

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092024\
 Data File : VV037442.D
 Acq On : 20 Sep 2024 19:03
 Operator : SY/MD
 Sample : P4081-09
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 20 23:39:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 20 23:32:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	325263	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	322336	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	165543	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	56566	2.964	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.200%
7) Chloroethane-d5	1.526	69	71419	3.590	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.800%
11) 1,1-Dichloroethene-d2	2.050	65	33316	3.381	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.600%
20) 2-Butanone-d5	3.844	46	52088	9.134	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	18.260%#
24) Chloroform-d	4.240	84	192306	4.151	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	4.940	65	93895	4.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
32) Benzene-d6	4.953	84	365880	4.234	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	5.985	67	123817	4.607	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.239	98	295095	3.790	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.800%
43) trans-1,3-Dichloroprop...	7.564	79	31216	3.531	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.600%
46) 2-Hexanone-d5	8.027	63	218800	50.656	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.320%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	107431	4.904	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	133895	4.549	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
8) Chloroethane	1.542	64	216908	11.385	ug/L	99
15) Methyl Acetate	2.423	43	18846	2.072	ug/L #	49
18) trans-1,2-Dichloroethene	2.690	96	3626	0.151	ug/L	94
21) 2-Butanone	4.011	43	35777	5.928	ug/L #	52
30) Cyclohexane	4.571	56	629226	16.970	ug/L	98
33) Benzene	4.998	78	1363038	14.034	ug/L	100
35) Methylcyclohexane	6.040	83	646538	16.250	ug/L	95
37) 1,2-Dichloropropane	6.037	63	6518	0.264	ug/L #	39
42) Toluene	7.326	91	9546	0.094	ug/L	98
45) 1,1,2-Trichloroethane	7.712	97	47917	2.709	ug/L #	18
51) Chlorobenzene	8.815	112	8512	0.127	ug/L	94
52) Ethylbenzene	8.940	91	530114	4.702	ug/L	100
53) m,p-Xylene	9.075	106	49675	1.197	ug/L	97
60) Isopropylbenzene	9.860	105	6474322	58.431	ug/L	98
61) 1,2,3-Trichloropropane	10.284	75	56180	3.729	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.265	105	1899948	21.624	ug/L	91
63) 1,2,4-Trimethylbenzene	11.265	105	1899948	21.527	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.345	75	18480	5.916	ug/L #	5
71) Naphthalene	13.432	128	5365456	114.179	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 20 23:32:27 2024
Response via : Initial Calibration

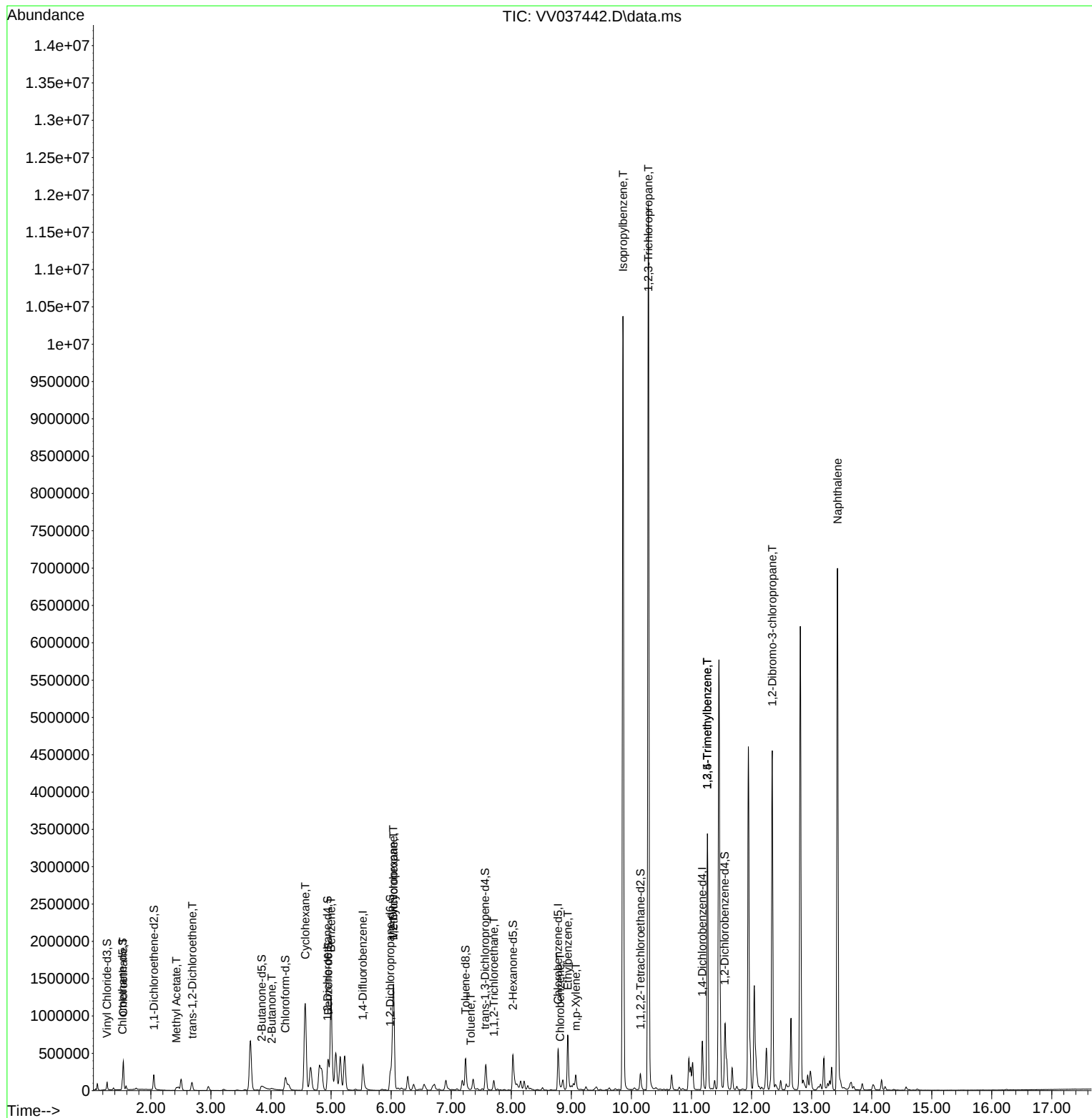
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

