

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091223\
 Data File : VU055268.D
 Acq On : 13 Sep 2023 03:26
 Operator : MD/SY
 Sample : 04350-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 13 05:36:36 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	188717	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	189649	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	86386	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25281	2.858	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.200%
7) Chloroethane-d5	1.907	69	40171	3.924	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.563	65	14134	2.805	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.000%#
20) 2-Butanone-d5	4.628	46	124966	48.687	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.380%
24) Chloroform-d	5.062	84	95569	4.072	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
26) 1,2-Dichloroethane-d4	5.698	65	48684	4.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
32) Benzene-d6	5.727	84	175817	3.756	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.200%
36) 1,2-Dichloropropane-d6	6.689	67	59949	4.026	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.600%
41) Toluene-d8	7.898	98	149698	3.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	8.180	79	13097	3.194	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.800%
46) 2-Hexanone-d5	8.634	63	70776	42.517	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.040%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	46058	4.398	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	49931	3.960	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2555	0.233	ug/L	98
5) Vinyl chloride	1.602	62	87107	7.396	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	2621	0.263	ug/L #	69
12) 1,1-Dichloroethene	2.576	96	139099	15.943	ug/L #	76
17) Methyl tert-butyl Ether	3.361	73	86509	3.781	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	9421	1.064	ug/L	86
19) 1,1-Dichloroethane	3.866	63	65481	3.423	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	6562797	605.668	ug/L	93
25) Chloroform	5.084	83	48733	2.446	ug/L	97
27) 1,2-Dichloroethane	5.795	62	14925	1.227	ug/L	96
29) 1,1,1-Trichloroethane	5.316	97	23655	1.442	ug/L	92
33) Benzene	5.769	78	5601	0.139	ug/L	100
34) Trichloroethene	6.537	95	2481985	221.258	ug/L	97
35) Methylcyclohexane	6.689	83	12790	0.813	ug/L #	20
37) 1,2-Dichloropropane	6.692	63	7084	0.645	ug/L #	89
45) 1,1,2-Trichloroethane	8.396	97	801	0.108	ug/L #	72
47) Tetrachloroethene	8.553	164	19053	2.457	ug/L	94
48) 2-Hexanone	8.679	43	17616	3.588	ug/L #	58
49) Dibromochloromethane	8.550	129	19370	2.397	ug/L #	9

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QLast Update : Wed Sep 13 05:34:47 2023
Response via : Initial Calibration

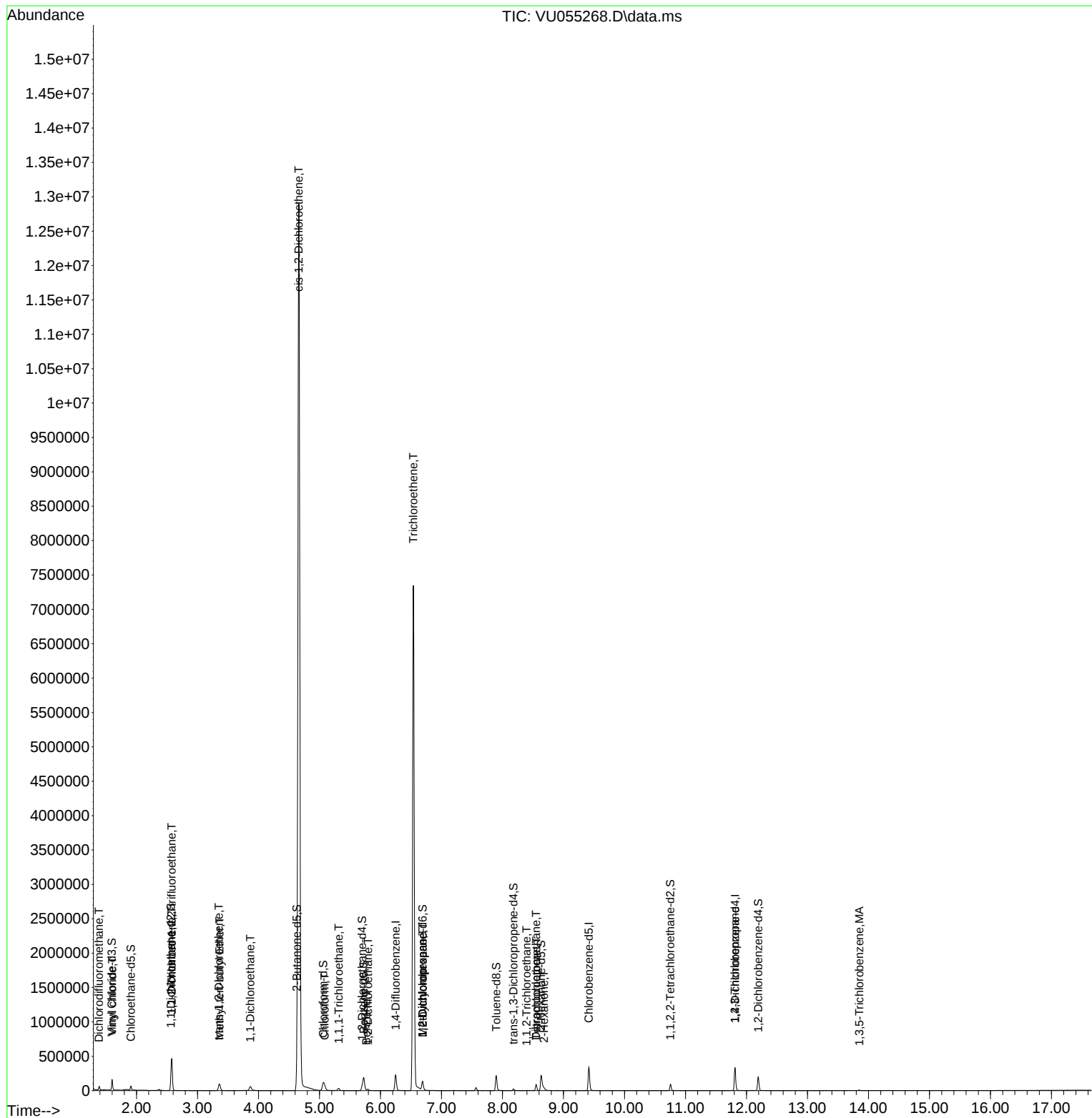
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.811	75	12258	2.138	ug/L #	70
69) 1,3,5-Trichlorobenzene	13.849	180	3316	0.227	ug/L #	92

