

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055055.D
 Acq On : 01 Sep 2023 21:14
 Operator : MD/SY
 Sample : 04230-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH494

Quant Time: Sep 01 23:50:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 01 23:46:10 2023
 Response via : Initial Calibration

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

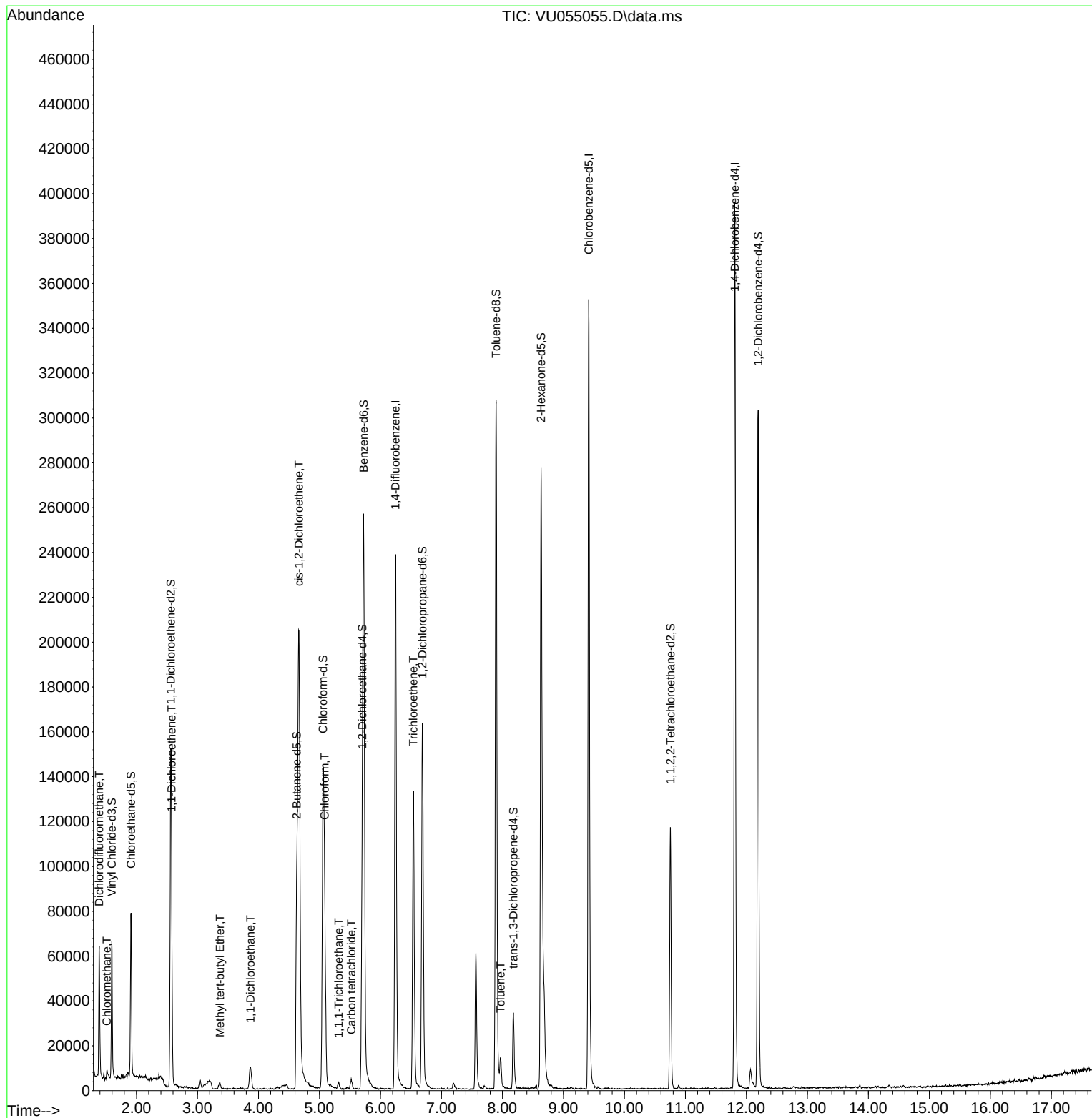
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	190529	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	192510	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	100986	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	41891	4.691	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.800%
7) Chloroethane-d5	1.911	69	50241	4.861	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.563	65	25041	4.922	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.400%
20) 2-Butanone-d5	4.628	46	152534	58.863	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.720%
24) Chloroform-d	5.058	84	118368	4.995	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.701	65	62737	5.292	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	5.724	84	236941	4.986	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.689	67	76915	5.089	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.898	98	208761	4.769	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.180	79	19620	4.714	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.634	63	90994	53.850	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.700%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	57967	5.454	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	75606	5.129	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.387	85	1699	0.153	ug/L	97
3) Chloromethane	1.515	50	2433	0.216	ug/L	94
12) 1,1-Dichloroethene	2.576	96	14091	1.600	ug/L #	23
17) Methyl tert-butyl Ether	3.367	73	3106	0.134	ug/L #	85
19) 1,1-Dichloroethane	3.869	63	12193	0.631	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	95070	8.690	ug/L	95
25) Chloroform	5.084	83	58988	2.932	ug/L	96
29) 1,1,1-Trichloroethane	5.316	97	2274	0.137	ug/L #	32
31) Carbon tetrachloride	5.521	117	2516	0.182	ug/L	95
34) Trichloroethene	6.541	95	43224	3.796	ug/L	98
42) Toluene	7.968	91	8545	0.196	ug/L	88