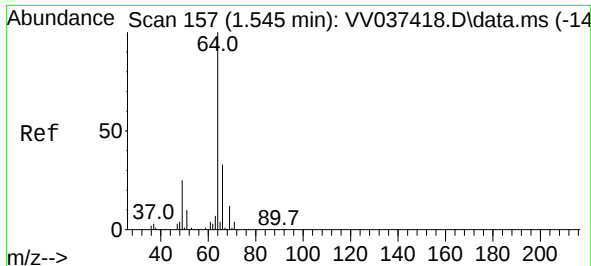
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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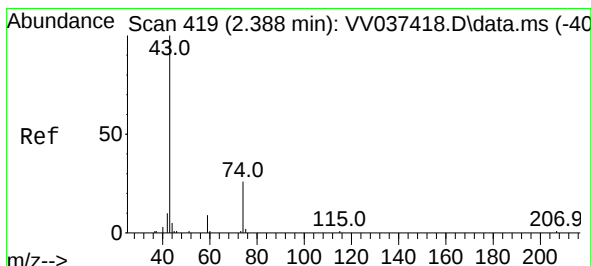
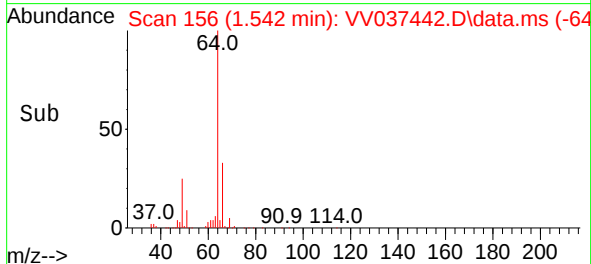
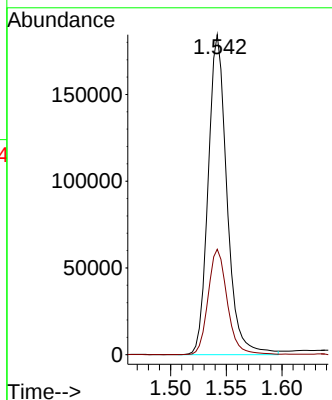
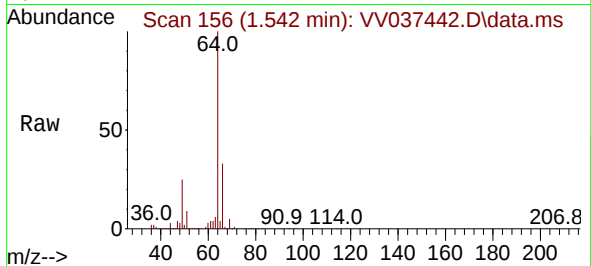




#8
Chloroethane
Concen: 11.385 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV037442.D
Acq: 20 Sep 2024 19:03

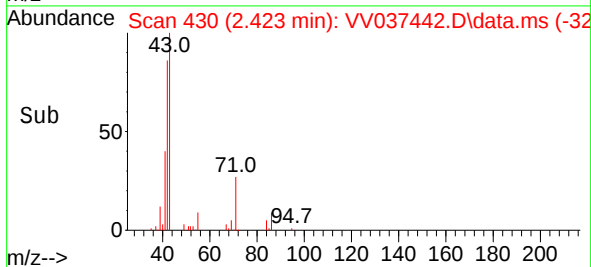
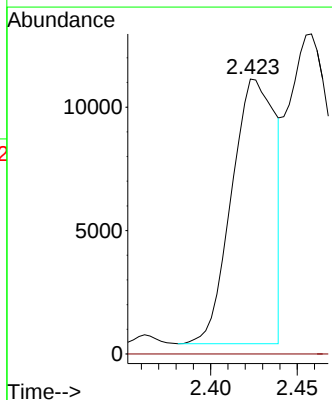
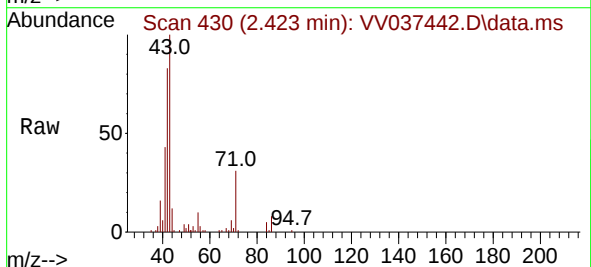
Instrument :
MSVOA_V
ClientSampleId :

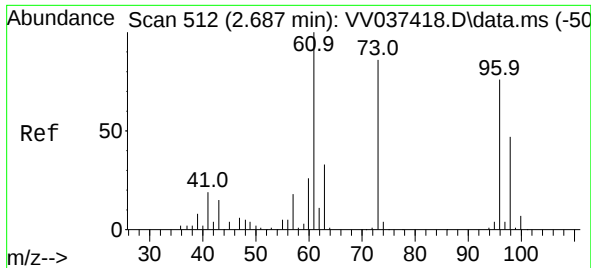
Tgt Ion: 64 Resp: 216908
Ion Ratio Lower Upper
64 100
66 33.0 22.7 42.1



#15
Methyl Acetate
Concen: 2.072 ug/L
RT: 2.423 min Scan# 430
Delta R.T. 0.035 min
Lab File: VV037442.D
Acq: 20 Sep 2024 19:03

