

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056272.D
 Acq On : 13 Nov 2023 23:43
 Operator : MD/SY
 Sample : 05371-13RE
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 21:46:52 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	300335	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	293068	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137879	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	64313	2.863	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.200%
7) Chloroethane-d5	1.911	69	56635	3.288	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.800%
11) 1,1-Dichloroethene-d2	2.563	65	31338	3.161	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.200%
20) 2-Butanone-d5	4.624	46	178428	39.833	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.660%
24) Chloroform-d	5.055	84	150469	3.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.200%#
26) 1,2-Dichloroethane-d4	5.695	65	73519	3.662	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
32) Benzene-d6	5.721	84	291921	3.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.800%#
36) 1,2-Dichloropropane-d6	6.685	67	95806	3.641	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.800%
41) Toluene-d8	7.894	98	251559	3.263	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.200%#
43) trans-1,3-Dichloroprop...	8.177	79	32823	3.252	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.000%
46) 2-Hexanone-d5	8.627	63	144636	36.466	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.940%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	69089	3.674	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	92764	3.642	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	72.800%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	9304	0.383	ug/L	95
5) Vinyl chloride	1.602	62	24245	1.035	ug/L	93
8) Chloroethane	1.930	64	4104	0.287	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	3847	0.192	ug/L	85
13) Acetone	2.634	43	262090	68.698	ug/L	100
15) Methyl Acetate	3.042	43	10119	1.490	ug/L #	49
17) Methyl tert-butyl Ether	3.361	73	5999	0.134	ug/L #	46
21) 2-Butanone	4.711	43	62843	12.694	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	17046	0.795	ug/L	98
33) Benzene	5.772	78	61128	0.731	ug/L	100
34) Trichloroethene	6.537	95	150298	6.597	ug/L	98
35) Methylcyclohexane	6.685	83	22497	0.684	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	10214	0.468	ug/L #	88
45) 1,1,2-Trichloroethane	8.547	97	2210	0.152	ug/L #	16
47) Tetrachloroethene	8.547	164	212747	13.847	ug/L	98
48) 2-Hexanone	8.685	43	16417	1.949	ug/L #	88
49) Dibromochloromethane	8.547	129	221861	13.433	ug/L #	12
61) 1,2,3-Trichloropropane	11.804	75	17661	1.493	ug/L #	69
62) 1,3,5-Trimethylbenzene	11.888	105	101892	1.396	ug/L	90

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Response via : Initial Calibration

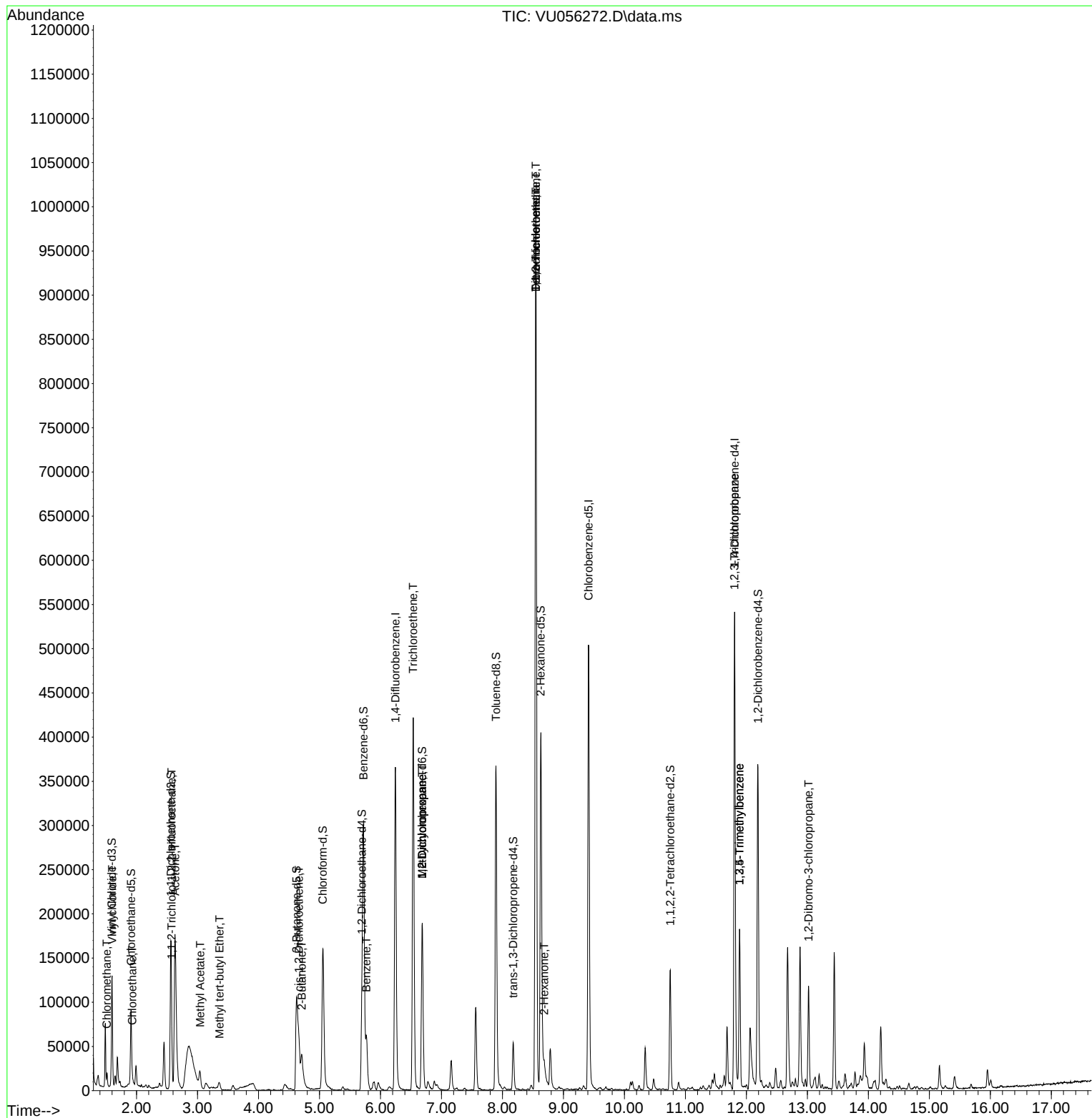
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.888	105	101892	1.414	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.019	75	618	0.245	ug/L #	4

