

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101723\
 Data File : VW032440.D
 Acq On : 17 Oct 2023 13:04
 Operator : SY/MD
 Sample : 04903-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 06:03:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 18 06:02:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	108825	5.000	ug/L	0.08
28) Chlorobenzene-d5	8.805	117	113987	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.194	152	57770	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	34300	3.875	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.587	69	30978	4.312	ug/L	0.06
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.140	65	14598	3.911	ug/L	0.09
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.200%
20) 2-Butanone-d5	3.973	46	39171	17.496	ug/L	0.17
Spiked Amount	50.000	Range	40 - 130	Recovery	=	35.000%#
24) Chloroform-d	4.346	84	62359	3.994	ug/L	0.10
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
26) 1,2-Dichloroethane-d4	5.040	65	29618	4.005	ug/L	0.10
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
32) Benzene-d6	5.047	84	120901	3.605	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.000%
36) 1,2-Dichloropropane-d6	6.059	67	40132	3.611	ug/L	0.07
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.200%
41) Toluene-d8	7.284	98	101439	3.307	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.200%#
43) trans-1,3-Dichloroprop...	7.593	79	13018	3.306	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.200%
46) 2-Hexanone-d5	8.063	63	64258	34.682	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.360%
56) 1,1,2,2-Tetrachloroeth...	10.165	84	30083	3.870	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	45225	4.219	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.400%
Target Compounds						Qvalue
3) Chloromethane	1.233	50	2296	0.188	ug/L	96
6) Bromomethane	1.539	94	658	0.093	ug/L	78
14) Carbon disulfide	2.330	76	19566	0.701	ug/L	96
15) Methyl Acetate	2.310	43	22020	5.668	ug/L #	55
22) cis-1,2-Dichloroethene	3.912	96	2264	0.230	ug/L	92
34) Trichloroethene	5.905	95	1163	0.106	ug/L	91
35) Methylcyclohexane	6.059	83	9911	0.585	ug/L #	17
37) 1,2-Dichloropropane	6.059	63	4181	0.390	ug/L #	90
39) cis-1,3-Dichloropropene	6.969	75	1247	0.082	ug/L	94
47) Tetrachloroethene	7.934	164	5360	0.645	ug/L	93
49) Dibromochloromethane	8.204	129	650	0.082	ug/L	84
52) Ethylbenzene	8.969	91	2578	0.054	ug/L #	73
53) m,p-Xylene	9.091	106	3935	0.223	ug/L	92
54) o-Xylene	9.497	106	1924	0.113	ug/L	98
61) 1,2,3-Trichloropropane	10.329	75	751	0.122	ug/L #	74
63) 1,2,4-Trimethylbenzene	10.863	105	7305	0.201	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.197	75	2568	2.044	ug/L #	8
71) Naphthalene	13.448	128	5794	0.245	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 18 06:02:40 2023
Response via : Initial Calibration

