

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100923\
 Data File : VW032351.D
 Acq On : 10 Oct 2023 00:40
 Operator : SY/MD
 Sample : 04774-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 10 06:01:28 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	5.538	114	97180	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	100381	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	44610	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	42989	5.439	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.800%
7) Chloroethane-d5	1.532	69	34888	5.438	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.059	65	15903	4.771	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.400%
20) 2-Butanone-d5	3.802	46	99379	49.706	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.420%
24) Chloroform-d	4.252	84	66554	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	4.950	65	34129	5.168	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	4.963	84	128712	4.358	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
36) 1,2-Dichloropropane-d6	5.992	67	42346	4.327	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.249	98	115203	4.265	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	7.561	79	14617	4.215	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.030	63	86540	53.039	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.080%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	34176	4.993	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	39401	4.760	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
						Qvalue
13) Acetone	2.127	43	6066	3.936	ug/L	86
18) trans-1,2-Dichloroethene	2.699	96	10212	1.251	ug/L	98
19) 1,1-Dichloroethane	3.121	63	4322	0.281	ug/L	96
22) cis-1,2-Dichloroethene	3.818	96	10875	1.237	ug/L	95
30) Cyclohexane	4.587	56	2815	0.188	ug/L	97
33) Benzene	5.021	78	13093	0.370	ug/L	100
34) Trichloroethene	5.834	95	177209	18.368	ug/L	98
35) Methylcyclohexane	6.050	83	4336	0.290	ug/L #	75
39) cis-1,3-Dichloropropene	6.921	75	945	0.070	ug/L #	59
42) Toluene	7.323	91	29176	0.774	ug/L	98
52) Ethylbenzene	8.956	91	6144	0.146	ug/L	89
53) m,p-Xylene	9.078	106	5232	0.336	ug/L	99
54) o-Xylene	9.487	106	2401	0.160	ug/L	87
62) 1,3,5-Trimethylbenzene	10.860	105	4114	0.146	ug/L	90
63) 1,2,4-Trimethylbenzene	10.860	105	4114	0.146	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.204	75	527	0.543	ug/L #	1
71) Naphthalene	13.451	128	1720	0.094	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100923\
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Quant Time: Oct 10 06:01:28 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

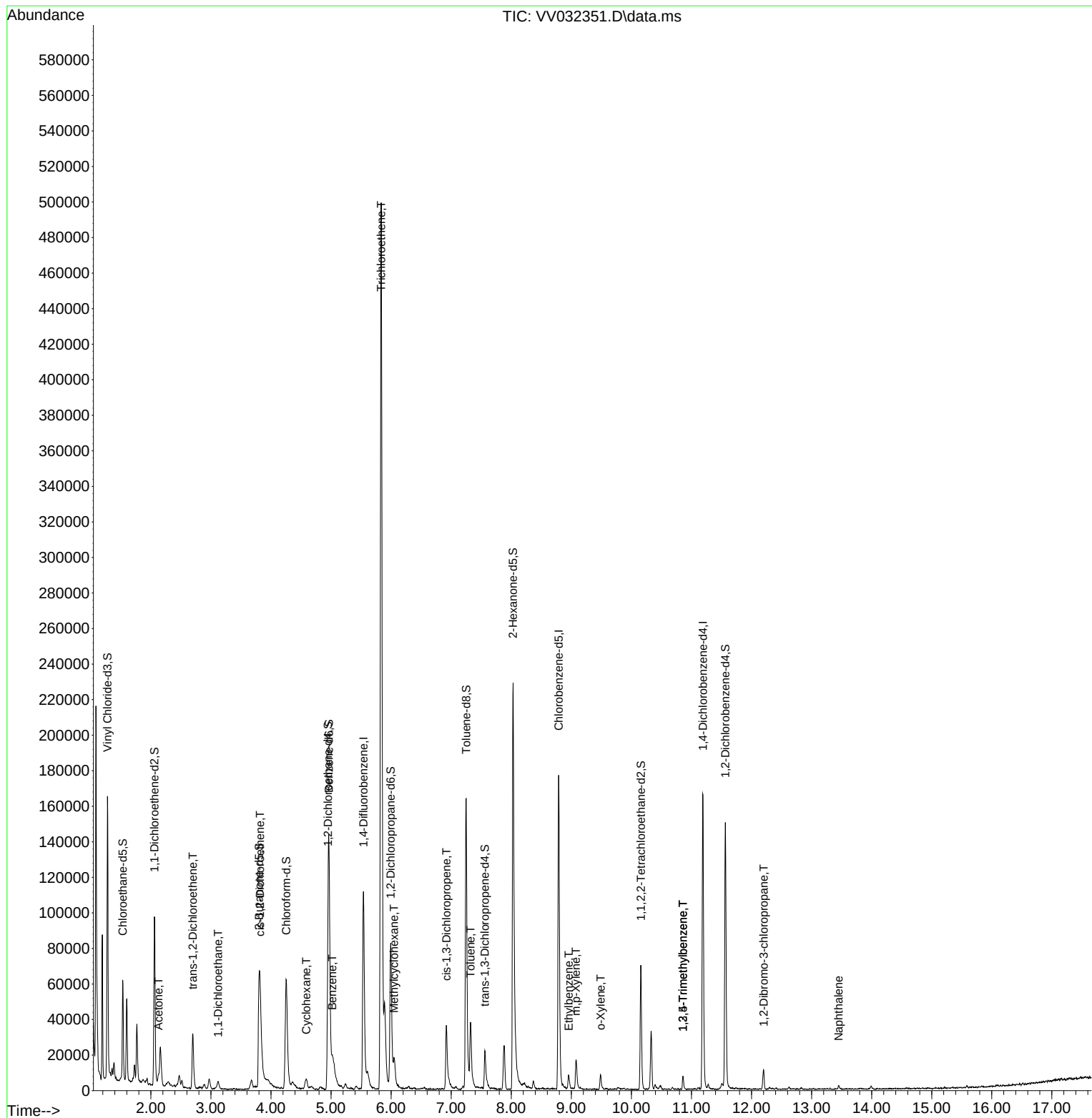
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

