

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100623\
 Data File : VW032311.D
 Acq On : 06 Oct 2023 19:09
 Operator : SY/MD
 Sample : 04774-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 05:09:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 07 05:00:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	74655	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	81304	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	36942	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	22769	3.750	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.000%
7) Chloroethane-d5	1.532	69	22554	4.576	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.060	65	9803	3.828	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	3.790	46	91941	59.861	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.720%
24) Chloroform-d	4.253	84	49150	4.589	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	4.947	65	26057	5.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	4.963	84	90399	3.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	5.992	67	31077	3.921	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.400%
41) Toluene-d8	7.246	98	79055	3.614	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.200%
43) trans-1,3-Dichloroprop...	7.561	79	10953	3.900	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.027	63	74082	56.057	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.120%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	29386	5.300	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	30035	4.381	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.600%
Target Compounds						
					Qvalue	
13) Acetone	2.114	43	5380	4.545	ug/L	87
18) trans-1,2-Dichloroethene	2.700	96	737	0.118	ug/L	93
22) cis-1,2-Dichloroethene	3.822	96	6768	1.002	ug/L	95
25) Chloroform	4.281	83	7188	0.621	ug/L	99
30) Cyclohexane	4.590	56	2895	0.238	ug/L	98
31) Carbon tetrachloride	4.745	117	5462	0.584	ug/L	99
33) Benzene	5.021	78	6112	0.214	ug/L	100
34) Trichloroethene	5.834	95	891421	114.075	ug/L	98
35) Methylcyclohexane	6.050	83	3618	0.299	ug/L	96
37) 1,2-Dichloropropane	6.050	63	422	0.055	ug/L #	87
42) Toluene	7.326	91	18702	0.613	ug/L	99
47) Tetrachloroethene	7.915	164	695	0.117	ug/L	96
49) Dibromochloromethane	7.915	129	637	0.113	ug/L #	8
52) Ethylbenzene	8.957	91	4003	0.118	ug/L	98
53) m,p-Xylene	9.079	106	2819	0.224	ug/L	86
54) o-Xylene	9.487	106	1198	0.099	ug/L	85
61) 1,2,3-Trichloropropane	11.188	75	4638	1.180	ug/L #	64
63) 1,2,4-Trimethylbenzene	10.860	105	1828	0.078	ug/L	88
68) 1,2-Dibromo-3-chloropr...	12.198	75	184	0.229	ug/L #	1

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QLast Update : Sat Oct 07 05:00:49 2023
Response via : Initial Calibration

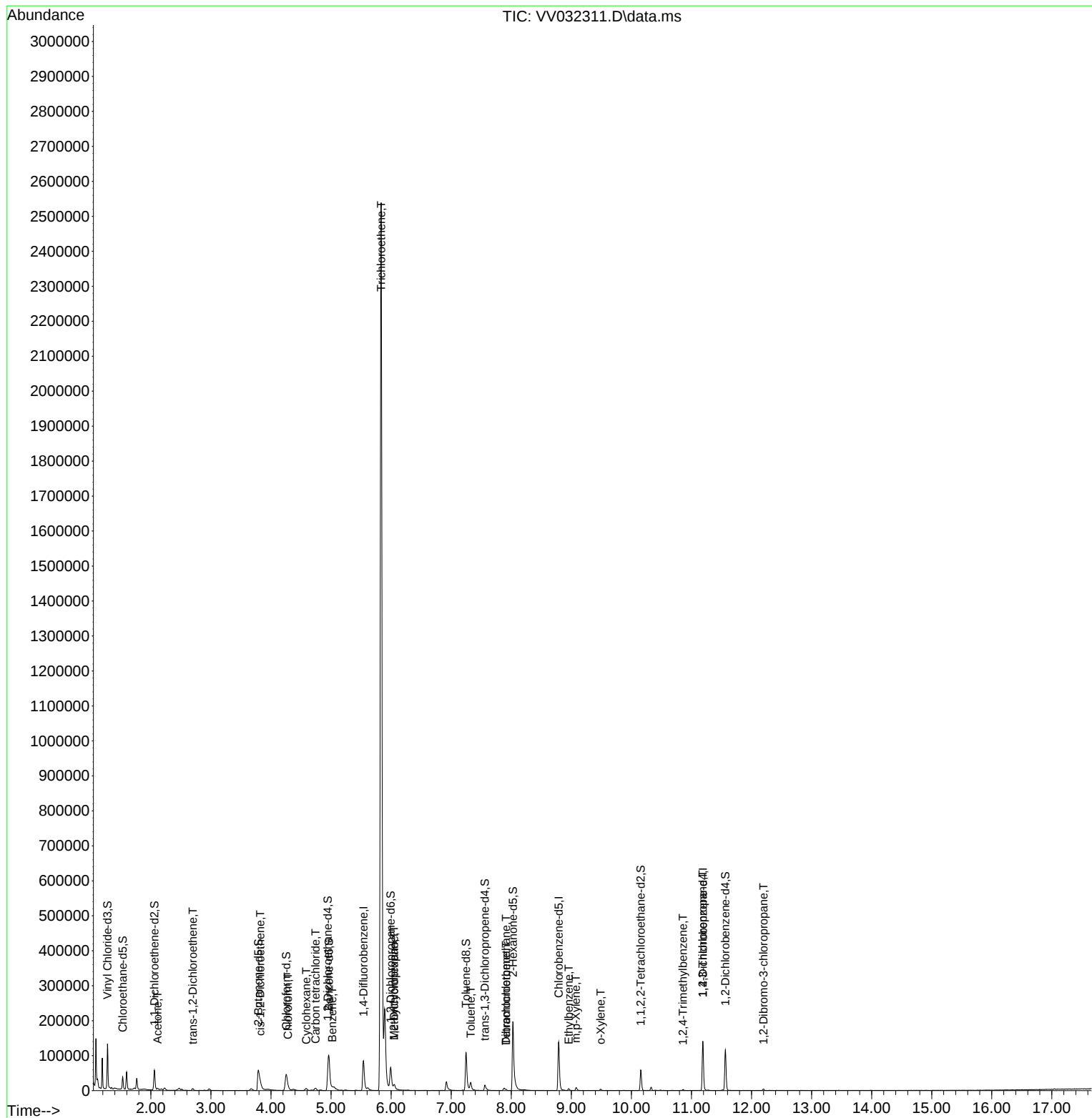
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

