

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU055001.D
 Acq On : 30 Aug 2023 16:04
 Operator : MD/SY
 Sample : 04230-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 02:37:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	176676	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	167954	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	87288	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	18376	3.295	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.000%
7) Chloroethane-d5	1.907	69	25954	3.603	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.000%
11) 1,1-Dichloroethene-d2	2.560	65	11251	3.570	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.400%
20) 2-Butanone-d5	4.628	46	165422	54.958	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.920%
24) Chloroform-d	5.062	84	85130	4.115	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	5.702	65	48783	4.432	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.724	84	146244	3.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.692	67	55067	4.147	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.898	98	131489	3.637	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
43) trans-1,3-Dichloroprop...	8.181	79	16834	3.852	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.634	63	111259	53.644	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.280%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	53570	4.705	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	59526	4.271	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	2429	0.213	ug/L	86
12) 1,1-Dichloroethene	2.573	96	4788	0.600	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	20004	0.862	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	6464	0.741	ug/L	88
19) 1,1-Dichloroethane	3.859	63	6917	0.378	ug/L	89
22) cis-1,2-Dichloroethene	4.663	96	733300	70.552	ug/L	97
25) Chloroform	5.084	83	14497	0.723	ug/L	100
31) Carbon tetrachloride	5.521	117	3482	0.245	ug/L	94
34) Trichloroethene	6.541	95	2120856	193.148	ug/L	98
35) Methylcyclohexane	6.689	83	13838	0.852	ug/L #	18
37) 1,2-Dichloropropane	6.689	63	6577	0.595	ug/L #	90
45) 1,1,2-Trichloroethane	8.406	97	2687	0.360	ug/L	92
47) Tetrachloroethene	8.550	164	15078	1.911	ug/L	97
48) 2-Hexanone	8.685	43	14630	3.208	ug/L #	83
49) Dibromochloromethane	8.550	129	15571	1.803	ug/L #	6
61) 1,2,3-Trichloropropane	11.807	75	12779	1.966	ug/L #	68

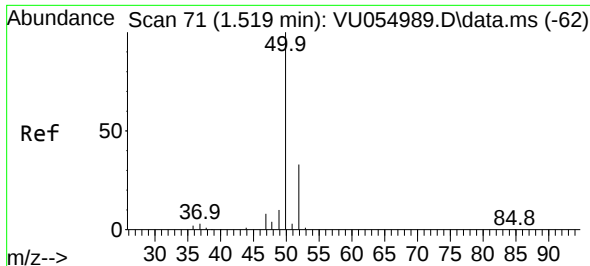
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :

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MSVOA_U
ClientSampleId :

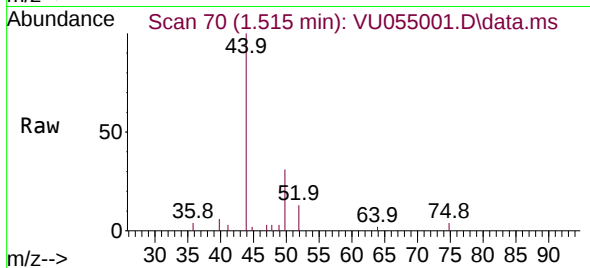
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MSVOA_U
ClientSampleId :



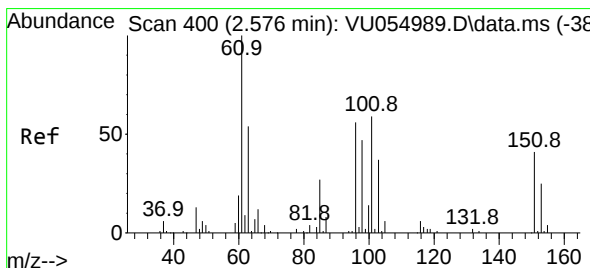
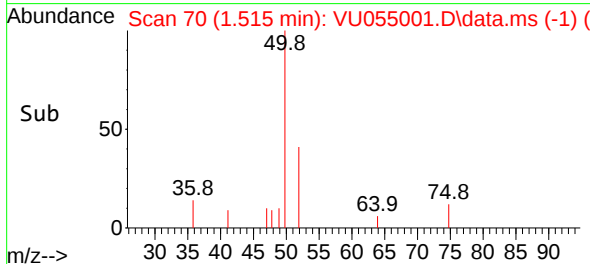
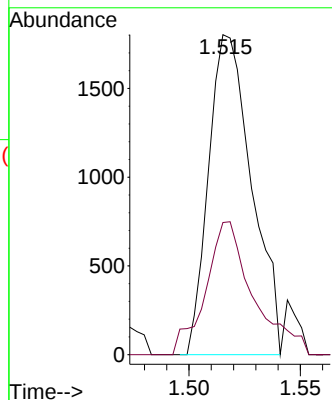


#3
Chloromethane
Concen: 0.213 ug/L
RT: 1.515 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Instrument :
MSVOA_U
ClientSampleId :