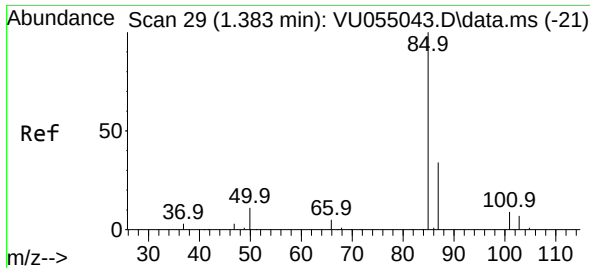
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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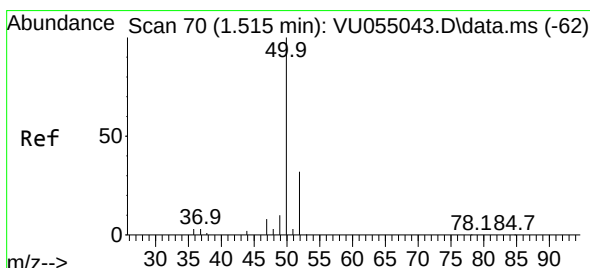
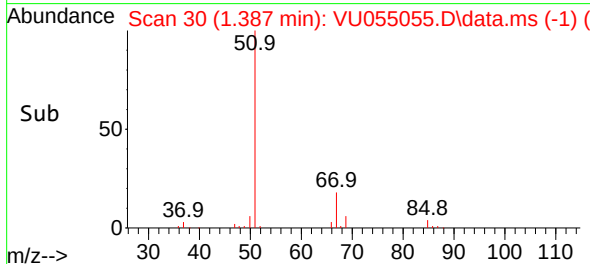
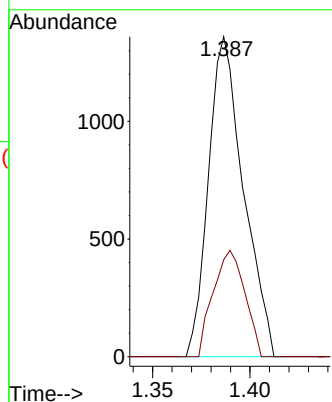
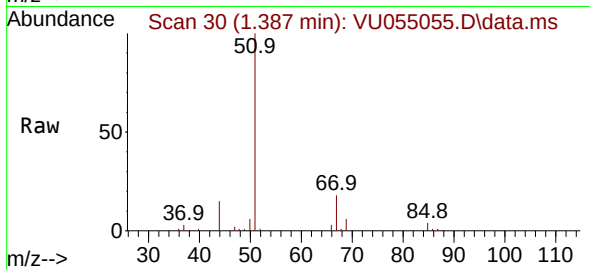




#2
 Dichlorodifluoromethane
 Concen: 0.153 ug/L
 RT: 1.387 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VU055055.D
 Acq: 01 Sep 2023 21:14

