

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092023\
 Data File : VU055422.D
 Acq On : 20 Sep 2023 13:56
 Operator : MD/SY
 Sample : 04398-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 00:29:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 21 00:26:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	238152	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	244119	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	113286	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	112160	4.660	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.200%
7) Chloroethane-d5	1.911	69	98078	4.624	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.563	65	46528	4.696	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.000%
20) 2-Butanone-d5	4.628	46	236736	54.453	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.900%
24) Chloroform-d	5.058	84	219574	5.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.698	65	114657	5.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.400%
32) Benzene-d6	5.724	84	440177	5.155	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
36) 1,2-Dichloropropane-d6	6.689	67	134302	5.264	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.200%
41) Toluene-d8	7.894	98	386304	4.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
43) trans-1,3-Dichloroprop...	8.177	79	46575	5.202	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.000%
46) 2-Hexanone-d5	8.631	63	124439	45.694	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.380%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	96588	5.052	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	126772	5.544	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.800%
Target Compounds						
5) Vinyl chloride	1.602	62	178523	8.113	ug/L	99
12) 1,1-Dichloroethene	2.576	96	85407	5.129	ug/L	92
17) Methyl tert-butyl Ether	3.357	73	24858	0.688	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	9801	0.584	ug/L	94
19) 1,1-Dichloroethane	3.865	63	42344	1.364	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	1234532	63.446	ug/L	99
25) Chloroform	5.084	83	16505	0.502	ug/L	91
27) 1,2-Dichloroethane	5.791	62	9725	0.483	ug/L #	94
31) Carbon tetrachloride	5.521	117	7647	0.321	ug/L	96
34) Trichloroethene	6.537	95	1270582	63.930	ug/L	97
35) Methylcyclohexane	6.689	83	31820	1.111	ug/L #	22
37) 1,2-Dichloropropane	6.689	63	15119	0.823	ug/L #	88
39) cis-1,3-Dichloropropene	7.563	75	3991	0.163	ug/L #	70
47) Tetrachloroethene	8.550	164	14127	0.991	ug/L	93
48) 2-Hexanone	8.679	43	37660	5.830	ug/L #	81
49) Dibromochloromethane	8.550	129	14081	1.043	ug/L #	9
51) Chlorobenzene	9.447	112	6762	0.141	ug/L	91
61) 1,2,3-Trichloropropane	11.807	75	15546	1.758	ug/L #	68

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QLast Update : Thu Sep 21 00:26:15 2023
Response via : Initial Calibration

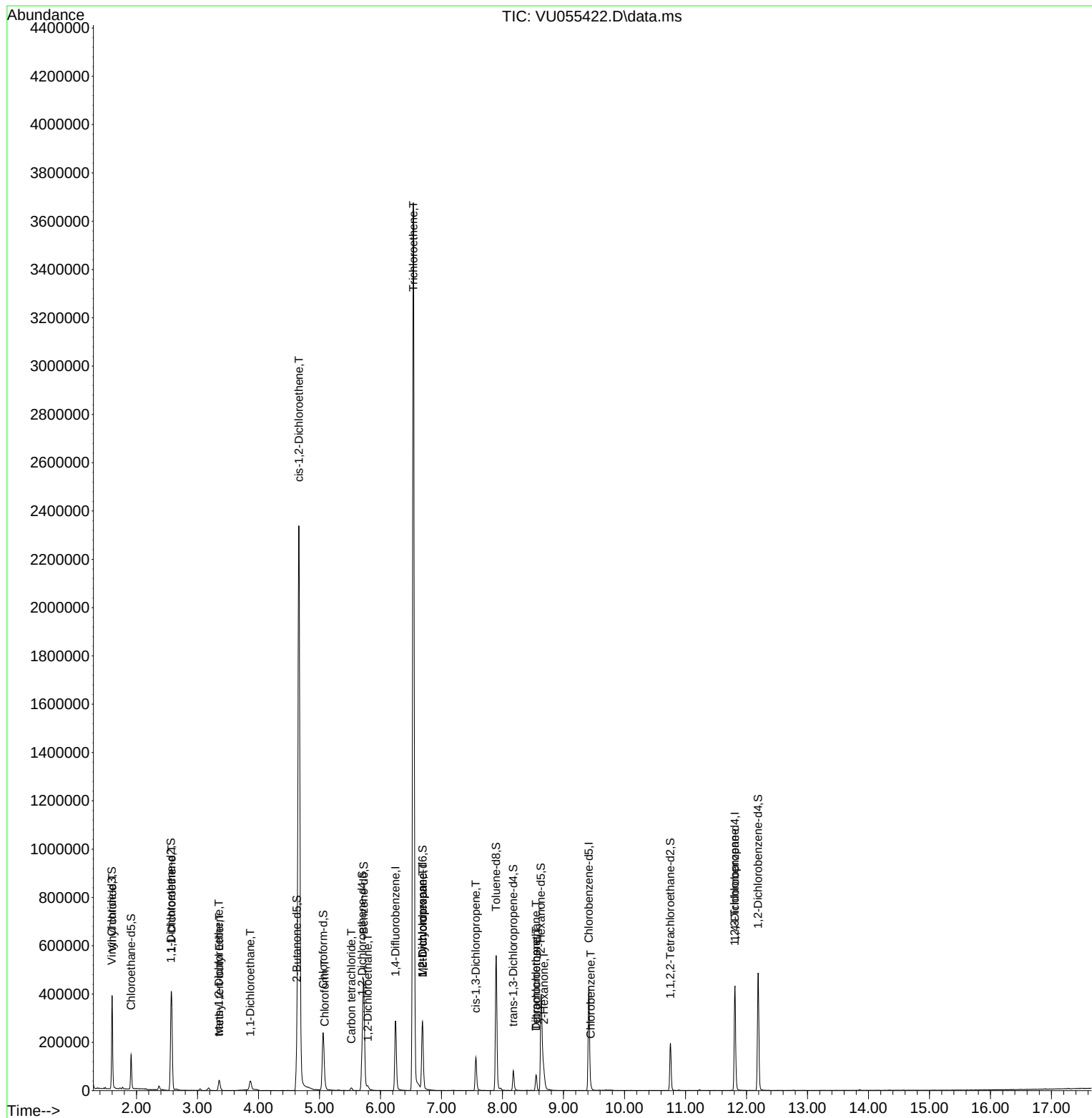
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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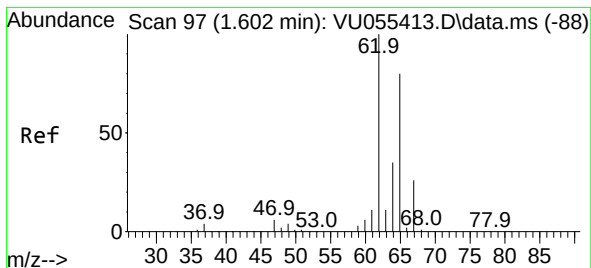
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.113 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055422.D

