

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100923\
 Data File : VW032358.D
 Acq On : 10 Oct 2023 03:30
 Operator : SY/MD
 Sample : 04774-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 10 06:03:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 10 05:42:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	79774	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	78352	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	30478	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	34167	5.266	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.400%
7) Chloroethane-d5	1.532	69	27577	5.236	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.800%
11) 1,1-Dichloroethene-d2	2.060	65	13204	4.826	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.600%
20) 2-Butanone-d5	3.796	46	83944	51.147	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.300%
24) Chloroform-d	4.256	84	52424	4.580	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	4.947	65	28125	5.188	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	4.966	84	99483	4.315	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	5.992	67	34188	4.476	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.249	98	86056	4.082	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
43) trans-1,3-Dichloroprop...	7.564	79	12440	4.596	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.030	63	74433	58.445	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.880%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	28802	5.391	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	26594	4.702	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						
					Qvalue	
13) Acetone	2.121	43	4520	3.573	ug/L	89
14) Carbon disulfide	2.240	76	2072	0.101	ug/L #	92
18) trans-1,2-Dichloroethene	2.703	96	1126	0.168	ug/L	93
22) cis-1,2-Dichloroethene	3.818	96	9448	1.309	ug/L	97
25) Chloroform	4.281	83	8399	0.679	ug/L	99
31) Carbon tetrachloride	4.741	117	6976	0.774	ug/L	91
33) Benzene	5.024	78	10055	0.364	ug/L	100
34) Trichloroethene	5.834	95	1129803	150.027	ug/L	98
35) Methylcyclohexane	6.050	83	6210	0.533	ug/L	89
42) Toluene	7.323	91	24300	0.826	ug/L	99
47) Tetrachloroethene	7.911	164	1072	0.188	ug/L	92
49) Dibromochloromethane	7.915	129	1185	0.219	ug/L #	8
52) Ethylbenzene	8.956	91	6277	0.192	ug/L	99
53) m,p-Xylene	9.079	106	4007	0.330	ug/L	95
54) o-Xylene	9.490	106	1847	0.158	ug/L	84
61) 1,2,3-Trichloropropane	11.188	75	4019	1.239	ug/L #	61
62) 1,3,5-Trimethylbenzene	10.863	105	2911	0.151	ug/L	94
63) 1,2,4-Trimethylbenzene	10.863	105	2911	0.151	ug/L	100
71) Naphthalene	13.451	128	973	0.078	ug/L #	69

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Response via : Initial Calibration

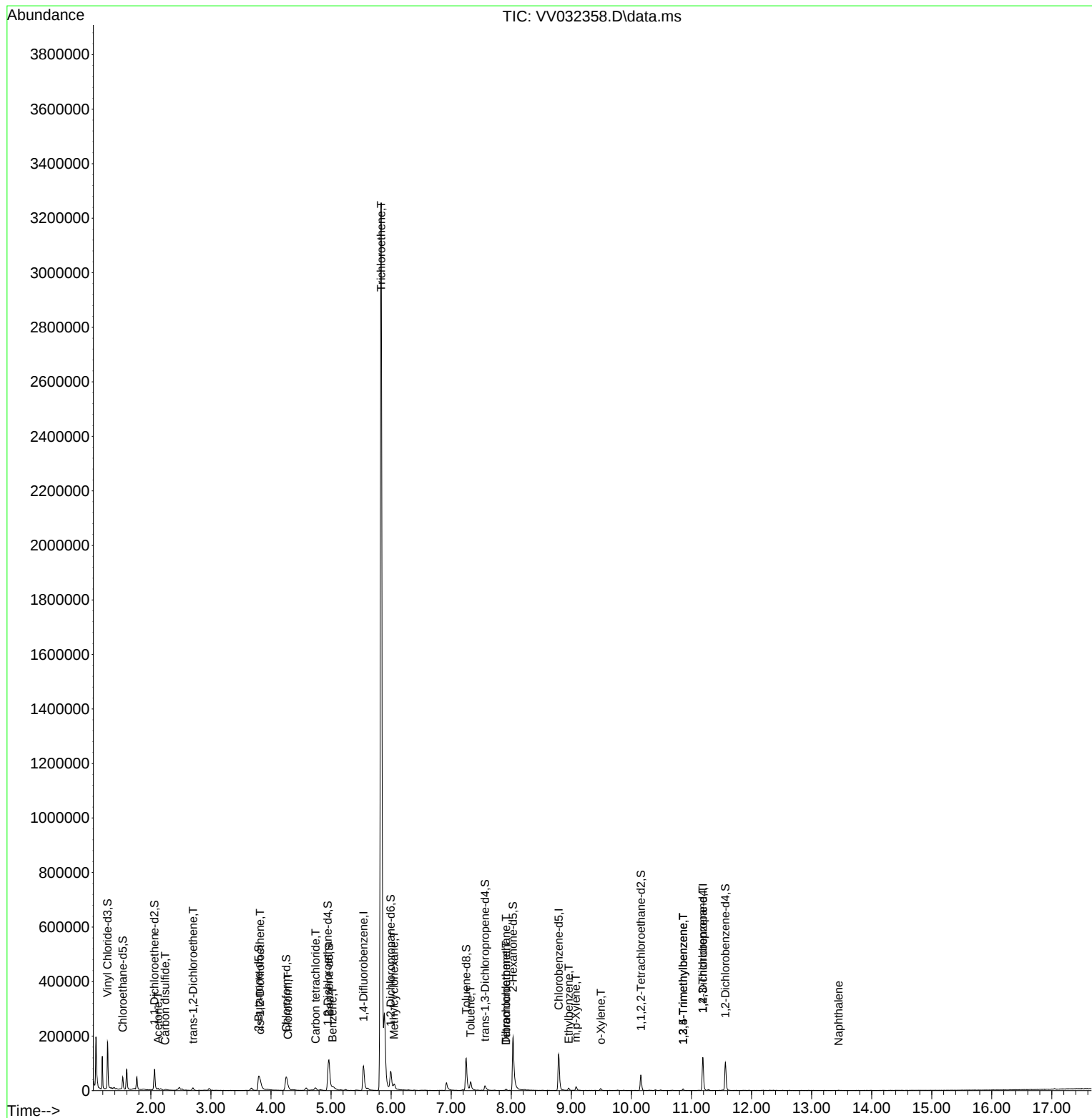
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