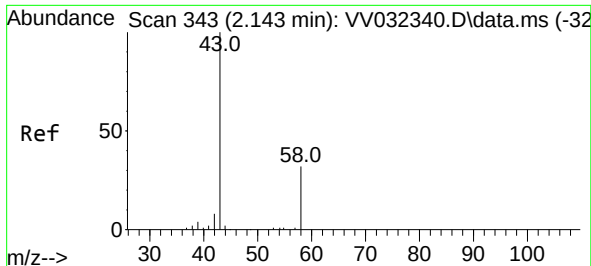
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#13

Acetone

Concen: 3.936 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.016 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

Instrument :

MSVOA_V

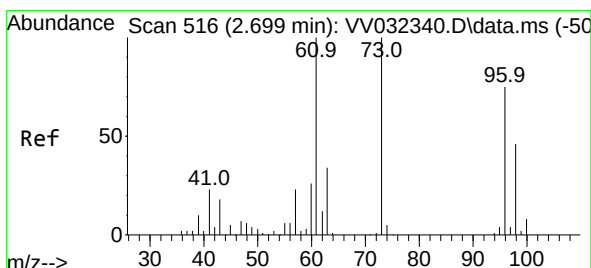
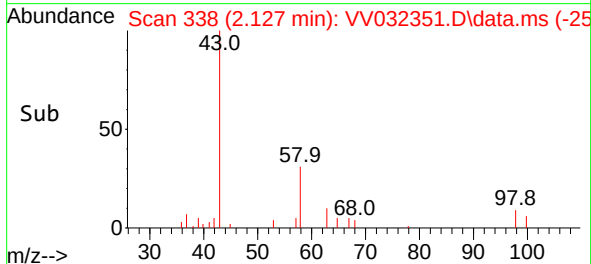
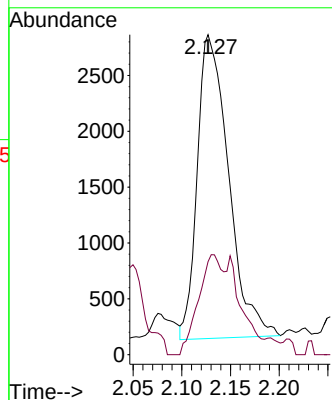
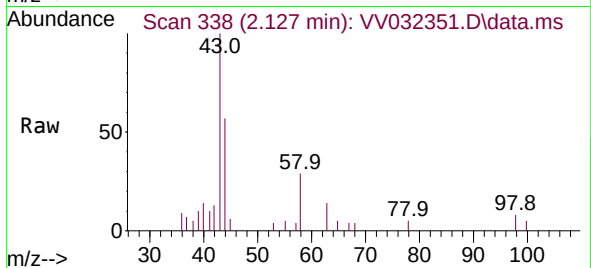
ClientSampleId :

Tgt Ion: 43 Resp: 6066

Ion Ratio Lower Upper

43 100

58 25.2 0.0 66.0



#18

trans-1,2-Dichloroethene

Concen: 1.251 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

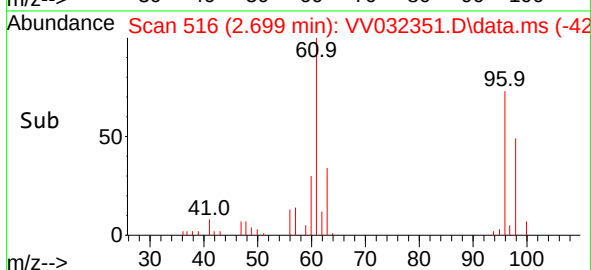
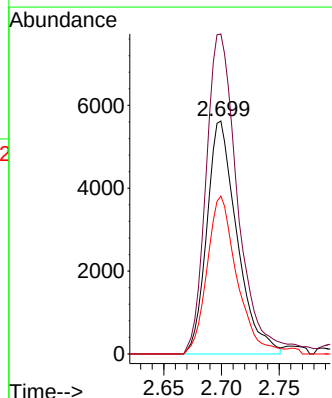
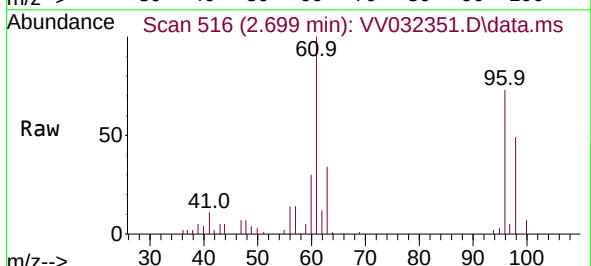
Tgt Ion: 96 Resp: 10212

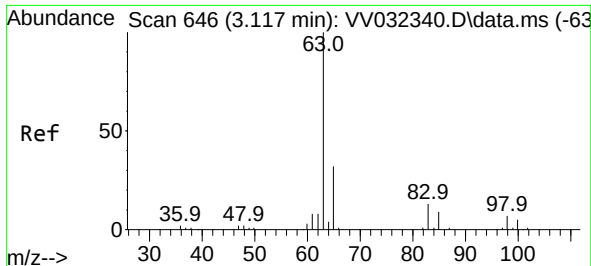
Ion Ratio Lower Upper

96 100

61 137.3 96.9 180.1

98 67.7 45.3 84.1





#19

1,1-Dichloroethane

Concen: 0.281 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

Instrument :

