

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020924\
 Data File : VW034116.D
 Acq On : 09 Feb 2024 16:51
 Operator : SY/MD
 Sample : P1384-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 09 23:16:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 09 22:58:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	74361	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	69979	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	36308	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	25242	4.383	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.532	69	21461	4.254	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.060	65	12532	4.512	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	3.793	46	44549	46.059	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.120%
24) Chloroform-d	4.253	84	45506	4.348	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	4.947	65	23573	4.820	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	4.963	84	90567	4.314	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	5.992	67	25994	4.429	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.246	98	85203	4.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
43) trans-1,3-Dichloroprop...	7.561	79	10398	4.692	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.024	63	40275	50.910	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.820%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	17043	4.790	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	11.561	152	30918	4.682	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
13) Acetone	2.114	43	3583	4.883	ug/L #	47
15) Methyl Acetate	2.439	43	416	0.240	ug/L #	53
22) cis-1,2-Dichloroethene	3.818	96	1960	0.327	ug/L	82
33) Benzene	5.021	78	2092	0.100	ug/L	100
34) Trichloroethene	5.847	95	2309	0.380	ug/L	89
35) Methylcyclohexane	6.050	83	1950	0.205	ug/L #	67
37) 1,2-Dichloropropane	5.992	63	3371	0.663	ug/L #	87
42) Toluene	7.320	91	44512	1.984	ug/L	92
47) Tetrachloroethene	7.915	164	836	0.169	ug/L	79
49) Dibromochloromethane	7.912	129	707	0.190	ug/L #	11
51) Chlorobenzene	8.821	112	2730	0.192	ug/L #	87
52) Ethylbenzene	8.960	91	2158	0.084	ug/L	90
53) m,p-Xylene	9.085	106	1159	0.119	ug/L	91
61) 1,2,3-Trichloropropane	11.188	75	4417	1.770	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.863	105	2060	0.091	ug/L	98
63) 1,2,4-Trimethylbenzene	10.863	105	2060	0.093	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	1903	0.189	ug/L	95

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 09 22:58:56 2024
Response via : Initial Calibration

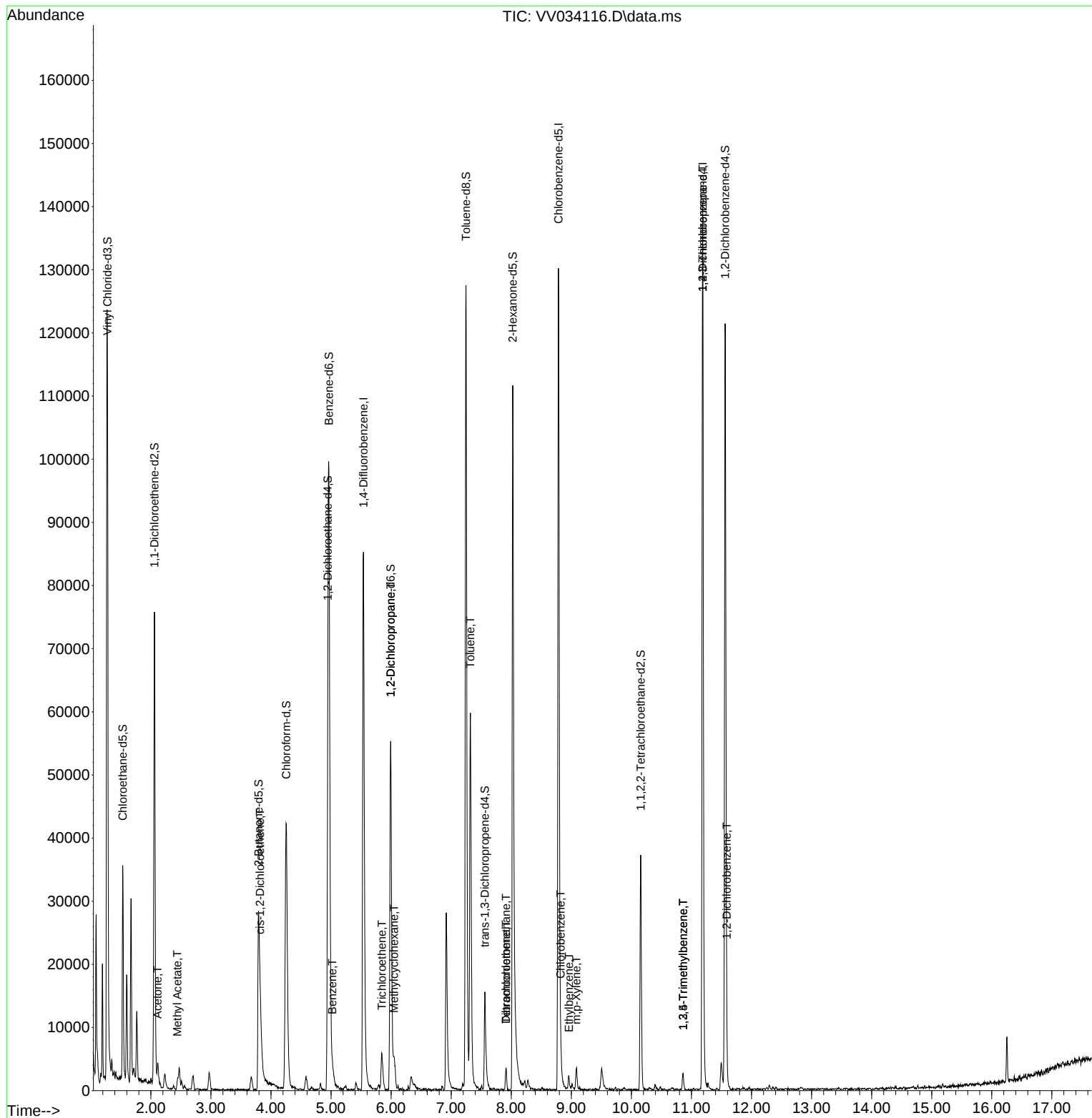
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