Tgt Ion: 43 Resp: 18846
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

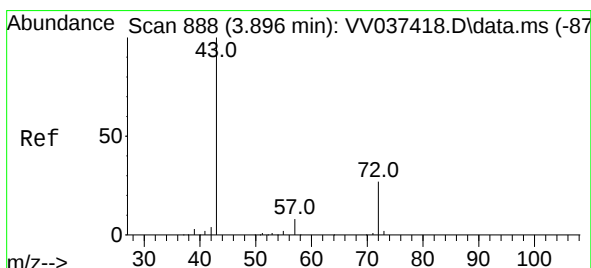
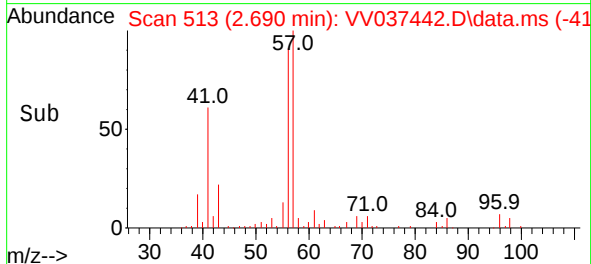
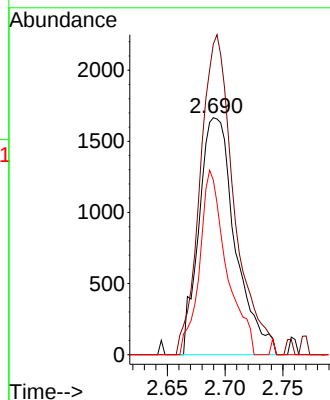
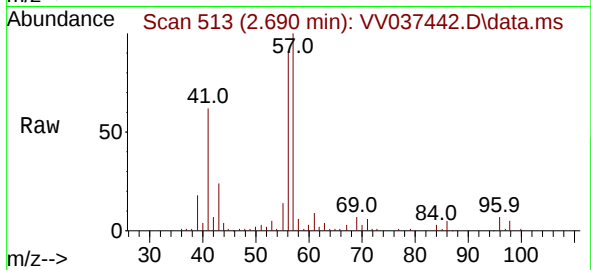




#18
trans-1,2-Dichloroethene
Concen: 0.151 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV037442.D
Acq: 20 Sep 2024 19:03

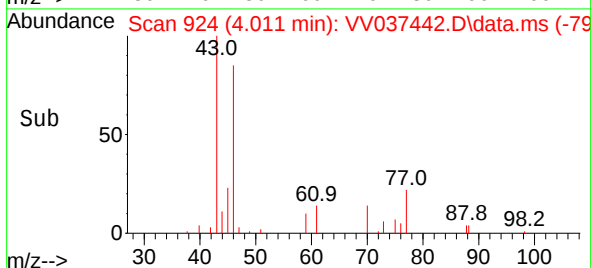
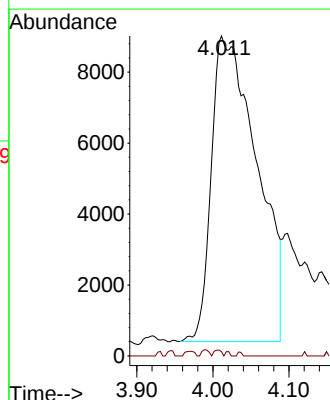
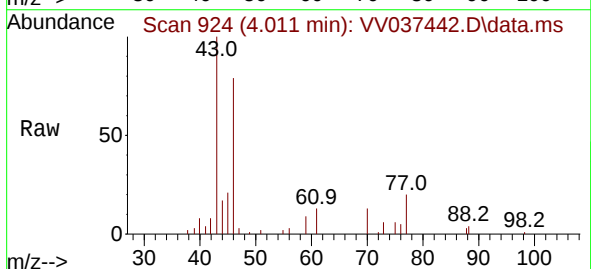
Instrument :
MSVOA_V
ClientSampleId :

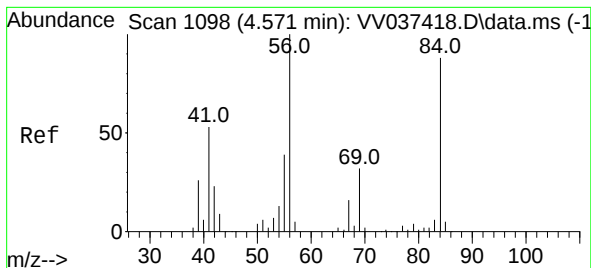
Tgt Ion: 96 Resp: 3626
Ion Ratio Lower Upper
96 100
61 131.1 92.8 172.4
98 73.6 43.0 79.8



#21
2-Butanone
Concen: 5.928 ug/L
RT: 4.011 min Scan# 924
Delta R.T. 0.116 min
Lab File: VV037442.D
Acq: 20 Sep 2024 19:03

Tgt Ion: 43 Resp: 35777
Ion Ratio Lower Upper
43 100
72 0.3 12.2 36.6#





#30

Cyclohexane

Concen: 16.970 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.000 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

Instrument :

MSVOA_V

ClientSampleId :

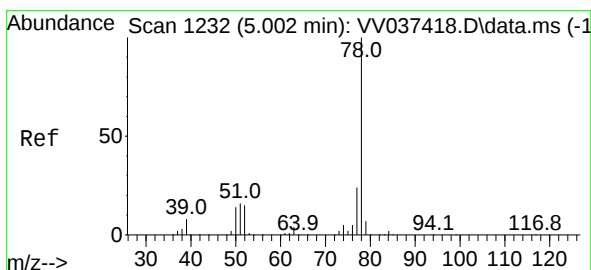
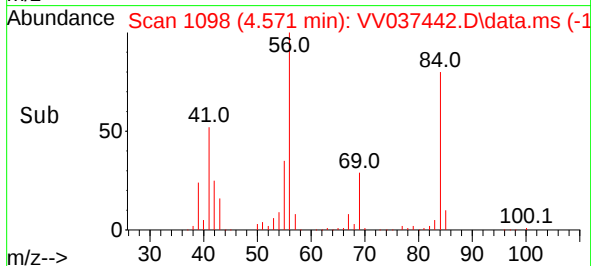
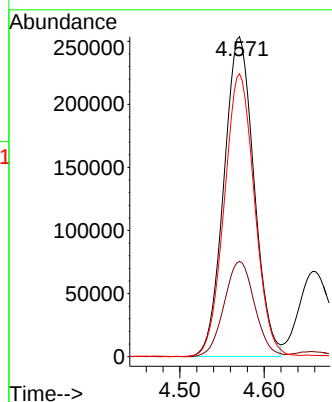
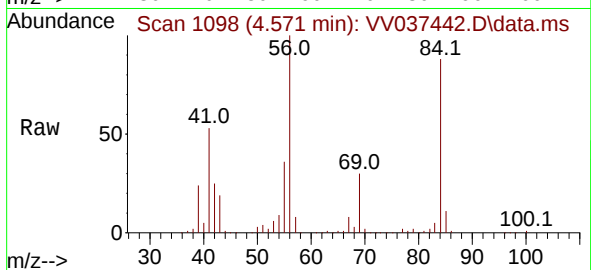
Tgt Ion: 56 Resp: 629226

