

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055271.D
 Acq On : 13 Sep 2023 04:39
 Operator : MD/SY
 Sample : 04350-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 13 05:37:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 05:34:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	170418	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	184414	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	79660	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27146	3.399	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.000%
7) Chloroethane-d5	1.907	69	42563	4.604	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.563	65	15127	3.324	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	4.624	46	134409	57.989	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.980%
24) Chloroform-d	5.058	84	99874	4.712	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.702	65	52900	4.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.724	84	181203	3.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
36) 1,2-Dichloropropane-d6	6.689	67	64130	4.429	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.898	98	159818	3.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.200%
43) trans-1,3-Dichloroprop...	8.177	79	14558	3.651	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.000%
46) 2-Hexanone-d5	8.631	63	75265	46.497	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	46527	4.569	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	53943	4.639	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	1581	0.160	ug/L	96
3) Chloromethane	1.515	50	2110	0.209	ug/L	91
5) Vinyl chloride	1.602	62	54977	5.169	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	2522	0.280	ug/L #	74
12) 1,1-Dichloroethene	2.576	96	190278	24.151	ug/L #	75
17) Methyl tert-butyl Ether	3.361	73	26967	1.305	ug/L	97
18) trans-1,2-Dichloroethene	3.354	96	7270	0.909	ug/L	88
19) 1,1-Dichloroethane	3.866	63	71579	4.144	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	4800816	490.632	ug/L	92
25) Chloroform	5.087	83	43783	2.433	ug/L	96
27) 1,2-Dichloroethane	5.795	62	27992	2.549	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	4626	0.290	ug/L #	80
34) Trichloroethene	6.537	95	2811363	257.735	ug/L	97
35) Methylcyclohexane	6.689	83	15008	0.981	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	7285	0.682	ug/L #	88
45) 1,1,2-Trichloroethane	8.399	97	1086	0.151	ug/L #	83
47) Tetrachloroethene	8.550	164	23751	3.150	ug/L	95
48) 2-Hexanone	8.682	43	21539	4.511	ug/L #	83
49) Dibromochloromethane	8.550	129	24497	3.118	ug/L #	9

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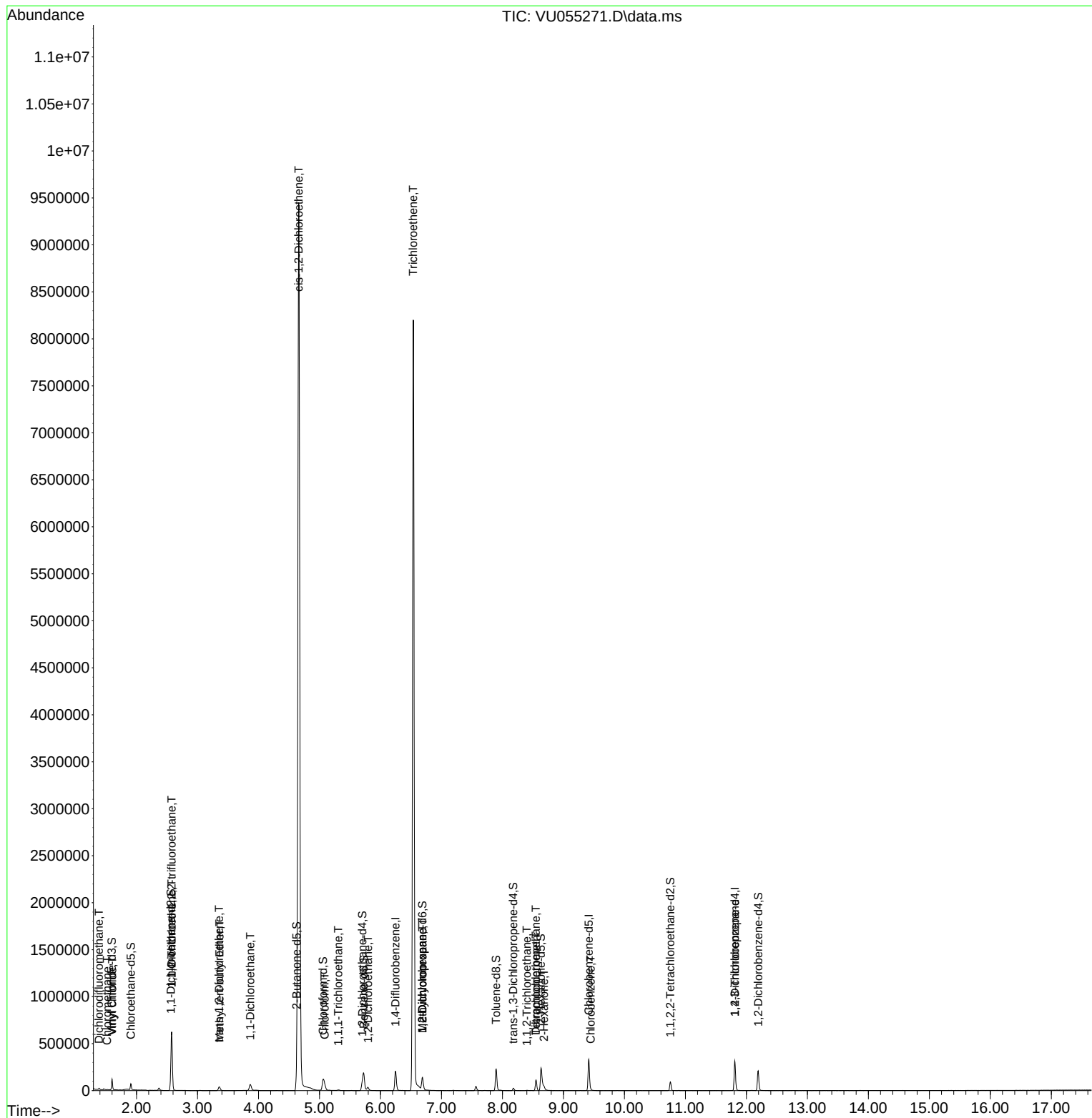
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.447	112	5204	0.188	ug/L	98
61) 1,2,3-Trichloropropane	11.811	75	12129	2.294	ug/L #	68

