

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055250.D
 Acq On : 12 Sep 2023 16:03
 Operator : MD/SY
 Sample : 04350-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 13 01:47:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 01:44:08 2023
 Response via : Initial Calibration

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

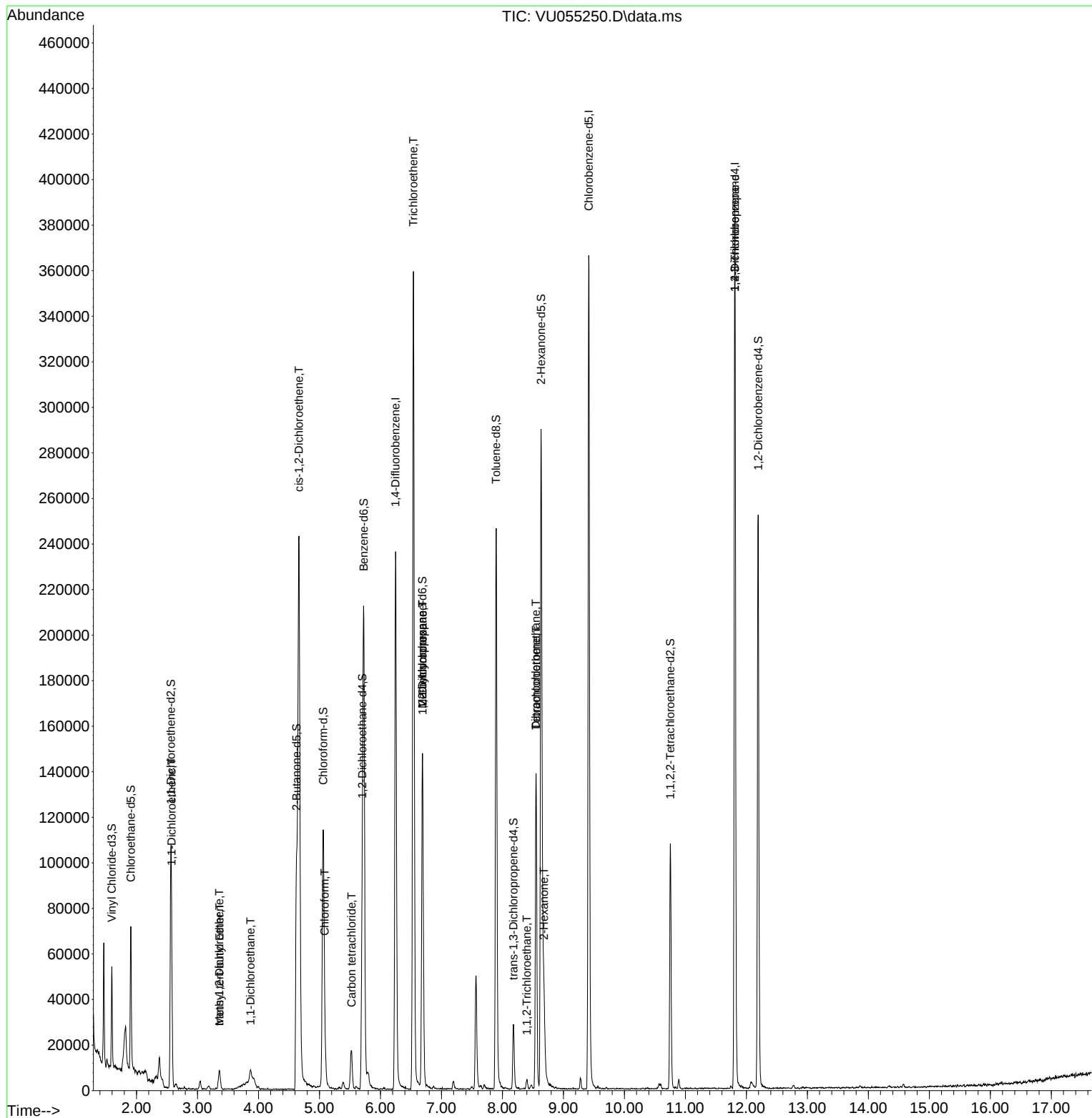
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	188983	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	206398	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	99555	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	30119	3.400	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.000%
7) Chloroethane-d5	1.907	69	44625	4.353	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.563	65	16472	3.264	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.200%
20) 2-Butanone-d5	4.624	46	143983	56.018	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.040%
24) Chloroform-d	5.062	84	104082	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.701	65	57249	4.869	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.727	84	197360	3.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.688	67	70772	4.367	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.897	98	168039	3.580	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.600%
43) trans-1,3-Dichloroprop...	8.180	79	16556	3.710	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.200%
46) 2-Hexanone-d5	8.634	63	92346	50.973	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.940%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52411	4.599	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	63955	4.401	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	12250	1.402	ug/L #	42
17) Methyl tert-butyl Ether	3.361	73	4533	0.198	ug/L #	85
18) trans-1,2-Dichloroethene	3.357	96	1190	0.134	ug/L	96
19) 1,1-Dichloroethane	3.869	63	5794	0.302	ug/L #	82
22) cis-1,2-Dichloroethene	4.663	96	116856	10.769	ug/L	96
25) Chloroform	5.084	83	12968	0.650	ug/L	93
31) Carbon tetrachloride	5.528	117	11078	0.746	ug/L	90
34) Trichloroethene	6.541	95	121263	9.933	ug/L	96
35) Methylcyclohexane	6.688	83	16990	0.992	ug/L #	19
37) 1,2-Dichloropropane	6.692	63	7941	0.664	ug/L #	89
45) 1,1,2-Trichloroethane	8.402	97	1453	0.180	ug/L	86
47) Tetrachloroethene	8.553	164	29136	3.453	ug/L	95
48) 2-Hexanone	8.682	43	19877	3.720	ug/L #	84
49) Dibromochloromethane	8.550	129	29771	3.386	ug/L #	9
61) 1,2,3-Trichloropropane	11.810	75	13137	1.988	ug/L #	68