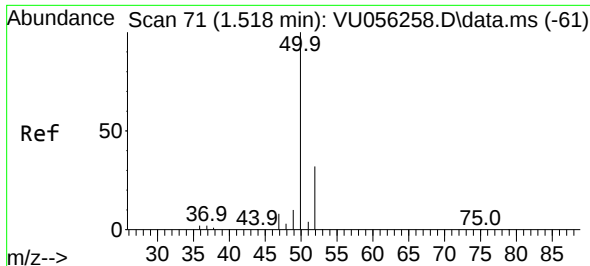
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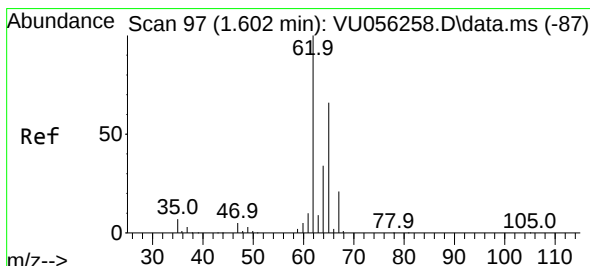
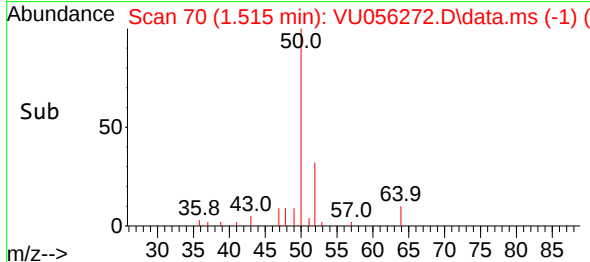
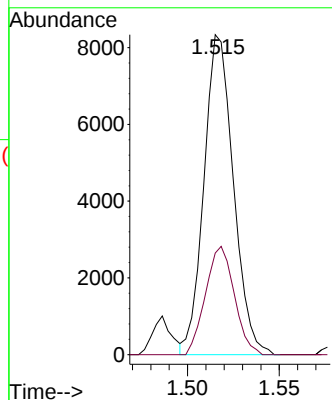
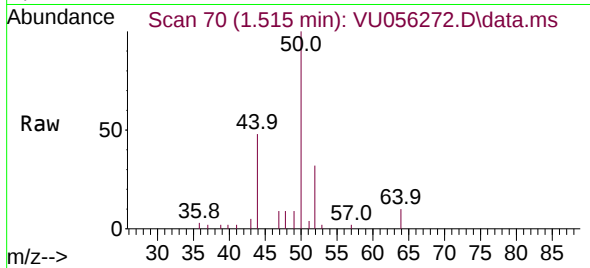




#3
Chloromethane
Concen: 0.383 ug/L
RT: 1.515 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

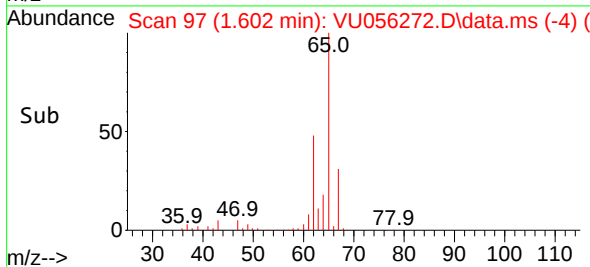
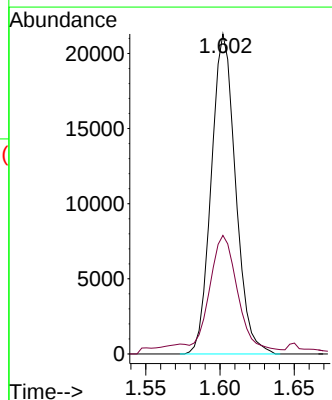
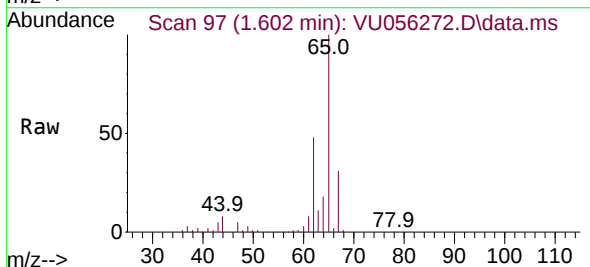
Instrument :
MSVOA_U
ClientSampleId :

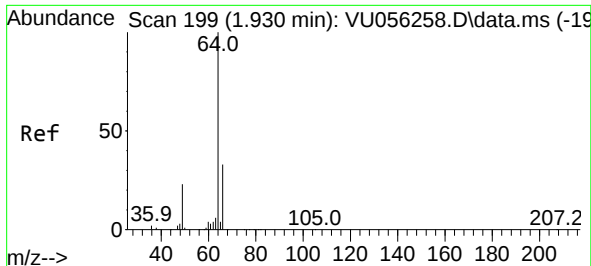
Tgt Ion: 50 Resp: 9304
Ion Ratio Lower Upper
50 100
52 31.8 24.3 45.1



#5
Vinyl chloride
Concen: 1.035 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

Tgt Ion: 62 Resp: 24245
Ion Ratio Lower Upper
62 100
64 37.0 23.3 43.3

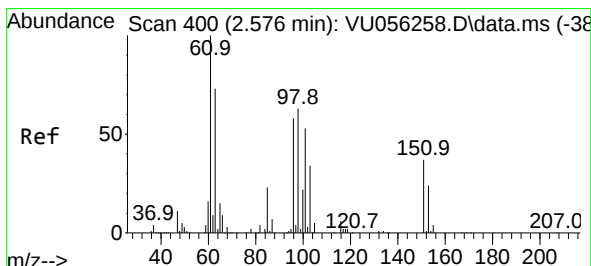
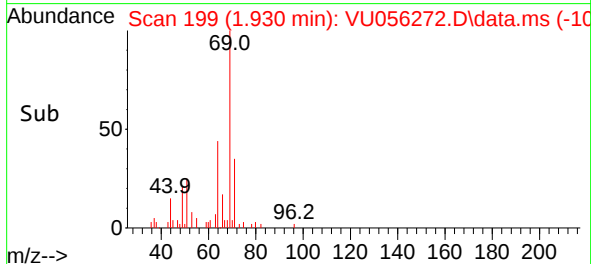
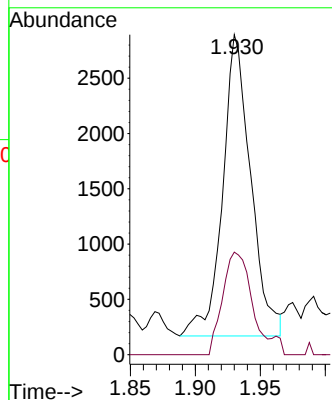
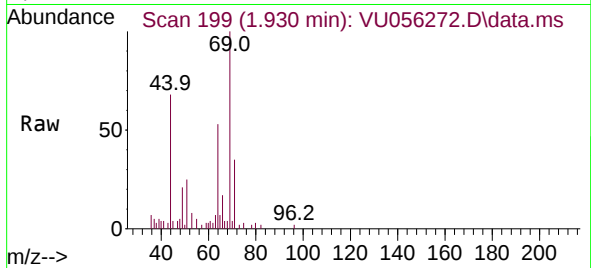




#8
Chloroethane
Concen: 0.287 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