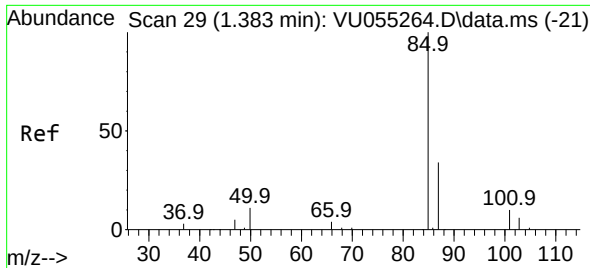
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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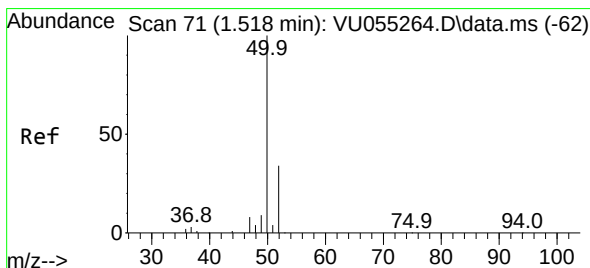
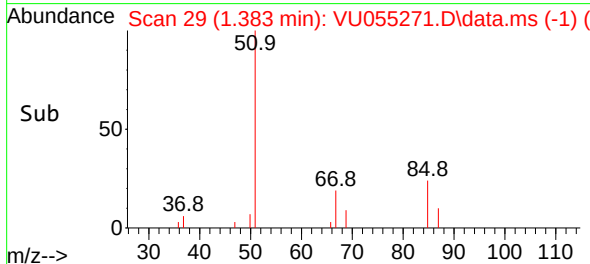
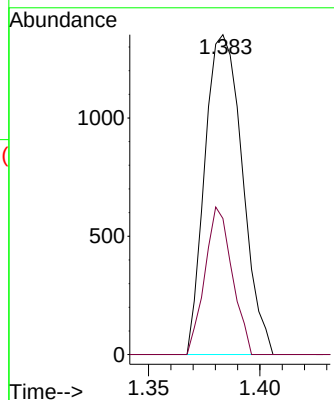
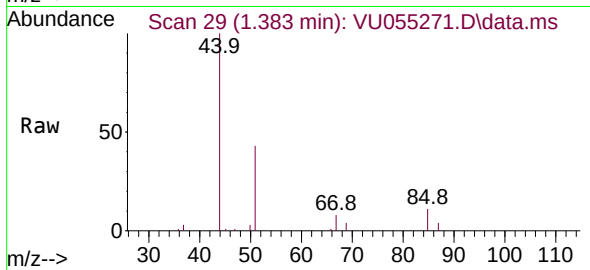




#2
 Dichlorodifluoromethane
 Concen: 0.160 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055271.D
 Acq: 13 Sep 2023 04:39

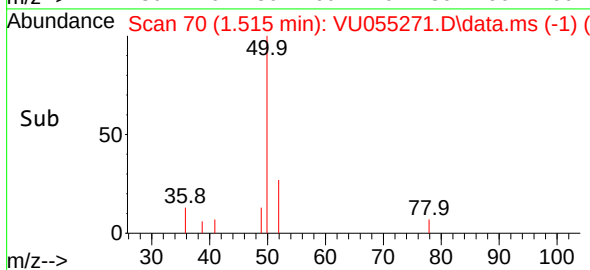
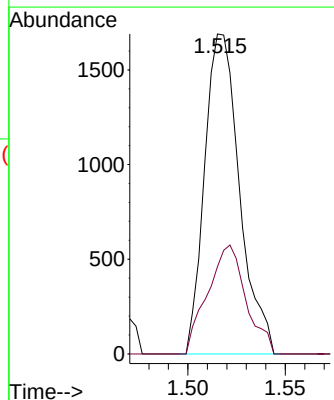
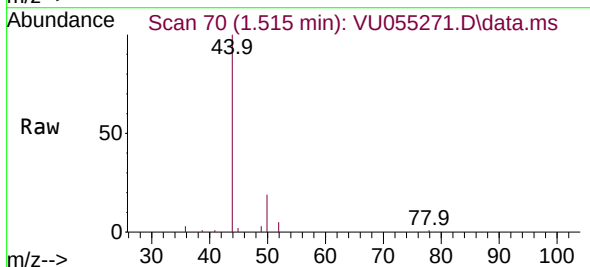
Instrument :
 MSVOA_U
 ClientSampleId :

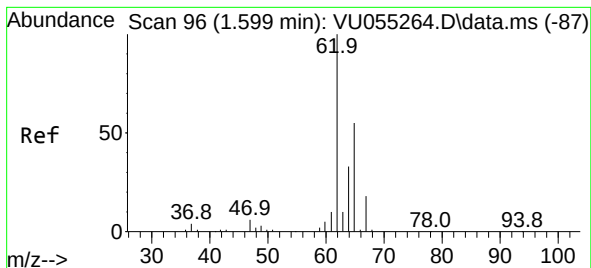
Tgt Ion: 85 Resp: 1581
 Ion Ratio Lower Upper
 85 100
 87 33.6 25.1 37.7



#3
 Chloromethane
 Concen: 0.209 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU055271.D
 Acq: 13 Sep 2023 04:39

Tgt Ion: 50 Resp: 2110
 Ion Ratio Lower Upper
 50 100
 52 27.3 22.5 41.7





#5

Vinyl chloride

Concen: 5.169 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU055271.D

Acq: 13 Sep 2023 04:39

Instrument :

MSVOA_U

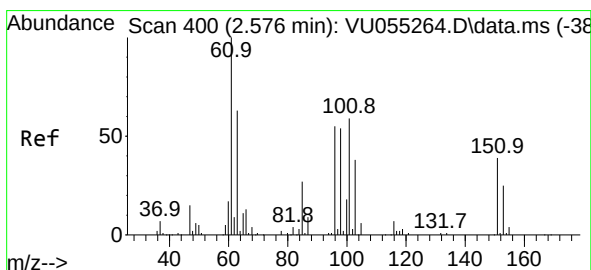
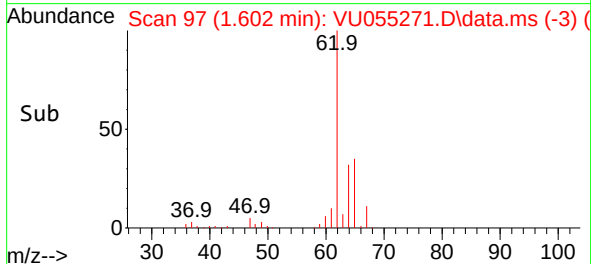
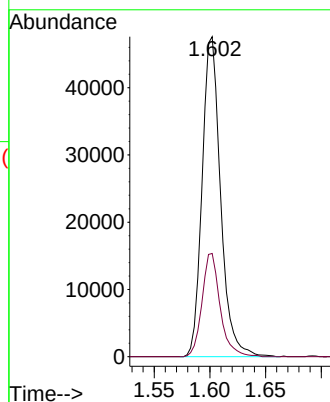
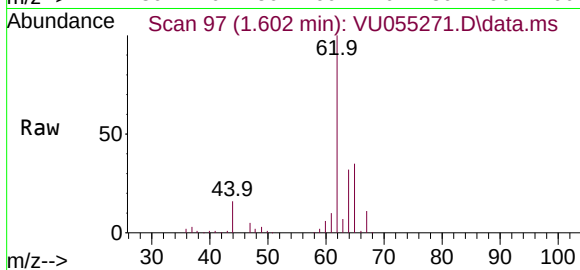
ClientSampleId :

