

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111123\
 Data File : VU056235.D
 Acq On : 11 Nov 2023 23:20
 Operator : MD/SY
 Sample : 05371-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 12 00:46:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 11 22:15:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	381086	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	377913	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	181626	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	85626	3.620	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.400%
7) Chloroethane-d5	1.911	69	78330	4.880	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.563	65	40888	3.923	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.624	46	276754	71.318	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	142.640%#
24) Chloroform-d	5.055	84	222578	4.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.698	65	105010	5.297	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	5.721	84	431903	4.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.685	67	136275	5.101	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.894	98	356523	4.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.177	79	48596	4.758	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.627	63	235527	70.361	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	140.720%#
56) 1,1,2,2-Tetrachloroeth...	10.749	84	110564	5.798	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	146970	5.247	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	8890	0.294	ug/L	86
5) Vinyl chloride	1.602	62	29507	0.942	ug/L	98
8) Chloroethane	1.930	64	4281	0.252	ug/L	83
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4832	0.183	ug/L	89
13) Acetone	2.637	43	270894	94.656	ug/L	99
15) Methyl Acetate	3.039	43	12517	1.550	ug/L #	47
17) Methyl tert-butyl Ether	3.354	73	6920	0.125	ug/L #	66
21) 2-Butanone	4.711	43	64062	13.573	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	21346	0.762	ug/L	90
33) Benzene	5.769	78	68647	0.634	ug/L	100
34) Trichloroethene	6.537	95	176145	5.959	ug/L	98
35) Methylcyclohexane	6.685	83	32376	0.737	ug/L #	20
37) 1,2-Dichloropropane	6.685	63	14106	0.501	ug/L #	87
47) Tetrachloroethene	8.550	164	274198	12.360	ug/L	97
48) 2-Hexanone	8.692	43	19578	2.185	ug/L #	87
49) Dibromochloromethane	8.547	129	274931	12.455	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	19789	1.262	ug/L #	64
62) 1,3,5-Trimethylbenzene	11.891	105	118848	1.244	ug/L	88
63) 1,2,4-Trimethylbenzene	11.891	105	118848	1.269	ug/L	93

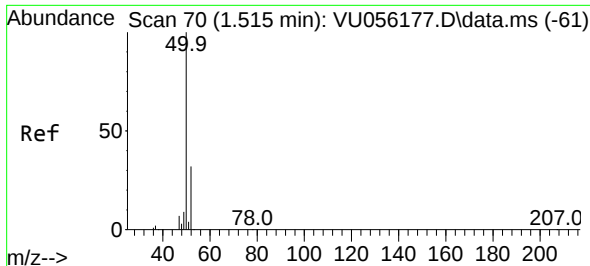
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111123\
Data File : VU056235.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 11 22:15:12 2023
Response via : Initial Calibration

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

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

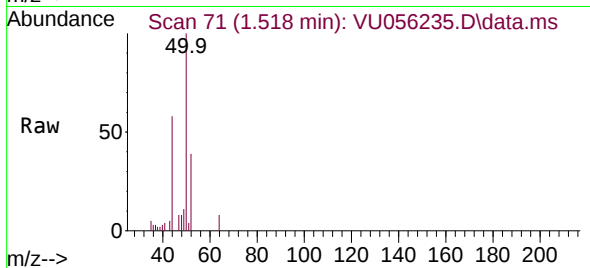


#3
Chloromethane
Concen: 0.294 ug/L
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

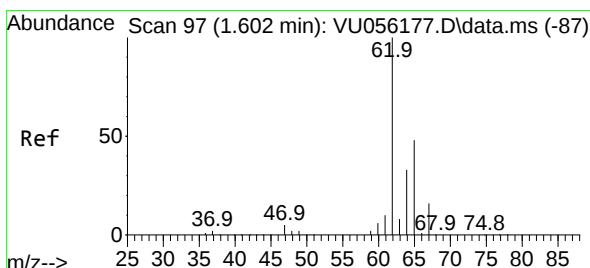
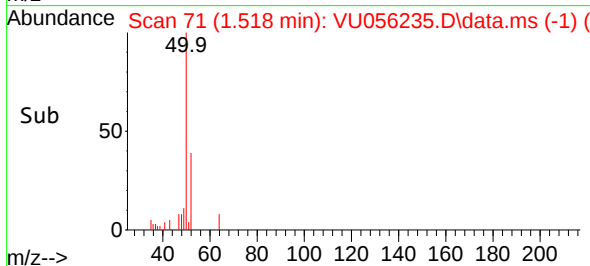
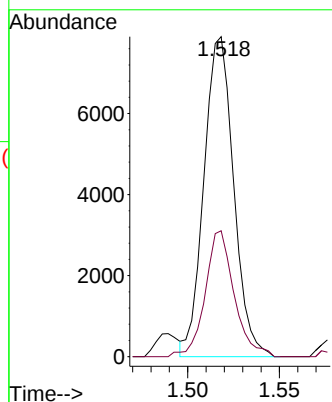
Instrument :

MSVOA_U

ClientSampleId :

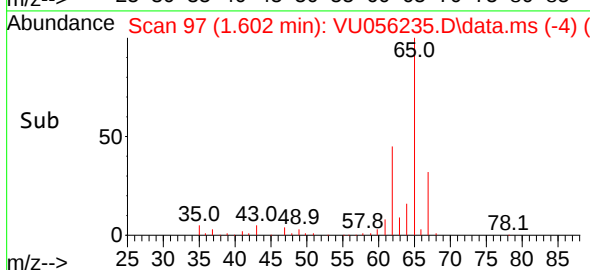
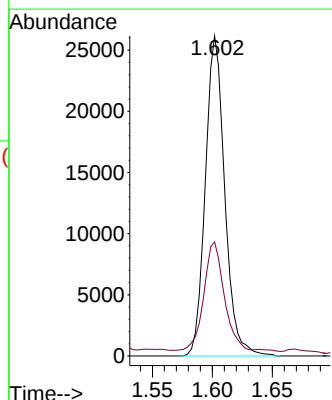
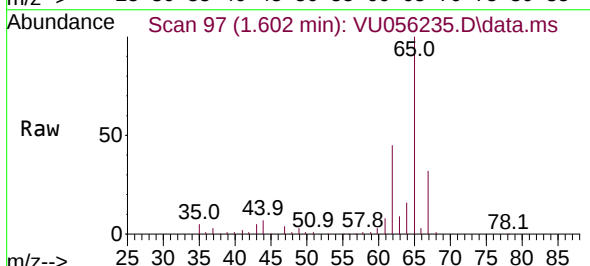


