

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091824\
 Data File : VV037360.D
 Acq On : 19 Sep 2024 02:43
 Operator : SY/MD
 Sample : P3986-04
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 19 04:02:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 02:54:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	284625	5.000	ug/L	0.01
28) Chlorobenzene-d5	8.799	117	315932	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.182	152	150830	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	101230	6.062	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.200%
7) Chloroethane-d5	1.577	69	83390	4.790	ug/L	0.05
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.095	65	44995	5.218	ug/L	0.04
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.400%
20) 2-Butanone-d5	3.934	46	247452	49.586	ug/L	0.13
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.180%
24) Chloroform-d	4.317	84	192197	4.741	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.992	65	104515	5.506	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.200%
32) Benzene-d6	4.998	84	356867	4.213	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	5.976	67	75797	2.877	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	57.600%#
41) Toluene-d8	7.285	98	342551	4.488	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	7.590	79	36599	4.224	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.072	63	237871	56.187	ug/L	0.05
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.380%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	94803	4.416	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	11.558	152	123133	4.592	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
5) Vinyl chloride	1.311	62	122269	4.410	ug/L	99
8) Chloroethane	1.577	64	369259	22.148	ug/L #	51
12) 1,1-Dichloroethene	2.108	96	79042	3.963	ug/L	91
13) Acetone	2.237	43	2235671	643.415	ug/L	85
14) Carbon disulfide	2.288	76	56944	0.905	ug/L	96
15) Methyl Acetate	2.458	43	988221	124.173	ug/L #	83
18) trans-1,2-Dichloroethene	2.748	96	4273	0.204	ug/L	86
19) 1,1-Dichloroethane	3.172	63	151771	3.787	ug/L	99
21) 2-Butanone	4.015	43	12758352	2415.882	ug/L	99
22) cis-1,2-Dichloroethene	3.886	96	841789	37.105	ug/L	94
34) Trichloroethene	5.818	95	234638	9.147	ug/L	96
35) Methylcyclohexane	5.979	83	21921	0.562	ug/L #	19
40) 4-Methyl-2-pentanone	7.281	43	177153	12.777	ug/L #	1
42) Toluene	7.362	91	9784	0.099	ug/L	95
44) trans-1,3-Dichloropropene	7.587	75	2254	0.080	ug/L #	1
48) 2-Hexanone	8.076	43	30482	3.008	ug/L #	66
53) m,p-Xylene	9.082	106	3721	0.092	ug/L	74

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MSVOA_V
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Quant Time: Sep 19 04:02:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 19 02:54:38 2024
Response via : Initial Calibration

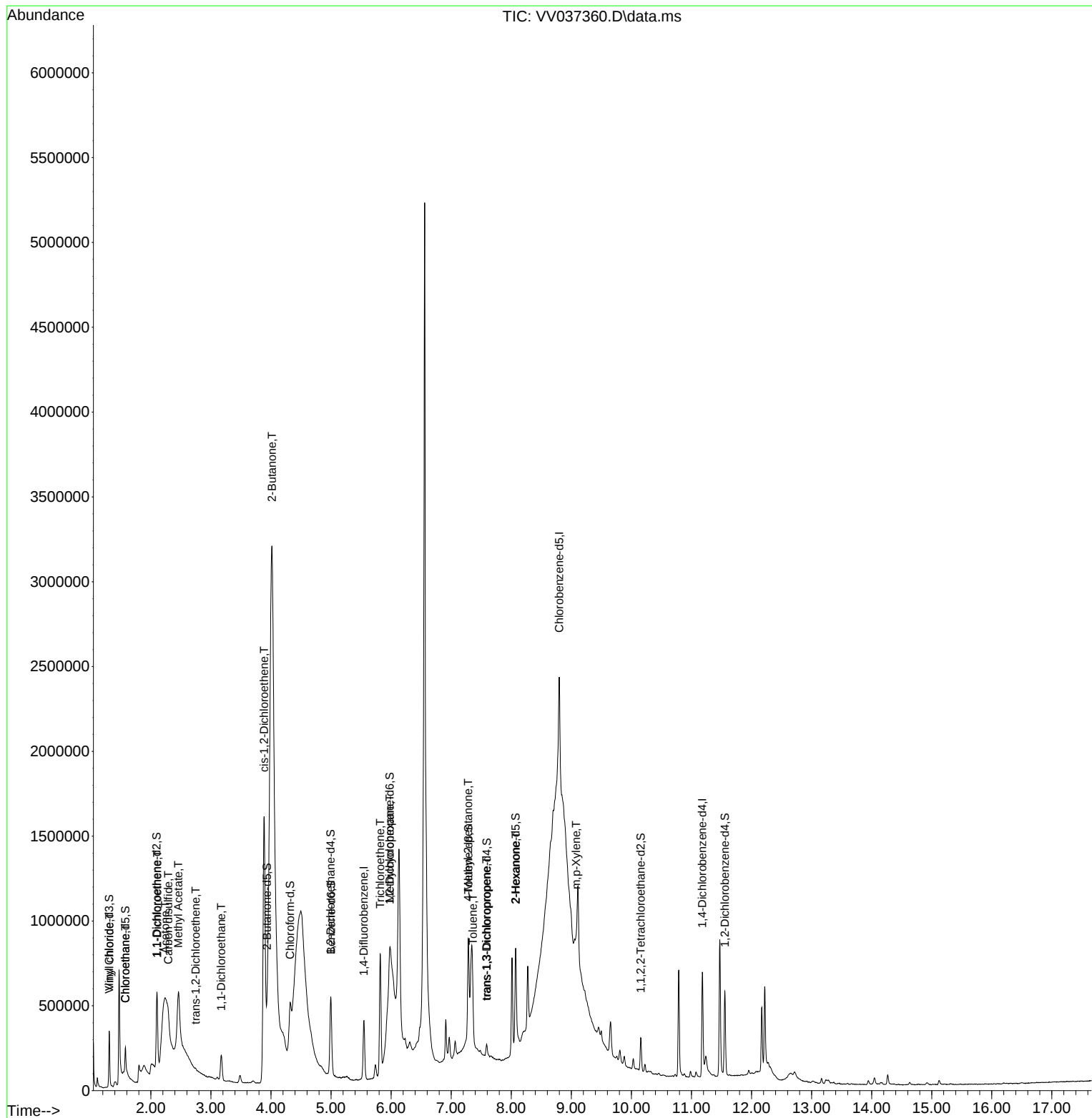
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