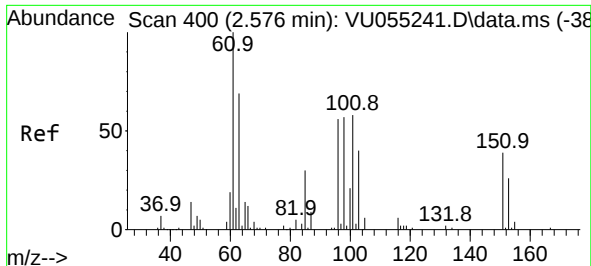
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 13 01:44:08 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.402 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055250.D

Acq: 12 Sep 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

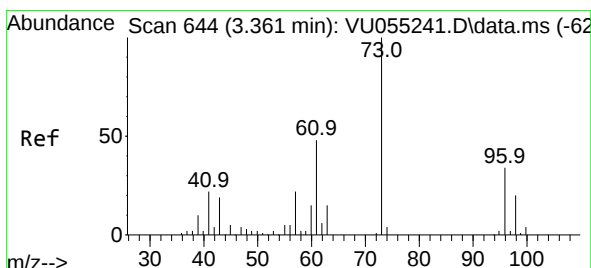
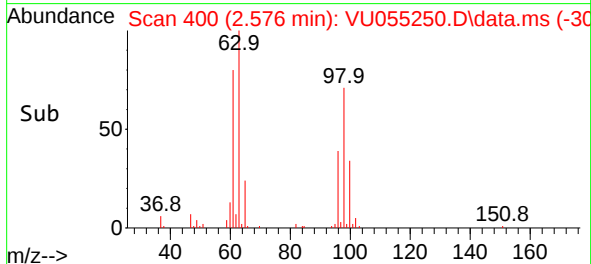
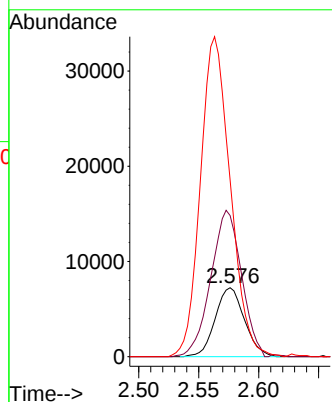
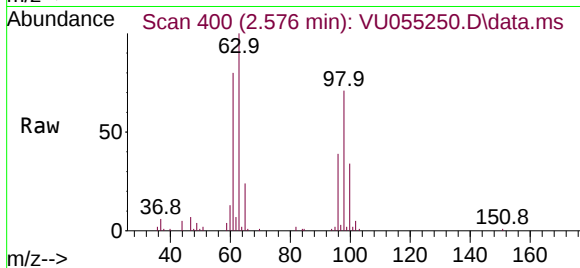
Tgt Ion: 96 Resp: 12250

Ion Ratio Lower Upper

96 100

61 204.7 120.8 224.4

63 256.2 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.198 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.000 min

Lab File: VU055250.D

Acq: 12 Sep 2023 16:03

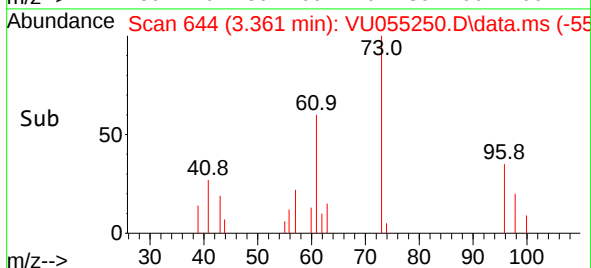
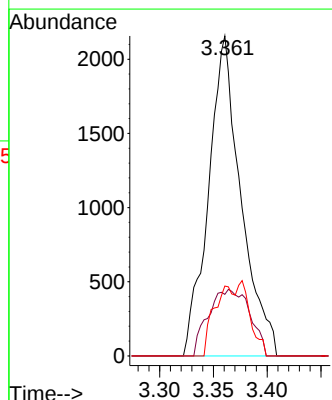
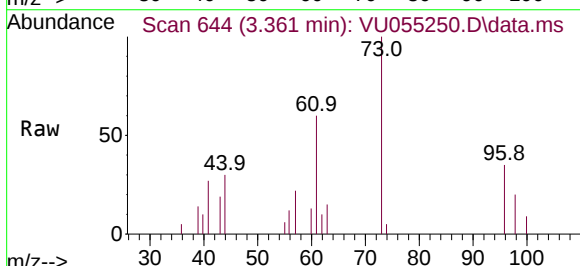
Tgt Ion: 73 Resp: 4533