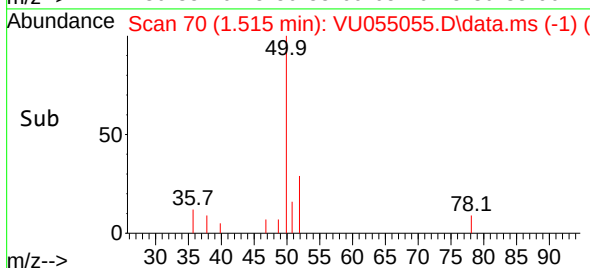
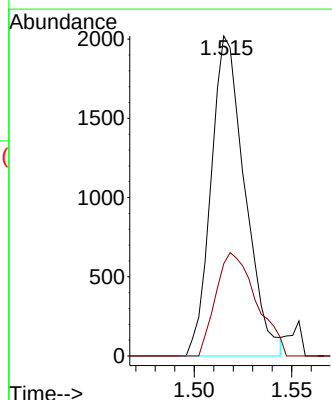
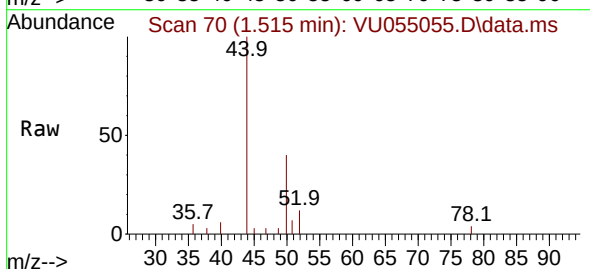
Instrument :
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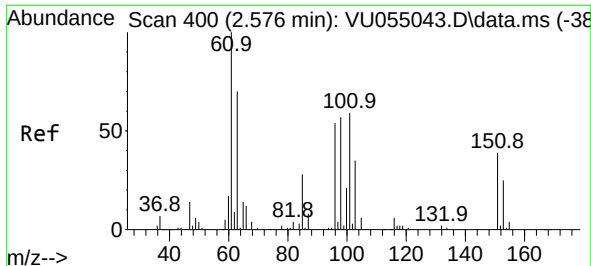
Tgt Ion: 85 Resp: 1699
 Ion Ratio Lower Upper
 85 100
 87 30.0 25.1 37.7



#3
 Chloromethane
 Concen: 0.216 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU055055.D
 Acq: 01 Sep 2023 21:14

Tgt Ion: 50 Resp: 2433
 Ion Ratio Lower Upper
 50 100
 52 28.8 22.5 41.7





#12

1,1-Dichloroethene

Concen: 1.600 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055055.D

Acq: 01 Sep 2023 21:14

Instrument :

MSVOA_U

ClientSampleId :

BH494

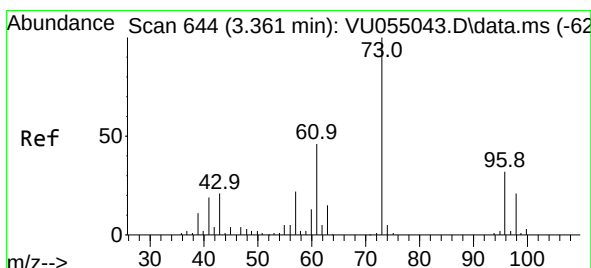
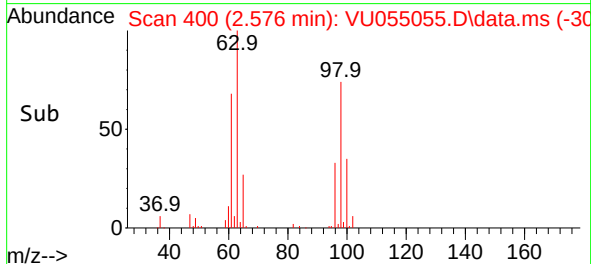
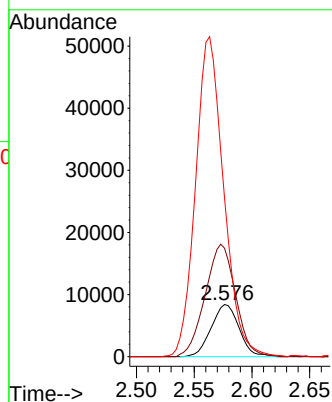
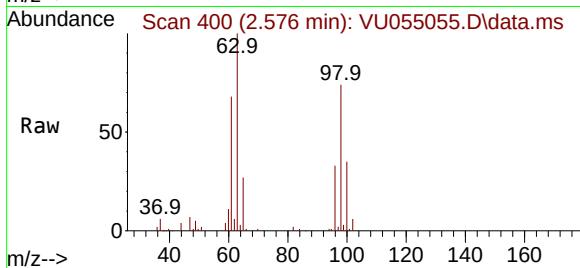
Tgt Ion: 96 Resp: 14091