Acq: 20 Sep 2023 13:56

Instrument :

MSVOA_U

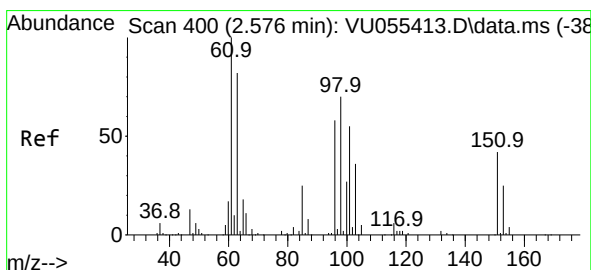
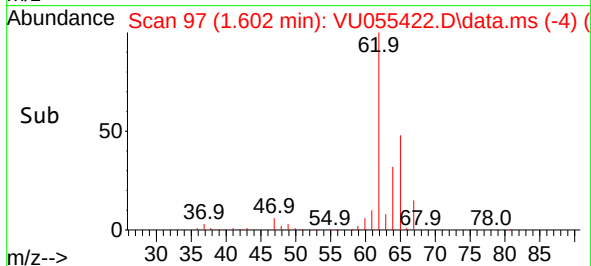
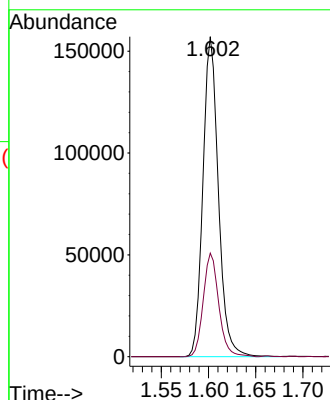
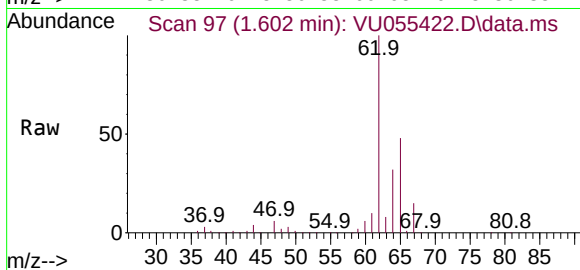
ClientSampleId :

Tgt Ion: 62 Resp: 178523

Ion Ratio Lower Upper

62 100

64 32.3 22.3 41.5



#12

1,1-Dichloroethene

Concen: 5.129 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055422.D

Acq: 20 Sep 2023 13:56

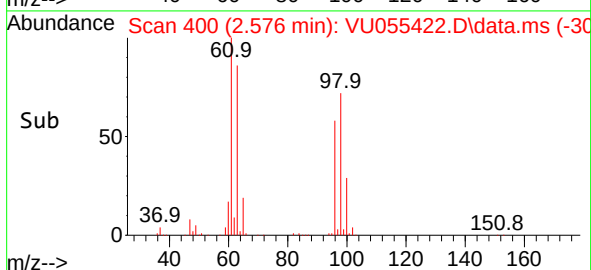
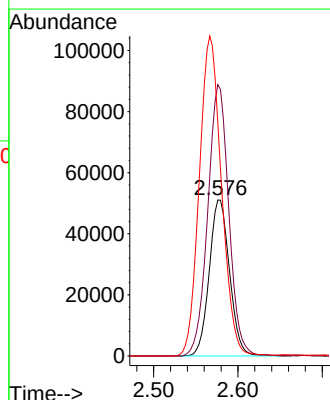
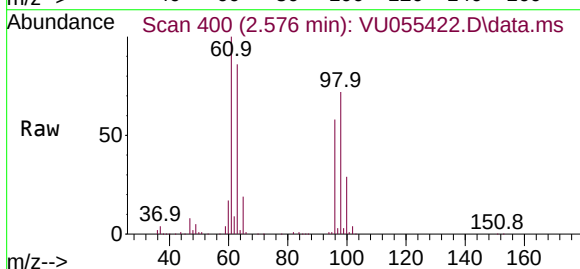
Tgt Ion: 96 Resp: 85407