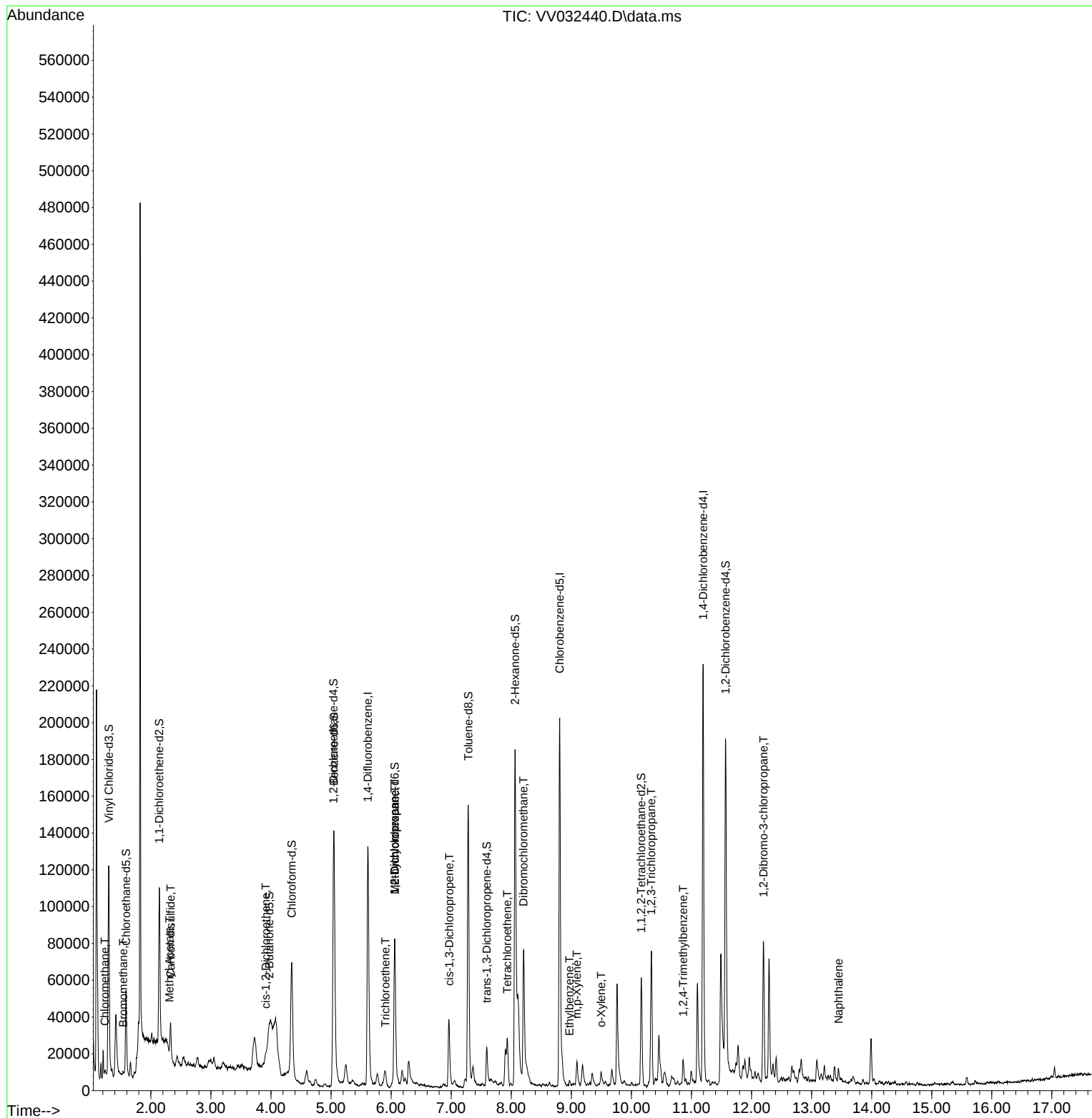
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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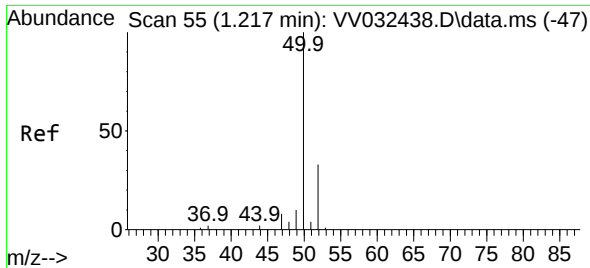
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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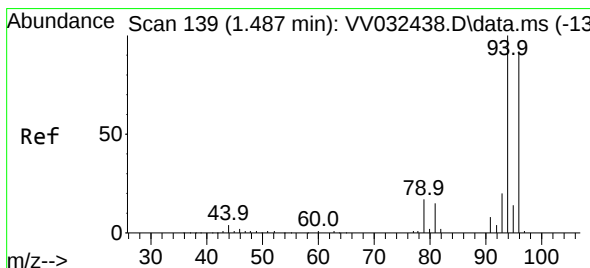
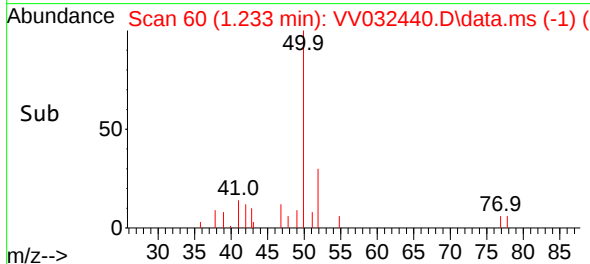
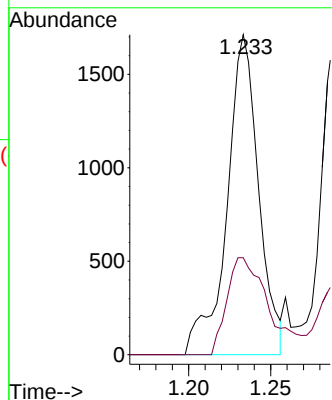
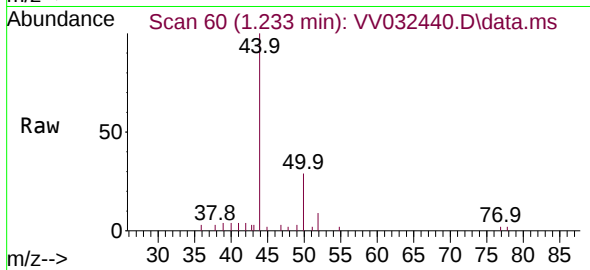




#3
Chloromethane
Concen: 0.188 ug/L
RT: 1.233 min Scan# 60
Delta R.T. 0.016 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

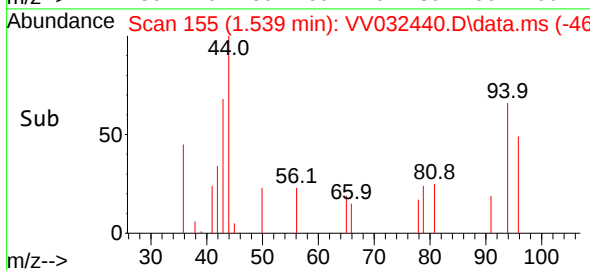
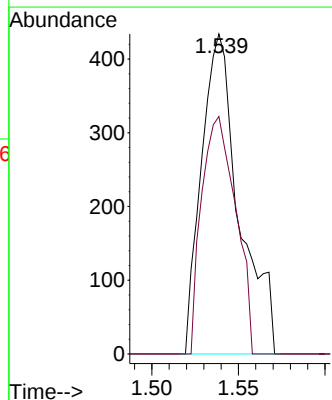
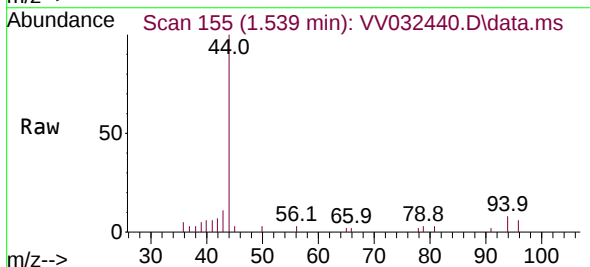
Instrument :
MSVOA_V
ClientSampleId :

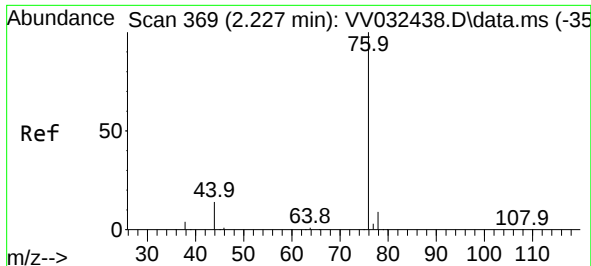
Tgt Ion: 50 Resp: 2296
Ion Ratio Lower Upper
50 100
52 30.3 23.0 42.6



#6
Bromomethane
Concen: 0.093 ug/L
RT: 1.539 min Scan# 155
Delta R.T. 0.051 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