Ion Ratio Lower Upper

56 100

69 30.2 24.1 36.1

84 89.2 73.1 109.7



#33

Benzene

Concen: 14.034 ug/L

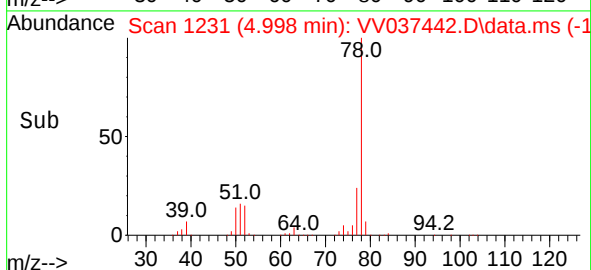
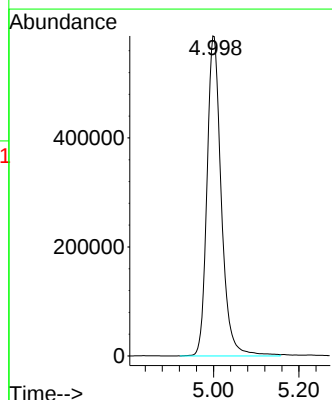
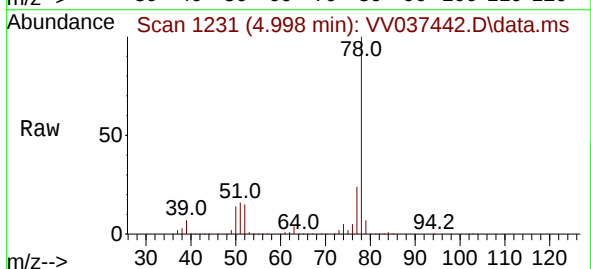
RT: 4.998 min Scan# 1231

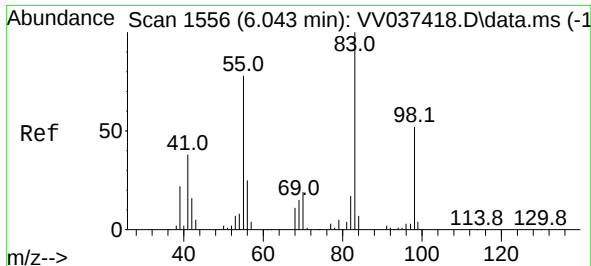
Delta R.T. -0.003 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

Tgt Ion: 78 Resp: 1363038





#35

Methylcyclohexane

Concen: 16.250 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

Instrument :

MSVOA_V

ClientSampleId :

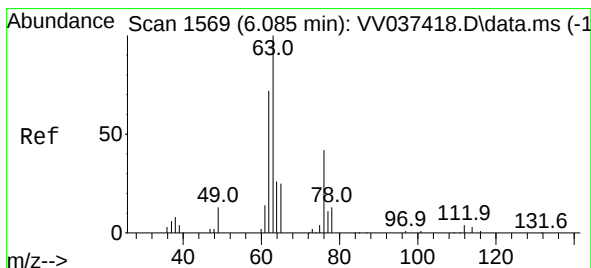
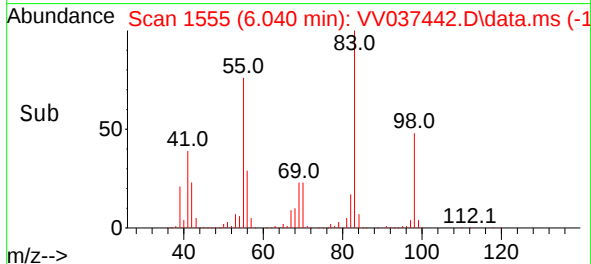
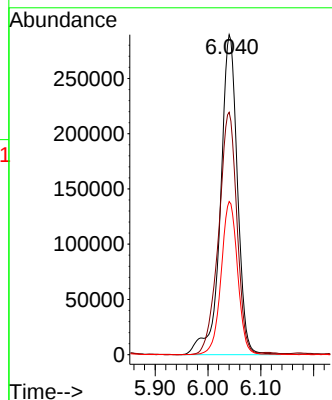
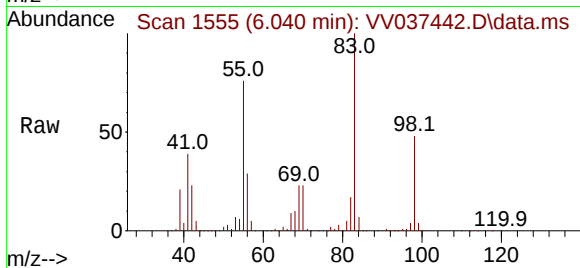
Tgt Ion: 83 Resp: 646538

Ion Ratio Lower Upper

83 100

55 81.5 60.3 90.5

98 46.4 38.2 57.4



#37

1,2-Dichloropropane

Concen: 0.264 ug/L

RT: 6.037 min Scan# 1554

Delta R.T. -0.048 min

Lab File: VV037442.D

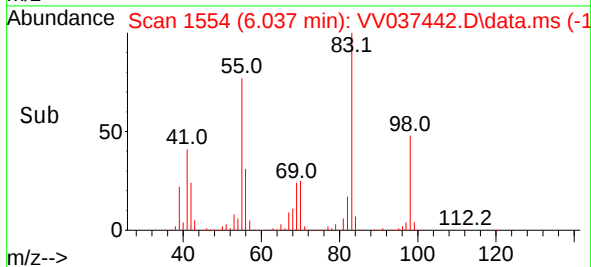
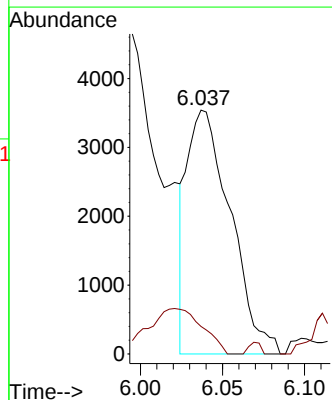
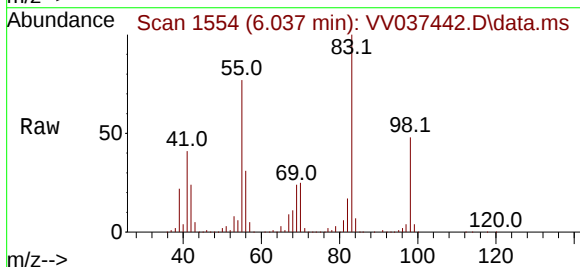
Acq: 20 Sep 2024 19:03

