

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU054992.D
 Acq On : 30 Aug 2023 12:23
 Operator : MD/SY
 Sample : 04209-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 02:35:26 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	162449	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	155924	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	78178	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	19051	3.716	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.908	69	27497	4.151	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.000%
11) 1,1-Dichloroethene-d2	2.560	65	11600	4.003	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.628	46	169338	61.186	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.380%
24) Chloroform-d	5.062	84	89923	4.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.702	65	50760	5.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.724	84	160430	4.577	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.689	67	60053	4.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.898	98	141852	4.226	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	8.181	79	17856	4.402	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.634	63	112377	58.363	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.720%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	56853	5.378	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	61556	4.931	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	3592	0.342	ug/L	97
12) 1,1-Dichloroethene	2.576	96	2593	0.353	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	6034	0.283	ug/L	95
18) trans-1,2-Dichloroethene	3.354	96	4419	0.551	ug/L	87
19) 1,1-Dichloroethane	3.866	63	2329	0.139	ug/L	88
22) cis-1,2-Dichloroethene	4.663	96	322490	33.745	ug/L	95
25) Chloroform	5.084	83	8948	0.485	ug/L	96
31) Carbon tetrachloride	5.518	117	2068	0.157	ug/L	94
33) Benzene	5.776	78	6157	0.167	ug/L	100
34) Trichloroethene	6.541	95	1155444	113.346	ug/L	97
35) Methylcyclohexane	6.689	83	13715	0.909	ug/L #	18
37) 1,2-Dichloropropane	6.692	63	6960	0.679	ug/L #	90
45) 1,1,2-Trichloroethane	8.399	97	909	0.131	ug/L #	61
47) Tetrachloroethene	8.557	164	6930	0.946	ug/L	92
48) 2-Hexanone	8.682	43	11210	2.648	ug/L #	90
49) Dibromochloromethane	8.554	129	6731	0.840	ug/L #	6
51) Chlorobenzene	9.447	112	6213	0.234	ug/L	95
61) 1,2,3-Trichloropropane	11.811	75	11844	2.035	ug/L #	68

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 31 02:34:15 2023
Response via : Initial Calibration

