

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110724\
 Data File : VU061526.D
 Acq On : 07 Nov 2024 17:31
 Operator : MD/SY
 Sample : P4743-09
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 08 00:30:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 08 00:26:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	147491	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	143755	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	69931	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	62270	6.215	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.400%
7) Chloroethane-d5	1.908	69	45832	4.990	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.800%
11) 1,1-Dichloroethene-d2	2.560	65	21455	5.005	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.200%
20) 2-Butanone-d5	4.631	46	104700	51.471	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.940%
24) Chloroform-d	5.052	84	104737	5.507	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.200%
26) 1,2-Dichloroethane-d4	5.695	65	54155	5.713	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.200%
32) Benzene-d6	5.718	84	215131	5.311	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.200%
36) 1,2-Dichloropropane-d6	6.682	67	65894	5.411	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.200%
41) Toluene-d8	7.891	98	198312	5.236	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
43) trans-1,3-Dichloroprop...	8.174	79	22210	4.468	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.628	63	104189	51.173	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.340%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	50252	5.457	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	71925	5.808	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.634	85	6845	0.696	ug/L	98
3) Chloromethane	1.493	50	3886	0.375	ug/L #	41
5) Vinyl chloride	1.599	62	1696495	148.808	ug/L	97
8) Chloroethane	1.930	64	18063	2.152	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	6816	0.741	ug/L	93
12) 1,1-Dichloroethene	2.563	96	2430	0.279	ug/L #	1
15) Methyl Acetate	2.956	43	4644	1.456	ug/L #	47
16) Methylene chloride	3.039	84	1881	0.183	ug/L	91
18) trans-1,2-Dichloroethene	3.348	96	14689	1.523	ug/L	98
19) 1,1-Dichloroethane	3.859	63	132237	7.271	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	477697	43.372	ug/L	99
27) 1,2-Dichloroethane	5.766	62	2652	0.219	ug/L #	75
30) Cyclohexane	5.380	56	11178	0.633	ug/L	98
33) Benzene	5.766	78	291152	6.549	ug/L	100
35) Methylcyclohexane	6.759	83	4147	0.215	ug/L #	86
37) 1,2-Dichloropropane	6.682	63	7462	0.662	ug/L #	96
39) cis-1,3-Dichloropropene	7.560	75	2197	0.126	ug/L #	69
42) Toluene	7.962	91	3221958	66.735	ug/L	99
51) Chlorobenzene	9.441	112	28204	0.924	ug/L	93

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

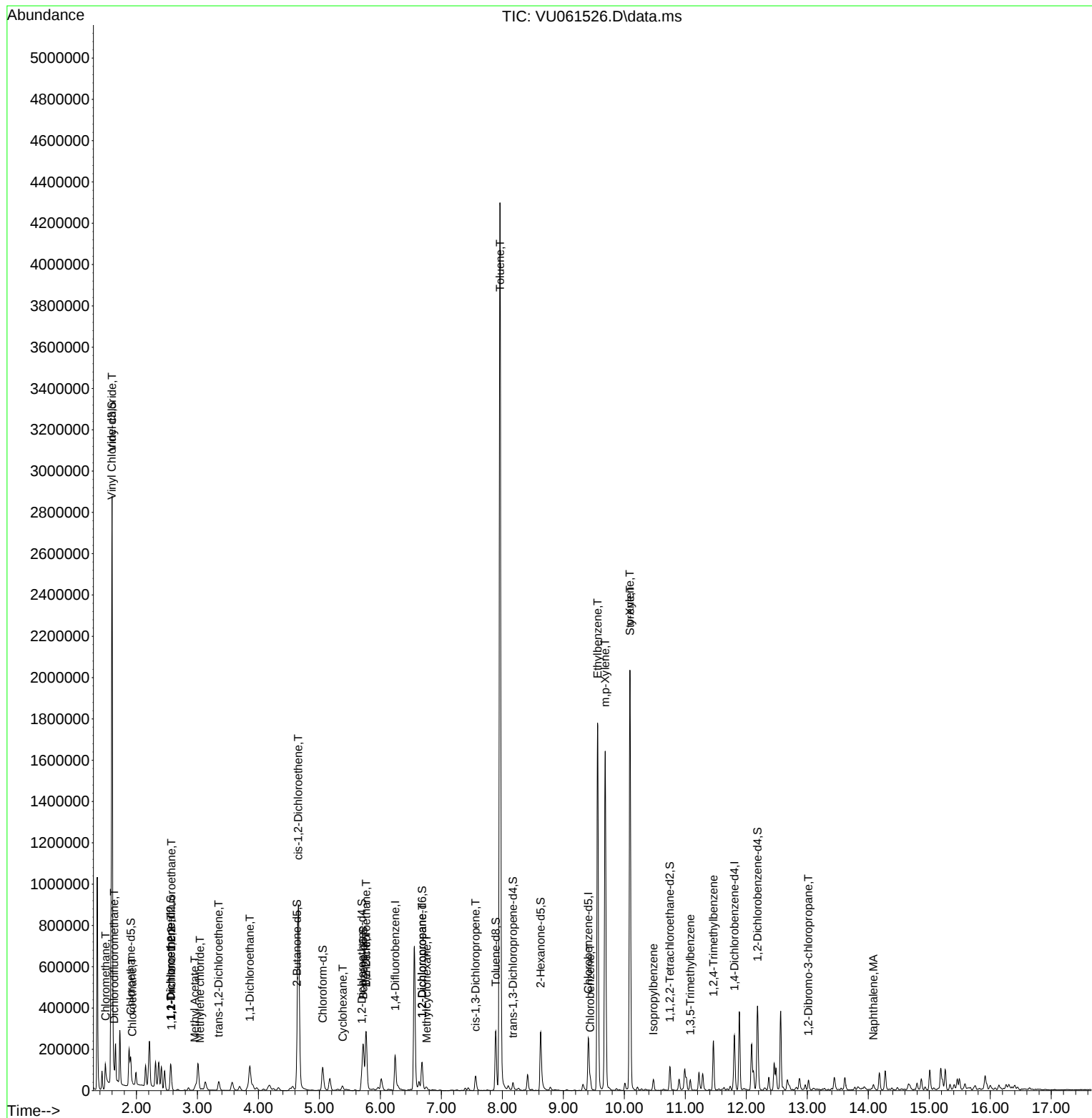
52) Ethylbenzene	9.560	91	1271237	23.938	ug/L	99
53) m,p-Xylene	9.685	106	482990	23.873	ug/L	97
54) o-Xylene	10.090	106	543550	27.222	ug/L	97
55) Styrene	10.094	104	35851	1.120	ug/L #	1
60) Isopropylbenzene	10.476	105	33285	0.623	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	28764	0.661	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	133094	3.096	ug/L	100
68) 1,2-Dibromo-3-chloropr...	13.016	75	226	0.155	ug/L #	2
71) Naphthalene	14.084	128	23852	1.215	ug/L	97

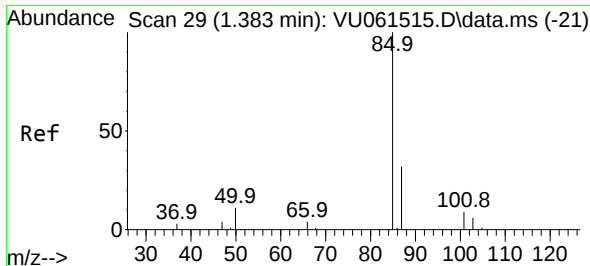
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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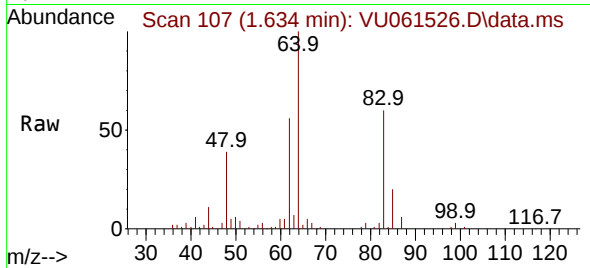
Quant Time: Nov 08 00:30:19 2024
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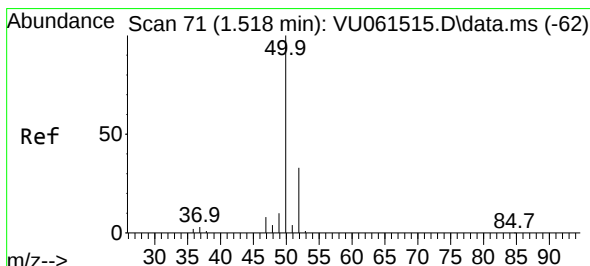
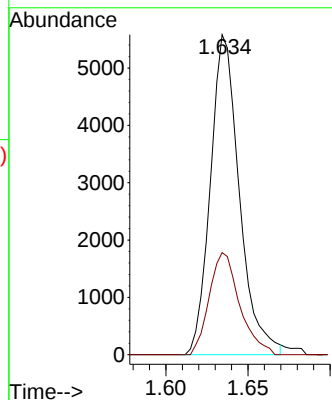
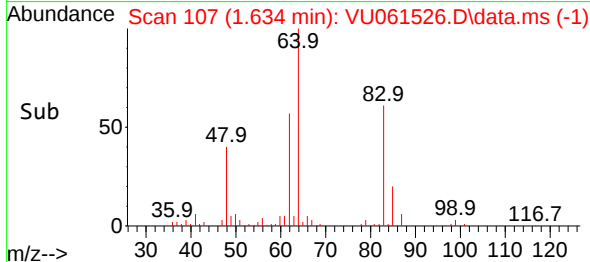