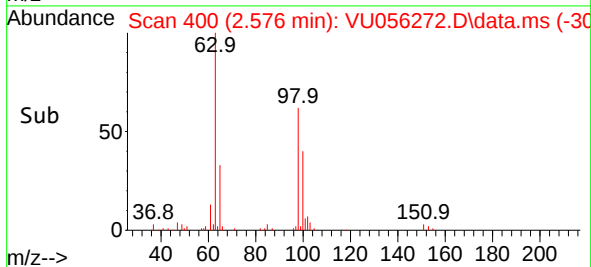
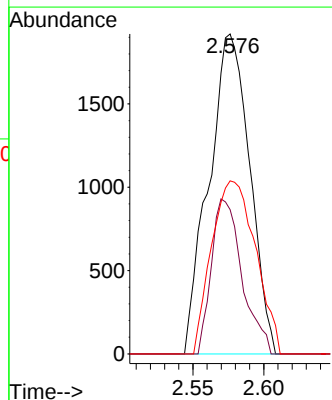
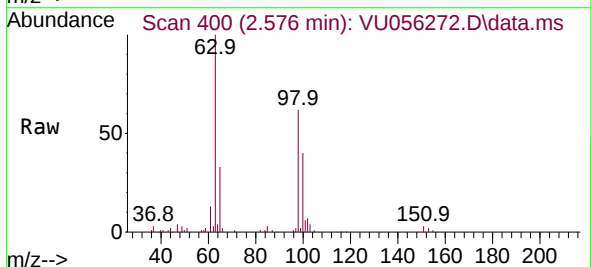
Instrument :
MSVOA_U
ClientSampleId :

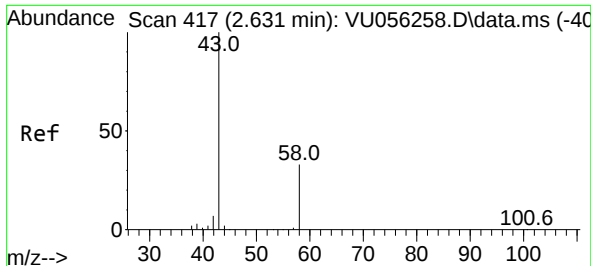
Tgt Ion: 64 Resp: 4104
Ion Ratio Lower Upper
64 100
66 28.1 23.9 44.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.192 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

Tgt Ion:101 Resp: 3847
Ion Ratio Lower Upper
101 100
85 36.4 35.4 53.0
151 58.3 58.0 87.0





#13

Acetone

Concen: 68.698 ug/L

RT: 2.634 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

Instrument :

MSVOA_U

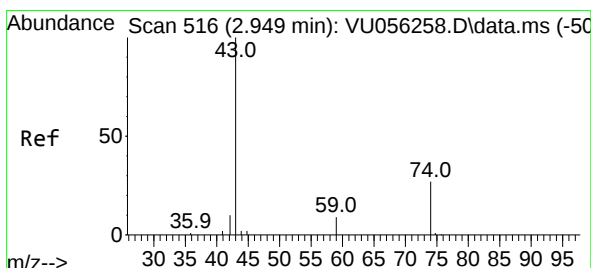
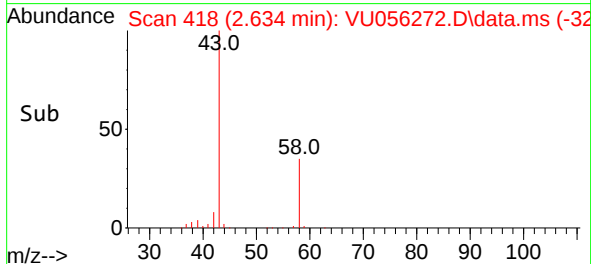
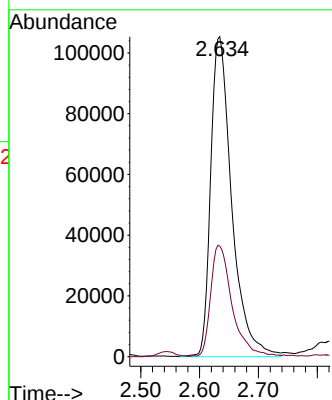
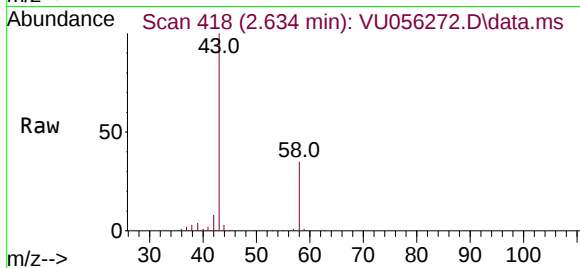
ClientSampleId :

Tgt Ion: 43 Resp: 262090

Ion Ratio Lower Upper

43 100

58 34.9 0.0 70.0



#15

Methyl Acetate

Concen: 1.490 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.093 min

Lab File: VU056272.D

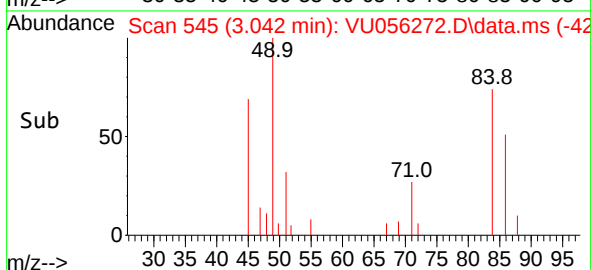
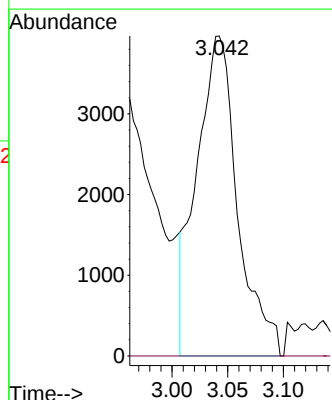
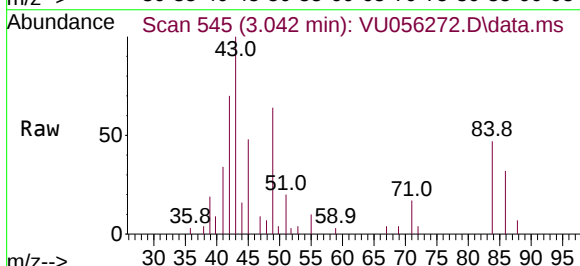
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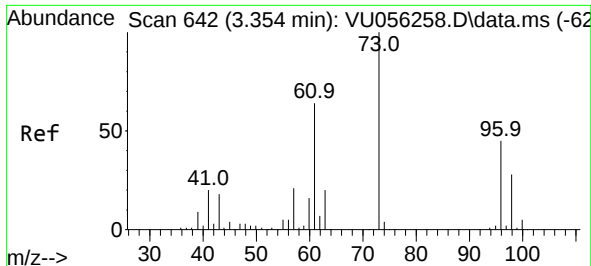
Tgt Ion: 43 Resp: 10119