Tgt Ion: 62 Resp: 54977

Ion Ratio Lower Upper

62 100

64 32.3 24.2 45.0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.280 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU055271.D

Acq: 13 Sep 2023 04:39

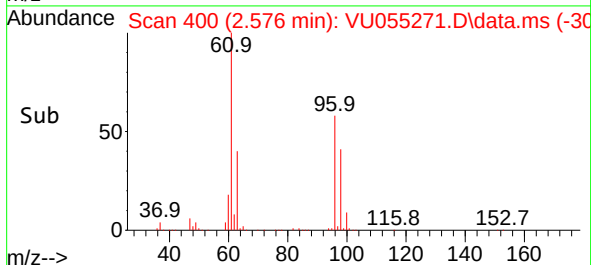
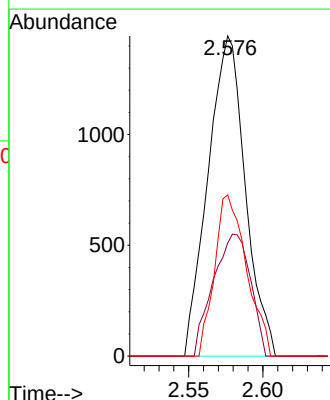
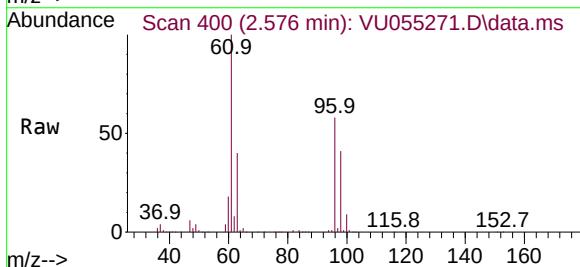
Tgt Ion: 101 Resp: 2522

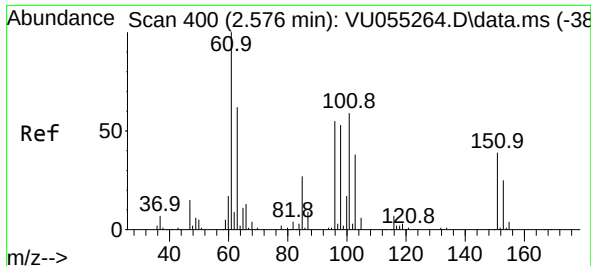
Ion Ratio Lower Upper

101 100

85 38.1 37.3 55.9

151 43.1 57.6 86.4

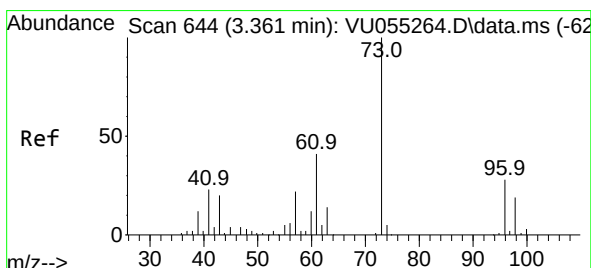
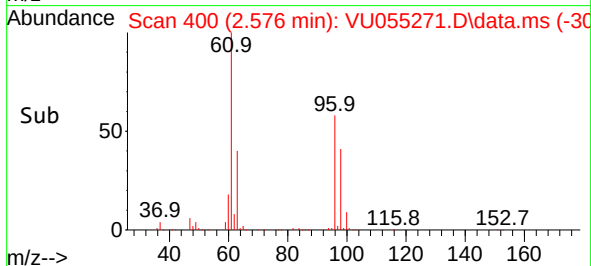
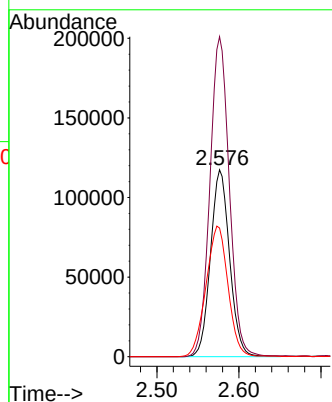
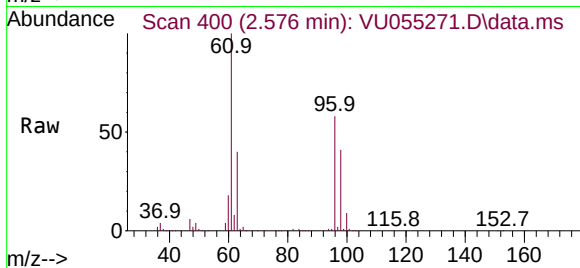




#12
1,1-Dichloroethene
Concen: 24.151 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

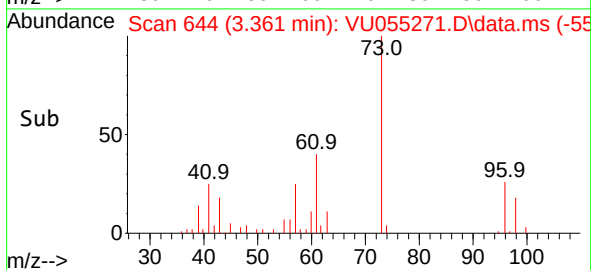
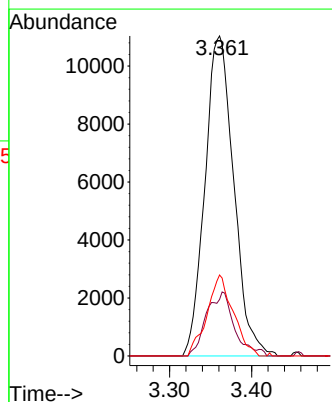
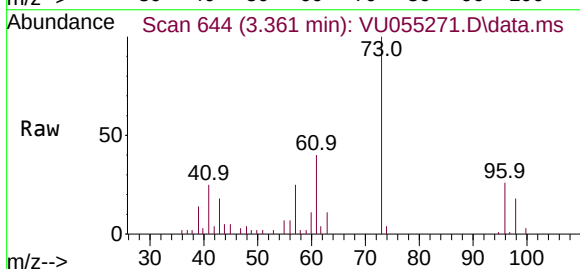
Instrument :
MSVOA_U
ClientSampleId :

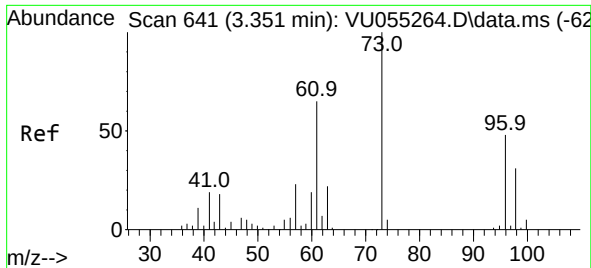
Tgt Ion: 96 Resp: 190278
Ion Ratio Lower Upper
96 100
61 171.3 120.8 224.4
63 68.9 94.5 175.5#