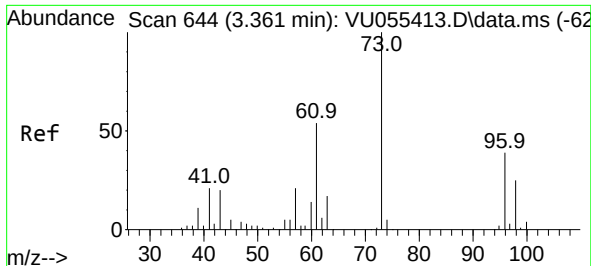
Ion Ratio Lower Upper

96 100

61 173.8 114.5 212.7

63 149.5 98.3 182.5

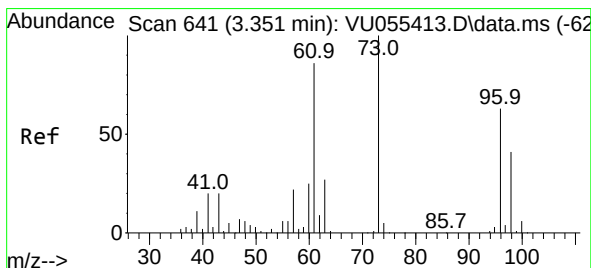
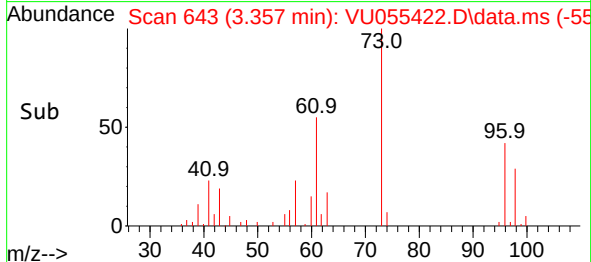
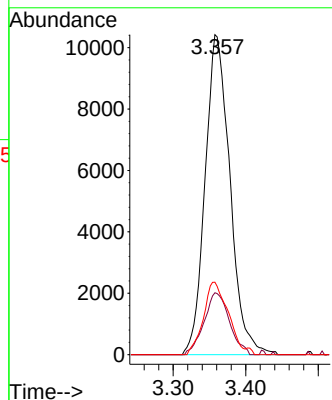
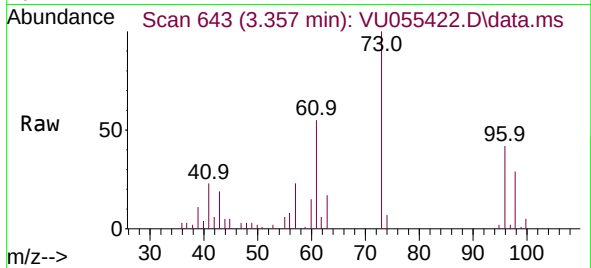




#17
Methyl tert-butyl Ether
Concen: 0.688 ug/L
RT: 3.357 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

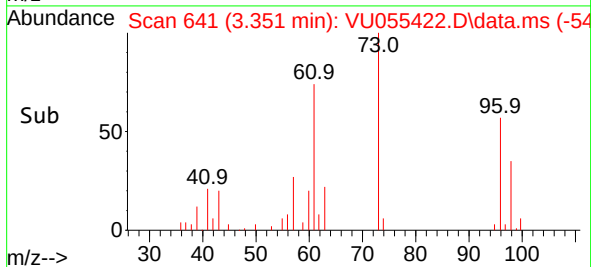
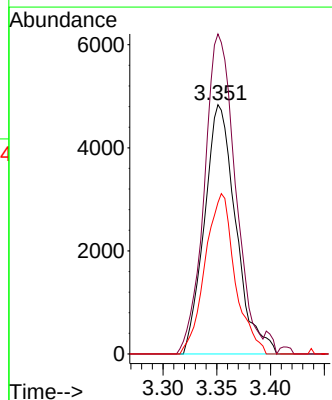
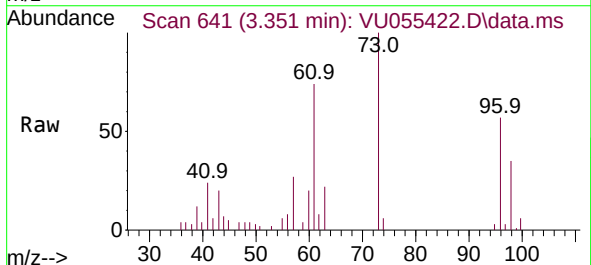
Instrument :
MSVOA_U
ClientSampleId :

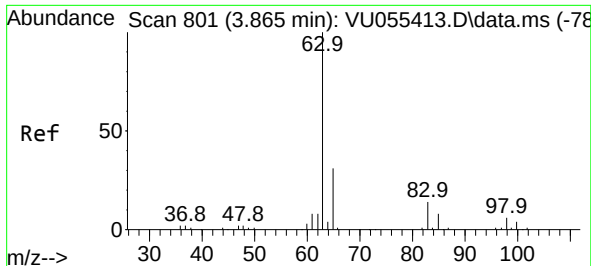
Tgt Ion: 73	Resp: 24858
Ion Ratio	Lower Upper
73 100	
43 19.7	14.9 22.3
57 22.3	17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 0.584 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

Tgt Ion: 96	Resp: 9801
Ion Ratio	Lower Upper
96 100	
61 128.4	94.6 175.6
98 60.8	45.7 84.9

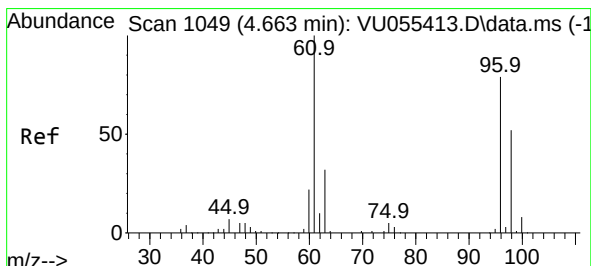
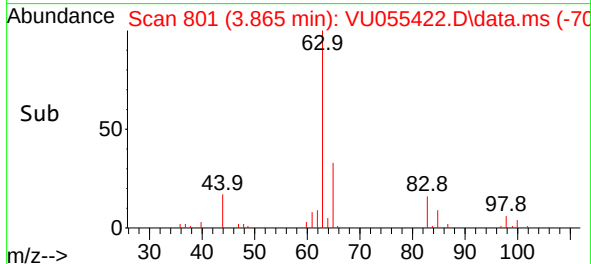
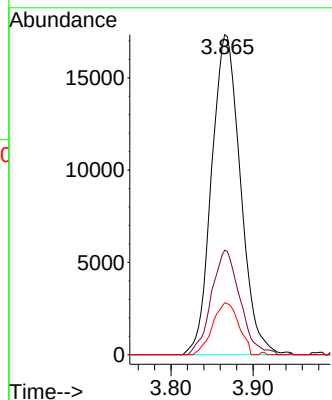
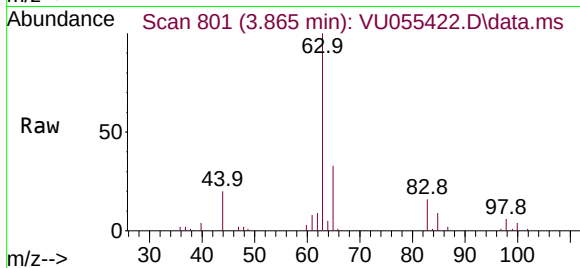




