

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW020725\
 Data File : VW038654.D
 Acq On : 07 Feb 2025 18:39
 Operator : SY/MD
 Sample : Q1334-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E29B4

Quant Time: Feb 12 13:24:19 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	5.529	114	254271	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	252922	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	126723	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	100053	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.529	69	80396	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.050	65	42307	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	3.828	46	156915	34.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.74%
24) Chloroform-d	4.239	84	178493	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	4.937	65	84761	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	4.950	84	348087	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	5.982	67	107774	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.236	98	314978	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloroprop...	7.551	79	41436	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.021	63	190333	61.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.10%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	86693	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
66) 1,2-Dichlorobenzene-d4	11.551	152	117011	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%
Target Compounds						
					Qvalue	
8) Chloroethane	1.326	64	855288	46.02	ug/L #	54
13) Acetone	2.156	43	52535	15.67	ug/L	74
14) Carbon disulfide	2.233	76	104986	1.47	ug/L	100
15) Methyl Acetate	2.368	43	4376	0.51	ug/L #	54
19) 1,1-Dichloroethane	3.104	63	124543	2.99	ug/L	97
33) Benzene	5.008	78	33300	0.42	ug/L	100
38) Bromodichloromethane	6.493	83	5074	0.18	ug/L #	1
40) 4-Methyl-2-pentanone	7.156	43	119750	11.27	ug/L	97
42) Toluene	7.310	91	139399	1.64	ug/L	94
44) trans-1,3-Dichloropropene	7.551	75	1962	0.08	ug/L	84
45) 1,1,2-Trichloroethane	7.786	97	2171	0.14	ug/L #	1
47) Tetrachloroethene	7.902	164	3491	0.22	ug/L	95
48) 2-Hexanone	8.017	43	28285	3.61	ug/L #	63
49) Dibromochloromethane	7.898	129	3535	0.20	ug/L #	11
52) Ethylbenzene	8.947	91	15703	0.17	ug/L	94
53) m,p-Xylene	9.072	106	14711	0.44	ug/L	95
54) o-Xylene	9.474	106	8725	0.27	ug/L	98
61) 1,2,3-Trichloropropane	11.178	75	17497	1.34	ug/L #	68
62) 1,3,5-Trimethylbenzene	10.471	105	16742	0.25	ug/L	100

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

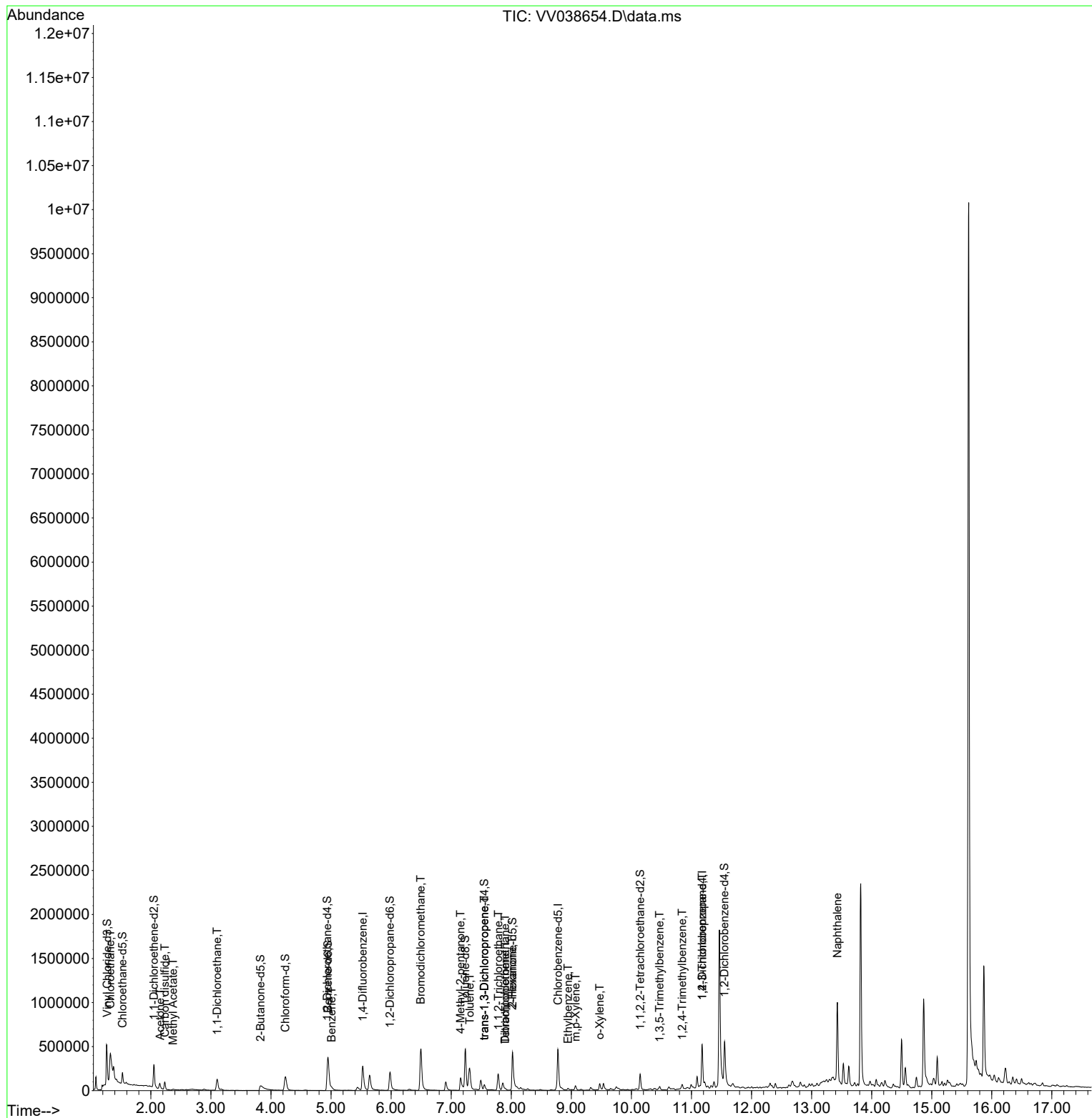
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.847	105	10597	0.16	ug/L	96
71) Naphthalene	13.429	128	718765	21.71	ug/L	96