#17
Methyl tert-butyl Ether
Concen: 1.305 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

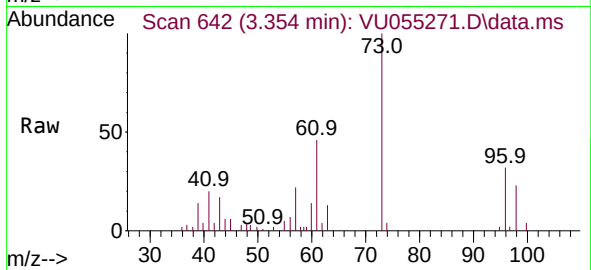
Tgt Ion: 73 Resp: 26967
Ion Ratio Lower Upper
73 100
43 18.9 16.2 24.2
57 23.0 17.4 26.2



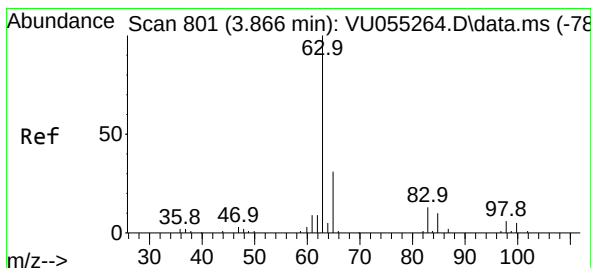
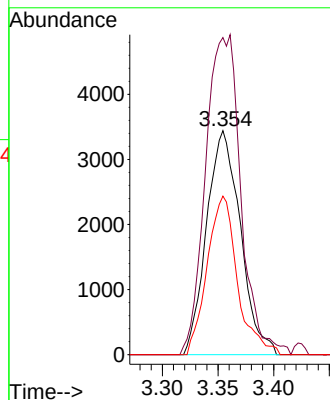
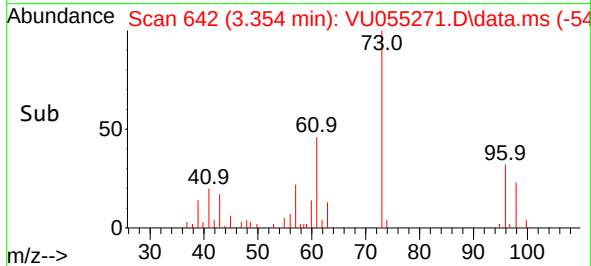


#18
 trans-1,2-Dichloroethene
 Concen: 0.909 ug/L
 RT: 3.354 min Scan# 641
 Delta R.T. 0.003 min
 Lab File: VU055271.D
 Acq: 13 Sep 2023 04:39

Instrument :
 MSVOA_U
 ClientSampleId :

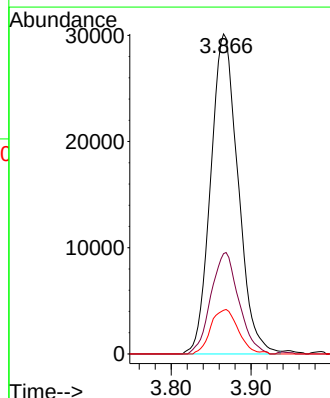
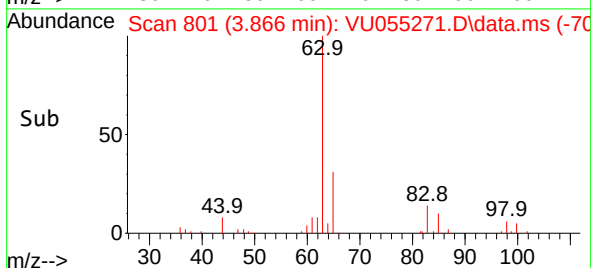
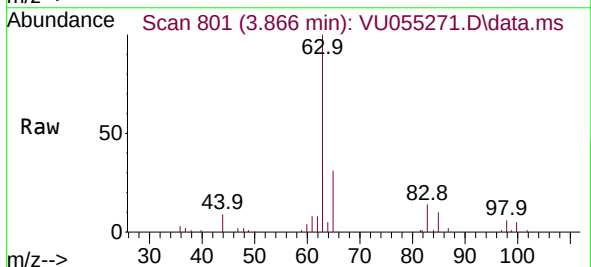


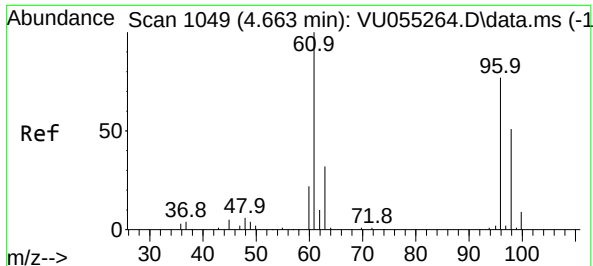
Tgt Ion: 96 Resp: 7270
 Ion Ratio Lower Upper
 96 100
 61 133.2 108.1 200.9
 98 66.6 45.4 84.4



#19
 1,1-Dichloroethane
 Concen: 4.144 ug/L
 RT: 3.866 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: VU055271.D
 Acq: 13 Sep 2023 04:39

Tgt Ion: 63 Resp: 71579
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 13.6 10.6 19.8





#22

cis-1,2-Dichloroethene

Concen: 490.632 ug/L

RT: 4.660 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VU055271.D

Acq: 13 Sep 2023 04:39

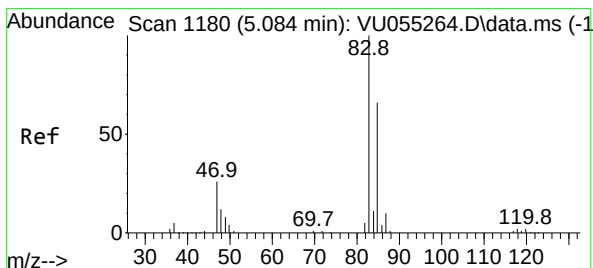
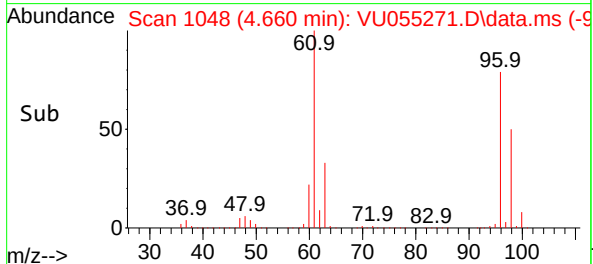
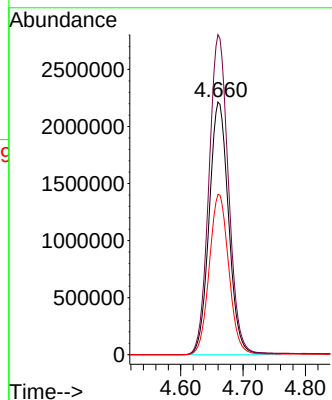
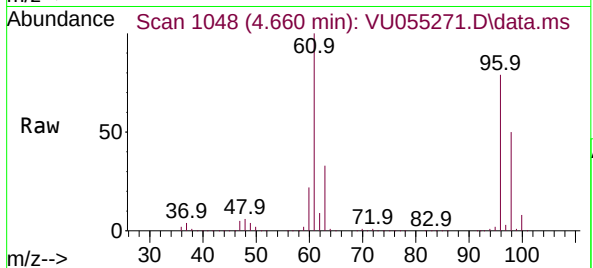
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 4800816