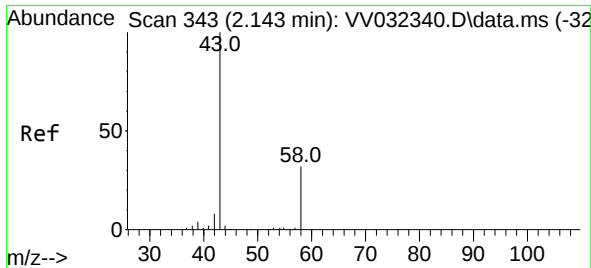
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.573 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.022 min

Lab File: VV032358.D

Acq: 10 Oct 2023 03:30

Instrument :

MSVOA_V

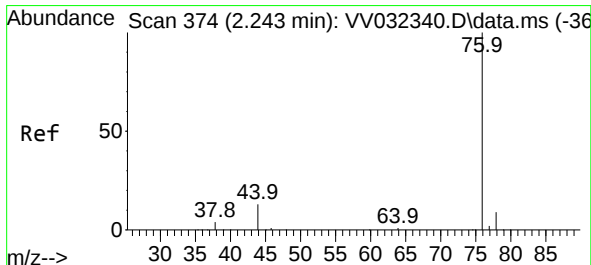
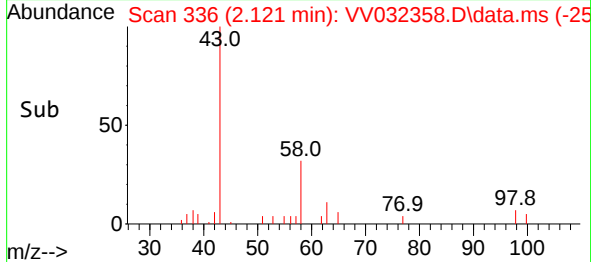
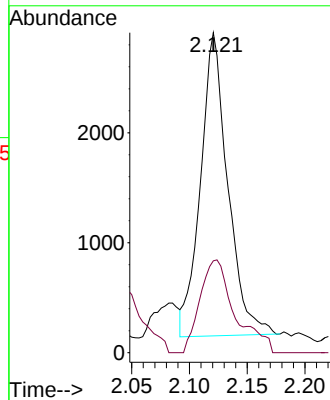
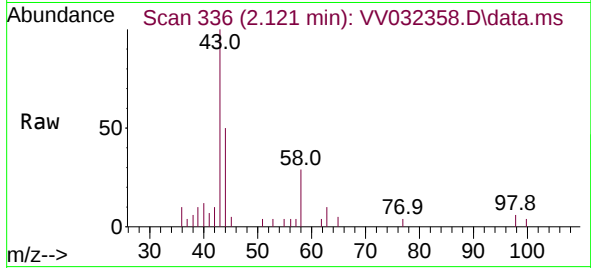
ClientSampleId :

Tgt Ion: 43 Resp: 4520

Ion Ratio Lower Upper

43 100

58 39.3 0.0 66.0



#14

Carbon disulfide

Concen: 0.101 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV032358.D

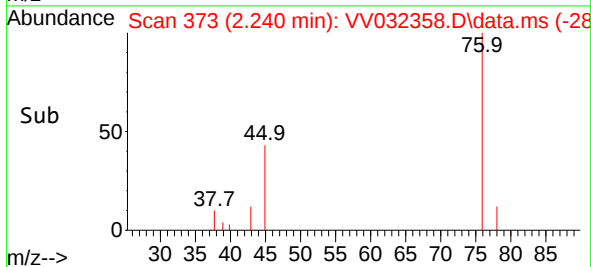
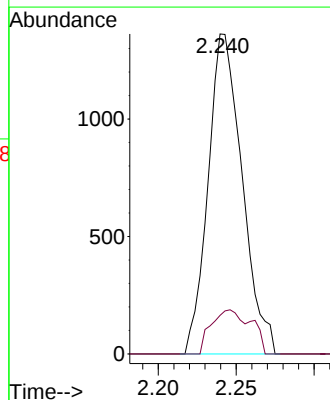
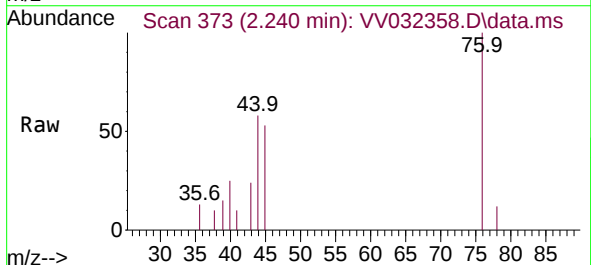
Acq: 10 Oct 2023 03:30

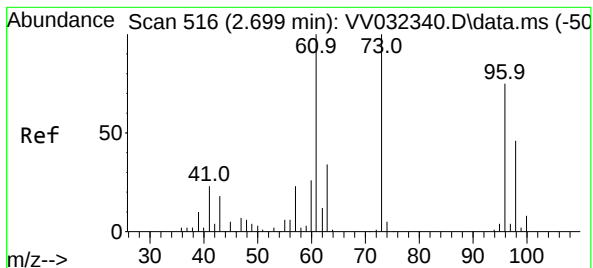
Tgt Ion: 76 Resp: 2072

Ion Ratio Lower Upper

76 100

78 12.0 7.4 11.2#





#18

trans-1,2-Dichloroethene

Concen: 0.168 ug/L

RT: 2.703 min Scan# 516

Delta R.T. 0.003 min

Lab File: VV032358.D

Acq: 10 Oct 2023 03:30

Instrument :

MSVOA_V

ClientSampleId :

