

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056271.D
 Acq On : 13 Nov 2023 23:19
 Operator : MD/SY
 Sample : 05371-12RE
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 21:46:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 14 00:08:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	315138	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	310065	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137482	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	70071	2.973	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.400%
7) Chloroethane-d5	1.911	69	59547	3.295	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.800%
11) 1,1-Dichloroethene-d2	2.563	65	35676	3.430	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.600%
20) 2-Butanone-d5	4.621	46	184358	39.224	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.440%
24) Chloroform-d	5.058	84	162930	3.574	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.400%
26) 1,2-Dichloroethane-d4	5.695	65	78795	3.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.800%
32) Benzene-d6	5.724	84	318336	3.446	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.000%#
36) 1,2-Dichloropropane-d6	6.685	67	101554	3.647	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.000%
41) Toluene-d8	7.894	98	268847	3.296	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.000%#
43) trans-1,3-Dichloroprop...	8.177	79	35009	3.279	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.600%
46) 2-Hexanone-d5	8.631	63	151754	36.164	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.320%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	72239	3.631	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	98636	3.884	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	8946	0.351	ug/L	99
5) Vinyl chloride	1.602	62	7725	0.314	ug/L #	73
8) Chloroethane	1.930	64	5292	0.352	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	6575	0.313	ug/L	94
13) Acetone	2.631	43	194398	48.561	ug/L	99
15) Methyl Acetate	2.946	43	1321	0.185	ug/L #	49
19) 1,1-Dichloroethane	3.862	63	5262	0.134	ug/L	99
21) 2-Butanone	4.708	43	55815	10.745	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	12790	0.568	ug/L	99
33) Benzene	5.769	78	26645	0.301	ug/L	100
34) Trichloroethene	6.537	95	294509	12.218	ug/L	97
35) Methylcyclohexane	6.685	83	23157	0.665	ug/L #	18
47) Tetrachloroethene	8.550	164	75072	4.618	ug/L	98
48) 2-Hexanone	8.692	43	15444	1.733	ug/L #	91
49) Dibromochloromethane	8.547	129	76681	4.388	ug/L #	12
60) Isopropylbenzene	11.290	105	17910	0.202	ug/L	93
61) 1,2,3-Trichloropropane	11.807	75	17558	1.488	ug/L #	69
62) 1,3,5-Trimethylbenzene	11.888	105	13545	0.186	ug/L	91
63) 1,2,4-Trimethylbenzene	11.888	105	13545	0.188	ug/L	97

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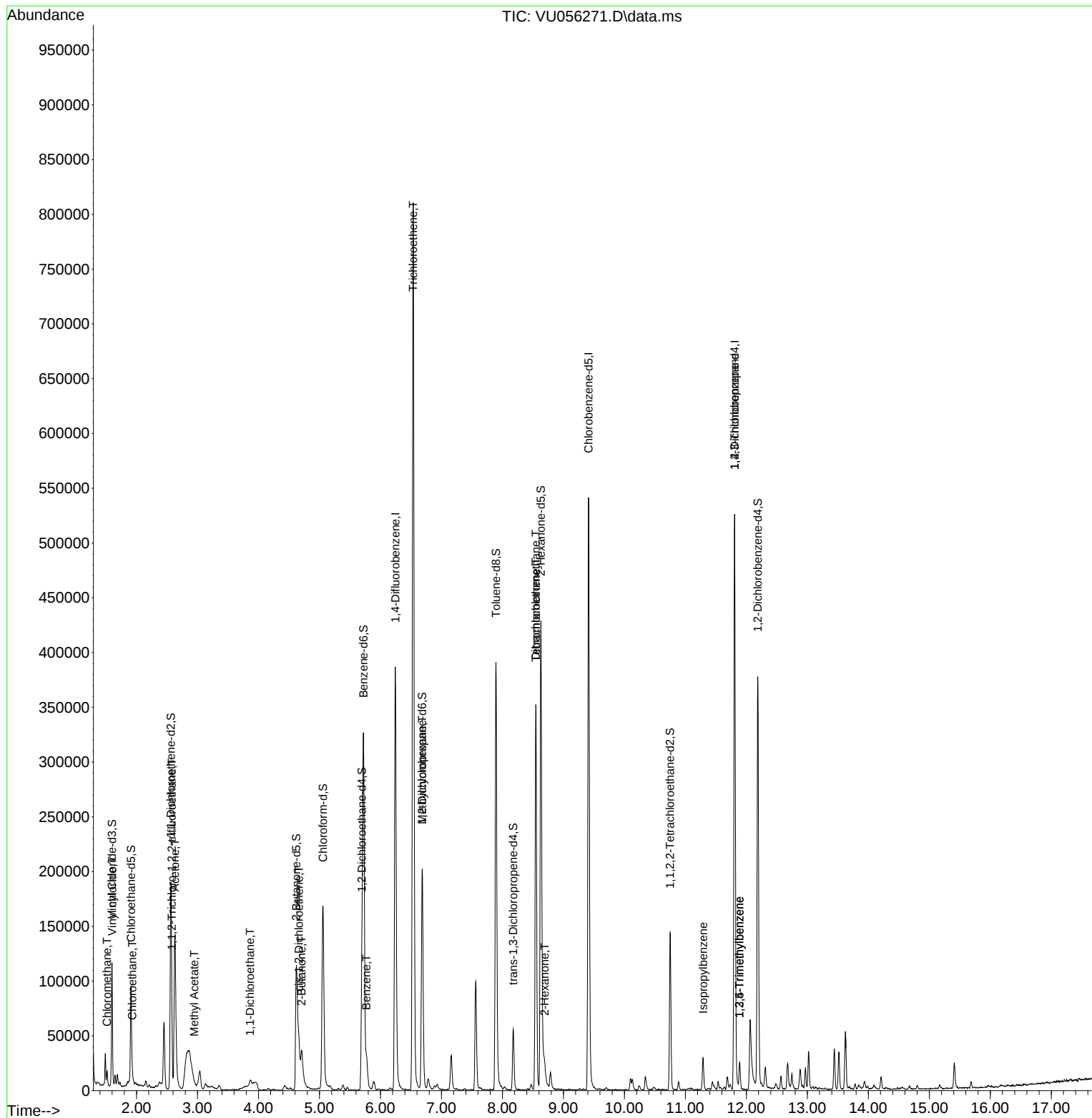
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