MSVOA_V

ClientSampleId :

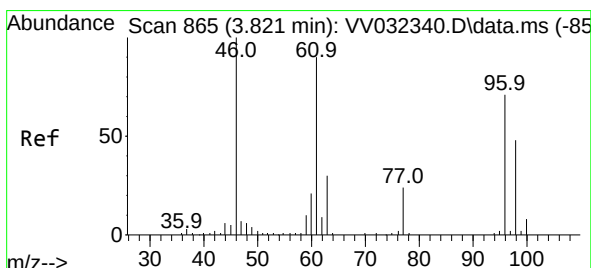
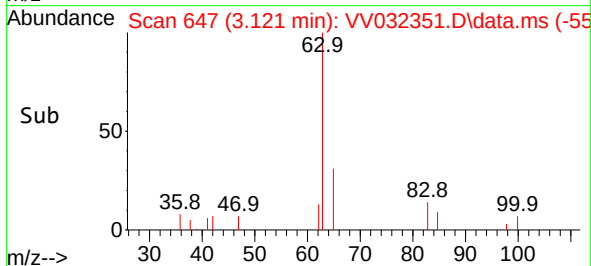
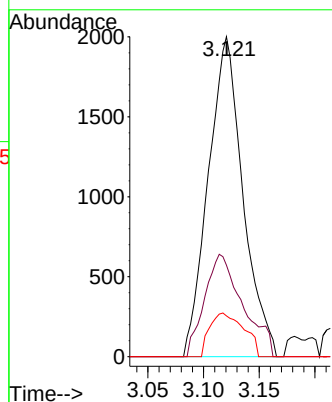
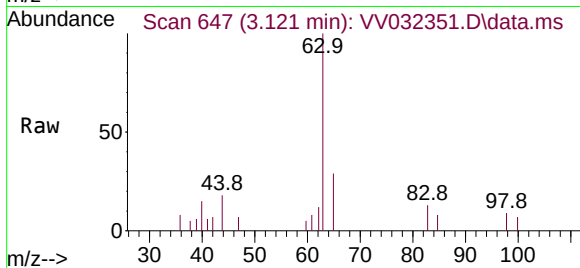
Tgt Ion: 63 Resp: 4322

Ion Ratio Lower Upper

63 100

65 28.6 22.3 41.5

83 12.7 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 1.237 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

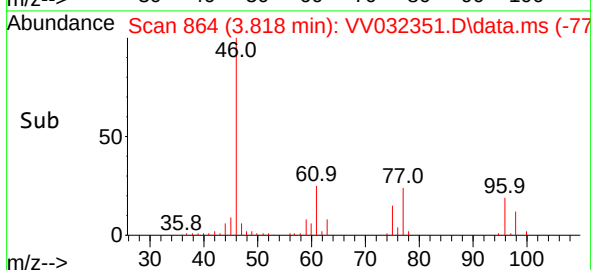
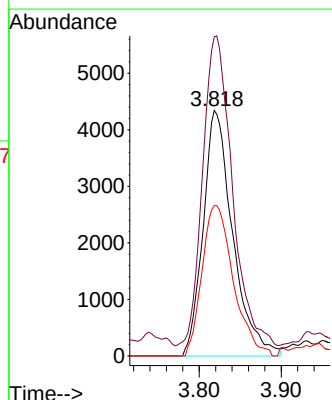
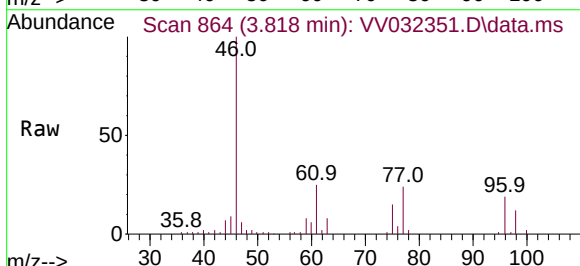
Tgt Ion: 96 Resp: 10875

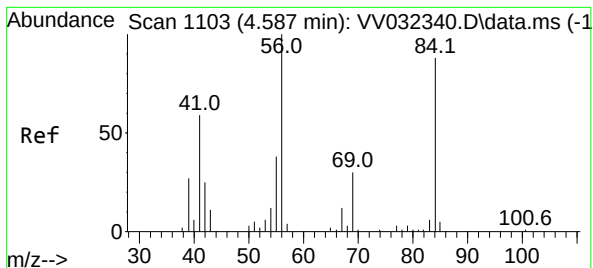
Ion Ratio Lower Upper

96 100

61 130.2 85.8 159.4

98 61.3 44.0 81.6





#30

Cyclohexane

Concen: 0.188 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

Instrument :

MSVOA_V

ClientSampleId :