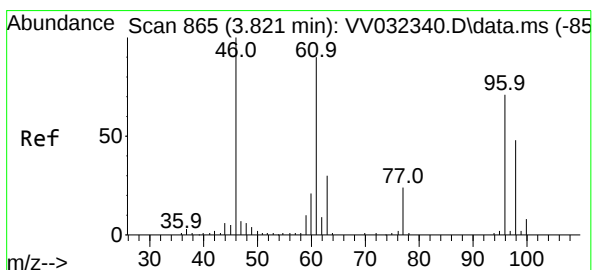
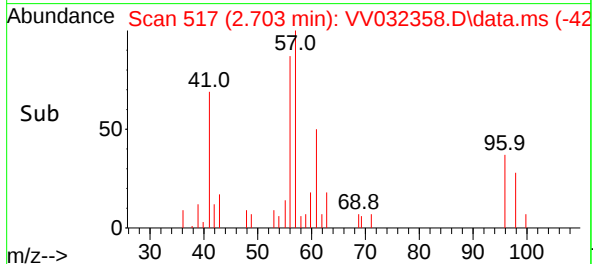
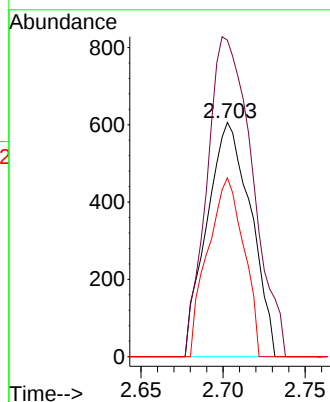
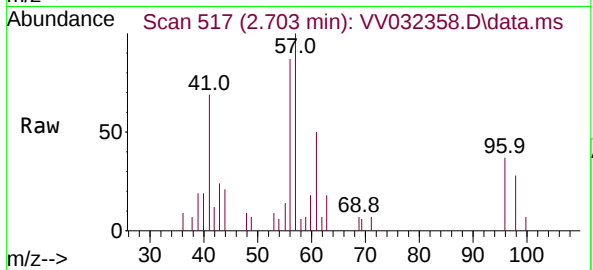
Tgt Ion: 96 Resp: 1126

Ion Ratio Lower Upper

96 100

61 135.1 96.9 180.1

98 76.4 45.3 84.1



#22

cis-1,2-Dichloroethene

Concen: 1.309 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV032358.D

Acq: 10 Oct 2023 03:30

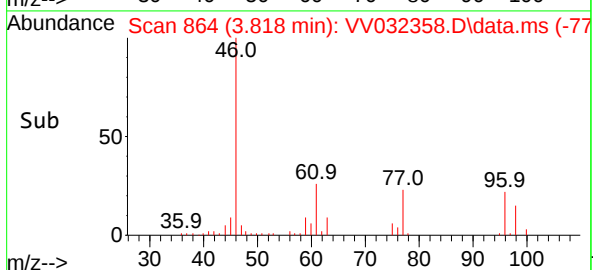
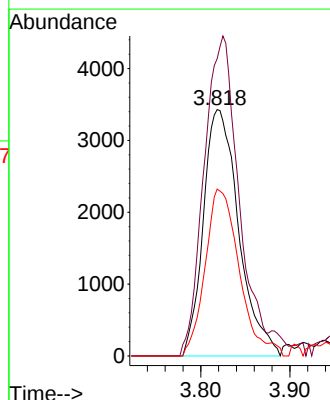
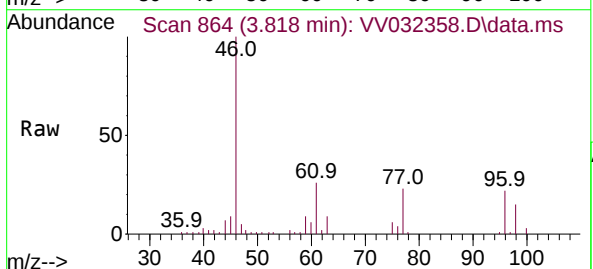
Tgt Ion: 96 Resp: 9448

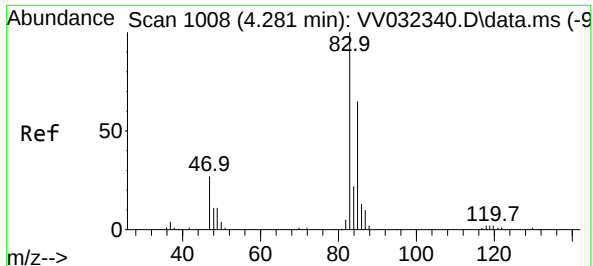
Ion Ratio Lower Upper

96 100

61 120.6 85.8 159.4

98 67.7 44.0 81.6





#25

Chloroform

Concen: 0.679 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.000 min

Lab File: VV032358.D

Acq: 10 Oct 2023 03:30

Instrument :

MSVOA_V

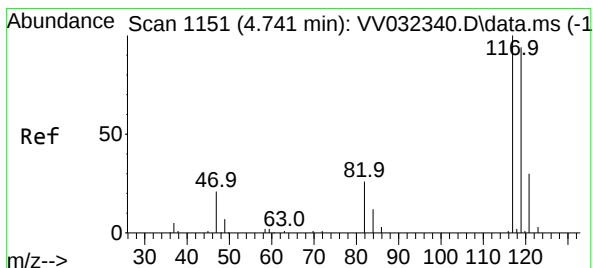
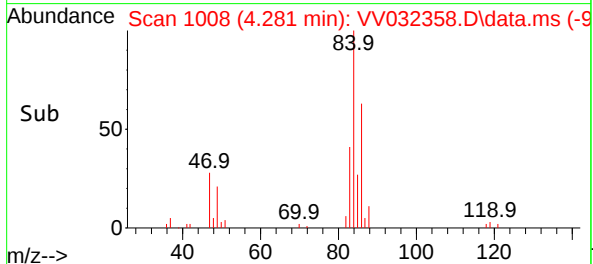
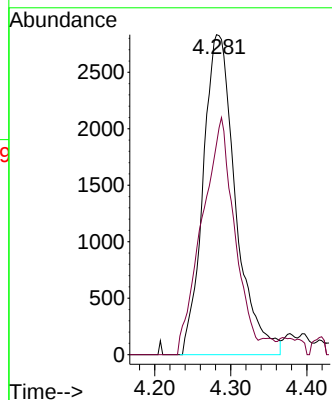
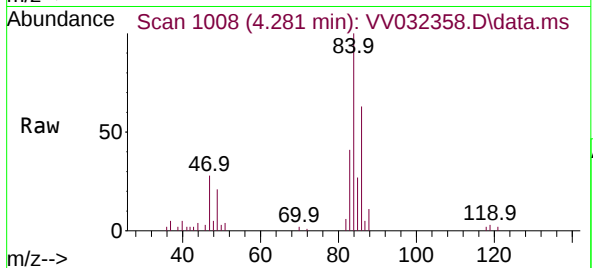
ClientSampleId :