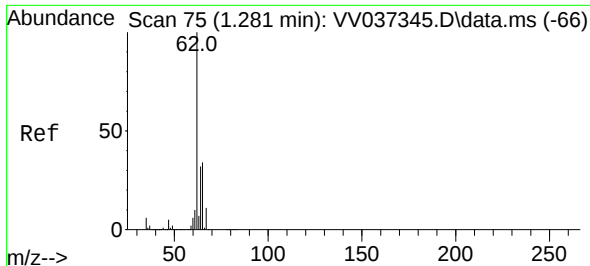
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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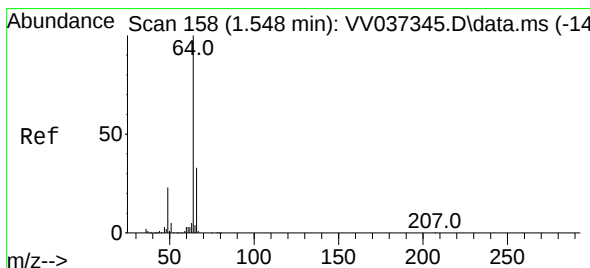
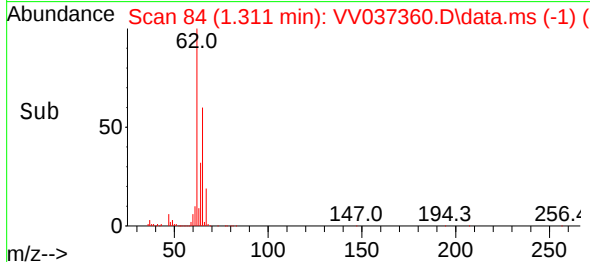
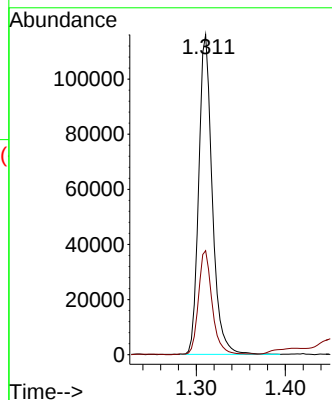
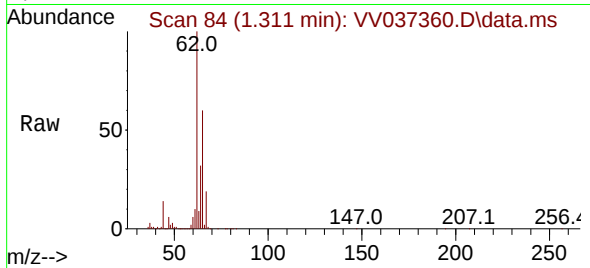




#5
 Vinyl chloride
 Concen: 4.410 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.029 min
 Lab File: VV037360.D
 Acq: 19 Sep 2024 02:43

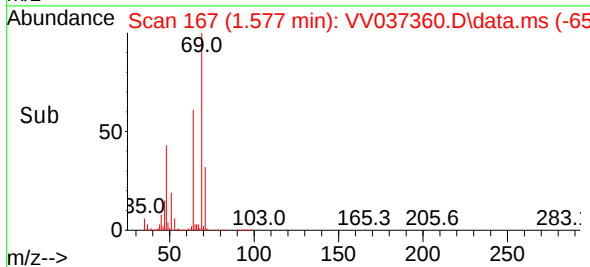
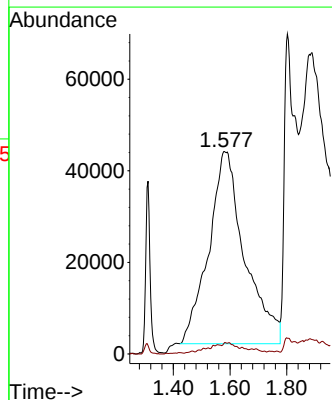
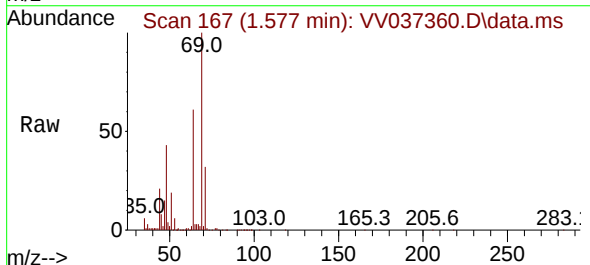
Instrument :
 MSVOA_V
 ClientSampleId :

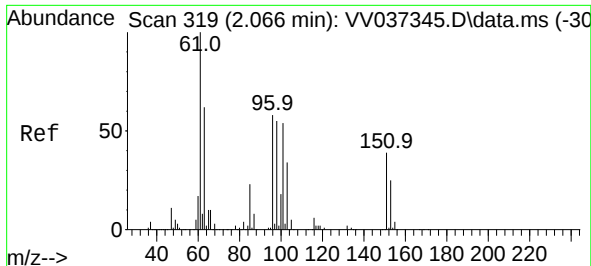
Tgt Ion: 62 Resp: 122269
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.4 41.6



#8
 Chloroethane
 Concen: 22.148 ug/L
 RT: 1.577 min Scan# 167
 Delta R.T. 0.029 min
 Lab File: VV037360.D
 Acq: 19 Sep 2024 02:43