#2
 Dichlorodifluoromethane
 Concen: 0.696 ug/L
 RT: 1.634 min Scan# 10
 Delta R.T. 0.251 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31

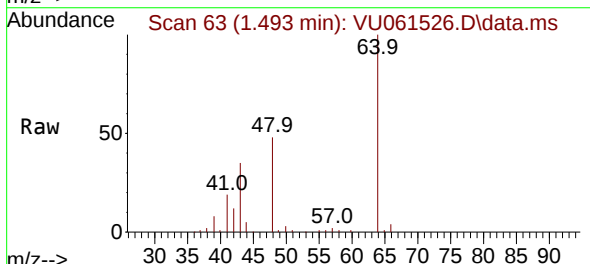
Instrument :
 MSVOA_U
 ClientSampleId :



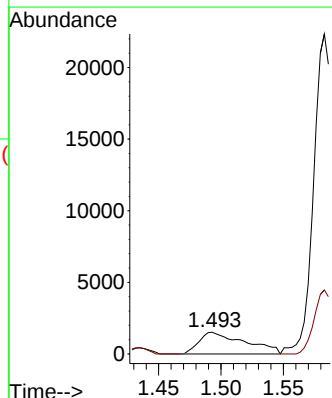
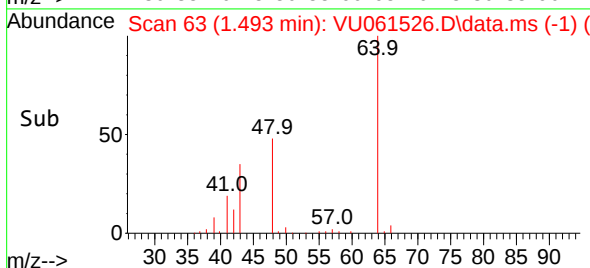
Tgt Ion: 85 Resp: 6845
 Ion Ratio Lower Upper
 85 100
 87 33.4 25.7 38.5

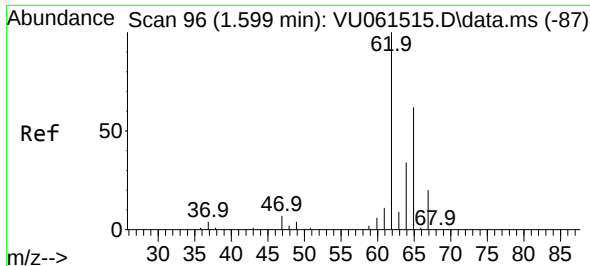


#3
 Chloromethane
 Concen: 0.375 ug/L
 RT: 1.493 min Scan# 63
 Delta R.T. -0.026 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31



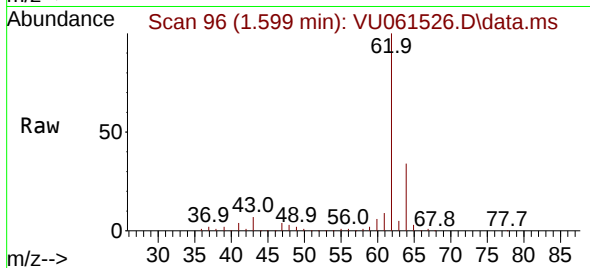
Tgt Ion: 50 Resp: 3886
 Ion Ratio Lower Upper
 50 100
 52 0.0 23.4 43.4#



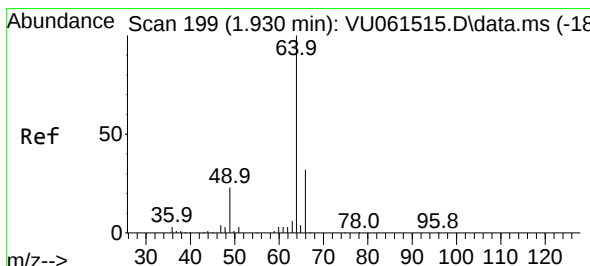
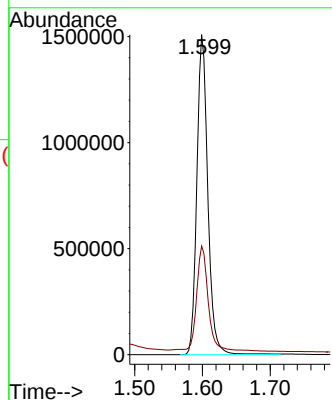
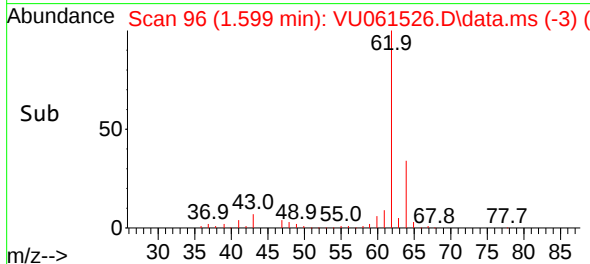


#5
 Vinyl chloride
 Concen: 148.808 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31

Instrument :
 MSVOA_U
 ClientSampleId :

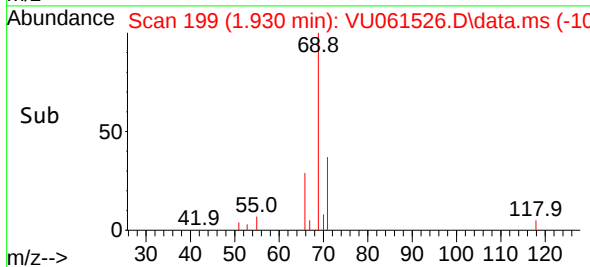
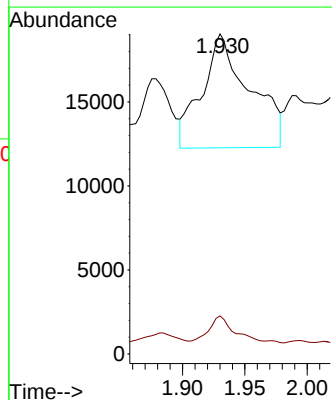
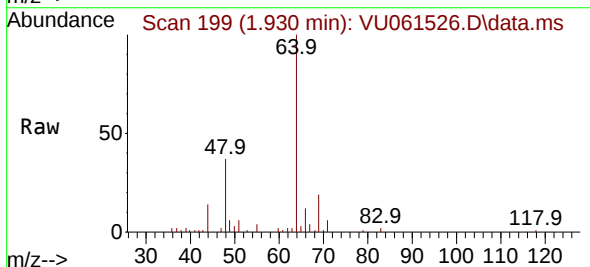


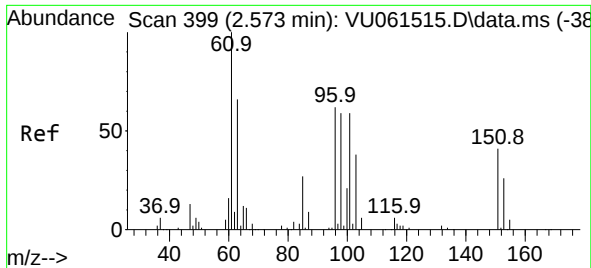
Tgt Ion: 62 Resp: 1696495
 Ion Ratio Lower Upper
 62 100
 64 34.0 22.6 42.0



#8
 Chloroethane
 Concen: 2.152 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. 0.000 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31