Tgt Ion: 94 Resp: 658
Ion Ratio Lower Upper
94 100
96 74.2 66.8 124.2

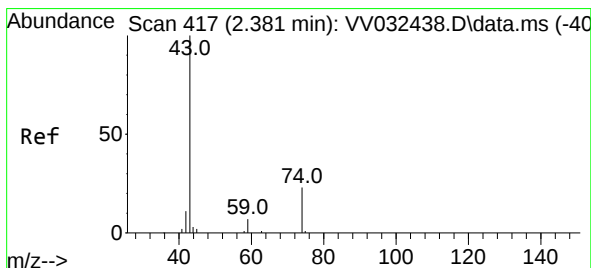
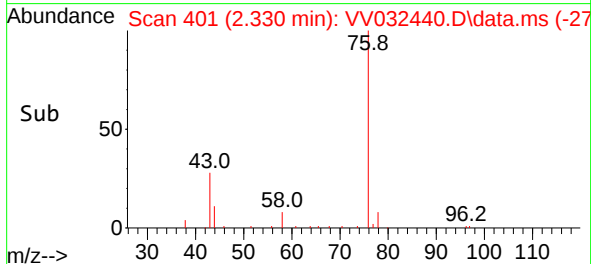
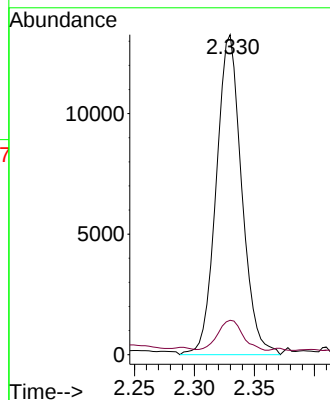
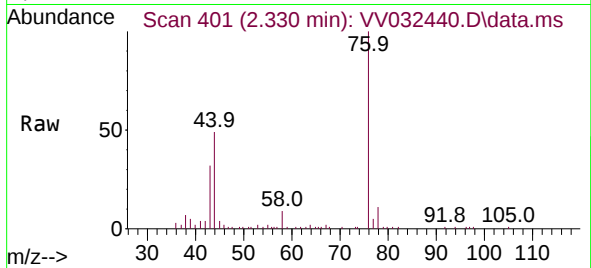




#14
Carbon disulfide
Concen: 0.701 ug/L
RT: 2.330 min Scan# 401
Delta R.T. 0.103 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

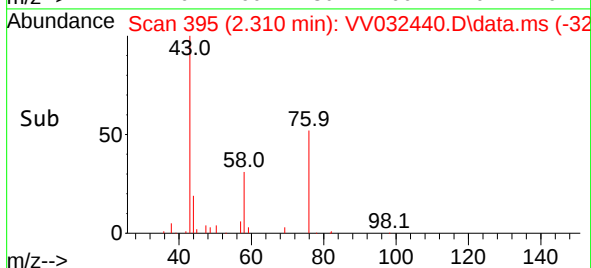
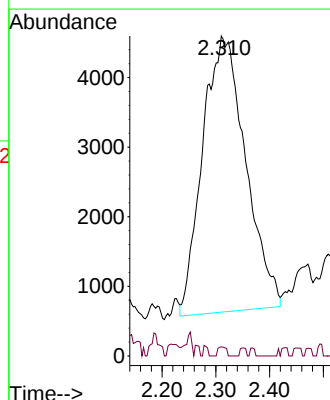
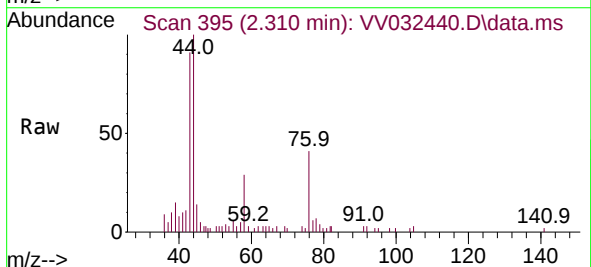
Instrument :
MSVOA_V
ClientSampleId :

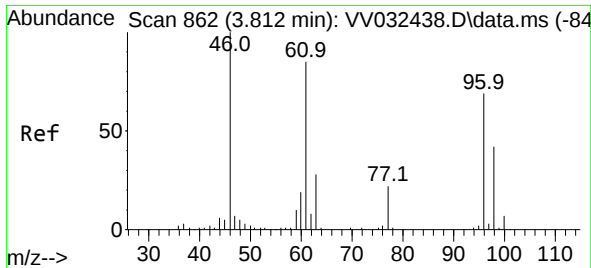
Tgt Ion: 76 Resp: 19566
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.2



#15
Methyl Acetate
Concen: 5.668 ug/L
RT: 2.310 min Scan# 395
Delta R.T. -0.071 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

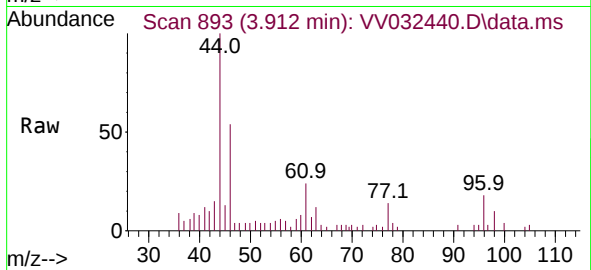
Tgt Ion: 43 Resp: 22020
Ion Ratio Lower Upper
43 100
74 0.6 18.0 27.0#



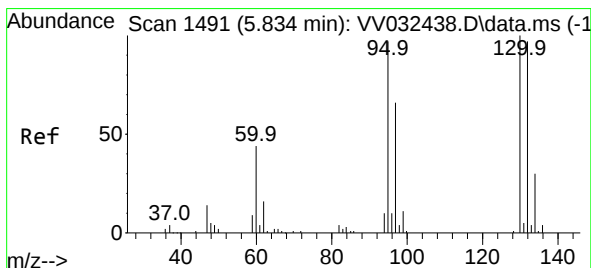
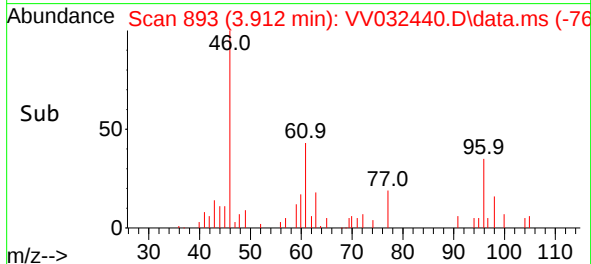
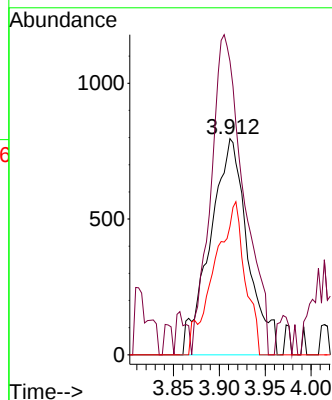