Tgt Ion: 64 Resp: 369259
 Ion Ratio Lower Upper
 64 100
 66 5.1 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 3.963 ug/L

RT: 2.108 min Scan# 319

Delta R.T. 0.042 min

Lab File: VV037360.D

Acq: 19 Sep 2024 02:43

Instrument :

MSVOA_V

ClientSampleId :

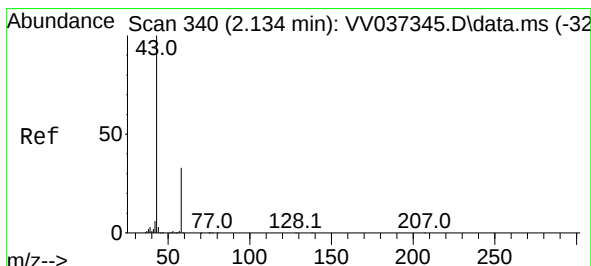
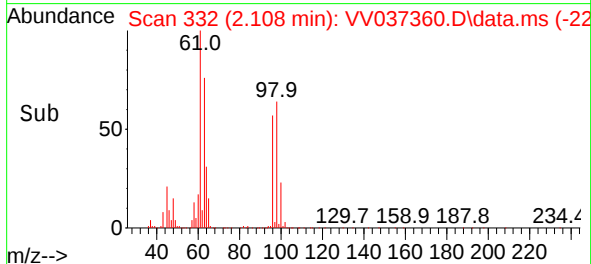
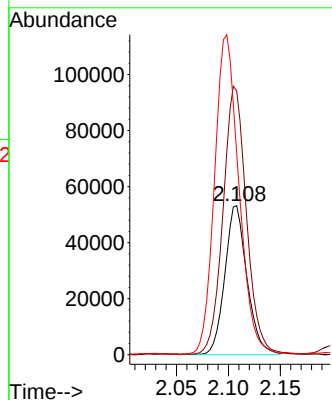
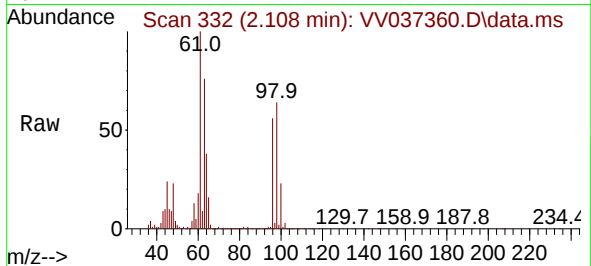
Tgt Ion: 96 Resp: 79042

Ion Ratio Lower Upper

96 100

61 177.1 119.9 222.7

63 135.2 81.4 151.2



#13

Acetone

Concen: 643.415 ug/L

RT: 2.237 min Scan# 372

Delta R.T. 0.103 min

Lab File: VV037360.D

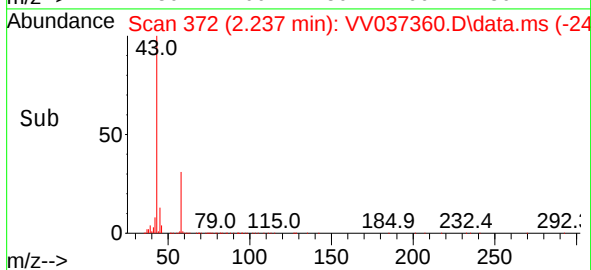
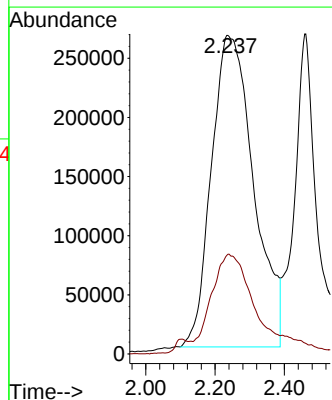
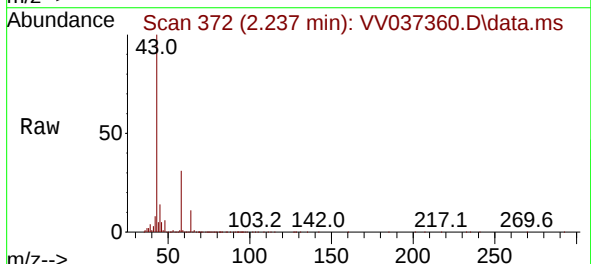
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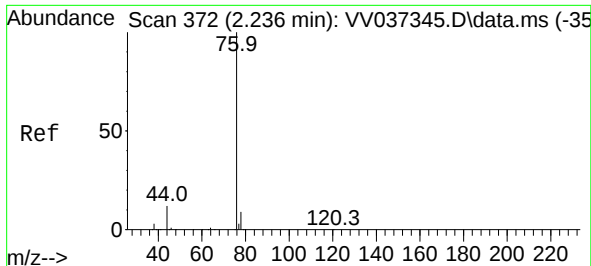
Tgt Ion: 43 Resp: 2235671

Ion Ratio Lower Upper

43 100

58 26.2 0.0 69.2





#14

Carbon disulfide

Concen: 0.905 ug/L

RT: 2.288 min Scan# 3

Delta R.T. 0.052 min

Lab File: VV037360.D

Acq: 19 Sep 2024 02:43

Instrument :