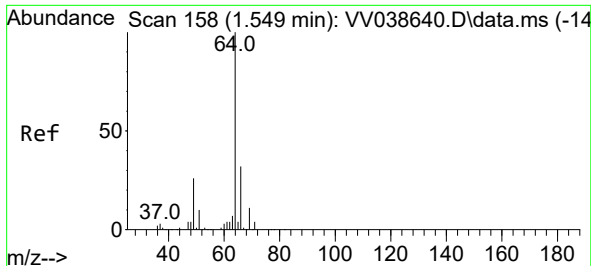
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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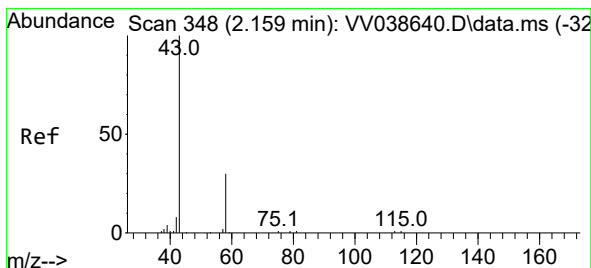
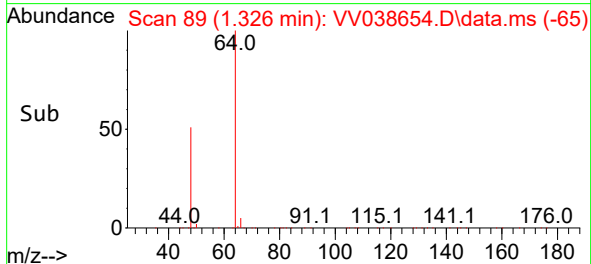
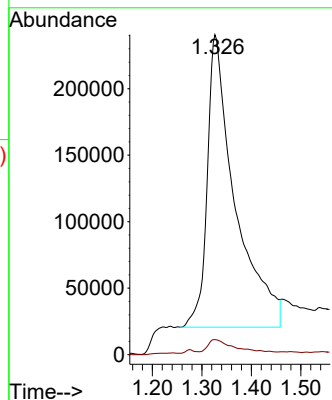
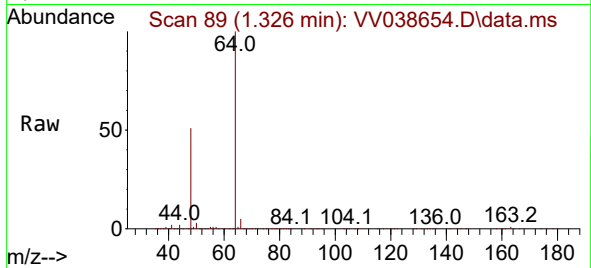




#8
Chloroethane
Concen: 46.02 ug/L
RT: 1.326 min Scan# 89
Delta R.T. -0.222 min
Lab File: VV038654.D
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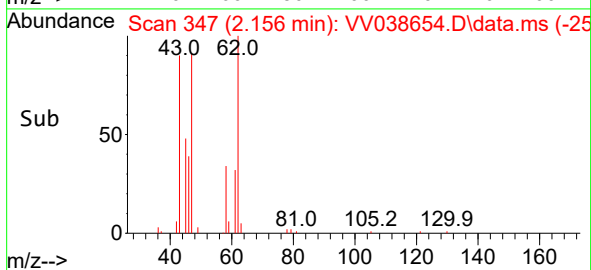
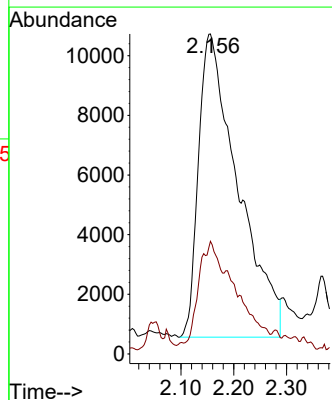
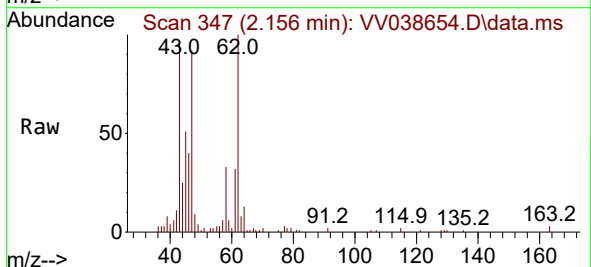
Instrument :
MSVOA_V
ClientSampleId :
E29B4

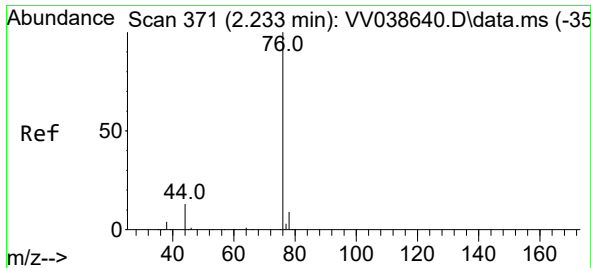
Tgt Ion: 64 Resp: 855288
Ion Ratio Lower Upper
64 100
66 4.7 20.9 38.7#



#13
Acetone
Concen: 15.67 ug/L
RT: 2.156 min Scan# 347
Delta R.T. -0.004 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

Tgt Ion: 43 Resp: 52535
Ion Ratio Lower Upper
43 100
58 19.0 0.0 67.4

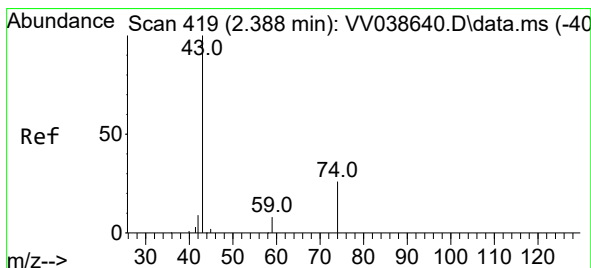
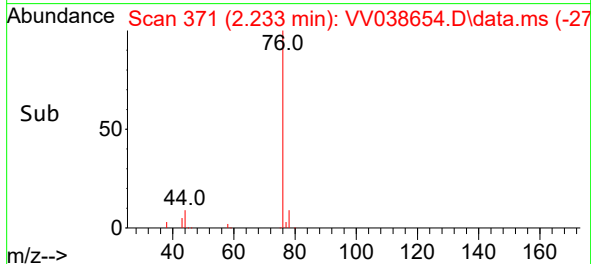
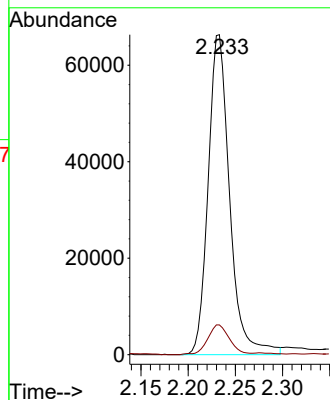
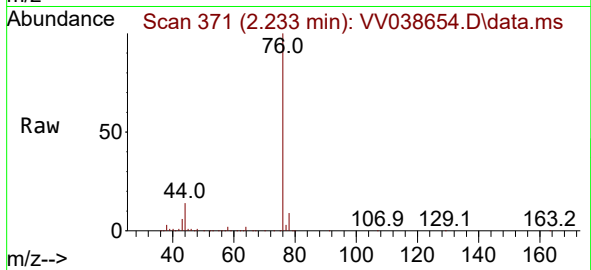