Ion Ratio Lower Upper

43 100

74 0.0 20.6 31.0#





#17

Methyl tert-butyl Ether

Concen: 0.134 ug/L

RT: 3.361 min Scan# 64

Delta R.T. 0.006 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

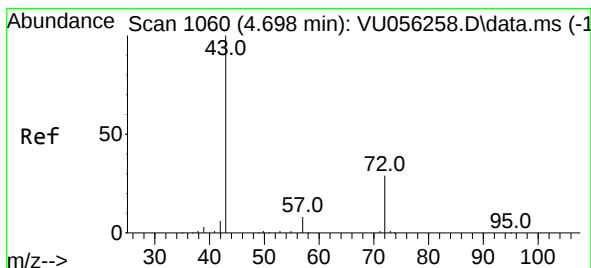
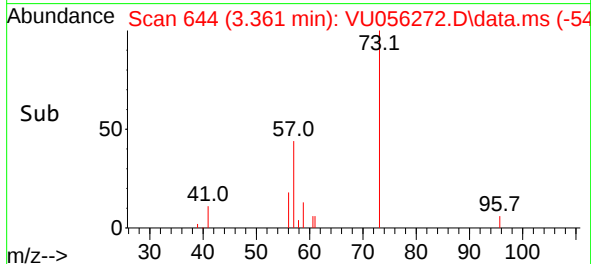
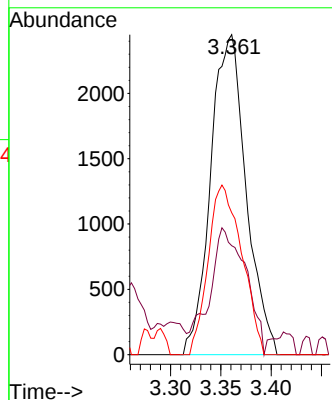
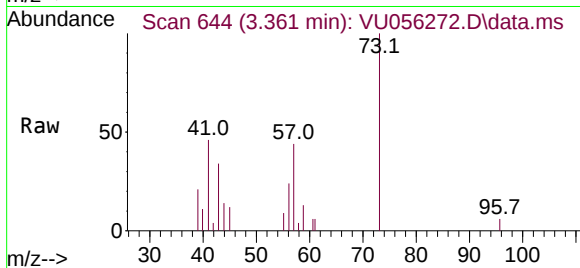
Tgt Ion: 73 Resp: 5999

Ion Ratio Lower Upper

73 100

43 41.0 15.1 22.7#

57 50.4 17.8 26.8#



#21

2-Butanone

Concen: 12.694 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.013 min

Lab File: VU056272.D

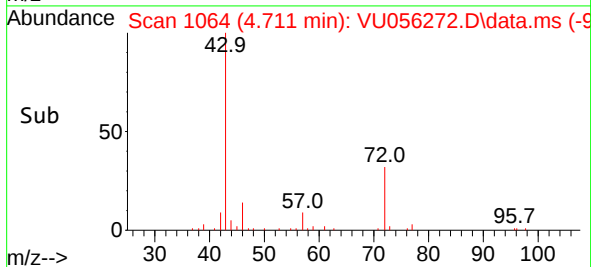
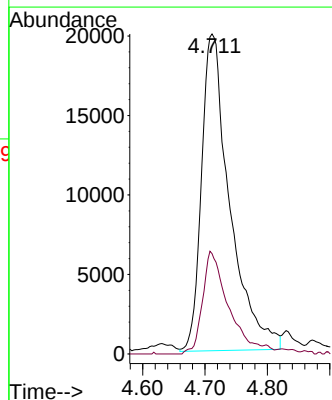
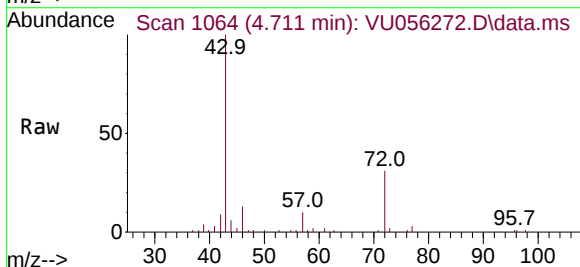
Acq: 13 Nov 2023 23:43

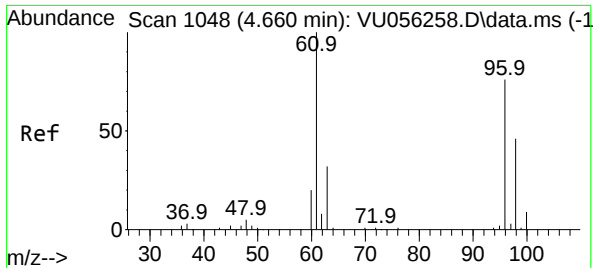
Tgt Ion: 43 Resp: 62843

Ion Ratio Lower Upper

43 100

72 29.3 14.2 42.6

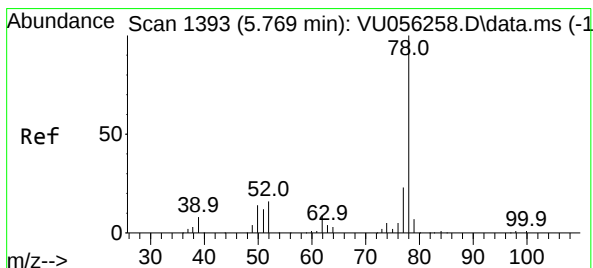
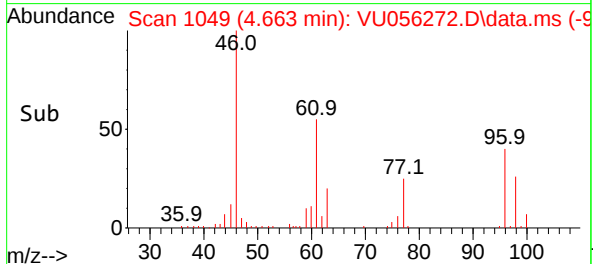
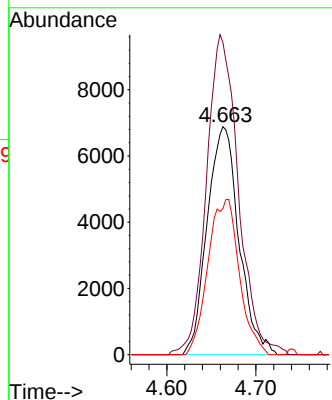
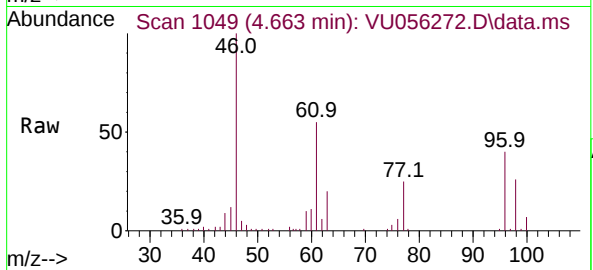




