

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060017.D
 Acq On : 18 Jul 2024 15:12
 Operator : MD/SY
 Sample : P3298-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 19 01:33:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 01:30:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	143646	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	152884	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	70020	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	54653	5.468	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.400%
7) Chloroethane-d5	1.911	69	48196	5.191	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.800%
11) 1,1-Dichloroethene-d2	2.560	65	20399	5.228	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.600%
20) 2-Butanone-d5	4.624	46	126197	54.008	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.020%
24) Chloroform-d	5.055	84	107886	5.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.695	65	51057	5.220	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.721	84	214147	5.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
36) 1,2-Dichloropropane-d6	6.685	67	68642	5.259	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.200%
41) Toluene-d8	7.894	98	183915	4.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	8.177	79	23974	5.396	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.000%
46) 2-Hexanone-d5	8.627	63	108012	54.783	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.560%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	57845	4.979	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	72147	5.708	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	241349	16.409	ug/L	100
12) 1,1-Dichloroethene	2.573	96	12189	1.112	ug/L #	1
13) Acetone	2.641	43	10889	7.045	ug/L	98
16) Methylene chloride	3.042	84	7009	0.521	ug/L	93
18) trans-1,2-Dichloroethene	3.348	96	77212	6.770	ug/L	95
19) 1,1-Dichloroethane	3.866	63	16271	0.751	ug/L	95
22) cis-1,2-Dichloroethene	4.657	96	5358791	419.497	ug/L	98
25) Chloroform	5.081	83	89687	3.766	ug/L	100
33) Benzene	5.772	78	9264	0.183	ug/L	100
34) Trichloroethene	6.534	95	1875693	140.031	ug/L	96
37) 1,2-Dichloropropane	6.685	63	7074	0.518	ug/L #	88
42) Toluene	7.965	91	334285	6.220	ug/L	98
45) 1,1,2-Trichloroethane	8.570	97	274307	26.310	ug/L #	1
52) Ethylbenzene	9.566	91	15708	0.293	ug/L	95
53) m,p-Xylene	9.688	106	31207	1.507	ug/L	97
54) o-Xylene	10.097	106	14237	0.719	ug/L	96
60) Isopropylbenzene	10.997	105	4139	0.090	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	3741	0.107	ug/L	93
63) 1,2,4-Trimethylbenzene	11.467	105	5062	0.150	ug/L	97

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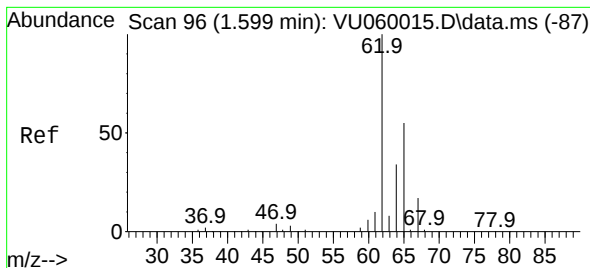
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.100	128	4088	0.204	ug/L	97

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

Instrument :
MSVOA_U
ClientSampleId :

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MSVOA_U
ClientSampleId :





#5

Vinyl chloride

Concen: 16.409 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

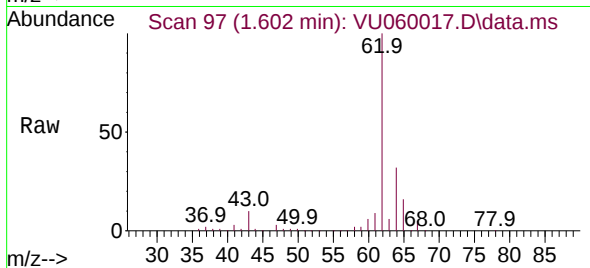
Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

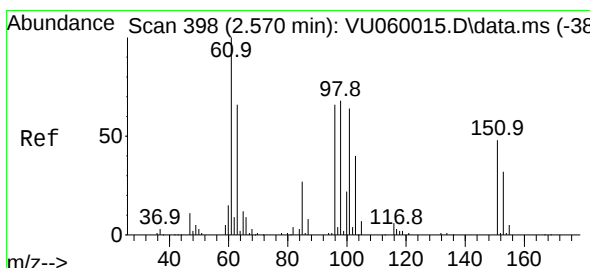
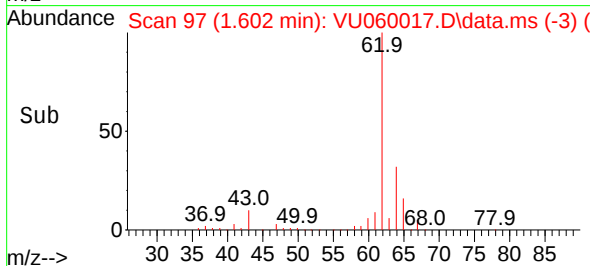
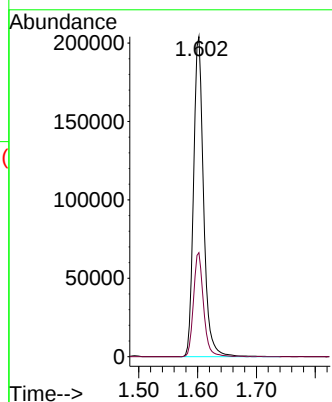