Tgt Ion: 83 Resp: 8399

Ion Ratio Lower Upper

83 100

85 65.9 45.4 84.4



#31

Carbon tetrachloride

Concen: 0.774 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VV032358.D

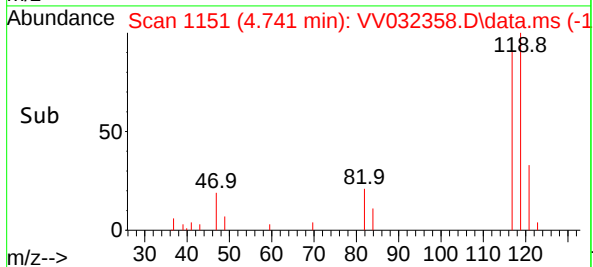
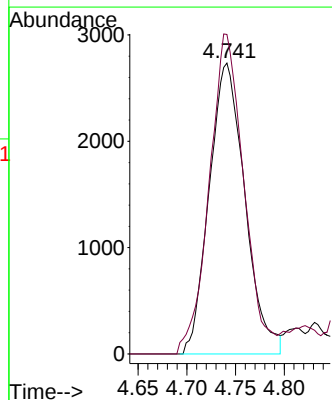
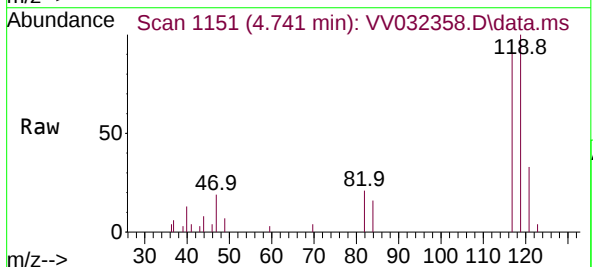
Acq: 10 Oct 2023 03:30

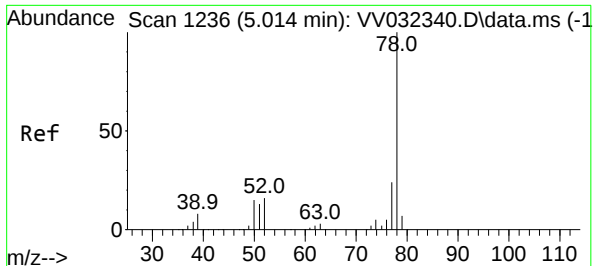
Tgt Ion: 117 Resp: 6976

Ion Ratio Lower Upper

117 100

119 106.2 77.6 116.4





#33

Benzene

Concen: 0.364 ug/L

RT: 5.024 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV032358.D

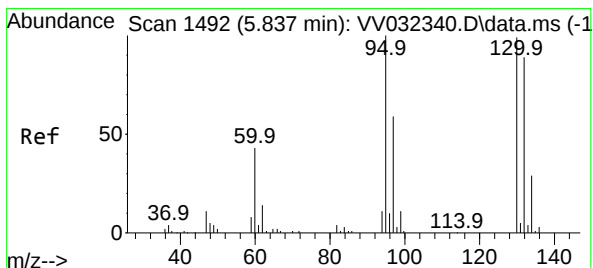
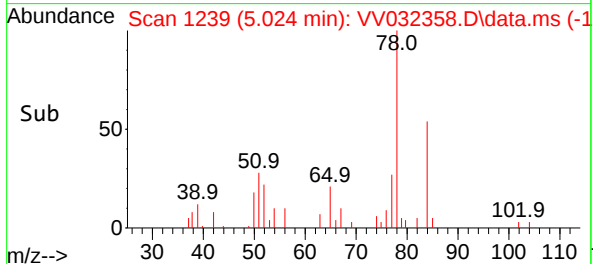
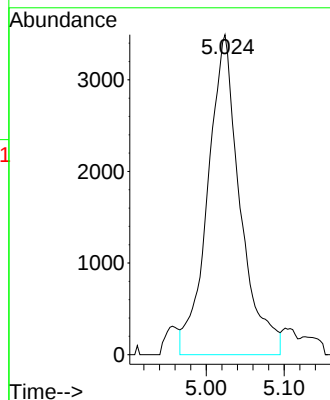
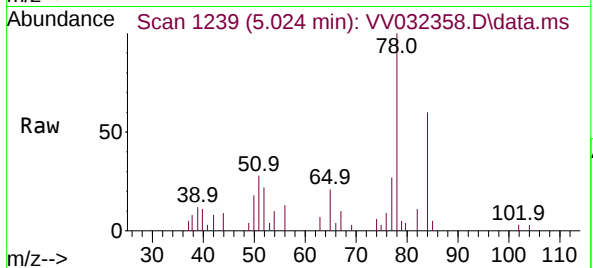
Acq: 10 Oct 2023 03:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 10055



#34

Trichloroethene

Concen: 150.027 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV032358.D

Acq: 10 Oct 2023 03:30

Tgt Ion: 95 Resp: 1129803

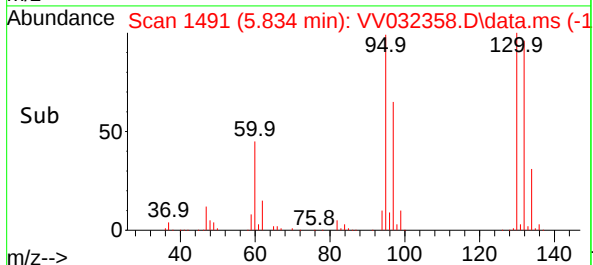
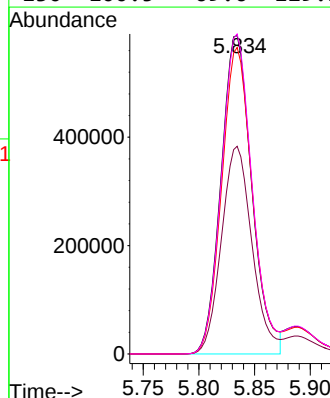
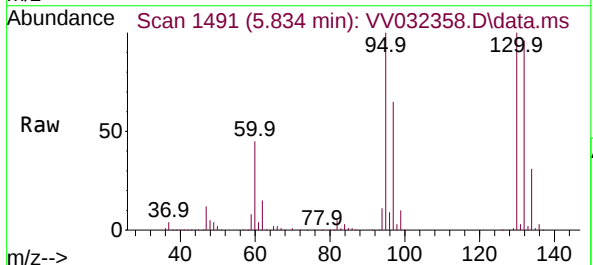
Ion Ratio Lower Upper