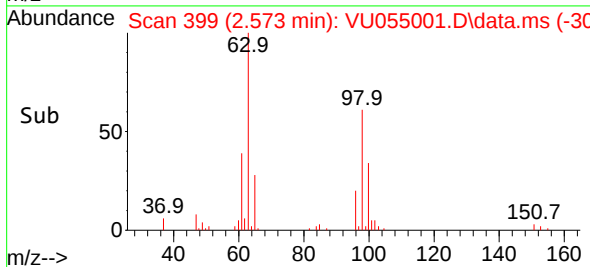
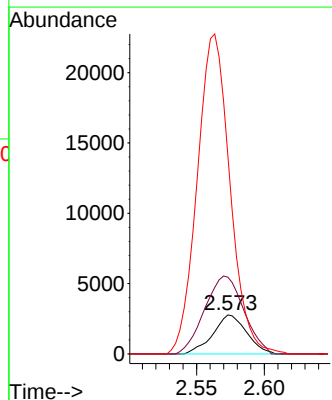
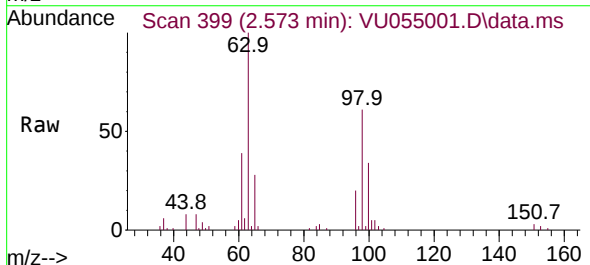


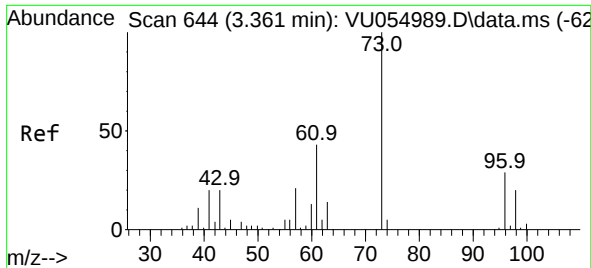
Tgt Ion: 50 Resp: 2429
Ion Ratio Lower Upper
50 100
52 41.3 23.4 43.6



#12
1,1-Dichloroethene
Concen: 0.600 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

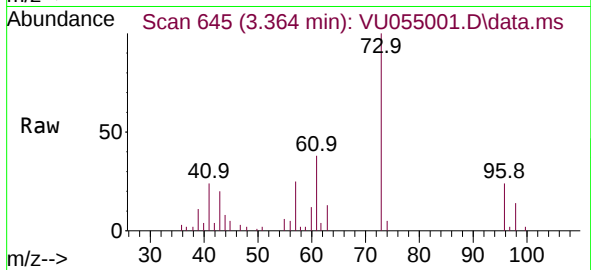
Tgt Ion: 96 Resp: 4788
Ion Ratio Lower Upper
96 100
61 196.3 132.4 245.8
63 507.7 82.5 153.1#



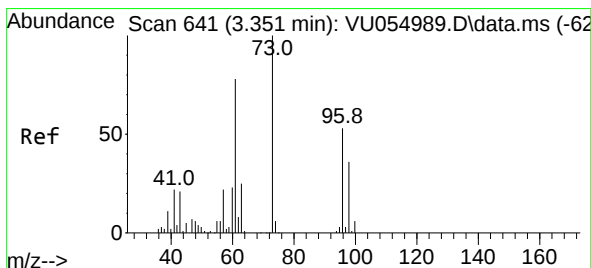
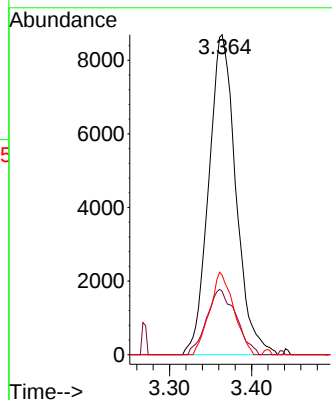
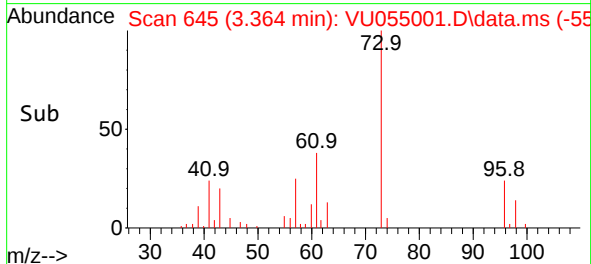


#17
Methyl tert-butyl Ether
Concen: 0.862 ug/L
RT: 3.364 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Instrument :
MSVOA_U
ClientSampleId :