#22
 cis-1,2-Dichloroethene
 Concen: 0.230 ug/L
 RT: 3.912 min Scan# 862
 Delta R.T. 0.100 min
 Lab File: VV032440.D
 Acq: 17 Oct 2023 13:04

Instrument :
 MSVOA_V
 ClientSampleId :

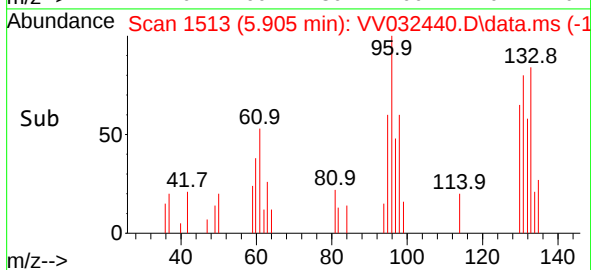
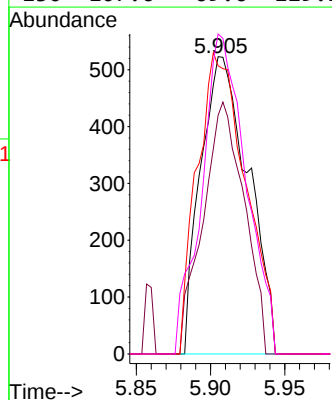
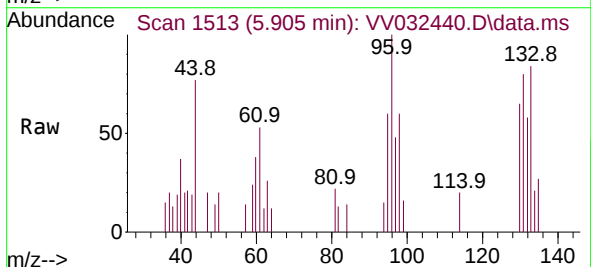


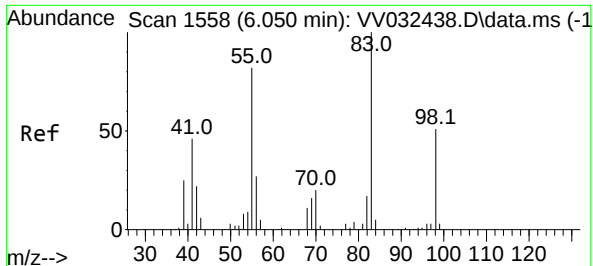
Tgt Ion:	96	Resp:	2264
Ion	Ratio	Lower	Upper
96	100		
61	117.8	85.8	159.4
98	51.5	44.0	81.6



#34
 Trichloroethene
 Concen: 0.106 ug/L
 RT: 5.905 min Scan# 1513
 Delta R.T. 0.071 min
 Lab File: VV032440.D
 Acq: 17 Oct 2023 13:04

Tgt Ion:	95	Resp:	1163
Ion	Ratio	Lower	Upper
95	100		
97	80.3	45.7	84.9
132	96.9	70.3	130.5
130	107.6	69.6	129.2

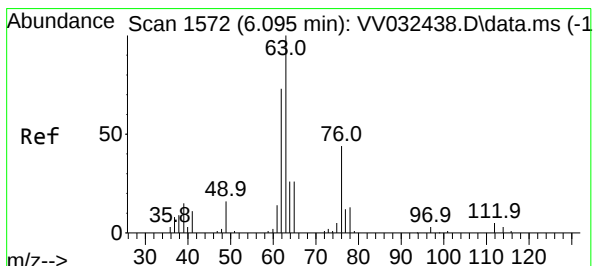
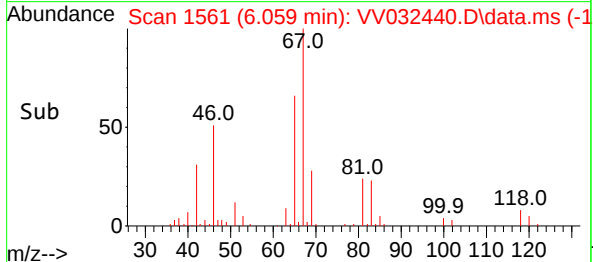
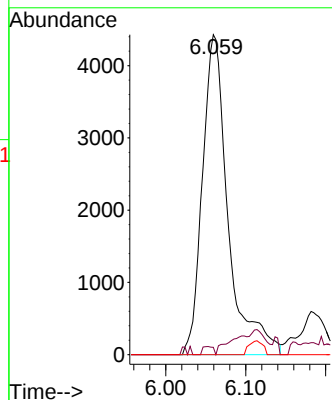
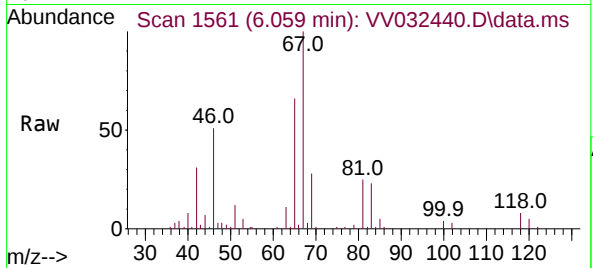




#35
Methylcyclohexane
Concen: 0.585 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.010 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