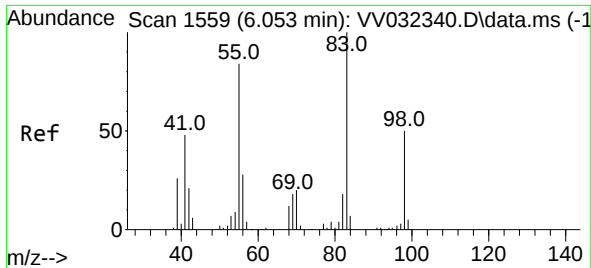
95 100

97 65.2 45.7 84.9

132 96.3 70.3 130.5

130 100.5 69.6 129.2

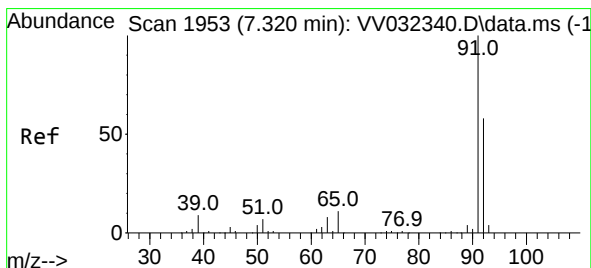
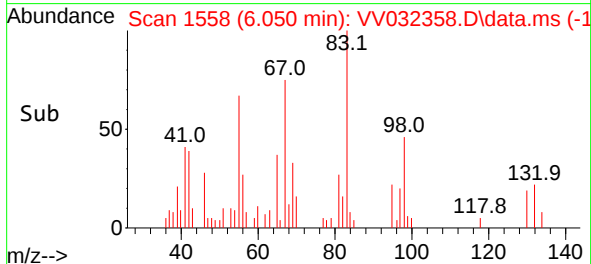
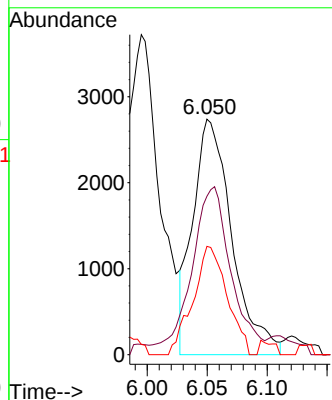
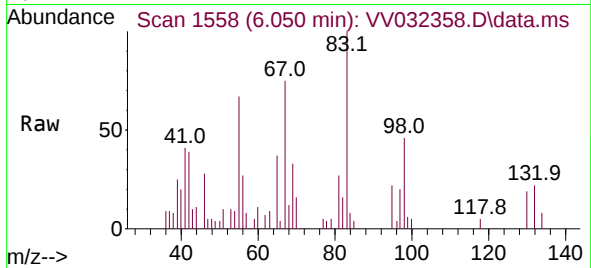




#35
Methylcyclohexane
Concen: 0.533 ug/L
RT: 6.050 min Scan# 1559
Delta R.T. -0.003 min
Lab File: VV032358.D
Acq: 10 Oct 2023 03:30

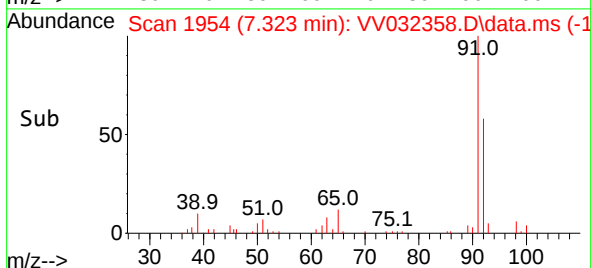
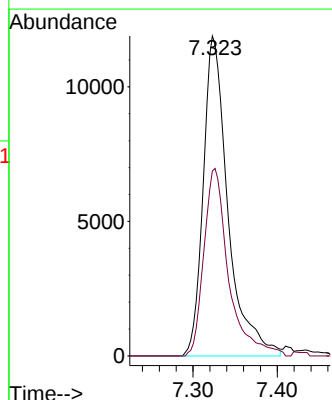
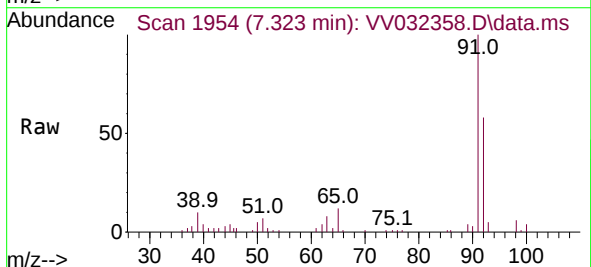
Instrument :
MSVOA_V
ClientSampleId :

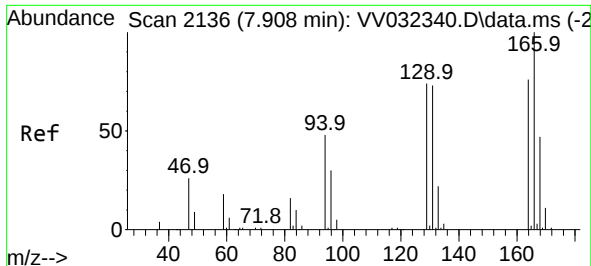
Tgt Ion: 83 Resp: 6210
Ion Ratio Lower Upper
83 100
55 72.6 64.2 96.2
98 40.0 39.6 59.4



#42
Toluene
Concen: 0.826 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.003 min
Lab File: VV032358.D
Acq: 10 Oct 2023 03:30