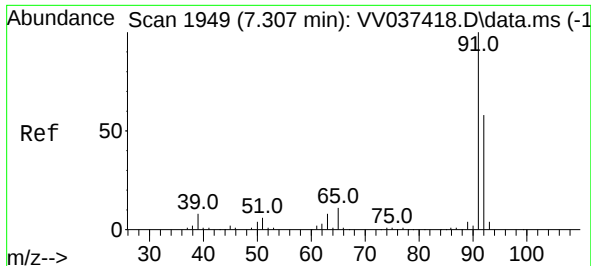
Tgt Ion: 63 Resp: 6518

Ion Ratio Lower Upper

63 100

112 24.6 3.7 5.5#





#42

Toluene

Concen: 0.094 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.019 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

Instrument :

MSVOA_V

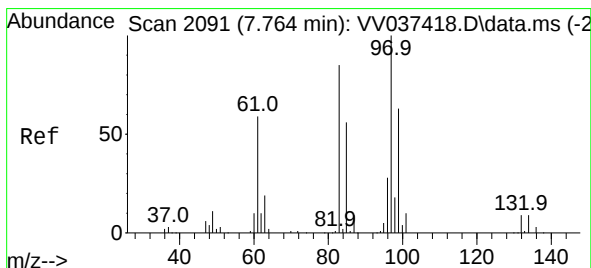
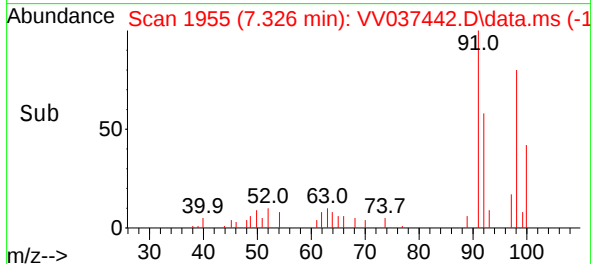
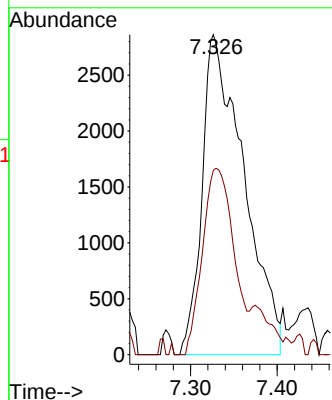
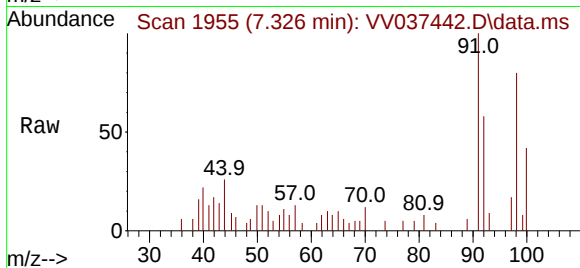
ClientSampleId :

Tgt Ion: 91 Resp: 9546

Ion Ratio Lower Upper

91 100

92 57.6 41.4 77.0



#45

1,1,2-Trichloroethane

Concen: 2.709 ug/L

RT: 7.712 min Scan# 2075

Delta R.T. -0.052 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

Tgt Ion: 97 Resp: 47917

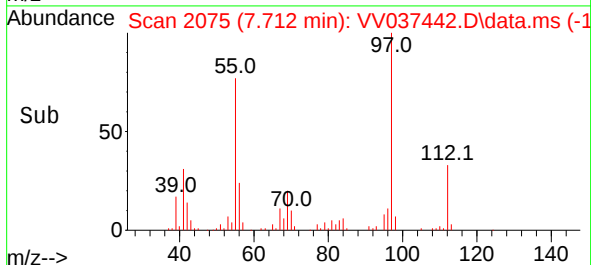
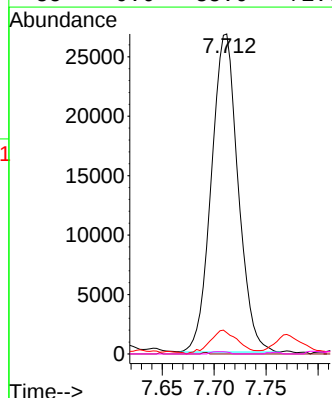
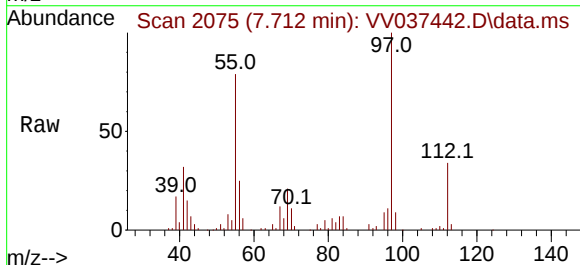
Ion Ratio Lower Upper