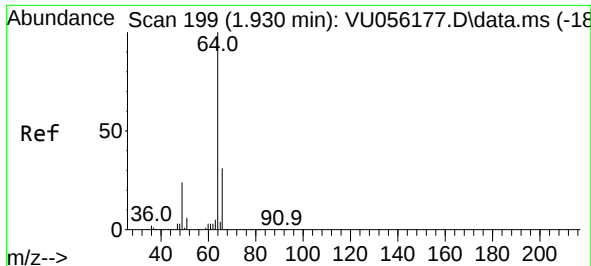
Tgt Ion: 50 Resp: 8890
Ion Ratio Lower Upper
50 100
52 39.4 22.2 41.2



#5
Vinyl chloride
Concen: 0.942 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

Tgt Ion: 62 Resp: 29507
Ion Ratio Lower Upper
62 100
64 35.7 24.1 44.7

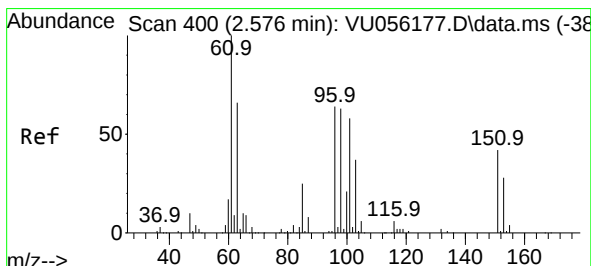
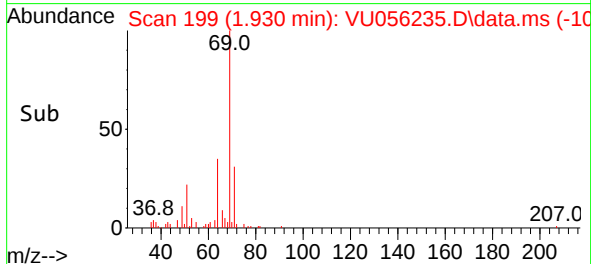
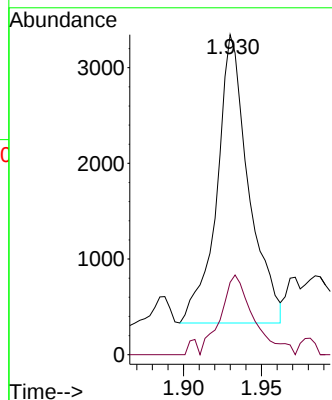
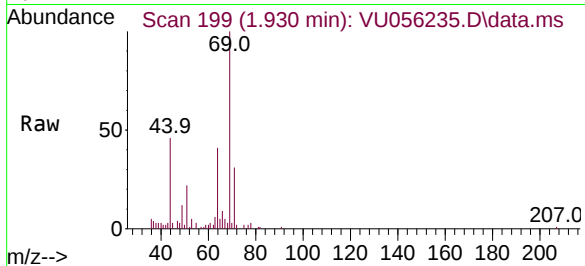




#8
Chloroethane
Concen: 0.252 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

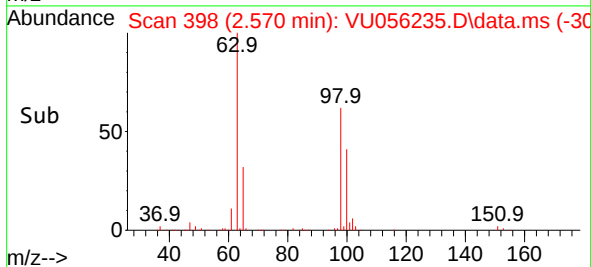
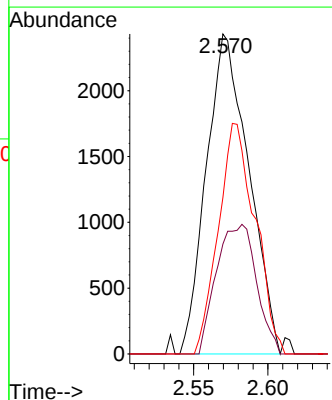
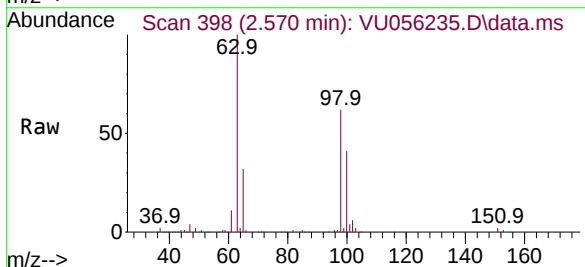
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MSVOA_U
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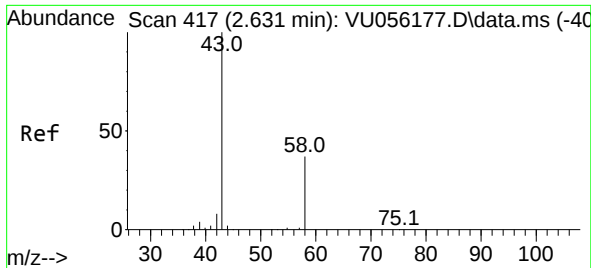
Tgt Ion: 64 Resp: 4281
Ion Ratio Lower Upper
64 100
66 22.6 22.4 41.6