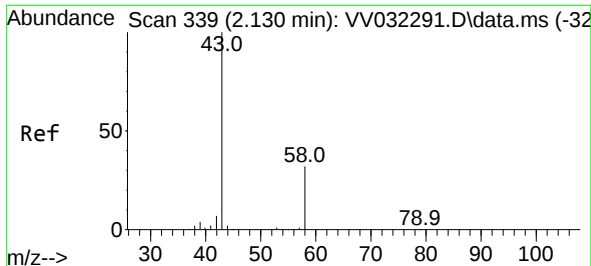
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.545 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.016 min

Lab File: VV032311.D

Acq: 06 Oct 2023 19:09

Instrument :

MSVOA_V

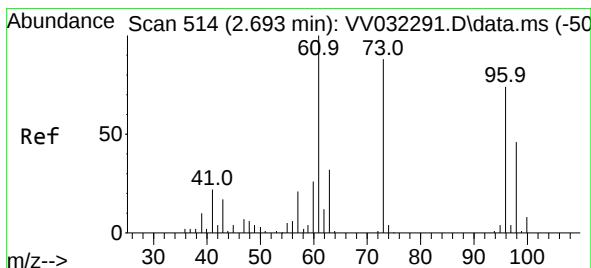
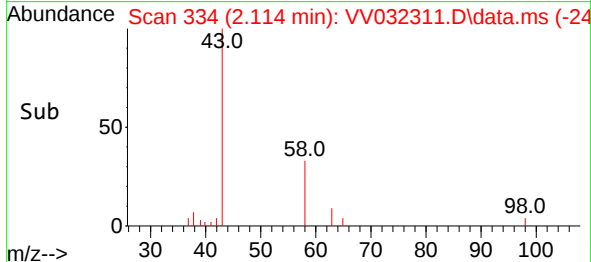
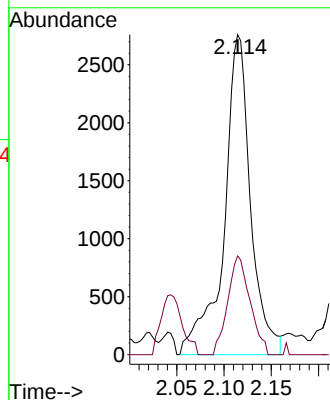
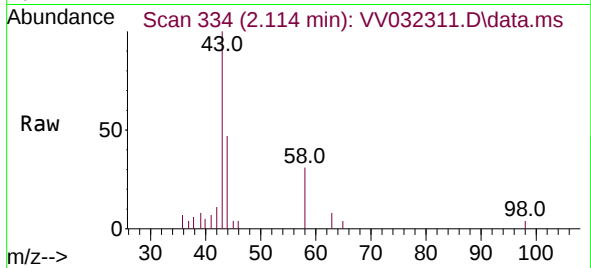
ClientSampleId :

Tgt Ion: 43 Resp: 5380

Ion Ratio Lower Upper

43 100

58 25.9 0.0 66.0



#18

trans-1,2-Dichloroethene

Concen: 0.118 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.007 min

Lab File: VV032311.D

Acq: 06 Oct 2023 19:09

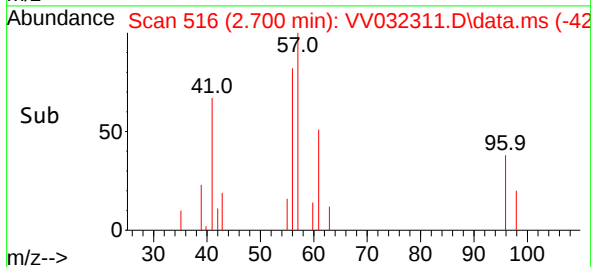
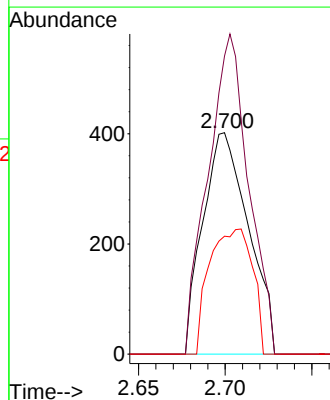
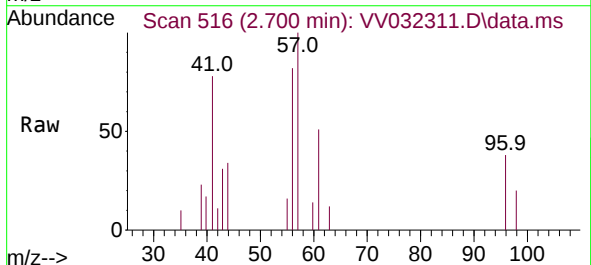
Tgt Ion: 96 Resp: 737