Tgt Ion: 62 Resp: 241349

Ion Ratio Lower Upper

62 100

64 32.5 22.8 42.4



#12

1,1-Dichloroethene

Concen: 1.112 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

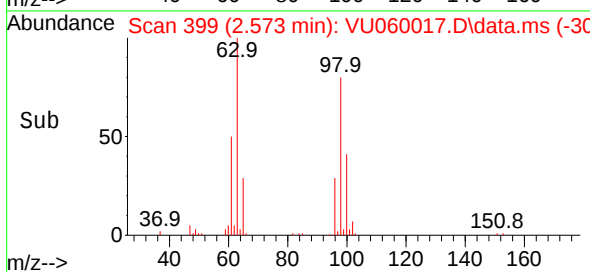
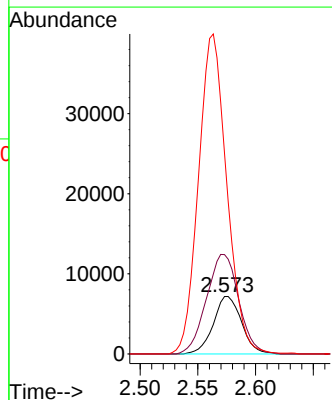
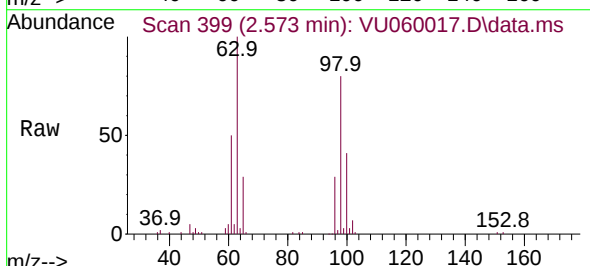
Tgt Ion: 96 Resp: 12189

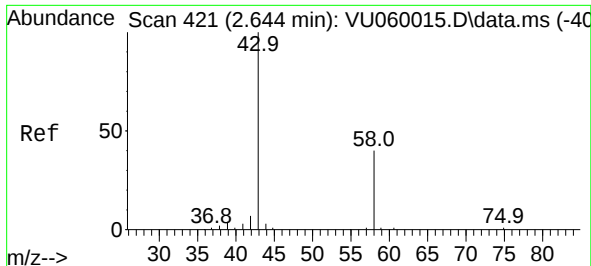
Ion Ratio Lower Upper

96 100

61 172.9 107.0 198.6

63 349.1 76.4 142.0#





#13

Acetone

Concen: 7.045 ug/L

RT: 2.641 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

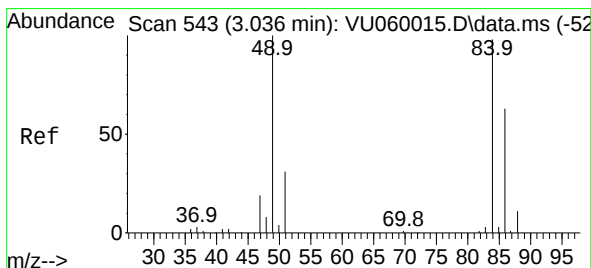
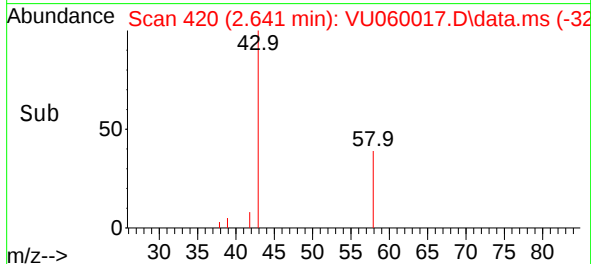
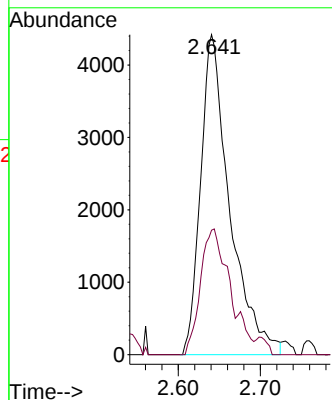
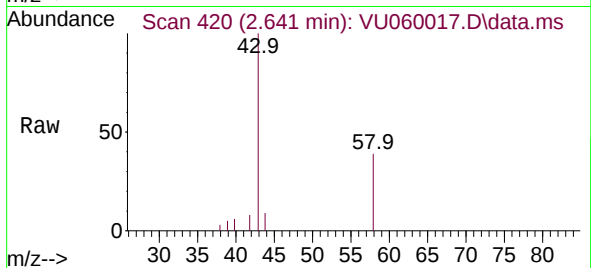
ClientSampleId :

Tgt Ion: 43 Resp: 10889

Ion Ratio Lower Upper

43 100

58 40.1 0.0 82.2



#16

Methylene chloride

Concen: 0.521 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.006 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

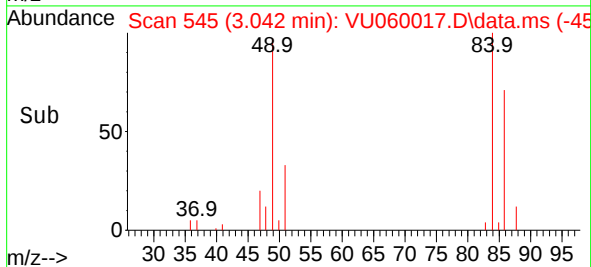
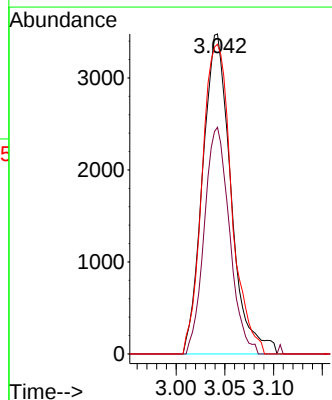
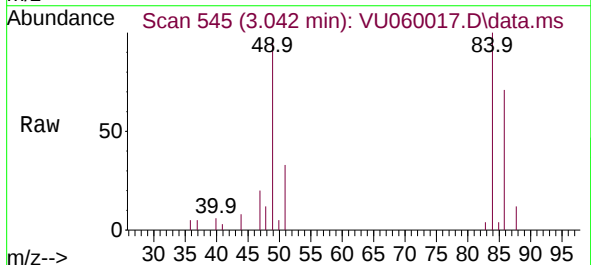
Tgt Ion: 84 Resp: 7009