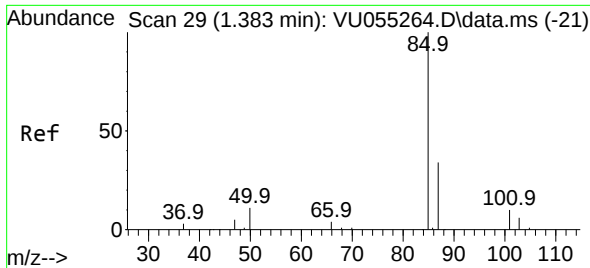
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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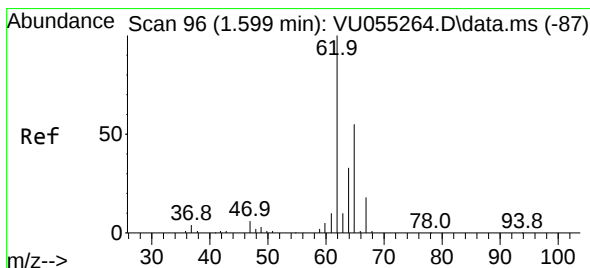
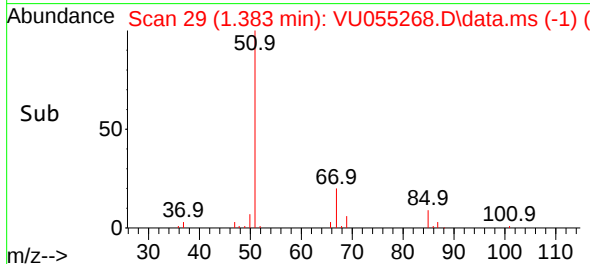
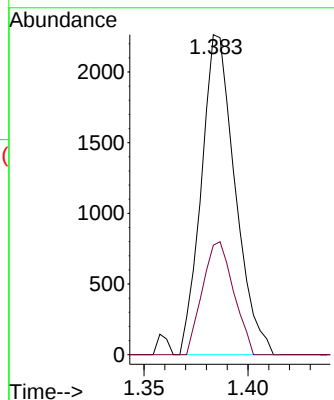
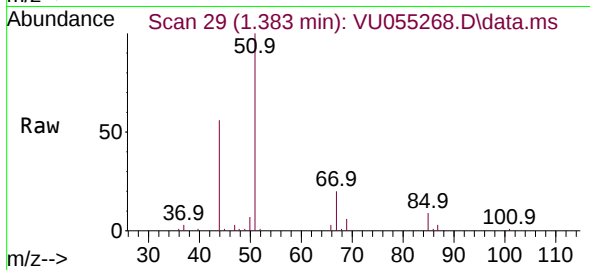




#2
 Dichlorodifluoromethane
 Concen: 0.233 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055268.D
 Acq: 13 Sep 2023 03:26

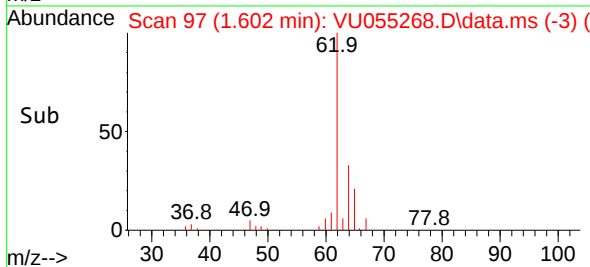
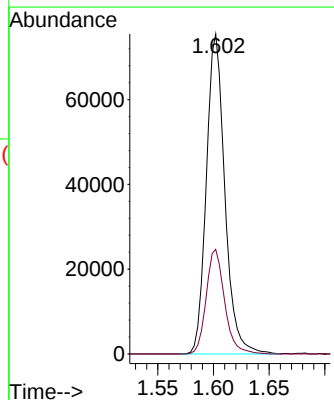
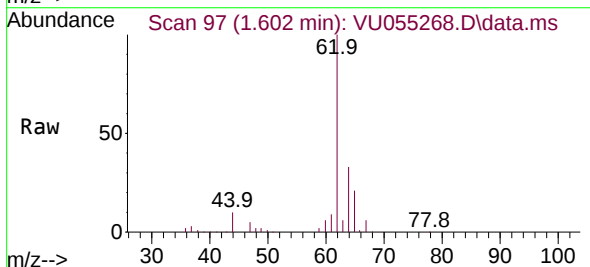
Instrument :
 MSVOA_U
 ClientSampleId :

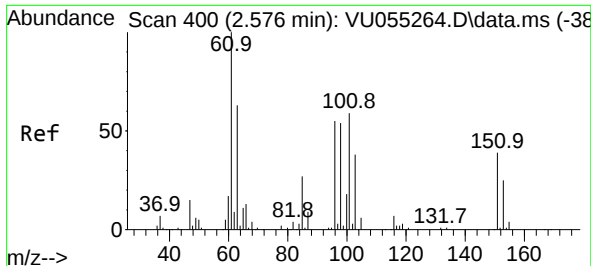
Tgt Ion: 85 Resp: 2555
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.1 37.7



#5
 Vinyl chloride
 Concen: 7.396 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.003 min
 Lab File: VU055268.D
 Acq: 13 Sep 2023 03:26

Tgt Ion: 62 Resp: 87107
 Ion Ratio Lower Upper
 62 100
 64 32.7 24.2 45.0

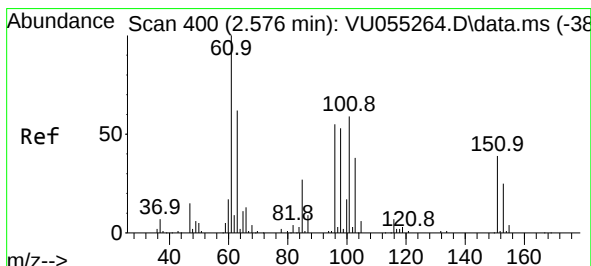
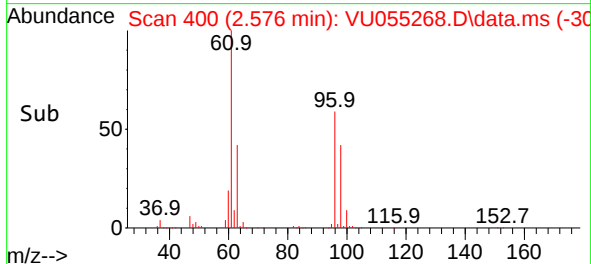
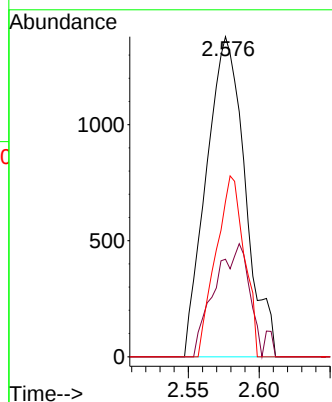
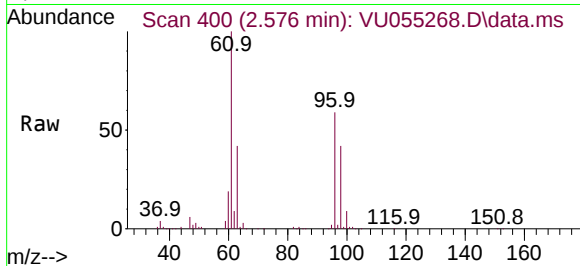