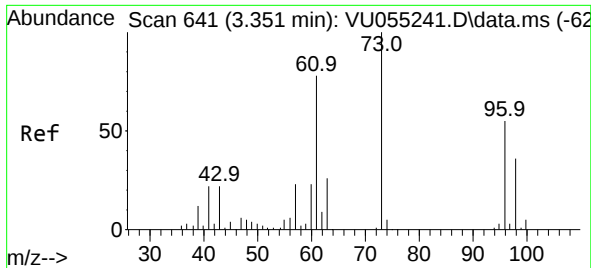
Ion Ratio Lower Upper

73 100

43 26.6 16.2 24.2#

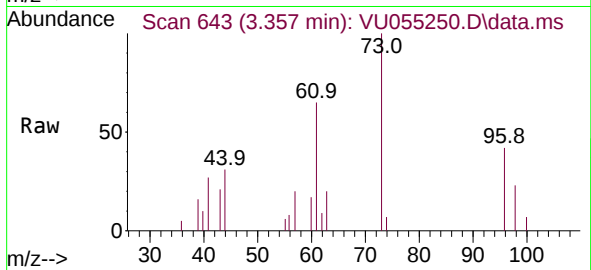
57 14.3 17.4 26.2#



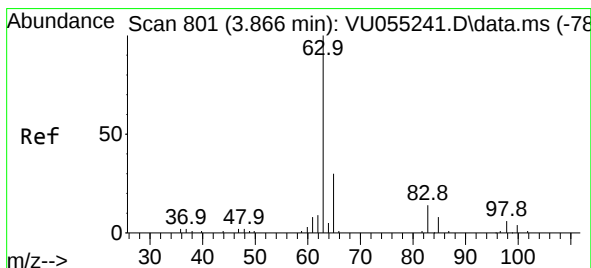
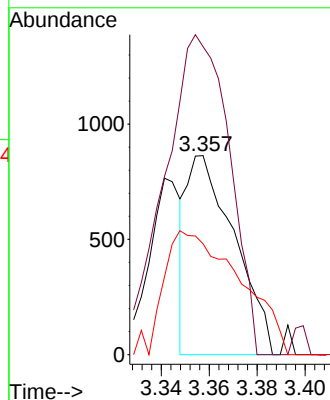
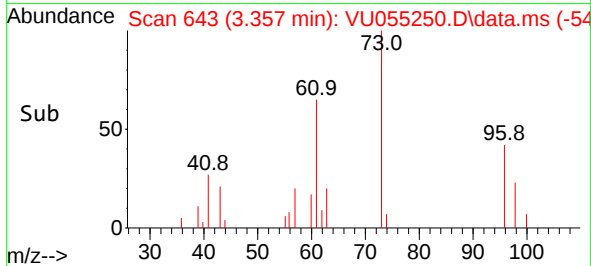


#18
 trans-1,2-Dichloroethene
 Concen: 0.134 ug/L
 RT: 3.357 min Scan# 641
 Delta R.T. 0.006 min
 Lab File: VU055250.D
 Acq: 12 Sep 2023 16:03

Instrument :
 MSVOA_U
 ClientSampleId :

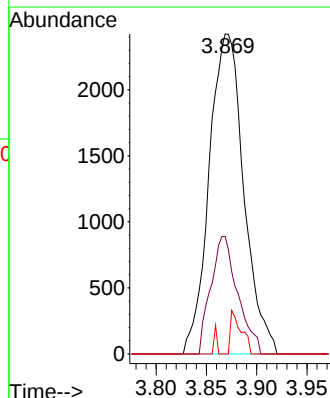
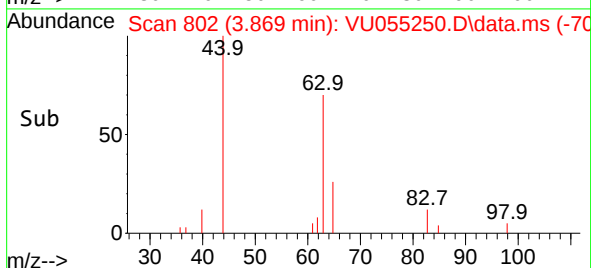
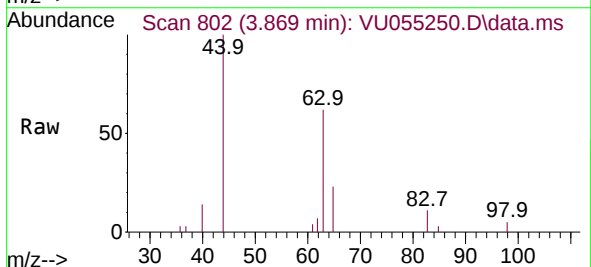