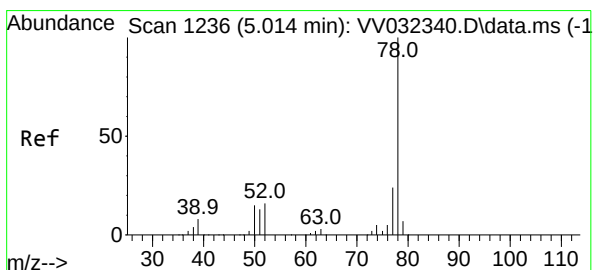
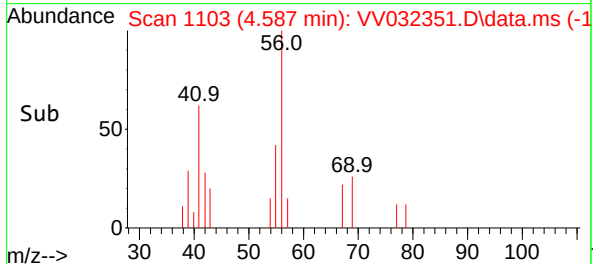
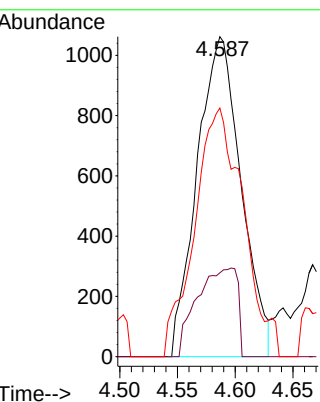
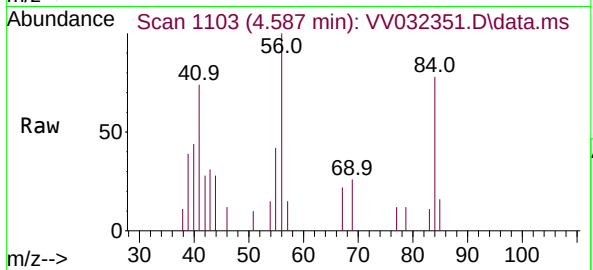
Tgt Ion: 56 Resp: 2815

Ion Ratio Lower Upper

56 100

69 25.3 24.2 36.2

84 86.3 68.1 102.1



#33

Benzene

Concen: 0.370 ug/L

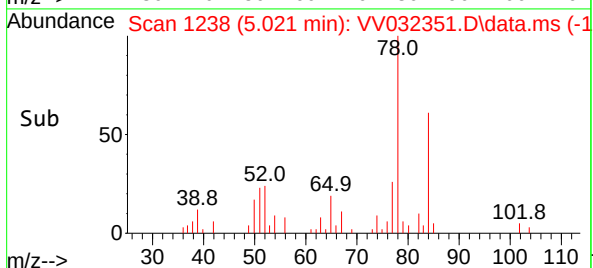
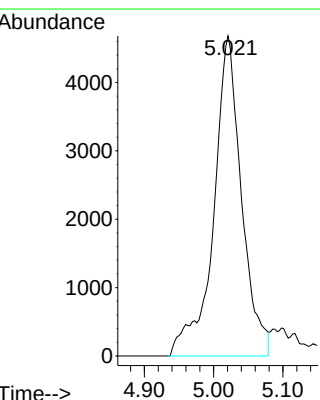
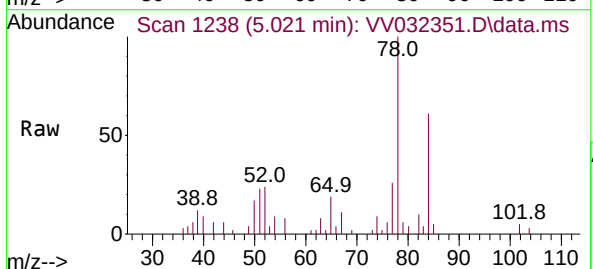
RT: 5.021 min Scan# 1238

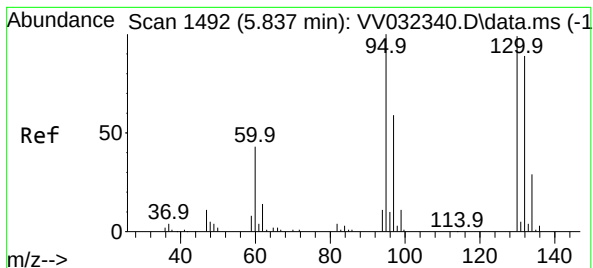
Delta R.T. 0.006 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

Tgt Ion: 78 Resp: 13093





#34

Trichloroethene

Concen: 18.368 ug/L

RT: 5.834 min Scan# 1492

Delta R.T. -0.003 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 177209

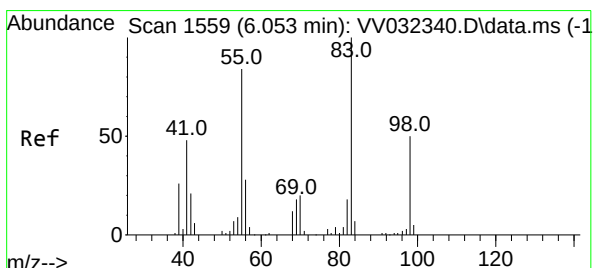
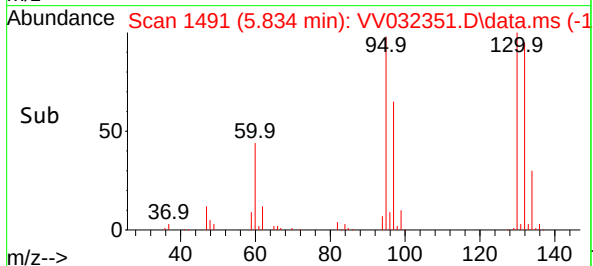
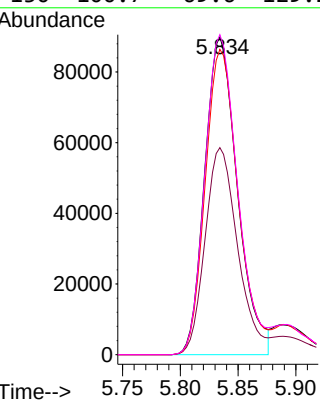
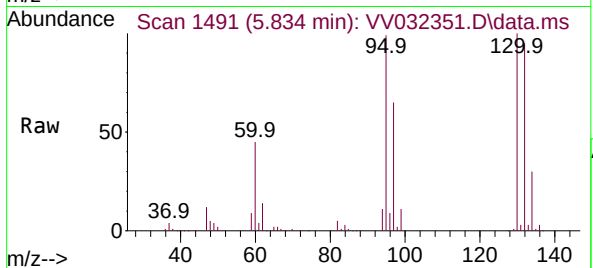
Ion Ratio Lower Upper