Ion	Ratio	Lower	Upper
96	100		
61	126.6	97.2	180.4
98	63.4	46.1	85.7



#25

Chloroform

Concen: 2.433 ug/L

RT: 5.087 min Scan# 1181

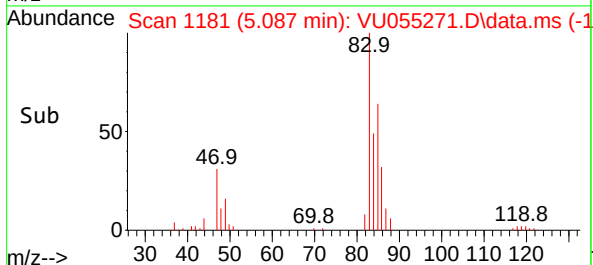
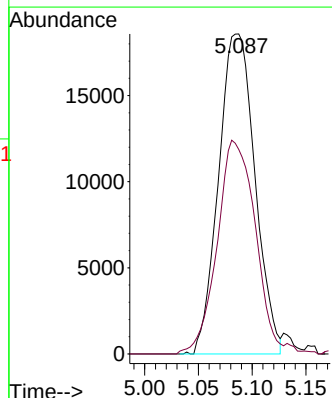
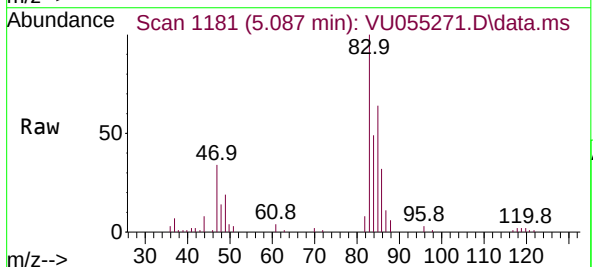
Delta R.T. 0.003 min

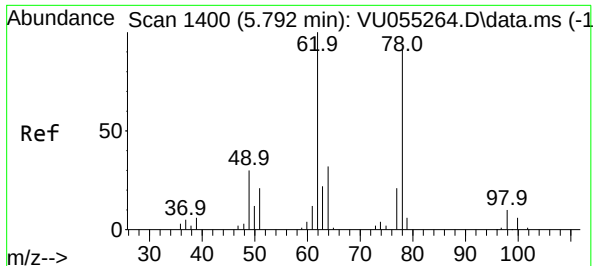
Lab File: VU055271.D

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Tgt Ion: 83 Resp: 43783

Ion	Ratio	Lower	Upper
83	100		
85	63.9	47.2	87.6





#27

1,2-Dichloroethane

Concen: 2.549 ug/L

RT: 5.795 min Scan# 14

Delta R.T. 0.003 min

Lab File: VU055271.D

Acq: 13 Sep 2023 04:39

Instrument :

MSVOA_U

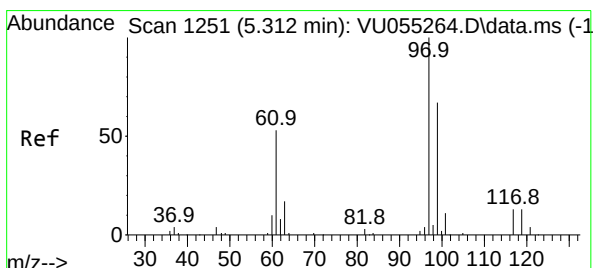
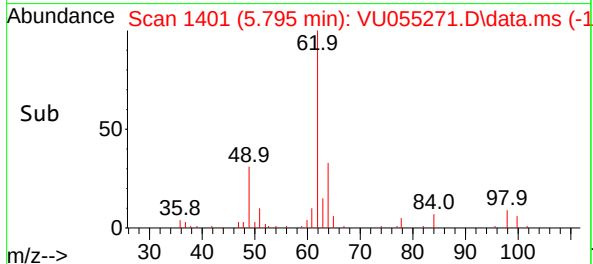
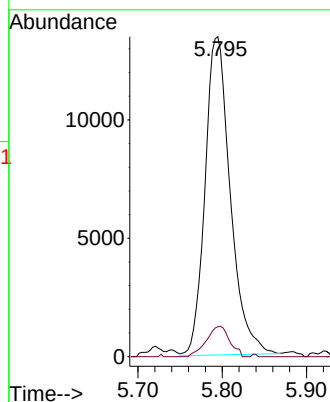
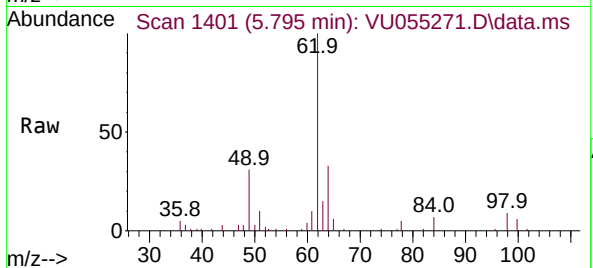
ClientSampleId :

Tgt Ion: 62 Resp: 27992

Ion Ratio Lower Upper

62 100

98 9.3 6.9 10.3



#29

1,1,1-Trichloroethane

Concen: 0.290 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055271.D

Acq: 13 Sep 2023 04:39

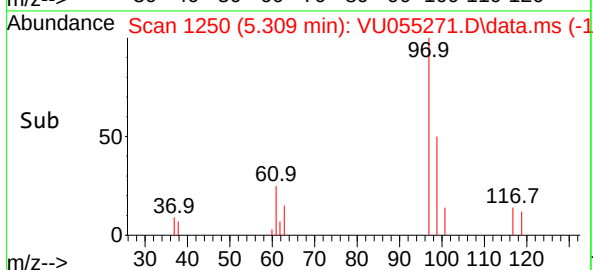
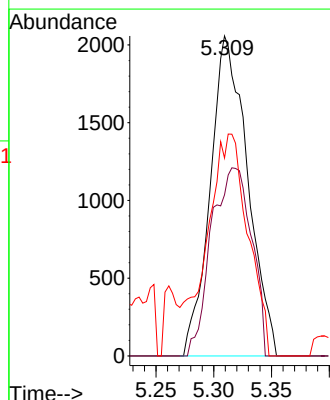
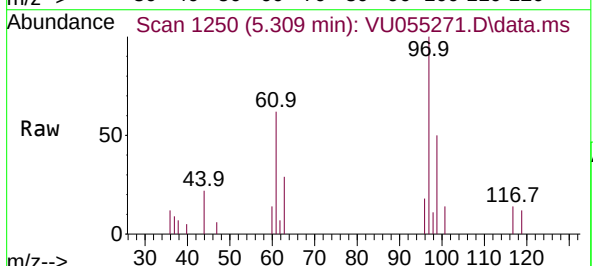
Tgt Ion: 97 Resp: 4626