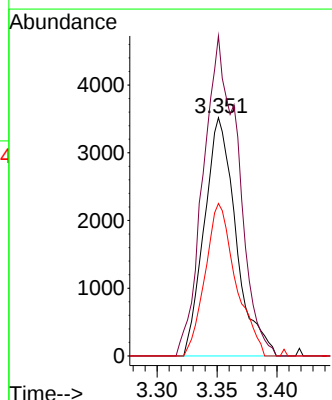
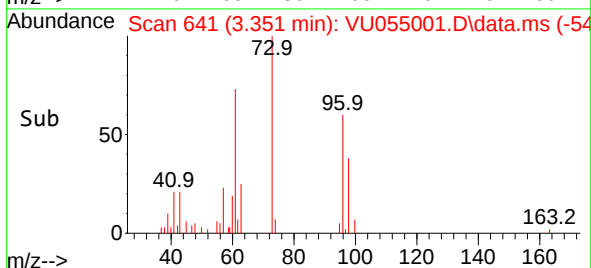
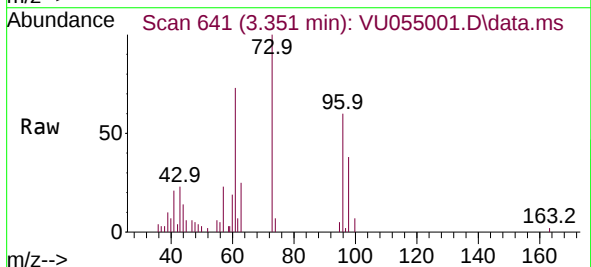


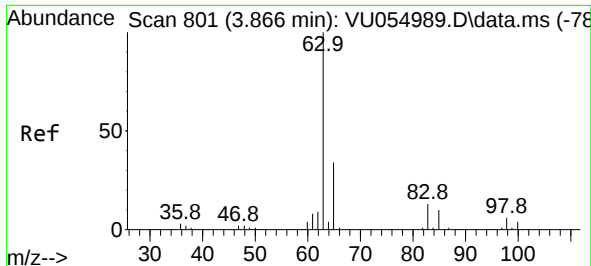
Tgt Ion: 73 Resp: 20004
Ion Ratio Lower Upper
73 100
43 22.0 16.2 24.2
57 23.0 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 0.741 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Tgt Ion: 96 Resp: 6464
Ion Ratio Lower Upper
96 100
61 134.4 108.8 202.0
98 64.1 45.8 85.2





#19

1,1-Dichloroethane

Concen: 0.378 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.007 min

Lab File: VU055001.D

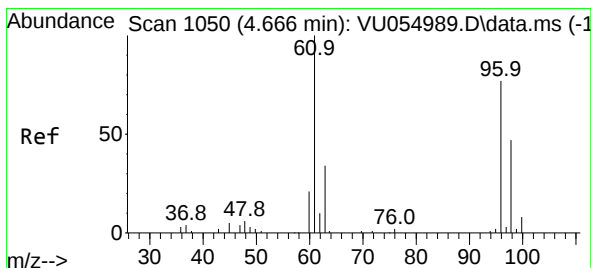
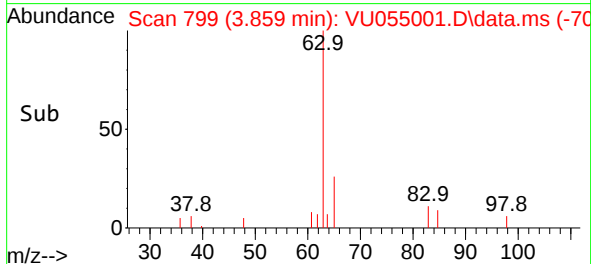
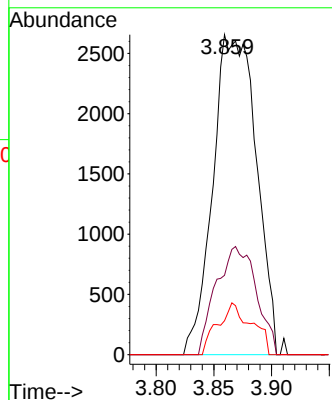
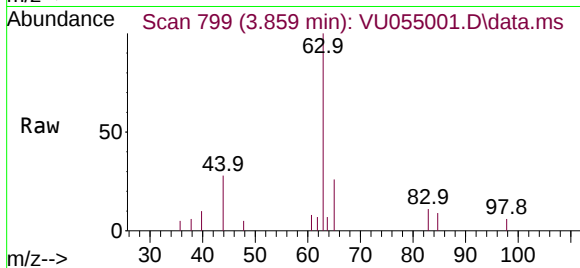
Acq: 30 Aug 2023 16:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	6917
Ion	Ratio	Lower	Upper
63	100		
65	24.8	22.5	41.7
83	10.6	9.5	17.7