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.183 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.007 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

Tgt Ion:101 Resp: 4832
Ion Ratio Lower Upper
101 100
85 38.1 34.2 51.4
151 62.4 59.3 88.9





#13

Acetone

Concen: 94.656 ug/L

RT: 2.637 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU056235.D

Acq: 11 Nov 2023 23:20

Instrument :

MSVOA_U

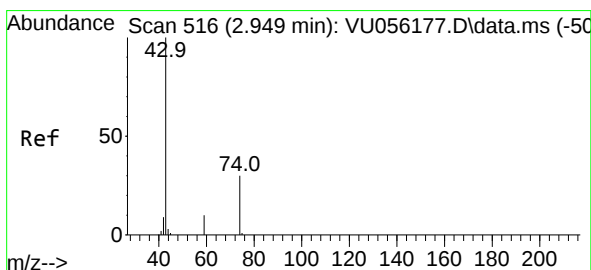
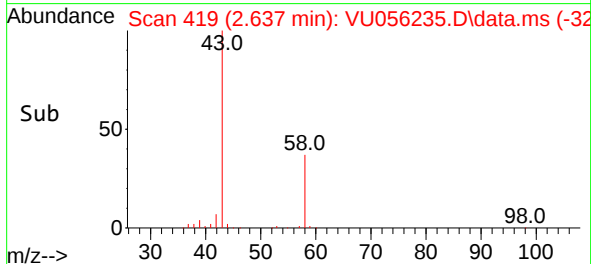
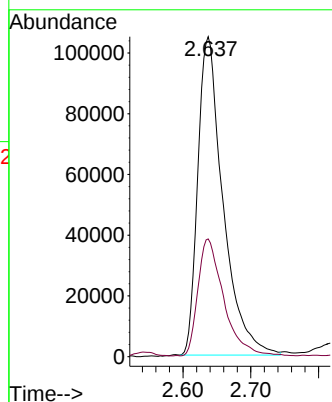
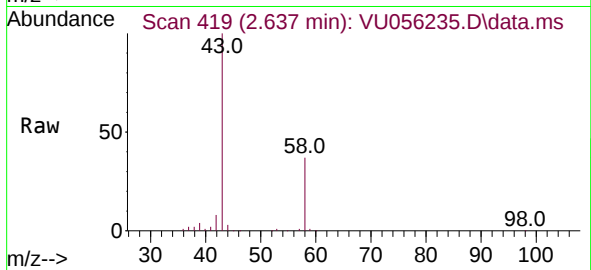
ClientSampleId :

Tgt Ion: 43 Resp: 270894

Ion Ratio Lower Upper

43 100

58 37.7 0.0 74.4



#15

Methyl Acetate

Concen: 1.550 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.090 min

Lab File: VU056235.D

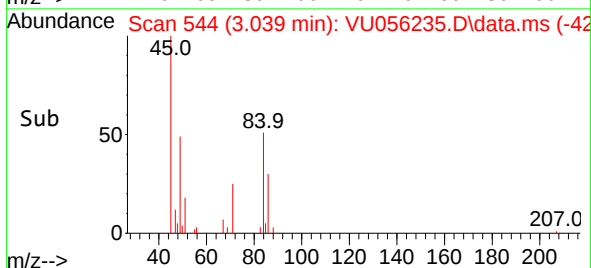
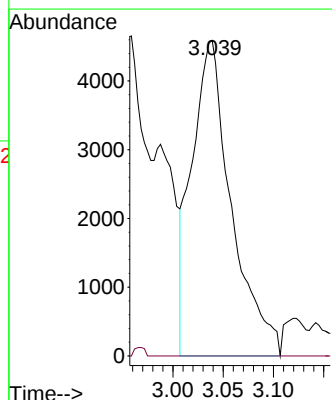
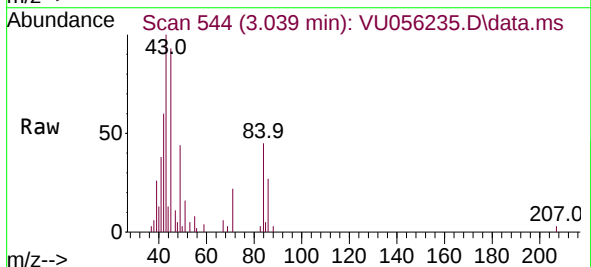
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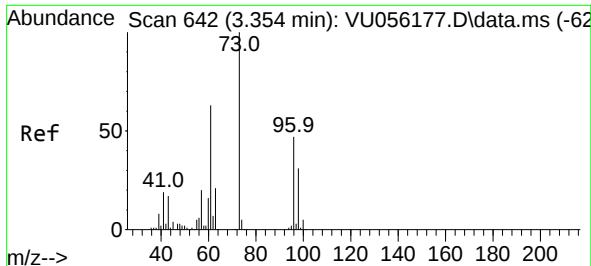
Tgt Ion: 43 Resp: 12517