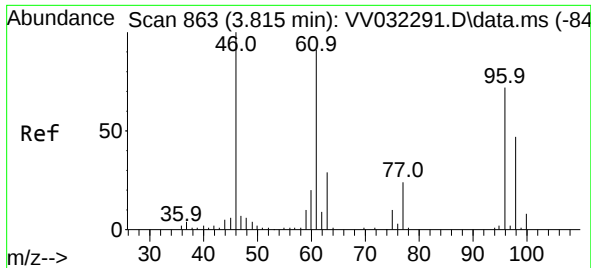
Ion Ratio Lower Upper

96 100

61 134.6 96.9 180.1

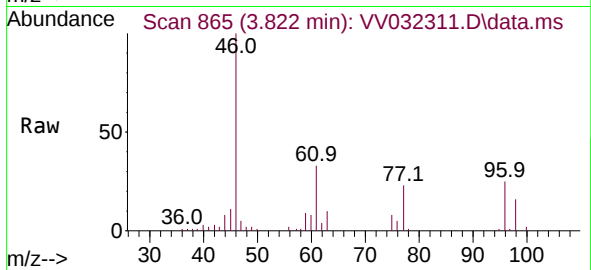
98 53.2 45.3 84.1



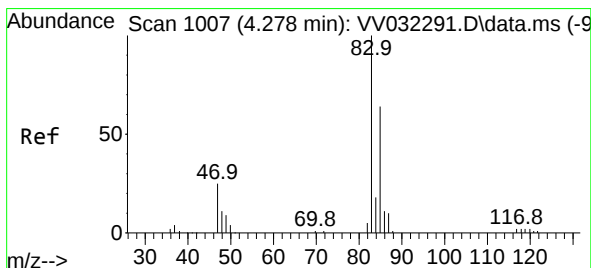
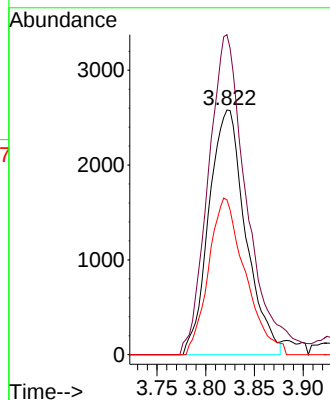
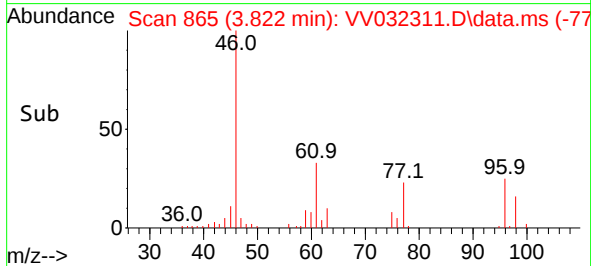


#22
 cis-1,2-Dichloroethene
 Concen: 1.002 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.007 min
 Lab File: VV032311.D
 Acq: 06 Oct 2023 19:09

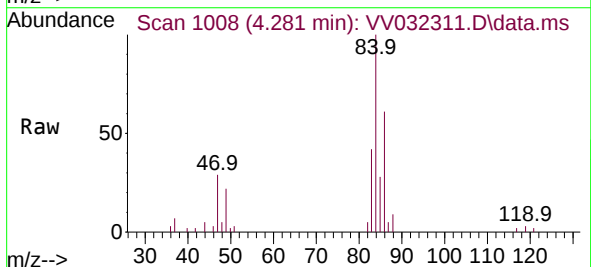
Instrument :
 MSVOA_V
 ClientSampleId :



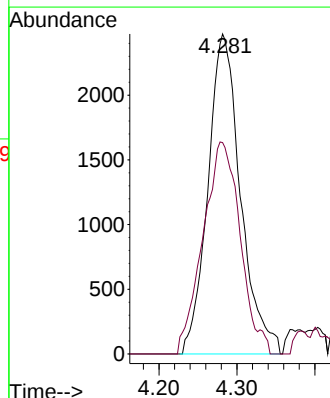
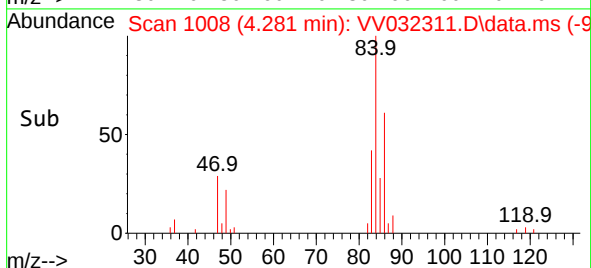
Tgt Ion: 96 Resp: 6768
 Ion Ratio Lower Upper
 96 100
 61 130.8 85.8 159.4
 98 63.3 44.0 81.6

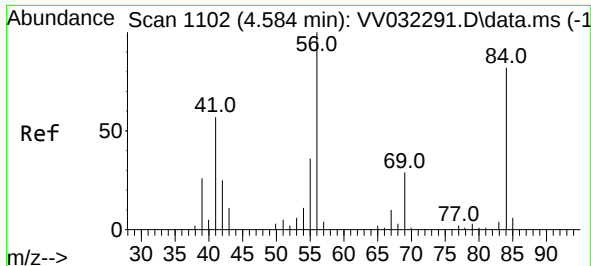


#25
 Chloroform
 Concen: 0.621 ug/L
 RT: 4.281 min Scan# 1008
 Delta R.T. 0.003 min
 Lab File: VV032311.D
 Acq: 06 Oct 2023 19:09



Tgt Ion: 83 Resp: 7188
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.4 84.4





#30

Cyclohexane

Concen: 0.238 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.007 min

Lab File: VV032311.D

Acq: 06 Oct 2023 19:09

Instrument :

MSVOA_V

ClientSampleId :

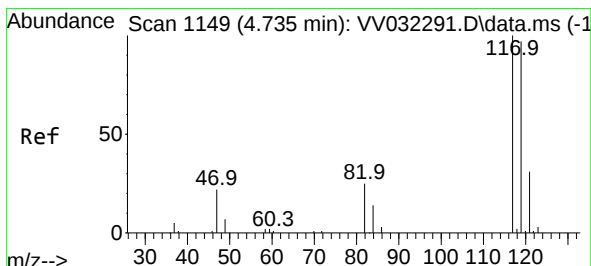
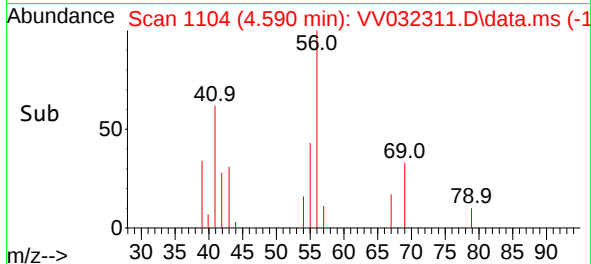
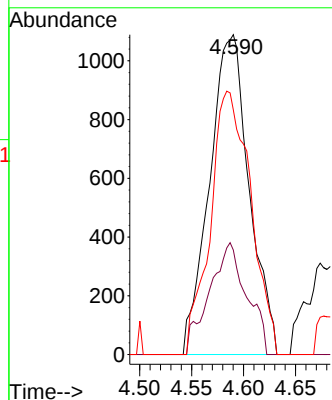
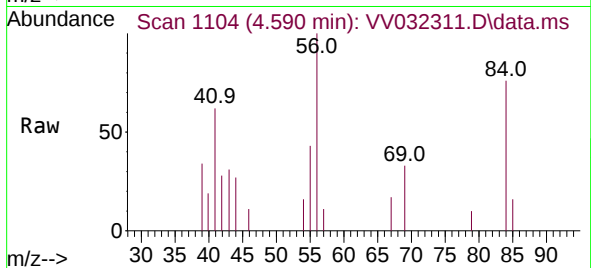
Tgt Ion: 56 Resp: 2895