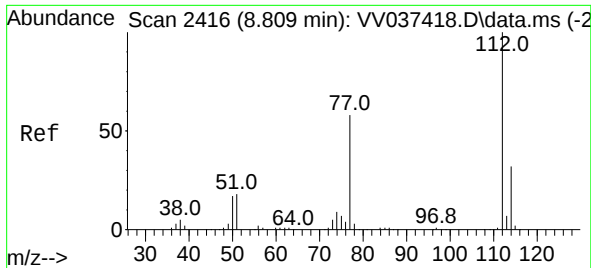
97 100

99 0.0 43.1 80.1#

83 6.7 61.0 113.4#

85 0.6 38.6 71.6#





#51

Chlorobenzene

Concen: 0.127 ug/L

RT: 8.815 min Scan# 2416

Delta R.T. 0.006 min

Lab File: VV037442.D

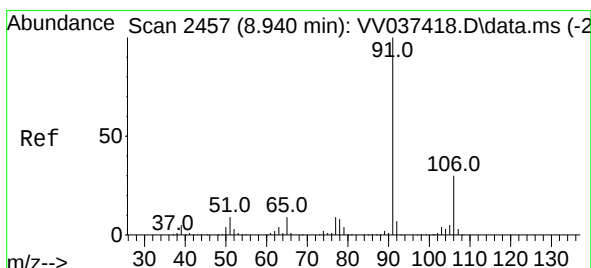
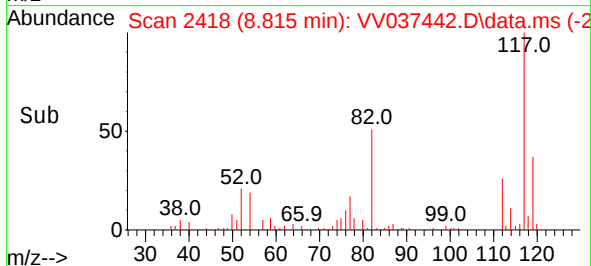
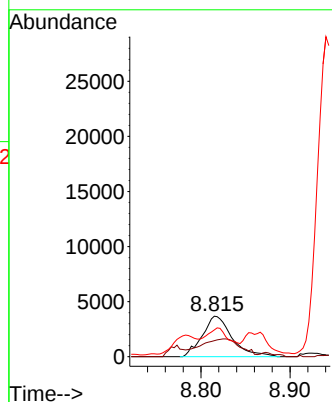
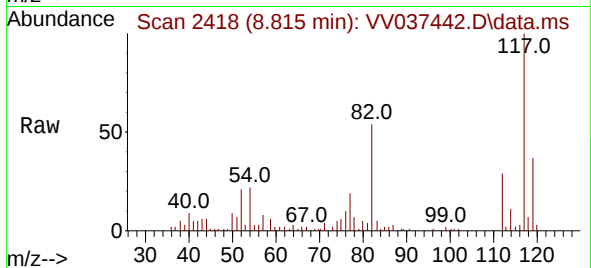
Acq: 20 Sep 2024 19:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:112	Resp:	8512
Ion Ratio	Lower	Upper
112	100	
114	37.4	22.6 42.0
77	62.5	47.0 70.6



#52

Ethylbenzene

Concen: 4.702 ug/L

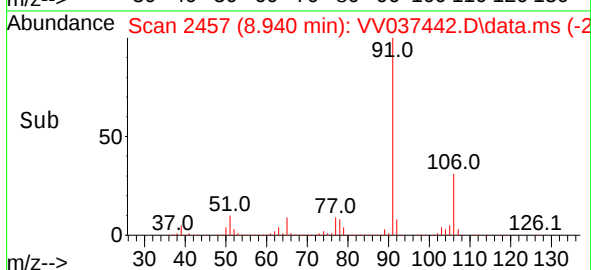
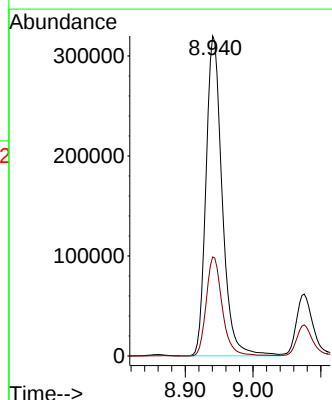
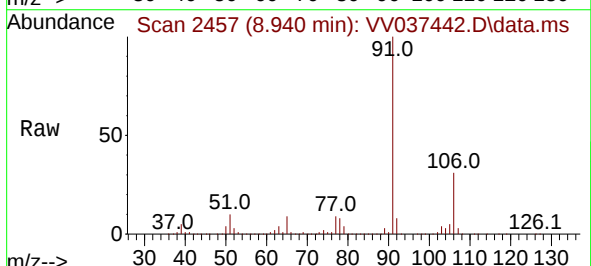
RT: 8.940 min Scan# 2457

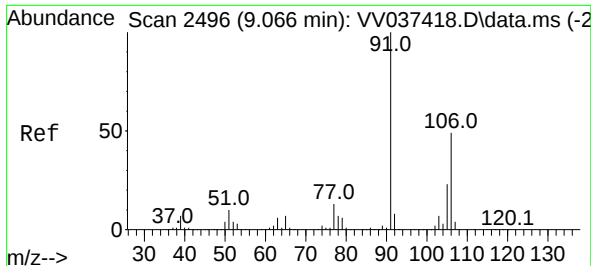
Delta R.T. -0.000 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

Tgt Ion: 91	Resp:	530114
Ion Ratio	Lower	Upper
91	100	
106	31.0	21.7 40.3





#53

m,p-Xylene

Concen: 1.197 ug/L

RT: 9.075 min Scan# 2496

Delta R.T. 0.010 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

Instrument :

MSVOA_V

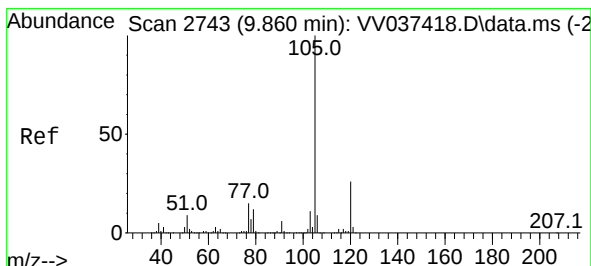
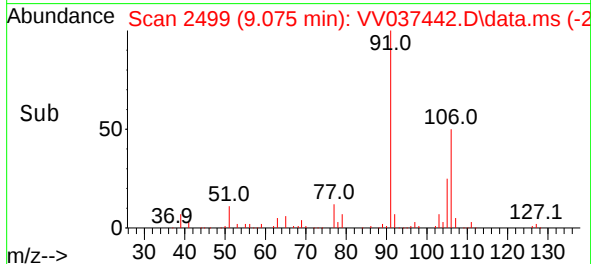
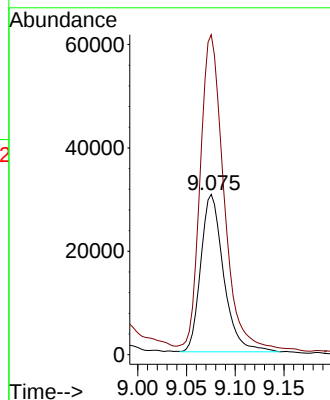
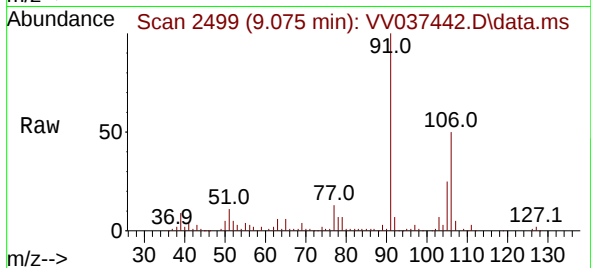
ClientSampleId :