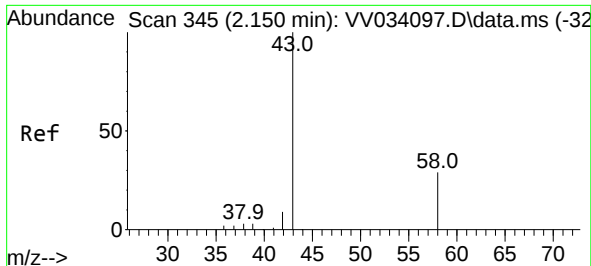
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Fri Feb 09 22:58:56 2024
Response via : Initial Calibration





#13

Acetone

Concen: 4.883 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.035 min

Lab File: VV034116.D

Acq: 09 Feb 2024 16:51

Instrument :

MSVOA_V

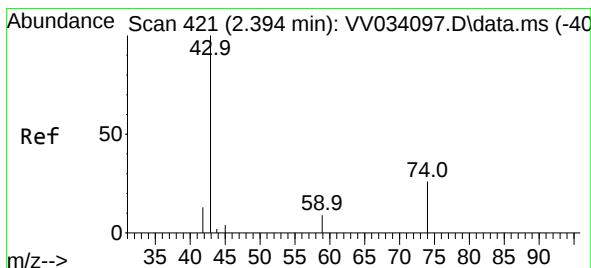
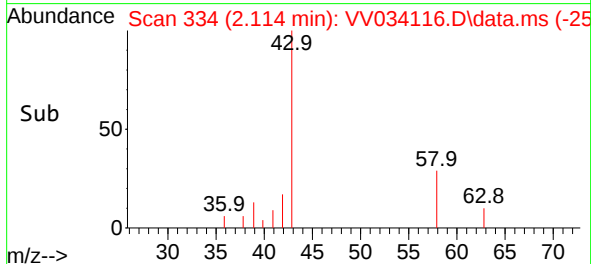
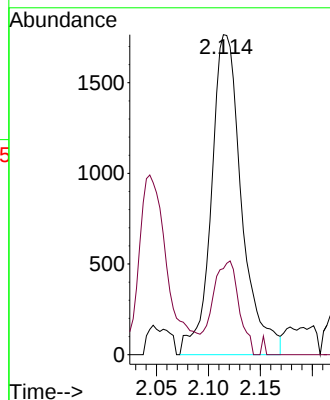
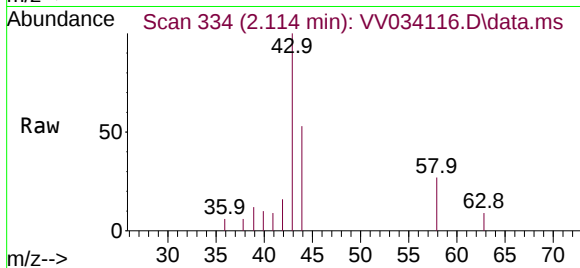
ClientSampleId :

Tgt Ion: 43 Resp: 3583

Ion Ratio Lower Upper

43 100

58 25.2 0.0 13.8#



#15

Methyl Acetate

Concen: 0.240 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.045 min

Lab File: VV034116.D

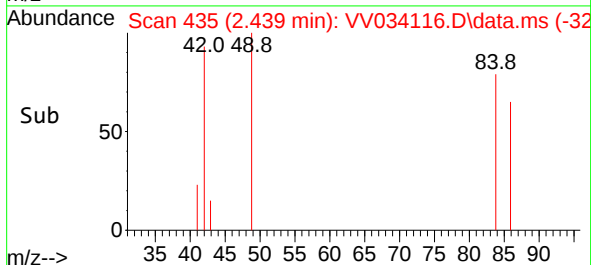
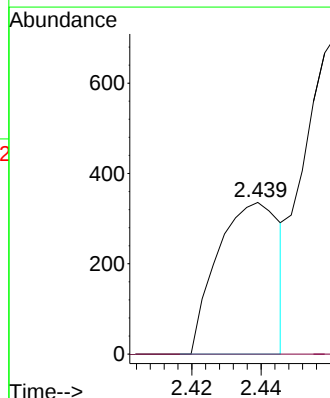
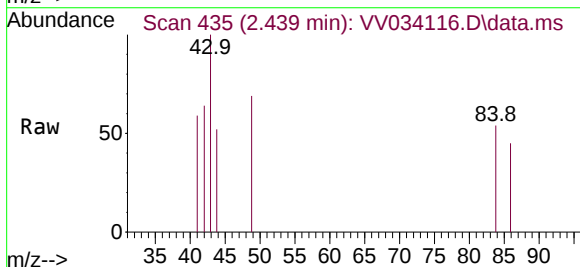
Acq: 09 Feb 2024 16:51

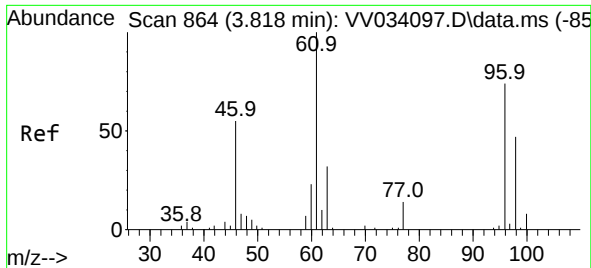
Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