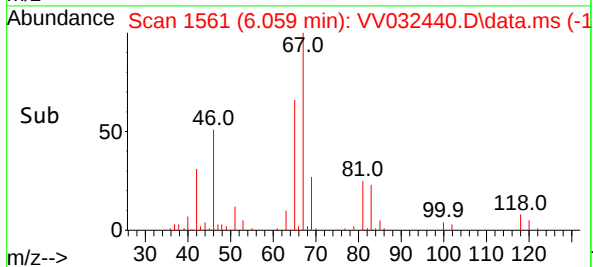
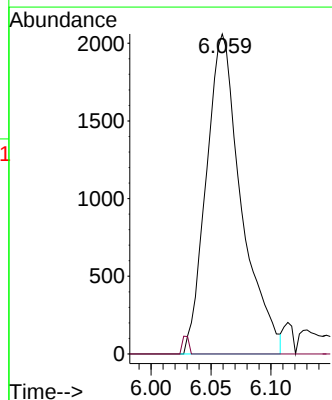
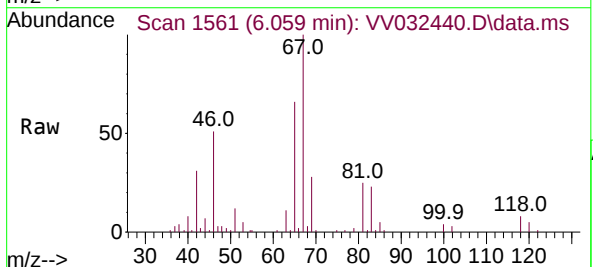
Instrument :
MSVOA_V
ClientSampleId :

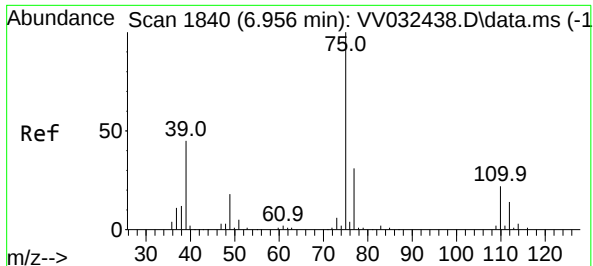
Tgt Ion: 83 Resp: 9911
Ion Ratio Lower Upper
83 100
55 1.0 64.2 96.2#
98 0.0 39.6 59.4#



#37
1,2-Dichloropropane
Concen: 0.390 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.035 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

Tgt Ion: 63 Resp: 4181
Ion Ratio Lower Upper
63 100
112 1.1 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 6.969 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV032440.D

Acq: 17 Oct 2023 13:04

Instrument :

MSVOA_V

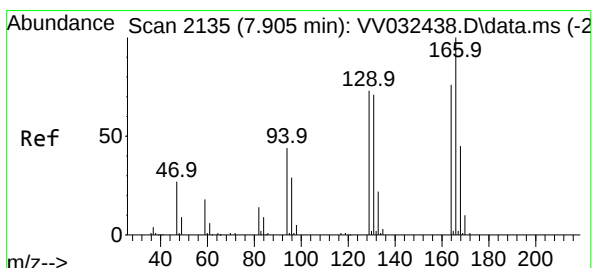
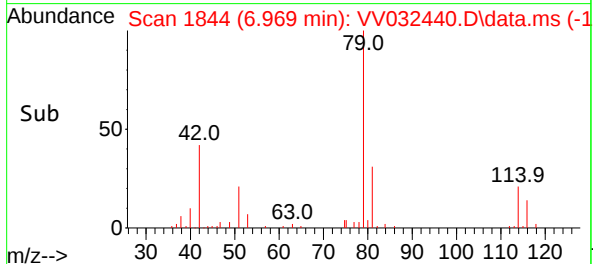
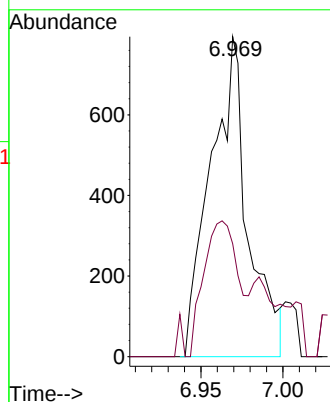
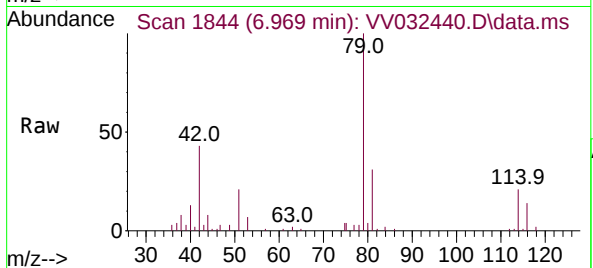
ClientSampleId :

Tgt Ion: 75 Resp: 1247

Ion Ratio Lower Upper

75 100

77 35.3 22.2 41.2



#47

Tetrachloroethene

Concen: 0.645 ug/L

RT: 7.934 min Scan# 2144

Delta R.T. 0.029 min

Lab File: VV032440.D

Acq: 17 Oct 2023 13:04

Tgt Ion:164 Resp: 5360

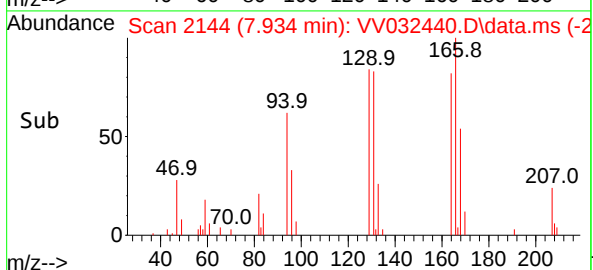
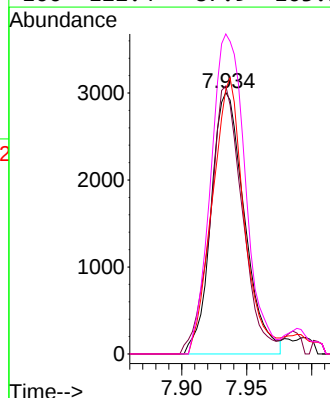
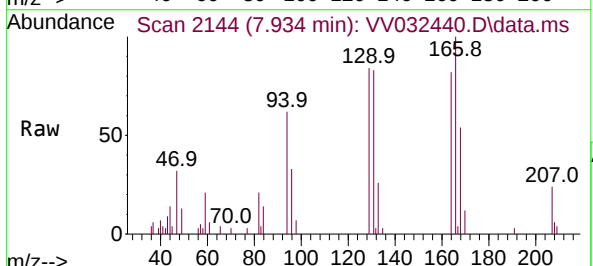
Ion Ratio Lower Upper