Tgt Ion: 91 Resp: 24300
Ion Ratio Lower Upper
91 100
92 57.8 40.8 75.8





#47

Tetrachloroethene

Concen: 0.188 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV032358.D

Acq: 10 Oct 2023 03:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 1072

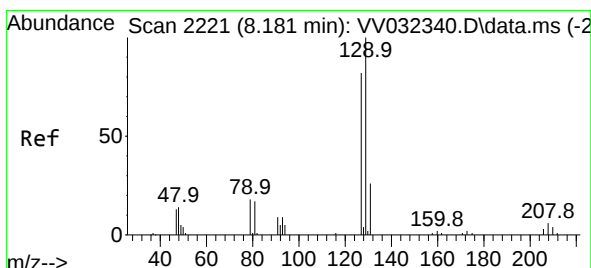
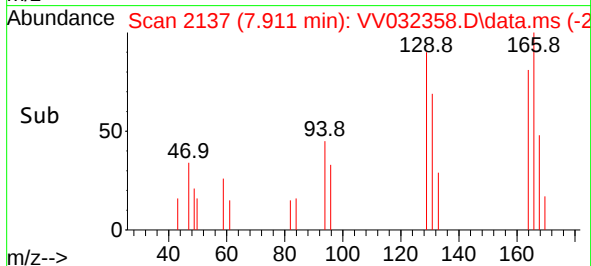
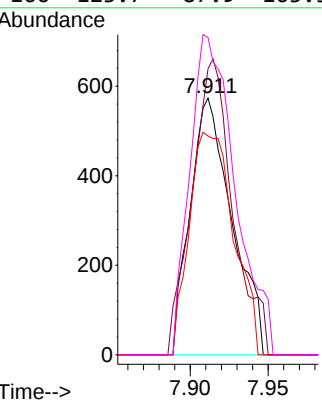
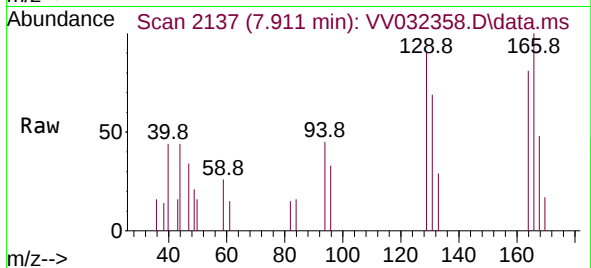
Ion Ratio Lower Upper

164 100

129 111.5 66.4 123.4

131 85.3 63.7 118.3

166 123.7 87.9 163.3



#49

Dibromochloromethane

Concen: 0.219 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.267 min

Lab File: VV032358.D

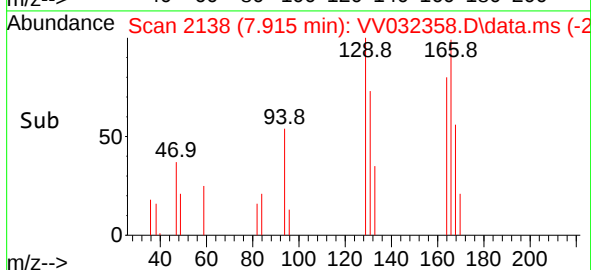
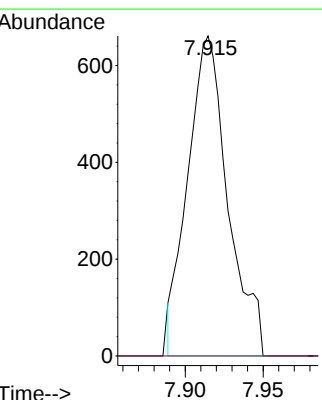
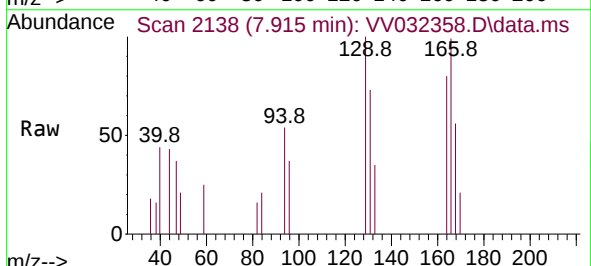
Acq: 10 Oct 2023 03:30

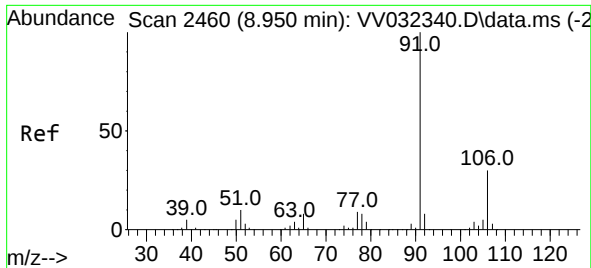
Tgt Ion:129 Resp: 1185

Ion Ratio Lower Upper

129 100

127 0.0 57.2 106.2#

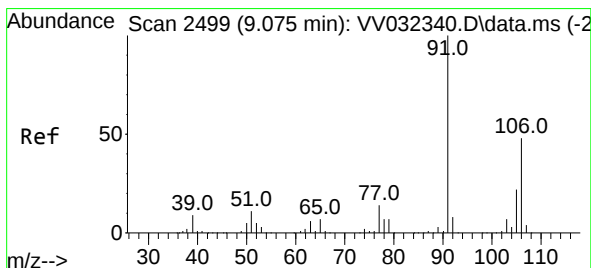
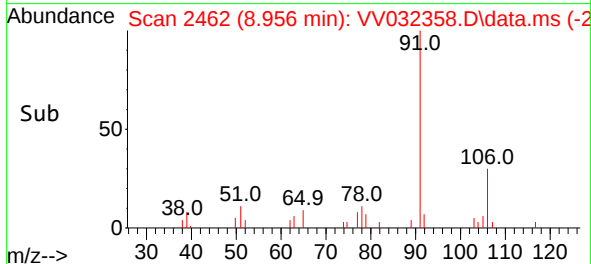
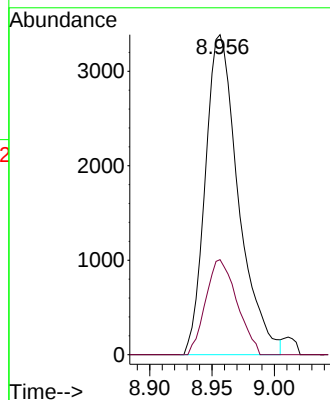
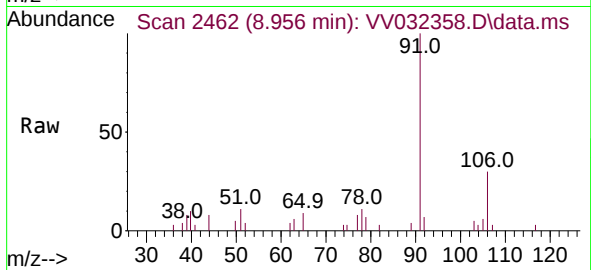




#52
Ethylbenzene
Concen: 0.192 ug/L
RT: 8.956 min Scan# 2460
Delta R.T. 0.006 min
Lab File: VV032358.D
Acq: 10 Oct 2023 03:30