43 100

74 0.0 18.2 27.4#

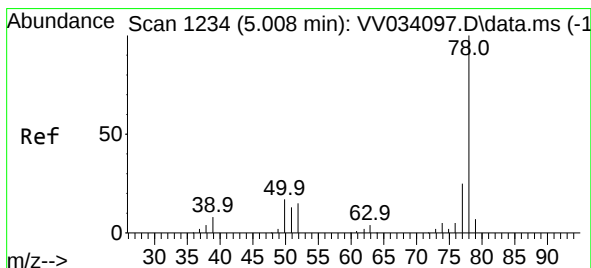
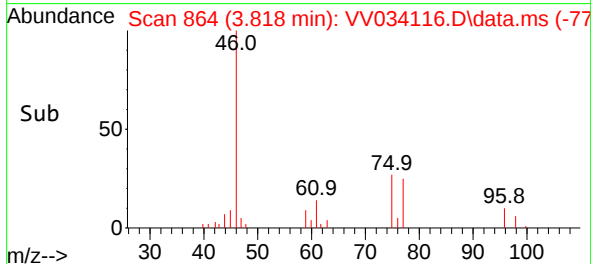
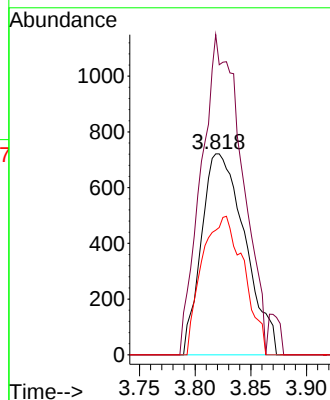
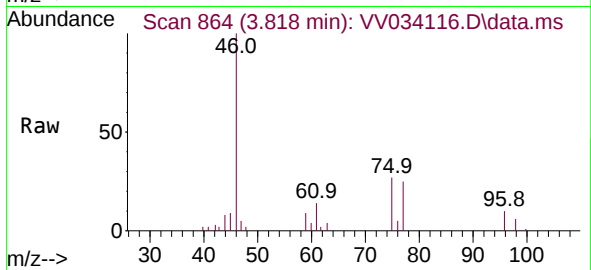




#22
 cis-1,2-Dichloroethene
 Concen: 0.327 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VV034116.D
 Acq: 09 Feb 2024 16:51

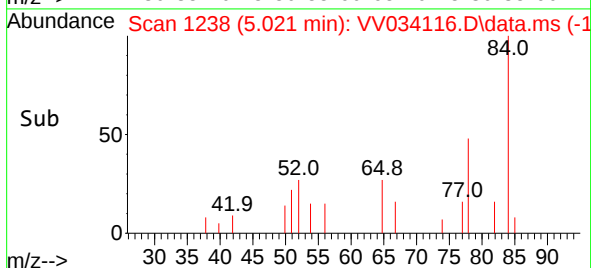
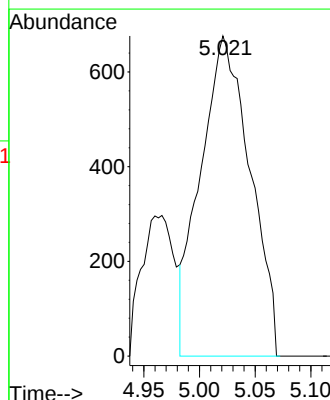
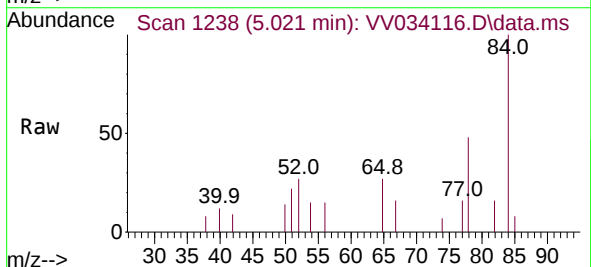
Instrument :
 MSVOA_V
 ClientSampleId :

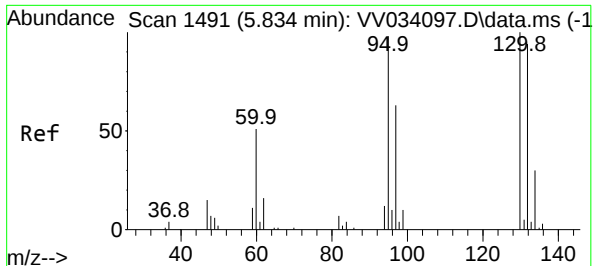
Tgt Ion: 96 Resp: 1960
 Ion Ratio Lower Upper
 96 100
 61 159.4 90.3 167.7
 98 62.0 43.2 80.2



#33
 Benzene
 Concen: 0.100 ug/L
 RT: 5.021 min Scan# 1238
 Delta R.T. 0.013 min
 Lab File: VV034116.D
 Acq: 09 Feb 2024 16:51