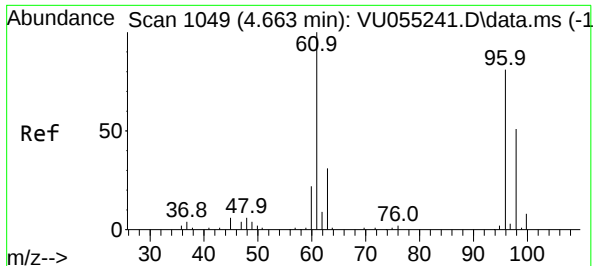
Tgt Ion:	96	Resp:	1190
Ion	Ratio	Lower	Upper
96	100		
61	154.8	108.1	200.9
98	55.7	45.4	84.4



#19
 1,1-Dichloroethane
 Concen: 0.302 ug/L
 RT: 3.869 min Scan# 802
 Delta R.T. 0.003 min
 Lab File: VU055250.D
 Acq: 12 Sep 2023 16:03

Tgt Ion:	63	Resp:	5794
Ion	Ratio	Lower	Upper
63	100		
65	36.7	22.2	41.2
83	0.0	10.6	19.8





#22

cis-1,2-Dichloroethene

Concen: 10.769 ug/L

RT: 4.663 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU055250.D

Acq: 12 Sep 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

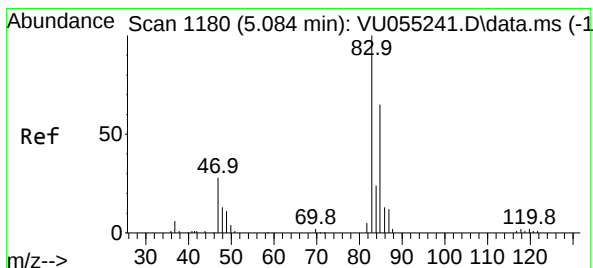
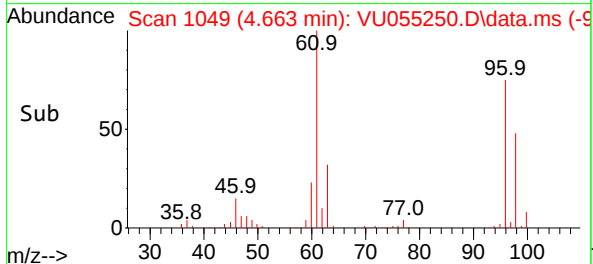
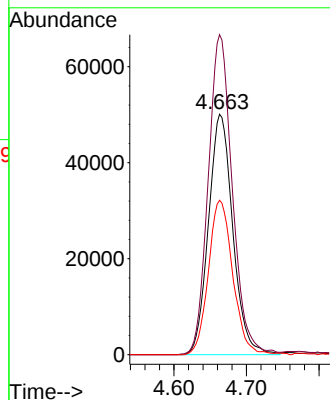
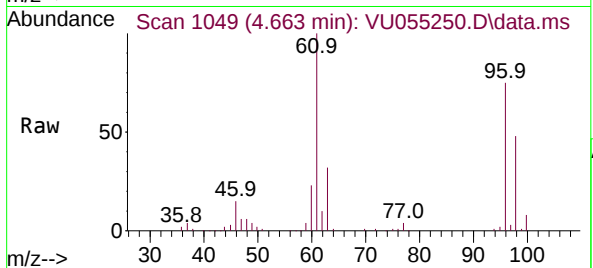
Tgt Ion: 96 Resp: 116856

Ion Ratio Lower Upper

96 100

61 133.1 97.2 180.4

98 64.2 46.1 85.7



#25

Chloroform

Concen: 0.650 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055250.D

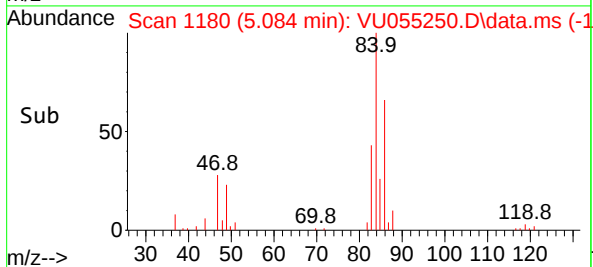
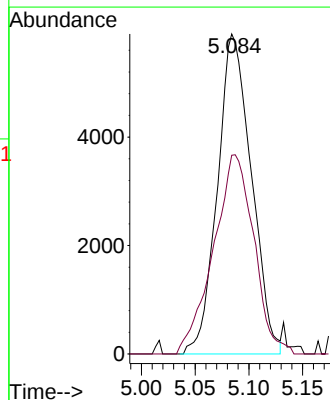
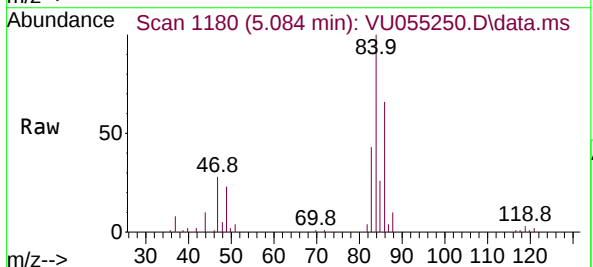
Acq: 12 Sep 2023 16:03