Ion Ratio Lower Upper

56 100

69 32.9 24.2 36.2

84 83.8 68.1 102.1



#31

Carbon tetrachloride

Concen: 0.584 ug/L

RT: 4.745 min Scan# 1152

Delta R.T. 0.010 min

Lab File: VV032311.D

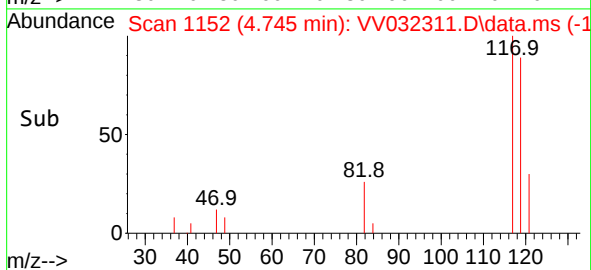
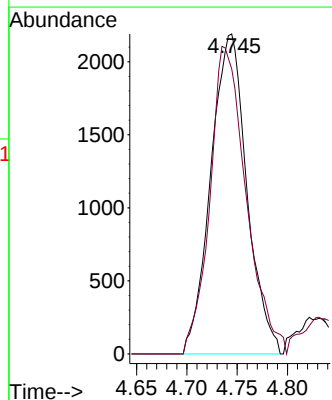
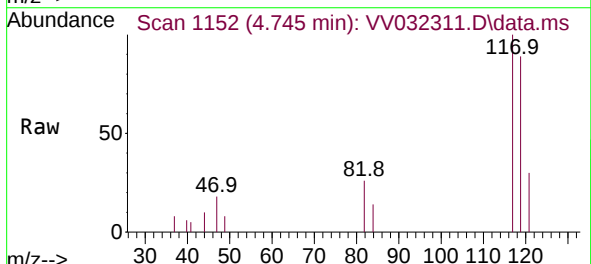
Acq: 06 Oct 2023 19:09

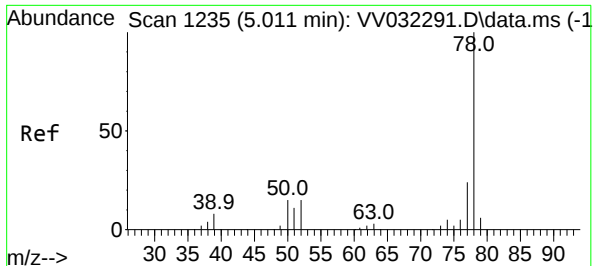
Tgt Ion: 117 Resp: 5462

Ion Ratio Lower Upper

117 100

119 96.2 77.6 116.4

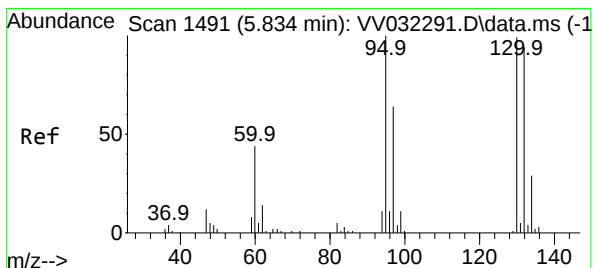
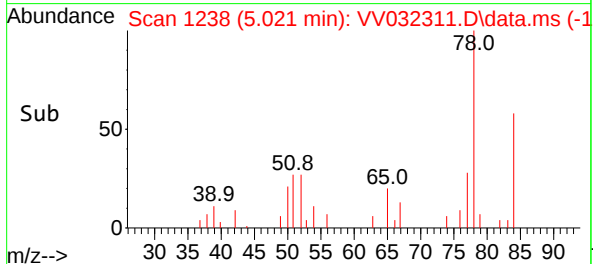
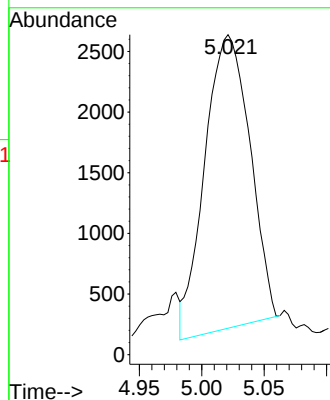
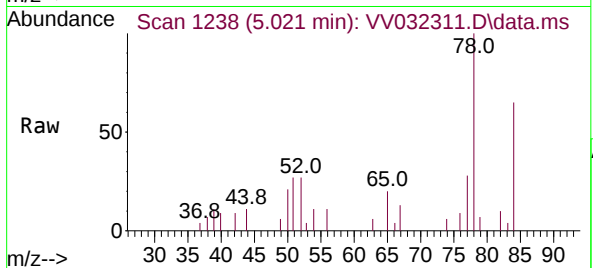




#33
Benzene
Concen: 0.214 ug/L
RT: 5.021 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV032311.D
Acq: 06 Oct 2023 19:09

Instrument :
MSVOA_V
ClientSampleId :

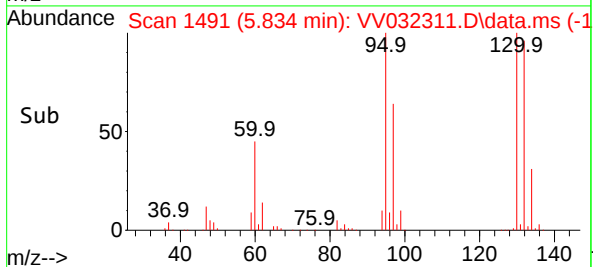
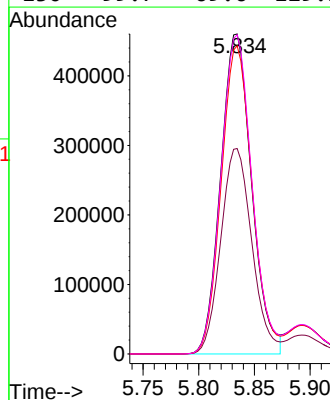
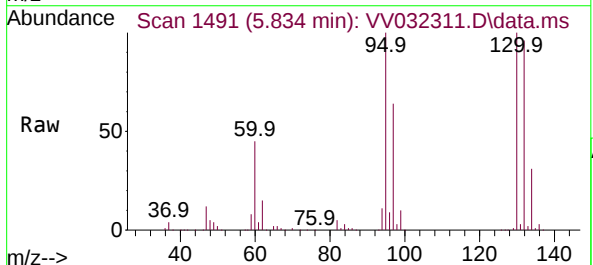
Tgt Ion: 78 Resp: 6112