#22

cis-1,2-Dichloroethene

Concen: 70.552 ug/L

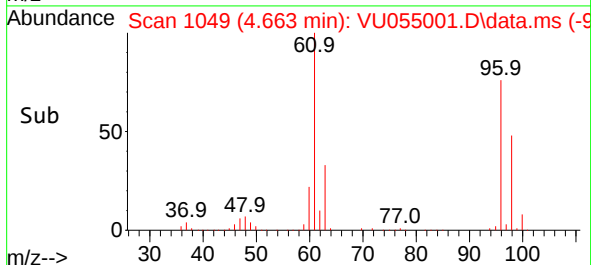
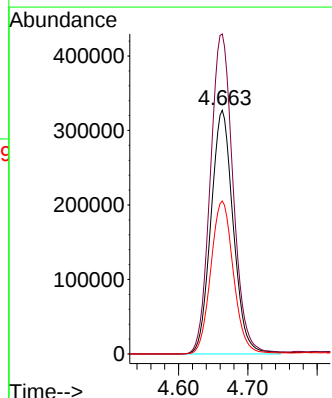
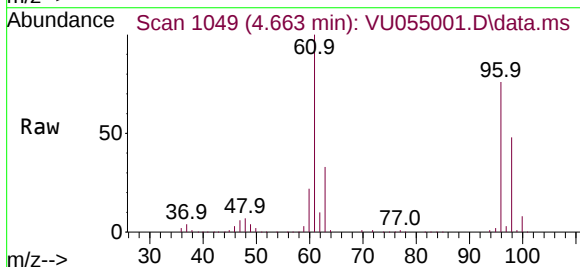
RT: 4.663 min Scan# 1049

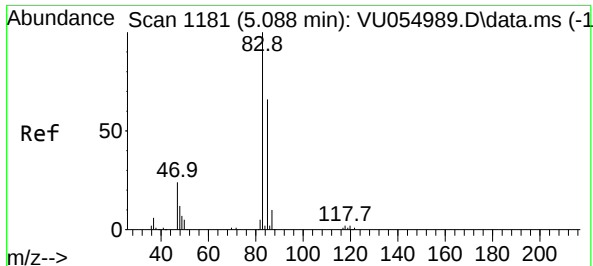
Delta R.T. -0.003 min

Lab File: VU055001.D

Acq: 30 Aug 2023 16:04

Tgt Ion:	96	Resp:	733300
Ion	Ratio	Lower	Upper
96	100		
61	131.3	88.4	164.2
98	62.8	44.0	81.6





#25

Chloroform

Concen: 0.723 ug/L

RT: 5.084 min Scan# 1181

Delta R.T. -0.003 min

Lab File: VU055001.D

Acq: 30 Aug 2023 16:04

Instrument :

MSVOA_U

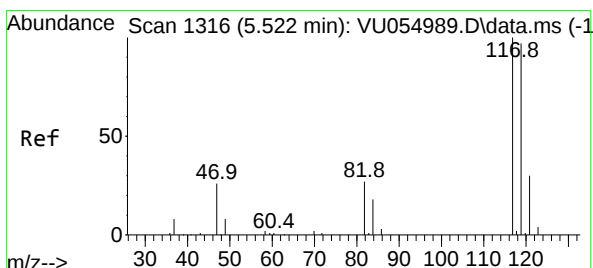
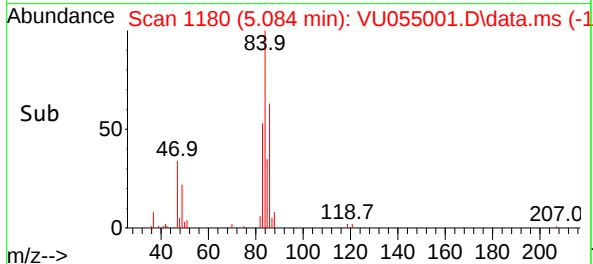
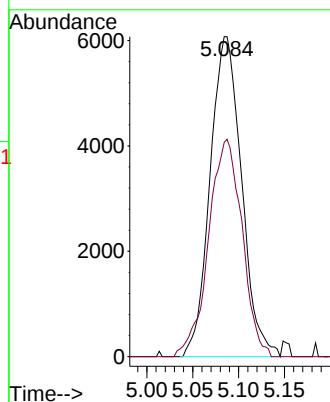
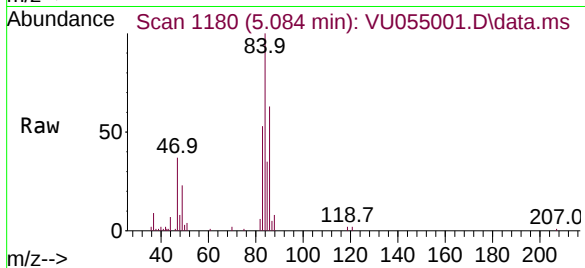
ClientSampleId :