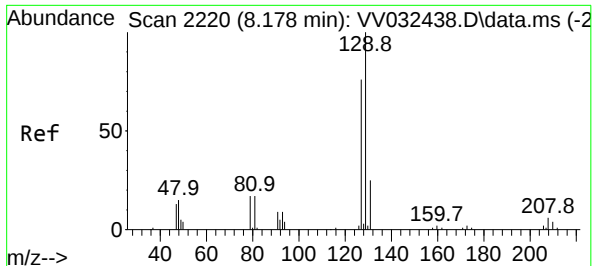
164 100

129 102.6 66.4 123.4

131 101.3 63.7 118.3

166 122.4 87.9 163.3





#49

Dibromochloromethane

Concen: 0.082 ug/L

RT: 8.204 min Scan# 21

Delta R.T. 0.026 min

Lab File: VV032440.D

Acq: 17 Oct 2023 13:04

Instrument :

MSVOA_V

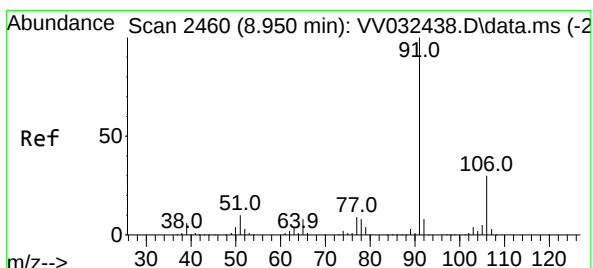
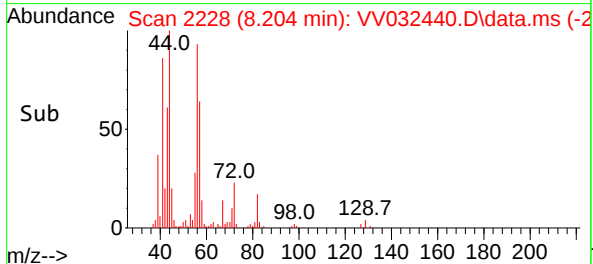
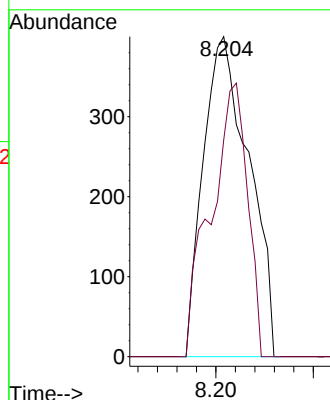
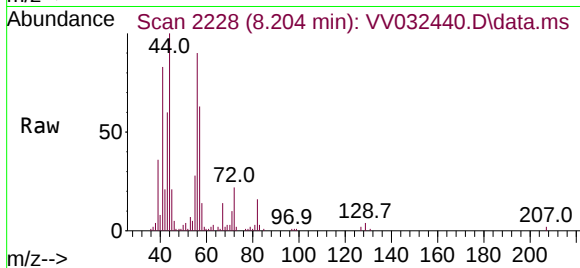
ClientSampleId :

Tgt Ion:129 Resp: 650

Ion Ratio Lower Upper

129 100

127 67.8 57.2 106.2



#52

Ethylbenzene

Concen: 0.054 ug/L

RT: 8.969 min Scan# 2466

Delta R.T. 0.019 min

Lab File: VV032440.D

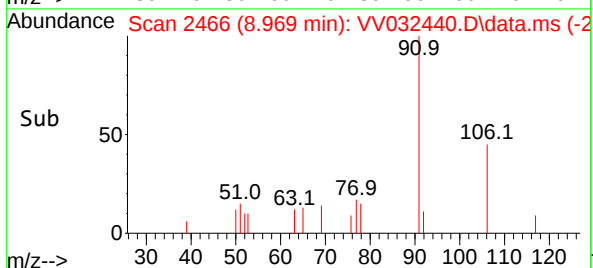
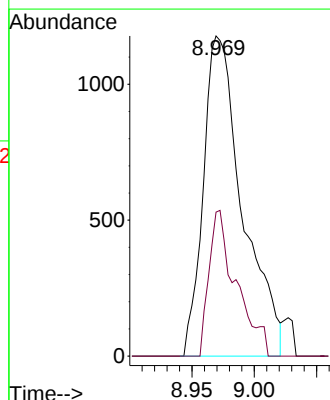
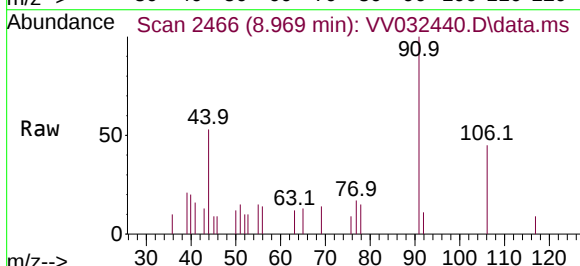
Acq: 17 Oct 2023 13:04