#22
 cis-1,2-Dichloroethene
 Concen: 0.795 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.003 min
 Lab File: VU056272.D
 Acq: 13 Nov 2023 23:43

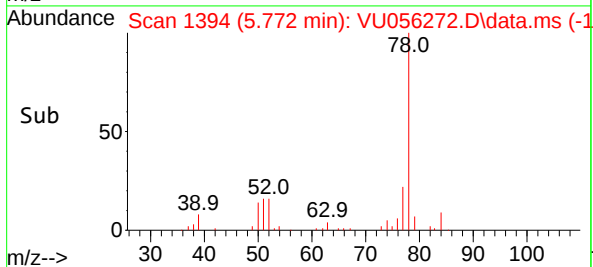
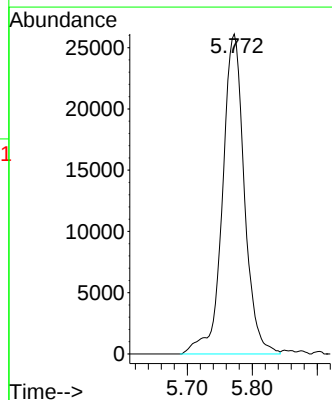
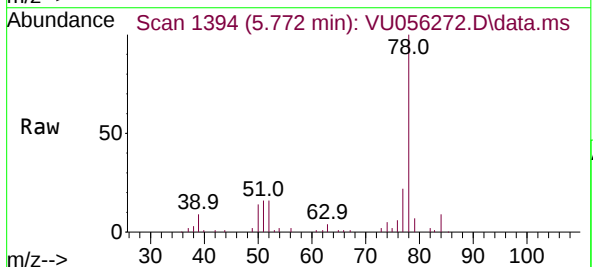
Instrument :
 MSVOA_U
 ClientSampleId :

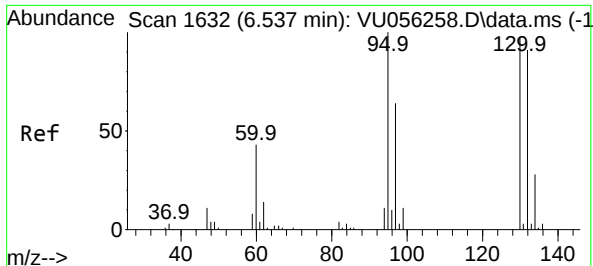
Tgt Ion: 96 Resp: 17046
 Ion Ratio Lower Upper
 96 100
 61 137.0 93.2 173.2
 98 64.1 44.8 83.2



#33
 Benzene
 Concen: 0.731 ug/L
 RT: 5.772 min Scan# 1394
 Delta R.T. 0.003 min
 Lab File: VU056272.D
 Acq: 13 Nov 2023 23:43

Tgt Ion: 78 Resp: 61128





#34

Trichloroethene

Concen: 6.597 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 150298

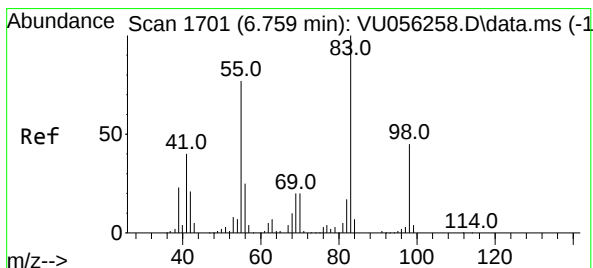
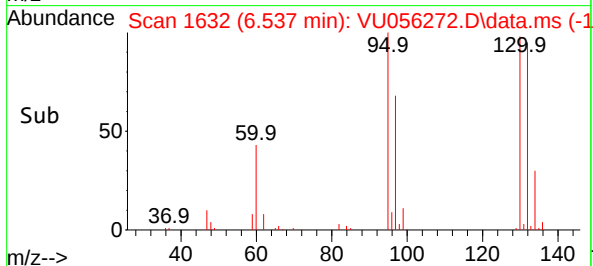
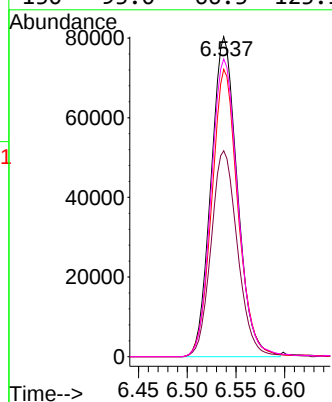
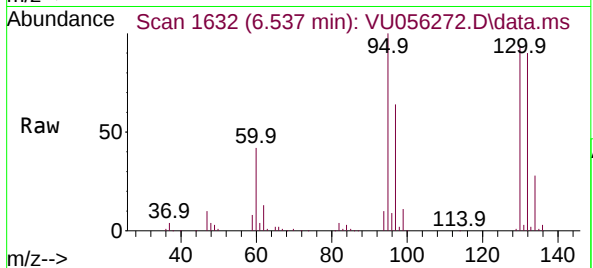
Ion Ratio Lower Upper

95 100

97 64.3 46.5 86.3

132 89.8 62.0 115.2

130 93.0 66.3 123.1



#35

Methylcyclohexane

Concen: 0.684 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

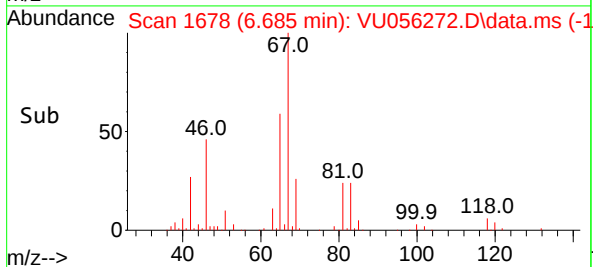
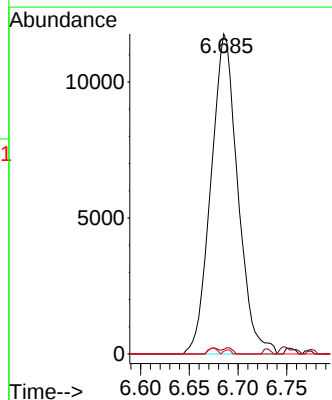
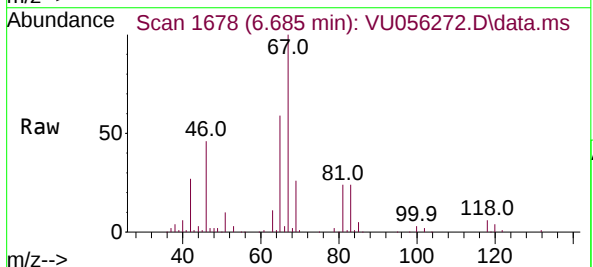
Tgt Ion: 83 Resp: 22497