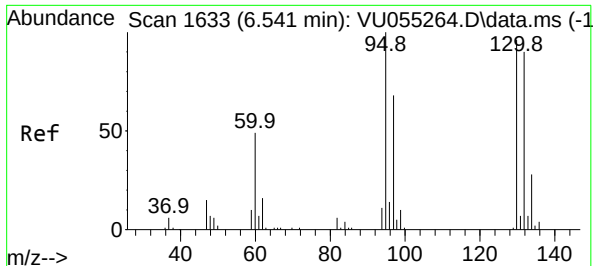
Ion Ratio Lower Upper

97 100

99 63.3 51.8 77.8

61 76.7 36.8 55.2#





#34

Trichloroethene

Concen: 257.735 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

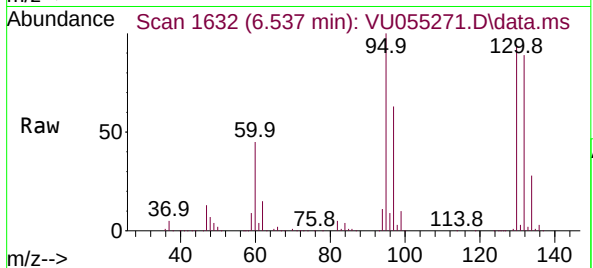
Lab File: VU055271.D

Acq: 13 Sep 2023 04:39

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 2811363

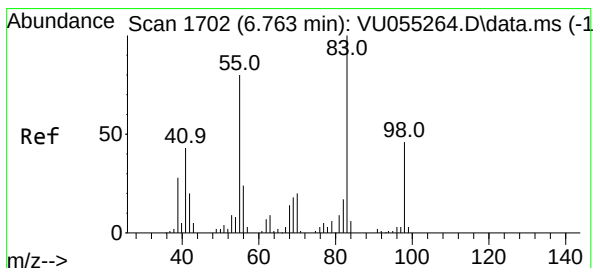
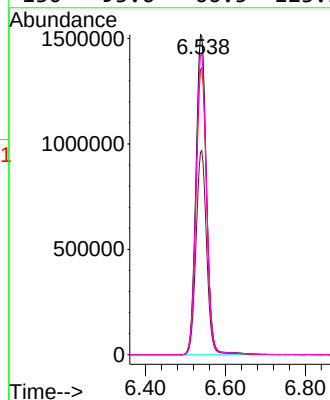
Ion Ratio Lower Upper

95 100

97 63.3 44.7 83.1

132 89.0 66.6 123.6

130 93.6 66.5 123.5



#35

Methylcyclohexane

Concen: 0.981 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.074 min

Lab File: VU055271.D

Acq: 13 Sep 2023 04:39

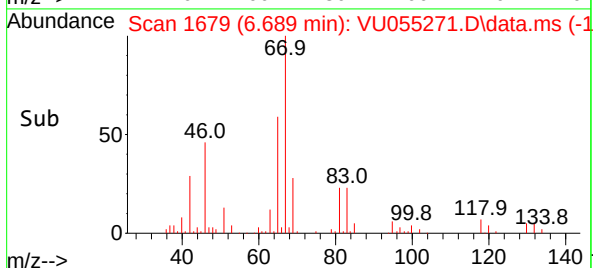
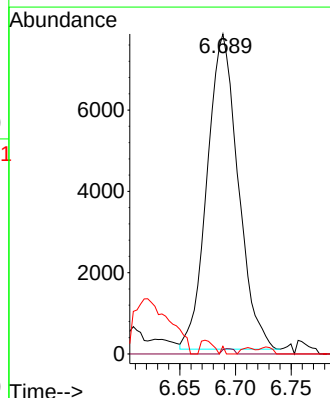
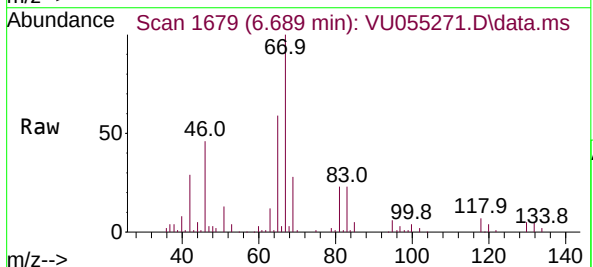
Tgt Ion: 83 Resp: 15008

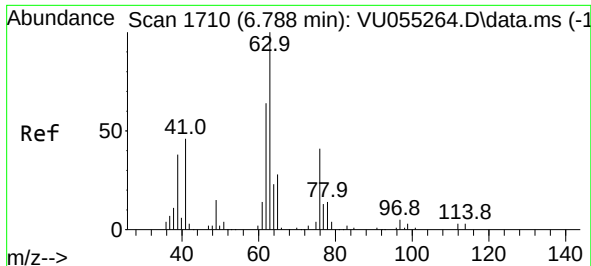
Ion Ratio Lower Upper

83 100

55 0.6 60.4 90.6#

98 0.0 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.682 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU055271.D

Acq: 13 Sep 2023 04:39

Instrument :

MSVOA_U

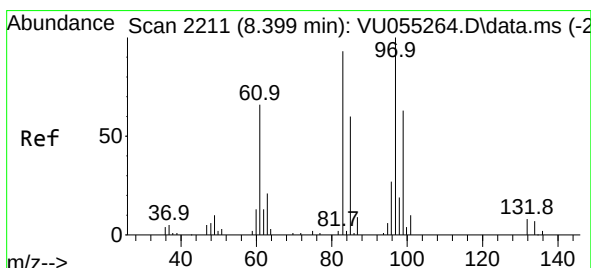
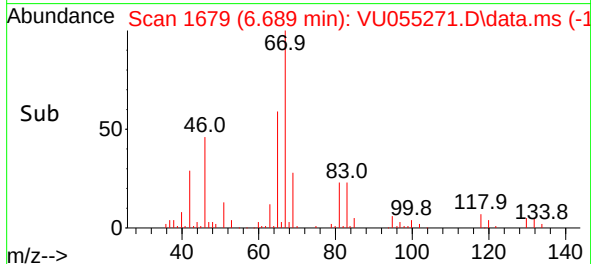
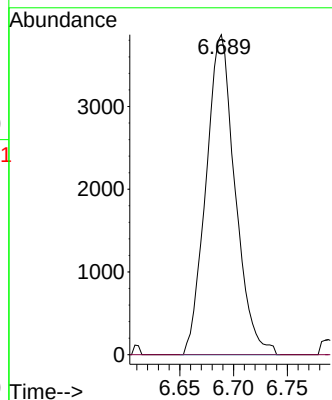
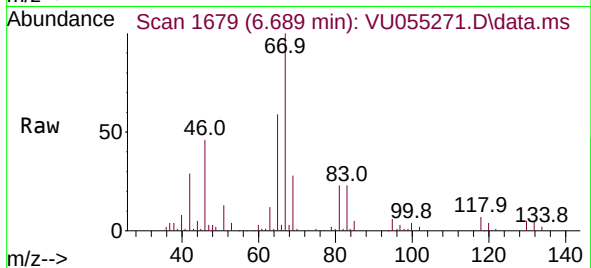
ClientSampleId :