MSVOA_V

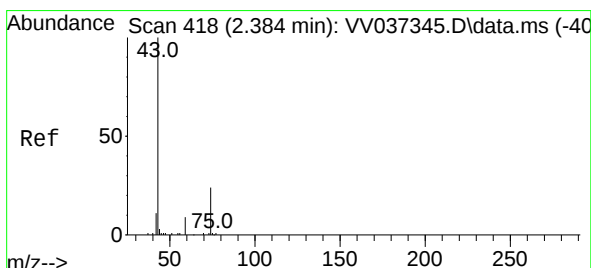
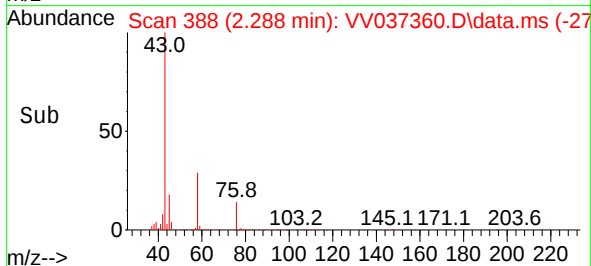
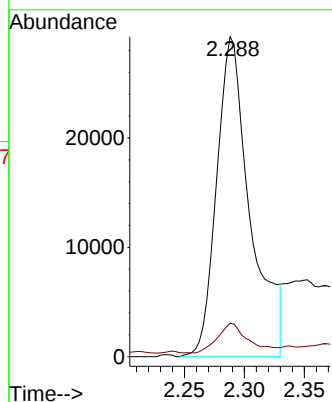
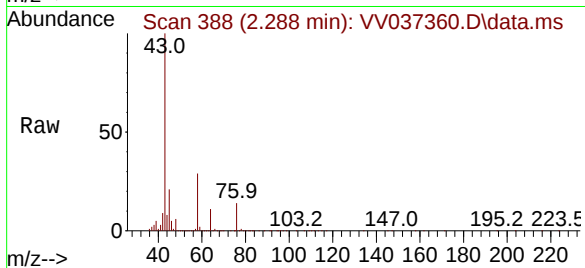
ClientSampleId :

Tgt Ion: 76 Resp: 56944

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9



#15

Methyl Acetate

Concen: 124.173 ug/L

RT: 2.458 min Scan# 441

Delta R.T. 0.074 min

Lab File: VV037360.D

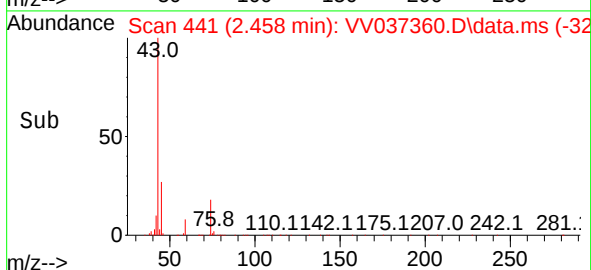
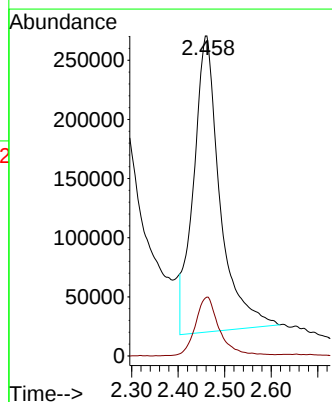
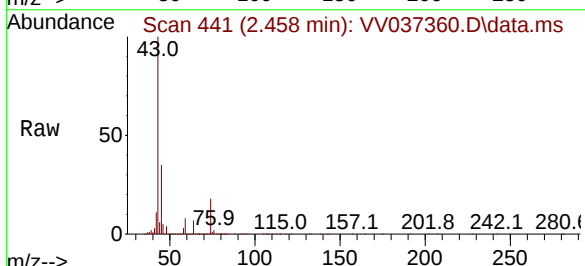
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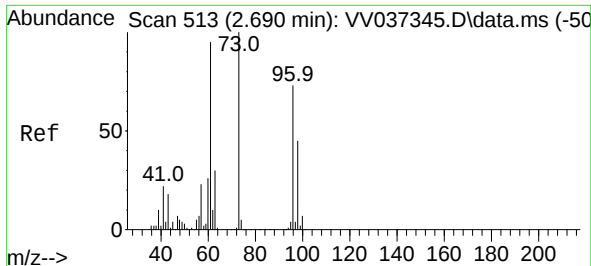
Tgt Ion: 43 Resp: 988221

Ion Ratio Lower Upper

43 100

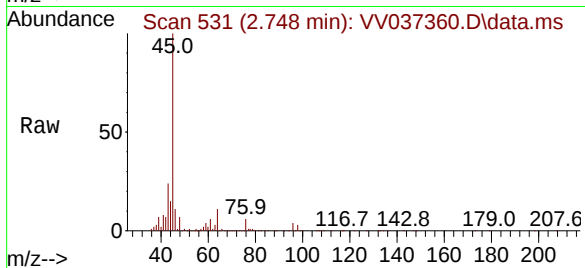
74 17.7 21.0 31.4#



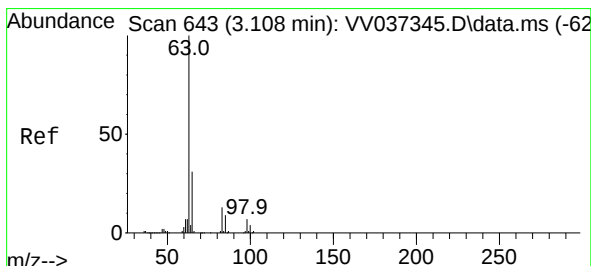
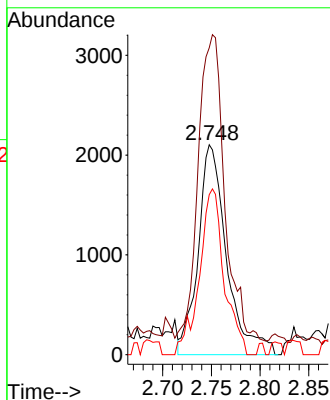
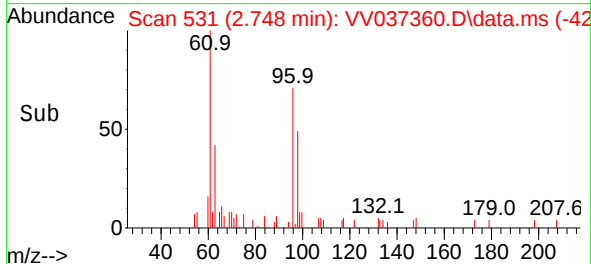