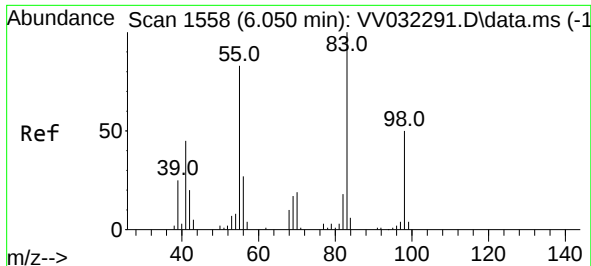


#34
Trichloroethene
Concen: 114.075 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV032311.D
Acq: 06 Oct 2023 19:09

Tgt Ion: 95 Resp: 891421

Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.7	84.9
132	96.3	70.3	130.5
130	99.7	69.6	129.2





#35

Methylcyclohexane

Concen: 0.299 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV032311.D

Acq: 06 Oct 2023 19:09

Instrument :

MSVOA_V

ClientSampleId :

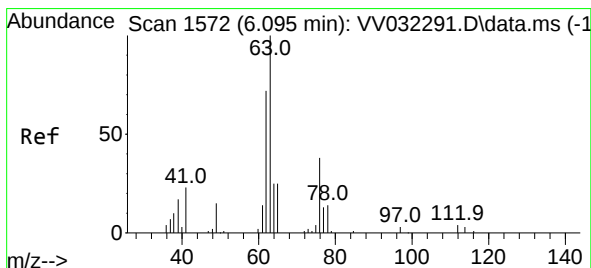
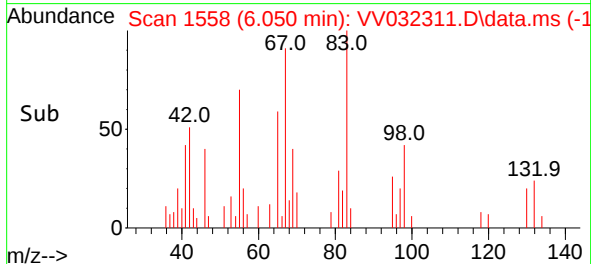
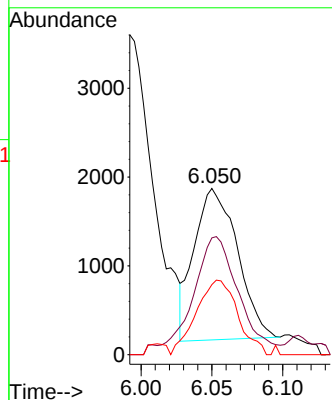
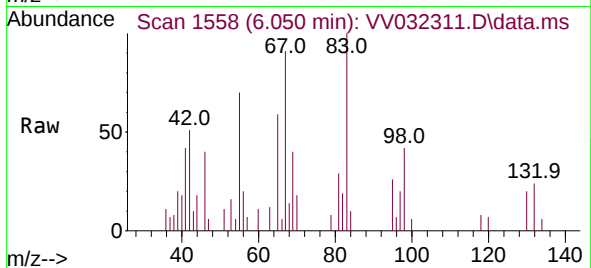
Tgt Ion: 83 Resp: 3618

Ion Ratio Lower Upper

83 100

55 83.6 64.2 96.2

98 47.2 39.6 59.4



#37

1,2-Dichloropropane

Concen: 0.055 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.045 min

Lab File: VV032311.D

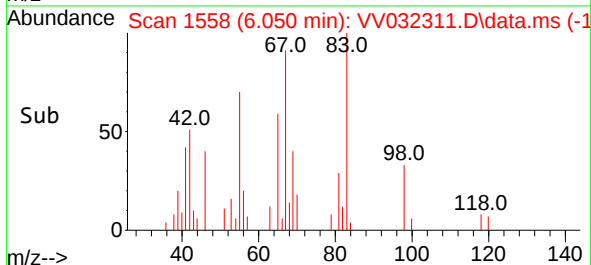
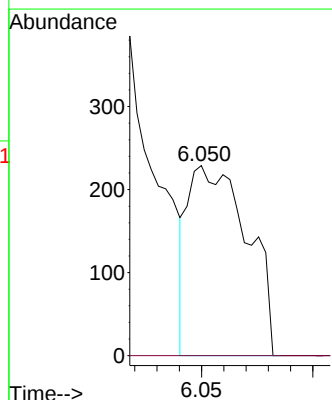
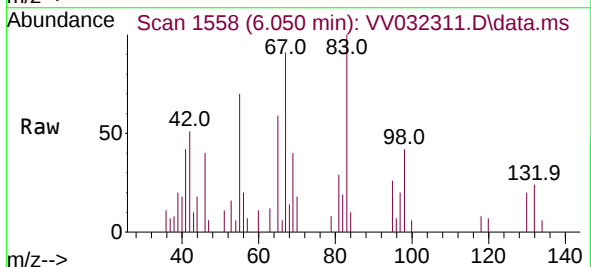
Acq: 06 Oct 2023 19:09

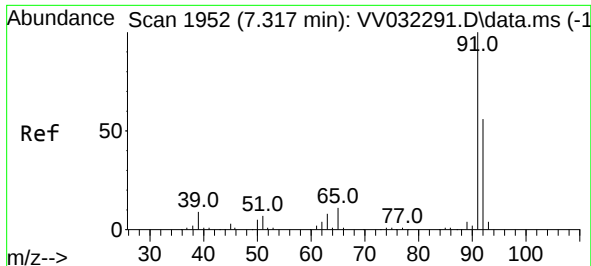
Tgt Ion: 63 Resp: 422

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#

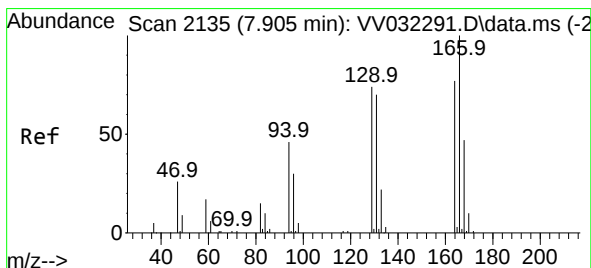
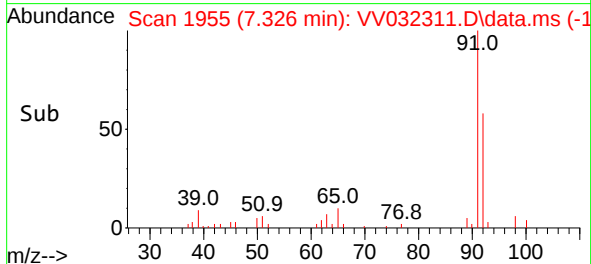
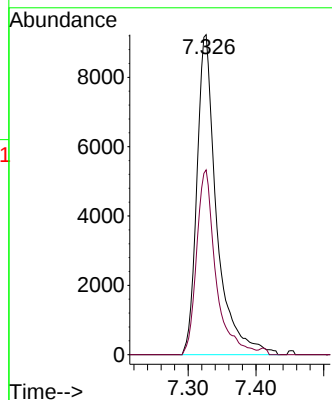
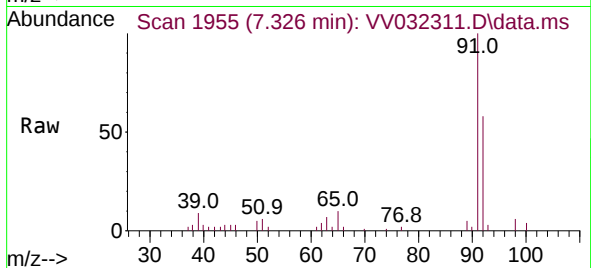