Tgt Ion: 63 Resp: 7285

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#45

1,1,2-Trichloroethane

Concen: 0.151 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.000 min

Lab File: VU055271.D

Acq: 13 Sep 2023 04:39

Tgt Ion: 97 Resp: 1086

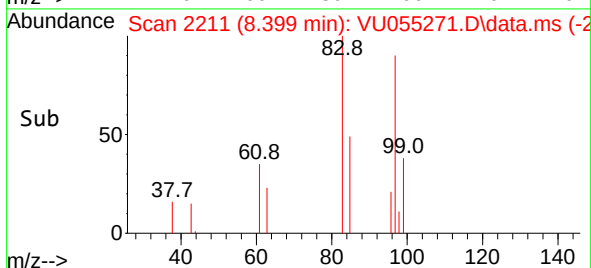
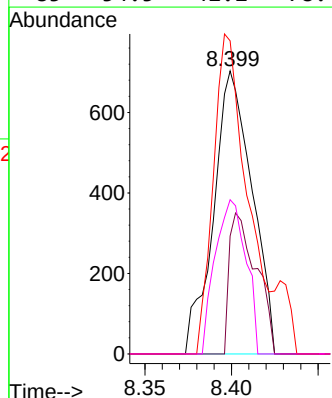
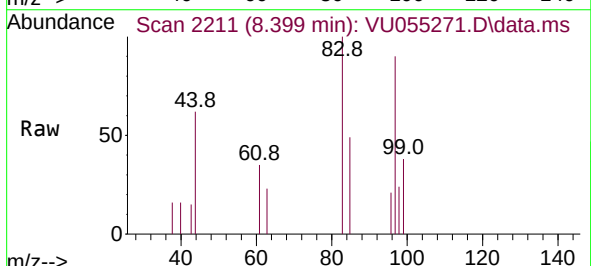
Ion Ratio Lower Upper

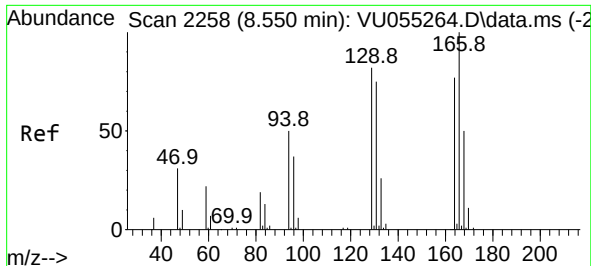
97 100

99 41.7 44.9 83.5#

83 110.7 66.9 124.3

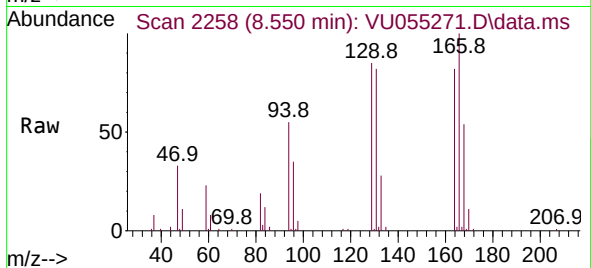
85 54.5 42.2 78.4



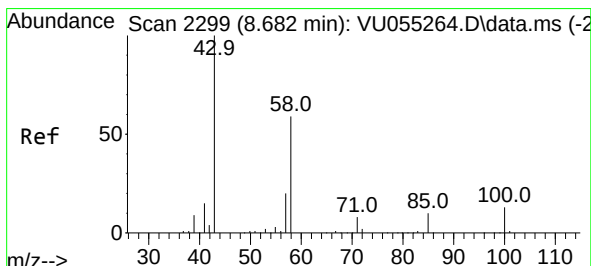
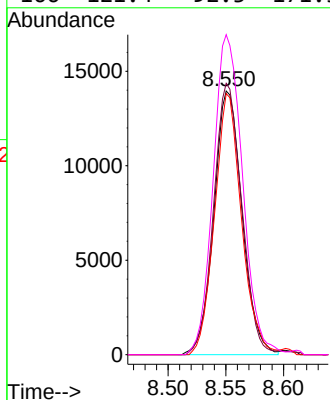
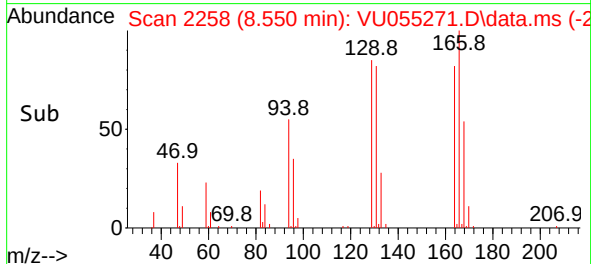


#47
Tetrachloroethene
Concen: 3.150 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

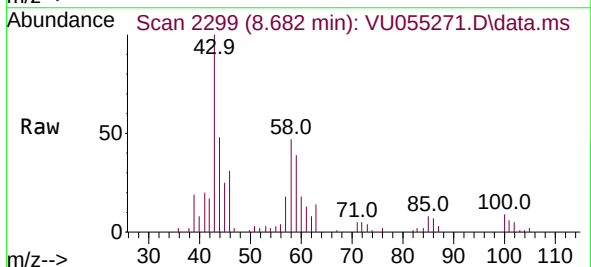
Instrument :
MSVOA_U
ClientSampleId :