Ion Ratio Lower Upper

96 100

61 207.7 120.8 224.4

63 304.4 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.134 ug/L

RT: 3.367 min Scan# 646

Delta R.T. 0.006 min

Lab File: VU055055.D

Acq: 01 Sep 2023 21:14

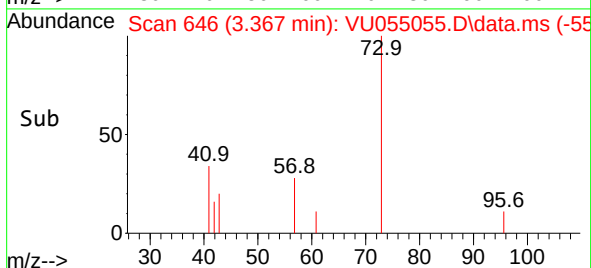
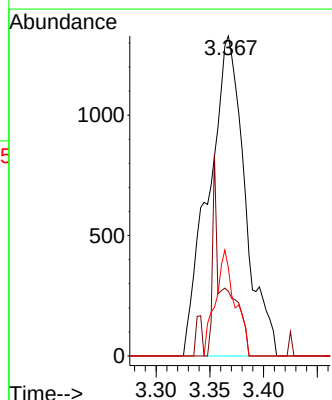
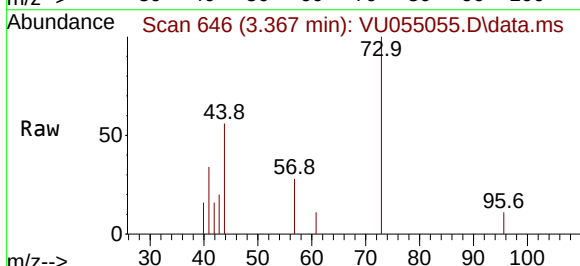
Tgt Ion: 73 Resp: 3106

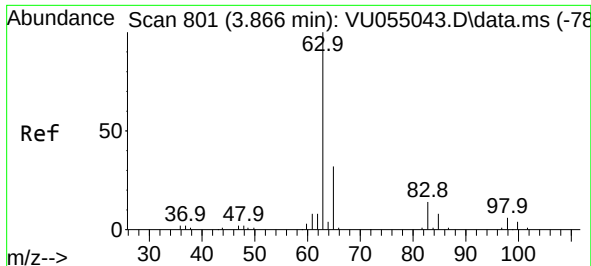
Ion Ratio Lower Upper

73 100

43 9.3 16.2 24.2#

57 18.1 17.4 26.2

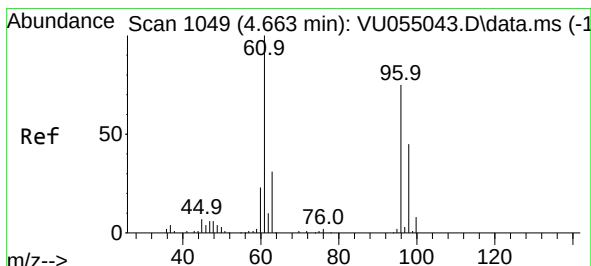
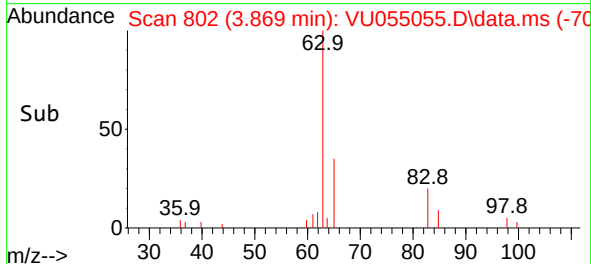
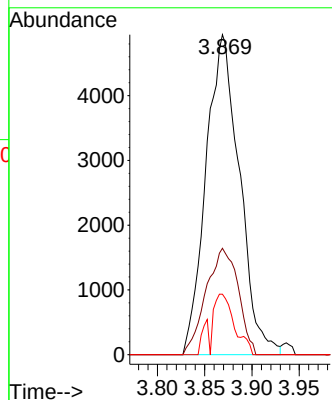
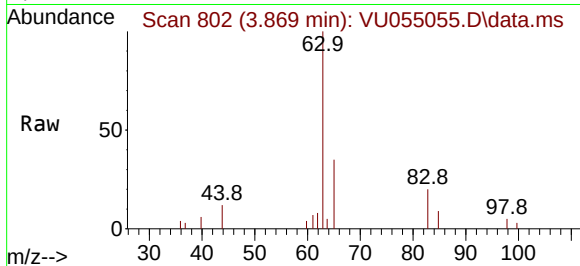