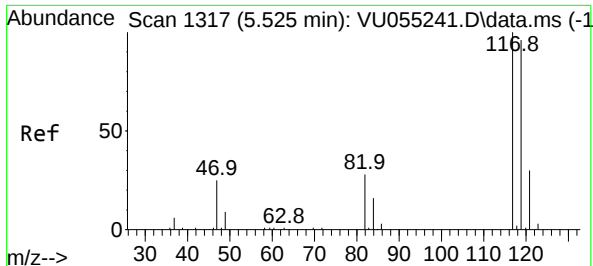
Tgt Ion: 83 Resp: 12968

Ion Ratio Lower Upper

83 100

85 62.1 47.2 87.6

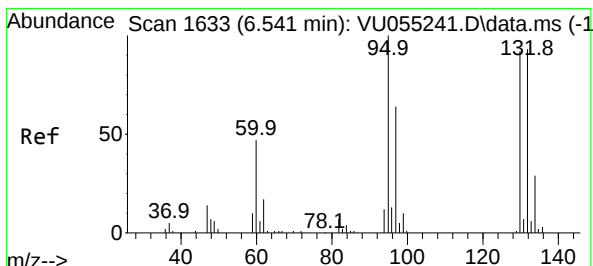
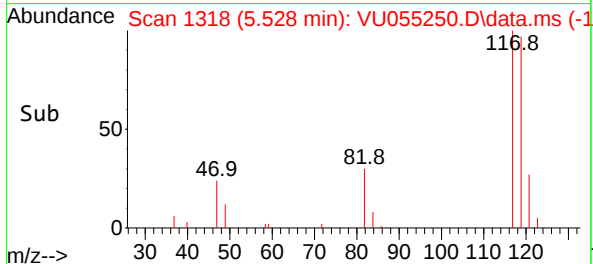
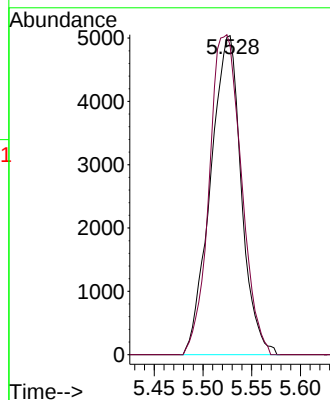
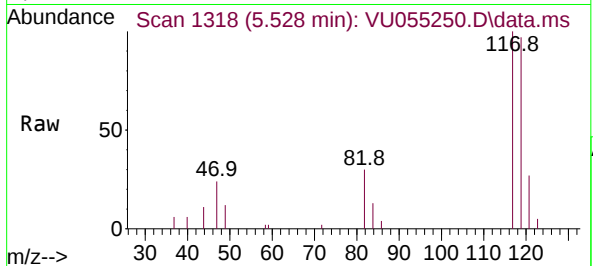




#31
Carbon tetrachloride
Concen: 0.746 ug/L
RT: 5.528 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

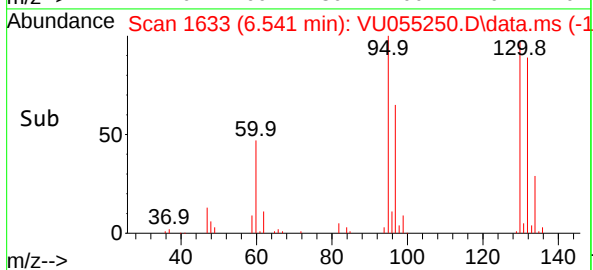
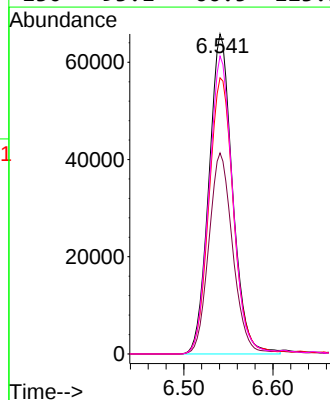
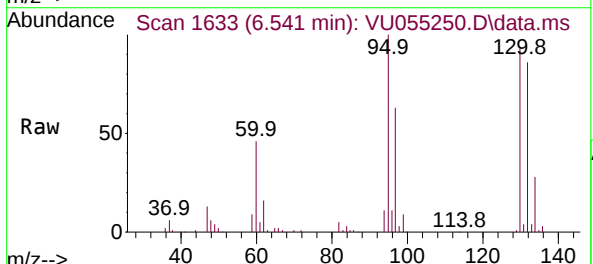
Instrument :
MSVOA_U
ClientSampleId :

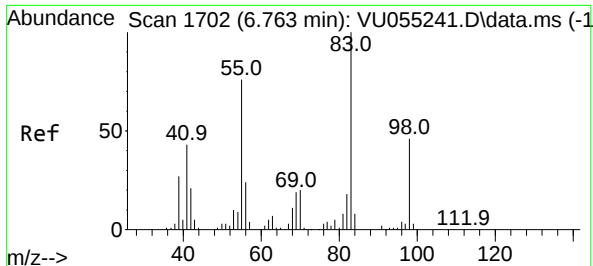
Tgt Ion: 117 Resp: 11078
Ion Ratio Lower Upper
117 100
119 104.3 75.4 113.0