#14
Carbon disulfide
Concen: 1.47 ug/L
RT: 2.233 min Scan# 371
Delta R.T. -0.000 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

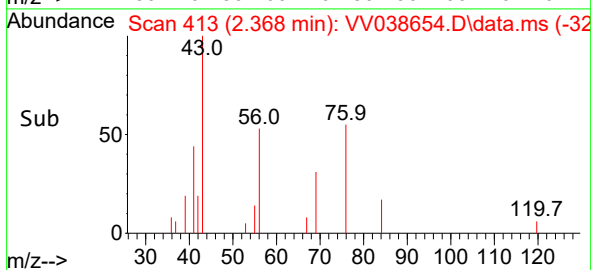
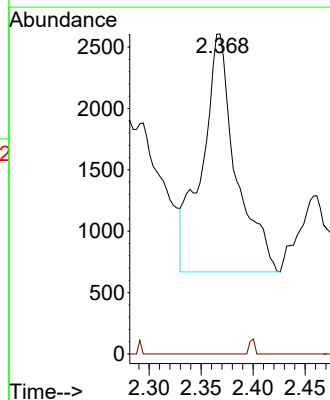
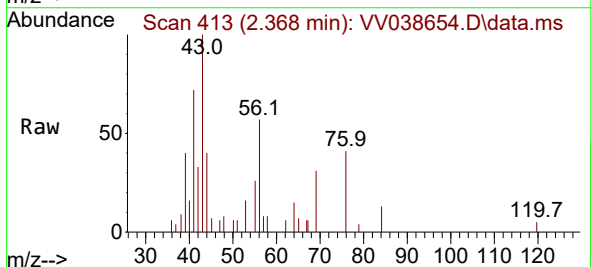
Instrument :
MSVOA_V
ClientSampleId :
E29B4

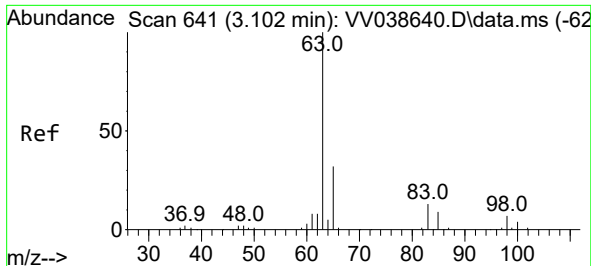
Tgt Ion: 76 Resp: 104986
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#15
Methyl Acetate
Concen: 0.51 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.020 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

Tgt Ion: 43 Resp: 4376
Ion Ratio Lower Upper
43 100
74 1.0 18.6 27.8#

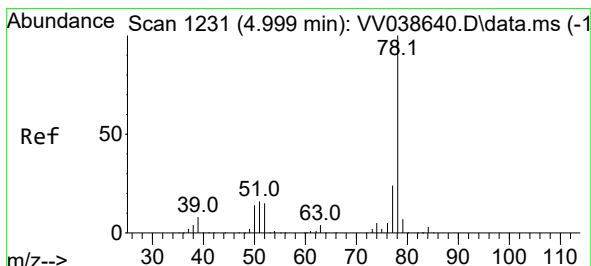
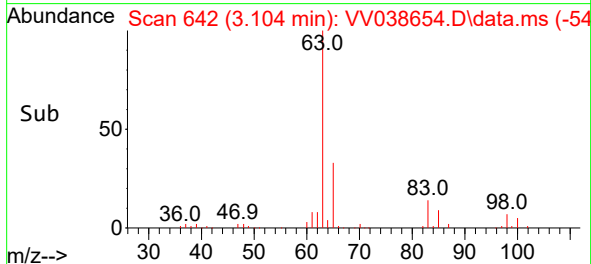
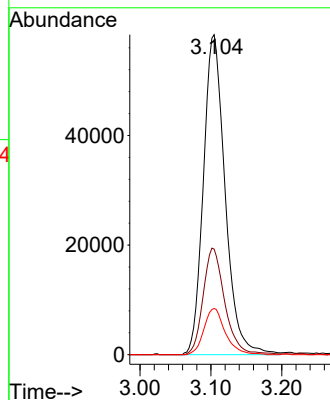
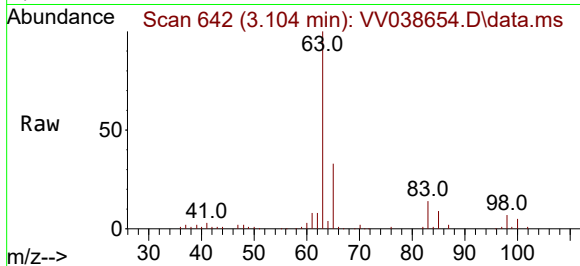




#19
1,1-Dichloroethane
Concen: 2.99 ug/L
RT: 3.104 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

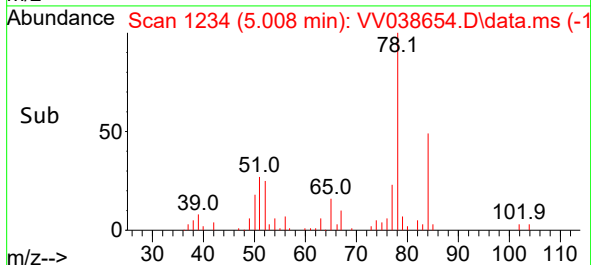
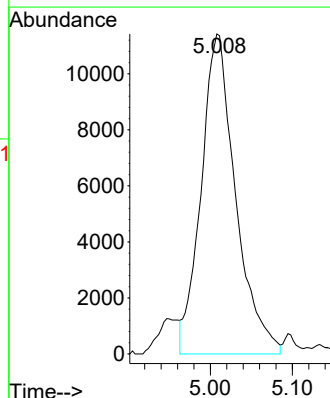
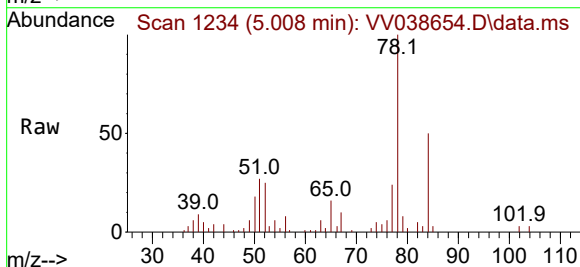
Instrument :
MSVOA_V
ClientSampleId :
E29B4

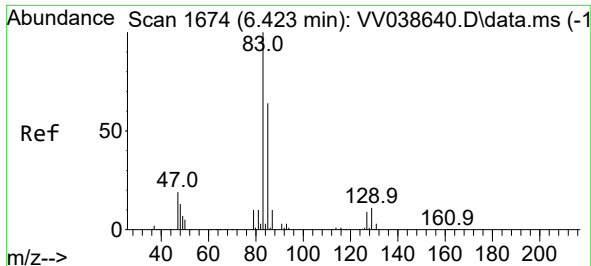
Tgt Ion: 63 Resp: 124543
Ion Ratio Lower Upper
63 100
65 33.0 21.8 40.4
83 14.4 9.2 17.2