#42
Toluene
Concen: 0.613 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.010 min
Lab File: VV032311.D
Acq: 06 Oct 2023 19:09

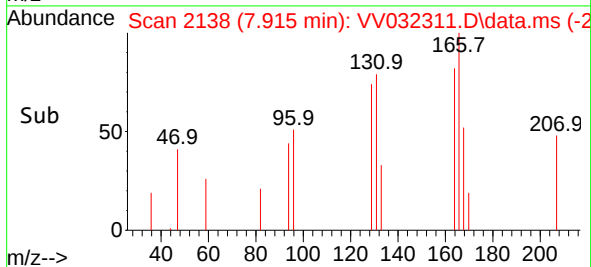
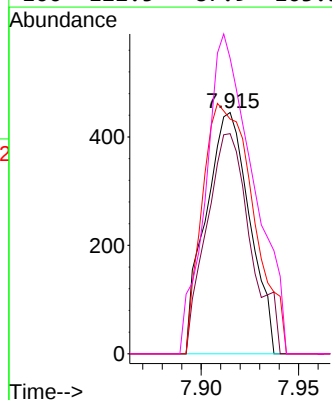
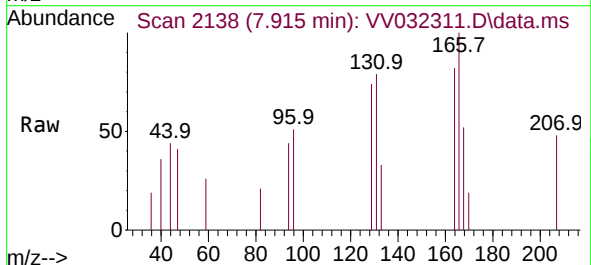
Instrument :
MSVOA_V
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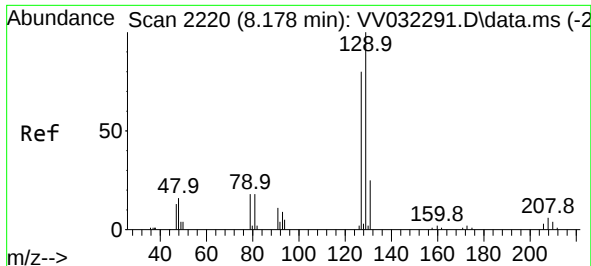
Tgt Ion: 91 Resp: 18702
Ion Ratio Lower Upper
91 100
92 57.7 40.8 75.8



#47
Tetrachloroethene
Concen: 0.117 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.010 min
Lab File: VV032311.D
Acq: 06 Oct 2023 19:09

Tgt Ion:164 Resp: 695
Ion Ratio Lower Upper
164 100
129 91.2 66.4 123.4
131 97.3 63.7 118.3
166 122.5 87.9 163.3

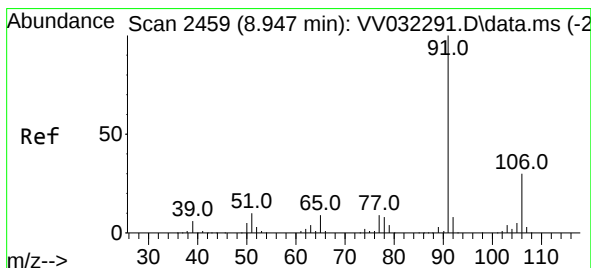
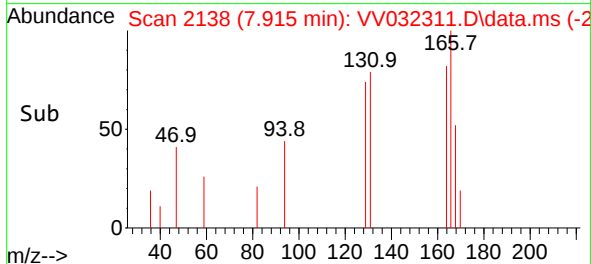
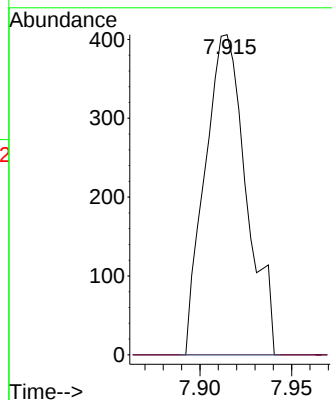
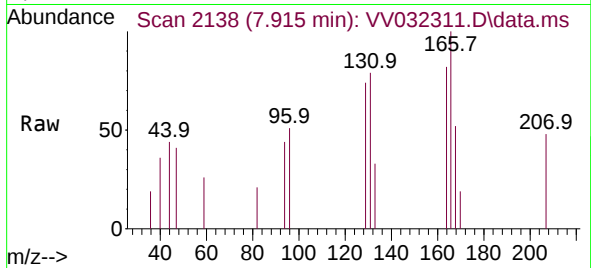




#49
Dibromochloromethane
Concen: 0.113 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. -0.264 min
Lab File: VV032311.D
Acq: 06 Oct 2023 19:09