Tgt Ion: 83 Resp: 14497

Ion Ratio Lower Upper

83 100

85 66.9 46.7 86.7



#31

Carbon tetrachloride

Concen: 0.245 ug/L

RT: 5.521 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VU055001.D

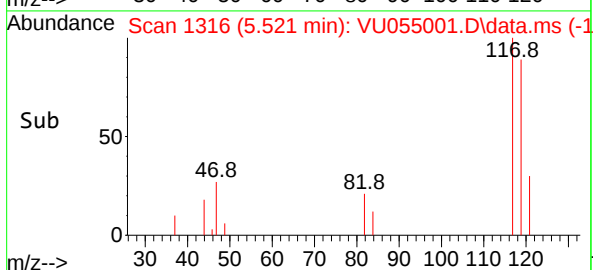
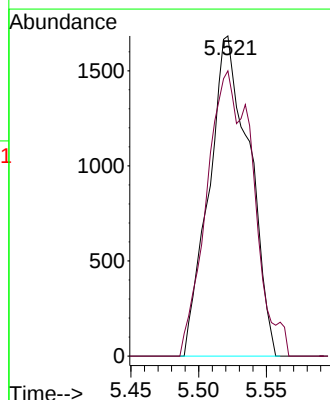
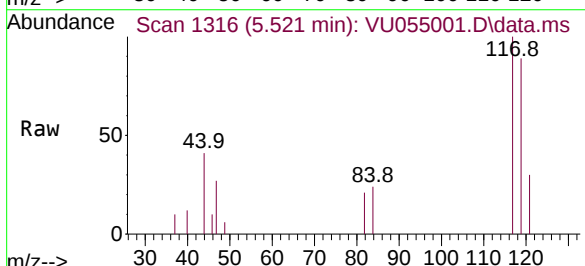
Acq: 30 Aug 2023 16:04

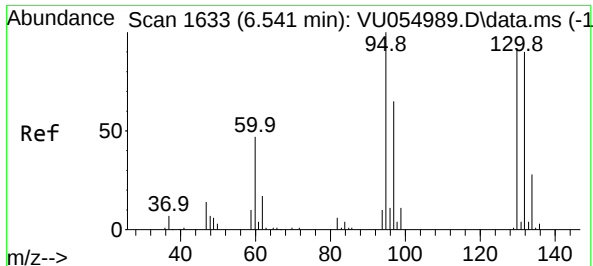
Tgt Ion: 117 Resp: 3482

Ion Ratio Lower Upper

117 100

119 101.9 76.6 115.0





#34

Trichloroethene

Concen: 193.148 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055001.D

Acq: 30 Aug 2023 16:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 2120856

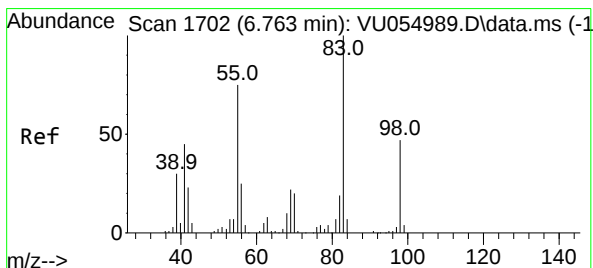
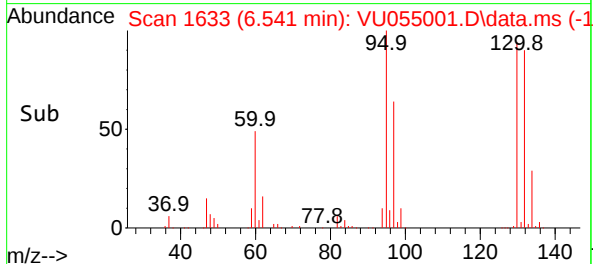
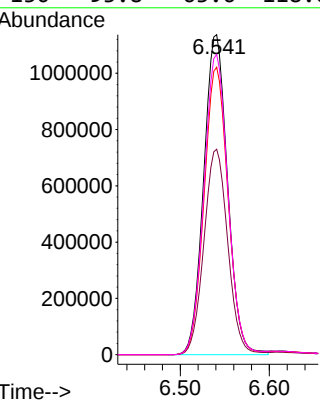
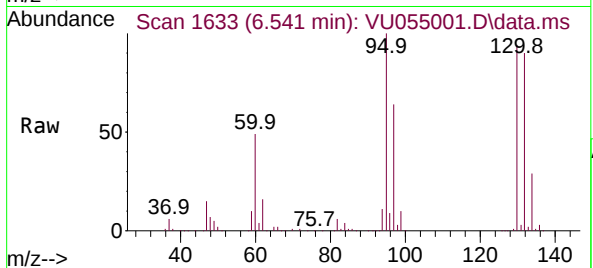
Ion Ratio Lower Upper