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.263 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055268.D
 Acq: 13 Sep 2023 03:26

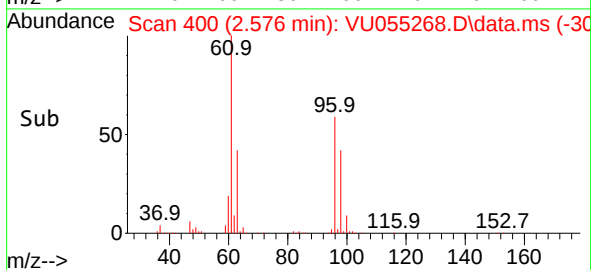
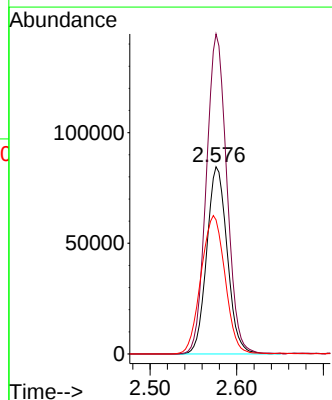
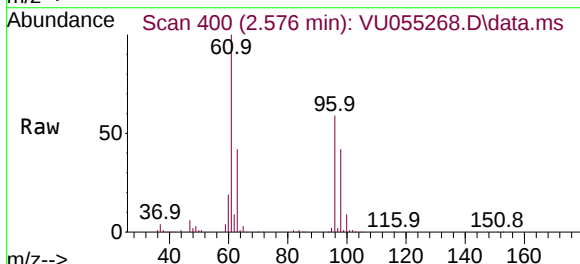
Instrument :
 MSVOA_U
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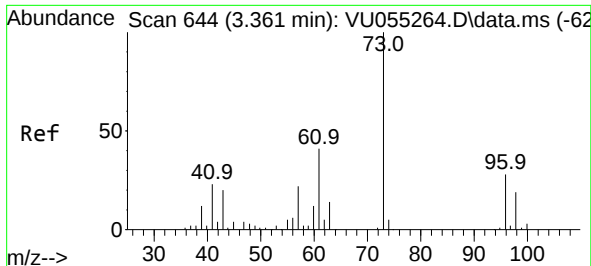
Tgt Ion:101 Resp: 2621
 Ion Ratio Lower Upper
 101 100
 85 31.6 37.3 55.9#
 151 41.4 57.6 86.4#



#12
 1,1-Dichloroethene
 Concen: 15.943 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055268.D
 Acq: 13 Sep 2023 03:26

Tgt Ion: 96 Resp: 139099
 Ion Ratio Lower Upper
 96 100
 61 170.9 120.8 224.4
 63 71.6 94.5 175.5#

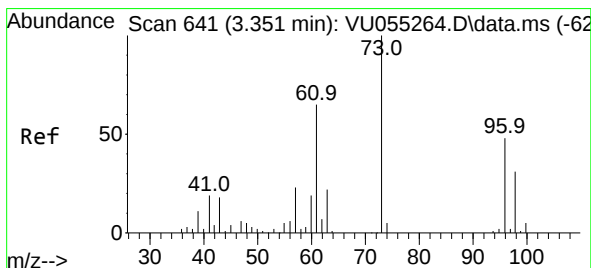
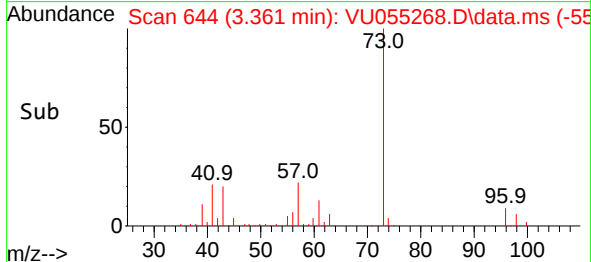
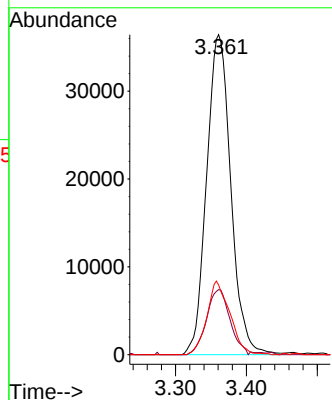
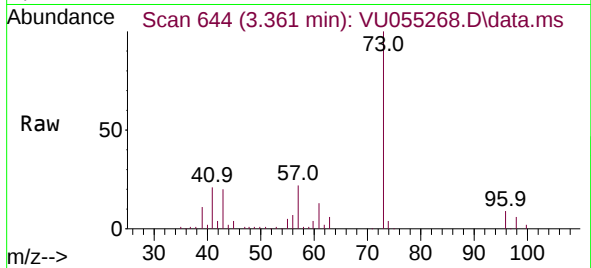




#17
Methyl tert-butyl Ether
Concen: 3.781 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

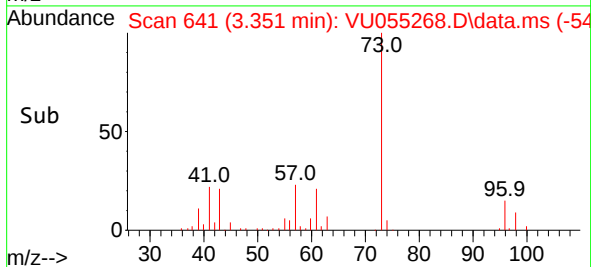
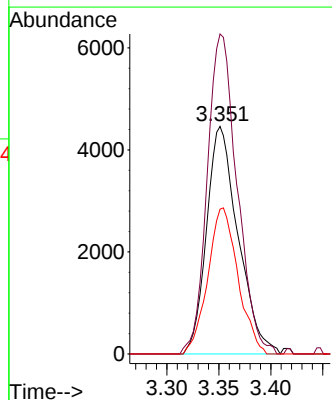
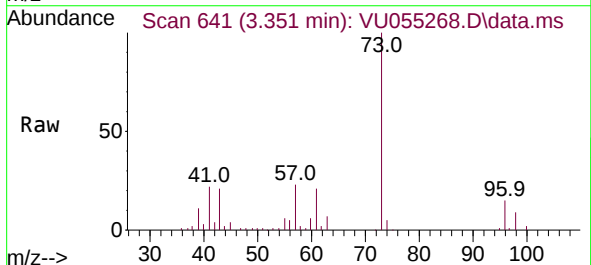
Instrument :
MSVOA_U
ClientSampleId :