#19
1,1-Dichloroethane
Concen: 0.631 ug/L
RT: 3.869 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU055055.D
Acq: 01 Sep 2023 21:14

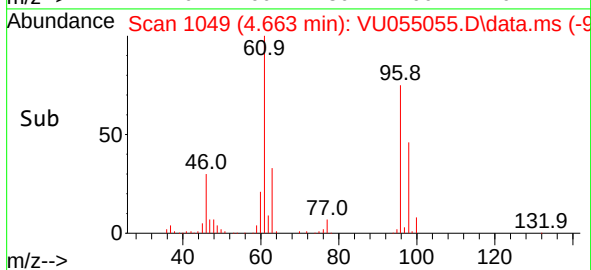
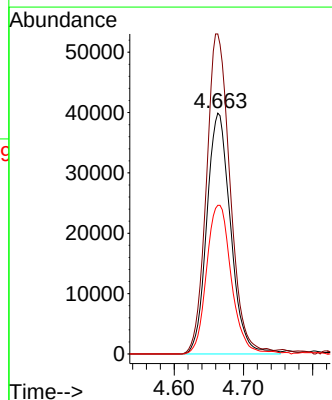
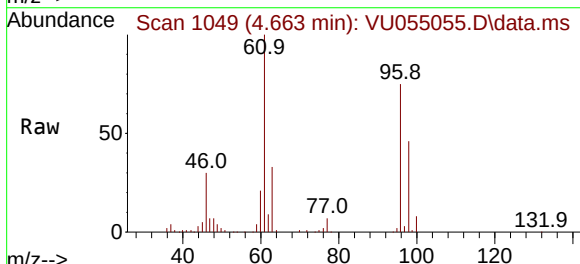
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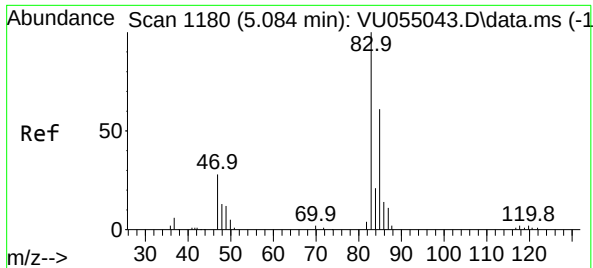
Tgt Ion: 63 Resp: 12193
Ion Ratio Lower Upper
63 100
65 33.3 22.2 41.2
83 18.9 10.6 19.8



#22
cis-1,2-Dichloroethene
Concen: 8.690 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055055.D
Acq: 01 Sep 2023 21:14

Tgt Ion: 96 Resp: 95070
Ion Ratio Lower Upper
96 100
61 132.9 97.2 180.4
98 61.7 46.1 85.7

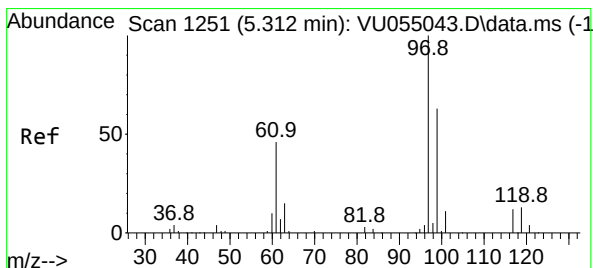
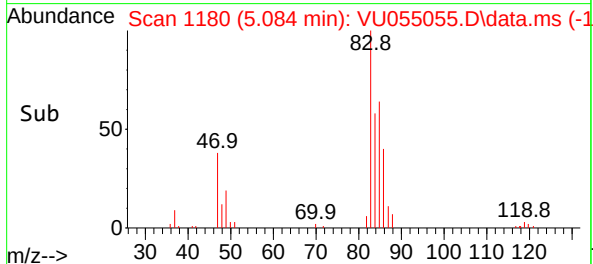
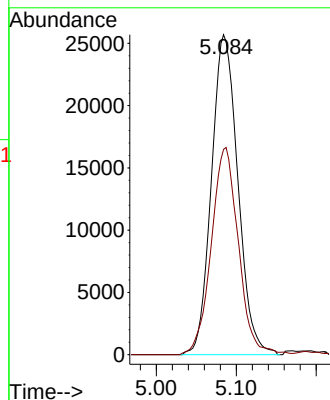
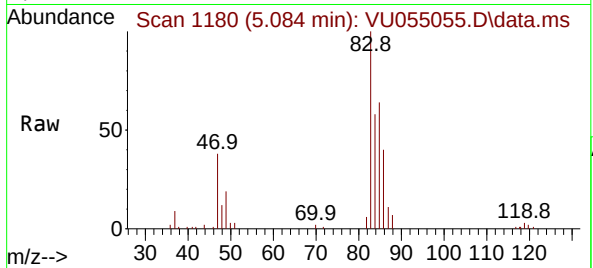