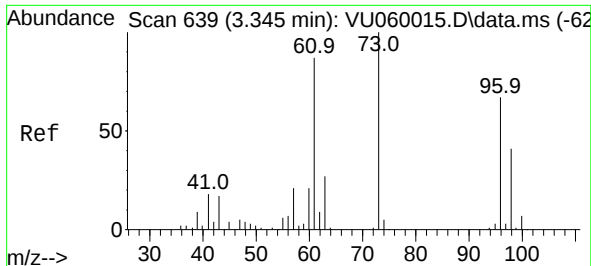
Ion Ratio Lower Upper

84 100

86 70.8 44.4 82.5

49 96.8 72.0 133.6





#18

trans-1,2-Dichloroethene

Concen: 6.770 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.003 min

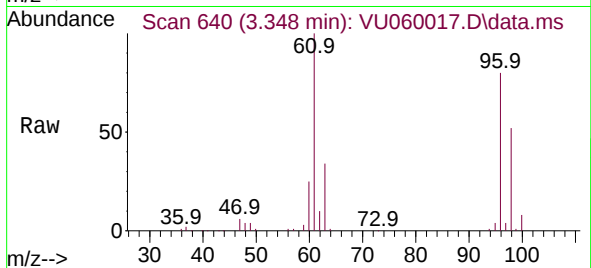
Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :



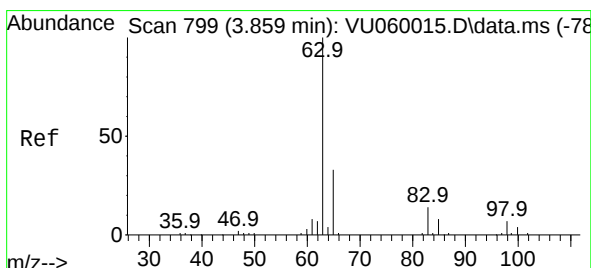
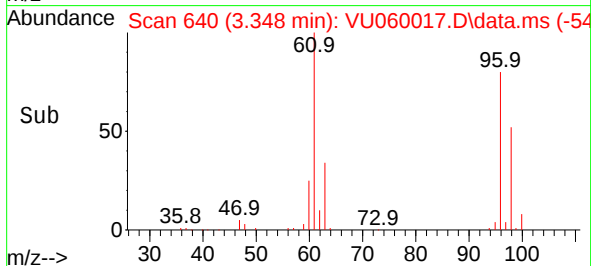
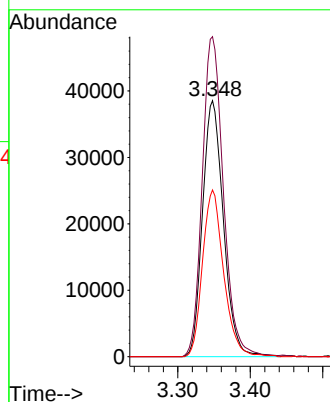
Tgt Ion: 96 Resp: 77212

Ion Ratio Lower Upper

96 100

61 125.0 91.6 170.0

98 65.1 47.7 88.5



#19

1,1-Dichloroethane

Concen: 0.751 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

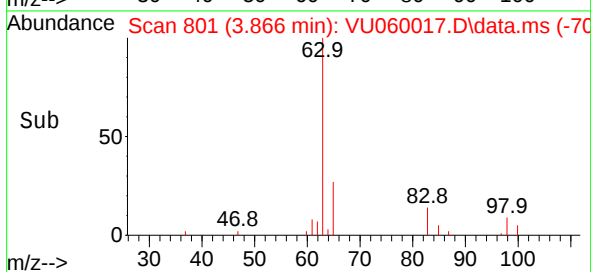
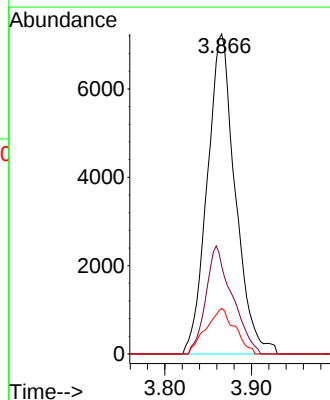
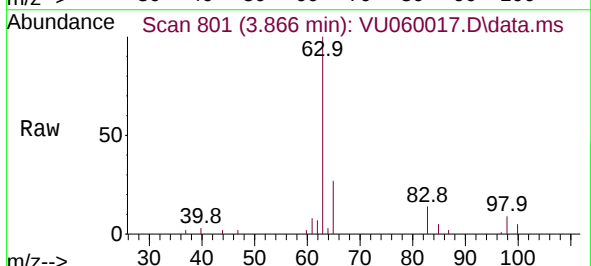
Tgt Ion: 63 Resp: 16271