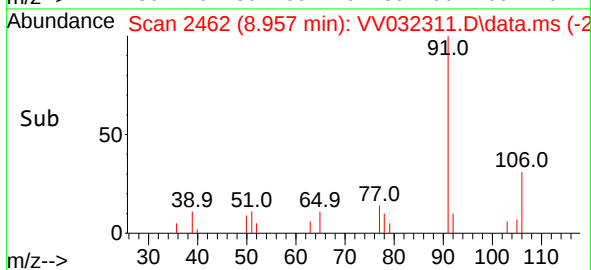
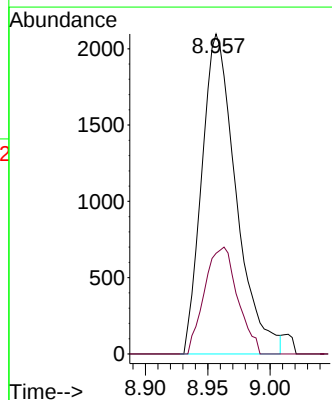
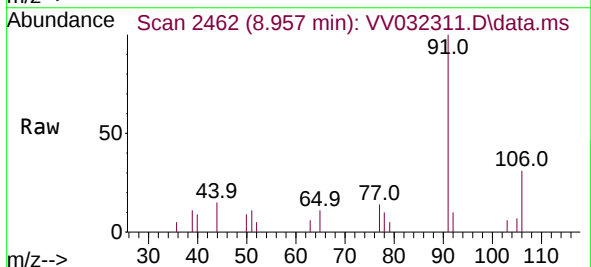
Instrument :
MSVOA_V
ClientSampleId :

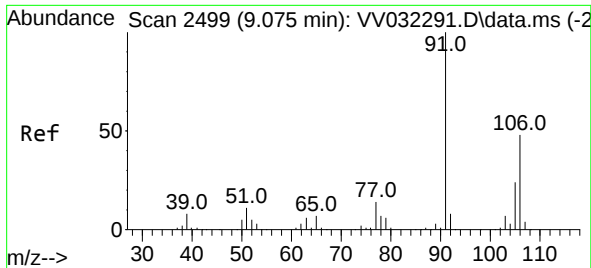
Tgt Ion:129 Resp: 637
Ion Ratio Lower Upper
129 100
127 0.0 57.2 106.2#



#52
Ethylbenzene
Concen: 0.118 ug/L
RT: 8.957 min Scan# 2462
Delta R.T. 0.010 min
Lab File: VV032311.D
Acq: 06 Oct 2023 19:09

Tgt Ion: 91 Resp: 4003
Ion Ratio Lower Upper
91 100
106 31.5 21.3 39.5

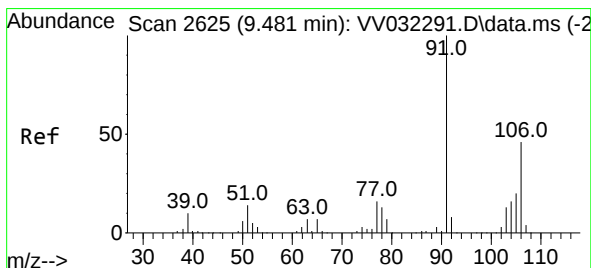
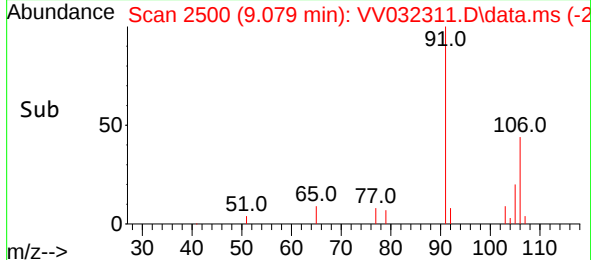
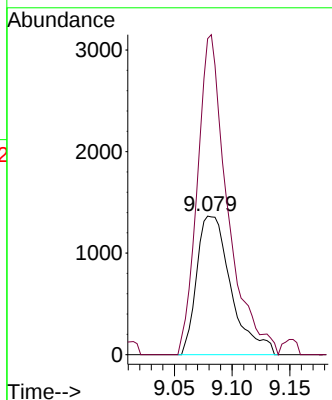
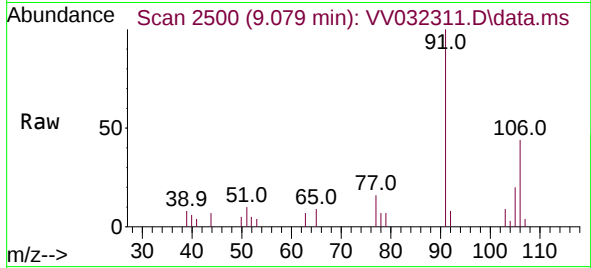




#53
m,p-Xylene
Concen: 0.224 ug/L
RT: 9.079 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV032311.D
Acq: 06 Oct 2023 19:09

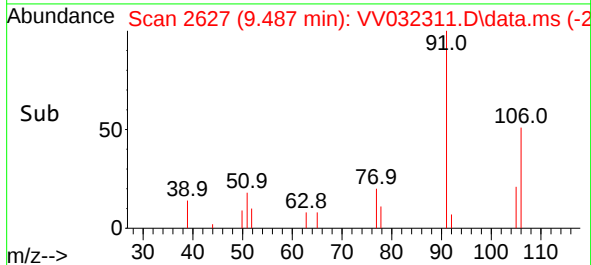
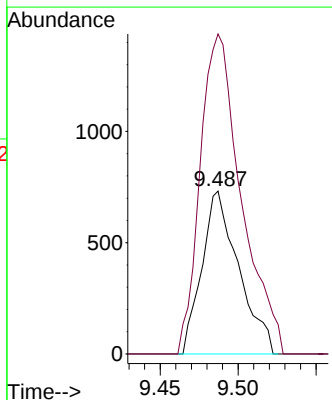
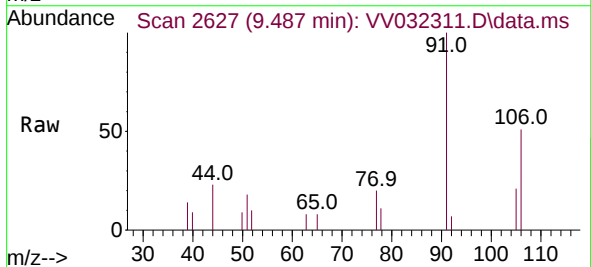
Instrument :
MSVOA_V
ClientSampleId :