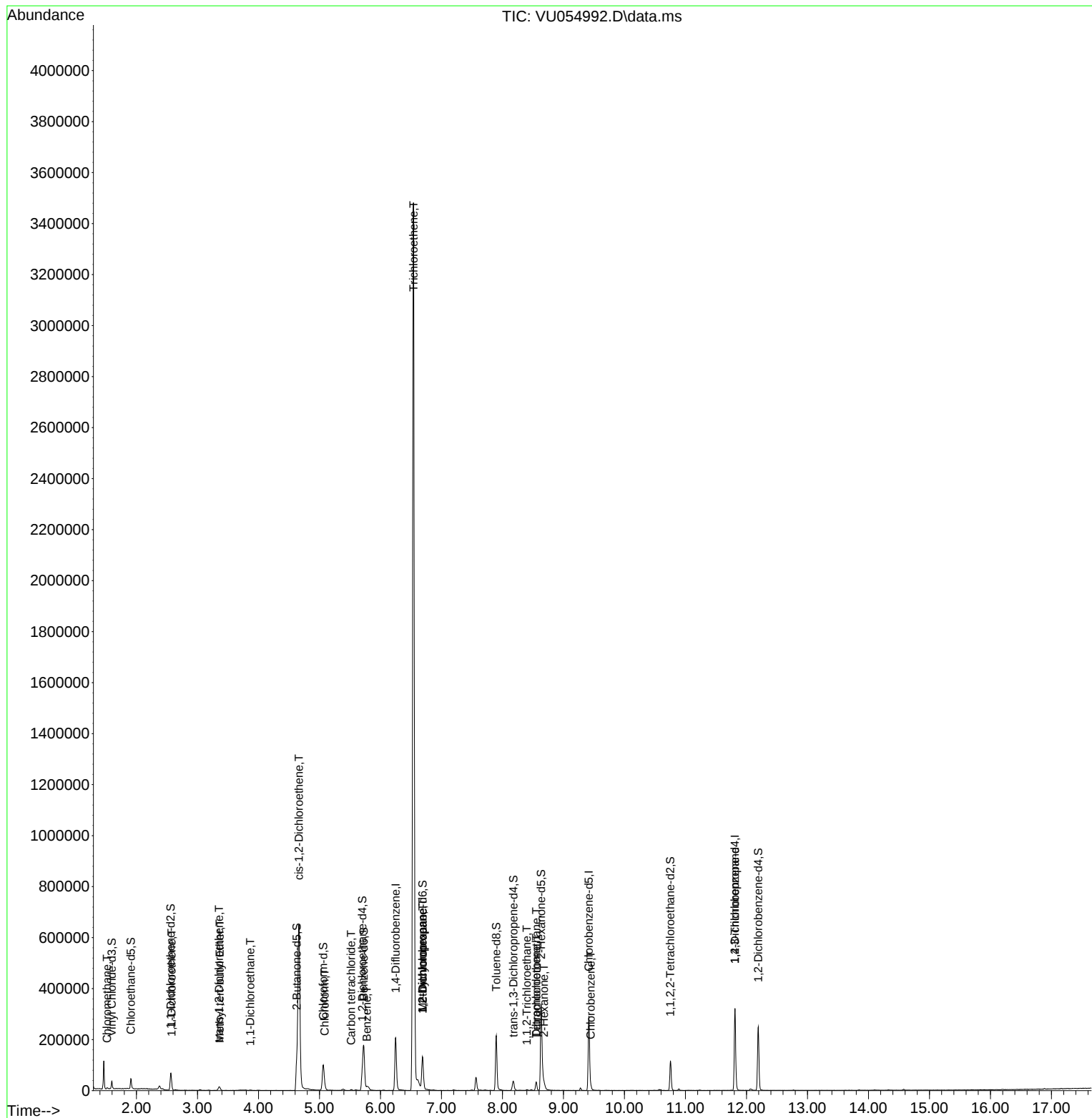
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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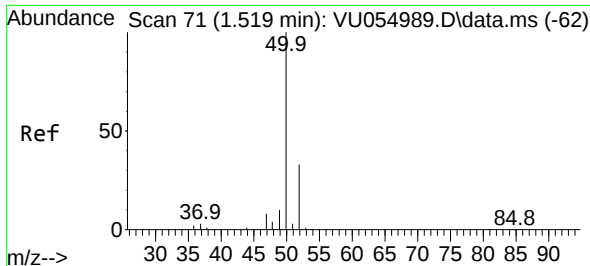
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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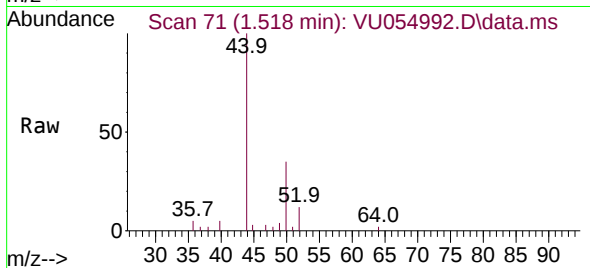
Quant Time: Aug 31 02:35:26 2023
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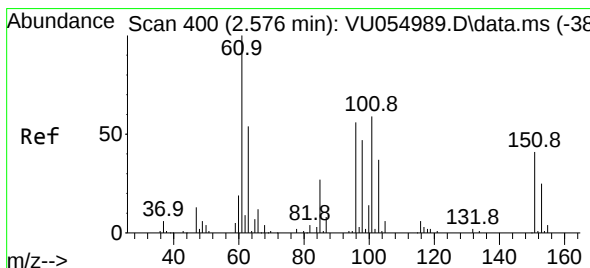
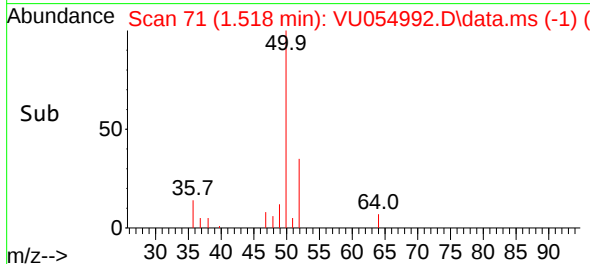
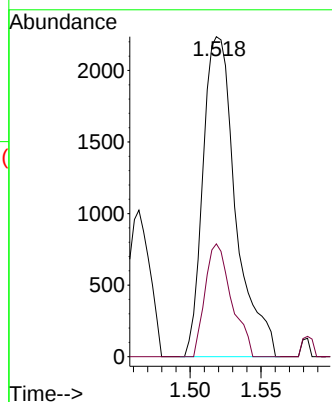