#34
Trichloroethene
Concen: 9.933 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Tgt Ion: 95 Resp: 121263
Ion Ratio Lower Upper
95 100
97 62.8 44.7 83.1
132 86.3 66.6 123.6
130 93.1 66.5 123.5

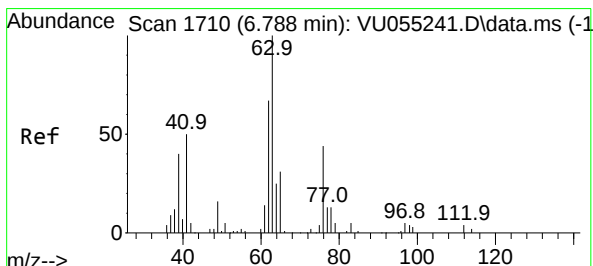
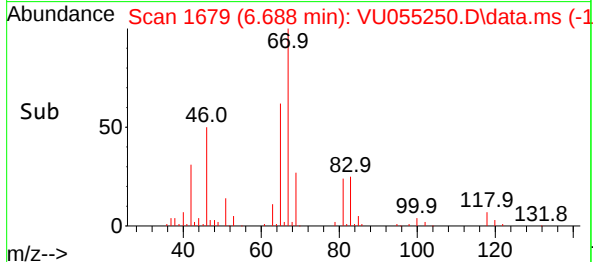
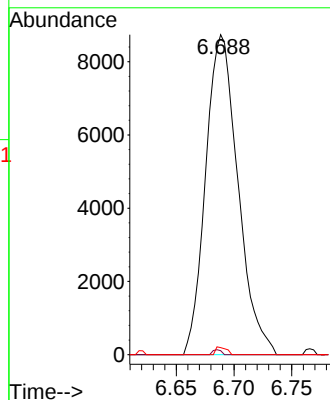
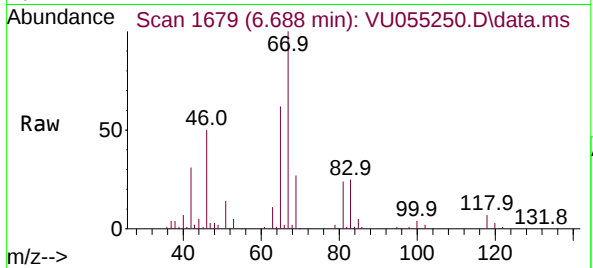




#35
Methylcyclohexane
Concen: 0.992 ug/L
RT: 6.688 min Scan# 1680
Delta R.T. -0.074 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

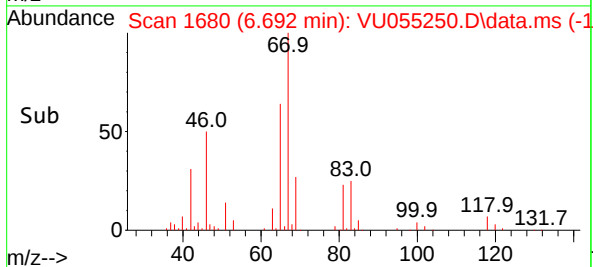
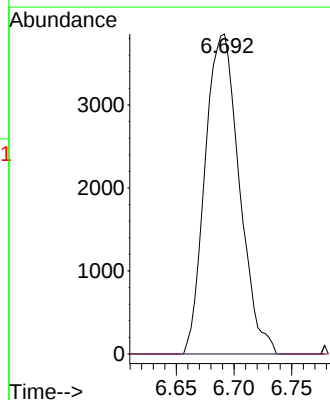
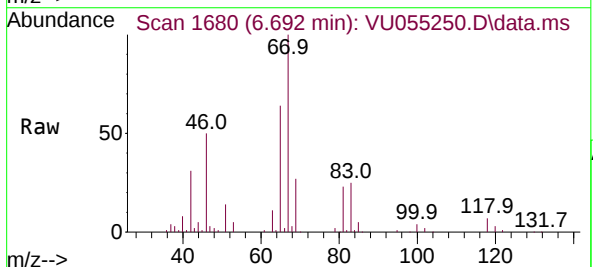
Instrument :
MSVOA_U
ClientSampleId :

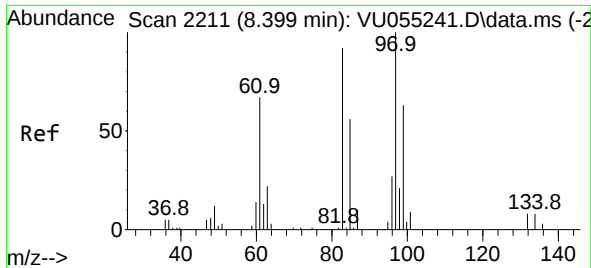
Tgt Ion: 83 Resp: 16990
Ion Ratio Lower Upper
83 100
55 0.4 60.4 90.6#
98 0.0 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.664 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.097 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