Ion Ratio Lower Upper

43 100

74 0.7 23.3 34.9#





#17

Methyl tert-butyl Ether

Concen: 0.125 ug/L

RT: 3.354 min Scan# 64

Delta R.T. -0.000 min

Lab File: VU056235.D

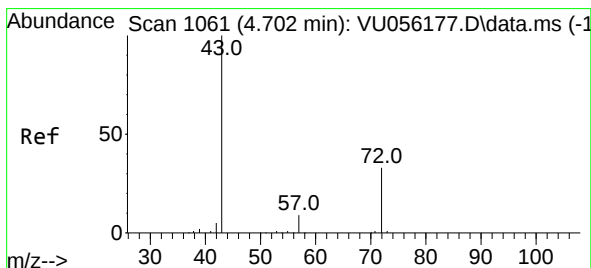
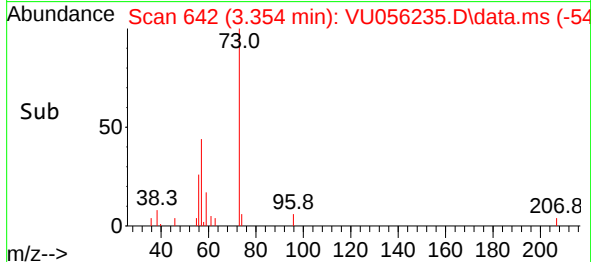
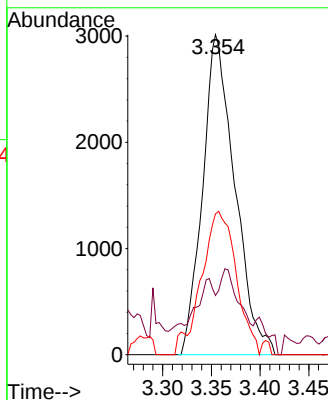
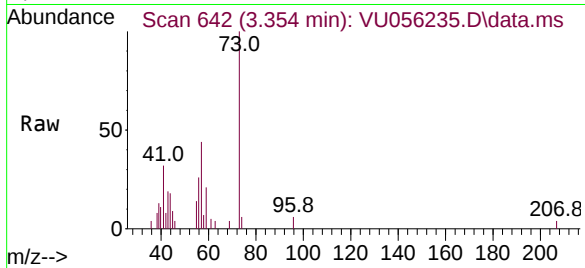
Acq: 11 Nov 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 73	Resp: 6920
Ion Ratio	Lower Upper
73 100	
43 12.2	13.6 20.4#
57 46.4	17.3 25.9#



#21

2-Butanone

Concen: 13.573 ug/L

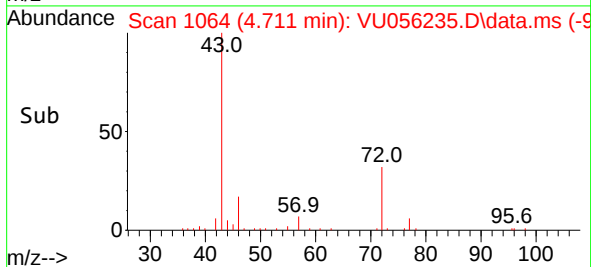
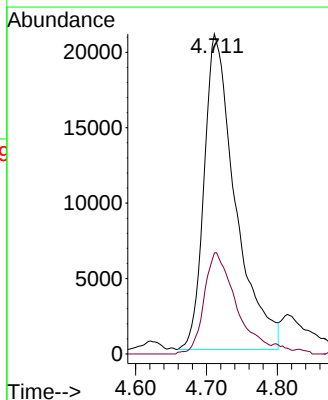
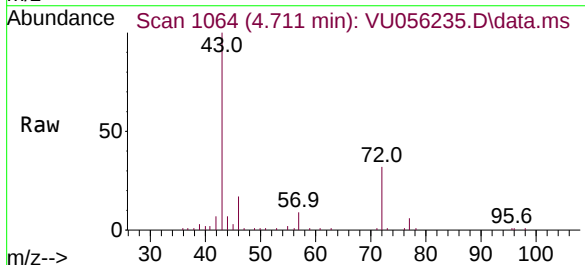
RT: 4.711 min Scan# 1064

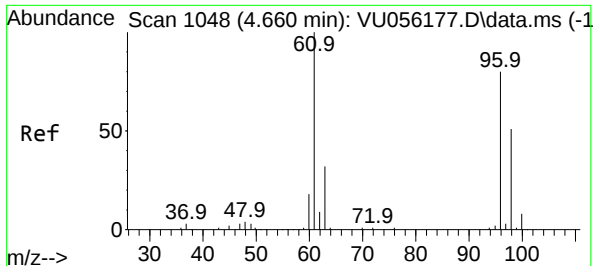
Delta R.T. 0.010 min

Lab File: VU056235.D

Acq: 11 Nov 2023 23:20

Tgt Ion: 43	Resp: 64062
Ion Ratio	Lower Upper
43 100	
72 32.9	15.7 47.0

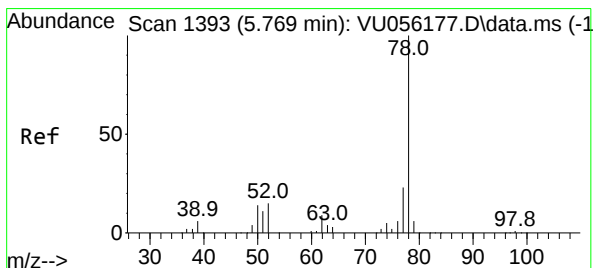
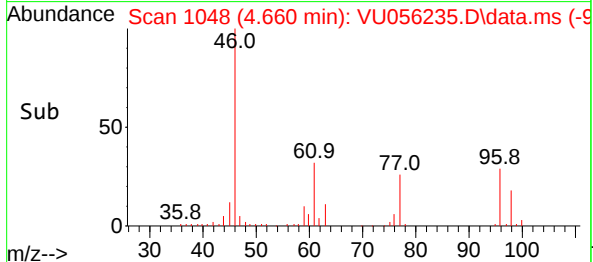
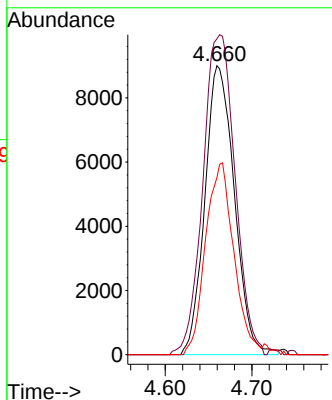
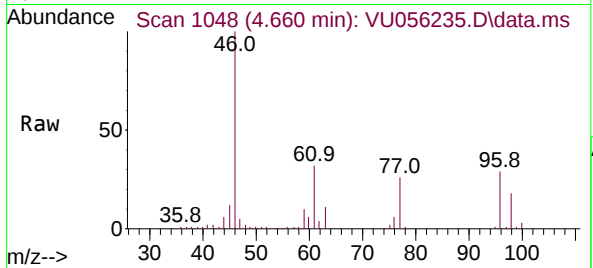