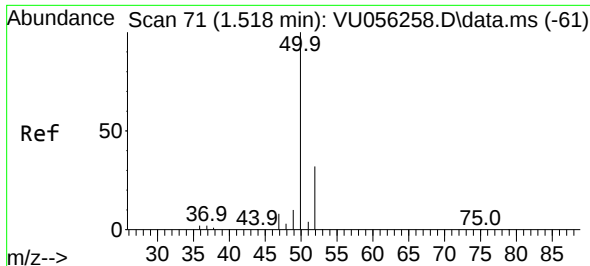
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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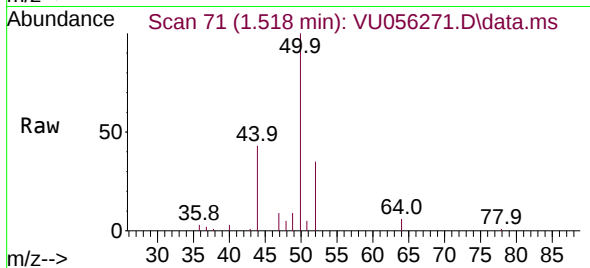


#3
Chloromethane
Concen: 0.351 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU056271.D
Acq: 13 Nov 2023 23:19

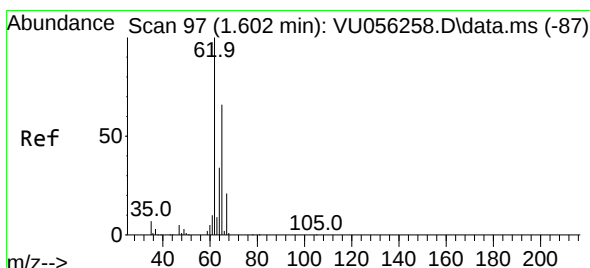
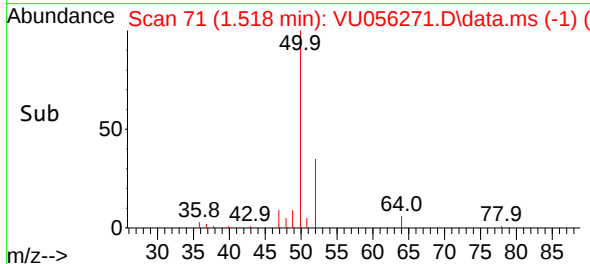
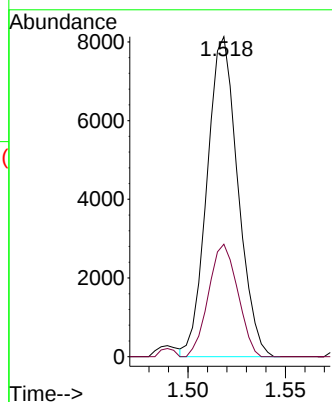
Instrument :

MSVOA_U

ClientSampleId :

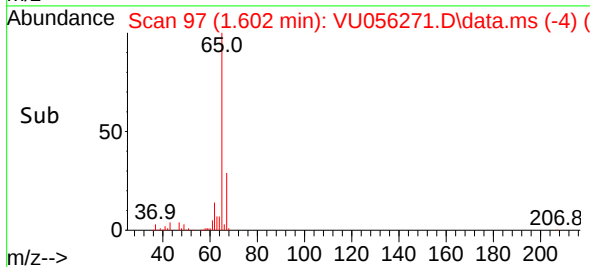
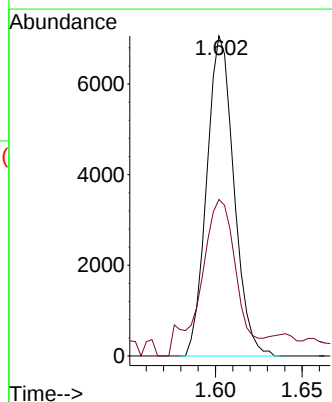
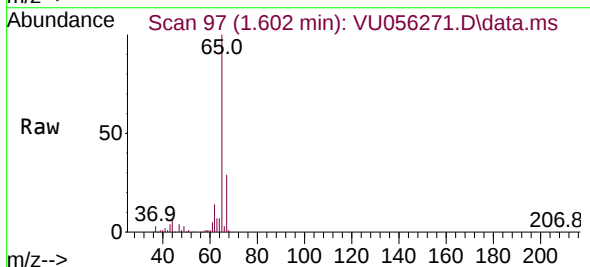


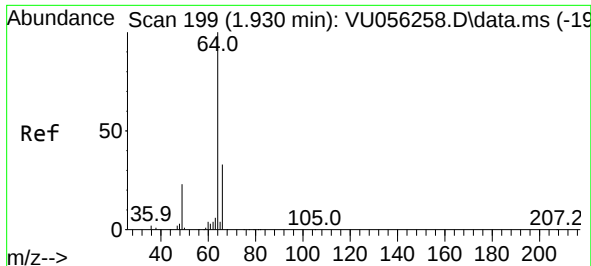
Tgt Ion: 50 Resp: 8946
Ion Ratio Lower Upper
50 100
52 35.2 24.3 45.1



#5
Vinyl chloride
Concen: 0.314 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU056271.D
Acq: 13 Nov 2023 23:19

Tgt Ion: 62 Resp: 7725
Ion Ratio Lower Upper
62 100
64 48.9 23.3 43.3#

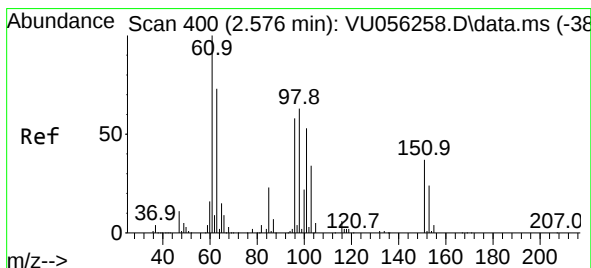
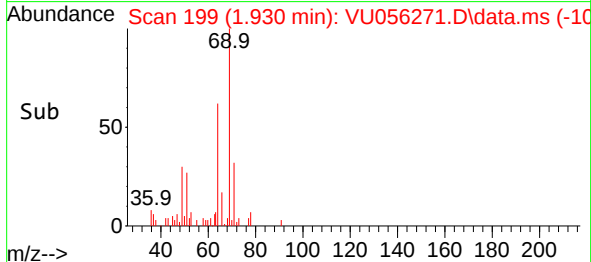
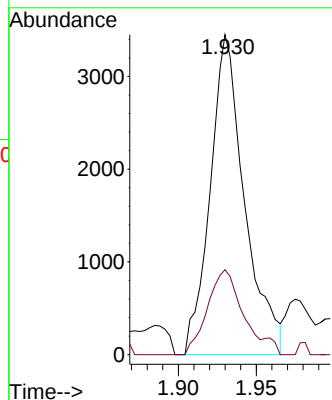
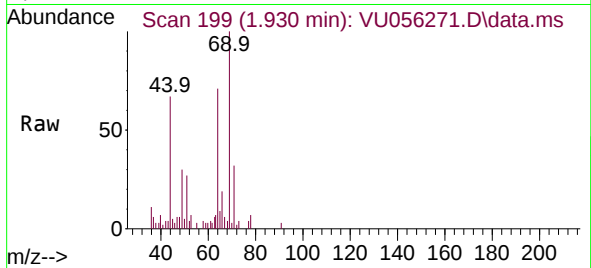