#19
1,1-Dichloroethane
Concen: 1.364 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

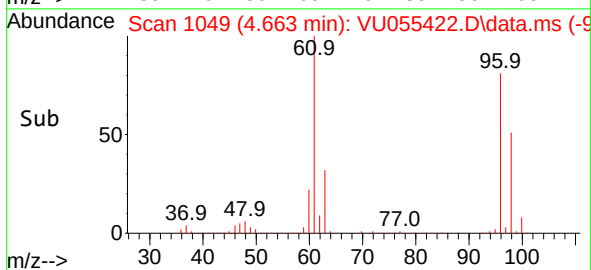
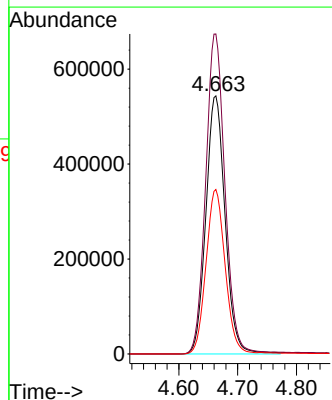
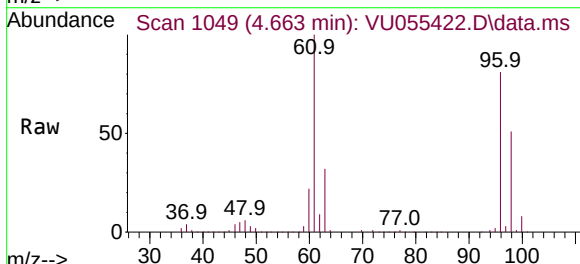
Instrument :
MSVOA_U
ClientSampleId :

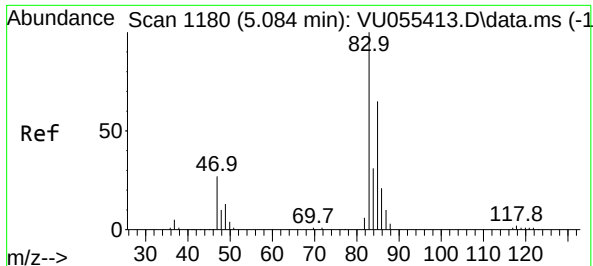
Tgt Ion: 63 Resp: 42344
Ion Ratio Lower Upper
63 100
65 33.5 22.0 41.0
83 16.2 10.1 18.9



#22
cis-1,2-Dichloroethene
Concen: 63.446 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

Tgt Ion: 96 Resp: 1234532
Ion Ratio Lower Upper
96 100
61 124.0 87.8 163.2
98 63.7 44.4 82.4





#25

Chloroform

Concen: 0.502 ug/L

RT: 5.084 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU055422.D

Acq: 20 Sep 2023 13:56

Instrument :

MSVOA_U

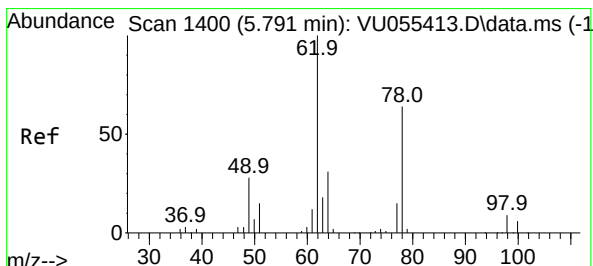
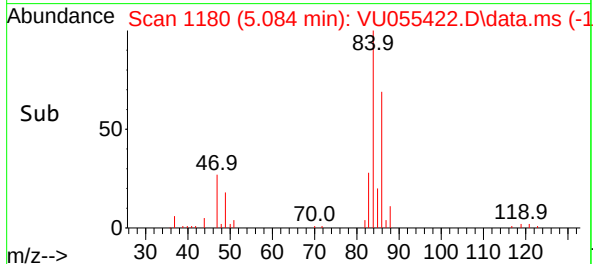
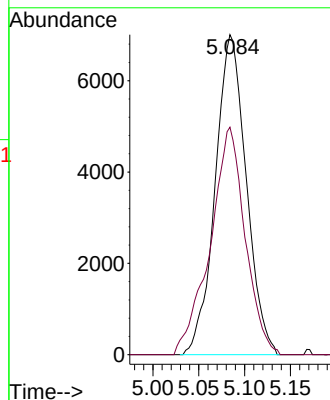
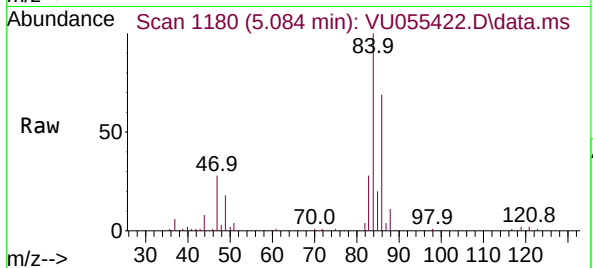
ClientSampleId :