#18
trans-1,2-Dichloroethene
Concen: 0.204 ug/L
RT: 2.748 min Scan# 513
Delta R.T. 0.058 min
Lab File: VV037360.D
Acq: 19 Sep 2024 02:43

Instrument :
MSVOA_V
ClientSampleId :

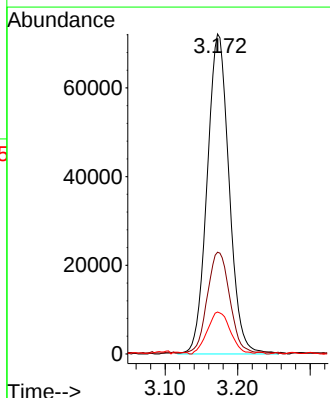
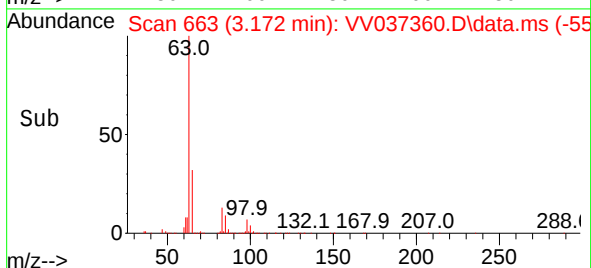
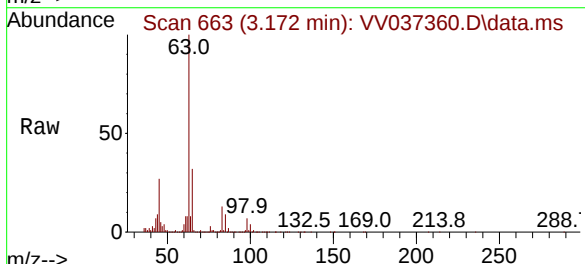


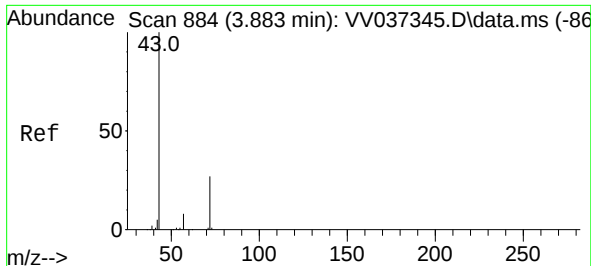
Tgt Ion: 96 Resp: 4273
Ion Ratio Lower Upper
96 100
61 146.2 92.8 172.4
98 76.2 43.0 79.8



#19
1,1-Dichloroethane
Concen: 3.787 ug/L
RT: 3.172 min Scan# 663
Delta R.T. 0.064 min
Lab File: VV037360.D
Acq: 19 Sep 2024 02:43

Tgt Ion: 63 Resp: 151771
Ion Ratio Lower Upper
63 100
65 31.8 22.5 41.7
83 13.1 8.9 16.5

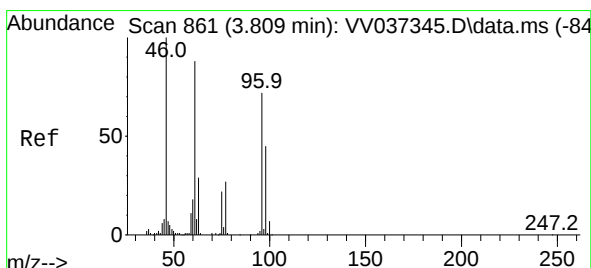
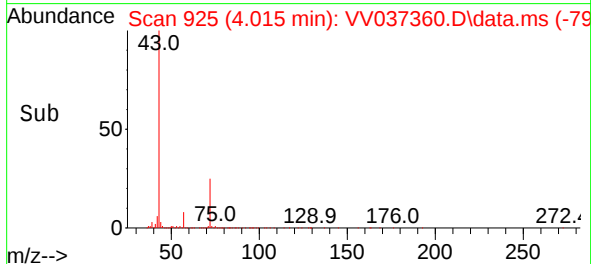
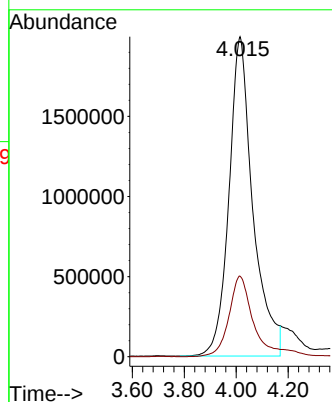
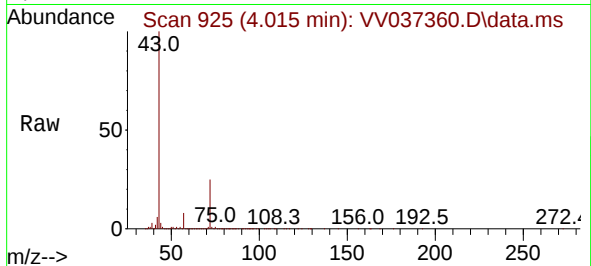




#21
2-Butanone
Concen: 2415.882 ug/L
RT: 4.015 min Scan# 91
Delta R.T. 0.132 min
Lab File: VV037360.D
Acq: 19 Sep 2024 02:43