#8
Chloroethane
Concen: 0.352 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056271.D
Acq: 13 Nov 2023 23:19

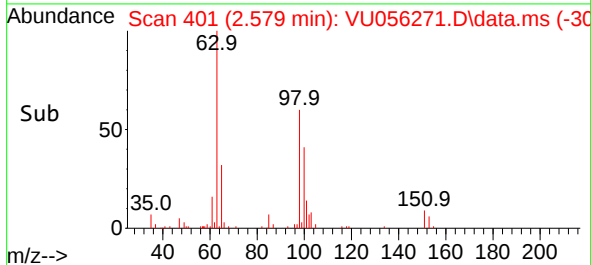
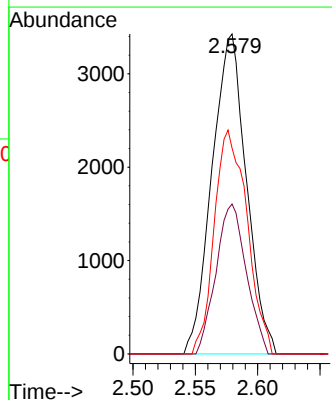
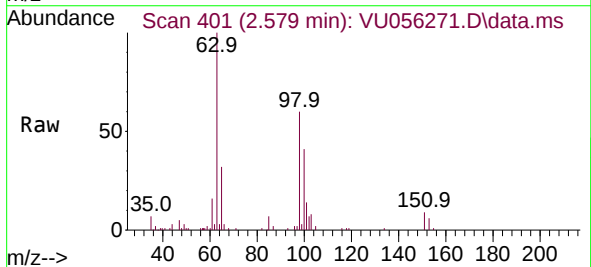
Instrument :
MSVOA_U
ClientSampleId :

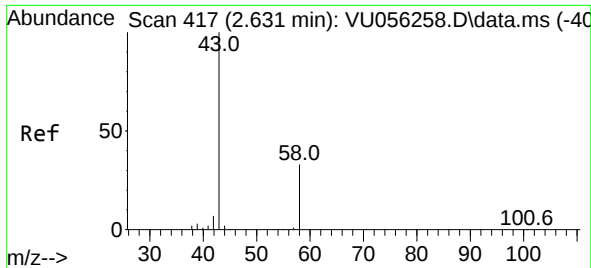
Tgt Ion: 64 Resp: 5292
Ion Ratio Lower Upper
64 100
66 26.5 23.9 44.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.313 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU056271.D
Acq: 13 Nov 2023 23:19

Tgt Ion:101 Resp: 6575
Ion Ratio Lower Upper
101 100
85 41.3 35.4 53.0
151 66.8 58.0 87.0





#13

Acetone

Concen: 48.561 ug/L

RT: 2.631 min Scan# 417

Delta R.T. -0.000 min

Lab File: VU056271.D

Acq: 13 Nov 2023 23:19

Instrument :

MSVOA_U

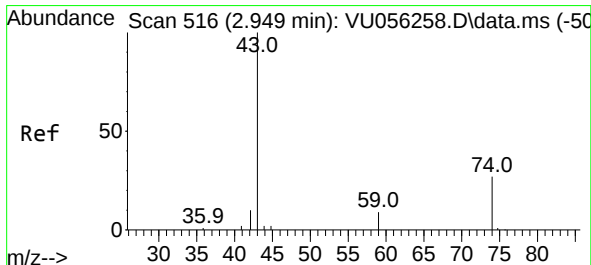
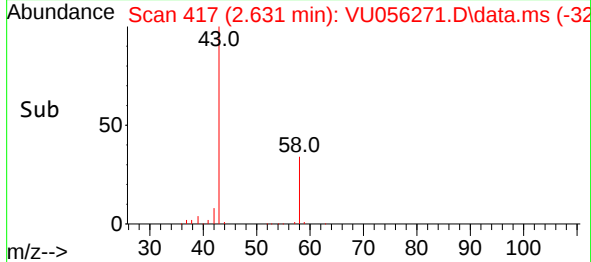
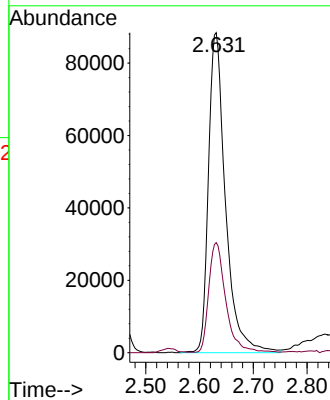
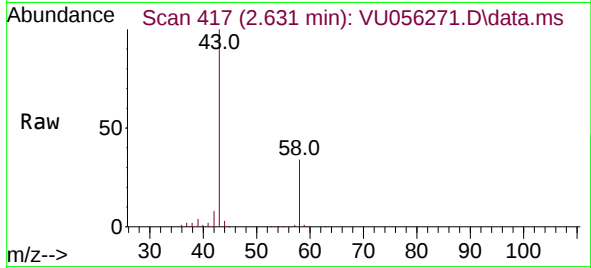
ClientSampleId :