Tgt Ion: 83 Resp: 16505

Ion Ratio Lower Upper

83 100

85 71.1 44.9 83.5



#27

1,2-Dichloroethane

Concen: 0.483 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055422.D

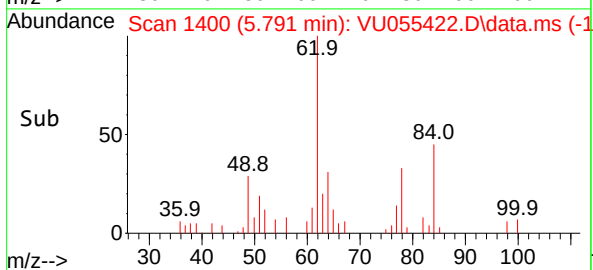
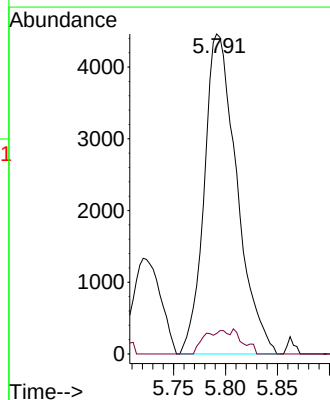
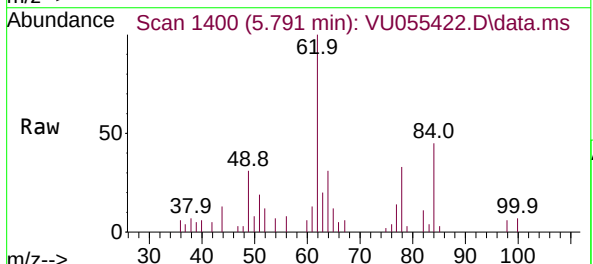
Acq: 20 Sep 2023 13:56

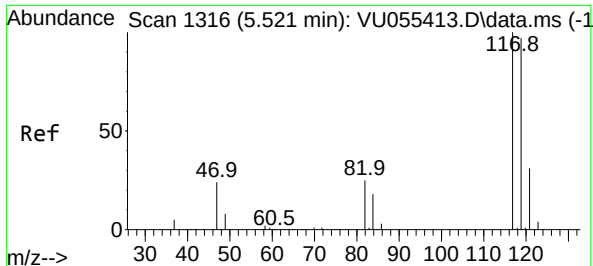
Tgt Ion: 62 Resp: 9725

Ion Ratio Lower Upper

62 100

98 6.4 7.0 10.4#

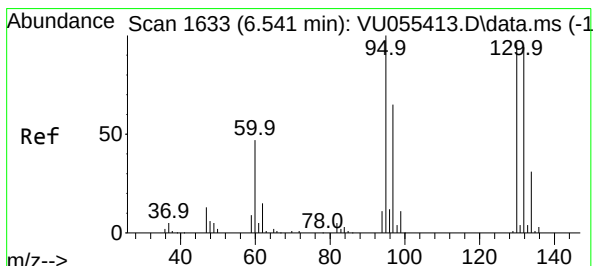
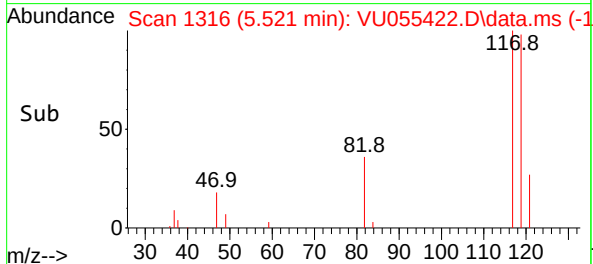
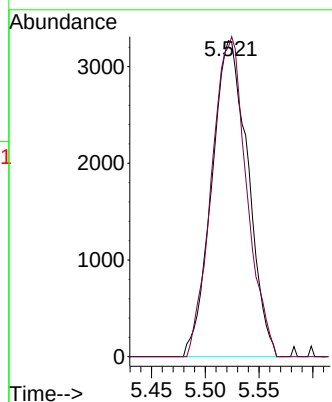
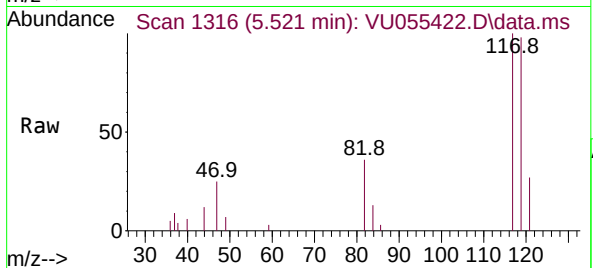




#31
Carbon tetrachloride
Concen: 0.321 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

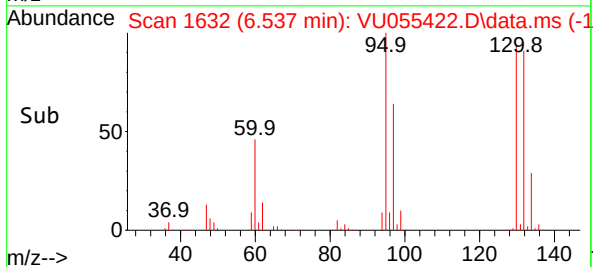
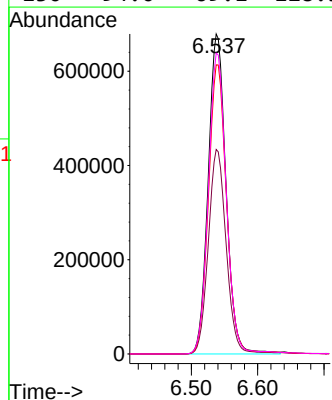
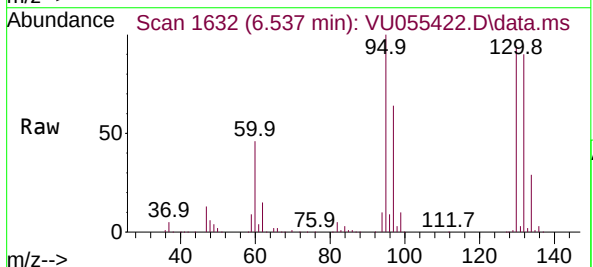
Instrument :
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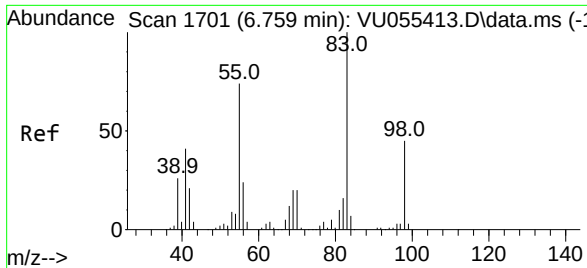
Tgt Ion:117 Resp: 7647
Ion Ratio Lower Upper
117 100
119 97.7 75.2 112.8