#22
 cis-1,2-Dichloroethene
 Concen: 0.762 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056235.D
 Acq: 11 Nov 2023 23:20

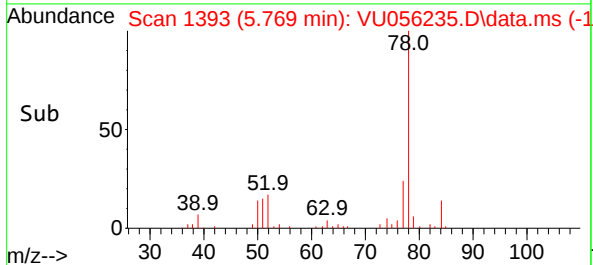
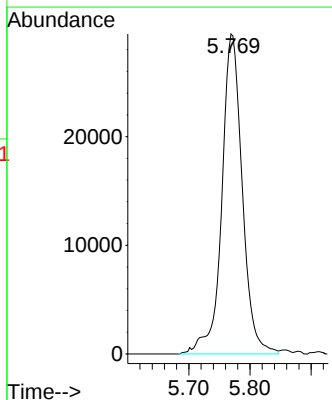
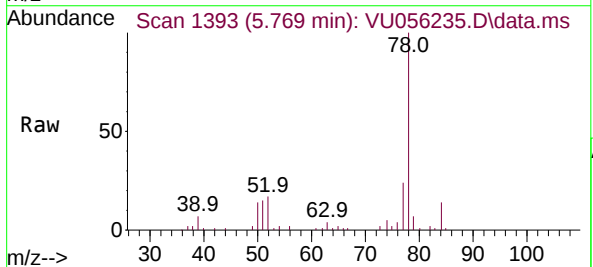
Instrument :
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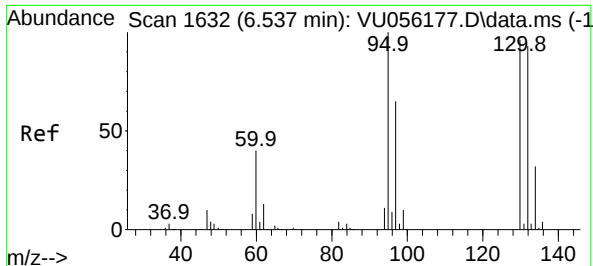
Tgt Ion: 96 Resp: 21346
 Ion Ratio Lower Upper
 96 100
 61 109.3 87.8 163.2
 98 61.3 43.5 80.7



#33
 Benzene
 Concen: 0.634 ug/L
 RT: 5.769 min Scan# 1393
 Delta R.T. -0.000 min
 Lab File: VU056235.D
 Acq: 11 Nov 2023 23:20

Tgt Ion: 78 Resp: 68647

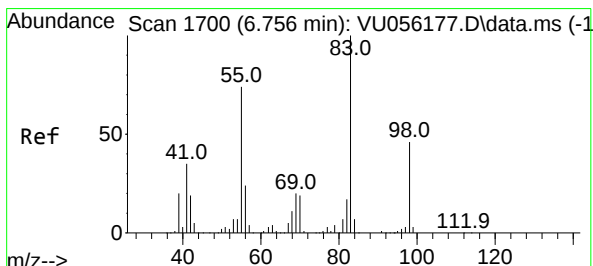
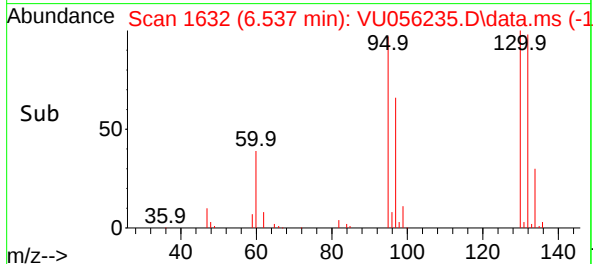
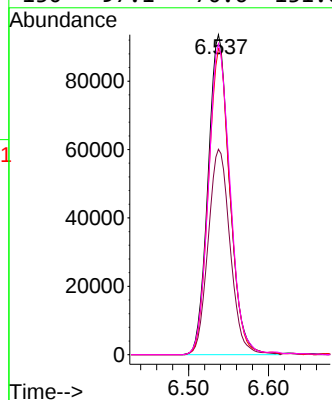
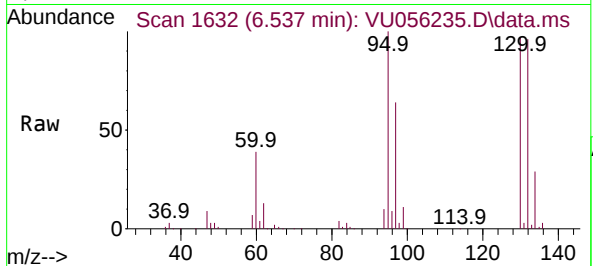




#34
Trichloroethene
Concen: 5.959 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