Tgt Ion: 43 Resp: 194398

Ion Ratio Lower Upper

43 100

58 34.2 0.0 70.0



#15

Methyl Acetate

Concen: 0.185 ug/L

RT: 2.946 min Scan# 515

Delta R.T. -0.003 min

Lab File: VU056271.D

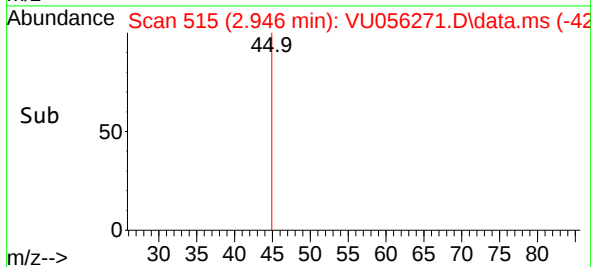
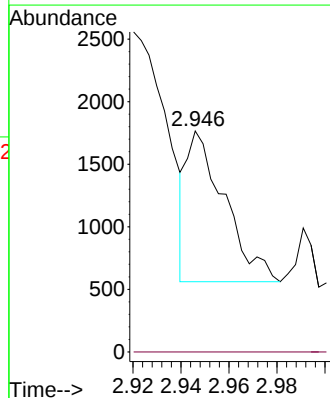
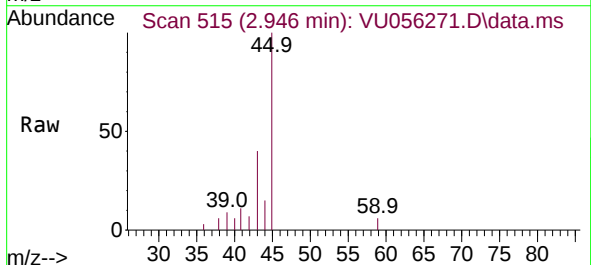
Acq: 13 Nov 2023 23:19

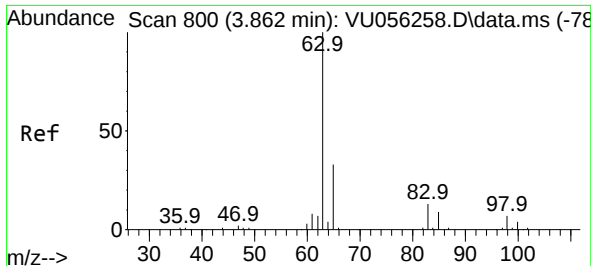
Tgt Ion: 43 Resp: 1321

Ion Ratio Lower Upper

43 100

74 0.0 20.6 31.0#





#19

1,1-Dichloroethane

Concen: 0.134 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056271.D

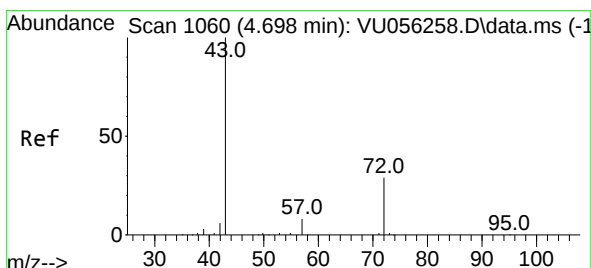
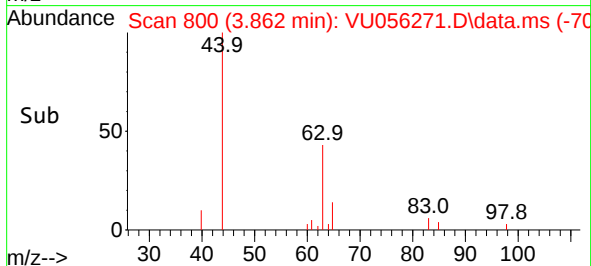
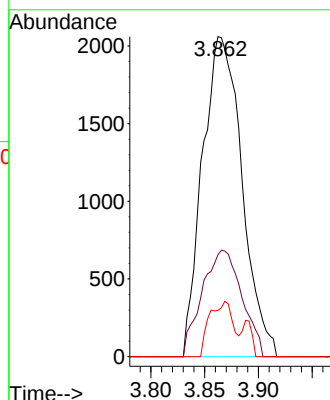
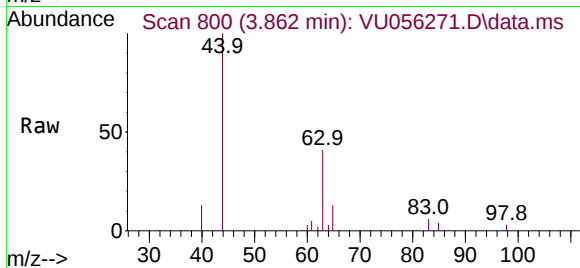
Acq: 13 Nov 2023 23:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	5262
Ion	Ratio	Lower	Upper
63	100		
65	31.8	21.8	40.6
83	14.5	9.7	17.9



#21

2-Butanone

Concen: 10.745 ug/L

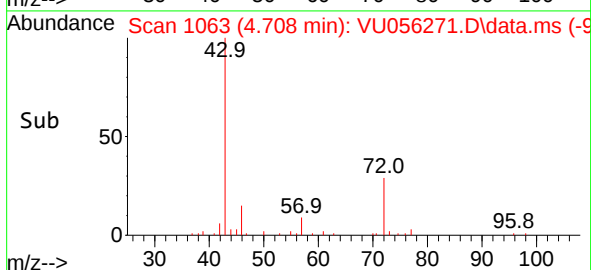
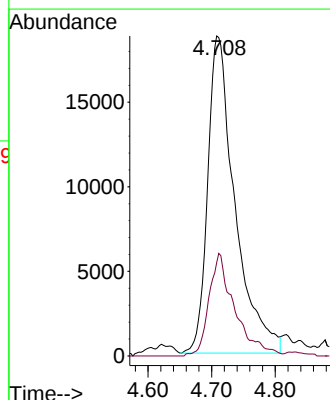
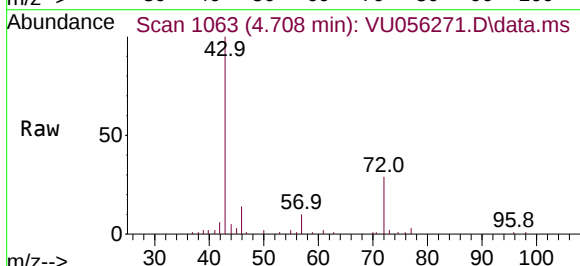
RT: 4.708 min Scan# 1063