#34
Trichloroethene
Concen: 63.930 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055422.D
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Tgt Ion: 95 Resp: 1270582
Ion Ratio Lower Upper
95 100
97 63.9 45.4 84.2
132 90.4 65.2 121.2
130 94.0 69.1 128.3

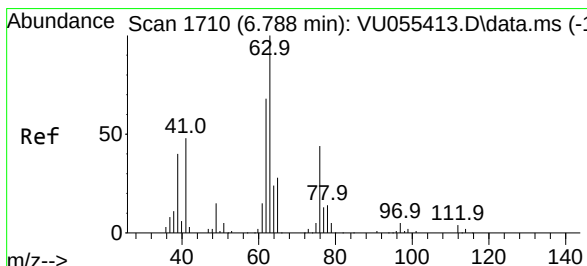
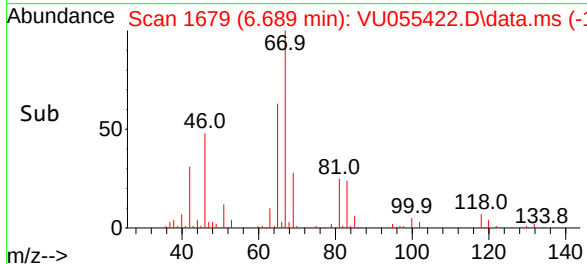
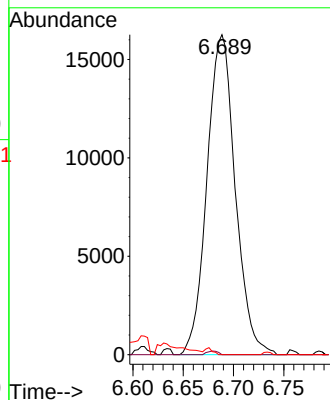
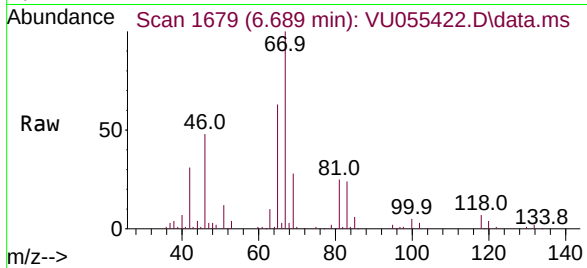




#35
Methylcyclohexane
Concen: 1.111 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

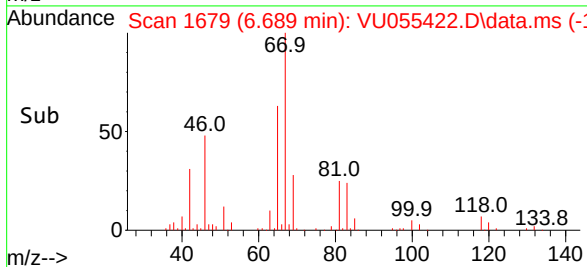
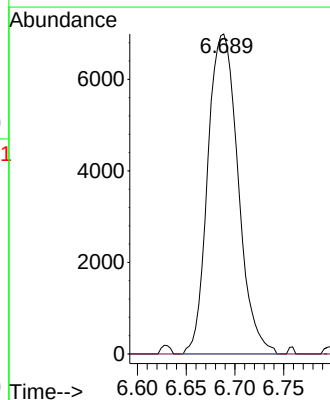
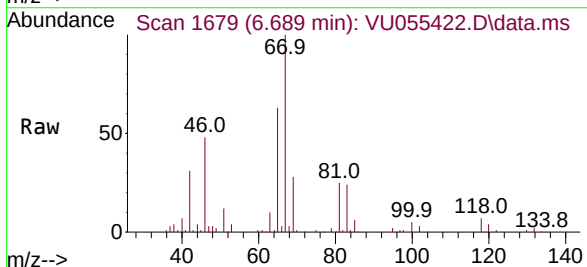
Instrument :
MSVOA_U
ClientSampleId :

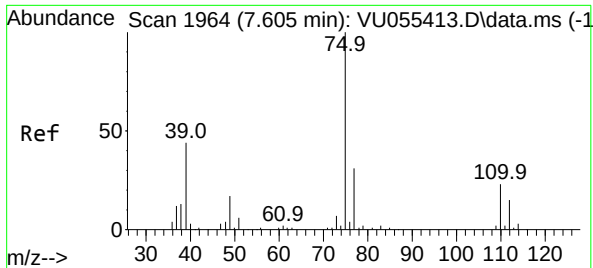
Tgt Ion: 83 Resp: 31820
Ion Ratio Lower Upper
83 100
55 0.4 59.1 88.7#
98 3.2 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.823 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

Tgt Ion: 63 Resp: 15119
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.163 ug/L

RT: 7.563 min Scan# 1964

Delta R.T. -0.042 min

Lab File: VU055422.D

Acq: 20 Sep 2023 13:56

Instrument :