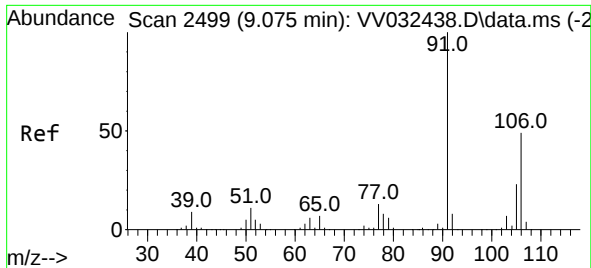
Tgt Ion: 91 Resp: 2578

Ion Ratio Lower Upper

91 100

106 45.0 21.3 39.5#

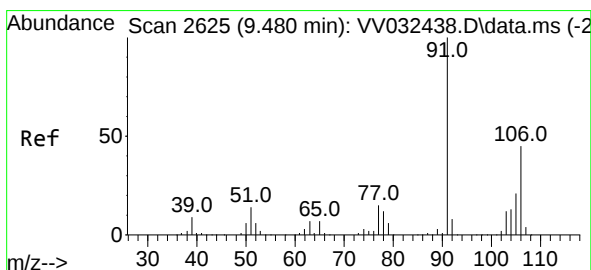
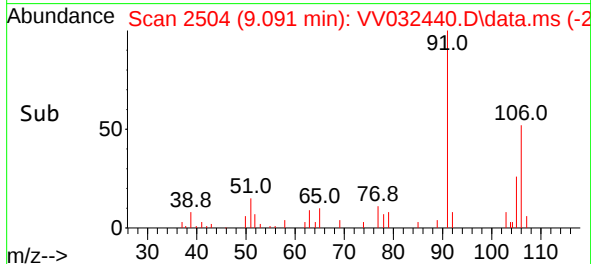
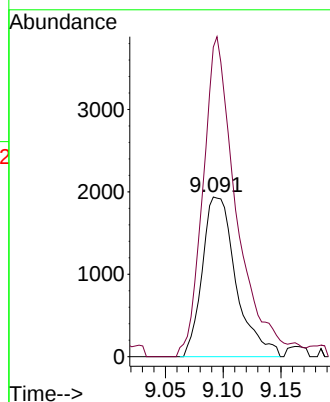
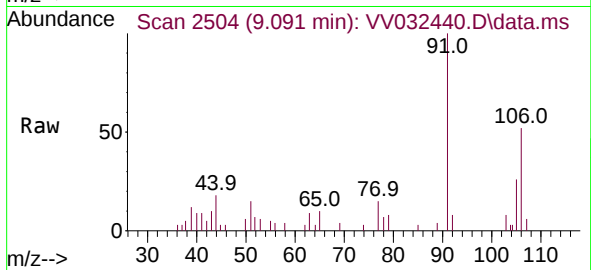




#53
m,p-Xylene
Concen: 0.223 ug/L
RT: 9.091 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

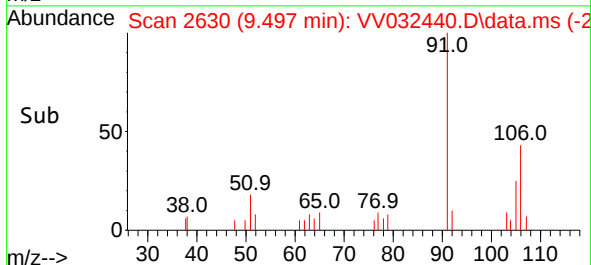
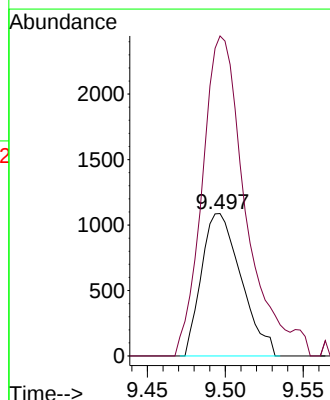
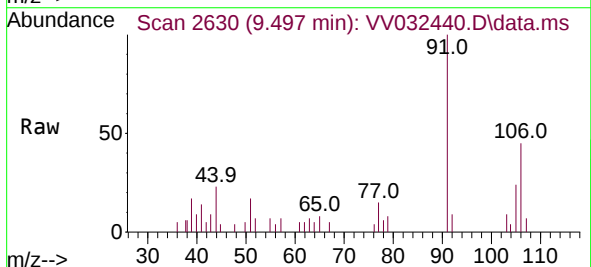
Instrument :
MSVOA_V
ClientSampleId :

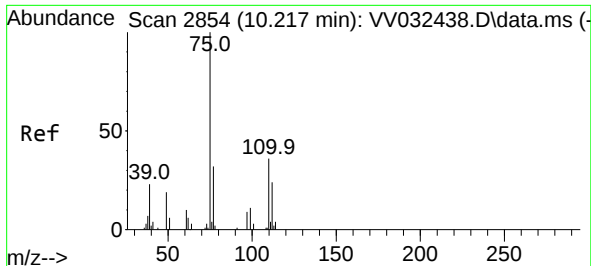
Tgt Ion:106 Resp: 3935
Ion Ratio Lower Upper
106 100
91 193.9 144.5 268.3



#54
o-Xylene
Concen: 0.113 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.016 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

Tgt Ion:106 Resp: 1924
Ion Ratio Lower Upper
106 100
91 224.6 154.8 287.4

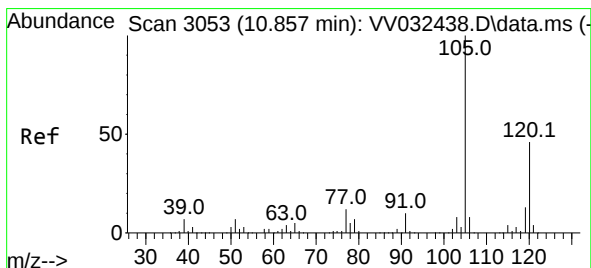
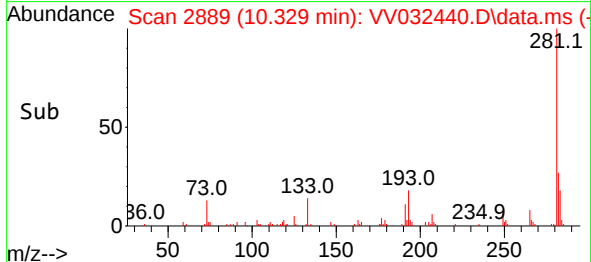
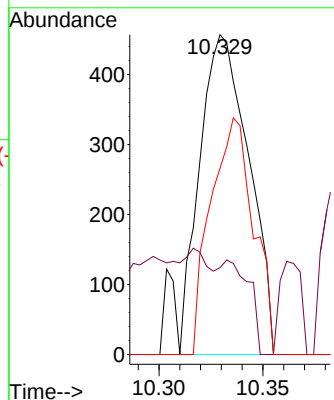
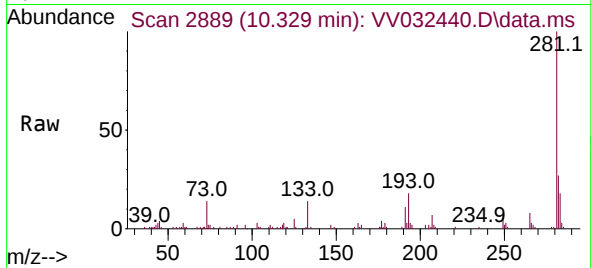