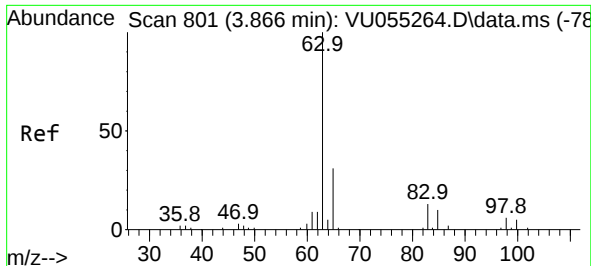
Tgt Ion: 73 Resp: 86509
Ion Ratio Lower Upper
73 100
43 19.7 16.2 24.2
57 21.9 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 1.064 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

Tgt Ion: 96 Resp: 9421
Ion Ratio Lower Upper
96 100
61 131.7 108.1 200.9
98 59.6 45.4 84.4





#19

1,1-Dichloroethane

Concen: 3.423 ug/L

RT: 3.866 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055268.D

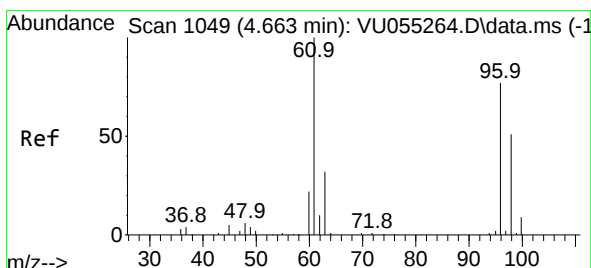
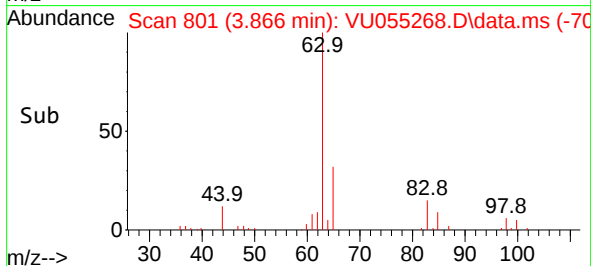
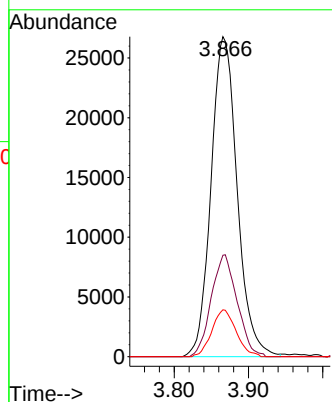
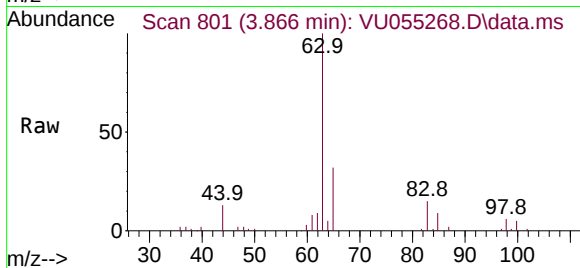
Acq: 13 Sep 2023 03:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	65481
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.2	41.2
83	14.7	10.6	19.8



#22

cis-1,2-Dichloroethene

Concen: 605.668 ug/L

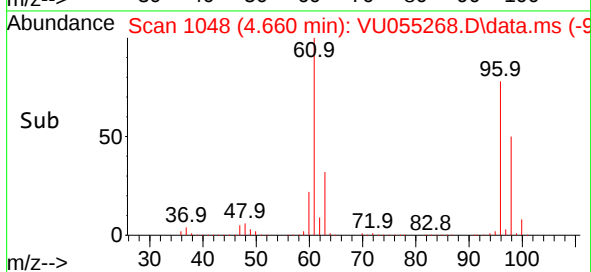
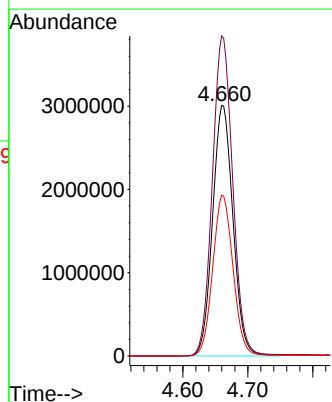
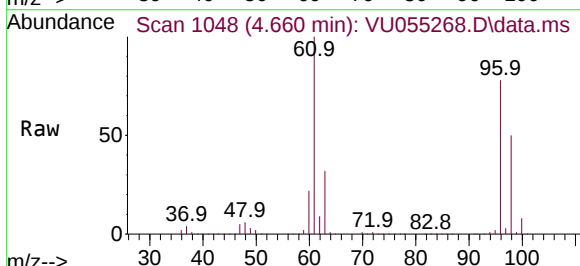
RT: 4.660 min Scan# 1048

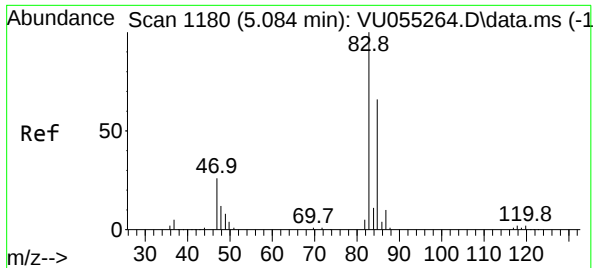
Delta R.T. -0.003 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

Tgt Ion:	96	Resp:	6562797
Ion	Ratio	Lower	Upper
96	100		
61	127.7	97.2	180.4
98	64.1	46.1	85.7

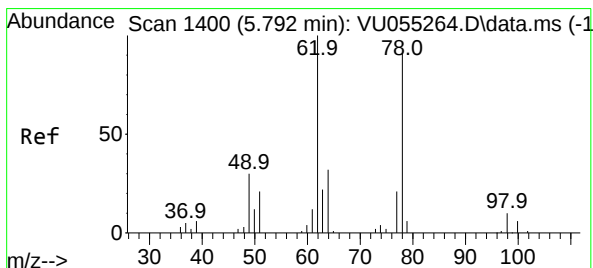
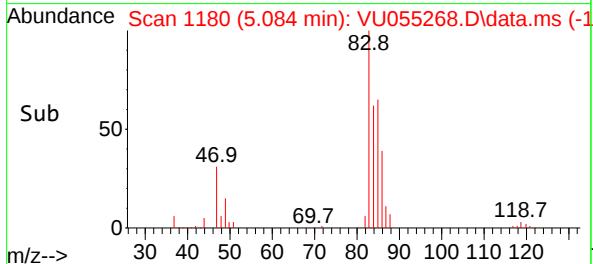
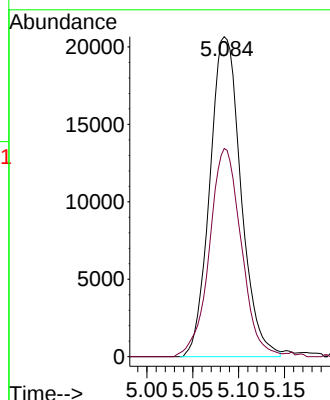
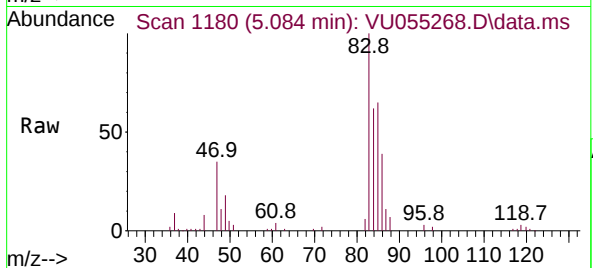