#33
Benzene
Concen: 0.42 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.009 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

Tgt Ion: 78 Resp: 33300

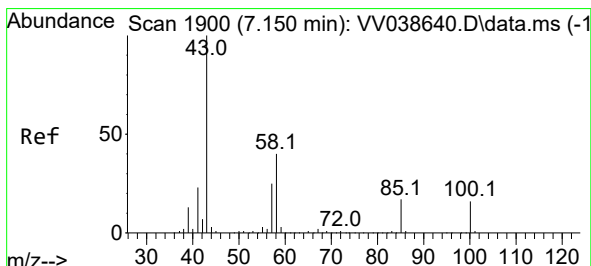
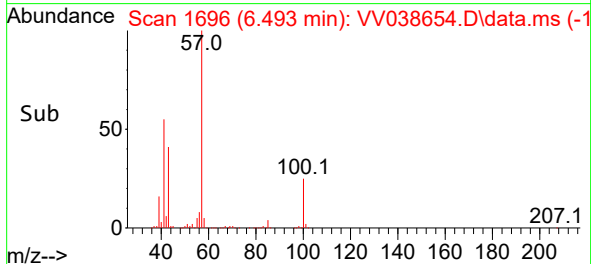
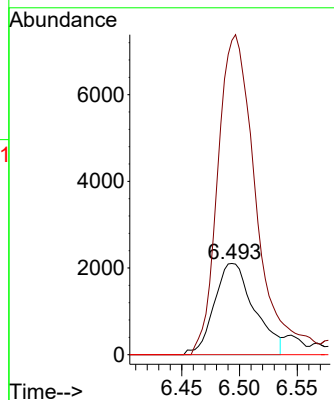
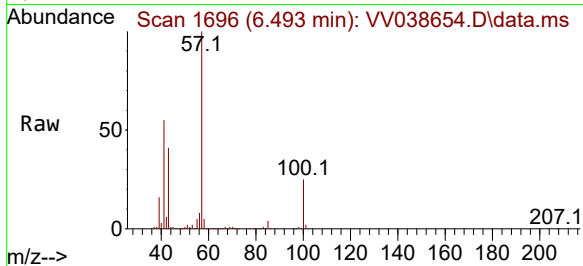




#38
Bromodichloromethane
Concen: 0.18 ug/L
RT: 6.493 min Scan# 1
Delta R.T. 0.070 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

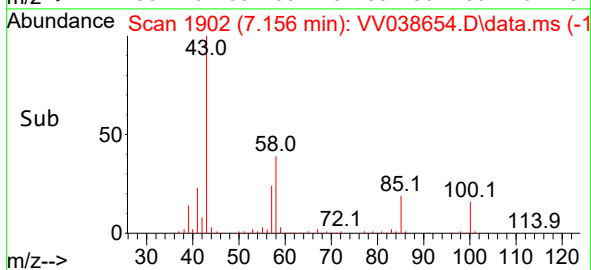
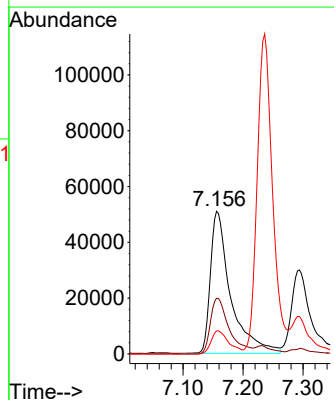
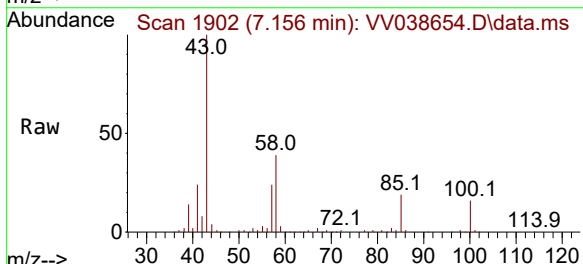
Instrument :
MSVOA_V
ClientSampleId :
E29B4

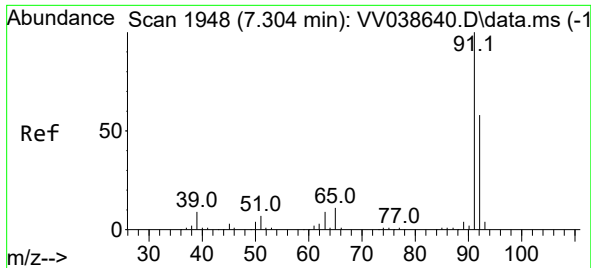
Tgt Ion: 83 Resp: 5074
Ion Ratio Lower Upper
83 100
85 344.5 44.0 81.6#
127 0.0 6.2 9.4#



#40
4-Methyl-2-pentanone
Concen: 11.27 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

Tgt Ion: 43 Resp: 119750
Ion Ratio Lower Upper
43 100
58 36.5 31.1 46.7
100 14.5 12.0 18.0





#42

Toluene

Concen: 1.64 ug/L

RT: 7.310 min Scan# 1948

Delta R.T. 0.006 min

Lab File: VV038654.D

Acq: 07 Feb 2025 18:39

Instrument :

MSVOA_V

ClientSampleId :

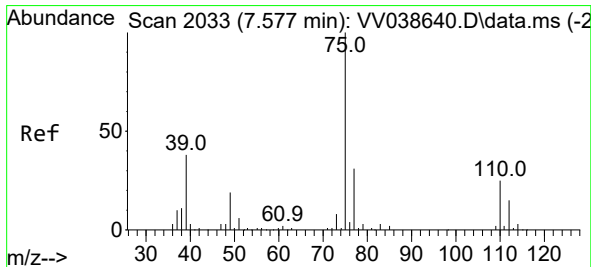
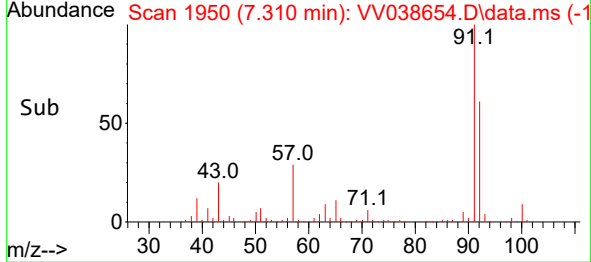
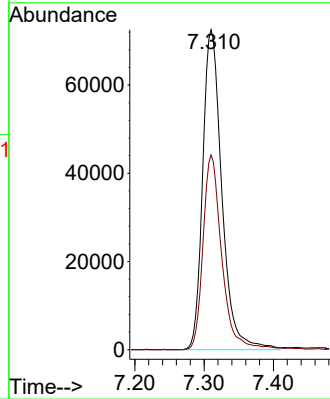
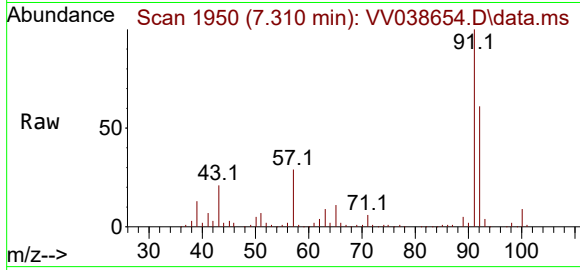
E29B4