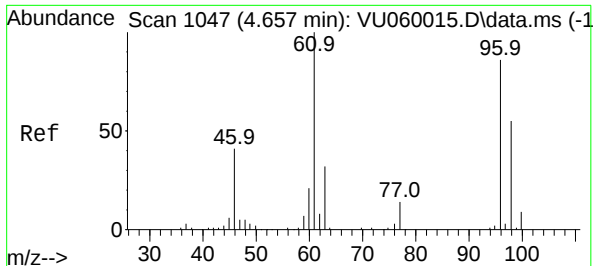
Ion Ratio Lower Upper

63 100

65 27.5 22.0 40.8

83 14.3 9.7 17.9

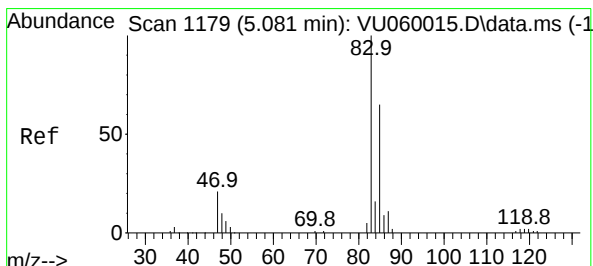
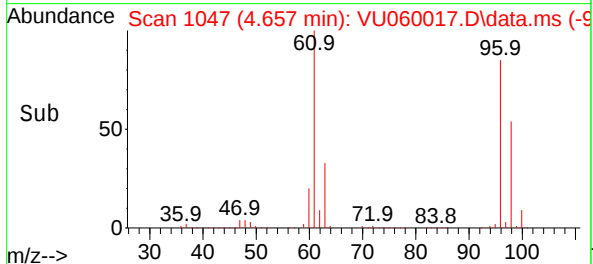
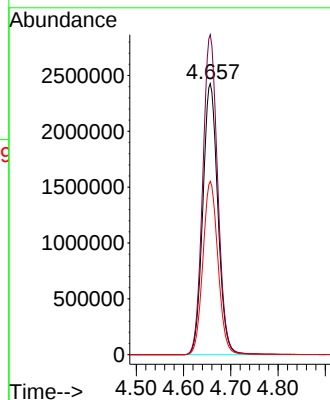
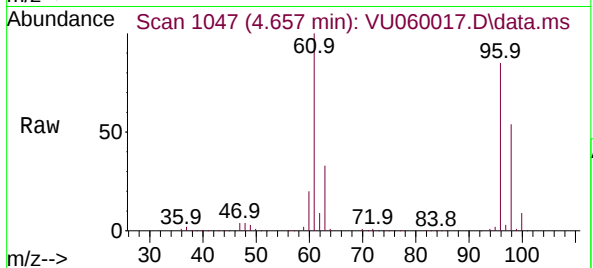




#22
cis-1,2-Dichloroethene
Concen: 419.497 ug/L
RT: 4.657 min Scan# 110
Delta R.T. -0.000 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

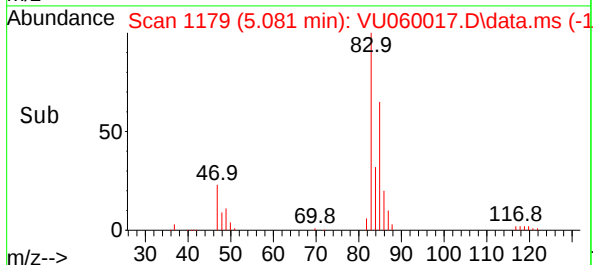
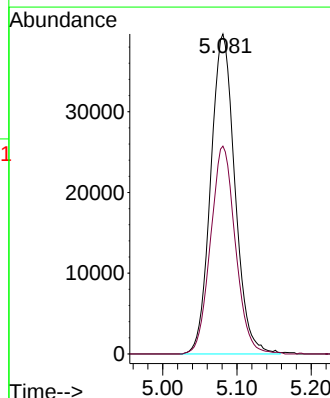
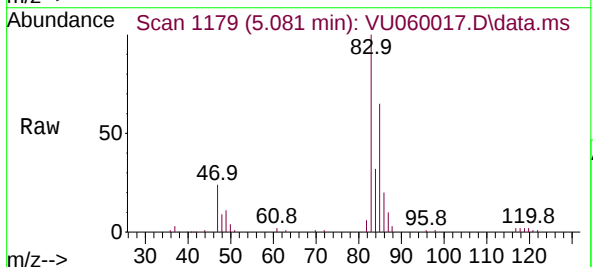
Instrument :
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ClientSampleId :

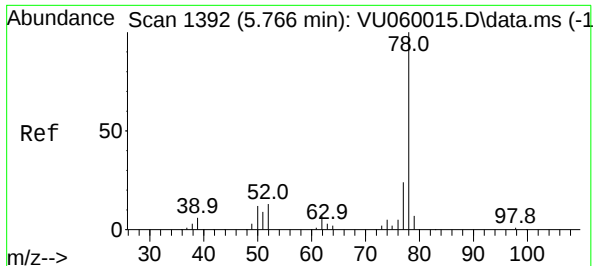
Tgt Ion: 96 Resp: 5358791
Ion Ratio Lower Upper
96 100
61 118.0 80.2 148.9
98 63.9 44.7 83.1



#25
Chloroform
Concen: 3.766 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

Tgt Ion: 83 Resp: 89687
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2





#33

Benzene

Concen: 0.183 ug/L

RT: 5.772 min Scan# 1394

Delta R.T. 0.006 min

Lab File: VU060017.D

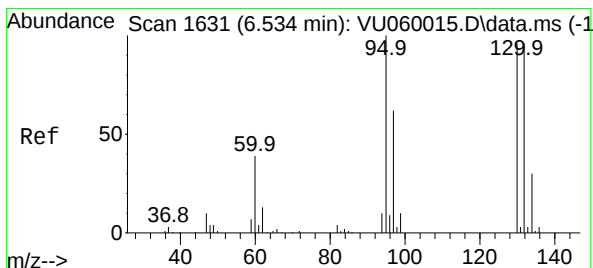
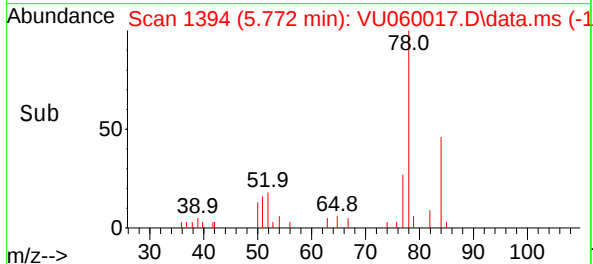
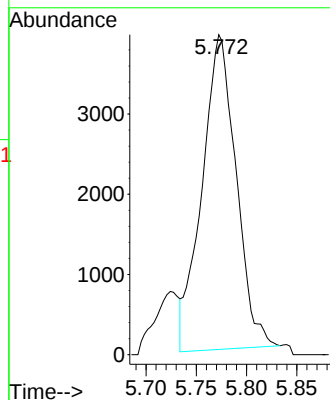
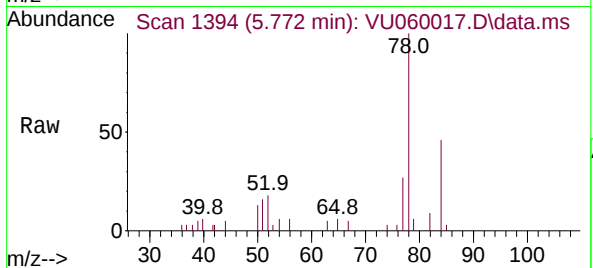
Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 9264