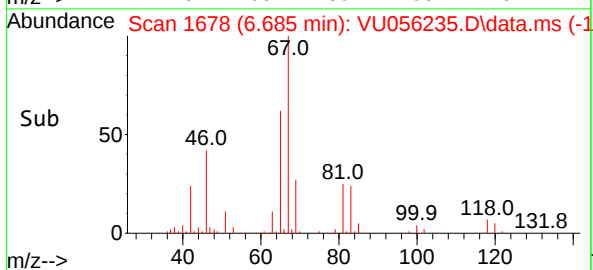
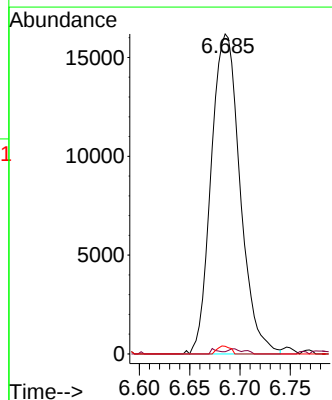
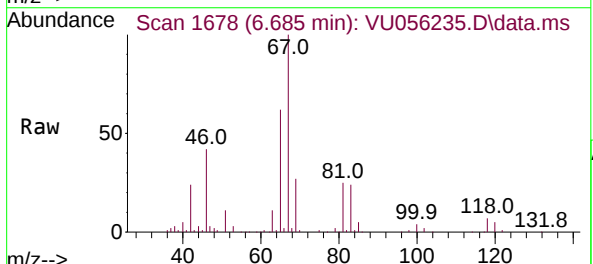
Instrument :
MSVOA_U
ClientSampleId :

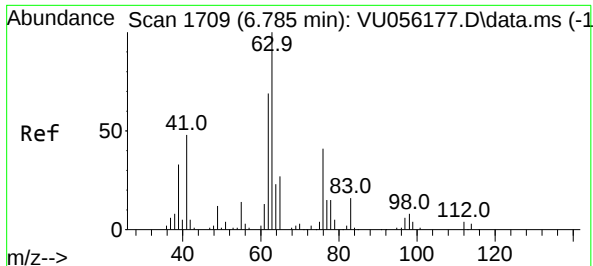
Tgt Ion: 95 Resp: 176145
Ion Ratio Lower Upper
95 100
97 64.2 46.8 87.0
132 95.6 66.5 123.5
130 97.1 70.6 131.0



#35
Methylcyclohexane
Concen: 0.737 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

Tgt Ion: 83 Resp: 32376
Ion Ratio Lower Upper
83 100
55 0.4 60.6 91.0#
98 1.1 36.2 54.4#

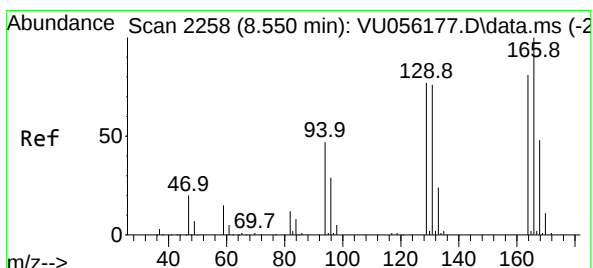
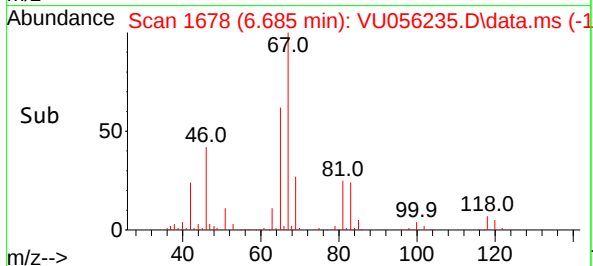
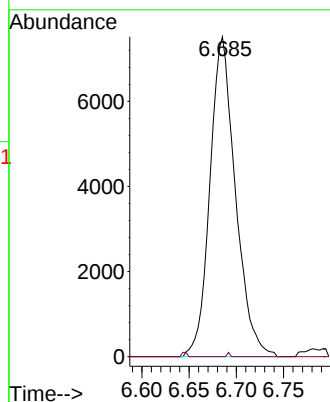
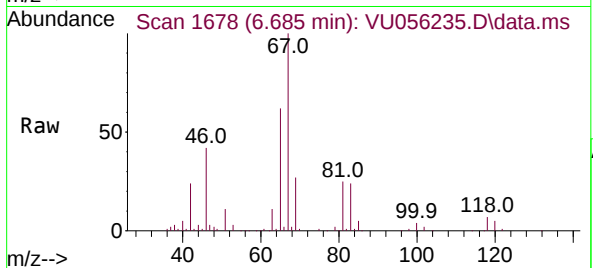




#37
1,2-Dichloropropane
Concen: 0.501 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

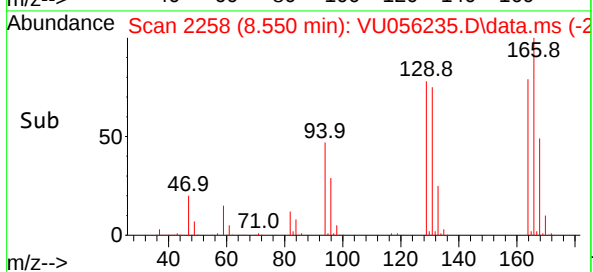
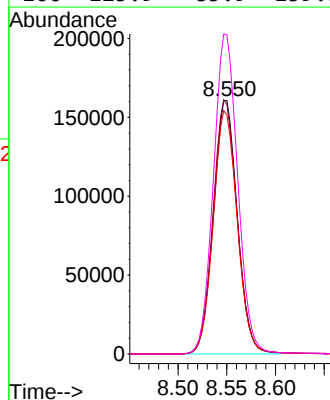
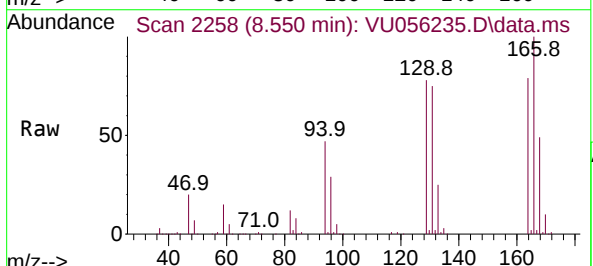
Instrument :
MSVOA_U
ClientSampleId :