#61
1,2,3-Trichloropropane
Concen: 0.122 ug/L
RT: 10.329 min Scan# 2889
Delta R.T. 0.113 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

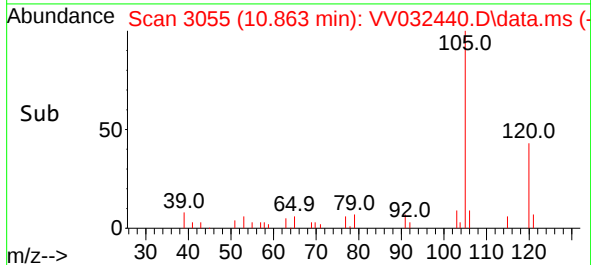
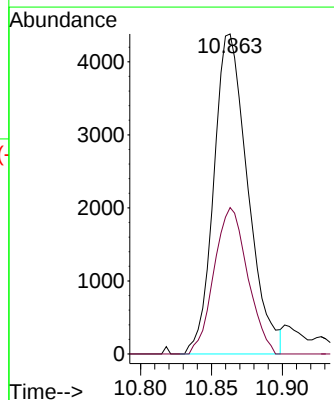
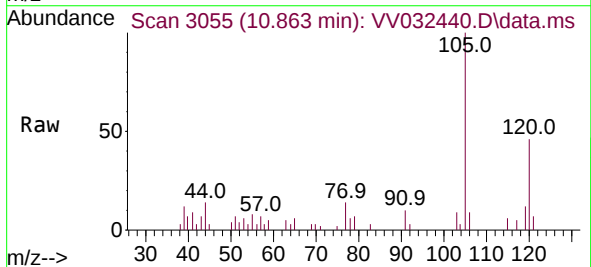
Instrument :
MSVOA_V
ClientSampleId :

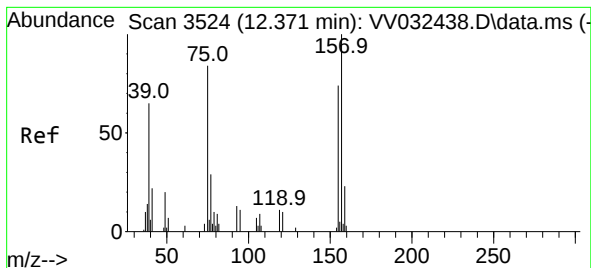
Tgt Ion: 75 Resp: 751
Ion Ratio Lower Upper
75 100
77 29.3 26.2 39.2
110 64.4 30.6 46.0#



#63
1,2,4-Trimethylbenzene
Concen: 0.201 ug/L
RT: 10.863 min Scan# 3055
Delta R.T. 0.006 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

Tgt Ion: 105 Resp: 7305
Ion Ratio Lower Upper
105 100
120 45.1 36.2 54.4

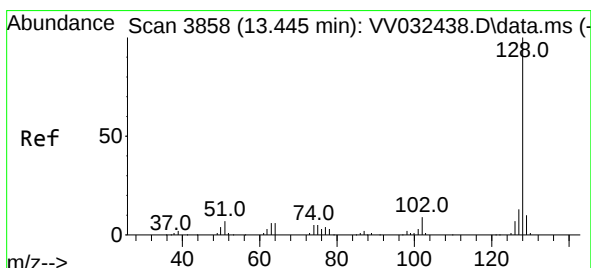
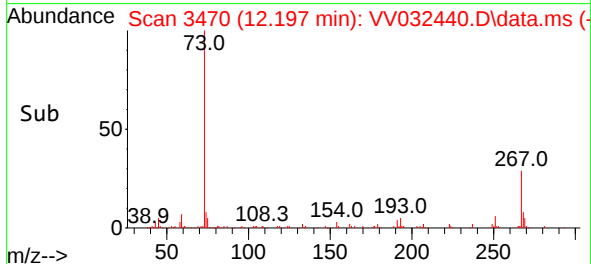
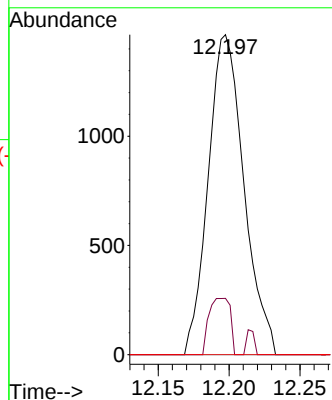
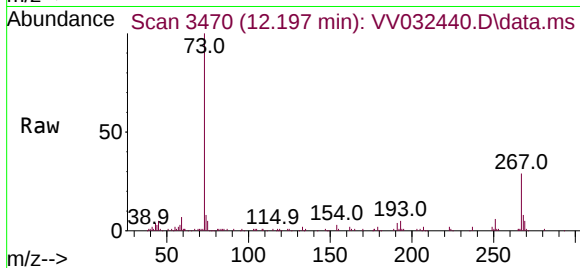




#68
1,2-Dibromo-3-chloropropane
Concen: 2.044 ug/L
RT: 12.197 min Scan# 34
Delta R.T. -0.174 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 2568
Ion Ratio Lower Upper
75 100
155 17.6 70.2 105.4#
157 0.0 90.6 135.8#



#71
Naphthalene
Concen: 0.245 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.003 min
Lab File: VV032440.D
Acq: 17 Oct 2023 13:04

Tgt Ion: 128 Resp: 5794
Ion Ratio Lower Upper
128 100
129 13.4 9.0 13.4
127 12.9 10.2 15.2