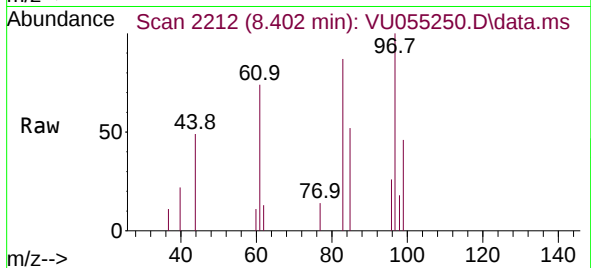
Tgt Ion: 63 Resp: 7941
Ion Ratio Lower Upper
63 100
112 0.5 3.2 4.8#



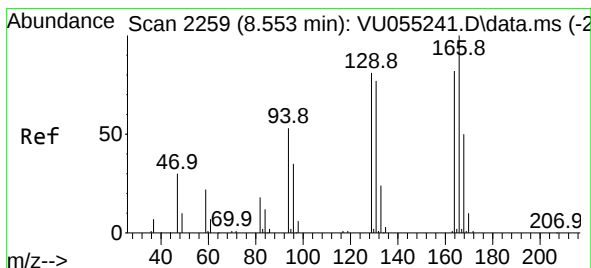
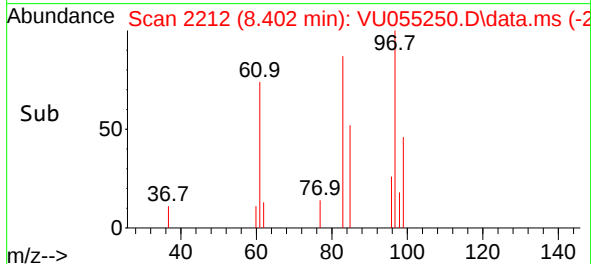
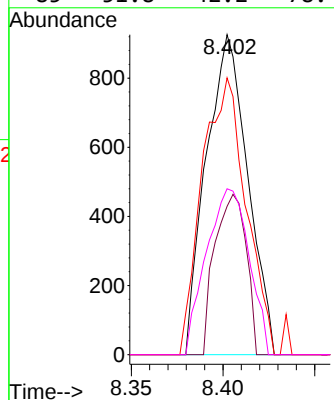


#45
1,1,2-Trichloroethane
Concen: 0.180 ug/L
RT: 8.402 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Instrument :
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ClientSampleId :

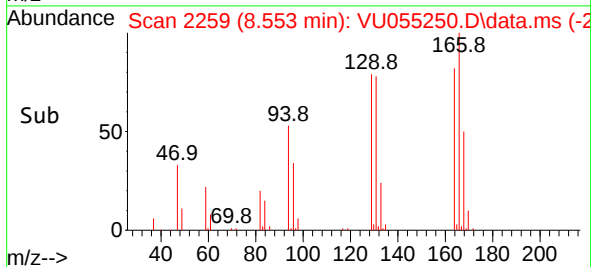
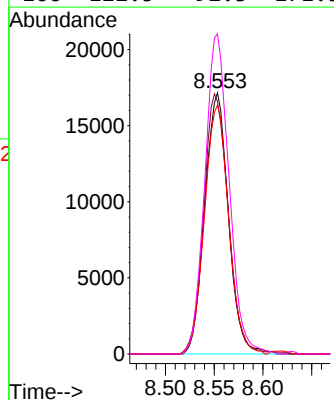
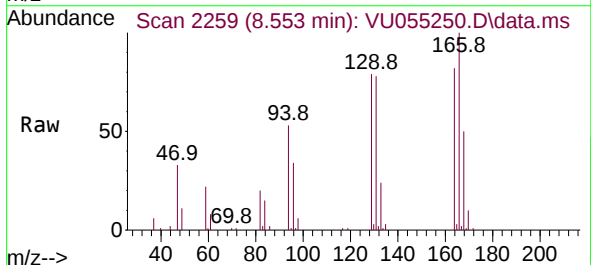


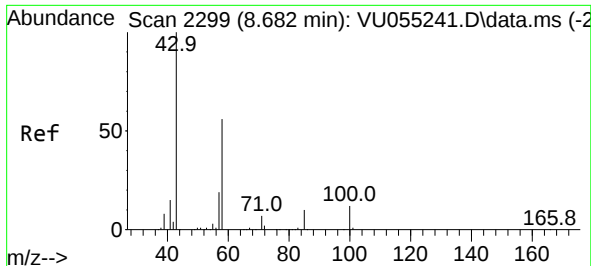
Tgt Ion:	97	Resp:	1453
Ion	Ratio	Lower	Upper
97	100		
99	46.3	44.9	83.5
83	86.5	66.9	124.3
85	51.8	42.2	78.4



#47
Tetrachloroethene
Concen: 3.453 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.000 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

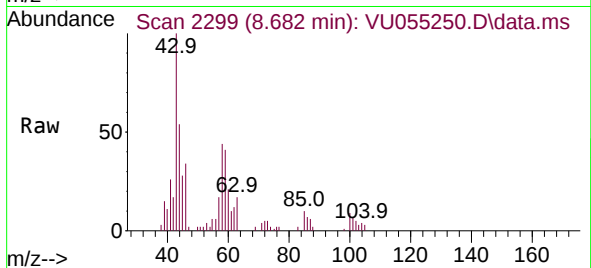
Tgt Ion:	164	Resp:	29136
Ion	Ratio	Lower	Upper
164	100		
129	96.7	69.2	128.6
131	95.3	68.8	127.8
166	122.5	92.3	171.5