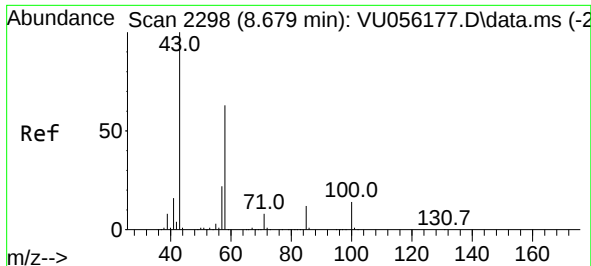
Tgt Ion: 63 Resp: 14106
Ion Ratio Lower Upper
63 100
112 0.1 3.4 5.2#



#47
Tetrachloroethene
Concen: 12.360 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

Tgt Ion:164 Resp: 274198
Ion Ratio Lower Upper
164 100
129 98.4 66.6 123.8
131 94.3 67.8 126.0
166 125.9 85.9 159.5

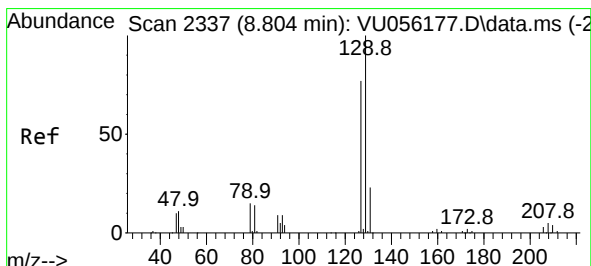
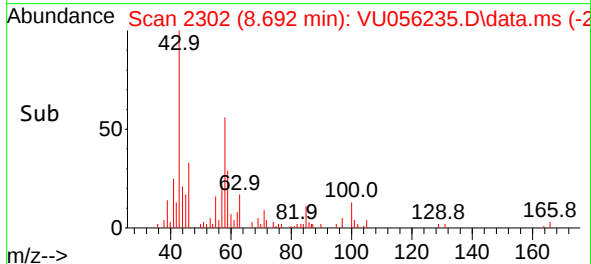
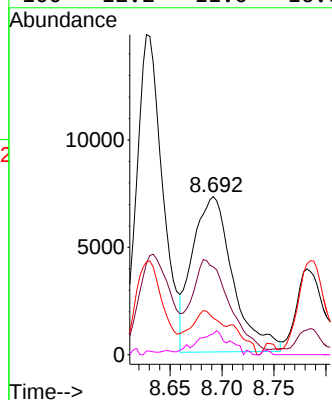
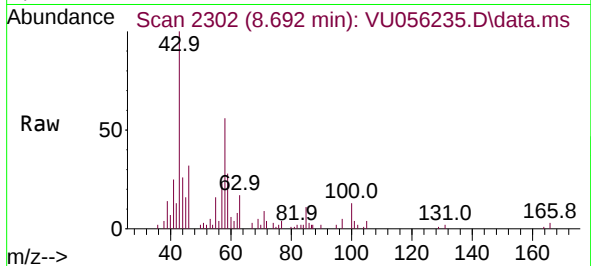




#48
2-Hexanone
Concen: 2.185 ug/L
RT: 8.692 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

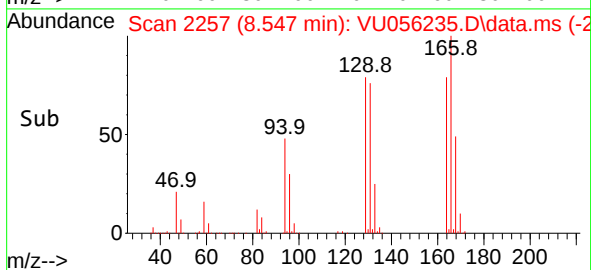
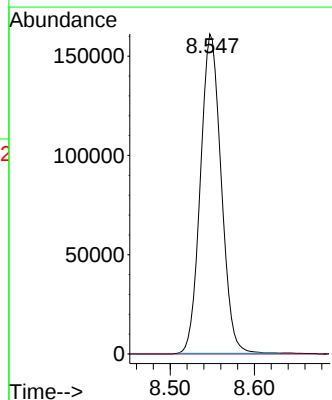
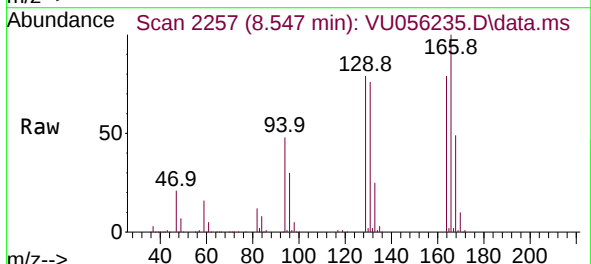
Instrument :
MSVOA_U
ClientSampleId :

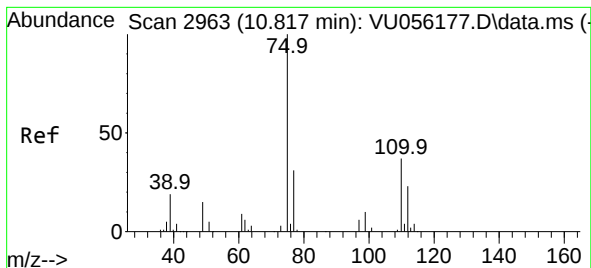
Tgt Ion: 43	Resp: 19578
Ion Ratio	Lower Upper
43 100	
58 57.1	52.0 78.0
57 7.9	17.4 26.2#
100 12.2	11.0 16.6



#49
Dibromochloromethane
Concen: 12.455 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.257 min
Lab File: VU056235.D
Acq: 11 Nov 2023 23:20

Tgt Ion:129	Resp: 274931		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	55.4	102.8#	