Tgt Ion: 91 Resp: 139399

Ion Ratio Lower Upper

91 100

92 60.8 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 0.08 ug/L

RT: 7.551 min Scan# 2025

Delta R.T. -0.026 min

Lab File: VV038654.D

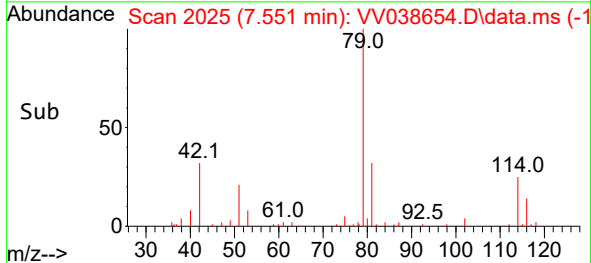
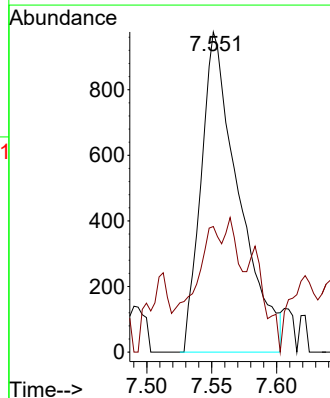
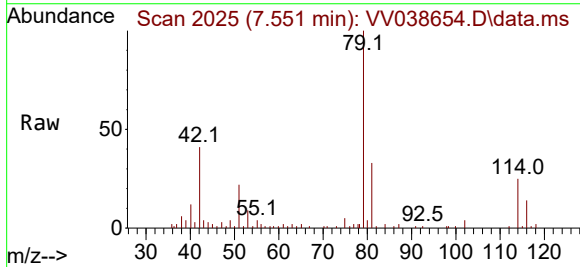
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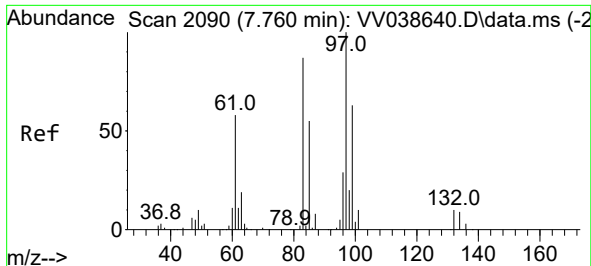
Tgt Ion: 75 Resp: 1962

Ion Ratio Lower Upper

75 100

77 39.2 21.4 39.8

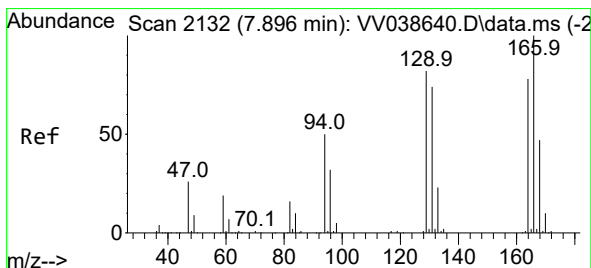
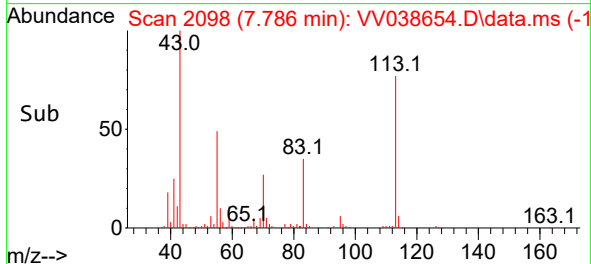
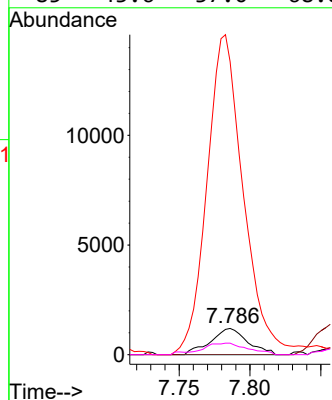
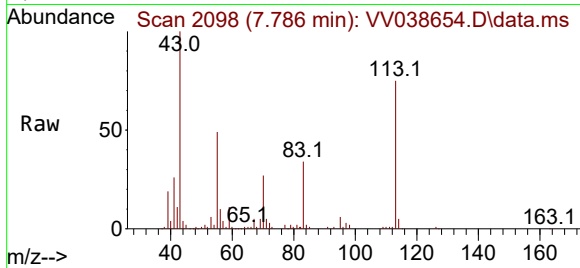




#45
1,1,2-Trichloroethane
Concen: 0.14 ug/L
RT: 7.786 min Scan# 2098
Delta R.T. 0.025 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

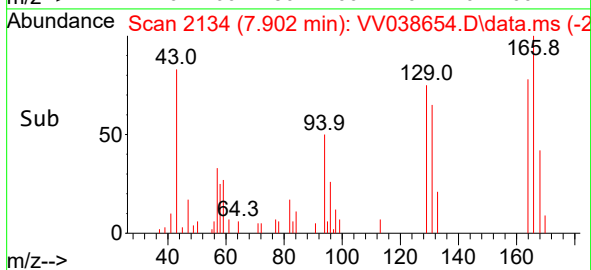
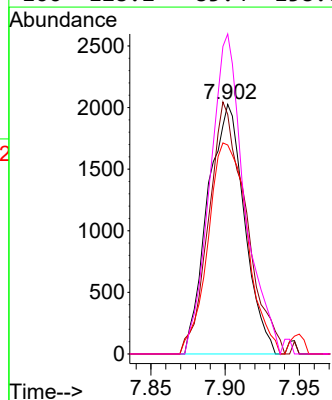
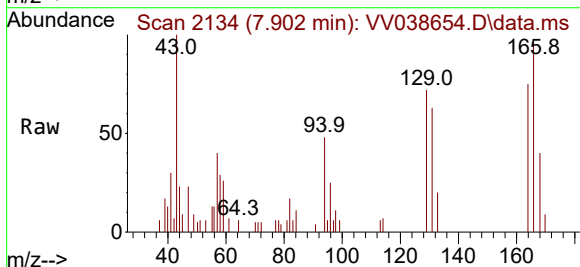
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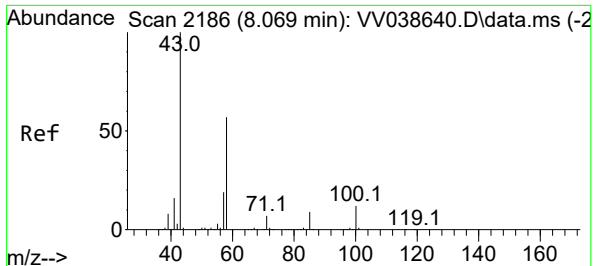
Tgt Ion: 97 Resp: 2171
Ion Ratio Lower Upper
97 100
99 0.0 42.7 79.3#
83 1114.3 57.2 106.2#
85 43.6 37.0 68.8