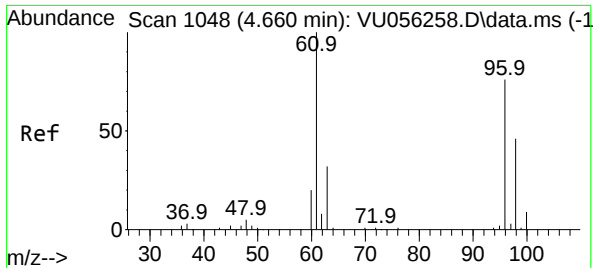
Delta R.T. 0.010 min

Lab File: VU056271.D

Acq: 13 Nov 2023 23:19

Tgt Ion:	43	Resp:	55815
Ion	Ratio	Lower	Upper
43	100		
72	30.5	14.2	42.6

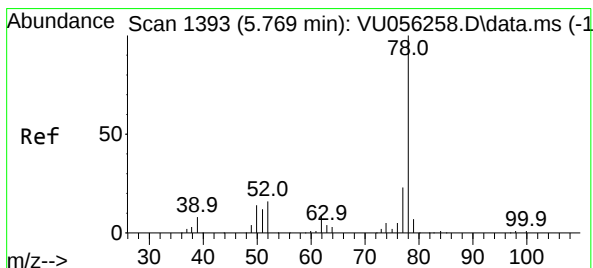
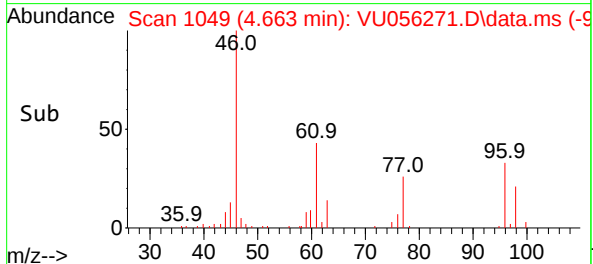
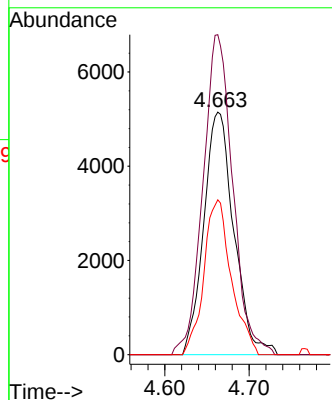
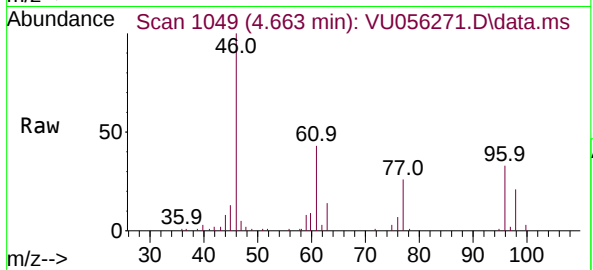




#22
 cis-1,2-Dichloroethene
 Concen: 0.568 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU056271.D
 Acq: 13 Nov 2023 23:19

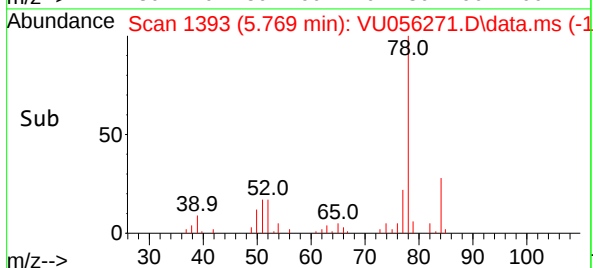
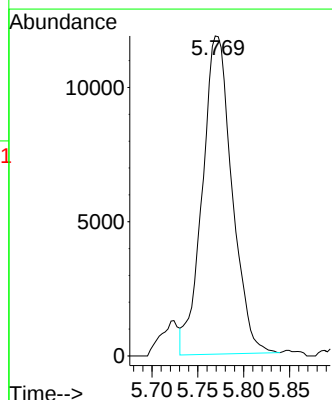
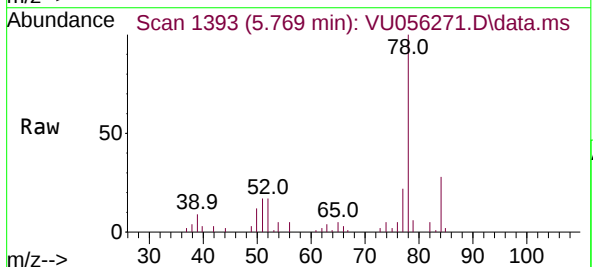
Instrument :
 MSVOA_U
 ClientSampleId :

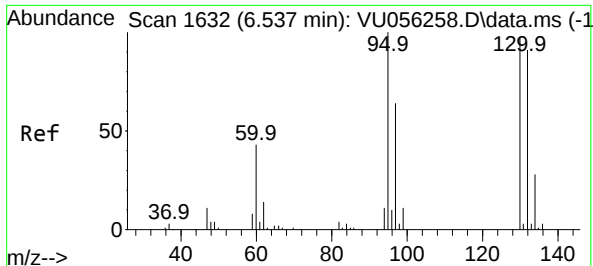
Tgt Ion: 96 Resp: 12790
 Ion Ratio Lower Upper
 96 100
 61 132.0 93.2 173.2
 98 63.9 44.8 83.2



#33
 Benzene
 Concen: 0.301 ug/L
 RT: 5.769 min Scan# 1393
 Delta R.T. -0.000 min
 Lab File: VU056271.D
 Acq: 13 Nov 2023 23:19