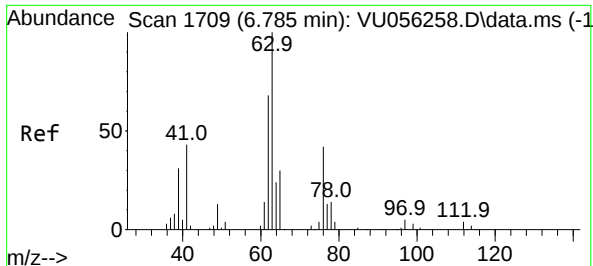
Ion Ratio Lower Upper

83 100

55 0.6 62.9 94.3#

98 0.0 35.3 52.9#

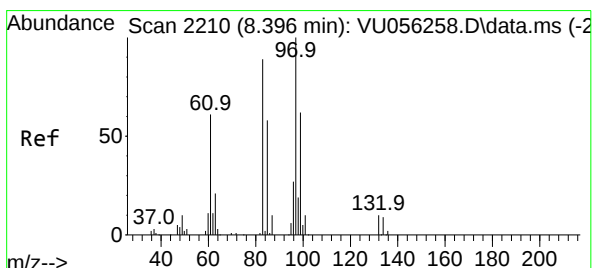
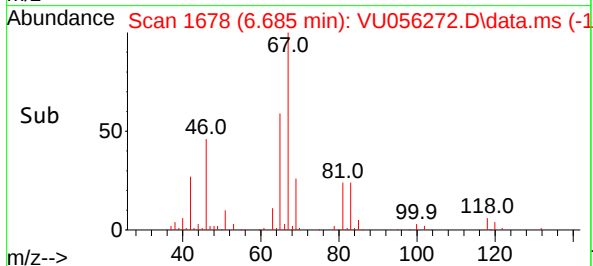
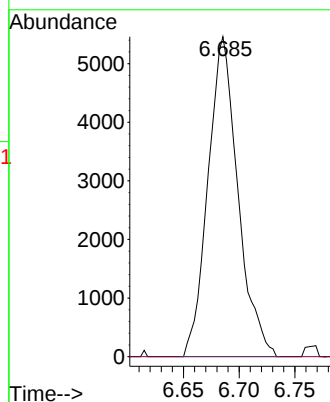
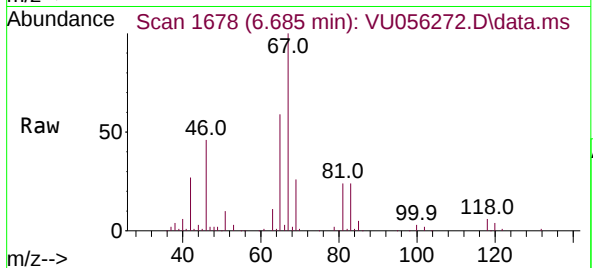




#37
1,2-Dichloropropane
Concen: 0.468 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

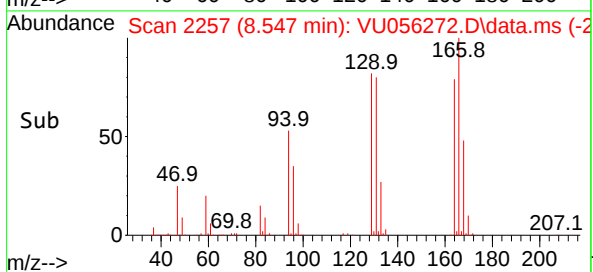
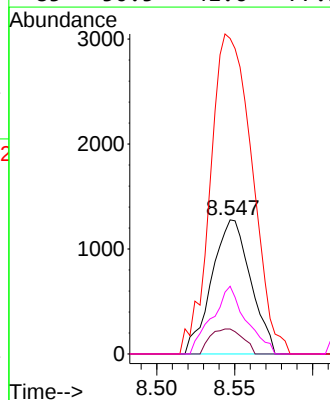
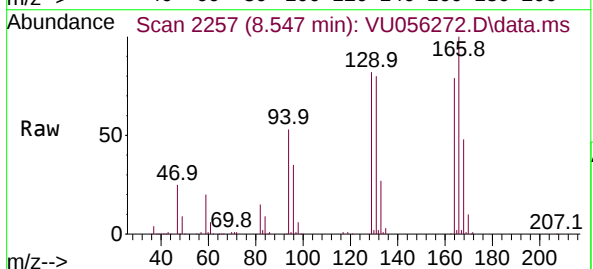
Instrument :
MSVOA_U
ClientSampleId :

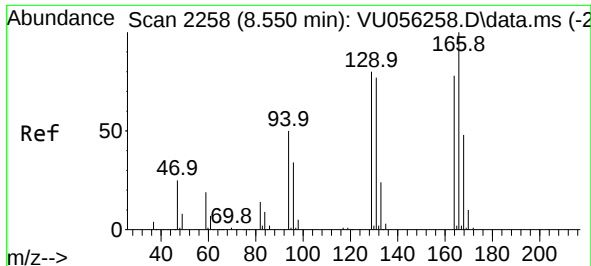
Tgt Ion: 63 Resp: 10214
Ion Ratio Lower Upper
63 100
112 0.2 3.2 4.8#



#45
1,1,2-Trichloroethane
Concen: 0.152 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.151 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

Tgt Ion: 97 Resp: 2210
Ion Ratio Lower Upper
97 100
99 18.6 44.3 82.3#
83 235.3 65.4 121.4#
85 50.5 41.6 77.3





#47

Tetrachloroethene

Concen: 13.847 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 212747

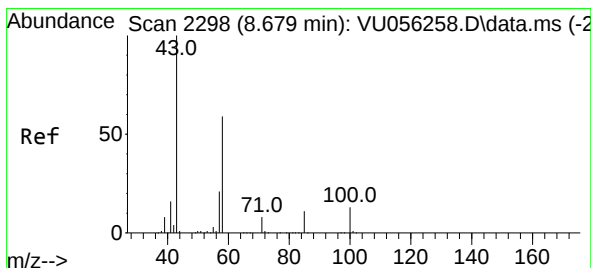
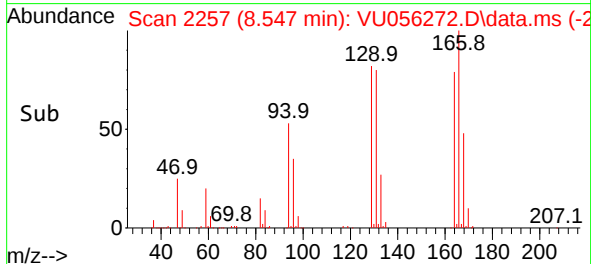
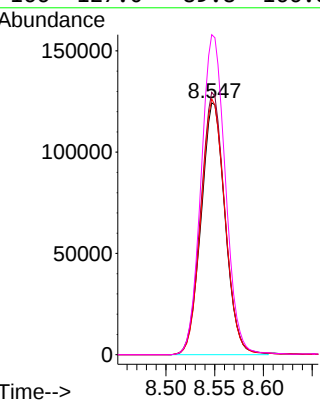
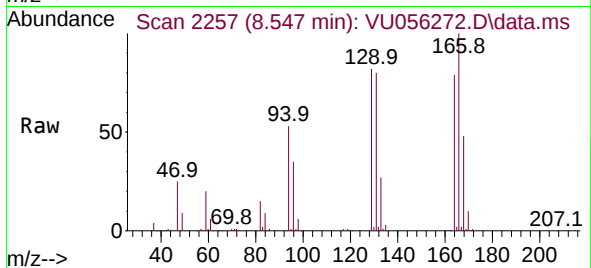
Ion Ratio Lower Upper