#47
Tetrachloroethene
Concen: 0.22 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

Tgt Ion: 164 Resp: 3491
Ion Ratio Lower Upper
164 100
129 96.0 66.3 123.1
131 83.7 63.2 117.4
166 128.2 85.4 158.6

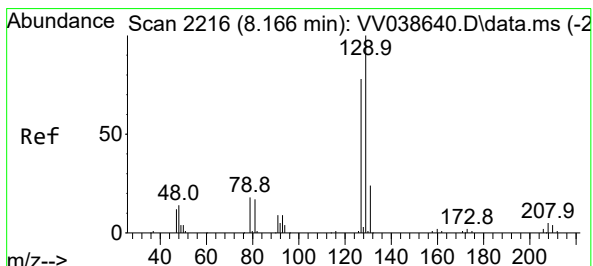
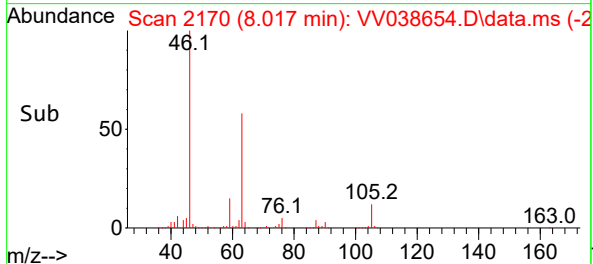
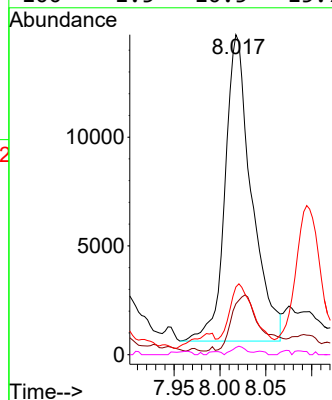
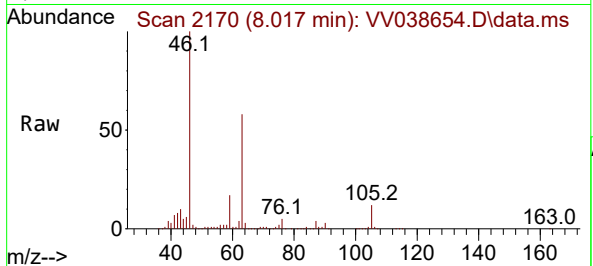




#48
2-Hexanone
Concen: 3.61 ug/L
RT: 8.017 min Scan# 2186
Delta R.T. -0.052 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

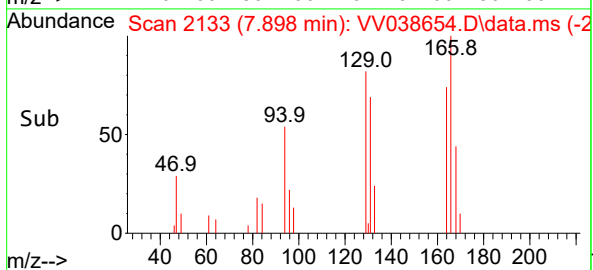
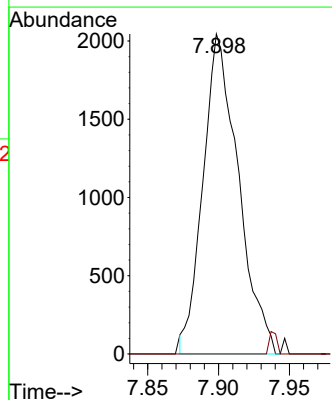
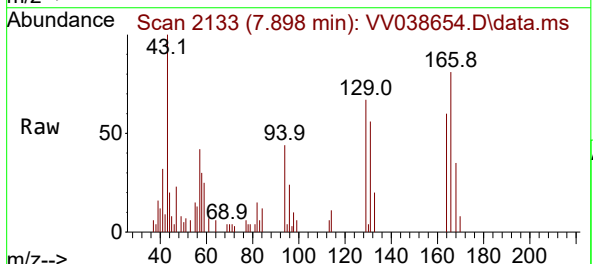
Instrument : MSVOA_V
ClientSampleId : E29B4

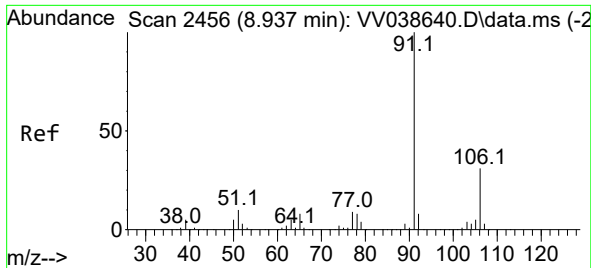
Tgt Ion: 43 Resp: 28285
Ion Ratio Lower Upper
43 100
58 19.5 46.1 69.1#
57 18.7 15.0 22.6
100 1.5 10.5 15.7#



#49
Dibromochloromethane
Concen: 0.20 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. -0.267 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

Tgt Ion: 129 Resp: 3535
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#

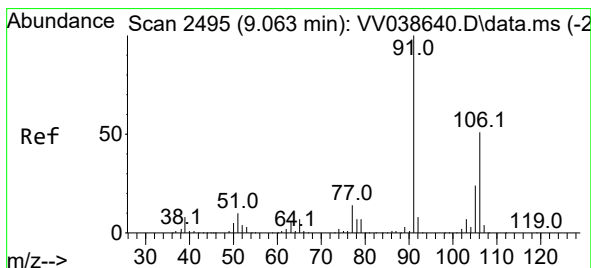
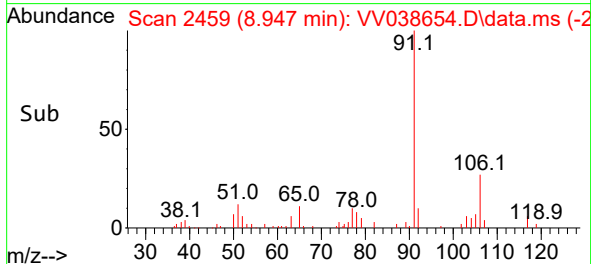
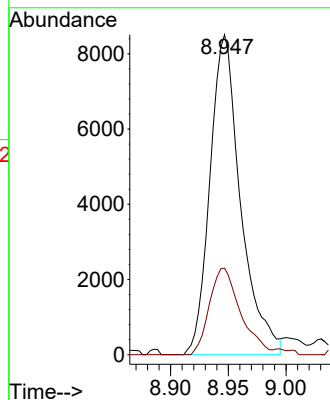
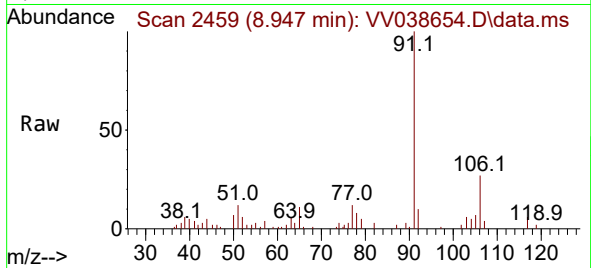