Tgt Ion: 78 Resp: 2092





#34

Trichloroethene

Concen: 0.380 ug/L

RT: 5.847 min Scan# 1491

Delta R.T. 0.013 min

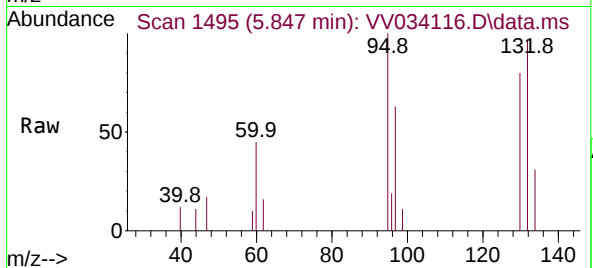
Lab File: VV034116.D

Acq: 09 Feb 2024 16:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 2309

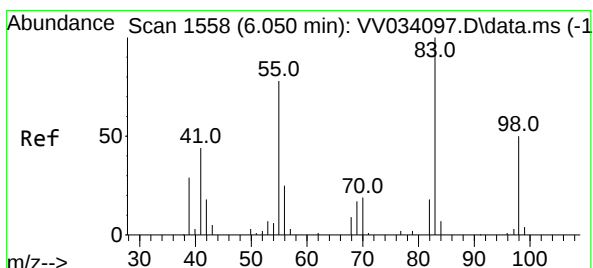
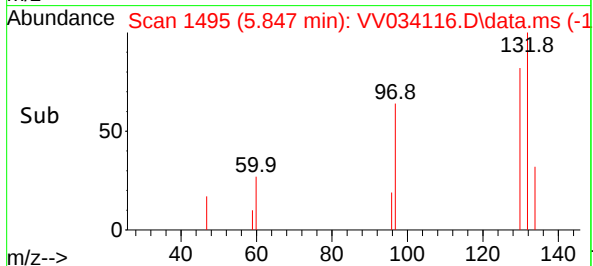
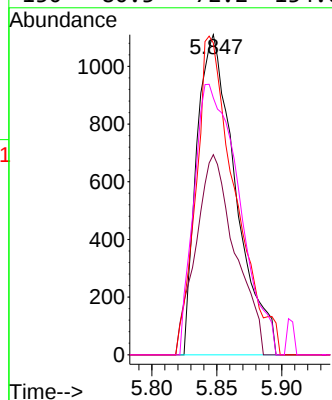
Ion Ratio Lower Upper

95 100

97 62.5 45.1 83.7

132 97.4 66.0 122.6

130 80.3 72.2 134.0



#35

Methylcyclohexane

Concen: 0.205 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV034116.D

Acq: 09 Feb 2024 16:51

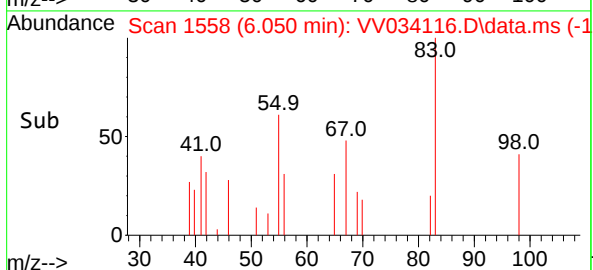
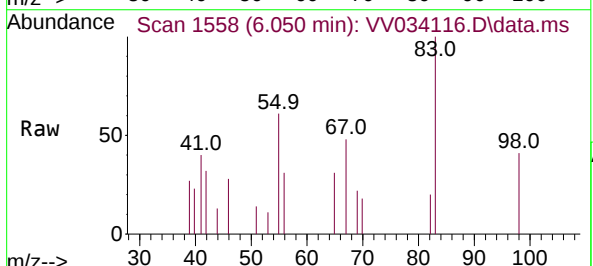
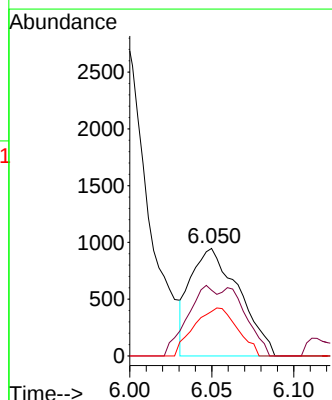
Tgt Ion: 83 Resp: 1950

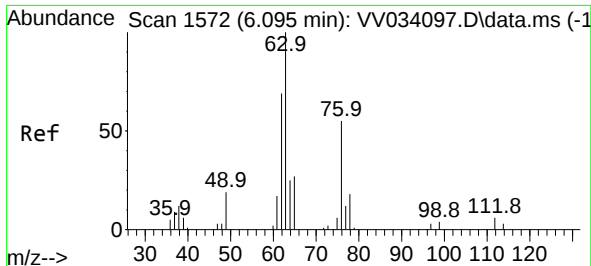
Ion Ratio Lower Upper

83 100

55 39.6 63.5 95.3#

98 39.8 39.0 58.4





#37

1,2-Dichloropropane

Concen: 0.663 ug/L

RT: 5.992 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV034116.D

Acq: 09 Feb 2024 16:51

Instrument :

MSVOA_V

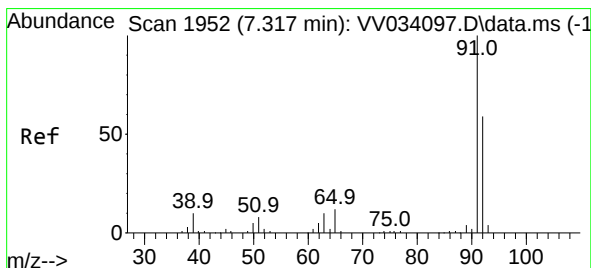
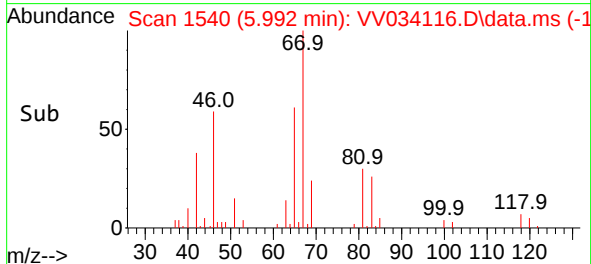
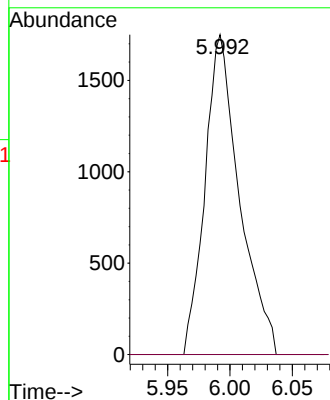
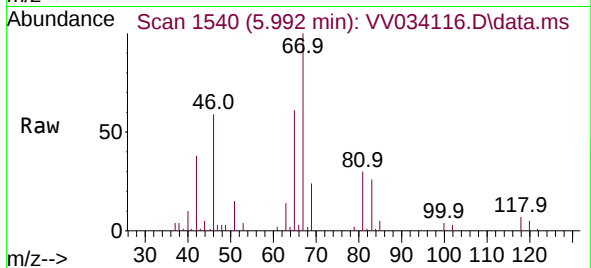
ClientSampleId :