95 100

97 64.2 44.1 81.9

132 89.9 63.6 118.2

130 93.8 63.6 118.0



#35

Methylcyclohexane

Concen: 0.852 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.074 min

Lab File: VU055001.D

Acq: 30 Aug 2023 16:04

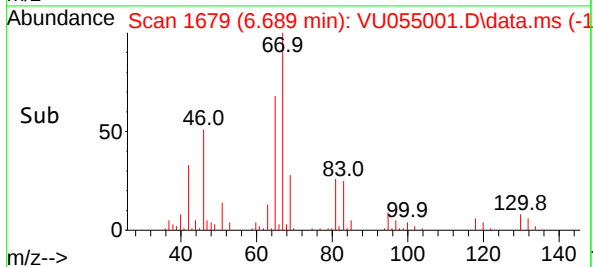
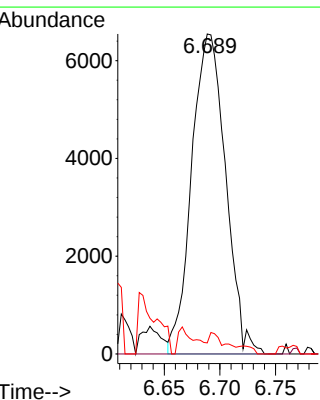
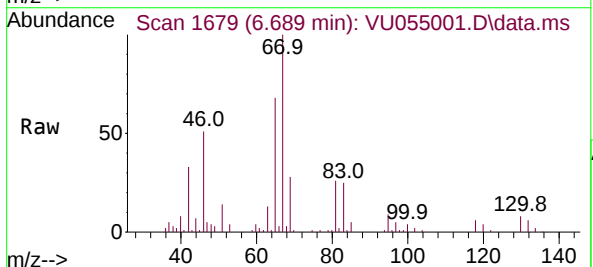
Tgt Ion: 83 Resp: 13838

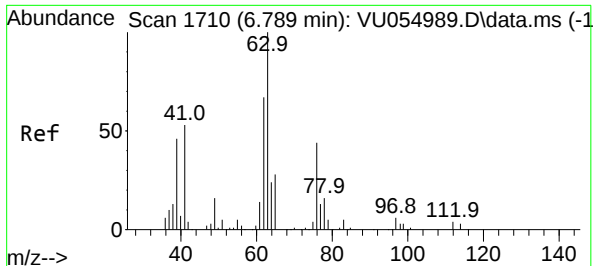
Ion Ratio Lower Upper

83 100

55 0.3 62.1 93.1#

98 0.0 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.595 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU055001.D

Acq: 30 Aug 2023 16:04

Instrument :

MSVOA_U

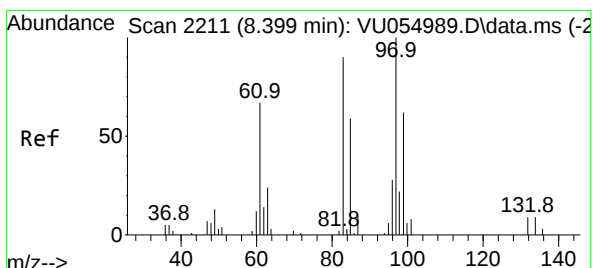
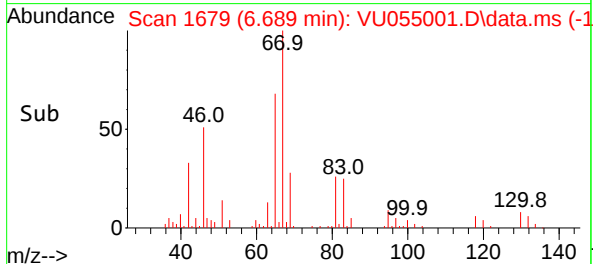
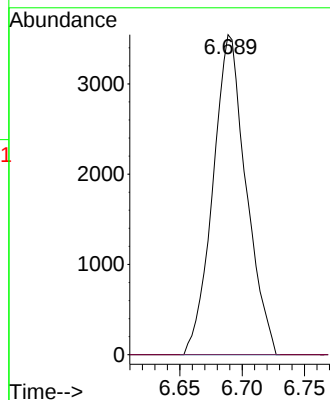
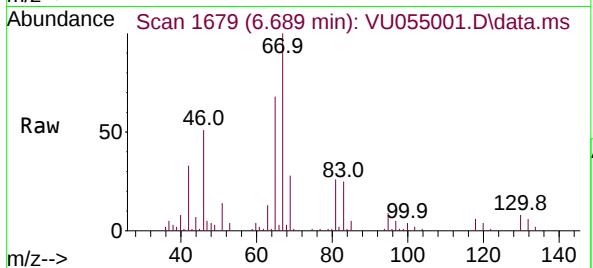
ClientSampleId :