#52
Ethylbenzene
Concen: 0.17 ug/L
RT: 8.947 min Scan# 2456
Delta R.T. 0.009 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

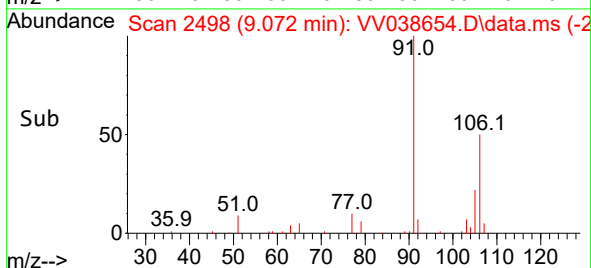
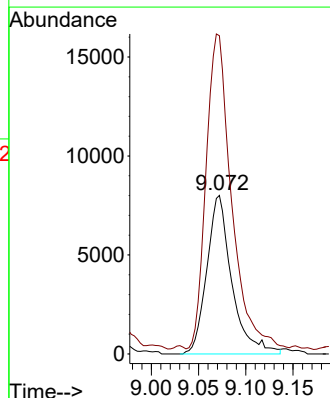
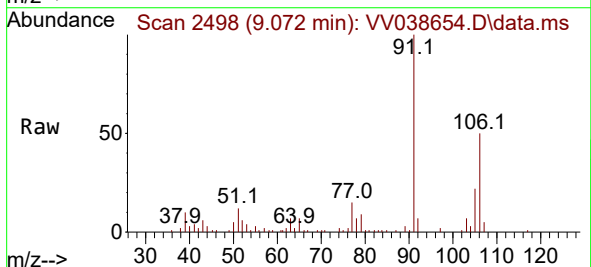
Instrument :
MSVOA_V
ClientSampleId :
E29B4

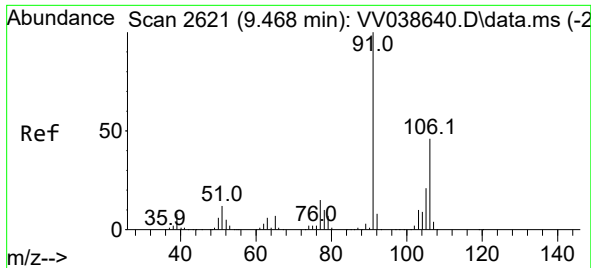
Tgt Ion: 91 Resp: 15703
Ion Ratio Lower Upper
91 100
106 27.1 21.3 39.6



#53
m,p-Xylene
Concen: 0.44 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.009 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

Tgt Ion: 106 Resp: 14711
Ion Ratio Lower Upper
106 100
91 200.7 146.3 271.7

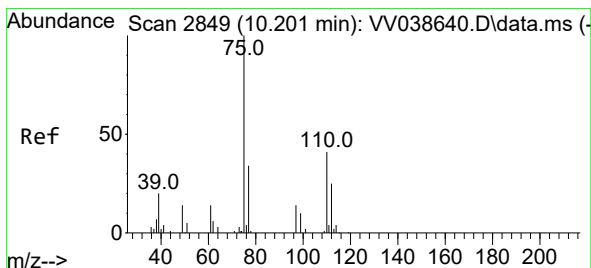
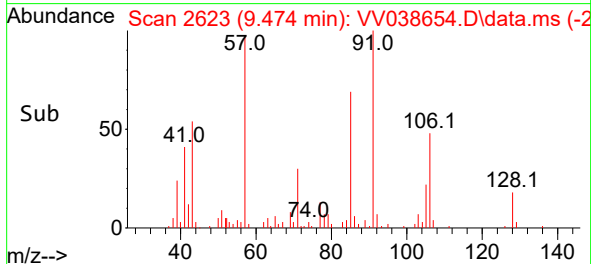
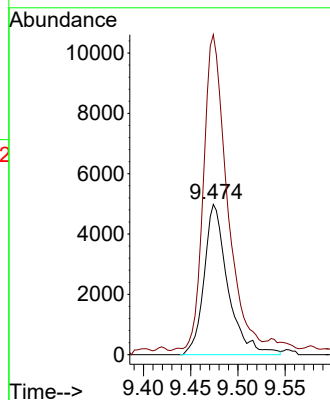
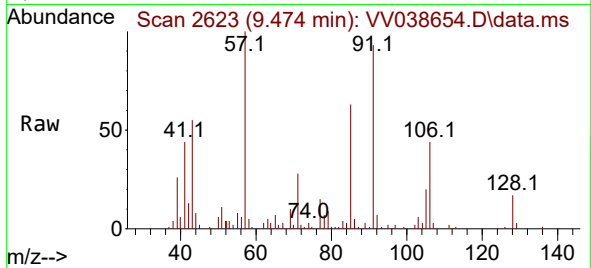




#54
o-Xylene
Concen: 0.27 ug/L
RT: 9.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

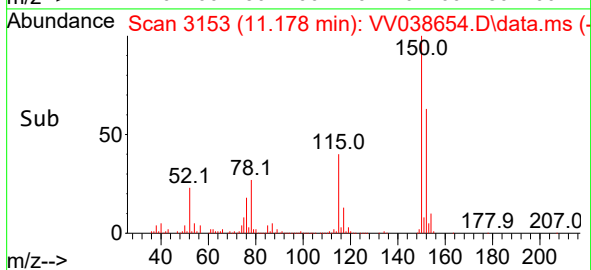
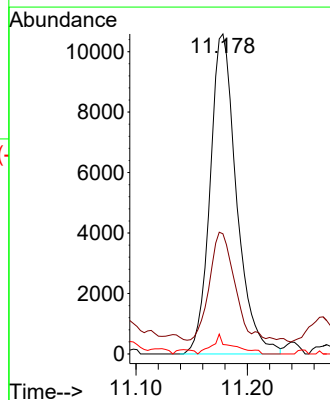
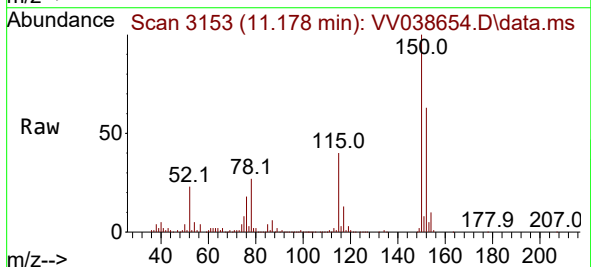
Instrument :
MSVOA_V
ClientSampleId :
E29B4