#34

Trichloroethene

Concen: 140.031 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.000 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Tgt Ion: 95 Resp: 1875693

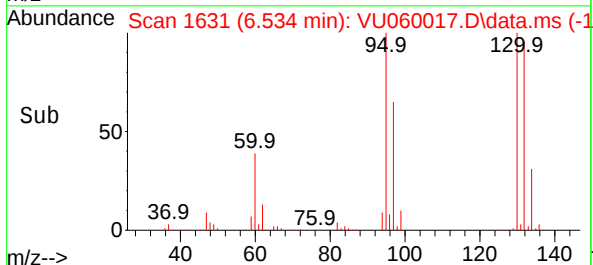
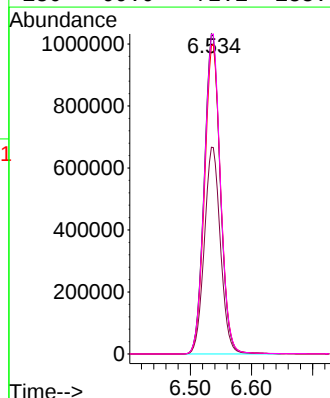
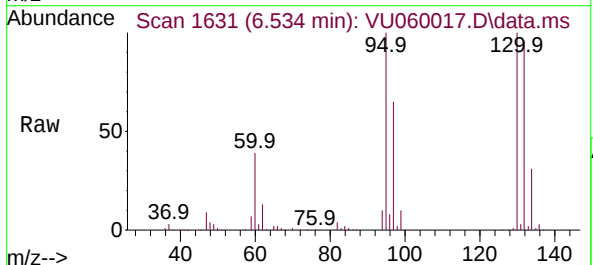
Ion Ratio Lower Upper

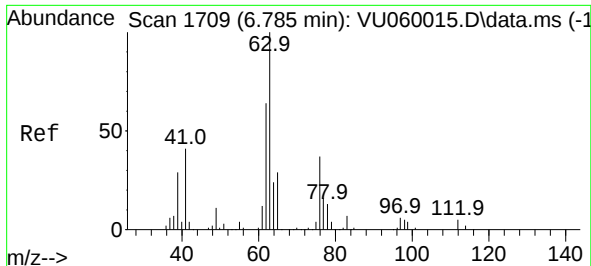
95 100

97 64.6 45.9 85.3

132 96.3 71.4 132.6

130 99.9 72.1 133.9





#37

1,2-Dichloropropane

Concen: 0.518 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

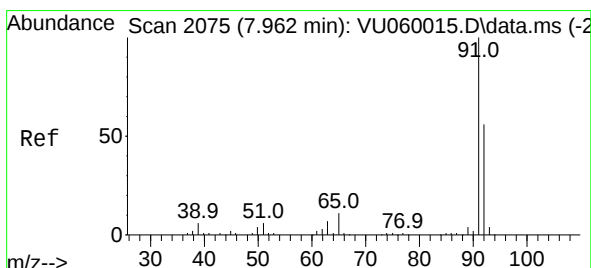
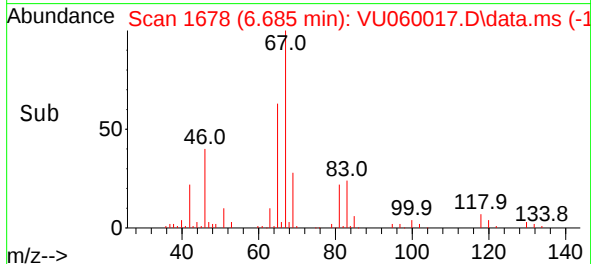
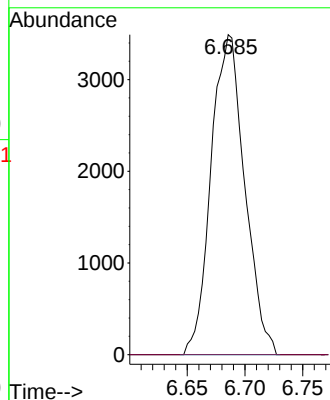
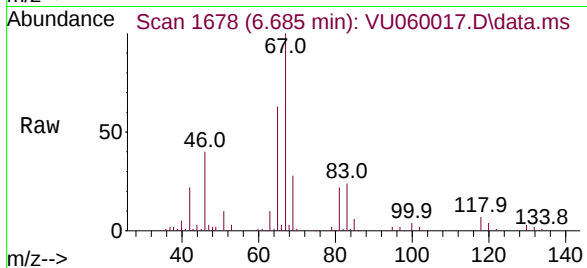
ClientSampleId :

Tgt Ion: 63 Resp: 7074

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 6.220 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU060017.D

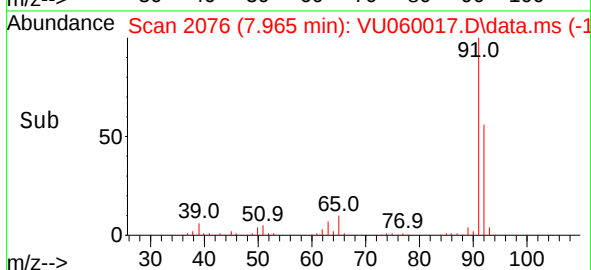
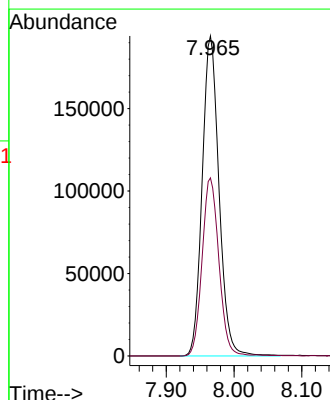
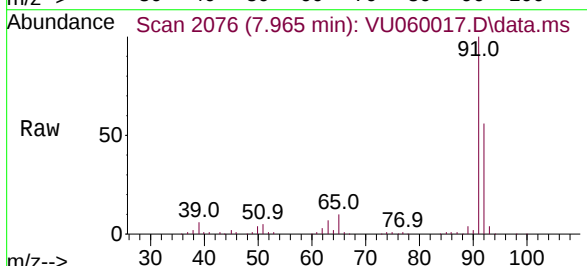
Acq: 18 Jul 2024 15:12