Tgt Ion: 78 Resp: 26645





#34

Trichloroethene

Concen: 12.218 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056271.D

Acq: 13 Nov 2023 23:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 294509

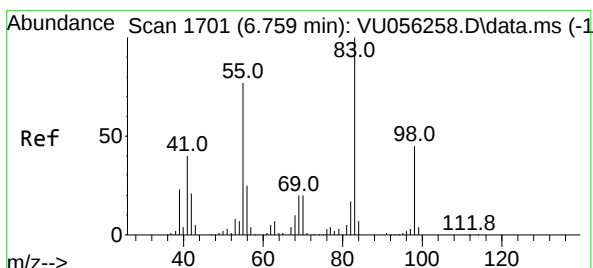
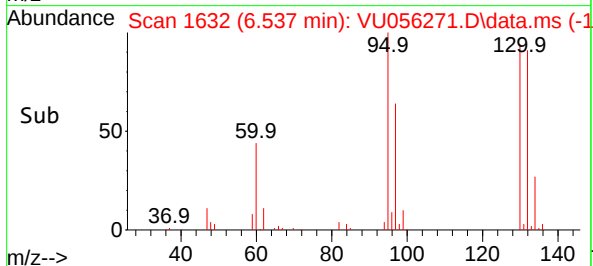
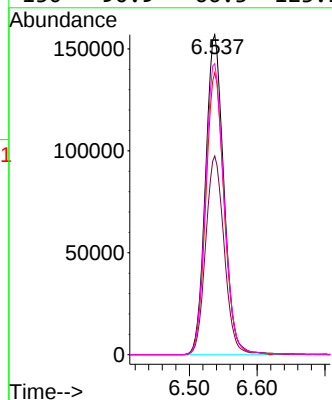
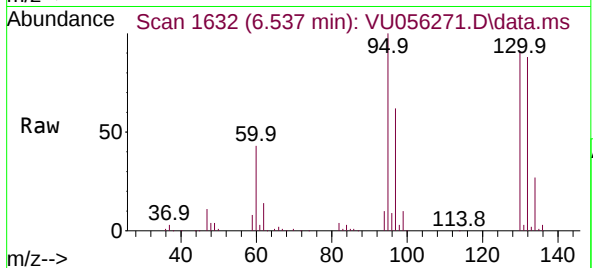
Ion Ratio Lower Upper

95 100

97 62.1 46.5 86.3

132 88.1 62.0 115.2

130 90.9 66.3 123.1



#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056271.D

Acq: 13 Nov 2023 23:19

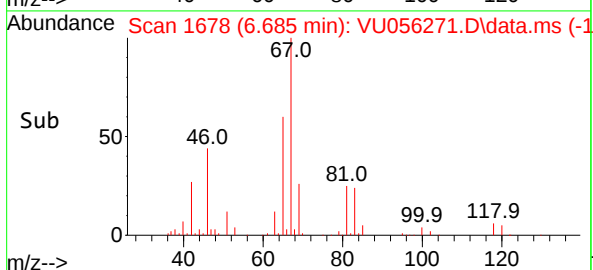
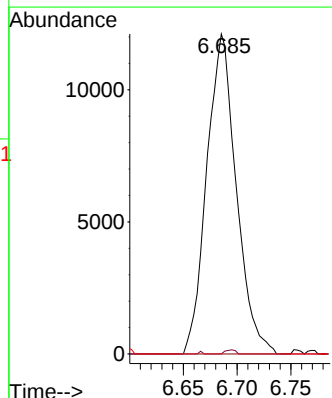
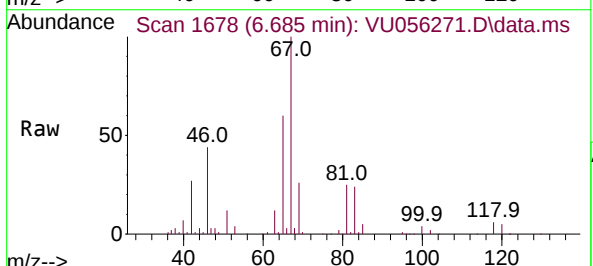
Tgt Ion: 83 Resp: 23157

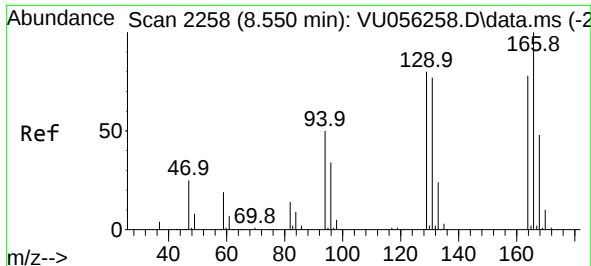
Ion Ratio Lower Upper

83 100

55 0.4 62.9 94.3#

98 0.0 35.3 52.9#





#47

Tetrachloroethene

Concen: 4.618 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

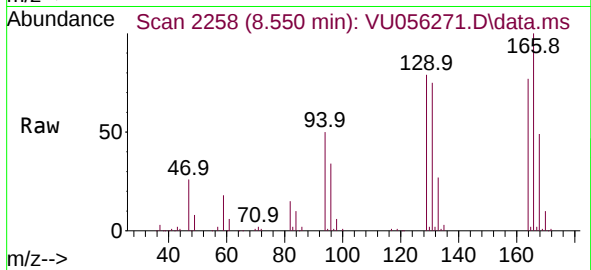
Lab File: VU056271.D

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Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 75072

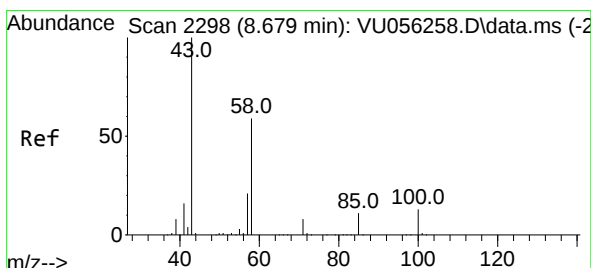
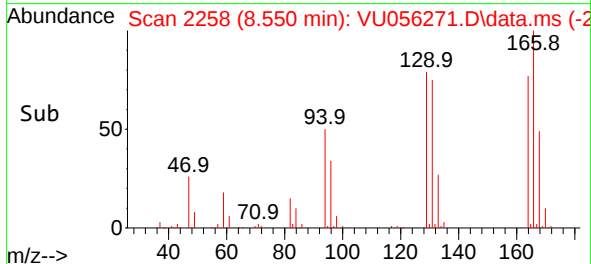
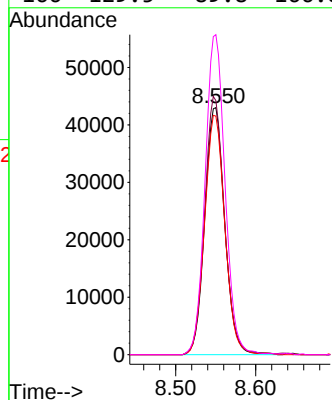
Ion Ratio Lower Upper