164 100

129 104.2 71.0 131.9

131 101.5 70.3 130.7

166 127.0 89.8 166.8



#48

2-Hexanone

Concen: 1.949 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.006 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

Tgt Ion: 43 Resp: 16417

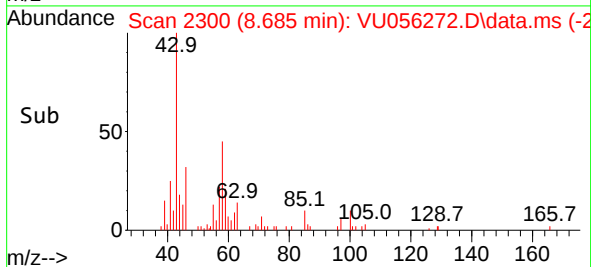
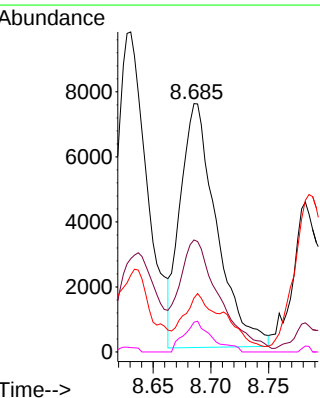
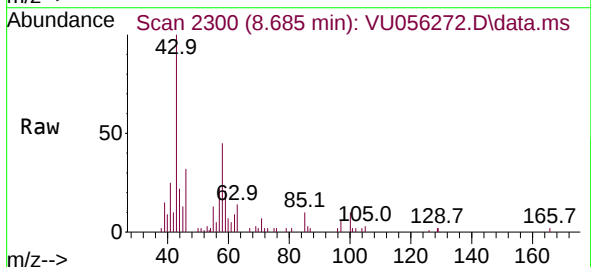
Ion Ratio Lower Upper

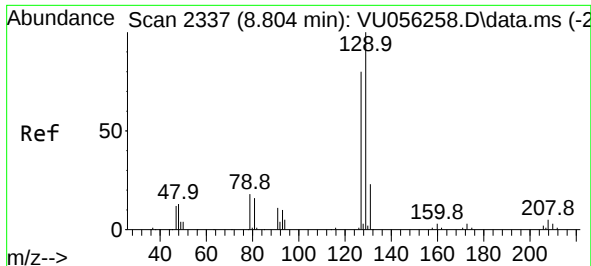
43 100

58 50.8 48.7 73.1

57 25.8 16.8 25.2#

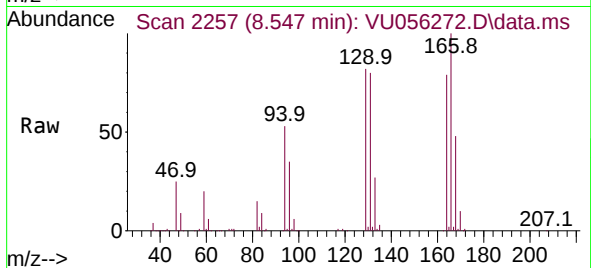
100 9.7 9.9 14.9#



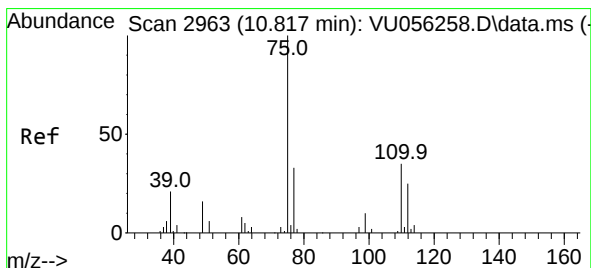
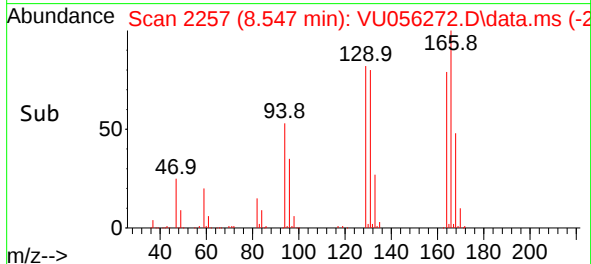
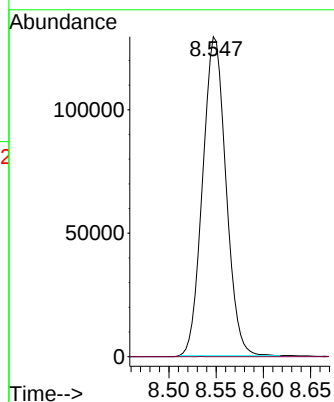


#49
Dibromochloromethane
Concen: 13.433 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

Instrument :
MSVOA_U
ClientSampleId :

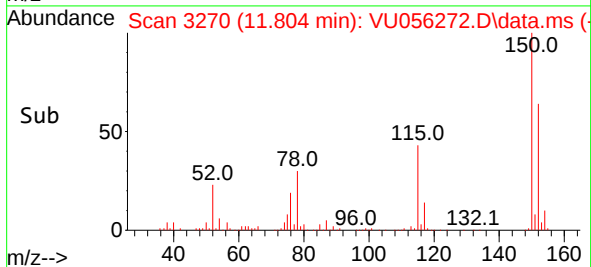
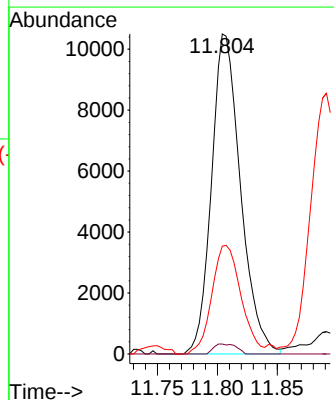
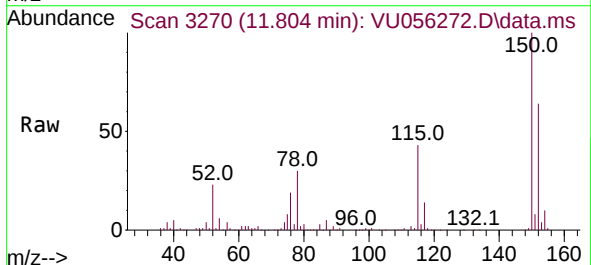