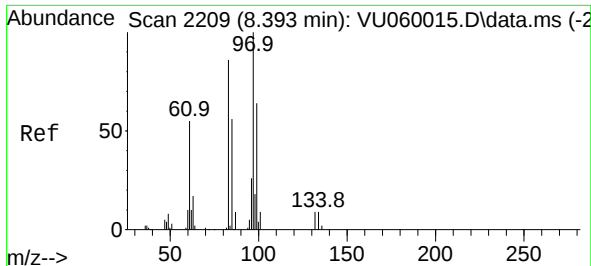
Tgt Ion: 91 Resp: 334285

Ion Ratio Lower Upper

91 100

92 55.6 39.8 73.8





#45

1,1,2-Trichloroethane

Concen: 26.310 ug/L

RT: 8.570 min Scan# 21

Delta R.T. 0.177 min

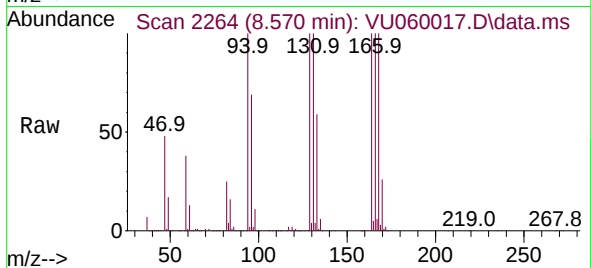
Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 274307

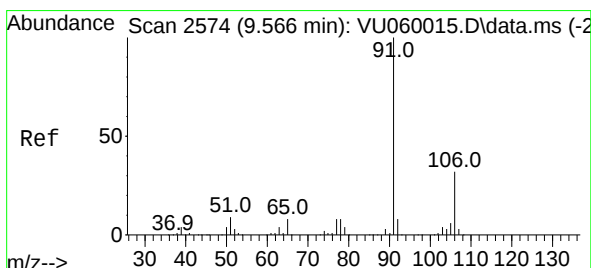
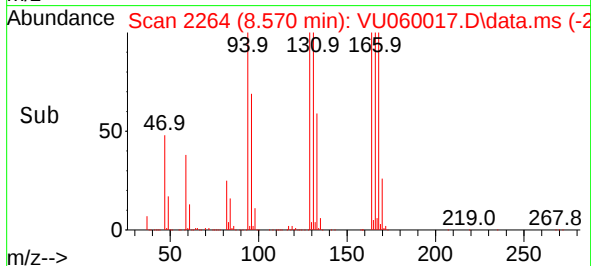
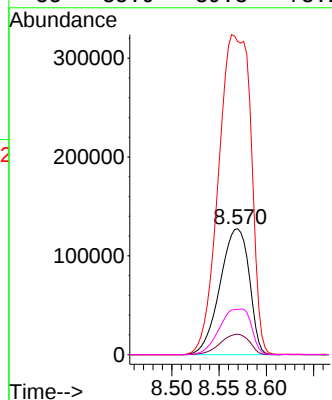
Ion Ratio Lower Upper

97 100

99 16.2 43.8 81.4#

83 248.7 62.1 115.3#

85 35.9 39.3 73.1#



#52

Ethylbenzene

Concen: 0.293 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. -0.000 min

Lab File: VU060017.D

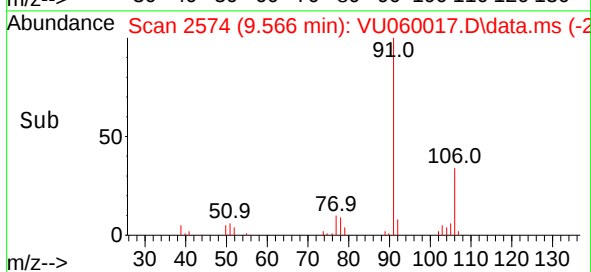
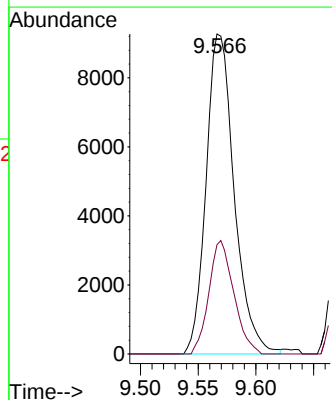
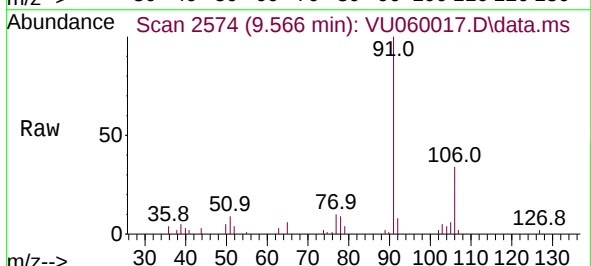
Acq: 18 Jul 2024 15:12