#3
Chloromethane
Concen: 0.342 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

Instrument :
MSVOA_U
ClientSampleId :

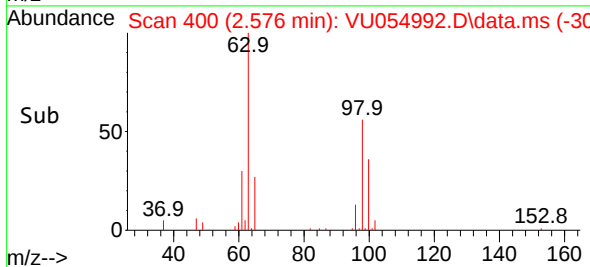
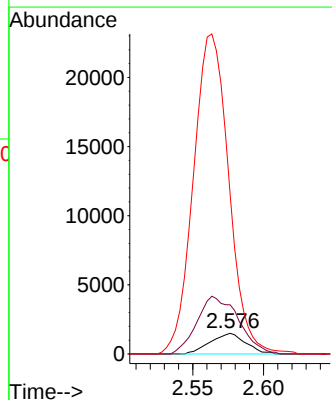
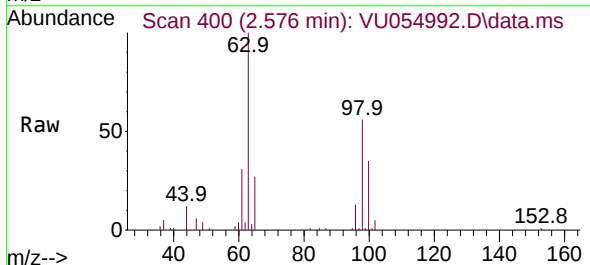


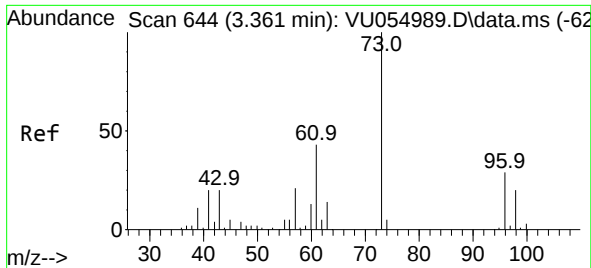
Tgt Ion: 50 Resp: 3592
Ion Ratio Lower Upper
50 100
52 35.2 23.4 43.6



#12
1,1-Dichloroethene
Concen: 0.353 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

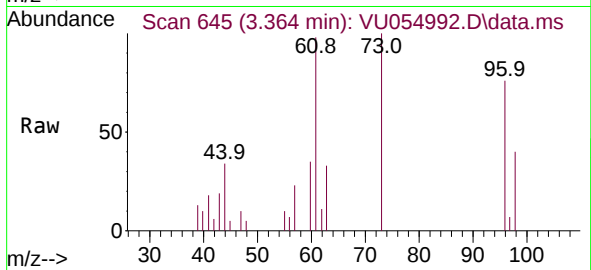
Tgt Ion: 96 Resp: 2593
Ion Ratio Lower Upper
96 100
61 237.2 132.4 245.8
63 771.9 82.5 153.1#