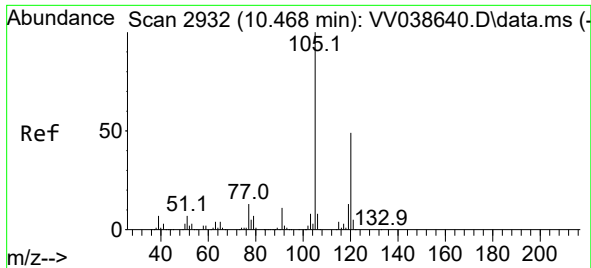
Tgt Ion:106 Resp: 8725
Ion Ratio Lower Upper
106 100
91 212.9 150.8 280.0



#61
1,2,3-Trichloropropane
Concen: 1.34 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.977 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

Tgt Ion: 75 Resp: 17497
Ion Ratio Lower Upper
75 100
77 33.9 25.5 38.3
110 4.4 30.9 46.3#

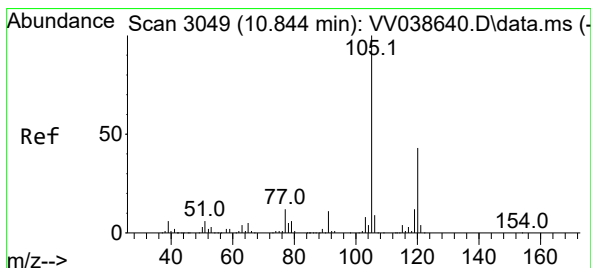
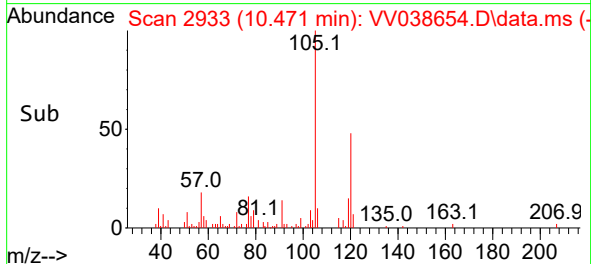
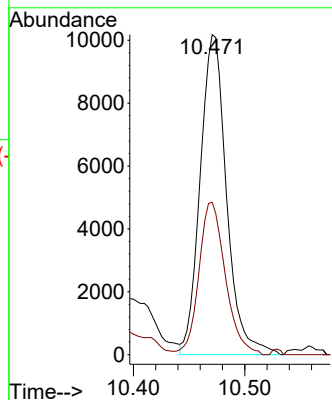
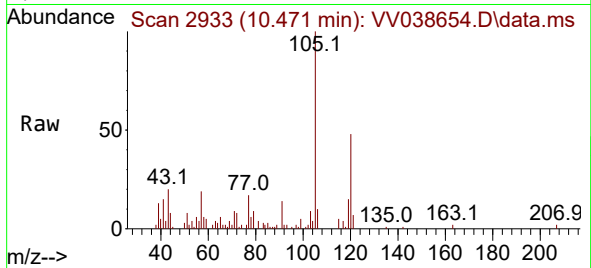




#62
1,3,5-Trimethylbenzene
Concen: 0.25 ug/L
RT: 10.471 min Scan# 2932
Delta R.T. 0.003 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

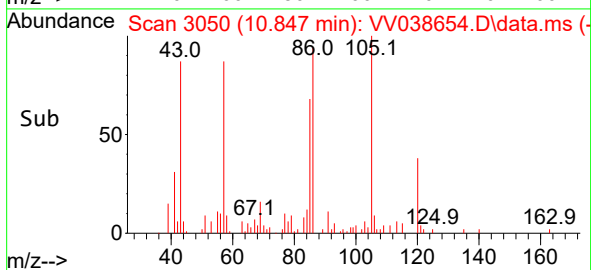
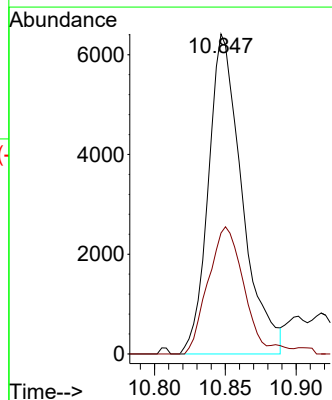
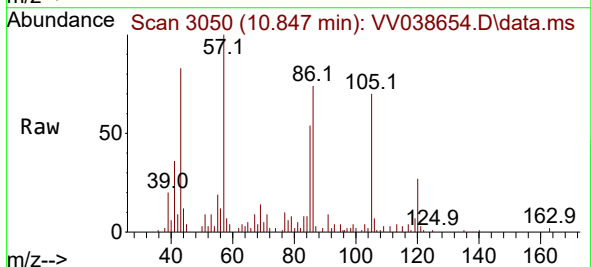
Instrument :
MSVOA_V
ClientSampleId :
E29B4

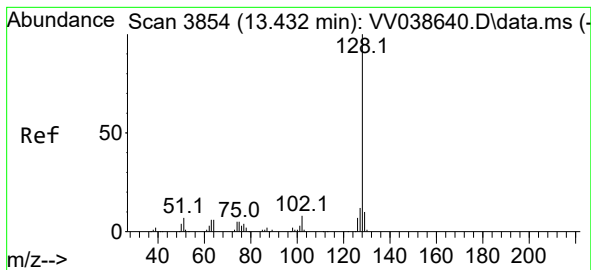
Tgt Ion:105 Resp: 16742
Ion Ratio Lower Upper
105 100
120 47.8 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 0.16 ug/L
RT: 10.847 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VV038654.D
Acq: 07 Feb 2025 18:39

Tgt Ion:105 Resp: 10597
Ion Ratio Lower Upper
105 100
120 42.8 36.2 54.2





#71

Naphthalene

Concen: 21.71 ug/L

RT: 13.429 min Scan# 3853

Delta R.T. -0.004 min

Lab File: VV038654.D

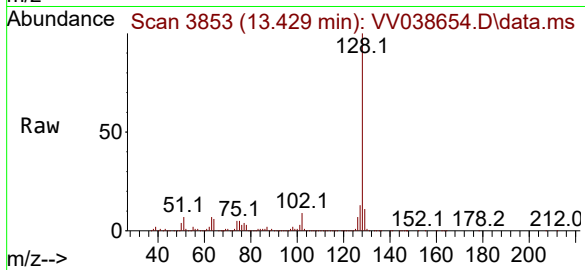
Acq: 07 Feb 2025 18:39

Instrument :

MSVOA_V

ClientSampleId :

E29B4



Tgt Ion:128 Resp: 718765

Ion Ratio Lower Upper

128 100

129 11.1 7.6 11.4

127 12.3 10.9 16.3