95 100

97 65.1 45.7 84.9

132 96.1 70.3 130.5

130 100.7 69.6 129.2



#35

Methylcyclohexane

Concen: 0.290 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.003 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

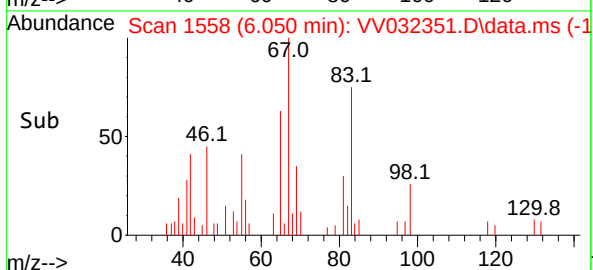
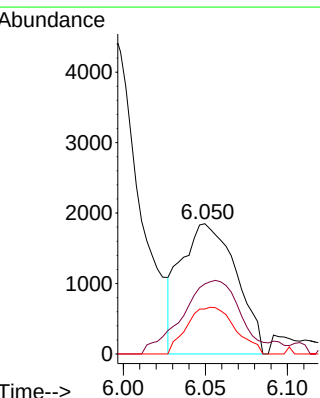
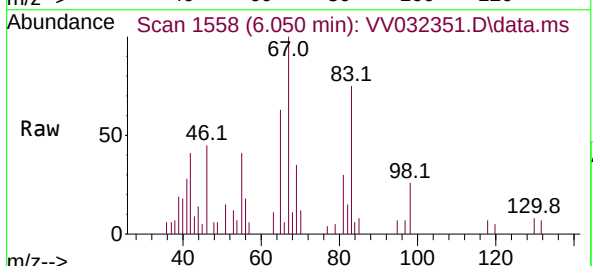
Tgt Ion: 83 Resp: 4336

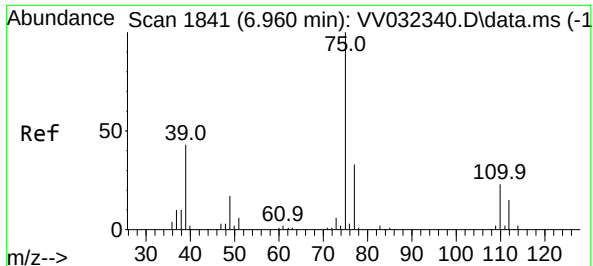
Ion Ratio Lower Upper

83 100

55 58.9 64.2 96.2#

98 31.3 39.6 59.4#





#39

cis-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 6.921 min Scan# 1829

Delta R.T. -0.039 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

Instrument :

MSVOA_V

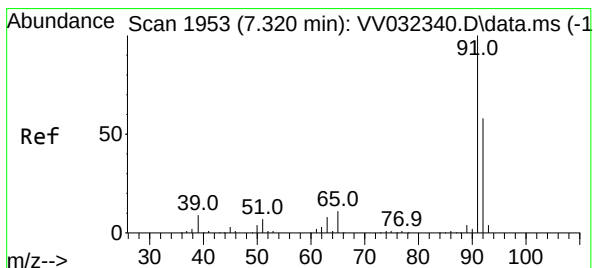
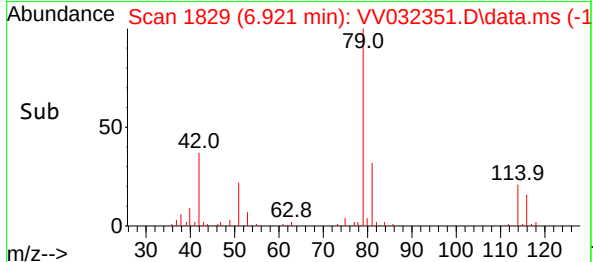
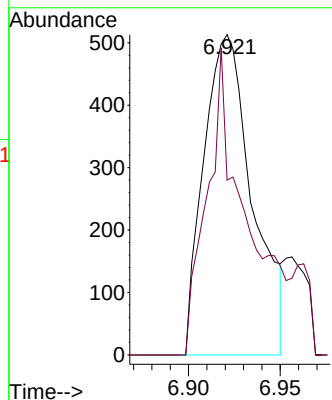
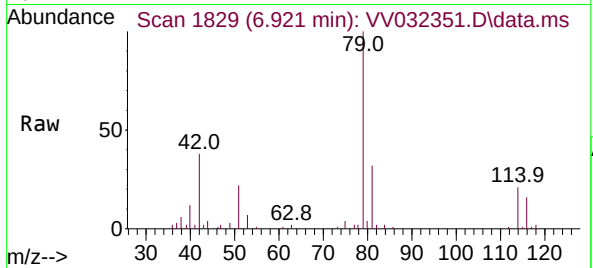
ClientSampleId :