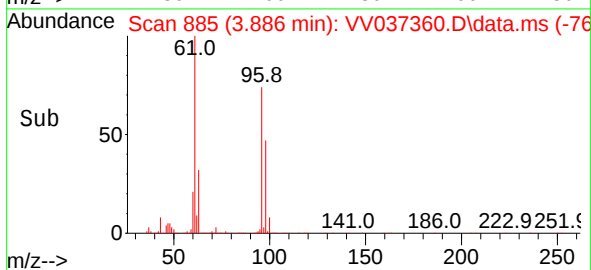
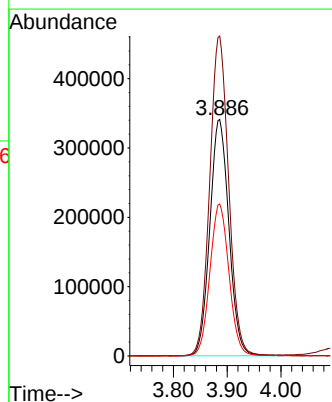
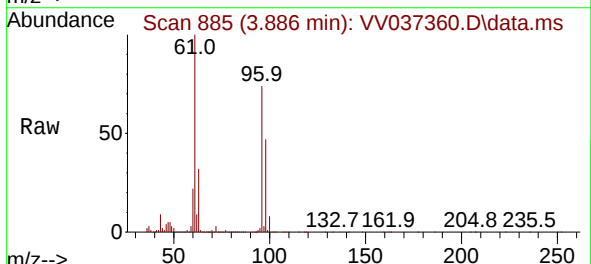
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MSVOA_V
ClientSampleId :

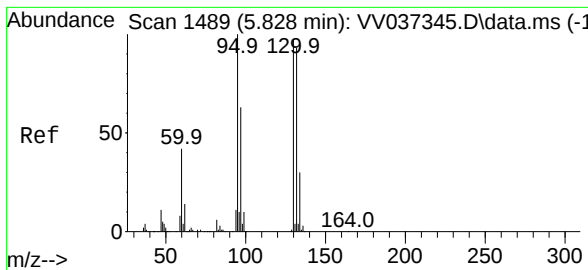
Tgt Ion: 43 Resp:12758352
Ion Ratio Lower Upper
43 100
72 24.9 12.2 36.6



#22
cis-1,2-Dichloroethene
Concen: 37.105 ug/L
RT: 3.886 min Scan# 885
Delta R.T. 0.077 min
Lab File: VV037360.D
Acq: 19 Sep 2024 02:43

Tgt Ion: 96 Resp: 841789
Ion Ratio Lower Upper
96 100
61 135.4 87.6 162.6
98 64.3 44.9 83.5





#34

Trichloroethene

Concen: 9.147 ug/L

RT: 5.818 min Scan# 1486

Delta R.T. -0.010 min

Lab File: VV037360.D

Acq: 19 Sep 2024 02:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 234638

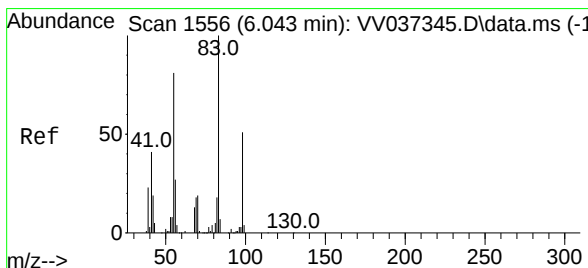
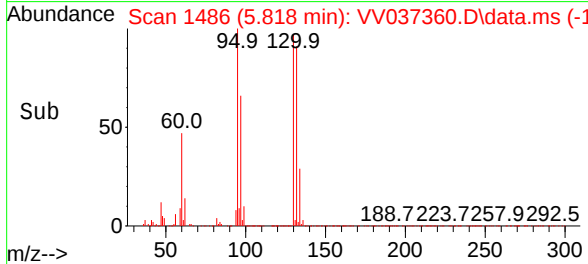
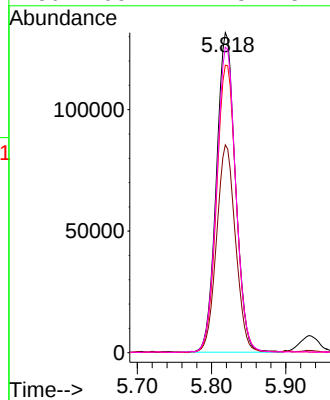
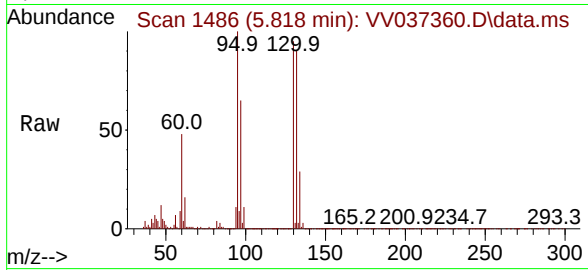
Ion Ratio Lower Upper

95 100

97 65.0 46.5 86.5

132 89.8 65.5 121.7

130 95.4 71.3 132.3



#35

Methylcyclohexane

Concen: 0.562 ug/L

RT: 5.979 min Scan# 1536

Delta R.T. -0.064 min

Lab File: VV037360.D

Acq: 19 Sep 2024 02:43

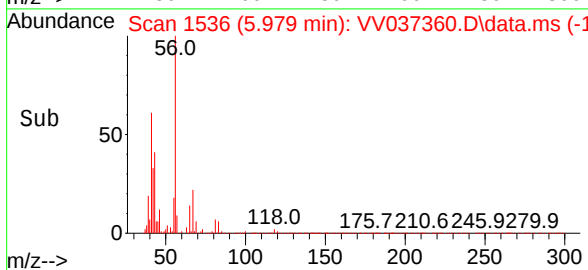
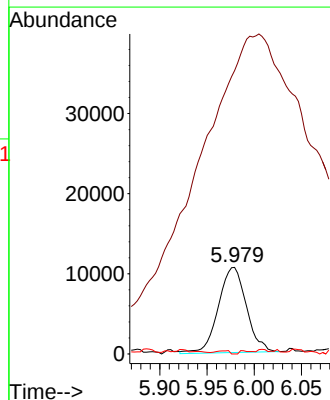
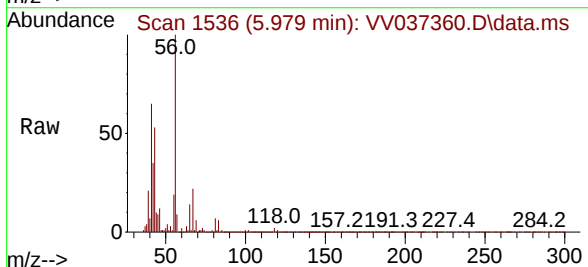
Tgt Ion: 83 Resp: 21921