Tgt Ion: 63 Resp: 6577

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#45

1,1,2-Trichloroethane

Concen: 0.360 ug/L

RT: 8.406 min Scan# 2213

Delta R.T. 0.006 min

Lab File: VU055001.D

Acq: 30 Aug 2023 16:04

Tgt Ion: 97 Resp: 2687

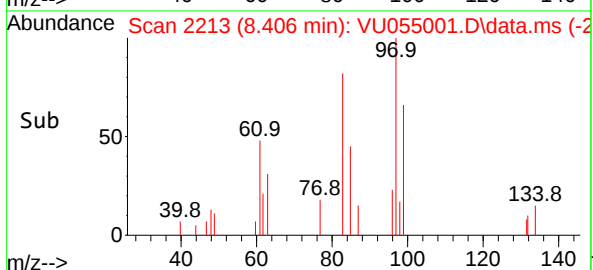
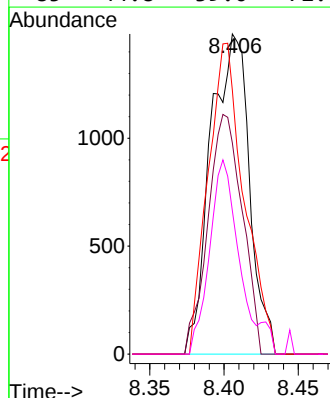
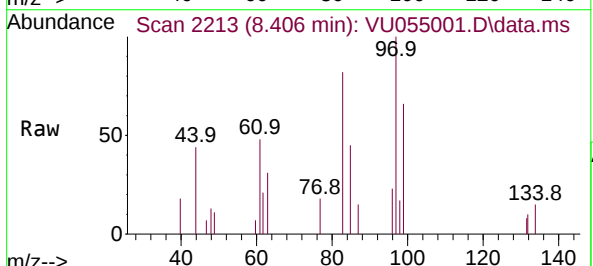
Ion Ratio Lower Upper

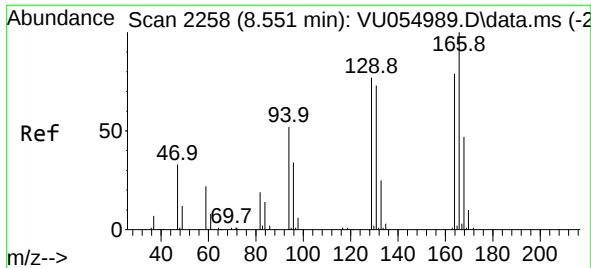
97 100

99 65.9 41.5 77.1

83 82.4 59.8 111.1

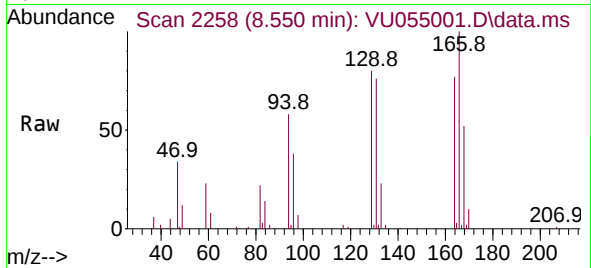
85 44.8 39.0 72.4



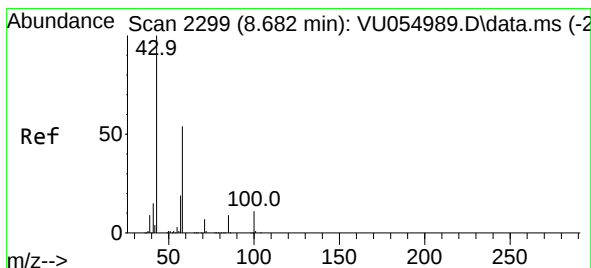
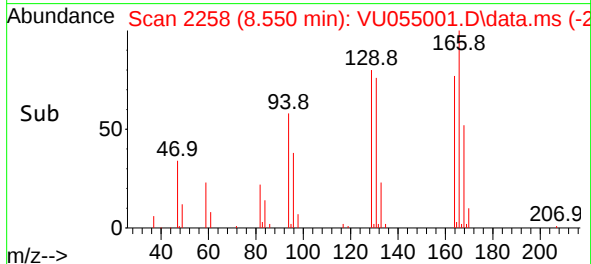
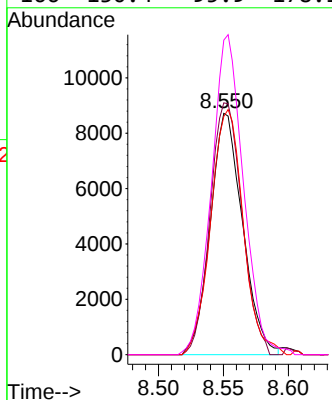


#47
Tetrachloroethene
Concen: 1.911 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Instrument :
MSVOA_U
ClientSampleId :