164 100

129 102.8 71.0 131.9

131 96.5 70.3 130.7

166 129.5 89.8 166.8



#48

2-Hexanone

Concen: 1.733 ug/L

RT: 8.692 min Scan# 2302

Delta R.T. 0.013 min

Lab File: VU056271.D

Acq: 13 Nov 2023 23:19

Tgt Ion: 43 Resp: 15444

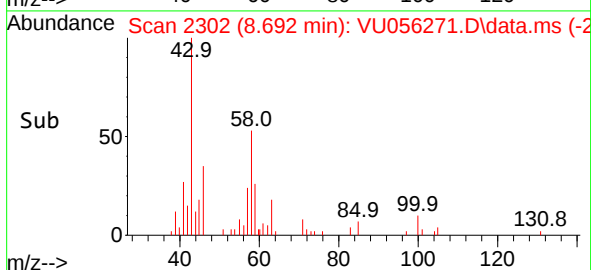
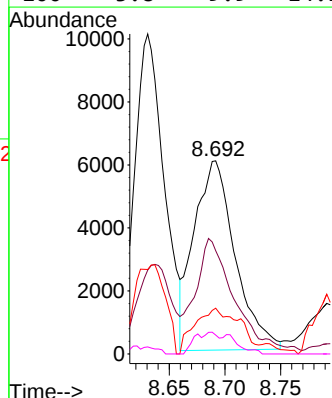
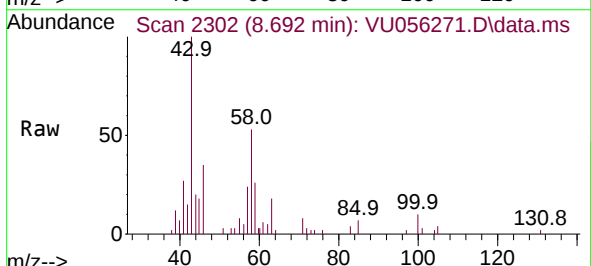
Ion Ratio Lower Upper

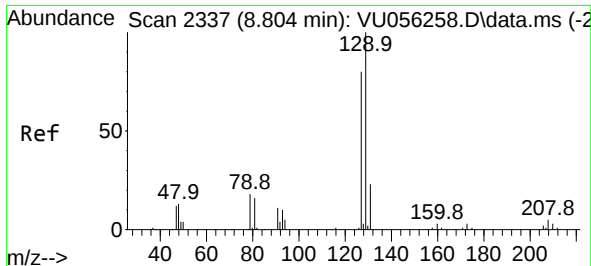
43 100

58 56.9 48.7 73.1

57 26.5 16.8 25.2#

100 3.8 9.9 14.9#

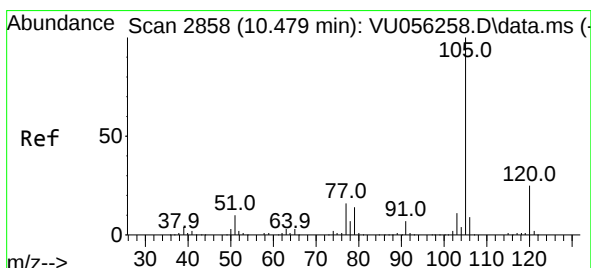
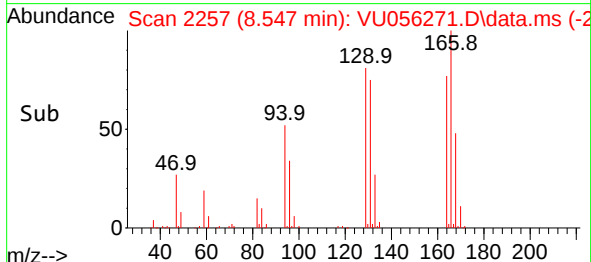
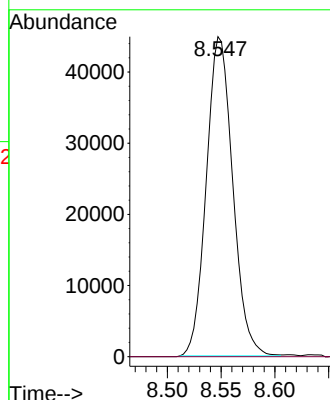
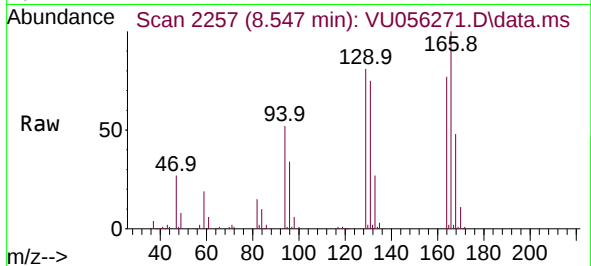




#49
Dibromochloromethane
Concen: 4.388 ug/L
RT: 8.547 min Scan# 2110
Delta R.T. -0.257 min
Lab File: VU056271.D
Acq: 13 Nov 2023 23:19

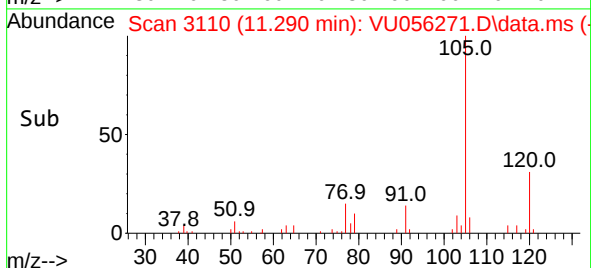
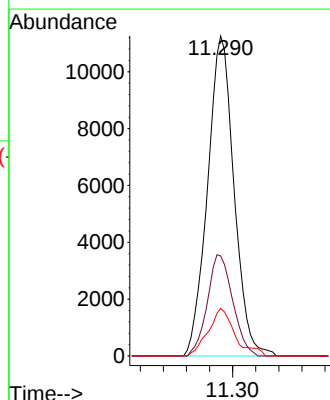
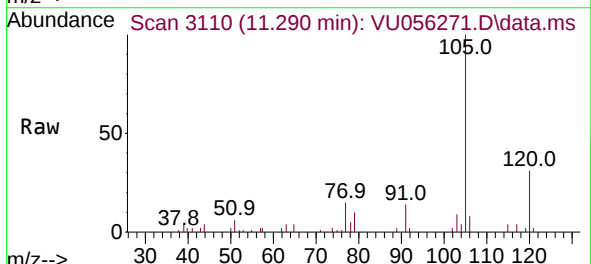
Instrument :
MSVOA_U
ClientSampleId :