Tgt Ion: 64 Resp: 18063
 Ion Ratio Lower Upper
 64 100
 66 11.9 23.1 42.9#

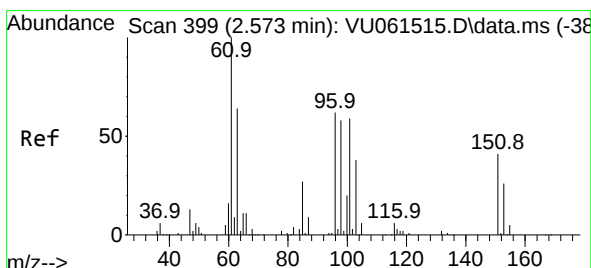
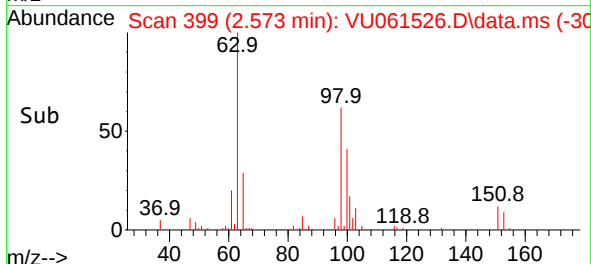
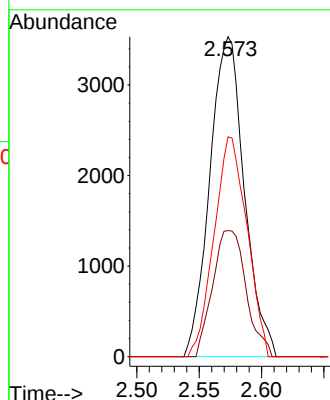
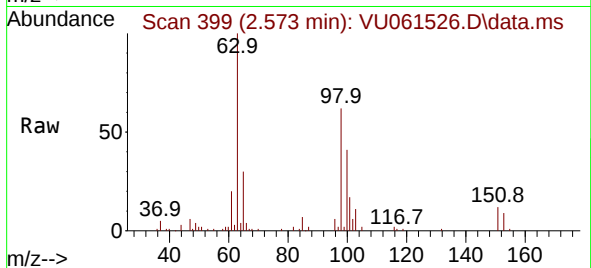




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.741 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31

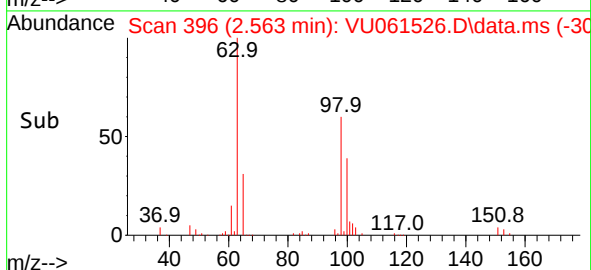
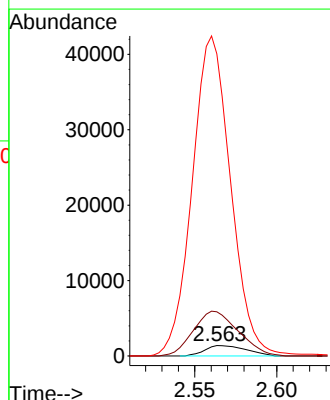
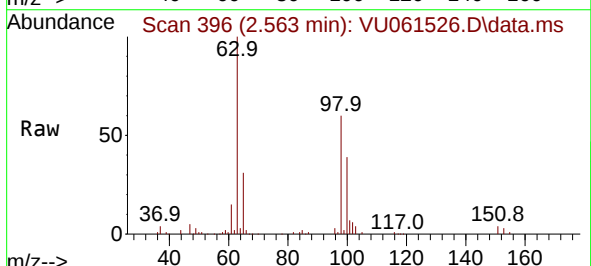
Instrument :
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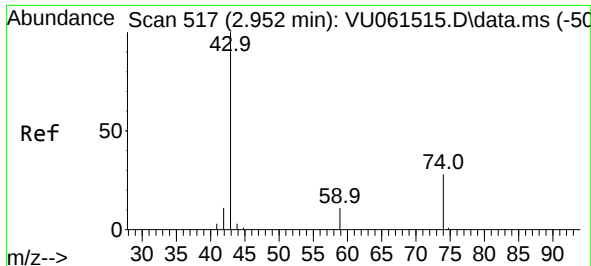
Tgt Ion:101 Resp: 6816
 Ion Ratio Lower Upper
 101 100
 85 38.2 35.6 53.4
 151 65.4 55.9 83.9



#12
 1,1-Dichloroethene
 Concen: 0.279 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.009 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31

Tgt Ion: 96 Resp: 2430
 Ion Ratio Lower Upper
 96 100
 61 425.5 119.1 221.1#
 63 2909.5 89.4 166.0#

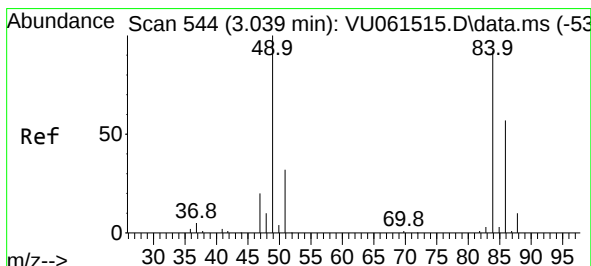
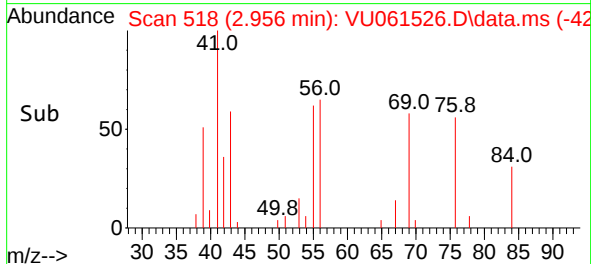
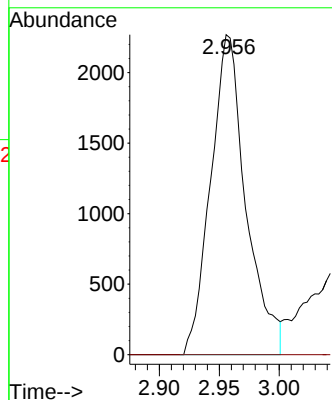
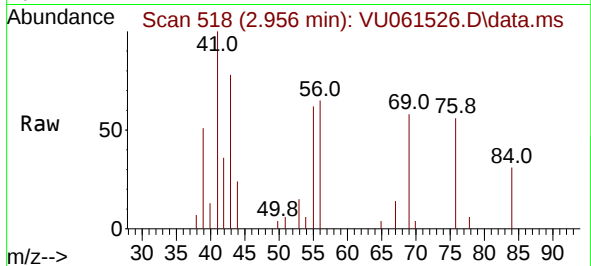




#15
Methyl Acetate
Concen: 1.456 ug/L
RT: 2.956 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

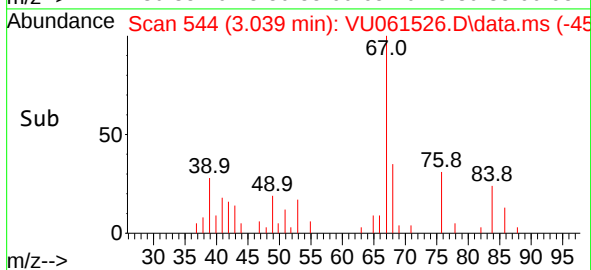
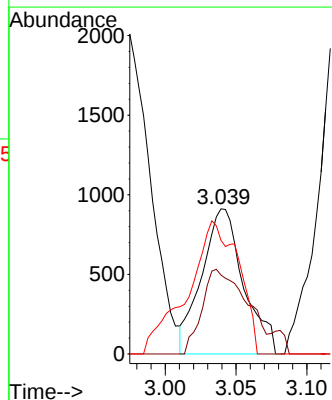
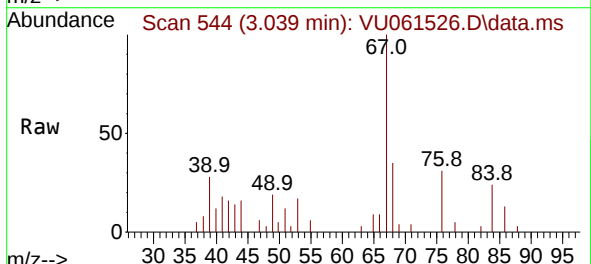
Instrument :
MSVOA_U
ClientSampleId :

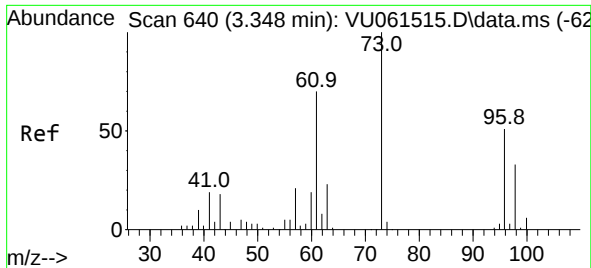
Tgt Ion: 43 Resp: 4644
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#16
Methylene chloride
Concen: 0.183 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

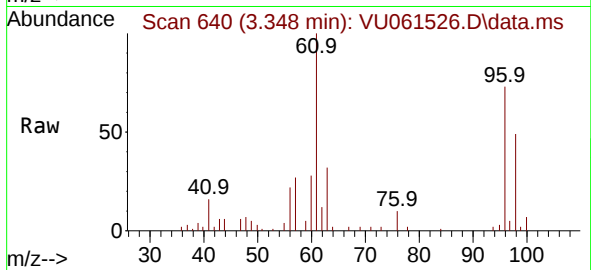
Tgt Ion: 84 Resp: 1881
Ion Ratio Lower Upper
84 100
86 54.4 43.5 80.7
49 99.3 75.7 140.7