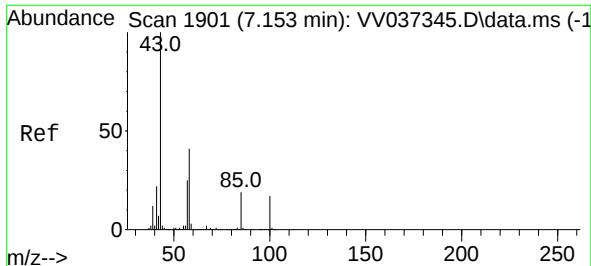
Ion Ratio Lower Upper

83 100

55 0.0 60.3 90.5#

98 1.5 38.2 57.4#





#40

4-Methyl-2-pentanone

Concen: 12.777 ug/L

RT: 7.281 min Scan# 1

Delta R.T. 0.129 min

Lab File: VV037360.D

Acq: 19 Sep 2024 02:43

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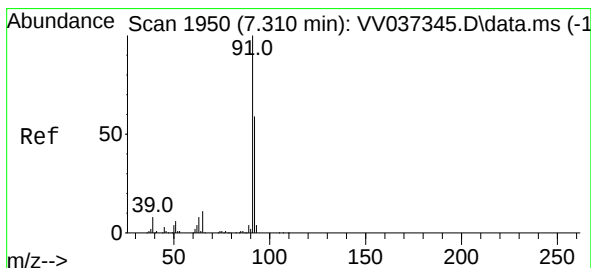
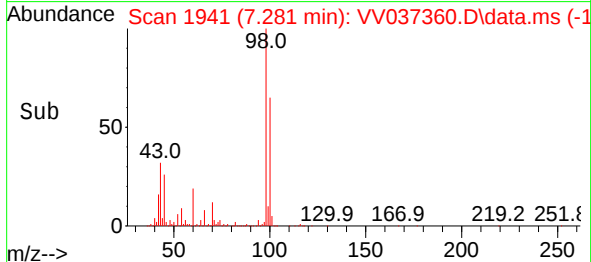
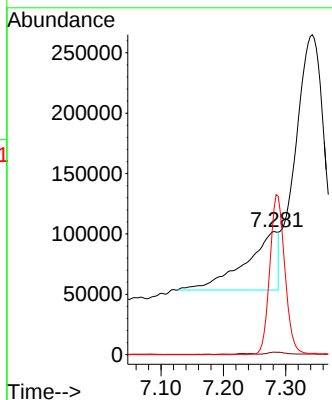
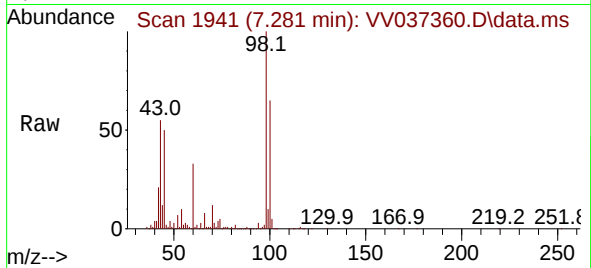
Tgt Ion: 43 Resp: 177153

Ion Ratio Lower Upper

43 100

58 1.9 31.7 47.5#

100 126.7 12.6 19.0#



#42

Toluene

Concen: 0.099 ug/L

RT: 7.362 min Scan# 1966

Delta R.T. 0.052 min

Lab File: VV037360.D

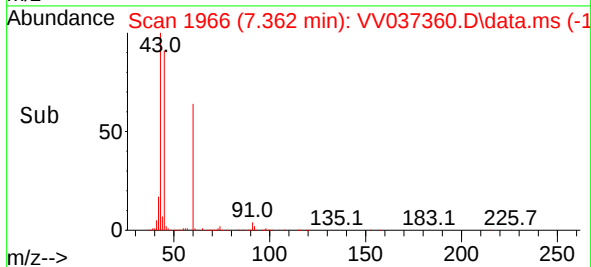
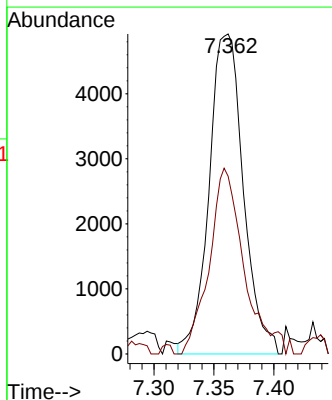
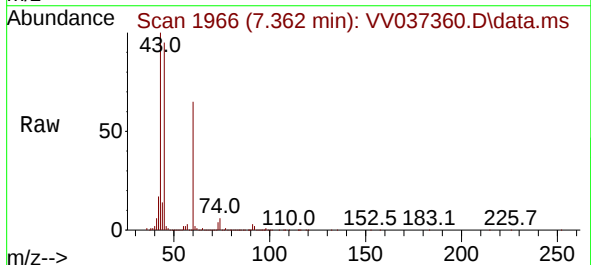
Acq: 19 Sep 2024 02:43