#25
Chloroform
Concen: 2.446 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

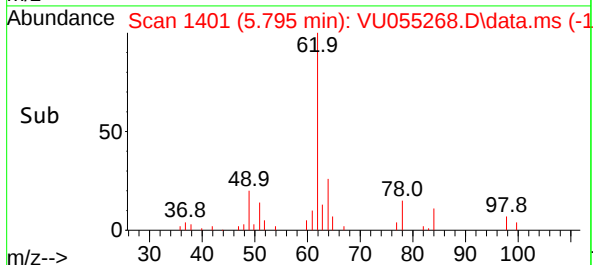
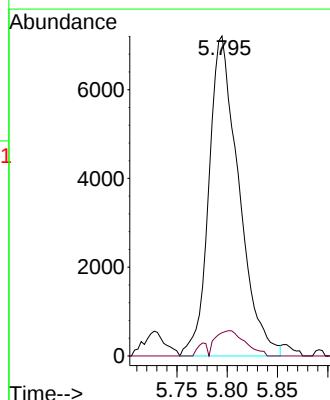
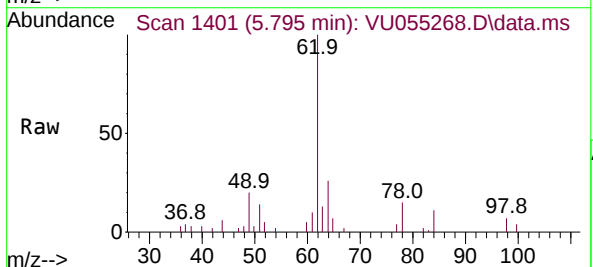
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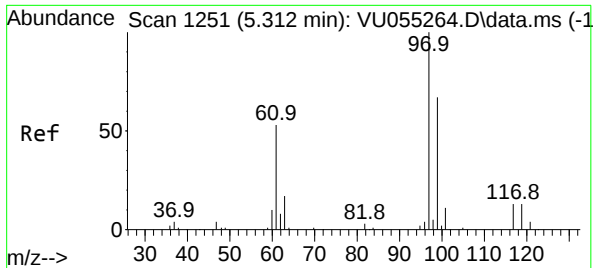
Tgt Ion: 83 Resp: 48733
Ion Ratio Lower Upper
83 100
85 65.1 47.2 87.6



#27
1,2-Dichloroethane
Concen: 1.227 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.003 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

Tgt Ion: 62 Resp: 14925
Ion Ratio Lower Upper
62 100
98 7.3 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 1.442 ug/L

RT: 5.316 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

Instrument :

MSVOA_U

ClientSampleId :

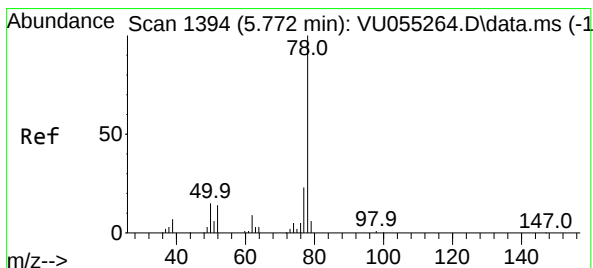
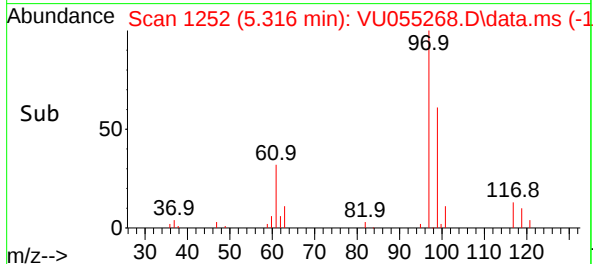
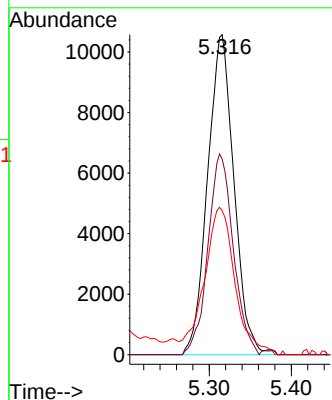
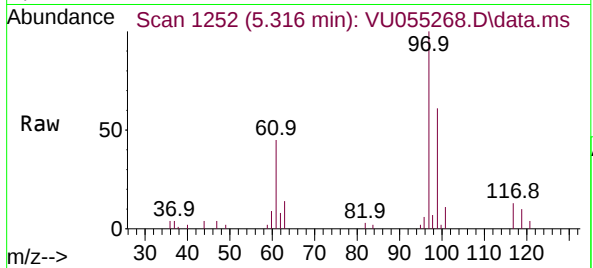
Tgt Ion: 97 Resp: 23655

Ion Ratio Lower Upper

97 100

99 60.4 51.8 77.8

61 53.6 36.8 55.2



#33

Benzene

Concen: 0.139 ug/L

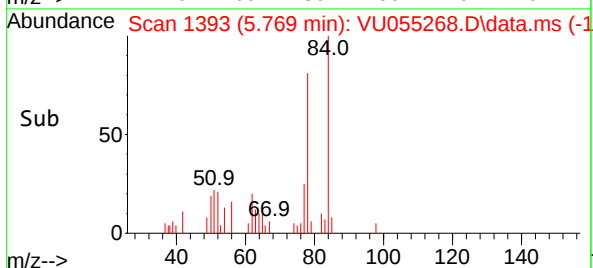
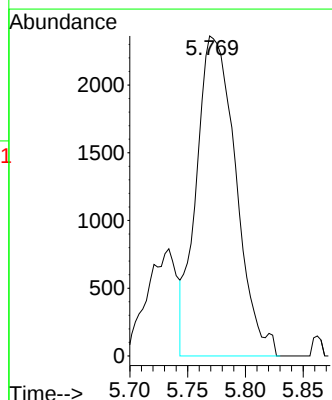
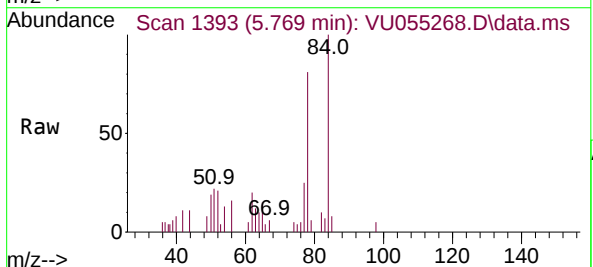
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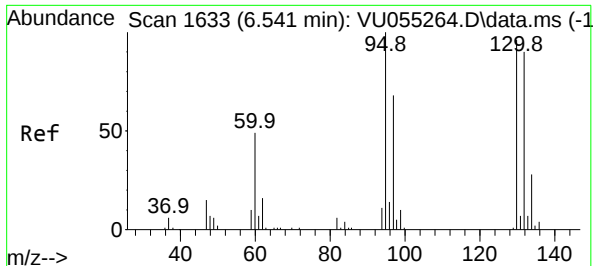
Delta R.T. -0.003 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