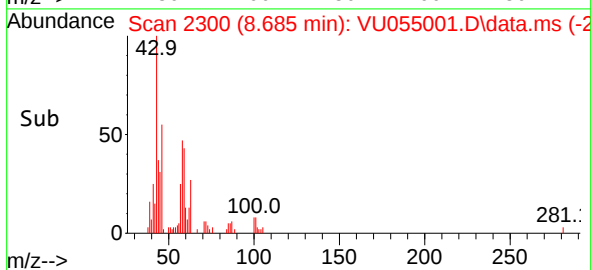
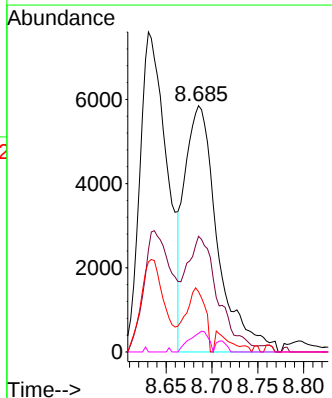
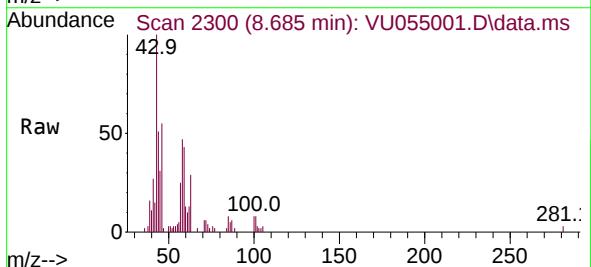


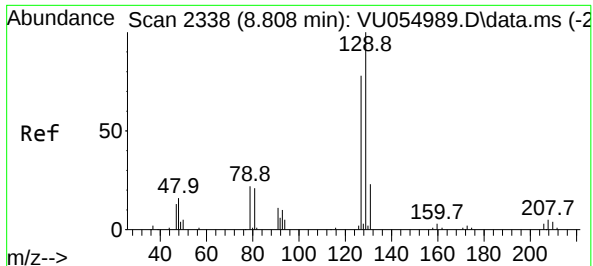
Tgt Ion:164 Resp: 15078
Ion Ratio Lower Upper
164 100
129 104.3 72.8 135.2
131 98.7 70.7 131.3
166 130.4 95.9 178.1



#48
2-Hexanone
Concen: 3.208 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

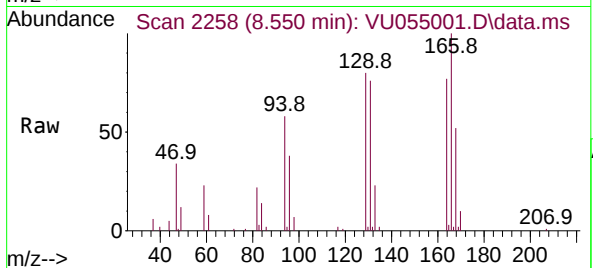
Tgt Ion: 43 Resp: 14630
Ion Ratio Lower Upper
43 100
58 40.9 44.0 66.0#
57 15.7 15.9 23.9#
100 4.8 9.4 14.0#



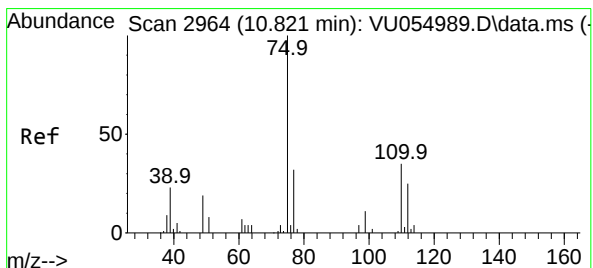
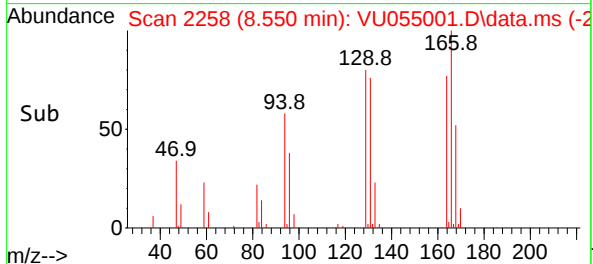
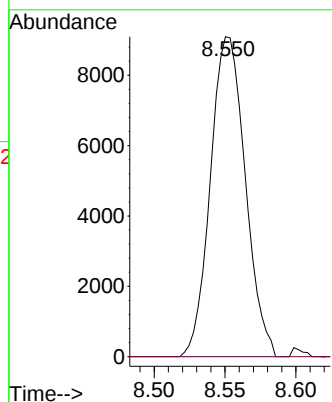


#49
Dibromochloromethane
Concen: 1.803 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:129 Resp: 15571
Ion Ratio Lower Upper
129 100
127 0.0 60.5 112.5#



#61
1,2,3-Trichloropropane
Concen: 1.966 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.987 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Tgt Ion: 75 Resp: 12779
Ion Ratio Lower Upper
75 100
110 2.4 29.0 43.6#
77 36.0 26.5 39.7