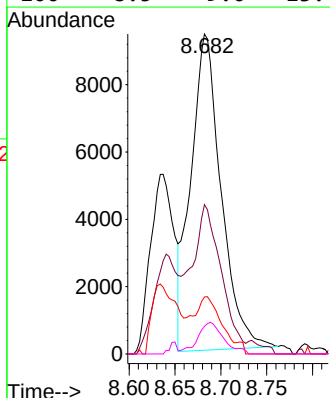
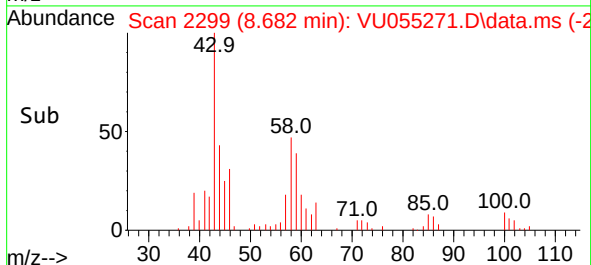
Tgt Ion:164 Resp: 23751
Ion Ratio Lower Upper
164 100
129 102.9 69.2 128.6
131 99.0 68.8 127.8
166 121.4 92.3 171.5

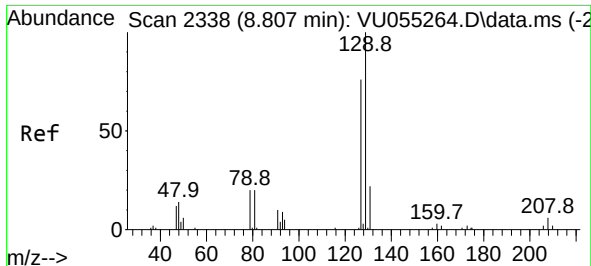


#48
2-Hexanone
Concen: 4.511 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39



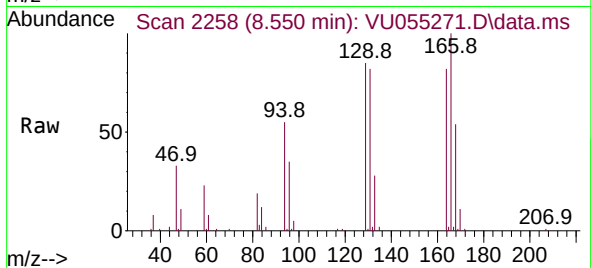
Tgt Ion: 43 Resp: 21539
Ion Ratio Lower Upper
43 100
58 39.8 44.0 66.0#
57 15.0 16.2 24.2#
100 8.5 9.0 13.4#



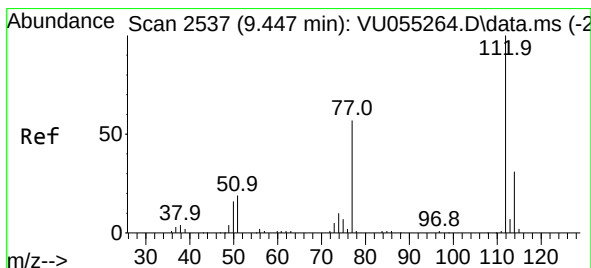
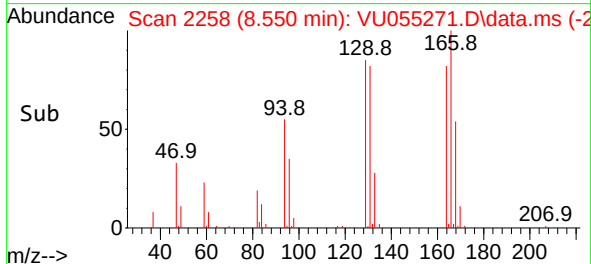
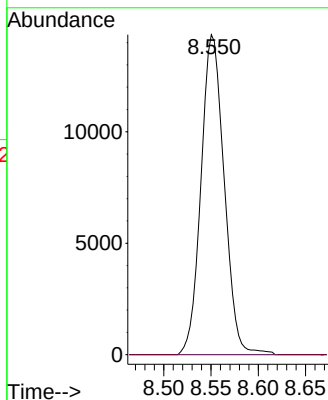


#49
Dibromochloromethane
Concen: 3.118 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

Instrument :
MSVOA_U
ClientSampleId :

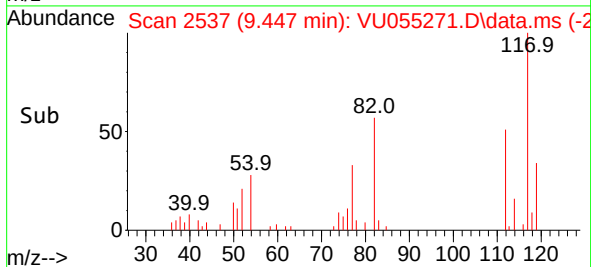
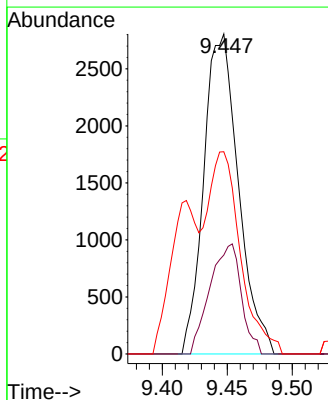
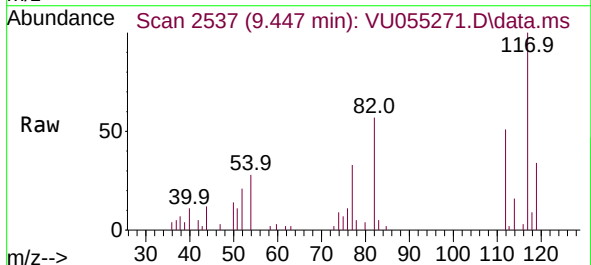


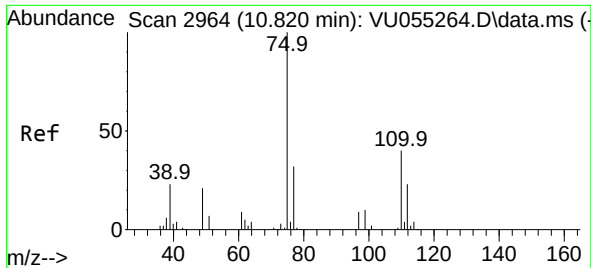
Tgt Ion:129 Resp: 24497
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#



#51
Chlorobenzene
Concen: 0.188 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

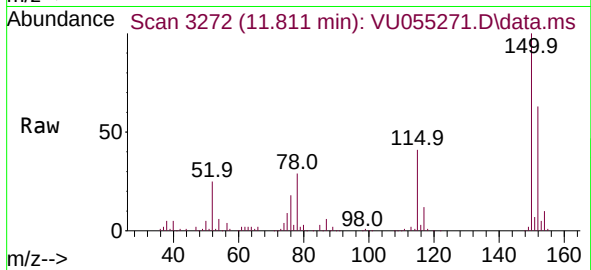
Tgt Ion:112 Resp: 5204
Ion Ratio Lower Upper
112 100
114 30.9 21.7 40.3
77 63.2 48.6 72.8





#61
 1,2,3-Trichloropropane
 Concen: 2.294 ug/L
 RT: 11.811 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU055271.D
 Acq: 13 Sep 2023 04:39

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.0	28.2	42.2#
77	29.7	26.2	39.4