Tgt Ion: 75 Resp: 945

Ion Ratio Lower Upper

75 100

77 54.6 22.2 41.2#



#42

Toluene

Concen: 0.774 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV032351.D

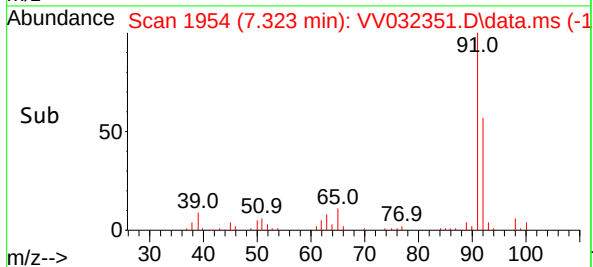
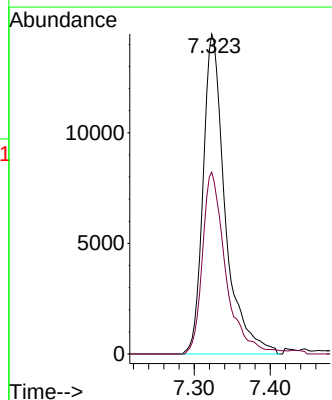
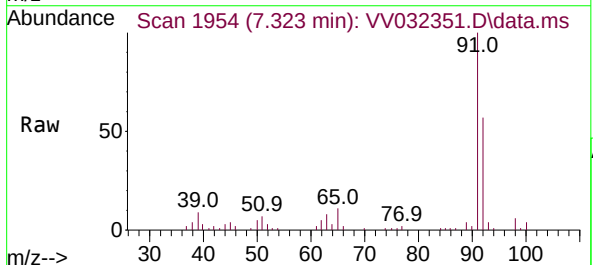
Acq: 10 Oct 2023 00:40

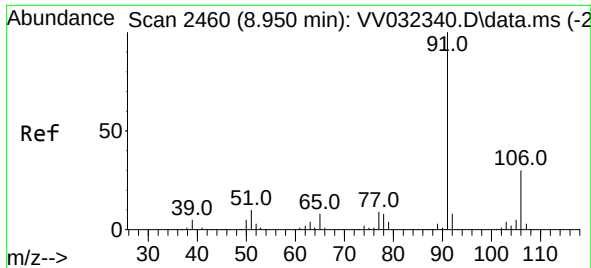
Tgt Ion: 91 Resp: 29176

Ion Ratio Lower Upper

91 100

92 56.8 40.8 75.8

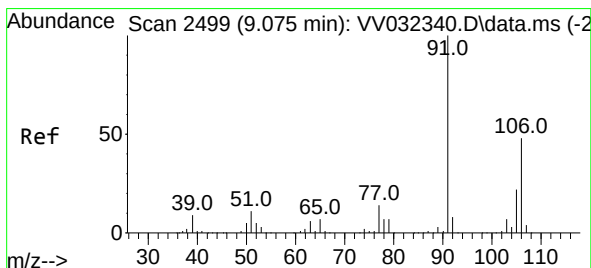
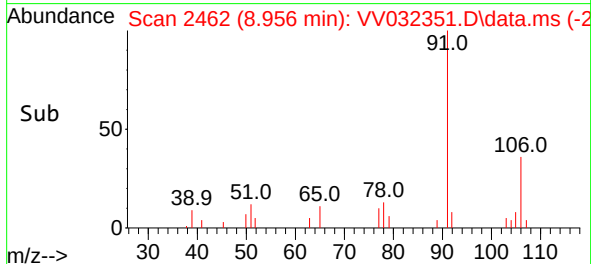
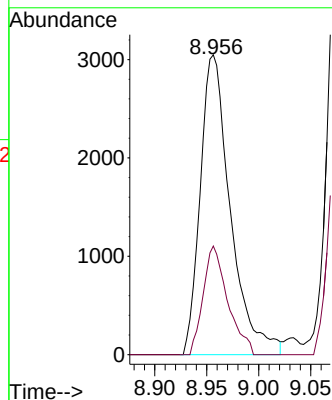
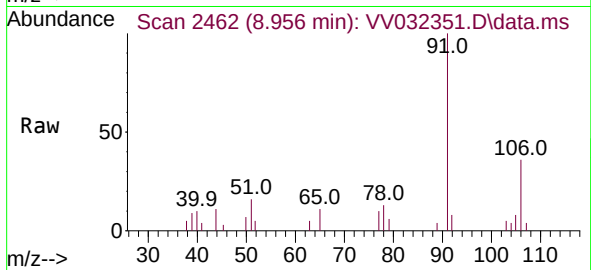




#52
Ethylbenzene
Concen: 0.146 ug/L
RT: 8.956 min Scan# 2462
Delta R.T. 0.006 min
Lab File: VV032351.D
Acq: 10 Oct 2023 00:40

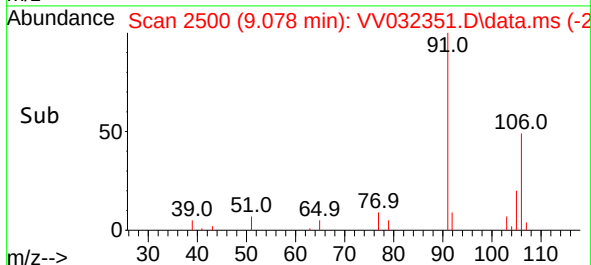
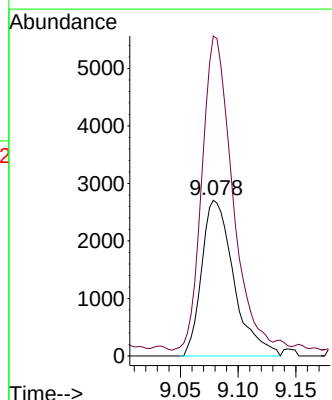
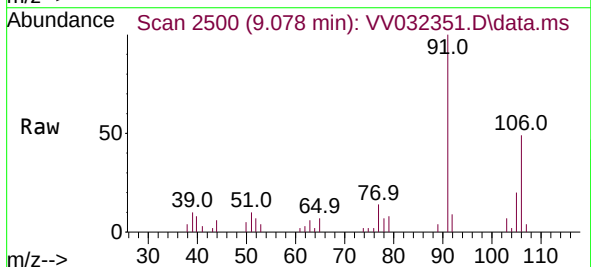
Instrument :
MSVOA_V
ClientSampleId :