#61

1,2,3-Trichloropropane

Concen: 1.262 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU056235.D

Acq: 11 Nov 2023 23:20

Instrument :

MSVOA_U

ClientSampleId :

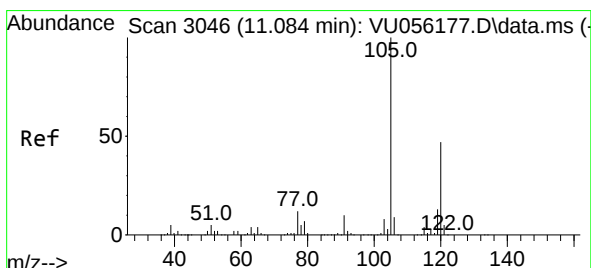
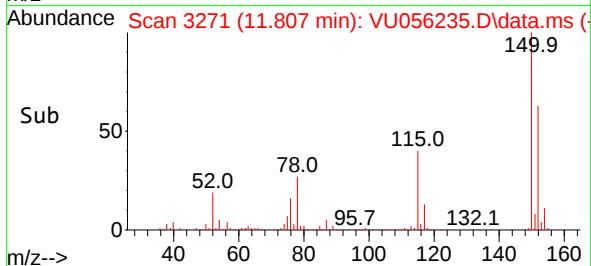
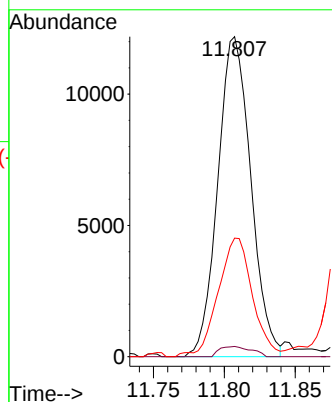
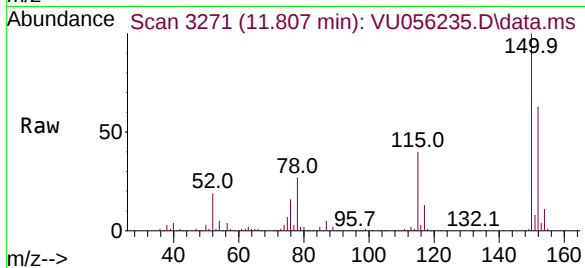
Tgt Ion: 75 Resp: 19789

Ion Ratio Lower Upper

75 100

110 3.1 29.7 44.5#

77 38.3 25.5 38.3#



#62

1,3,5-Trimethylbenzene

Concen: 1.244 ug/L

RT: 11.891 min Scan# 3297

Delta R.T. 0.807 min

Lab File: VU056235.D

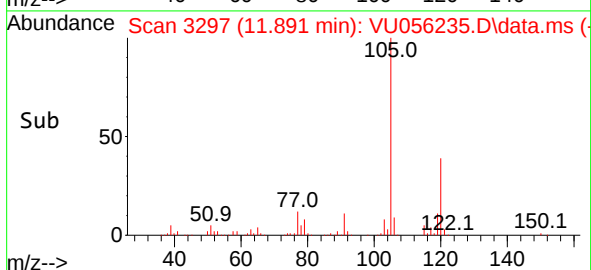
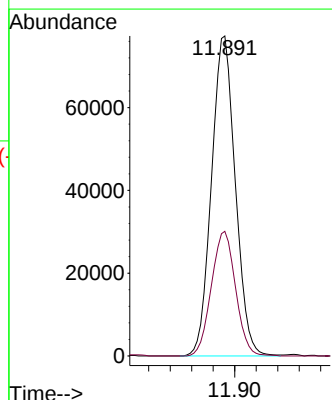
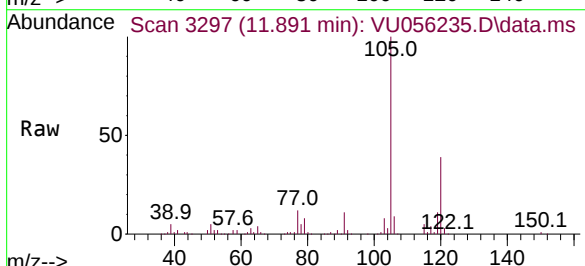
Acq: 11 Nov 2023 23:20

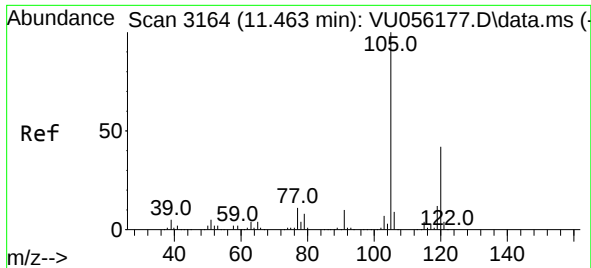
Tgt Ion: 105 Resp: 118848

Ion Ratio Lower Upper

105 100

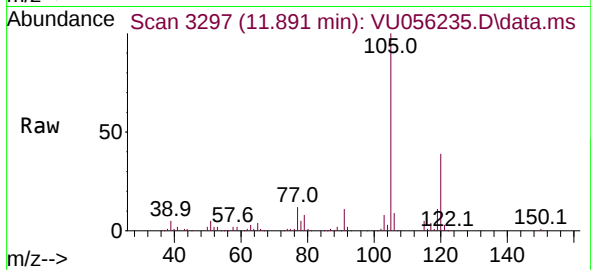
120 39.5 37.9 56.9





#63
 1,2,4-Trimethylbenzene
 Concen: 1.269 ug/L
 RT: 11.891 min Scan# 31
 Delta R.T. 0.428 min
 Lab File: VU056235.D
 Acq: 11 Nov 2023 23:20

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:105 Resp: 118848
 Ion Ratio Lower Upper
 105 100
 120 39.5 35.4 53.0