#25
Chloroform
Concen: 2.932 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VU055055.D
Acq: 01 Sep 2023 21:14

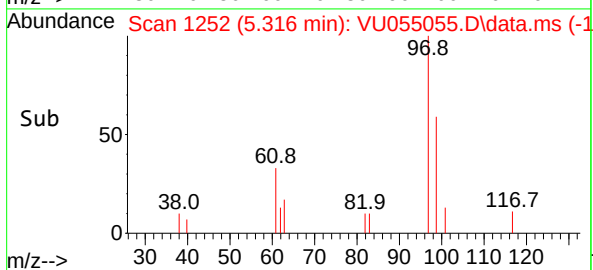
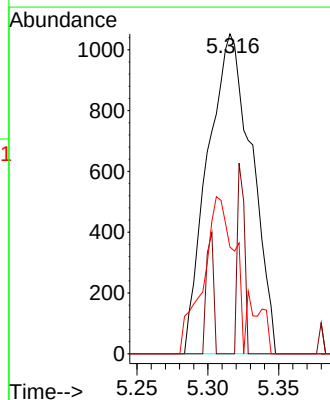
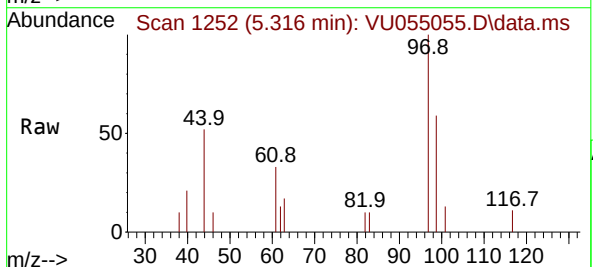
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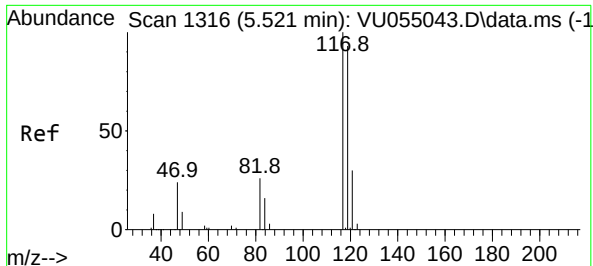
Tgt Ion: 83 Resp: 58988
Ion Ratio Lower Upper
83 100
85 64.1 47.2 87.6



#29
1,1,1-Trichloroethane
Concen: 0.137 ug/L
RT: 5.316 min Scan# 1252
Delta R.T. 0.003 min
Lab File: VU055055.D
Acq: 01 Sep 2023 21:14

Tgt Ion: 97 Resp: 2274
Ion Ratio Lower Upper
97 100
99 9.6 51.8 77.8#
61 3.5 36.8 55.2#