Tgt Ion: 63 Resp: 3371

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#42

Toluene

Concen: 1.984 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV034116.D

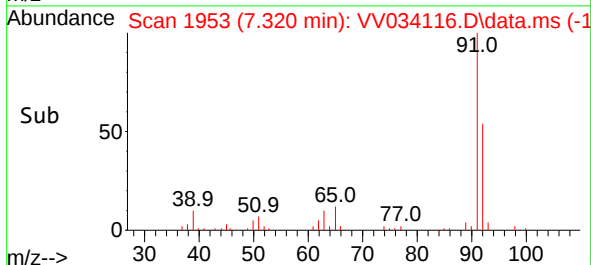
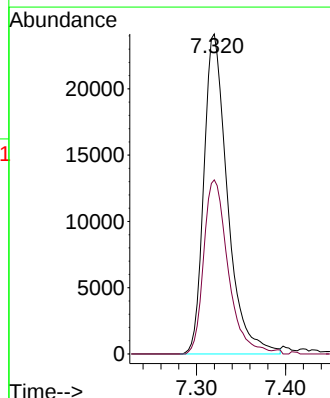
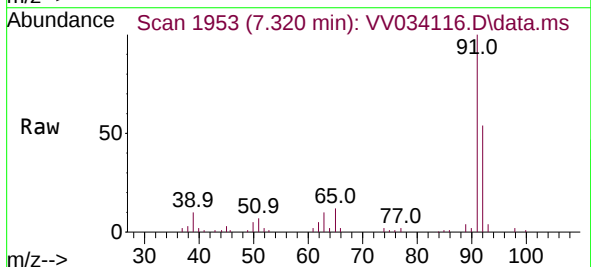
Acq: 09 Feb 2024 16:51

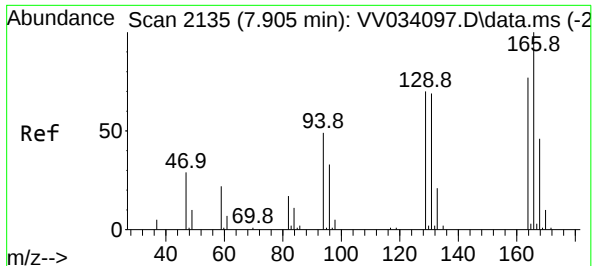
Tgt Ion: 91 Resp: 44512

Ion Ratio Lower Upper

91 100

92 54.4 42.1 78.3





#47

Tetrachloroethene

Concen: 0.169 ug/L

RT: 7.915 min Scan# 2137

Delta R.T. 0.010 min

Lab File: VV034116.D

Acq: 09 Feb 2024 16:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 836

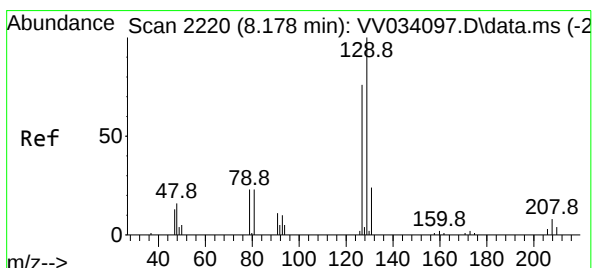
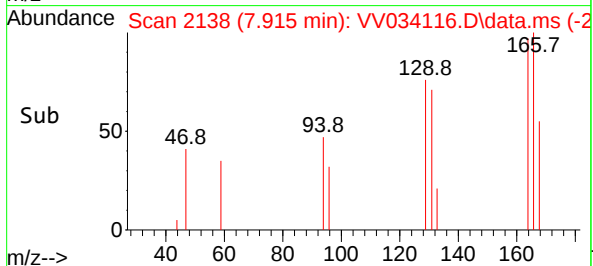
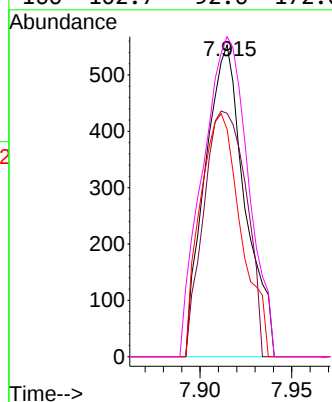
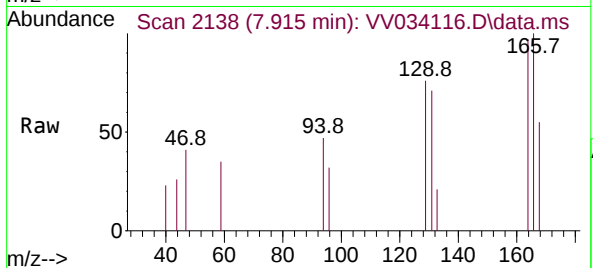
Ion Ratio Lower Upper