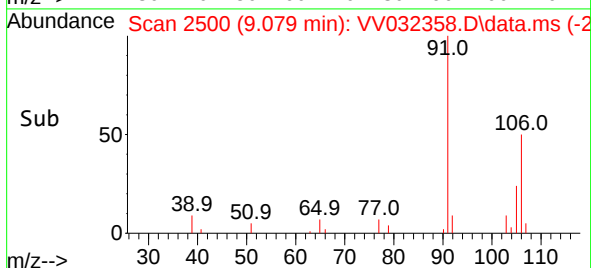
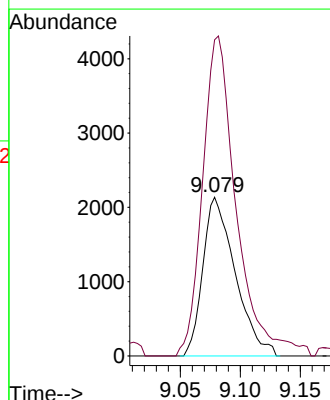
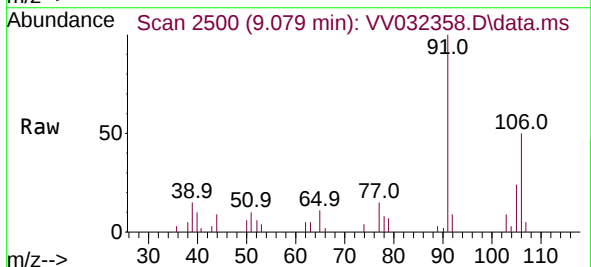
Instrument :
MSVOA_V
ClientSampleId :

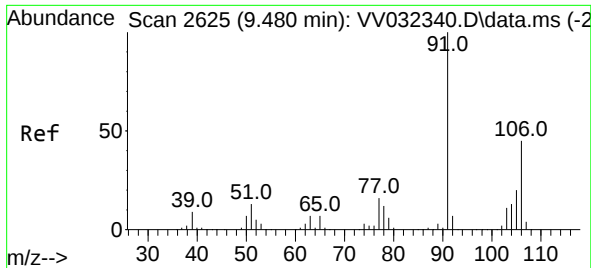
Tgt Ion: 91 Resp: 6277
Ion Ratio Lower Upper
91 100
106 29.7 21.3 39.5



#53
m,p-Xylene
Concen: 0.330 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.003 min
Lab File: VV032358.D
Acq: 10 Oct 2023 03:30

Tgt Ion: 106 Resp: 4007
Ion Ratio Lower Upper
106 100
91 199.2 144.5 268.3

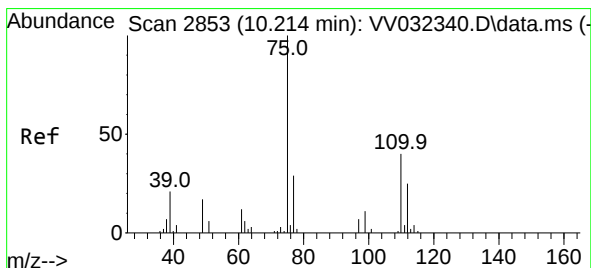
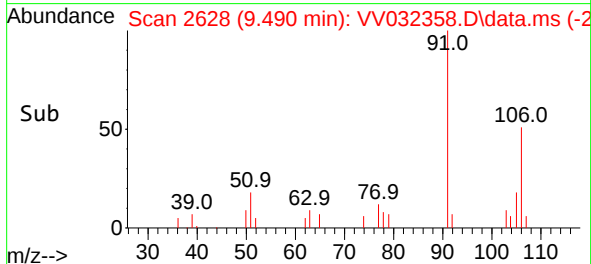
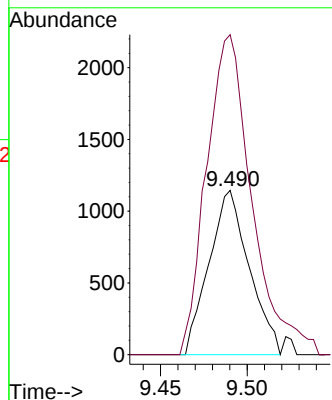
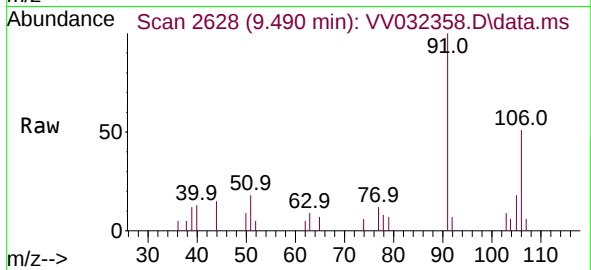




#54
o-Xylene
Concen: 0.158 ug/L
RT: 9.490 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV032358.D
Acq: 10 Oct 2023 03:30

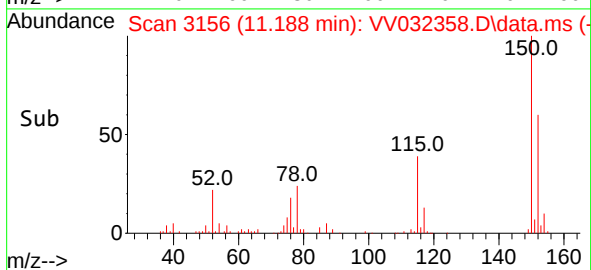
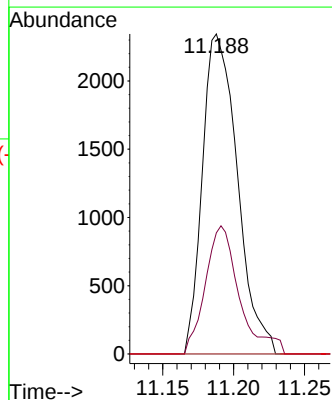
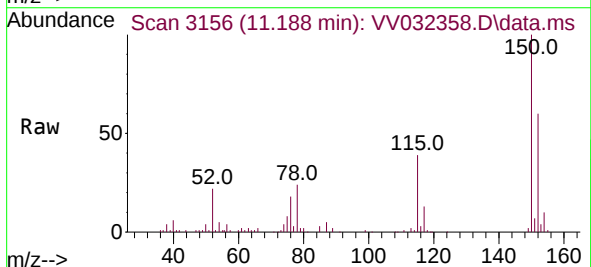
Instrument :
MSVOA_V
ClientSampleId :