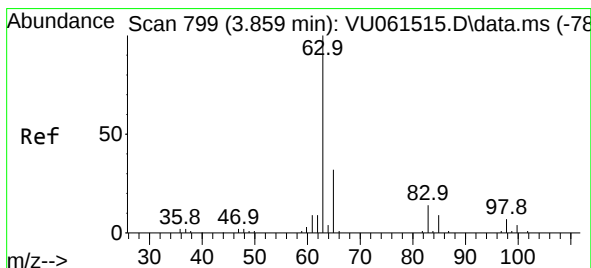
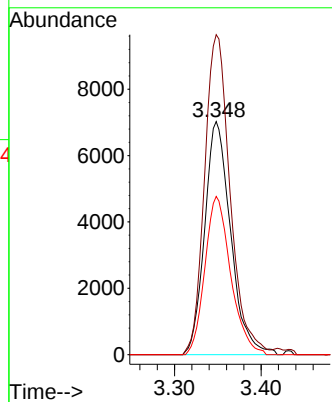
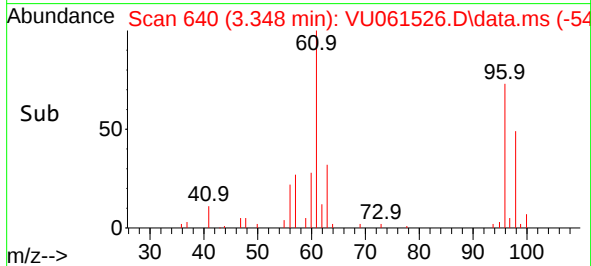


#18
trans-1,2-Dichloroethene
Concen: 1.523 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

Instrument :
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ClientSampleId :

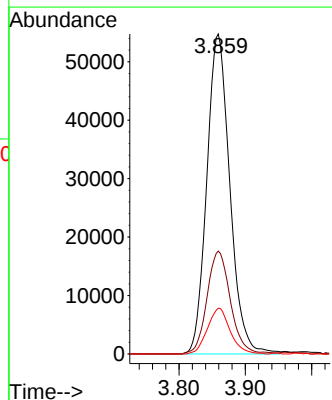
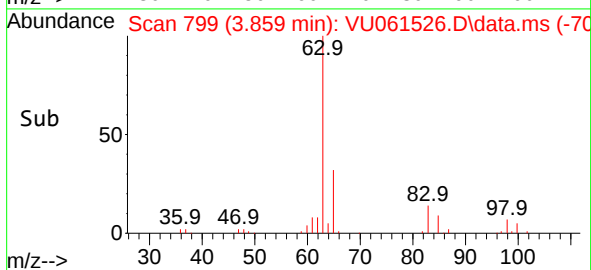
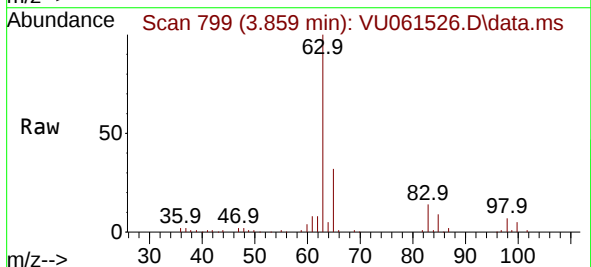


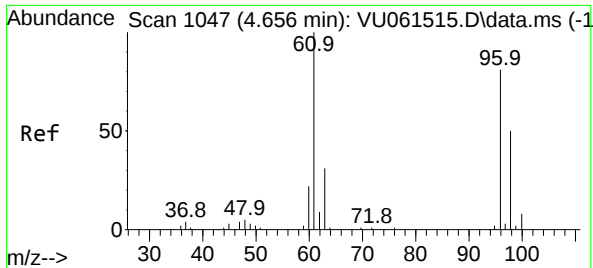
Tgt Ion: 96 Resp: 14689
Ion Ratio Lower Upper
96 100
61 137.2 97.9 181.7
98 67.9 46.2 85.8



#19
1,1-Dichloroethane
Concen: 7.271 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

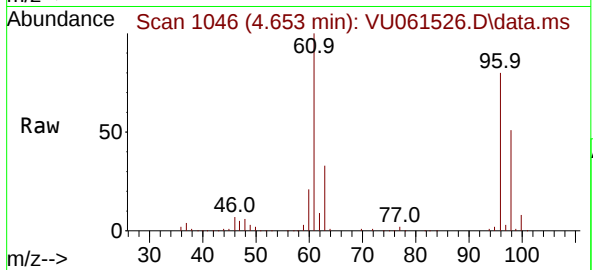
Tgt Ion: 63 Resp: 132237
Ion Ratio Lower Upper
63 100
65 32.2 23.0 42.6
83 14.3 9.7 17.9





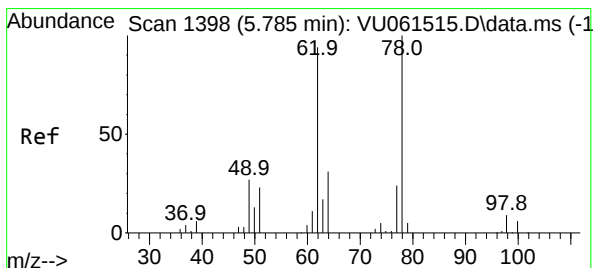
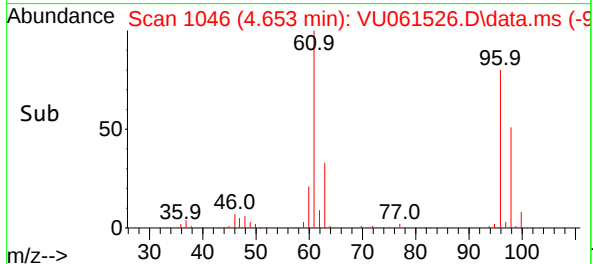
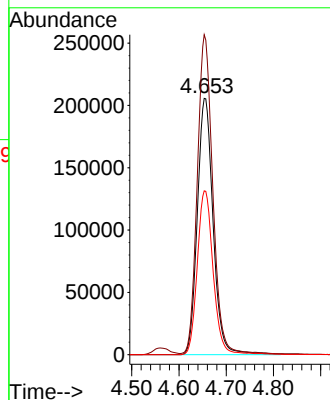
#22
 cis-1,2-Dichloroethene
 Concen: 43.372 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 477697

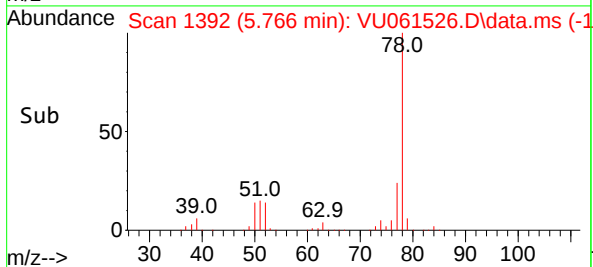
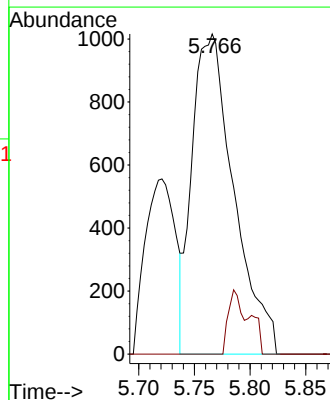
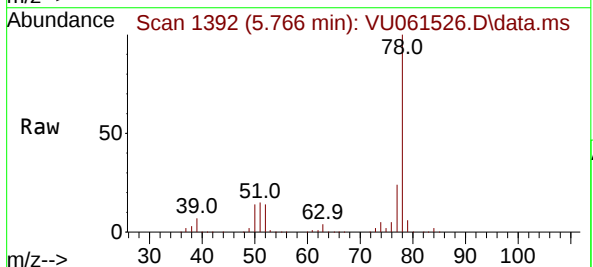
Ion	Ratio	Lower	Upper
96	100		
61	124.8	88.1	163.5
98	63.9	45.0	83.6

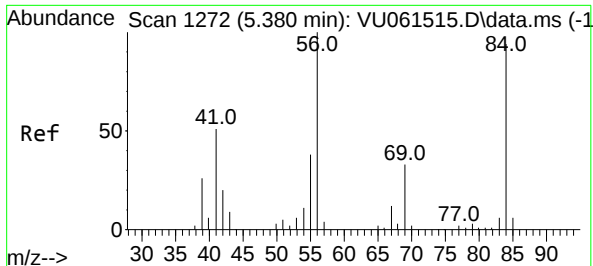


#27
 1,2-Dichloroethane
 Concen: 0.219 ug/L
 RT: 5.766 min Scan# 1392
 Delta R.T. -0.019 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31