Tgt Ion: 78 Resp: 5601





#34

Trichloroethene

Concen: 221.258 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 2481985

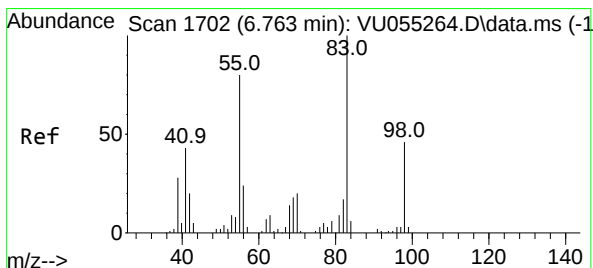
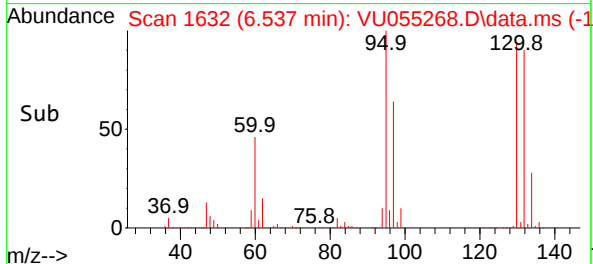
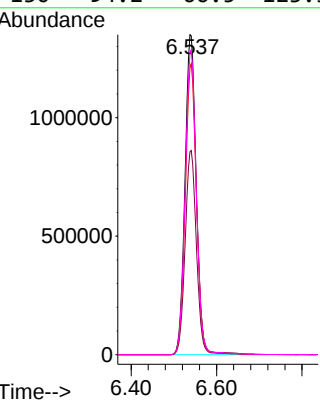
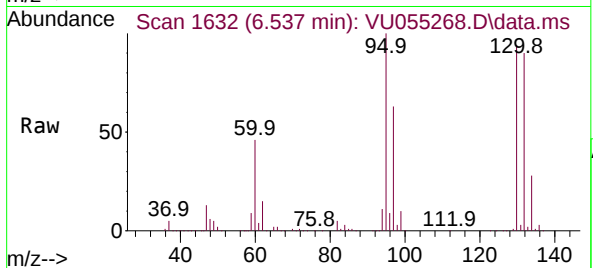
Ion Ratio Lower Upper

95 100

97 63.4 44.7 83.1

132 89.6 66.6 123.6

130 94.2 66.5 123.5



#35

Methylcyclohexane

Concen: 0.813 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.074 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

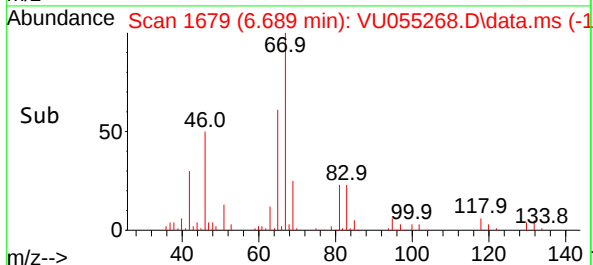
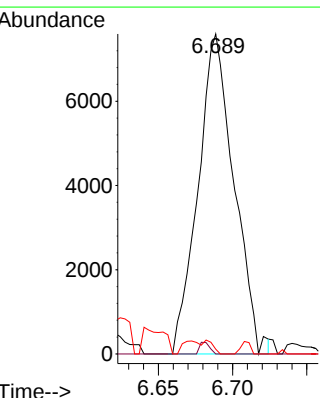
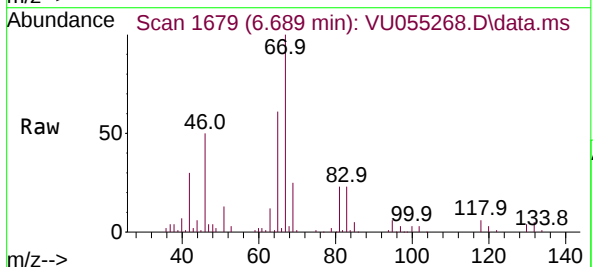
Tgt Ion: 83 Resp: 12790

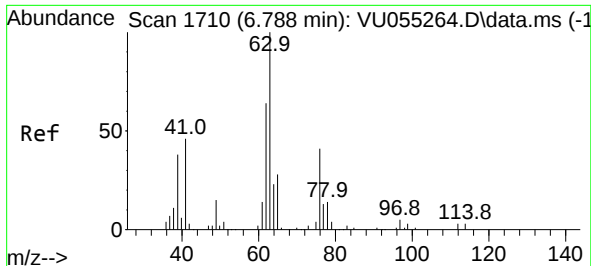
Ion Ratio Lower Upper

83 100

55 1.0 60.4 90.6#

98 0.0 35.3 52.9#

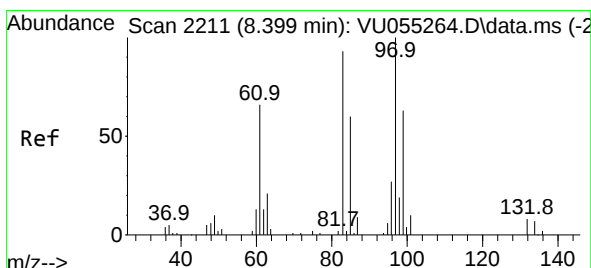
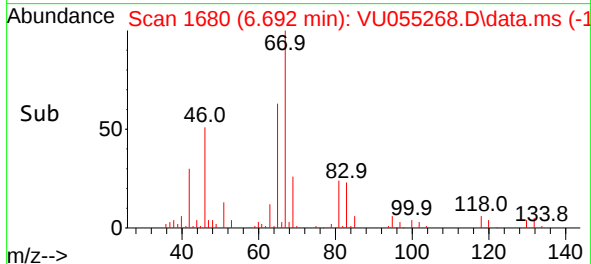
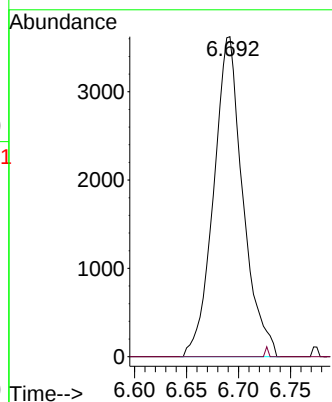
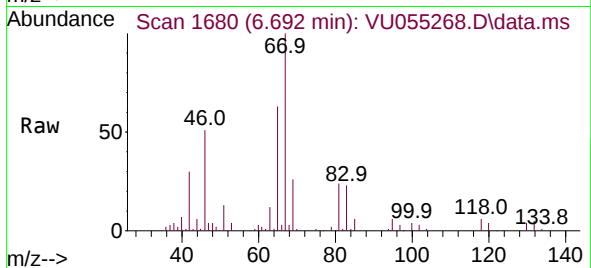