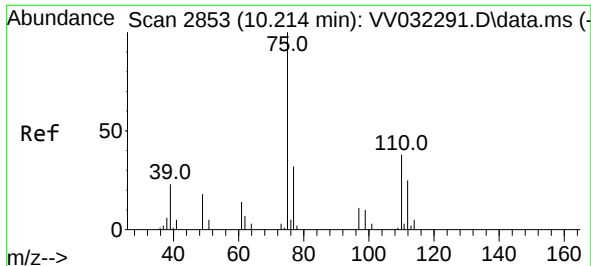
Tgt Ion:106 Resp: 2819
Ion Ratio Lower Upper
106 100
91 228.2 144.5 268.3



#54
o-Xylene
Concen: 0.099 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.007 min
Lab File: VV032311.D
Acq: 06 Oct 2023 19:09

Tgt Ion:106 Resp: 1198
Ion Ratio Lower Upper
106 100
91 196.4 154.8 287.4





#61

1,2,3-Trichloropropane

Concen: 1.180 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.974 min

Lab File: VV032311.D

Acq: 06 Oct 2023 19:09

Instrument :

MSVOA_V

ClientSampleId :

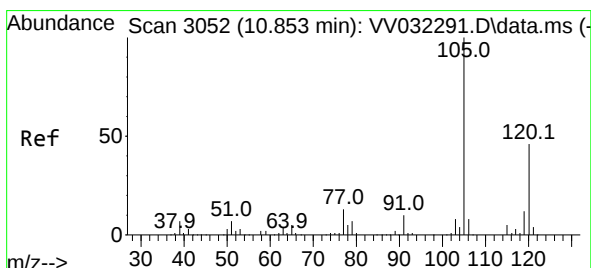
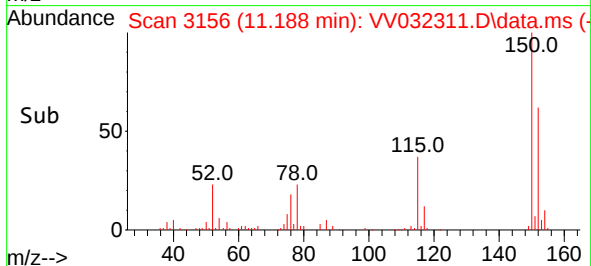
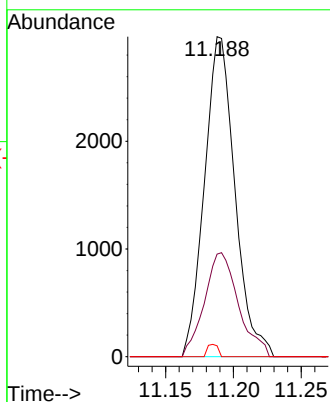
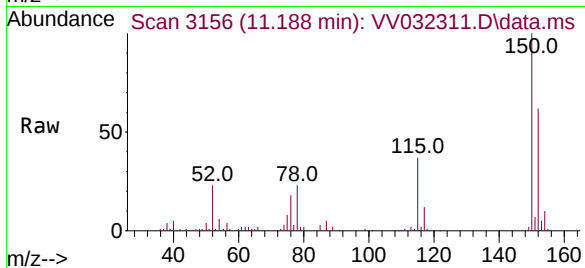
Tgt Ion: 75 Resp: 4638

Ion Ratio Lower Upper

75 100

77 36.3 26.2 39.2

110 1.3 30.6 46.0#



#63

1,2,4-Trimethylbenzene

Concen: 0.078 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.007 min

Lab File: VV032311.D

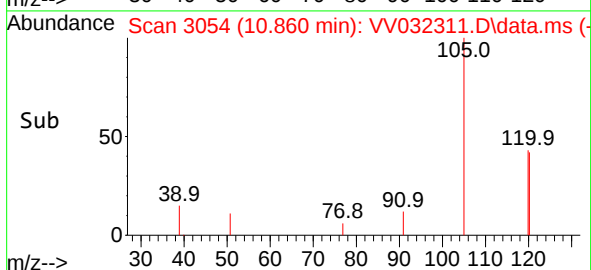
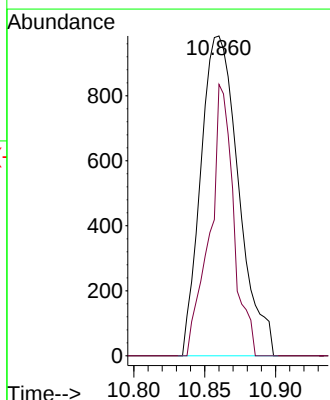
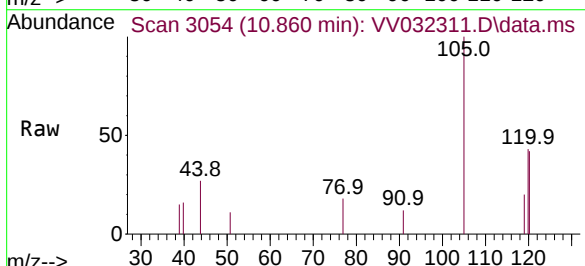
Acq: 06 Oct 2023 19:09

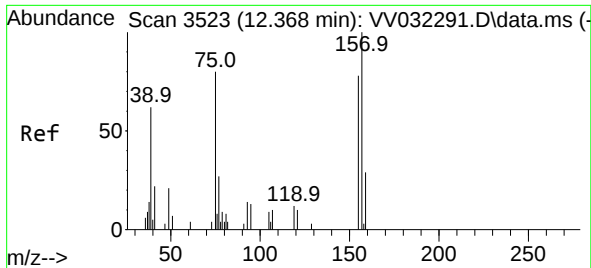
Tgt Ion: 105 Resp: 1828

Ion Ratio Lower Upper

105 100

120 53.3 36.2 54.4





#68

1,2-Dibromo-3-chloropropane

Concen: 0.229 ug/L

RT: 12.198 min Scan# 34

Delta R.T. -0.170 min

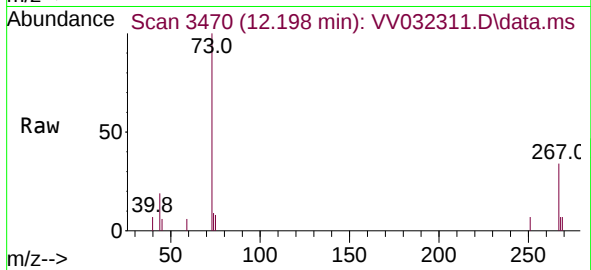
Lab File: VV032311.D

Acq: 06 Oct 2023 19:09

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	75	Resp:	184
Ion	Ratio	Lower	Upper
75	100		
155	0.0	70.2	105.4#
157	0.0	90.6	135.8#