Tgt Ion: 62 Resp: 2652

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.4	11.0#





#30

Cyclohexane

Concen: 0.633 ug/L

RT: 5.380 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU061526.D

Acq: 07 Nov 2024 17:31

Instrument :

MSVOA_U

ClientSampleId :

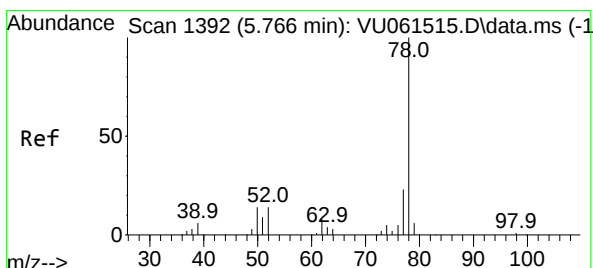
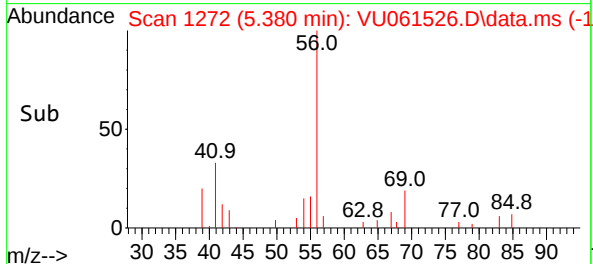
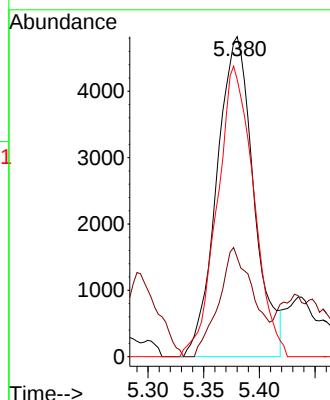
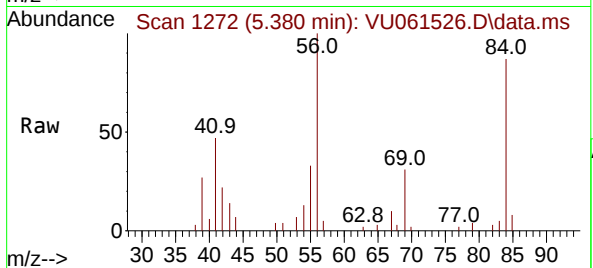
Tgt Ion: 56 Resp: 11178

Ion Ratio Lower Upper

56 100

69 32.1 25.8 38.6

84 89.3 73.9 110.9



#33

Benzene

Concen: 6.549 ug/L

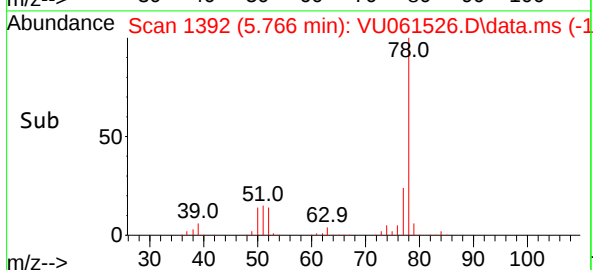
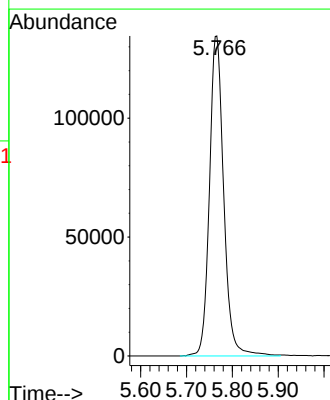
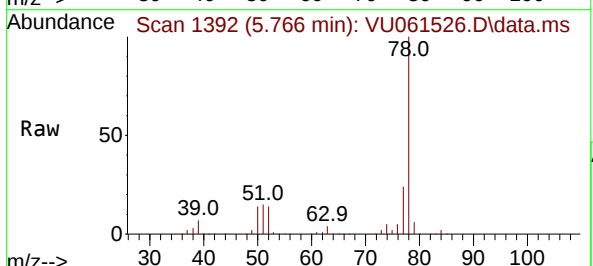
RT: 5.766 min Scan# 1392

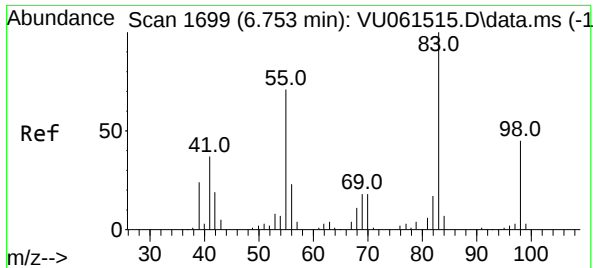
Delta R.T. 0.000 min

Lab File: VU061526.D

Acq: 07 Nov 2024 17:31

Tgt Ion: 78 Resp: 291152

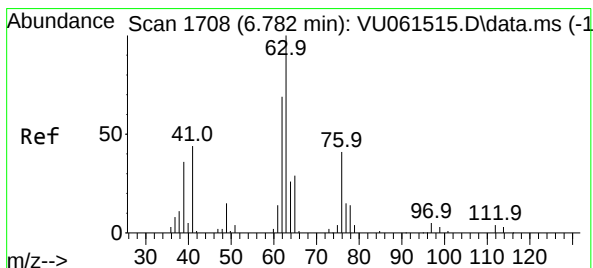
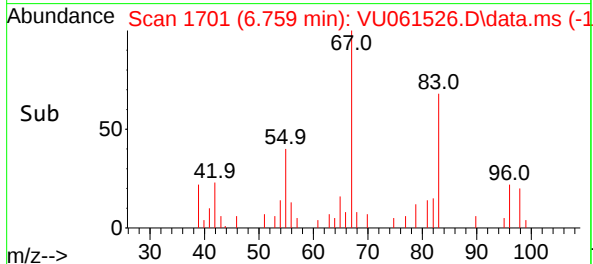
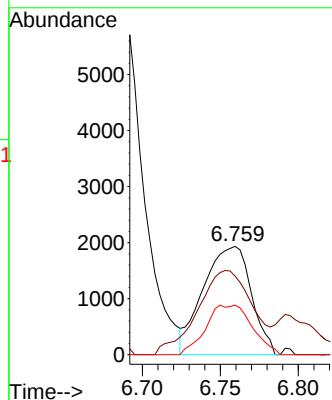
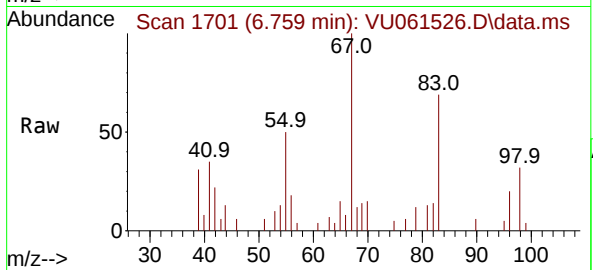




#35
Methylcyclohexane
Concen: 0.215 ug/L
RT: 6.759 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

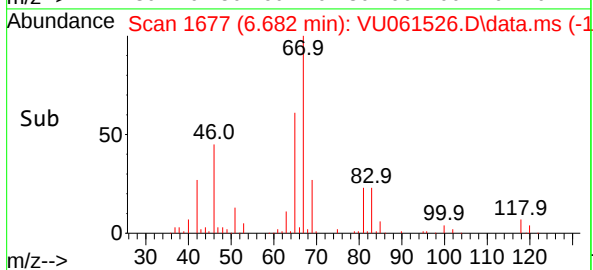
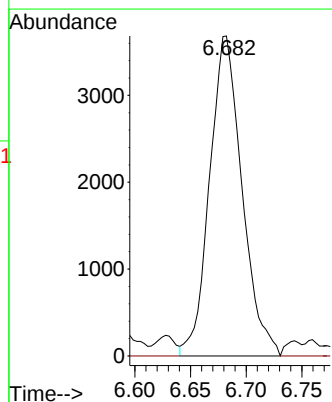
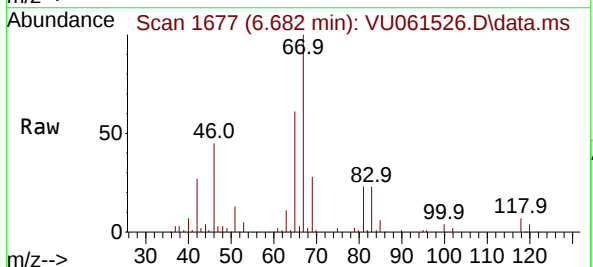
Instrument :
MSVOA_U
ClientSampleId :