Tgt Ion:106 Resp: 49675

Ion Ratio Lower Upper

106 100

91 199.6 143.3 266.1



#60

Isopropylbenzene

Concen: 58.431 ug/L

RT: 9.860 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

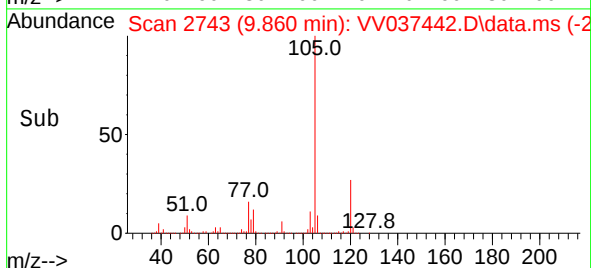
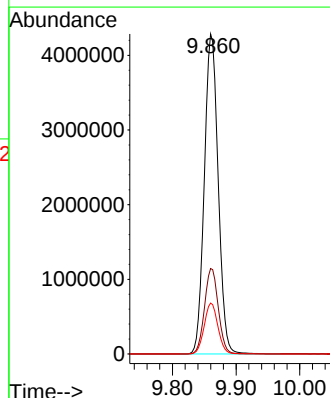
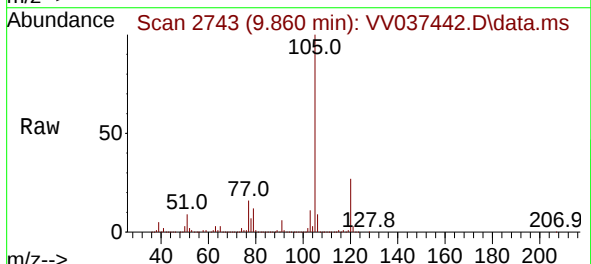
Tgt Ion:105 Resp: 6474322

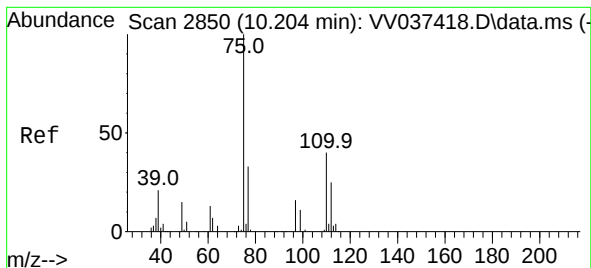
Ion Ratio Lower Upper

105 100

120 26.6 20.2 30.4

77 15.7 12.7 19.1





#61

1,2,3-Trichloropropane

Concen: 3.729 ug/L

RT: 10.284 min Scan# 21

Delta R.T. 0.080 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

Instrument :

MSVOA_V

ClientSampleId :

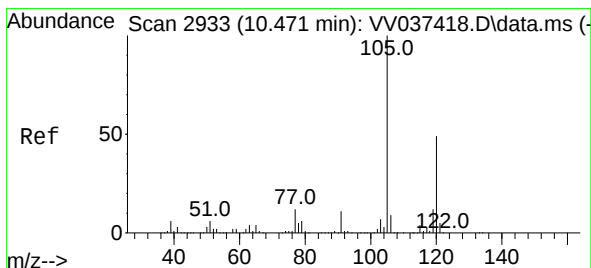
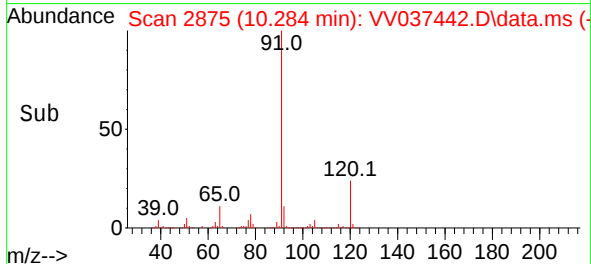
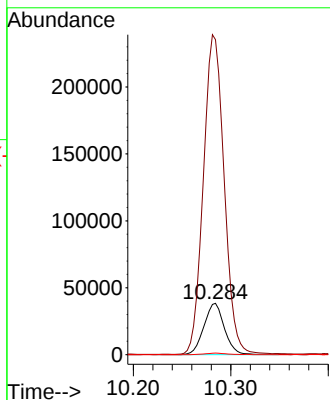
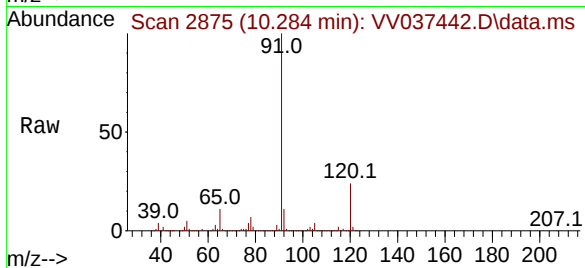
Tgt Ion: 75 Resp: 56180

Ion Ratio Lower Upper

75 100

77 632.4 25.6 38.4#

110 3.4 31.0 46.4#



#62

1,3,5-Trimethylbenzene

Concen: 21.624 ug/L

RT: 11.265 min Scan# 3180

Delta R.T. 0.794 min

Lab File: VV037442.D

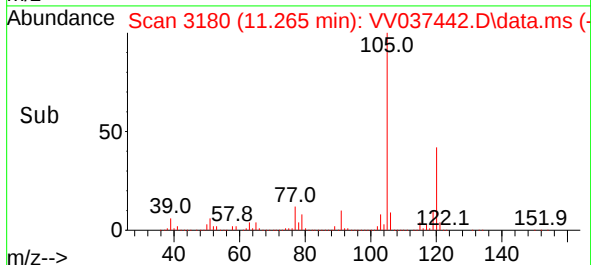
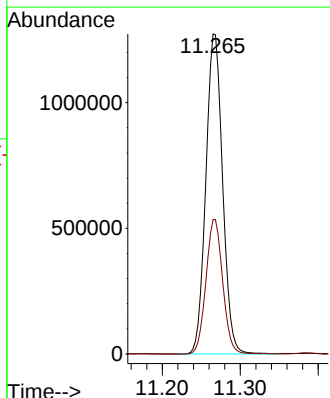
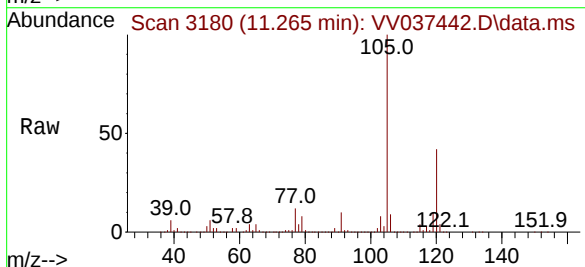
Acq: 20 Sep 2024 19:03