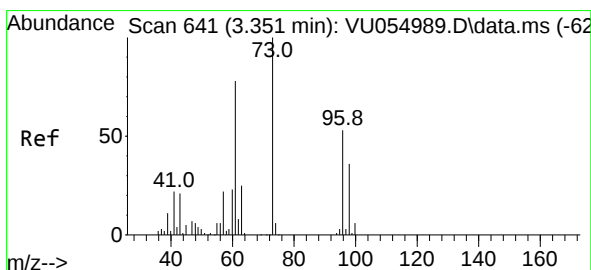
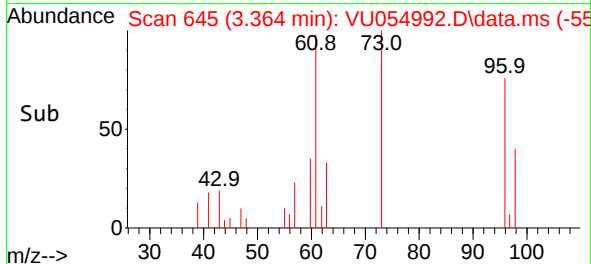
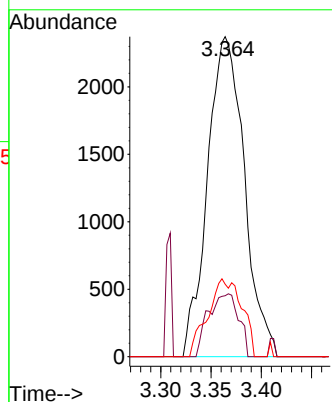
#17
Methyl tert-butyl Ether
Concen: 0.283 ug/L
RT: 3.364 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 73 Resp: 6034

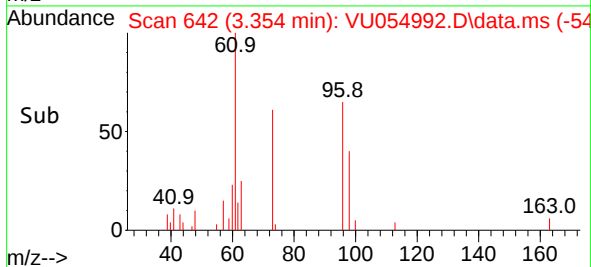
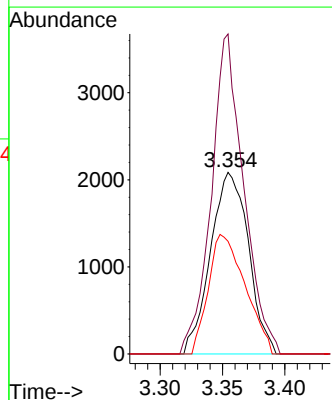
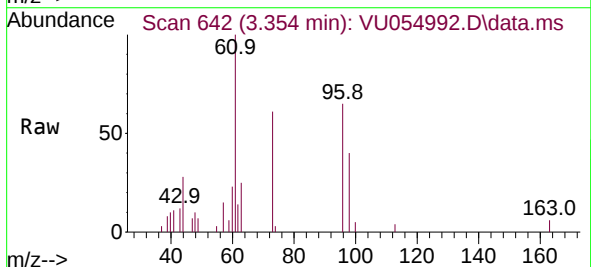
Ion	Ratio	Lower	Upper
73	100		
43	16.2	16.2	24.2
57	22.5	17.4	26.0

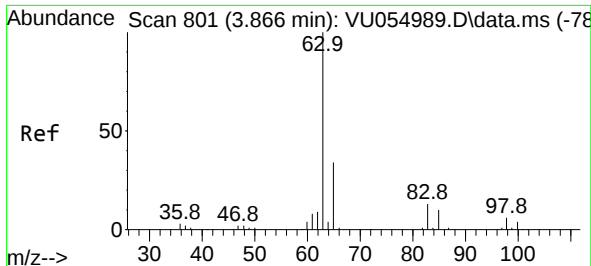


#18
trans-1,2-Dichloroethene
Concen: 0.551 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