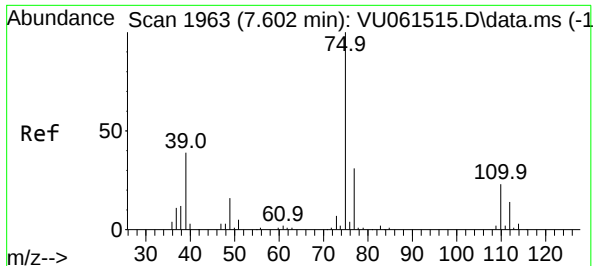
Tgt Ion: 83 Resp: 4147
Ion Ratio Lower Upper
83 100
55 88.3 55.9 83.9#
98 44.0 35.9 53.9



#37
1,2-Dichloropropane
Concen: 0.662 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.099 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

Tgt Ion: 63 Resp: 7462
Ion Ratio Lower Upper
63 100
112 2.2 3.0 4.4#

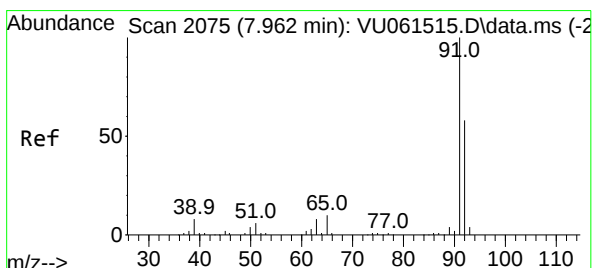
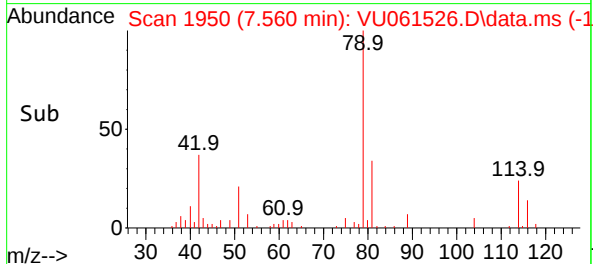
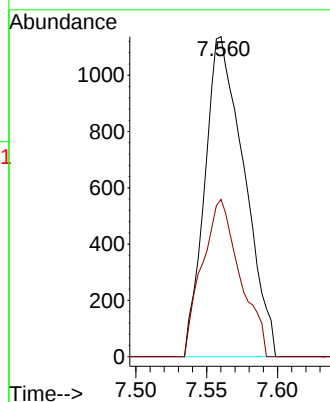
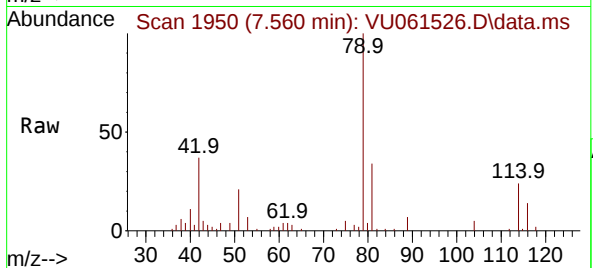




#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.560 min Scan# 1963
 Delta R.T. -0.042 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31

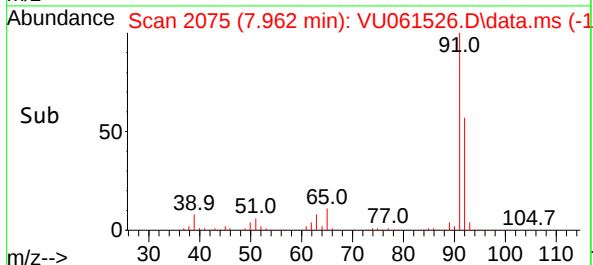
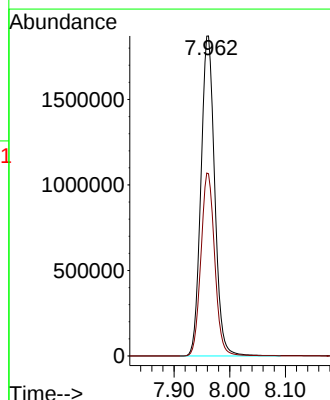
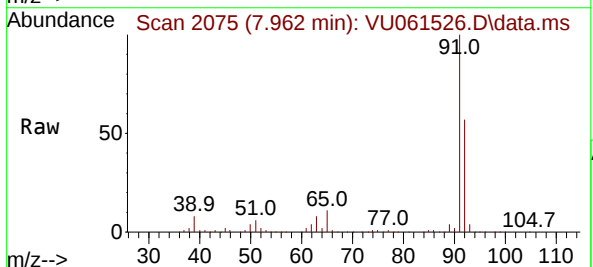
Instrument :
 MSVOA_U
 ClientSampleId :

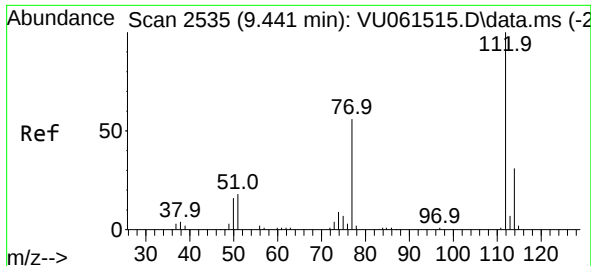
Tgt Ion: 75 Resp: 2197
 Ion Ratio Lower Upper
 75 100
 77 49.2 22.5 41.7#



#42
 Toluene
 Concen: 66.735 ug/L
 RT: 7.962 min Scan# 2075
 Delta R.T. 0.000 min
 Lab File: VU061526.D
 Acq: 07 Nov 2024 17:31

Tgt Ion: 91 Resp: 3221958
 Ion Ratio Lower Upper
 91 100
 92 56.9 40.3 74.8

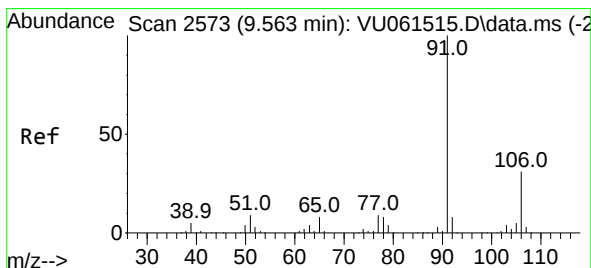
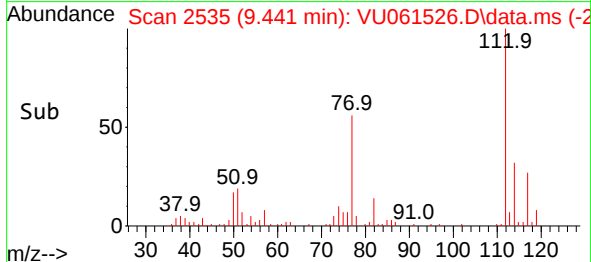
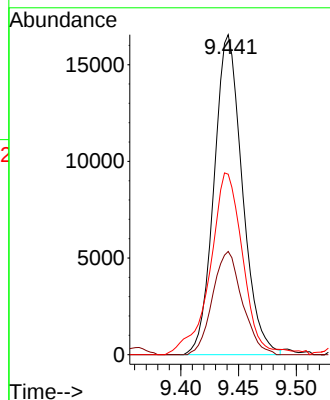
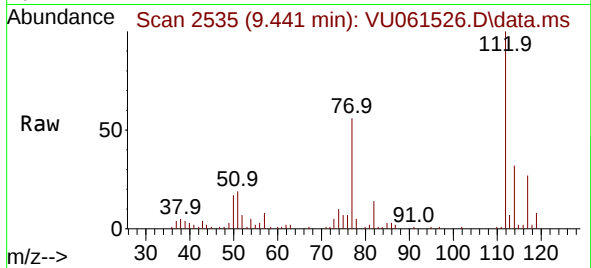




#51
Chlorobenzene
Concen: 0.924 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

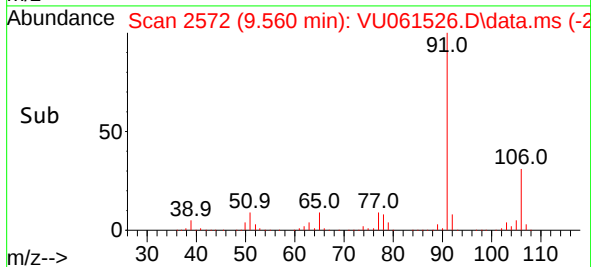
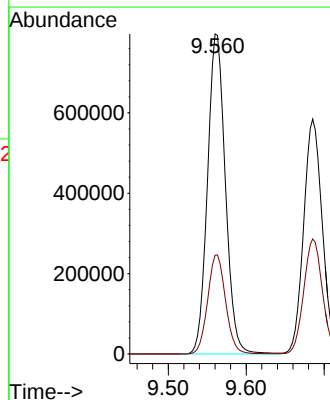
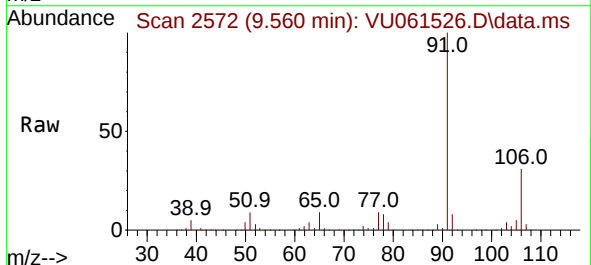
Instrument :
MSVOA_U
ClientSampleId :