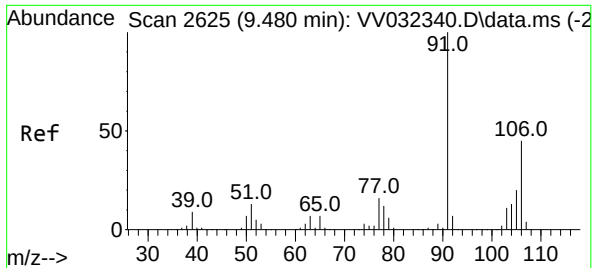
Tgt Ion: 91 Resp: 6144
Ion Ratio Lower Upper
91 100
106 36.2 21.3 39.5



#53
m,p-Xylene
Concen: 0.336 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. 0.003 min
Lab File: VV032351.D
Acq: 10 Oct 2023 00:40

Tgt Ion:106 Resp: 5232
Ion Ratio Lower Upper
106 100
91 205.5 144.5 268.3

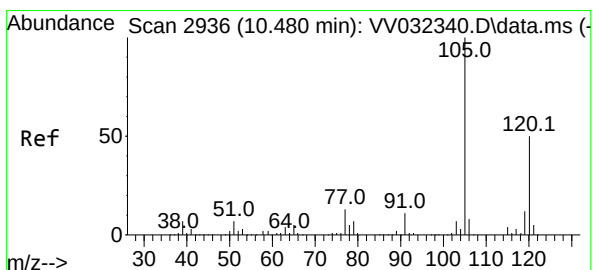
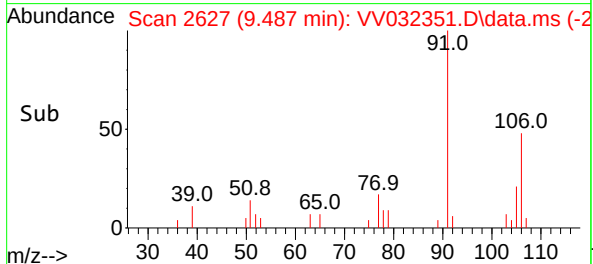
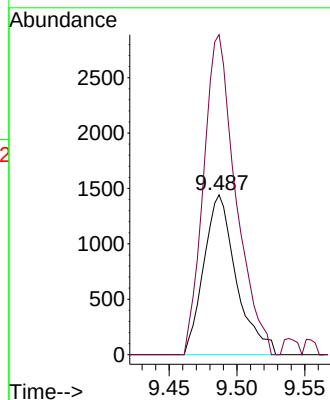
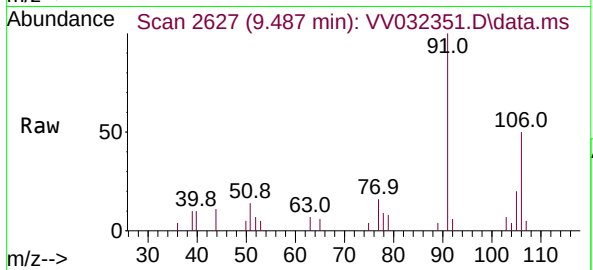




#54
o-Xylene
Concen: 0.160 ug/L
RT: 9.487 min Scan# 210
Delta R.T. 0.006 min
Lab File: VV032351.D
Acq: 10 Oct 2023 00:40

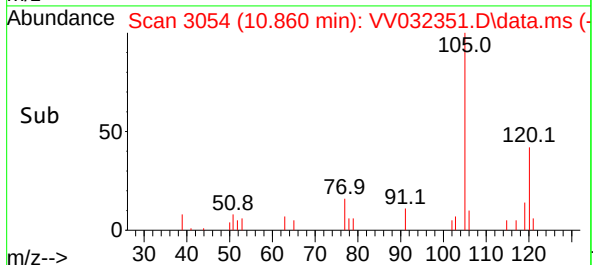
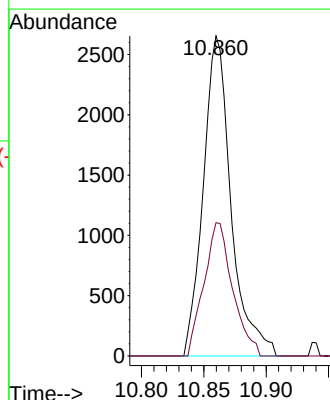
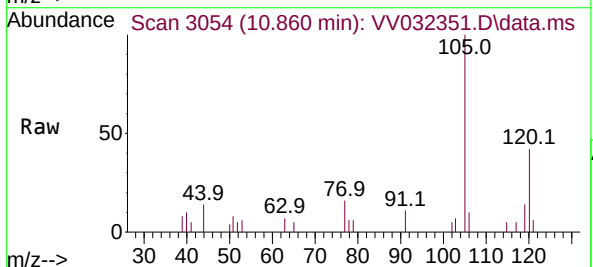
Instrument :
MSVOA_V
ClientSampleId :

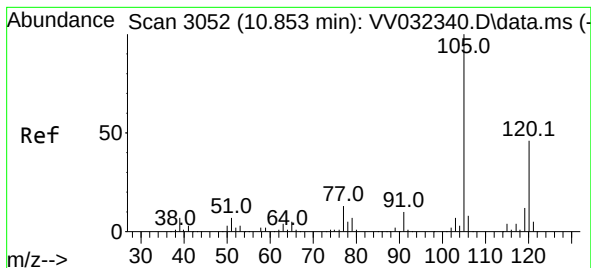
Tgt Ion:106 Resp: 2401
Ion Ratio Lower Upper
106 100
91 200.3 154.8 287.4