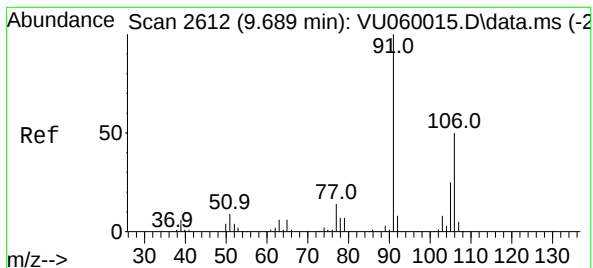
Tgt Ion: 91 Resp: 15708

Ion Ratio Lower Upper

91 100

106 34.1 21.9 40.7





#53

m,p-Xylene

Concen: 1.507 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

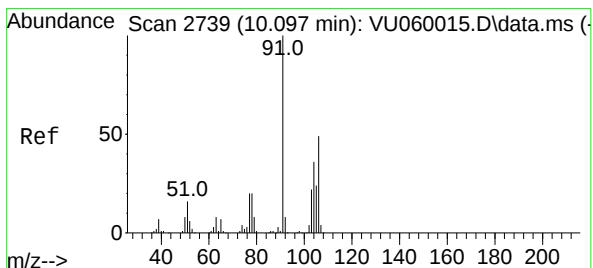
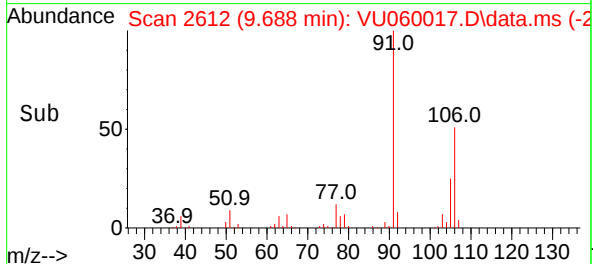
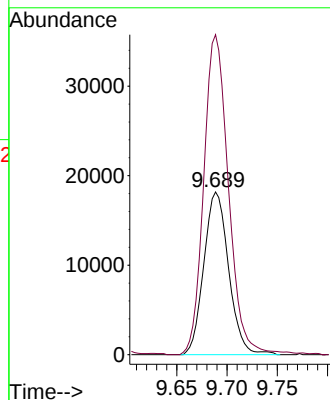
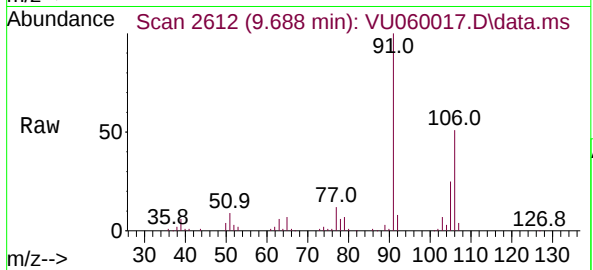
ClientSampleId :

Tgt Ion:106 Resp: 31207

Ion Ratio Lower Upper

106 100

91 196.6 141.3 262.5



#54

o-Xylene

Concen: 0.719 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. -0.000 min

Lab File: VU060017.D

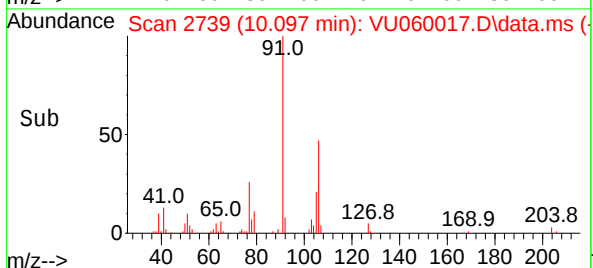
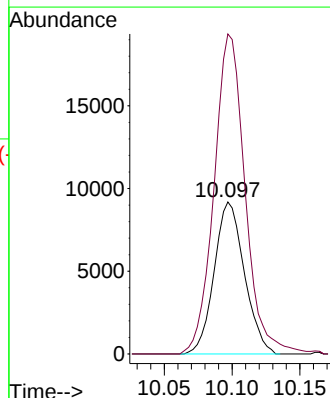
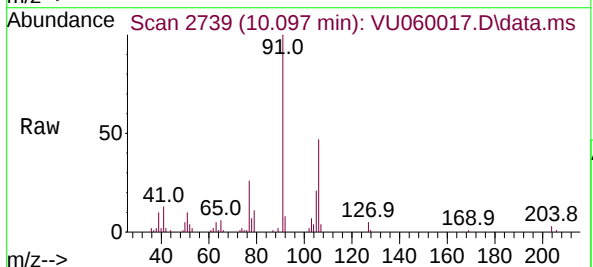
Acq: 18 Jul 2024 15:12

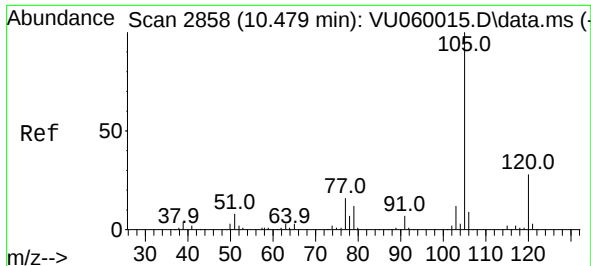
Tgt Ion:106 Resp: 14237

Ion Ratio Lower Upper

106 100

91 210.6 143.6 266.6





#60

Isopropylbenzene

Concen: 0.090 ug/L

RT: 10.997 min Scan# 3019

Delta R.T. 0.518 min

Lab File: VU060017.D

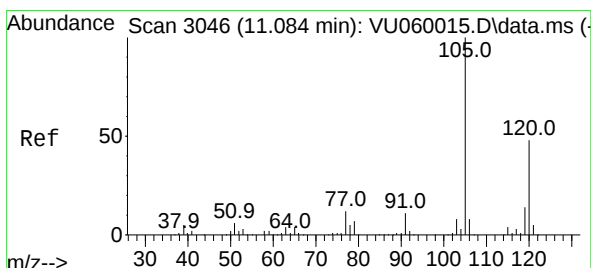
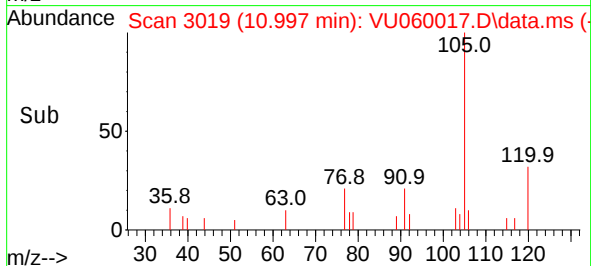
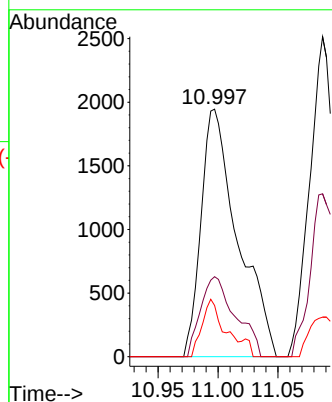
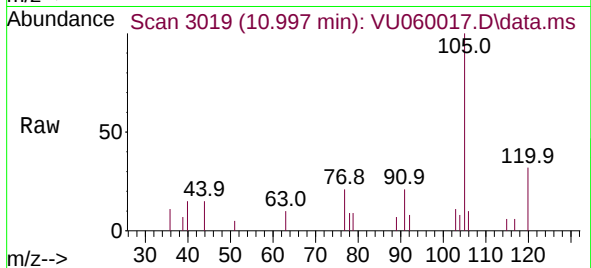
Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105	Resp:	4139
Ion Ratio	Lower	Upper
105	100	
120	30.7	21.9 32.9
77	15.5	12.1 18.1