164 100

129 78.1 67.8 125.8

131 73.1 63.0 117.0

166 102.7 92.6 172.0



#49

Dibromochloromethane

Concen: 0.190 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. -0.267 min

Lab File: VV034116.D

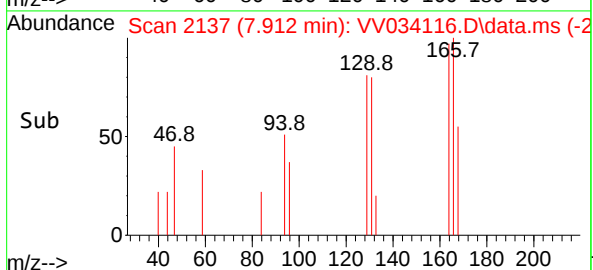
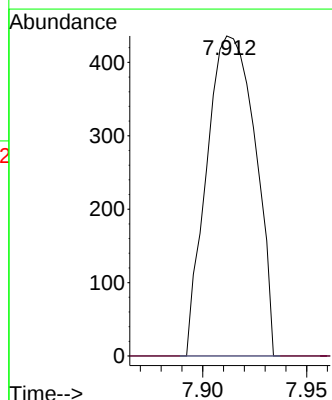
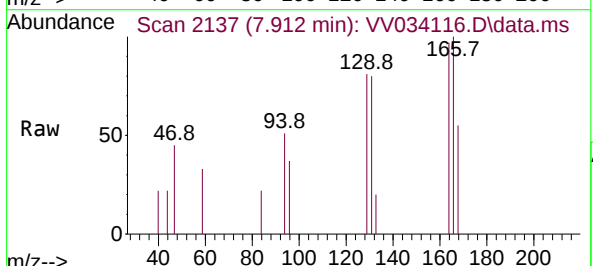
Acq: 09 Feb 2024 16:51

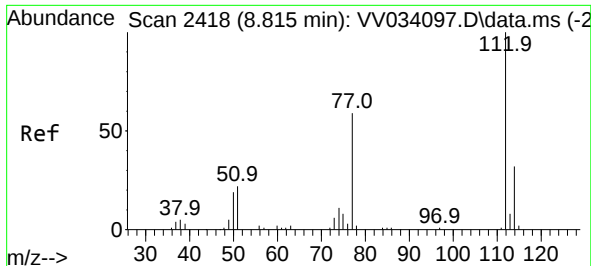
Tgt Ion:129 Resp: 707

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#

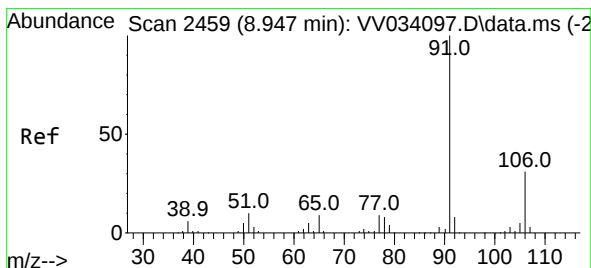
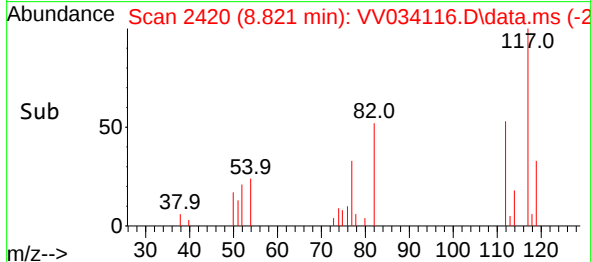
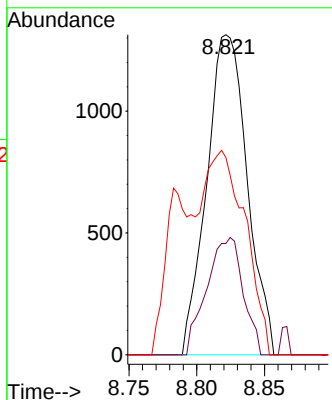
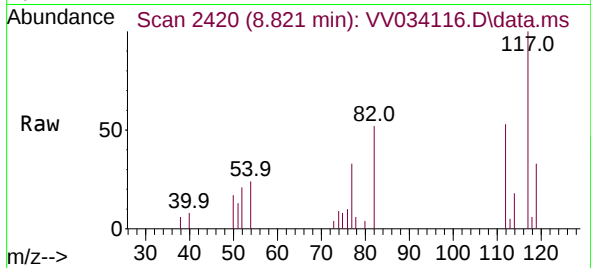




#51
Chlorobenzene
Concen: 0.192 ug/L
RT: 8.821 min Scan# 2418
Delta R.T. 0.006 min
Lab File: VV034116.D
Acq: 09 Feb 2024 16:51

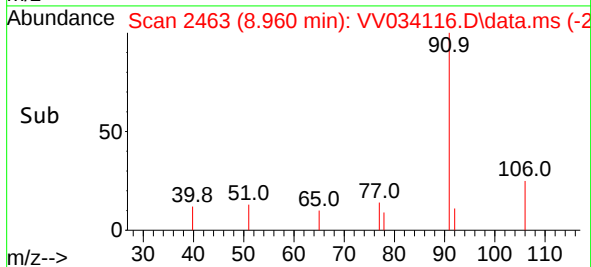
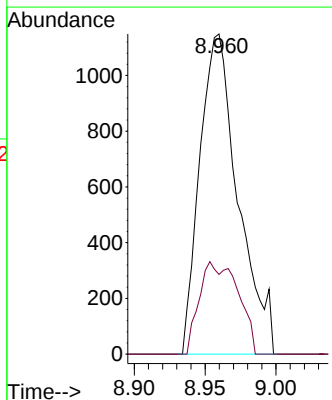
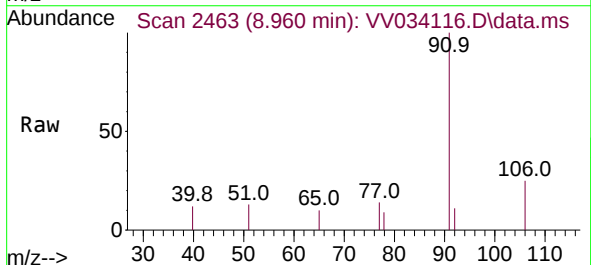
Instrument :
MSVOA_V
ClientSampleId :