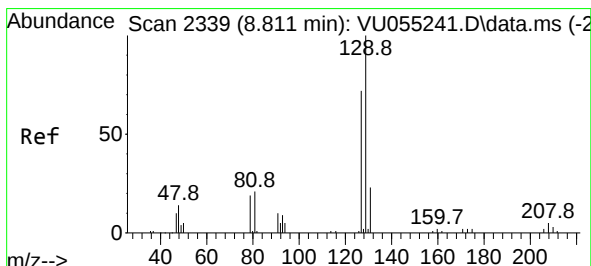
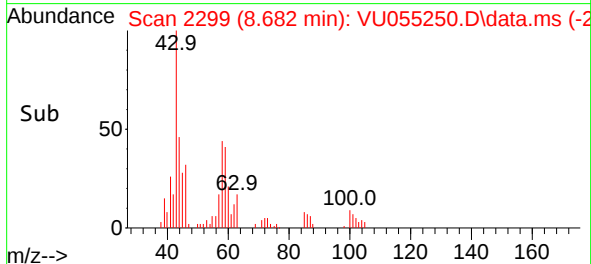
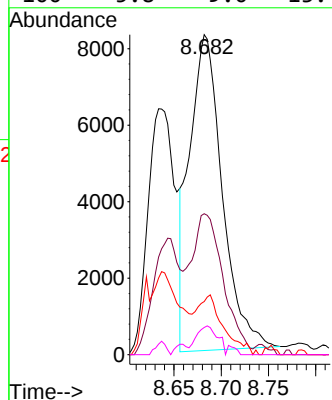


#48
2-Hexanone
Concen: 3.720 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

Instrument :
MSVOA_U
ClientSampleId :

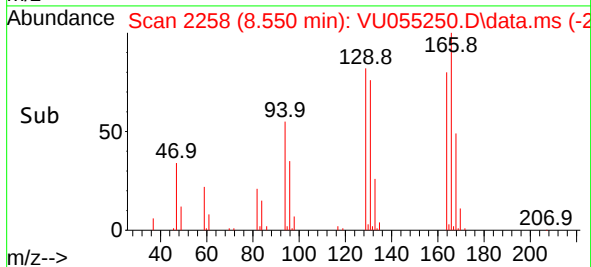
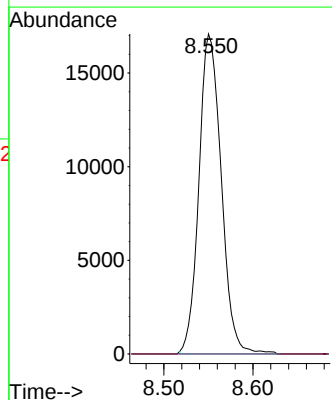
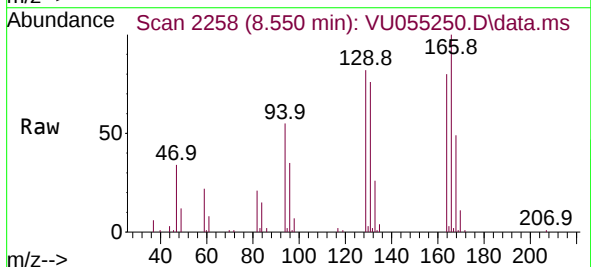


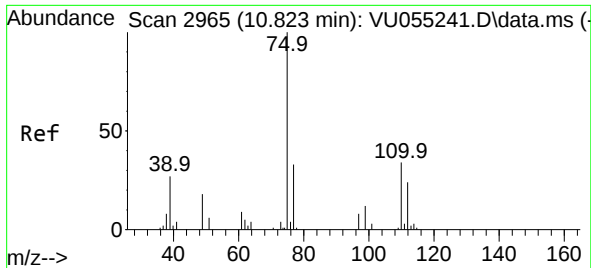
Tgt Ion: 43 Resp: 19877
Ion Ratio Lower Upper
43 100
58 42.2 44.0 66.0#
57 15.2 16.2 24.2#
100 5.8 9.0 13.4#



#49
Dibromochloromethane
Concen: 3.386 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.261 min
Lab File: VU055250.D
Acq: 12 Sep 2023 16:03

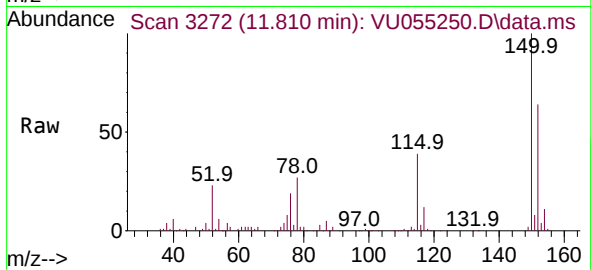
Tgt Ion:129 Resp: 29771
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#





#61
 1,2,3-Trichloropropane
 Concen: 1.988 ug/L
 RT: 11.810 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU055250.D
 Acq: 12 Sep 2023 16:03

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	1.9	28.2	42.2#
77	35.2	26.2	39.4