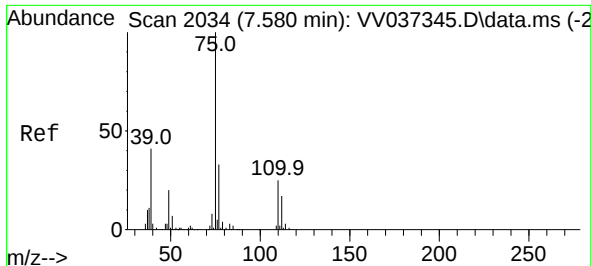
Tgt Ion: 91 Resp: 9784

Ion Ratio Lower Upper

91 100

92 55.6 41.4 77.0





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.587 min Scan# 2034

Delta R.T. 0.007 min

Lab File: VV037360.D

Acq: 19 Sep 2024 02:43

Instrument :

MSVOA_V

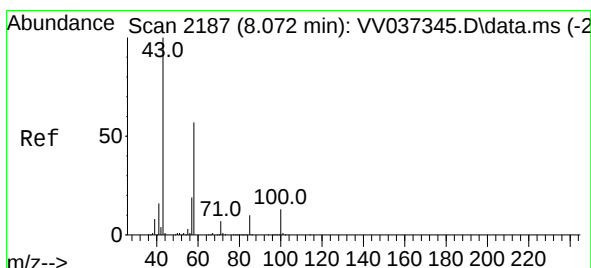
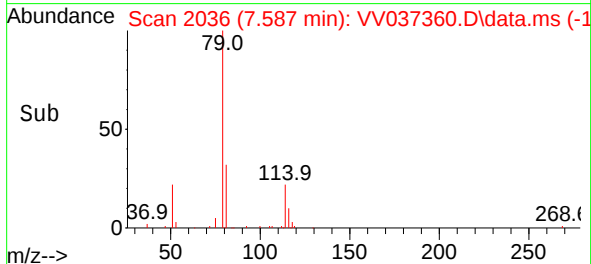
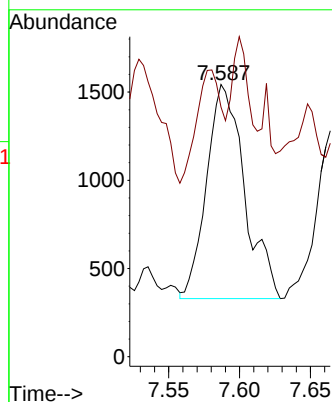
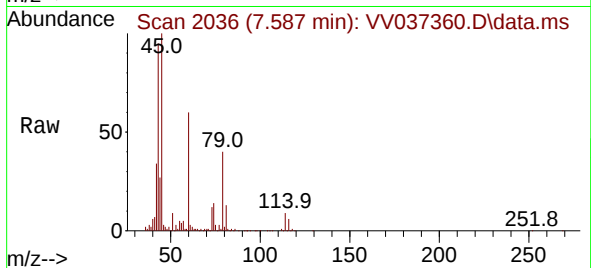
ClientSampleId :

Tgt Ion: 75 Resp: 2254

Ion Ratio Lower Upper

75 100

77 91.7 20.9 38.9#



#48

2-Hexanone

Concen: 3.008 ug/L

RT: 8.076 min Scan# 2188

Delta R.T. 0.003 min

Lab File: VV037360.D

Acq: 19 Sep 2024 02:43

Tgt Ion: 43 Resp: 30482

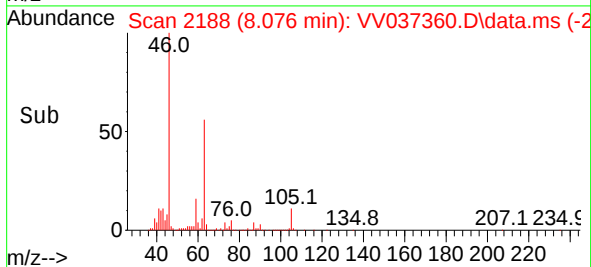
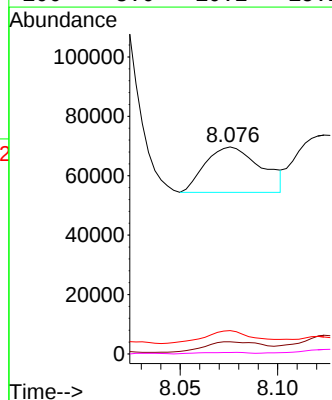
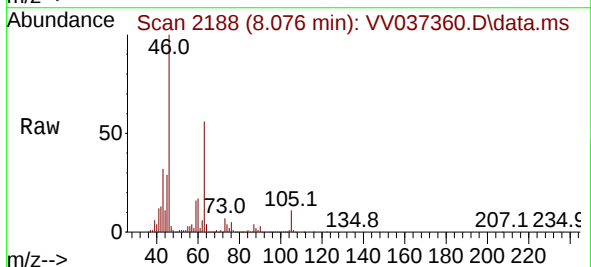
Ion Ratio Lower Upper

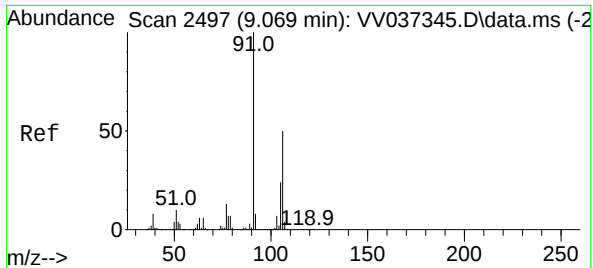
43 100

58 25.2 45.5 68.3#

57 25.1 15.3 22.9#

100 3.0 10.2 15.2#





#53
 m,p-Xylene
 Concen: 0.092 ug/L
 RT: 9.082 min Scan# 2497
 Delta R.T. 0.013 min
 Lab File: VV037360.D
 Acq: 19 Sep 2024 02:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:106 Resp: 3721
 Ion Ratio Lower Upper
 106 100
 91 164.6 143.3 266.1