#62
1,3,5-Trimethylbenzene
Concen: 0.146 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.379 min
Lab File: VV032351.D
Acq: 10 Oct 2023 00:40

Tgt Ion:105 Resp: 4114
Ion Ratio Lower Upper
105 100
120 42.9 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 0.146 ug/L

RT: 10.860 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

Instrument :

MSVOA_V

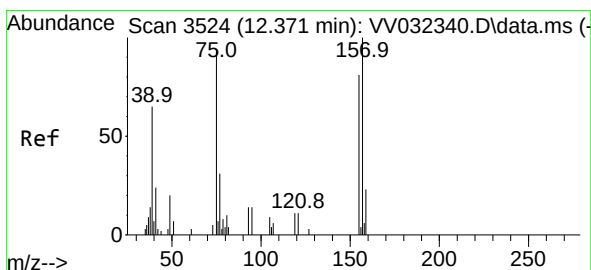
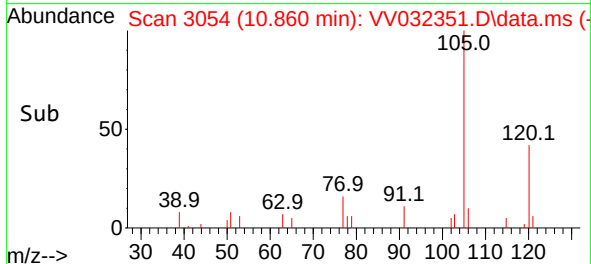
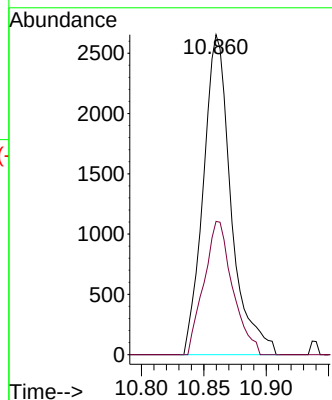
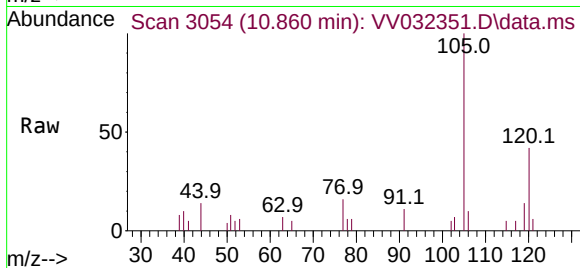
ClientSampleId :

Tgt Ion:105 Resp: 4114

Ion Ratio Lower Upper

105 100

120 42.9 36.2 54.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.543 ug/L

RT: 12.204 min Scan# 3472

Delta R.T. -0.167 min

Lab File: VV032351.D

Acq: 10 Oct 2023 00:40

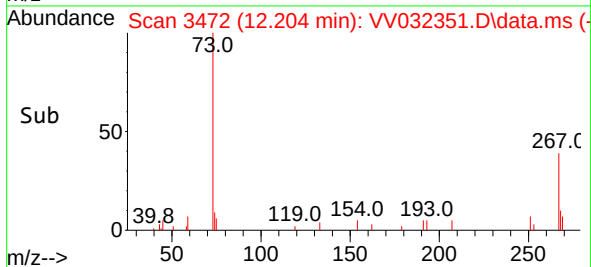
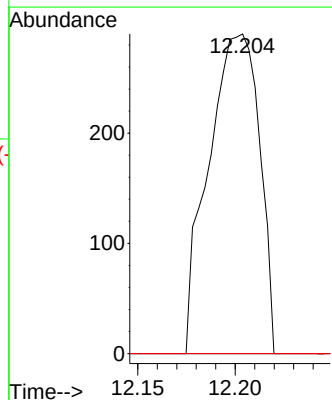
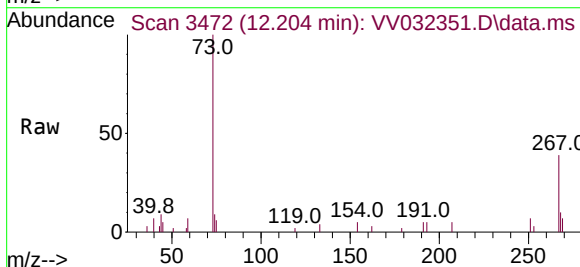
Tgt Ion: 75 Resp: 527

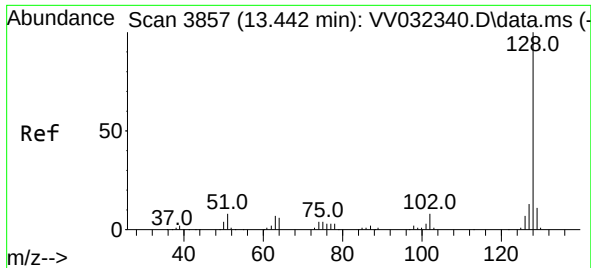
Ion Ratio Lower Upper

75 100

155 0.0 70.2 105.4#

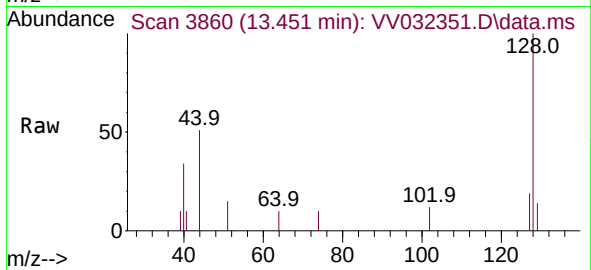
157 0.0 90.6 135.8#





#71
Naphthalene
Concen: 0.094 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.010 min
Lab File: VV032351.D
Acq: 10 Oct 2023 00:40

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	1720
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.5	10.2	15.2