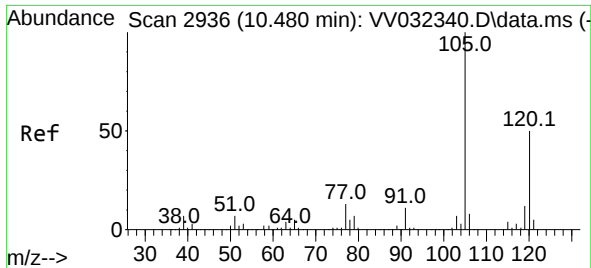
Tgt Ion:106 Resp: 1847
Ion Ratio Lower Upper
106 100
91 194.8 154.8 287.4



#61
1,2,3-Trichloropropane
Concen: 1.239 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.974 min
Lab File: VV032358.D
Acq: 10 Oct 2023 03:30

Tgt Ion: 75 Resp: 4019
Ion Ratio Lower Upper
75 100
77 39.0 26.2 39.2
110 0.0 30.6 46.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.151 ug/L

RT: 10.863 min Scan# 3055

Delta R.T. 0.383 min

Lab File: VV032358.D

Acq: 10 Oct 2023 03:30

Instrument :

MSVOA_V

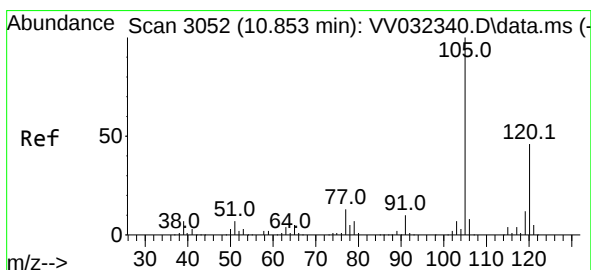
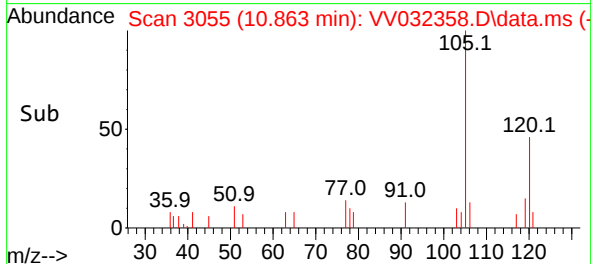
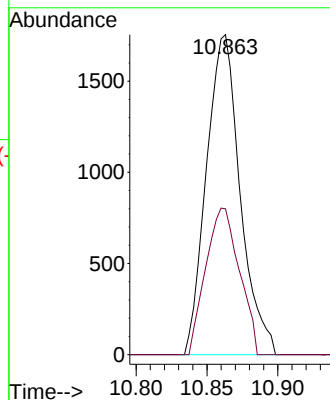
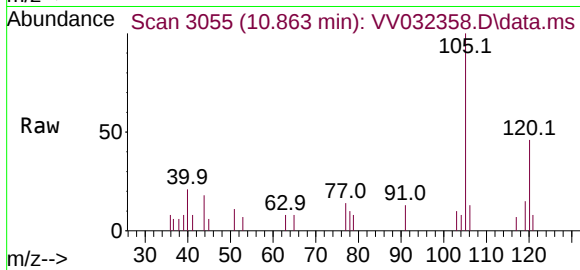
ClientSampleId :

Tgt Ion:105 Resp: 2911

Ion Ratio Lower Upper

105 100

120 45.6 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 0.151 ug/L

RT: 10.863 min Scan# 3055

Delta R.T. 0.010 min

Lab File: VV032358.D

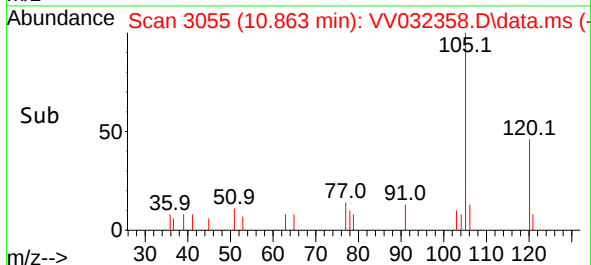
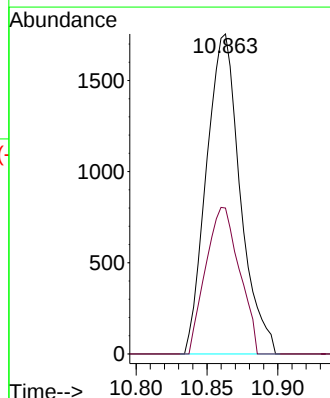
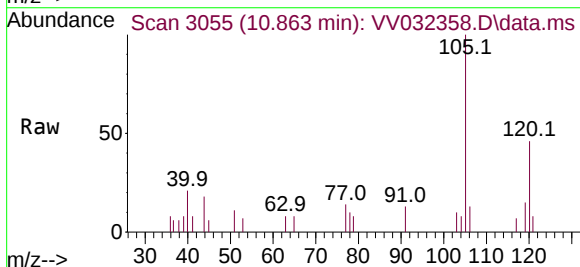
Acq: 10 Oct 2023 03:30

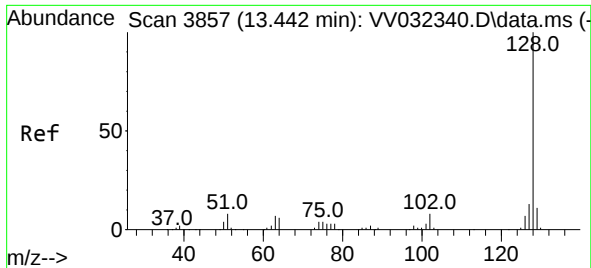
Tgt Ion:105 Resp: 2911

Ion Ratio Lower Upper

105 100

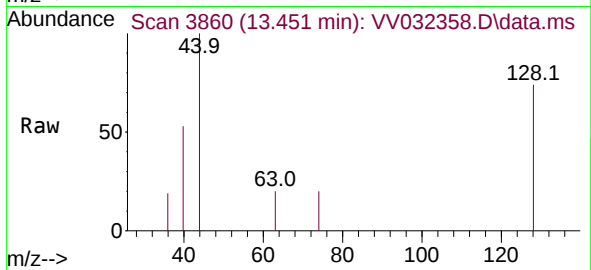
120 45.6 36.2 54.4





#71
Naphthalene
Concen: 0.078 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.010 min
Lab File: VV032358.D
Acq: 10 Oct 2023 03:30

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	973
Ion	Ratio	Lower	Upper
128	100		
129	0.0	9.0	13.4#
127	0.0	10.2	15.2#