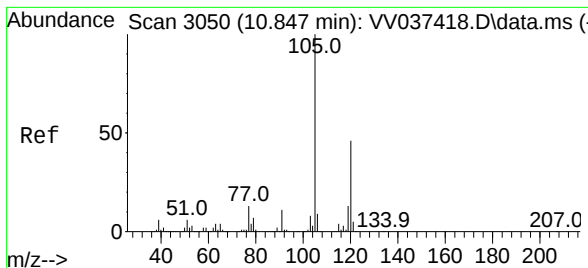
Tgt Ion:105 Resp: 1899948

Ion Ratio Lower Upper

105 100

120 42.0 38.6 57.8





#63

1,2,4-Trimethylbenzene

Concen: 21.527 ug/L

RT: 11.265 min Scan# 3180

Delta R.T. 0.418 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

Instrument :

MSVOA_V

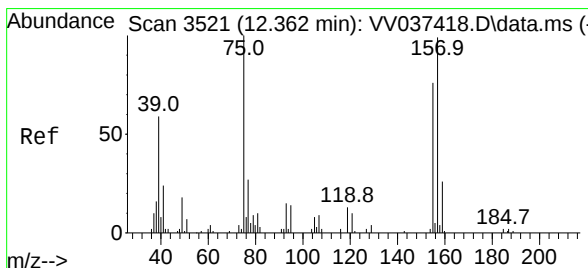
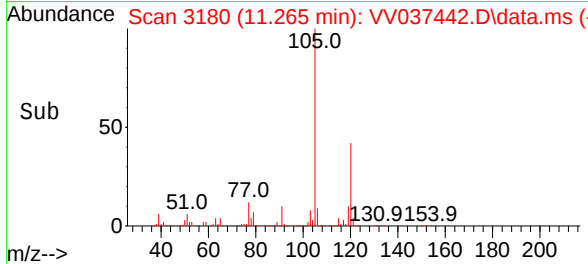
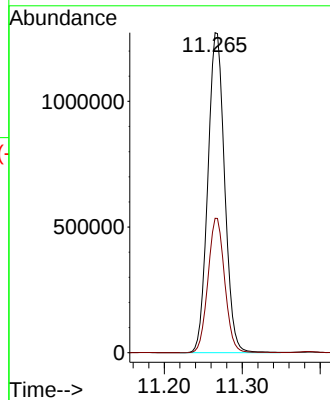
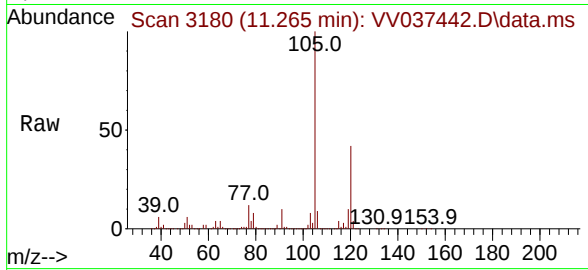
ClientSampleId :

Tgt Ion:105 Resp: 1899948

Ion Ratio Lower Upper

105 100

120 42.0 36.2 54.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.916 ug/L

RT: 12.345 min Scan# 3516

Delta R.T. -0.016 min

Lab File: VV037442.D

Acq: 20 Sep 2024 19:03

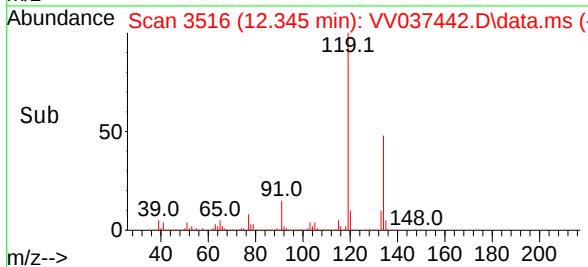
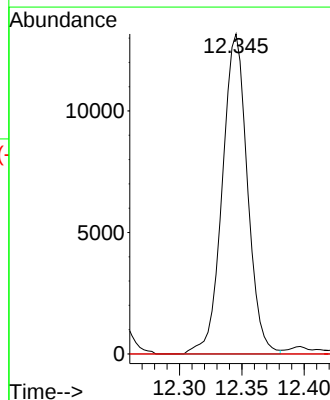
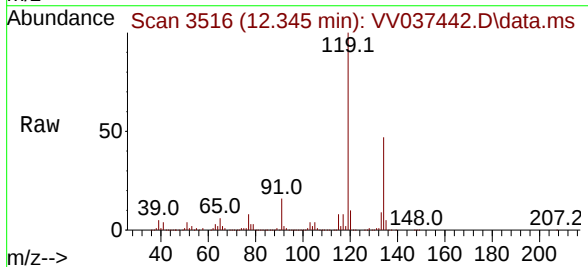
Tgt Ion: 75 Resp: 18480

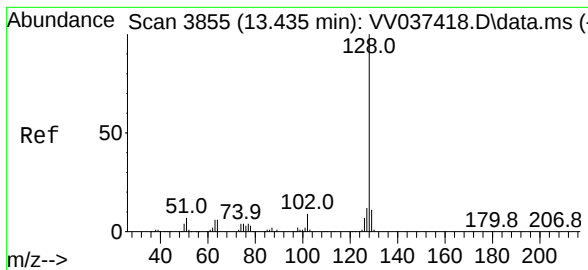
Ion Ratio Lower Upper

75 100

155 0.0 60.6 90.8#

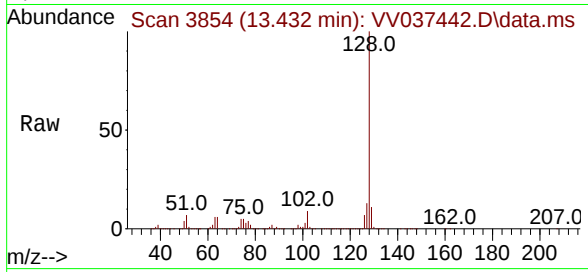
157 0.0 81.1 121.7#





#71
Naphthalene
Concen: 114.179 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. -0.003 min
Lab File: VV037442.D
Acq: 20 Sep 2024 19:03

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 5365456
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.9 10.2 15.2