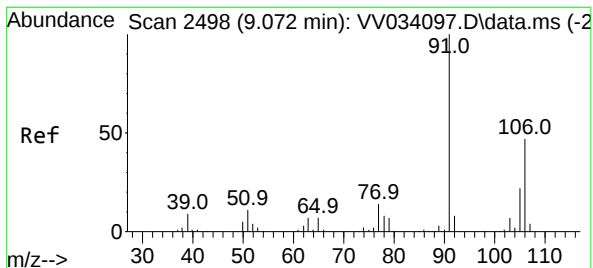
Tgt Ion:112 Resp: 2730
Ion Ratio Lower Upper
112 100
114 34.8 22.5 41.7
77 73.8 48.1 72.1#



#52
Ethylbenzene
Concen: 0.084 ug/L
RT: 8.960 min Scan# 2463
Delta R.T. 0.013 min
Lab File: VV034116.D
Acq: 09 Feb 2024 16:51

Tgt Ion: 91 Resp: 2158
Ion Ratio Lower Upper
91 100
106 24.9 21.4 39.8





#53

m,p-Xylene

Concen: 0.119 ug/L

RT: 9.085 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV034116.D

Acq: 09 Feb 2024 16:51

Instrument :

MSVOA_V

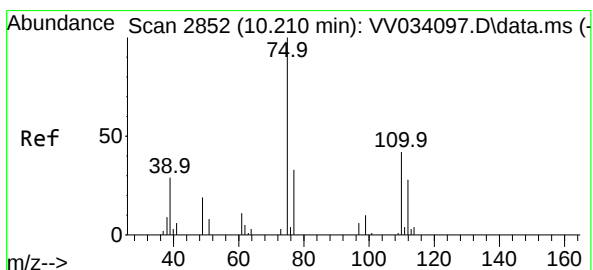
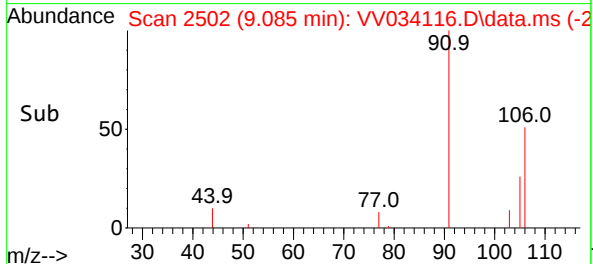
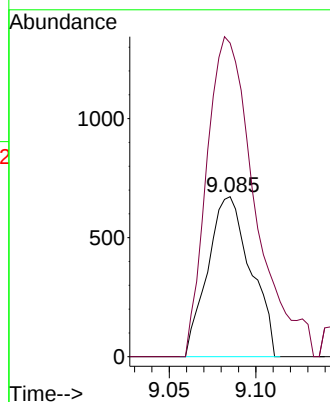
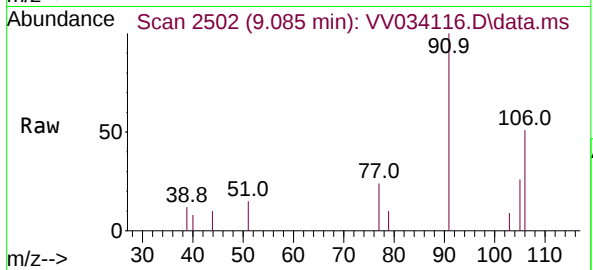
ClientSampleId :

Tgt Ion:106 Resp: 1159

Ion Ratio Lower Upper

106 100

91 196.0 147.5 273.9



#61

1,2,3-Trichloropropane

Concen: 1.770 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.977 min

Lab File: VV034116.D

Acq: 09 Feb 2024 16:51

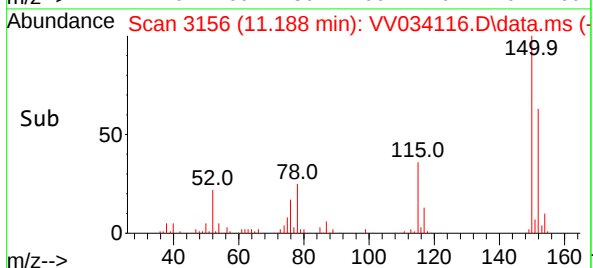
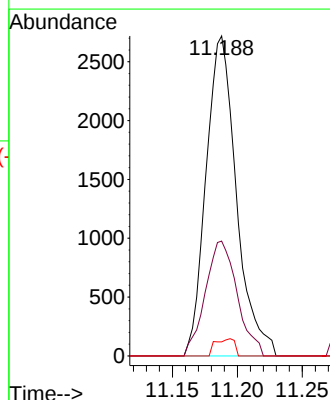
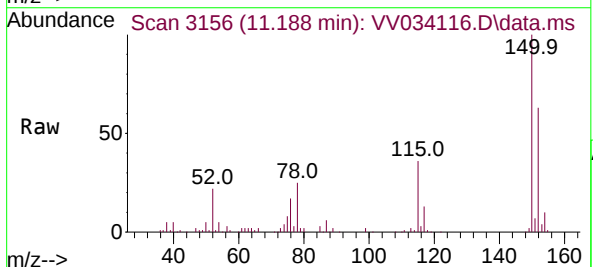
Tgt Ion: 75 Resp: 4417

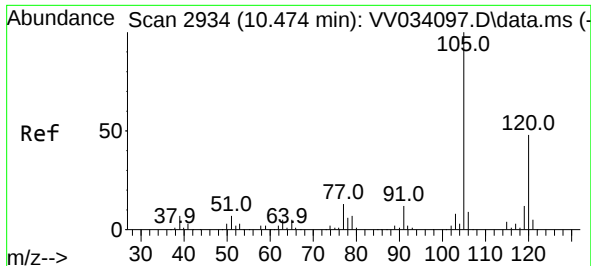
Ion Ratio Lower Upper

75 100

77 37.6 26.9 40.3

110 3.4 33.3 49.9#





#62

1,3,5-Trimethylbenzene

Concen: 0.091 ug/L

RT: 10.863 min Scan# 3055

Delta R.T. 0.389 min

Lab File: VV034116.D

Acq: 09 Feb 2024 16:51

Instrument :