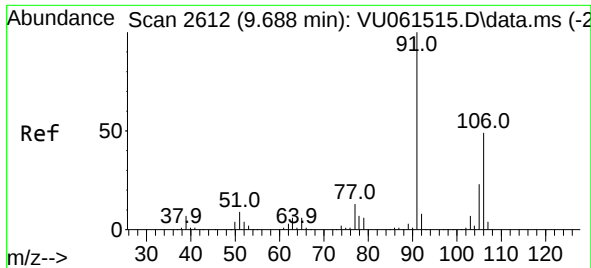
Tgt Ion:112 Resp: 28204
Ion Ratio Lower Upper
112 100
114 30.2 22.9 42.5
77 52.8 47.1 70.7



#52
Ethylbenzene
Concen: 23.938 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.003 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

Tgt Ion: 91 Resp: 1271237
Ion Ratio Lower Upper
91 100
106 30.9 22.0 41.0

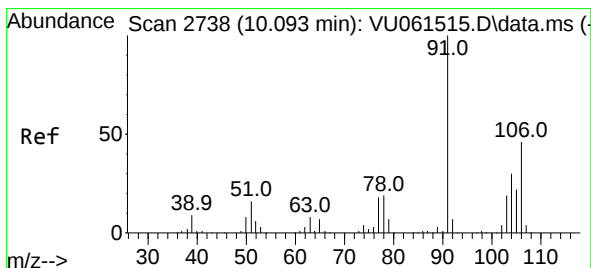
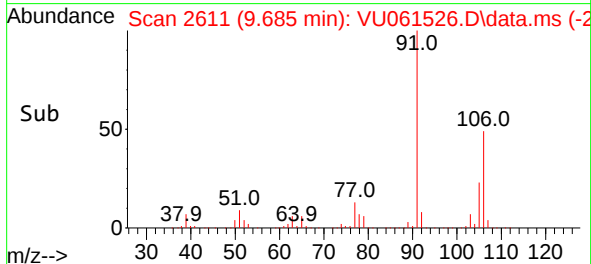
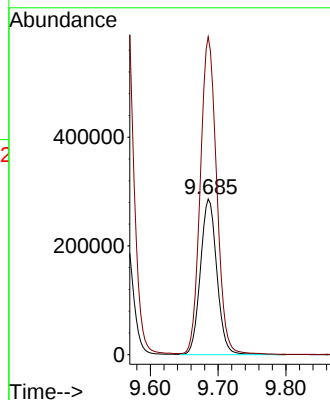
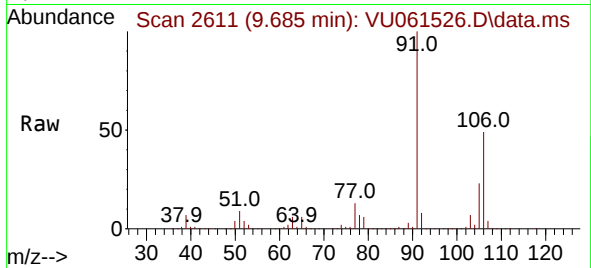




#53
m,p-Xylene
Concen: 23.873 ug/L
RT: 9.685 min Scan# 20
Delta R.T. -0.003 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

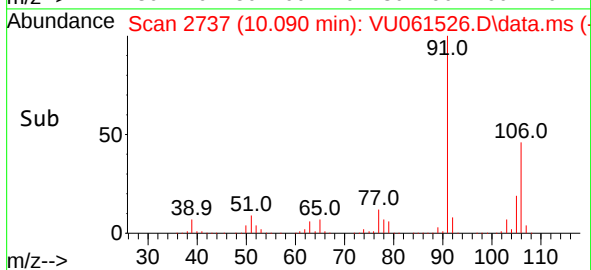
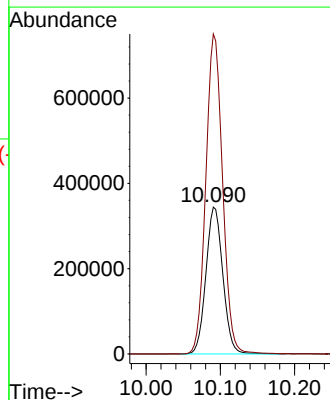
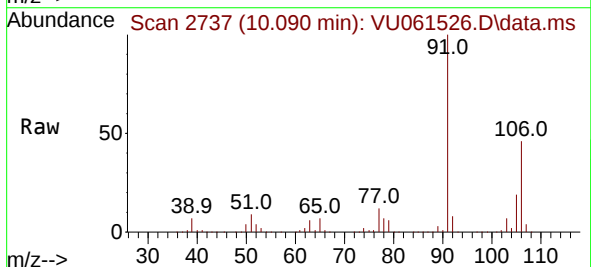
Instrument :
MSVOA_U
ClientSampleId :

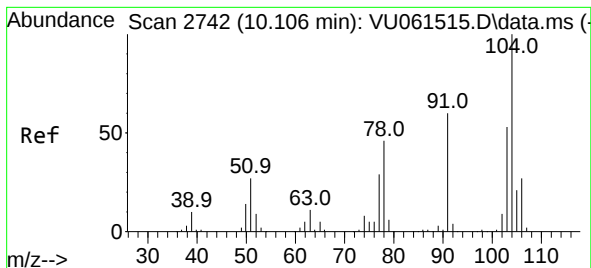
Tgt Ion:106 Resp: 482990
Ion Ratio Lower Upper
106 100
91 204.2 145.7 270.7



#54
o-Xylene
Concen: 27.222 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.003 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

Tgt Ion:106 Resp: 543550
Ion Ratio Lower Upper
106 100
91 217.8 148.8 276.4





#55

Styrene

Concen: 1.120 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.013 min

Lab File: VU061526.D

Acq: 07 Nov 2024 17:31

Instrument :

MSVOA_U

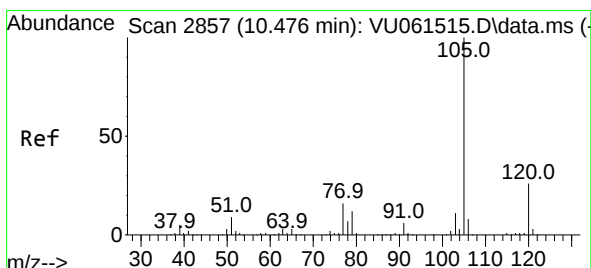
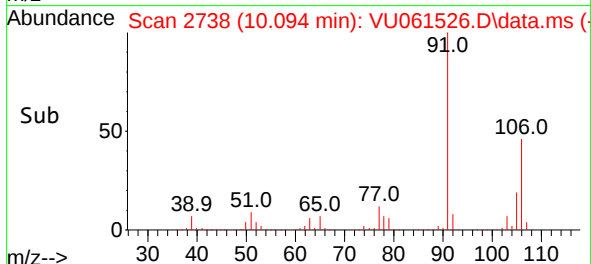
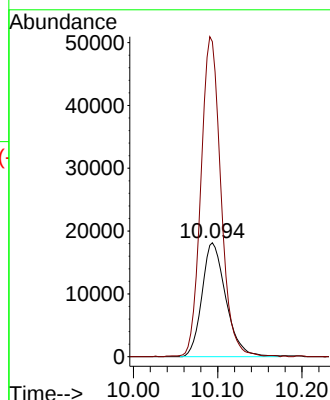
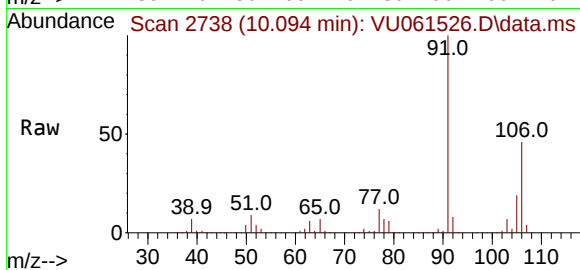
ClientSampleId :