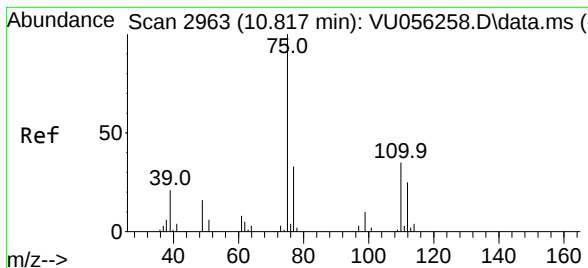
Tgt Ion:129 Resp: 76681
Ion Ratio Lower Upper
129 100
127 0.0 52.9 98.3#



#60
Isopropylbenzene
Concen: 0.202 ug/L
RT: 11.290 min Scan# 3110
Delta R.T. 0.810 min
Lab File: VU056271.D
Acq: 13 Nov 2023 23:19

Tgt Ion:105 Resp: 17910
Ion Ratio Lower Upper
105 100
120 30.3 20.4 30.6
77 14.9 13.3 19.9





#61

1,2,3-Trichloropropane

Concen: 1.488 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU056271.D

Acq: 13 Nov 2023 23:19

Instrument :

MSVOA_U

ClientSampleId :

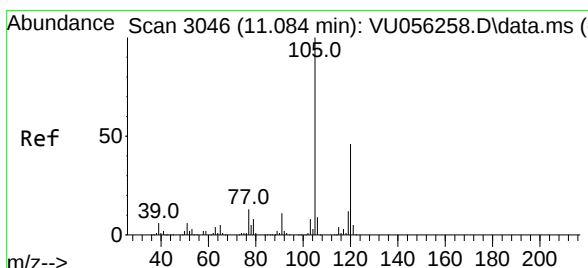
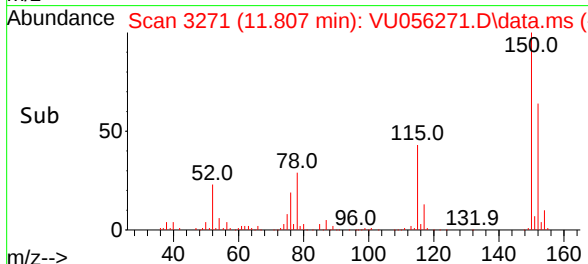
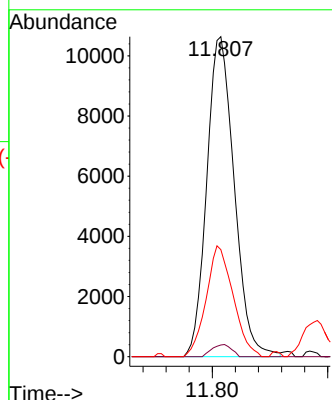
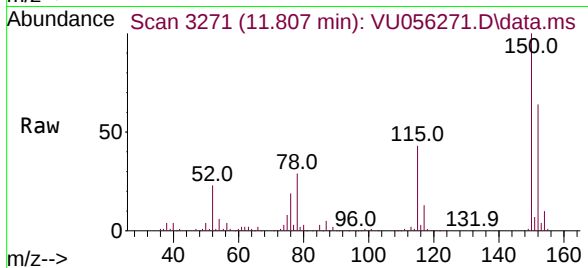
Tgt Ion: 75 Resp: 17558

Ion Ratio Lower Upper

75 100

110 2.7 30.4 45.6#

77 33.9 27.0 40.6



#62

1,3,5-Trimethylbenzene

Concen: 0.186 ug/L

RT: 11.888 min Scan# 3296

Delta R.T. 0.804 min

Lab File: VU056271.D

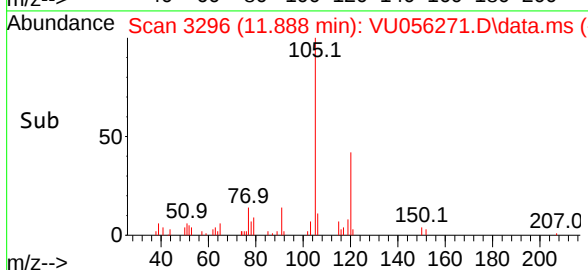
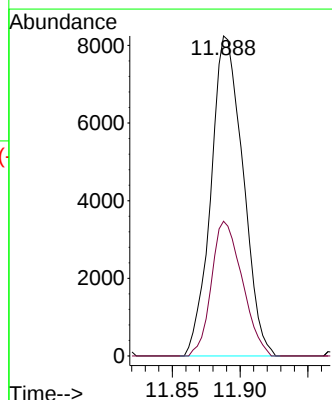
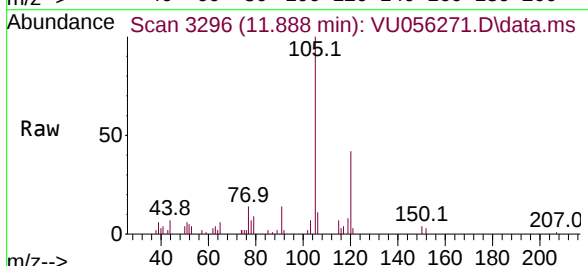
Acq: 13 Nov 2023 23:19

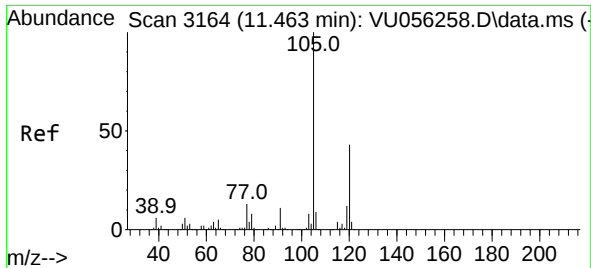
Tgt Ion:105 Resp: 13545

Ion Ratio Lower Upper

105 100

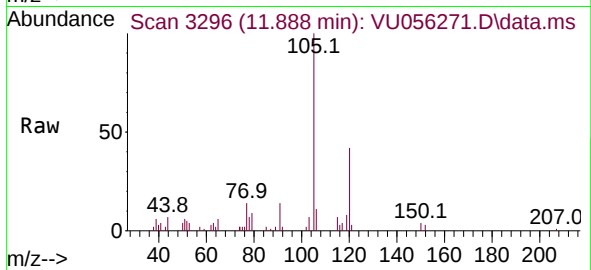
120 40.4 37.2 55.8





#63
1,2,4-Trimethylbenzene
Concen: 0.188 ug/L
RT: 11.888 min Scan# 3164
Delta R.T. 0.424 min
Lab File: VU056271.D
Acq: 13 Nov 2023 23:19

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:105 Resp: 13545
Ion Ratio Lower Upper
105 100
120 40.4 34.0 51.0