MSVOA_U

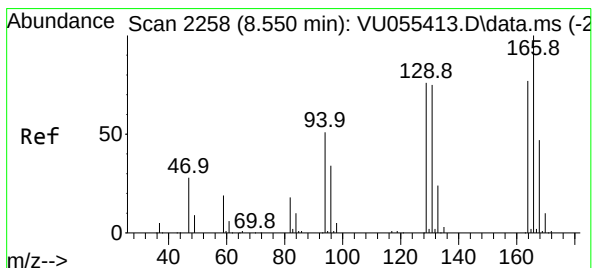
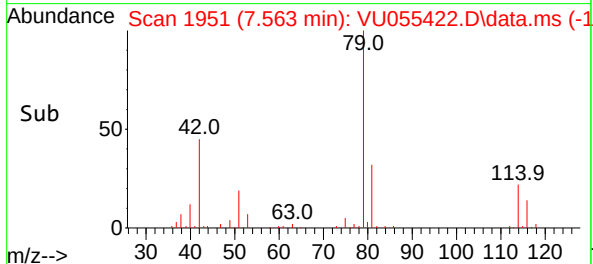
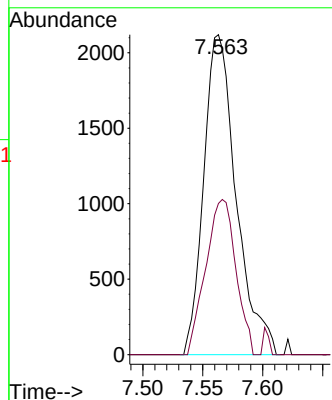
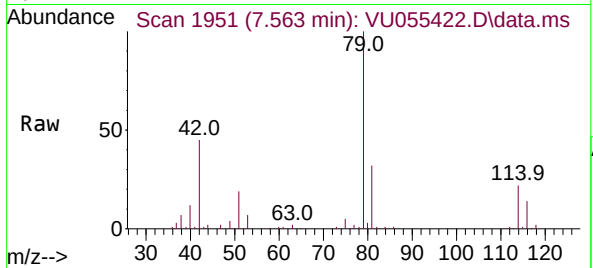
ClientSampleId :

Tgt Ion: 75 Resp: 3991

Ion Ratio Lower Upper

75 100

77 47.3 21.6 40.2#



#47

Tetrachloroethene

Concen: 0.991 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055422.D

Acq: 20 Sep 2023 13:56

Tgt Ion: 164 Resp: 14127

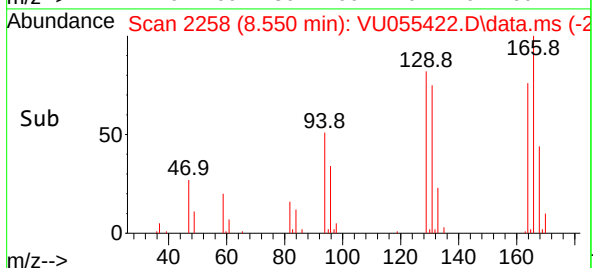
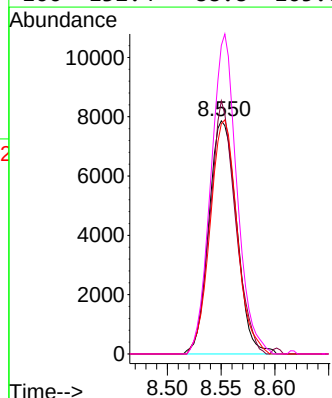
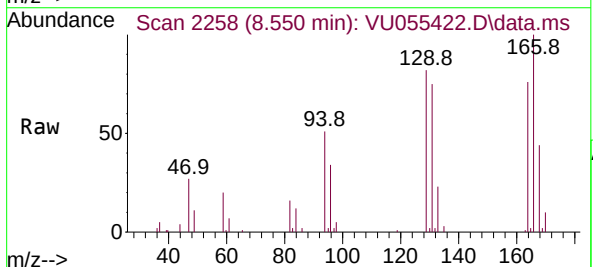
Ion Ratio Lower Upper

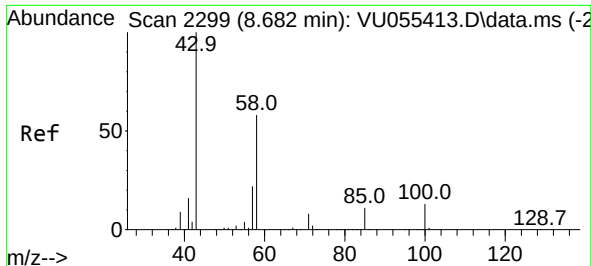
164 100

129 108.6 67.4 125.2

131 98.8 66.4 123.2

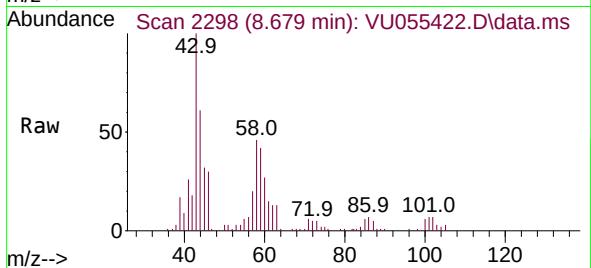
166 132.4 88.8 165.0



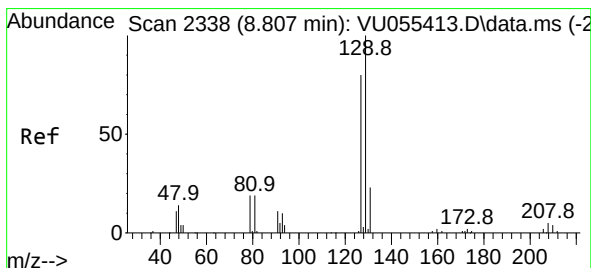
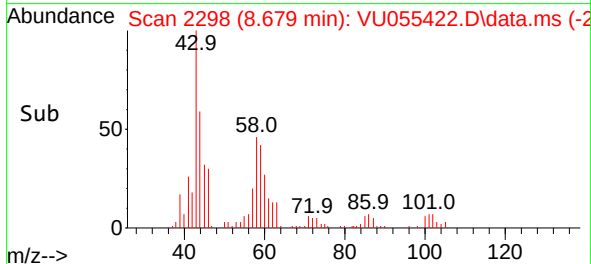
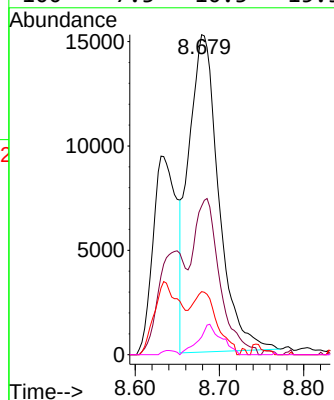