#37
1,2-Dichloropropane
Concen: 0.645 ug/L
RT: 6.692 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

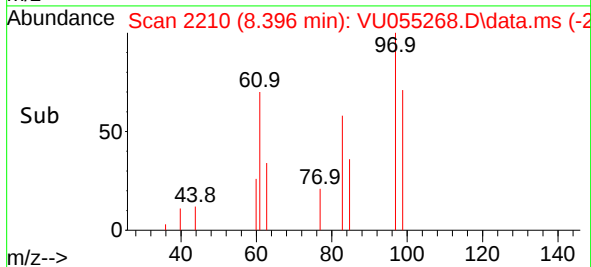
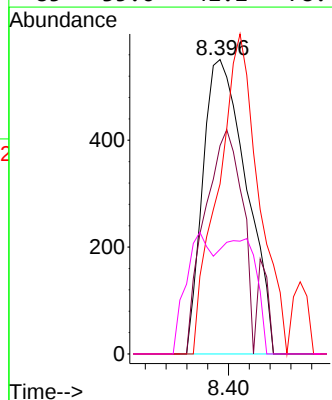
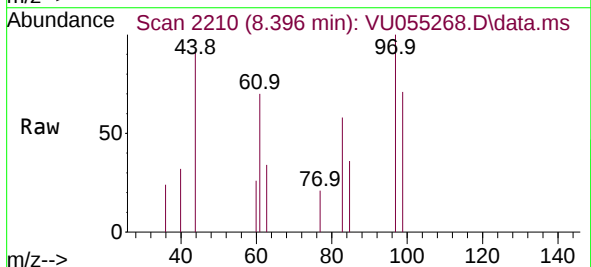
Instrument :
MSVOA_U
ClientSampleId :

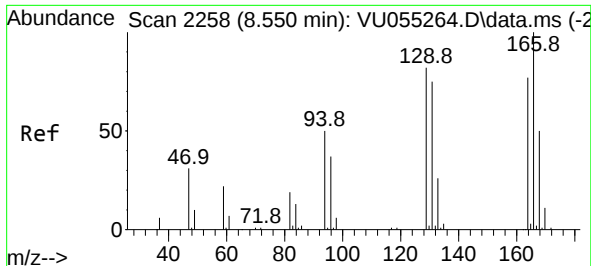
Tgt Ion: 63 Resp: 7084
Ion Ratio Lower Upper
63 100
112 0.3 3.2 4.8#



#45
1,1,2-Trichloroethane
Concen: 0.108 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.003 min
Lab File: VU055268.D
Acq: 13 Sep 2023 03:26

Tgt Ion: 97 Resp: 801
Ion Ratio Lower Upper
97 100
99 70.8 44.9 83.5
83 57.7 66.9 124.3#
85 35.6 42.2 78.4#





#47

Tetrachloroethene

Concen: 2.457 ug/L

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

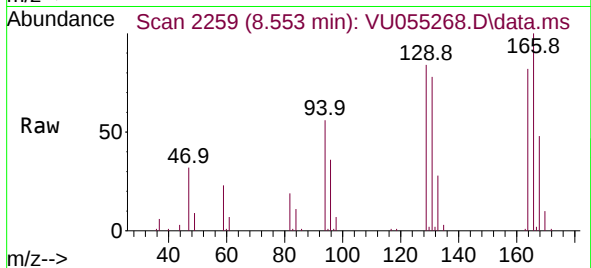
Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 19053

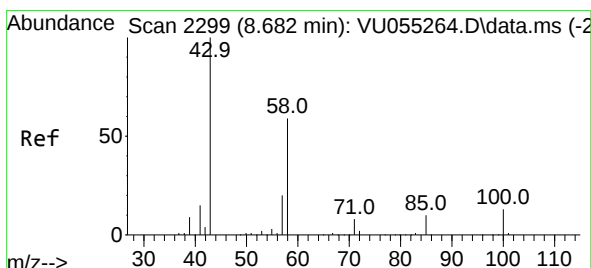
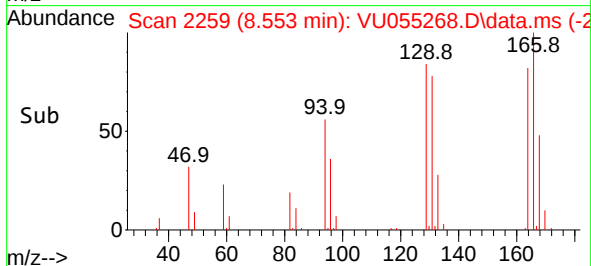
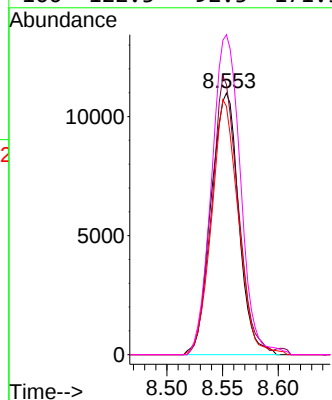
Ion Ratio Lower Upper

164 100

129 103.3 69.2 128.6

131 94.9 68.8 127.8

166 122.3 92.3 171.5



#48

2-Hexanone

Concen: 3.588 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. -0.003 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

Tgt Ion: 43 Resp: 17616

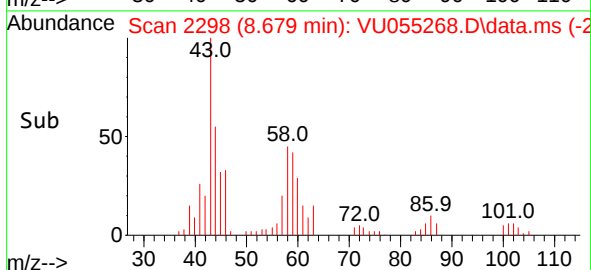
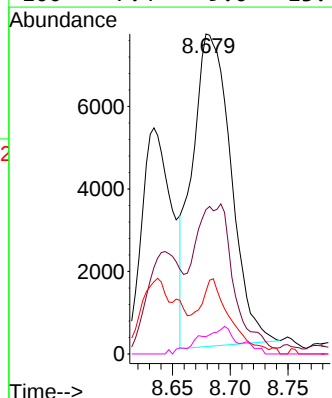
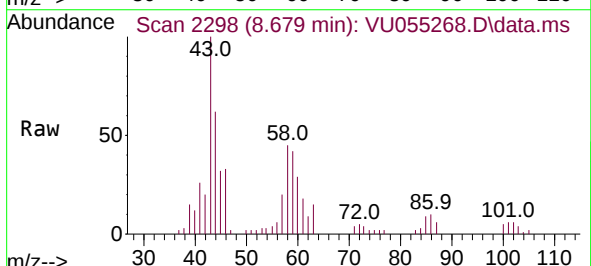
Ion Ratio Lower Upper