MSVOA_V

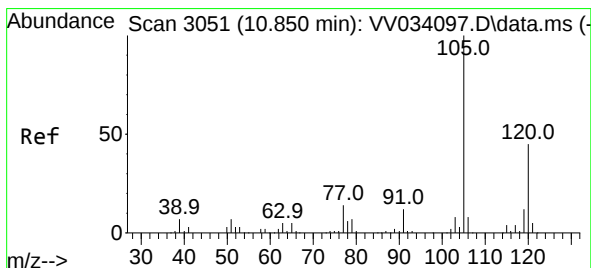
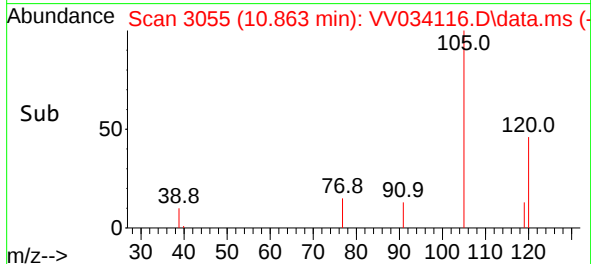
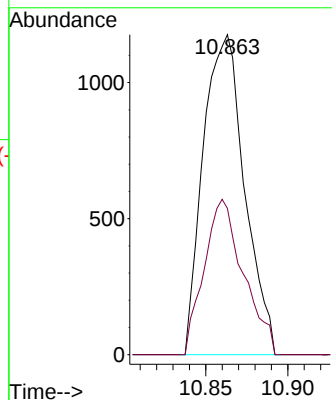
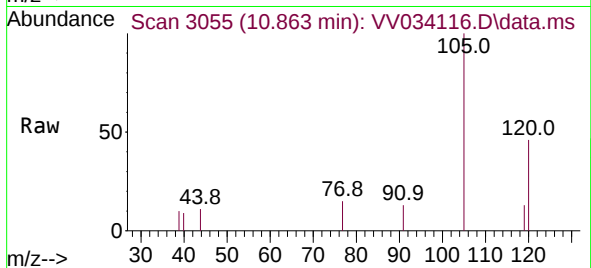
ClientSampleId :

Tgt Ion:105 Resp: 2060

Ion Ratio Lower Upper

105 100

120 46.2 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 0.093 ug/L

RT: 10.863 min Scan# 3055

Delta R.T. 0.013 min

Lab File: VV034116.D

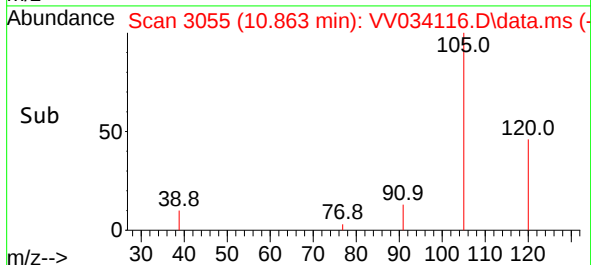
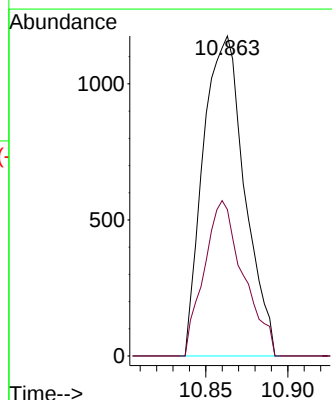
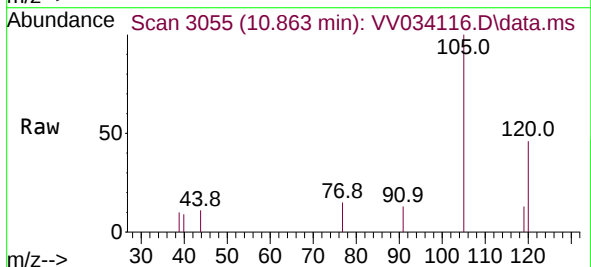
Acq: 09 Feb 2024 16:51

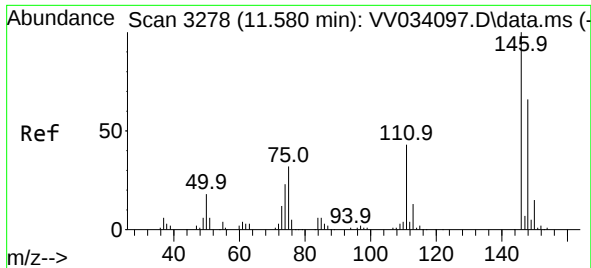
Tgt Ion:105 Resp: 2060

Ion Ratio Lower Upper

105 100

120 46.2 36.2 54.2





#67

1,2-Dichlorobenzene

Concen: 0.189 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.006 min

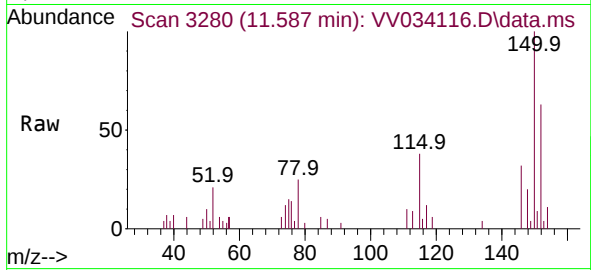
Lab File: VV034116.D

Acq: 09 Feb 2024 16:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 1903

Ion Ratio Lower Upper

146 100

111 32.2 31.2 46.8

148 63.3 49.8 74.8

