp: 6247
Ion Ratio Lower Upper
105 100
120 49.8 38.3 57.5

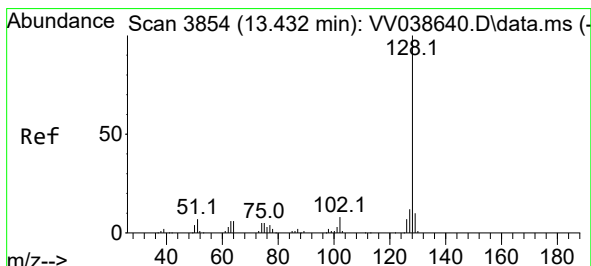
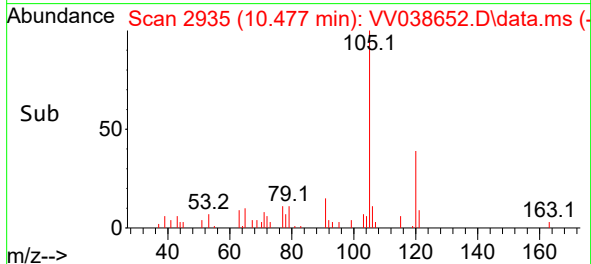
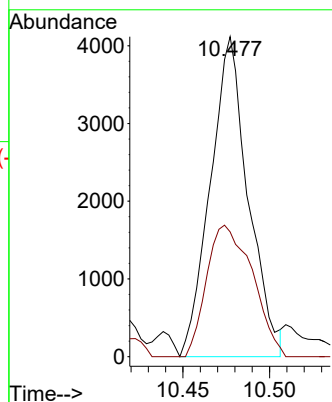
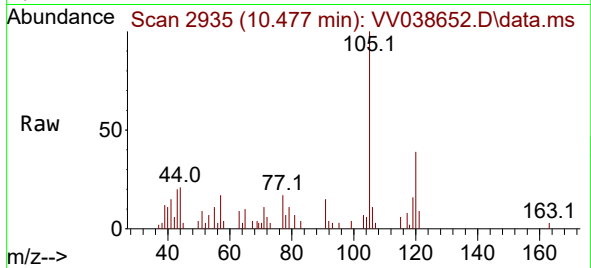




#63
1,2,4-Trimethylbenzene
Concen: 0.13 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. -0.367 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

Instrument :
MSVOA_V
ClientSampleId :
E29B1

Tgt Ion:105 Resp: 6247
Ion Ratio Lower Upper
105 100
120 49.8 36.2 54.2



#71
Naphthalene
Concen: 12.16 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. -0.000 min
Lab File: VV038652.D
Acq: 07 Feb 2025 17:51

Tgt Ion:128 Resp: 287507
Ion Ratio Lower Upper
128 100
129 10.8 7.6 11.4
127 13.0 10.9 16.3