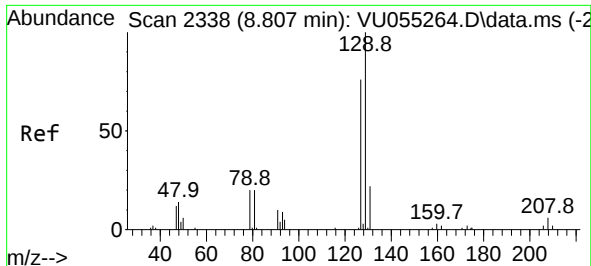
43 100

58 9.0 44.0 66.0#

57 19.2 16.2 24.2

100 7.4 9.0 13.4#





#49

Dibromochloromethane

Concen: 2.397 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

Instrument :

MSVOA_U

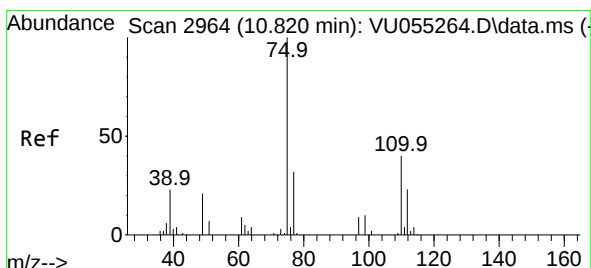
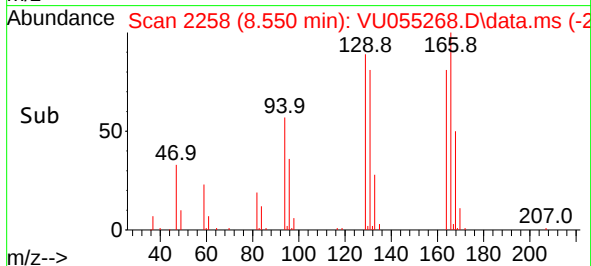
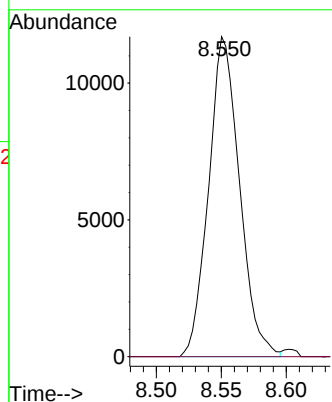
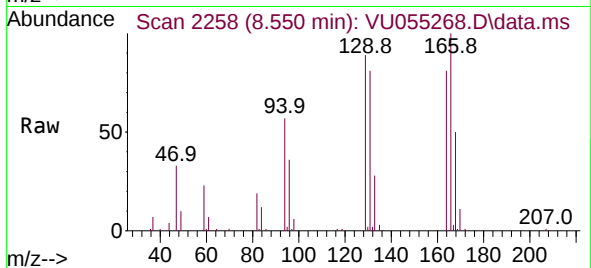
ClientSampleId :

Tgt Ion:129 Resp: 19370

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#61

1,2,3-Trichloropropane

Concen: 2.138 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.990 min

Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

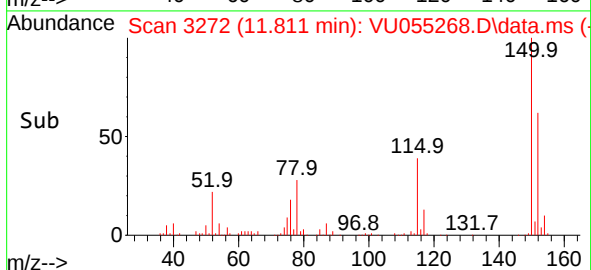
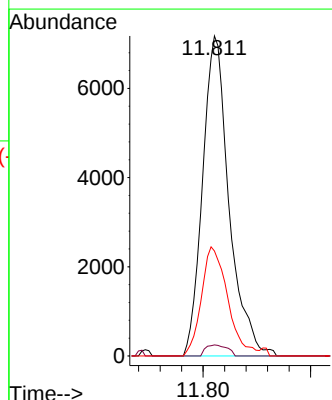
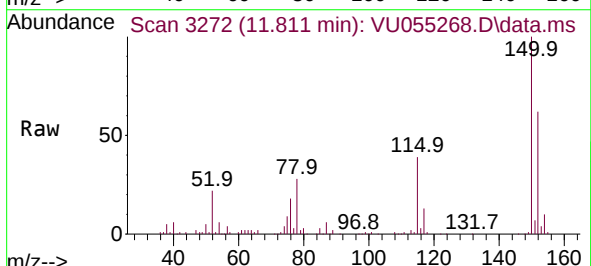
Tgt Ion: 75 Resp: 12258

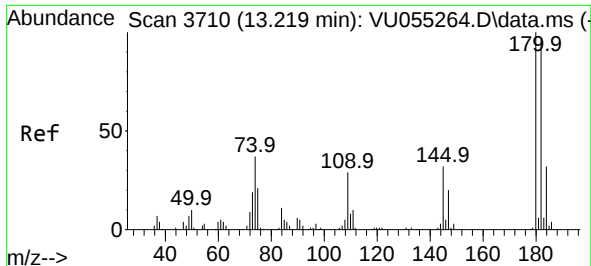
Ion Ratio Lower Upper

75 100

110 2.8 28.2 42.2#

77 33.9 26.2 39.4





#69

1,3,5-Trichlorobenzene

Concen: 0.227 ug/L

RT: 13.849 min Scan# 3906

Delta R.T. 0.630 min

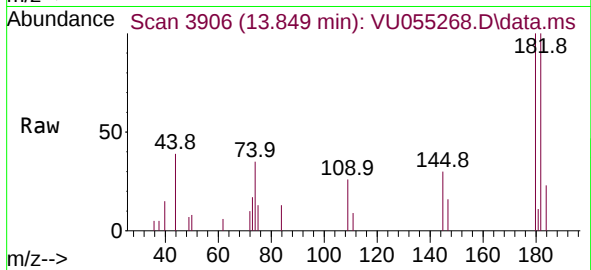
Lab File: VU055268.D

Acq: 13 Sep 2023 03:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 3316

Ion Ratio Lower Upper

180 100

182 98.9 75.8 113.6

184 17.6 24.0 36.0#

145 29.7 26.3 39.5