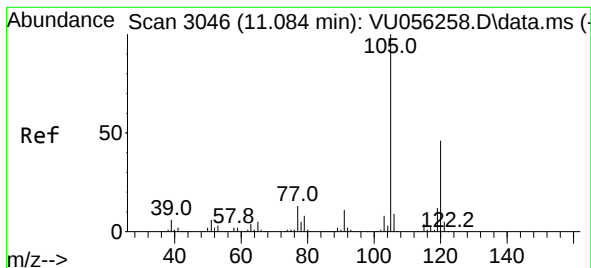
Tgt Ion:129 Resp: 221861
Ion Ratio Lower Upper
129 100
127 0.0 52.9 98.3#



#61
1,2,3-Trichloropropane
Concen: 1.493 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.987 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

Tgt Ion: 75 Resp: 17661
Ion Ratio Lower Upper
75 100
110 2.4 30.4 45.6#
77 34.1 27.0 40.6

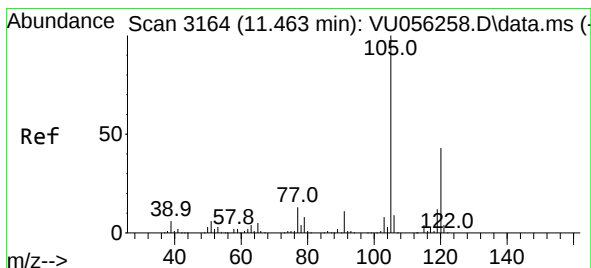
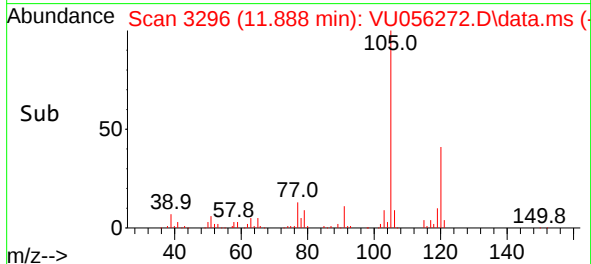
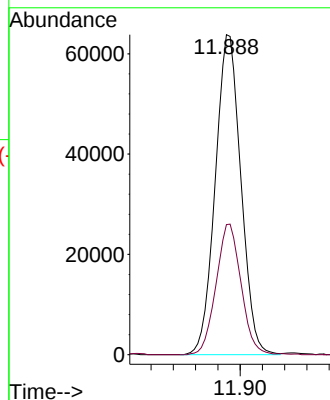
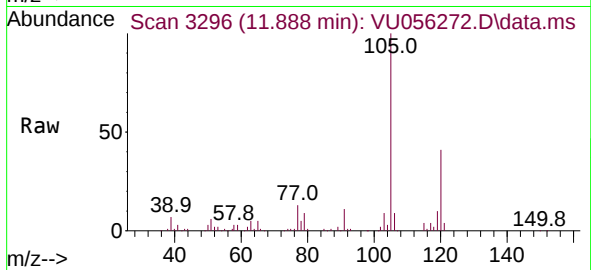




#62
1,3,5-Trimethylbenzene
Concen: 1.396 ug/L
RT: 11.888 min Scan# 31
Delta R.T. 0.804 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

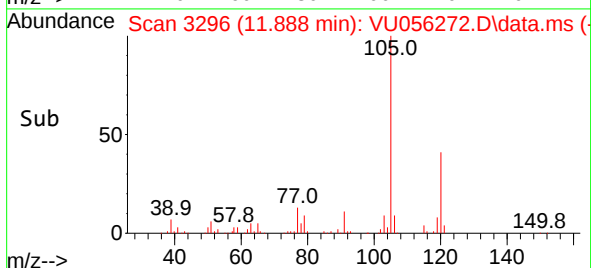
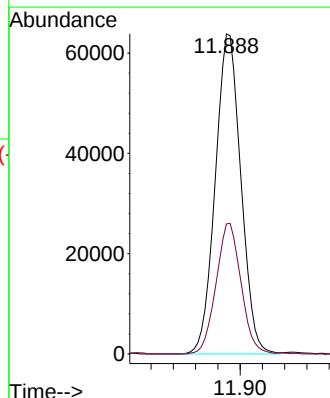
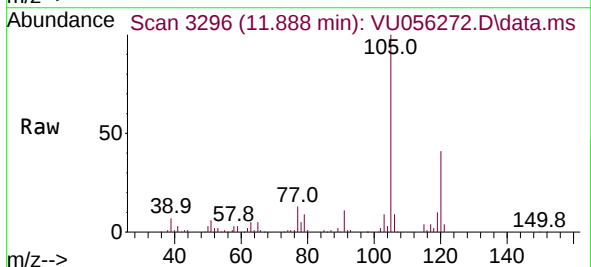
Instrument :
MSVOA_U
ClientSampleId :

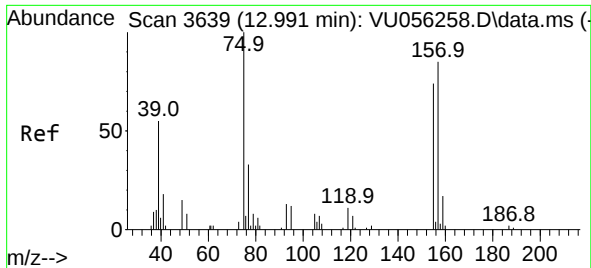
Tgt Ion:105 Resp: 101892
Ion Ratio Lower Upper
105 100
120 39.7 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 1.414 ug/L
RT: 11.888 min Scan# 3296
Delta R.T. 0.424 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

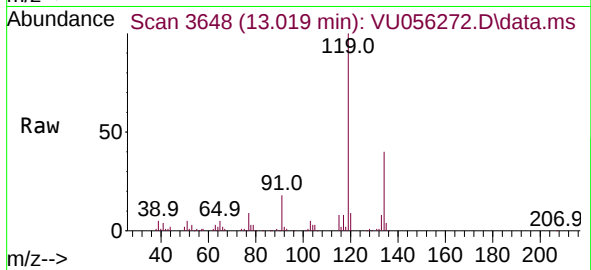
Tgt Ion:105 Resp: 101892
Ion Ratio Lower Upper
105 100
120 39.7 34.0 51.0





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.245 ug/L
 RT: 13.019 min Scan# 3648
 Delta R.T. 0.029 min
 Lab File: VU056272.D
 Acq: 13 Nov 2023 23:43

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 618
 Ion Ratio Lower Upper
 75 100
 155 0.0 62.4 93.6#
 157 0.0 80.2 120.2#