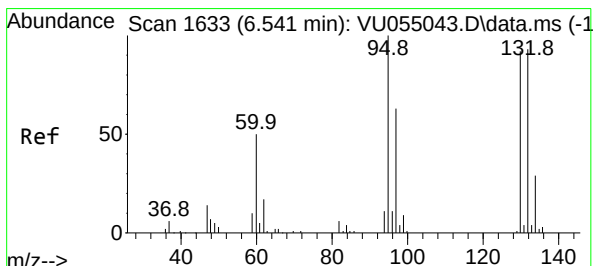
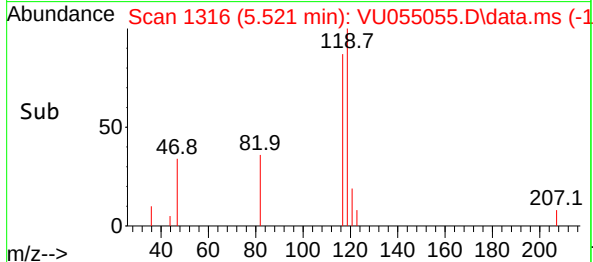
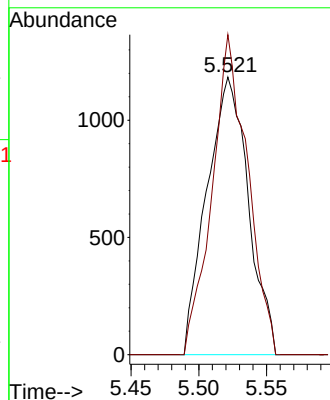
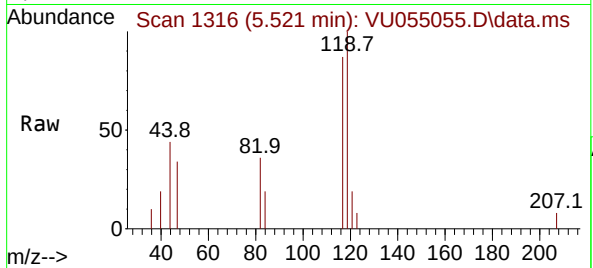




#31
Carbon tetrachloride
Concen: 0.182 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU055055.D
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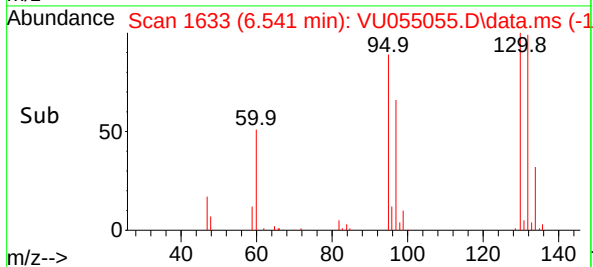
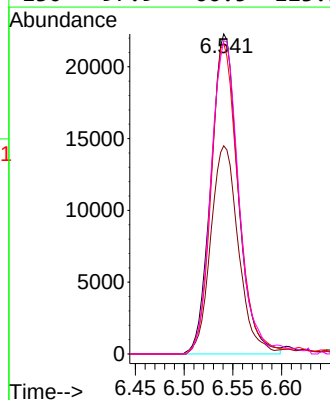
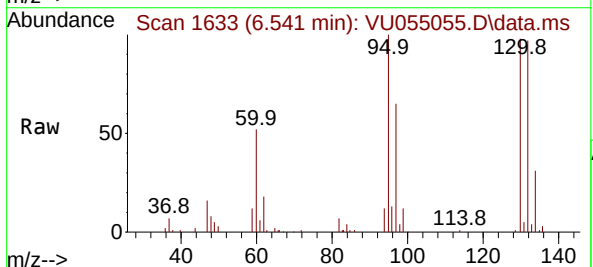
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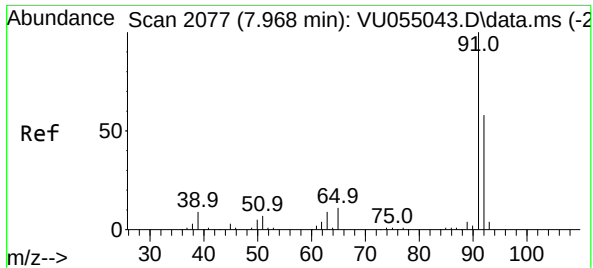
Tgt Ion:117 Resp: 2516
Ion Ratio Lower Upper
117 100
119 98.9 75.4 113.0



#34
Trichloroethene
Concen: 3.796 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055055.D
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Tgt Ion: 95 Resp: 43224
Ion Ratio Lower Upper
95 100
97 65.1 44.7 83.1
132 97.1 66.6 123.6
130 97.9 66.5 123.5





#42
 Toluene
 Concen: 0.196 ug/L
 RT: 7.968 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VU055055.D
 Acq: 01 Sep 2023 21:14

Instrument :
 MSVOA_U
 ClientSampleId :
 BH494

Tgt Ion: 91 Resp: 8545
 Ion Ratio Lower Upper
 91 100
 92 68.8 41.9 77.9