#62

1,3,5-Trimethylbenzene

Concen: 0.107 ug/L

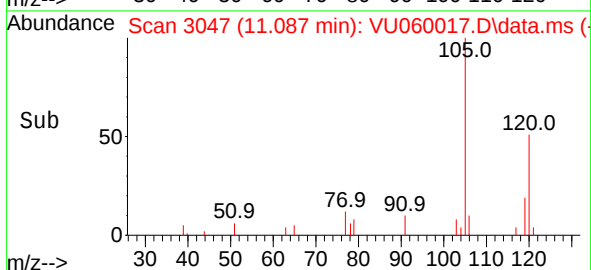
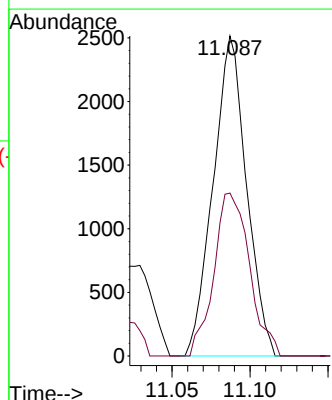
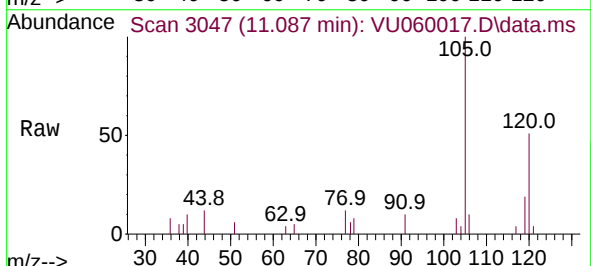
RT: 11.087 min Scan# 3047

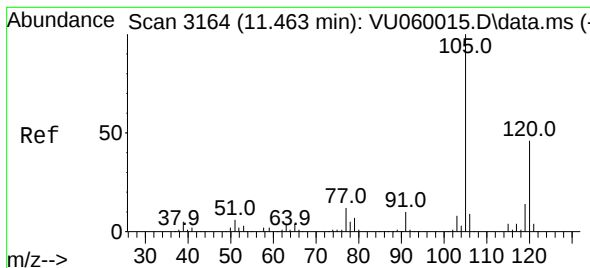
Delta R.T. 0.003 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Tgt Ion:105	Resp:	3741
Ion Ratio	Lower	Upper
105	100	
120	54.4	39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 0.150 ug/L

RT: 11.467 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

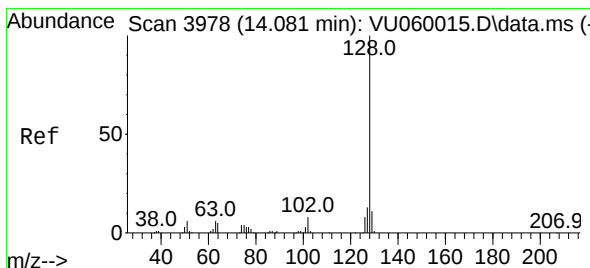
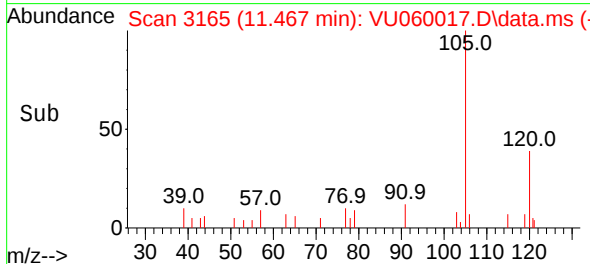
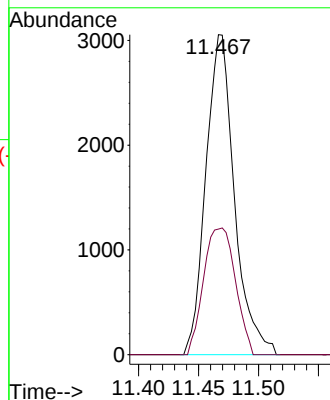
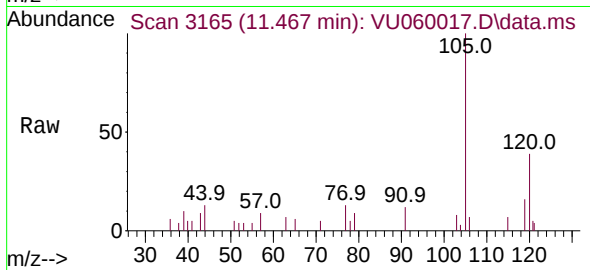
ClientSampleId :

Tgt Ion:105 Resp: 5062

Ion Ratio Lower Upper

105 100

120 43.9 36.7 55.1



#71

Naphthalene

Concen: 0.204 ug/L

RT: 14.100 min Scan# 3984

Delta R.T. 0.019 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Tgt Ion:128 Resp: 4088

Ion Ratio Lower Upper

128 100

129 10.4 8.2 12.4

127 15.1 10.6 16.0