Tgt Ion:104 Resp: 35851

Ion Ratio Lower Upper

104 100

78 276.7 32.3 59.9#



#60

Isopropylbenzene

Concen: 0.623 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU061526.D

Acq: 07 Nov 2024 17:31

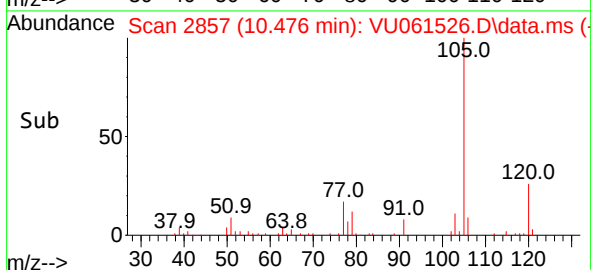
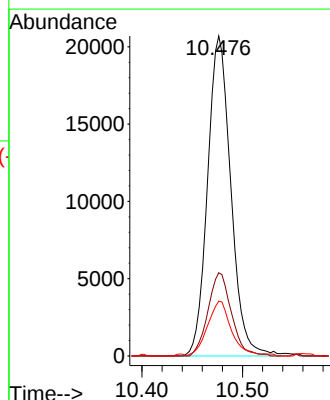
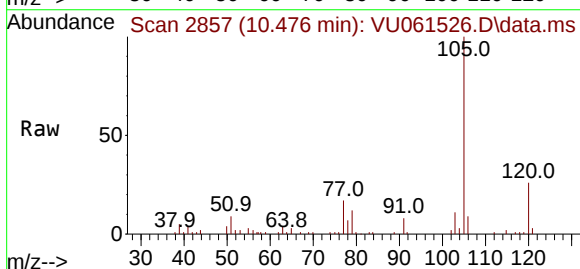
Tgt Ion:105 Resp: 33285

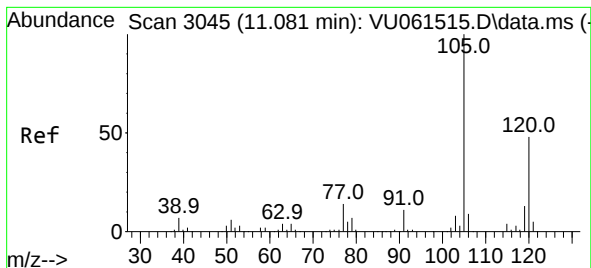
Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

77 17.5 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 0.661 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061526.D

Acq: 07 Nov 2024 17:31

Instrument :

MSVOA_U

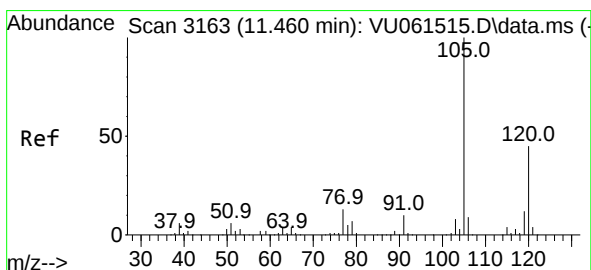
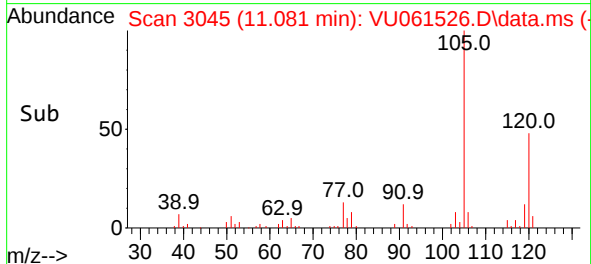
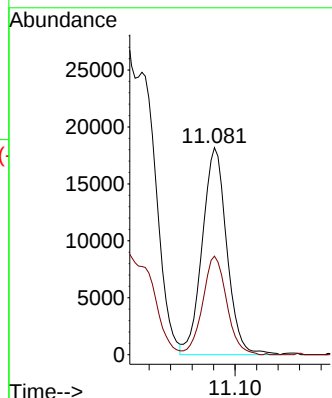
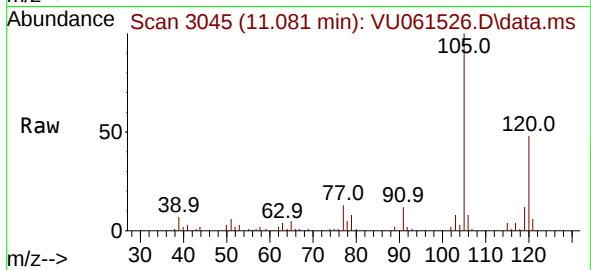
ClientSampleId :

Tgt Ion:105 Resp: 28764

Ion Ratio Lower Upper

105 100

120 46.5 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 3.096 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061526.D

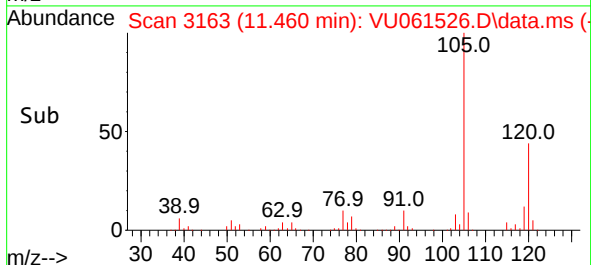
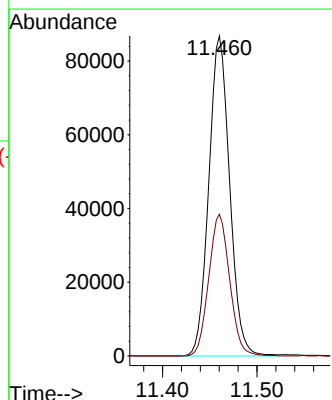
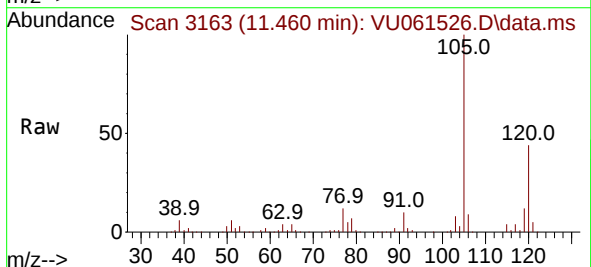
Acq: 07 Nov 2024 17:31

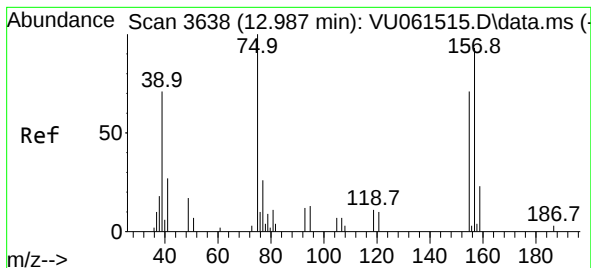
Tgt Ion:105 Resp: 133094

Ion Ratio Lower Upper

105 100

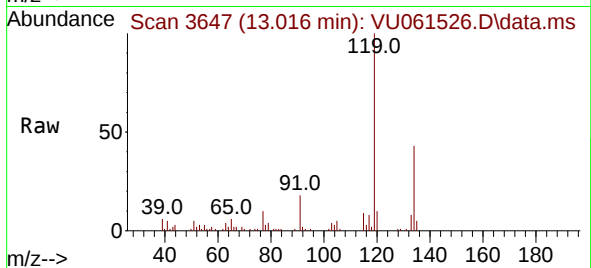
120 44.4 35.4 53.0



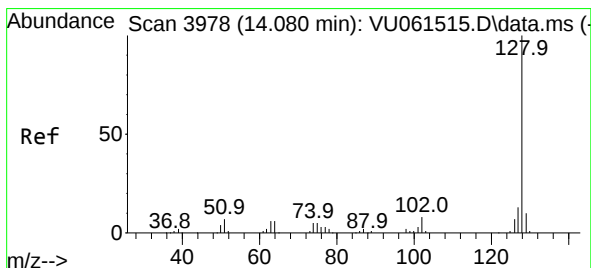
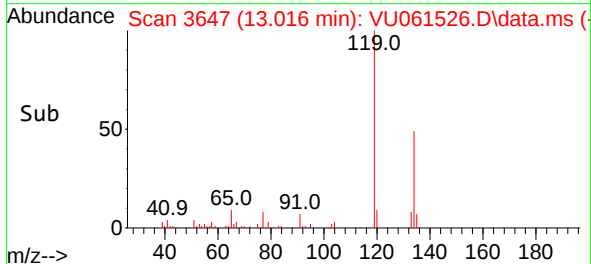
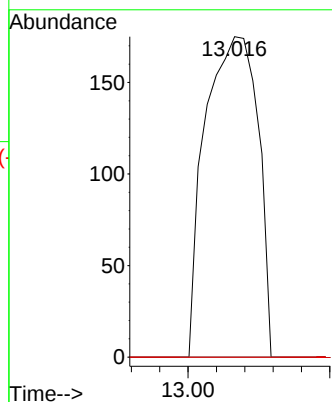


#68
1,2-Dibromo-3-chloropropane
Concen: 0.155 ug/L
RT: 13.016 min Scan# 3647
Delta R.T. 0.029 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 226
Ion Ratio Lower Upper
75 100
155 0.0 69.3 103.9#
157 0.0 81.4 122.2#



#71
Naphthalene
Concen: 1.215 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU061526.D
Acq: 07 Nov 2024 17:31

Tgt Ion: 128 Resp: 23852
Ion Ratio Lower Upper
128 100
129 13.1 9.0 13.4
127 12.6 10.0 15.0