#48
2-Hexanone
Concen: 5.830 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

Instrument :
MSVOA_U
ClientSampleId :

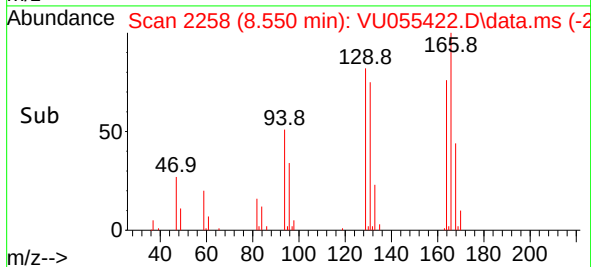
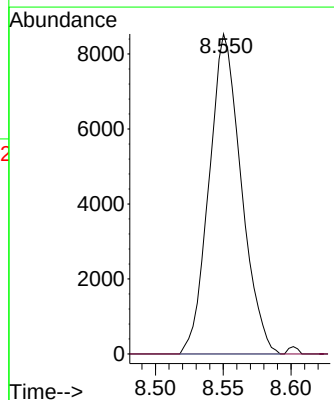
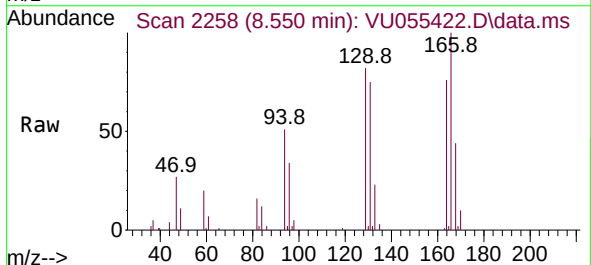


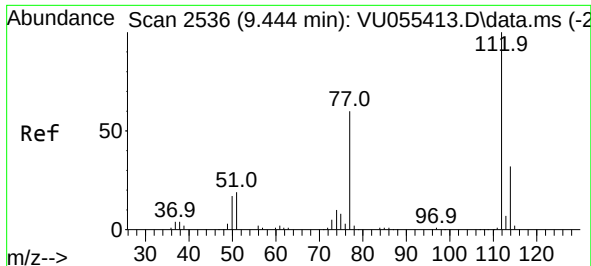
Tgt Ion: 43 Resp: 37660
Ion Ratio Lower Upper
43 100
58 42.7 48.5 72.7#
57 16.3 17.0 25.4#
100 7.3 10.3 15.5#



#49
Dibromochloromethane
Concen: 1.043 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

Tgt Ion:129 Resp: 14081
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#

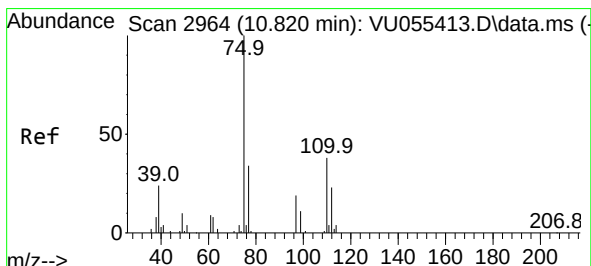
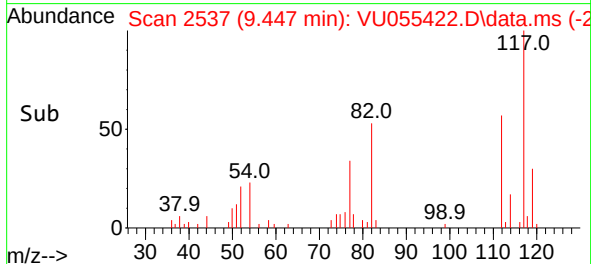
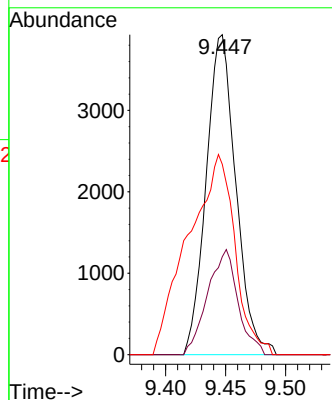
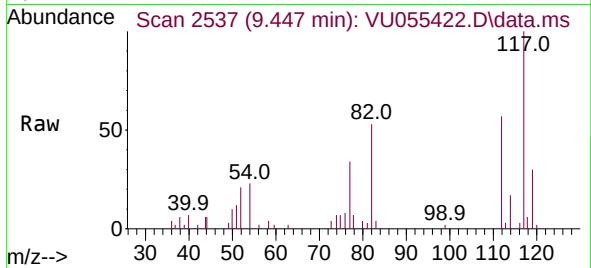




#51
Chlorobenzene
Concen: 0.141 ug/L
RT: 9.447 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:112 Resp: 6762
Ion Ratio Lower Upper
112 100
114 29.1 22.0 40.8
77 67.6 46.9 70.3



#61
1,2,3-Trichloropropane
Concen: 1.758 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.987 min
Lab File: VU055422.D
Acq: 20 Sep 2023 13:56

Tgt Ion: 75 Resp: 15546
Ion Ratio Lower Upper
75 100
110 3.1 30.6 45.8#
77 32.3 26.7 40.1