Tgt Ion: 96 Resp: 4419

Ion	Ratio	Lower	Upper
96	100		
61	176.2	108.8	202.0
98	62.0	45.8	85.2





#19

1,1-Dichloroethane

Concen: 0.139 ug/L

RT: 3.866 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054992.D

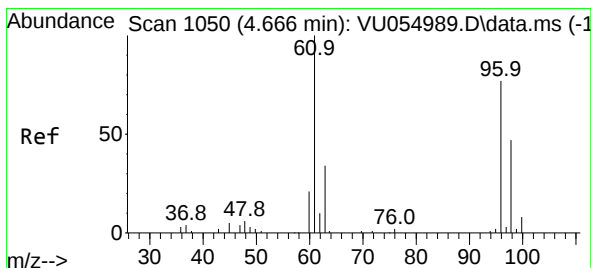
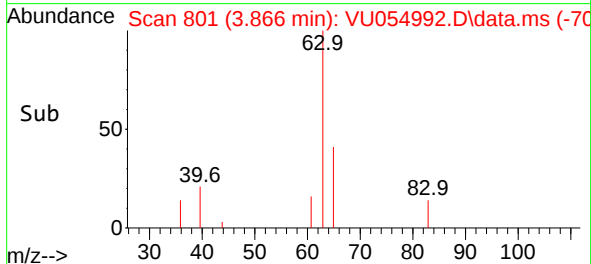
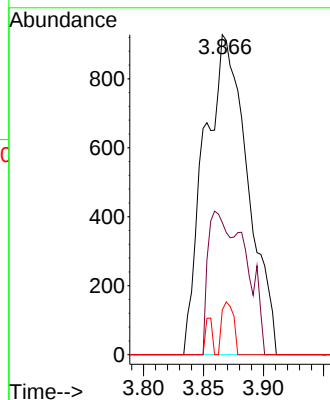
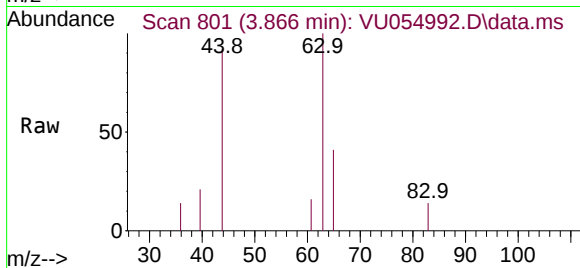
Acq: 30 Aug 2023 12:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	2329
Ion	Ratio	Lower	Upper
63	100		
65	41.3	22.5	41.7
83	14.0	9.5	17.7



#22

cis-1,2-Dichloroethene

Concen: 33.745 ug/L

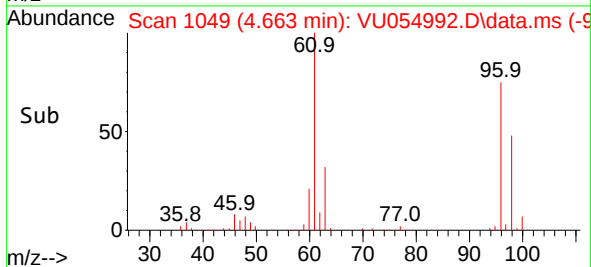
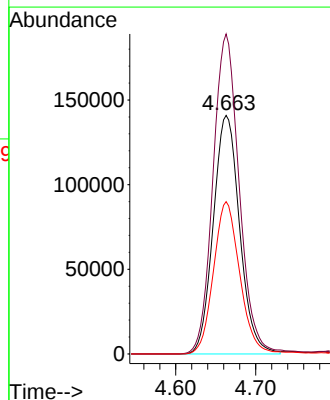
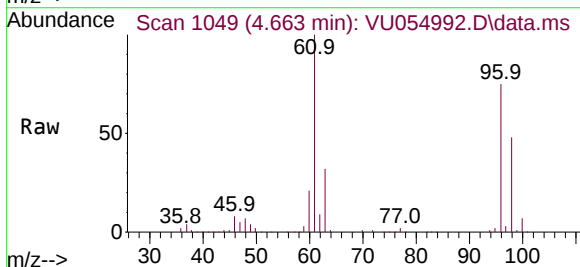
RT: 4.663 min Scan# 1049

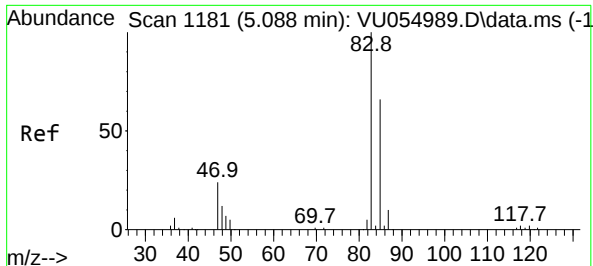
Delta R.T. -0.003 min

Lab File: VU054992.D

Acq: 30 Aug 2023 12:23

Tgt Ion:	96	Resp:	322490
Ion	Ratio	Lower	Upper
96	100		
61	134.1	88.4	164.2
98	63.9	44.0	81.6





#25

Chloroform

Concen: 0.485 ug/L

RT: 5.084 min Scan# 1181

Delta R.T. -0.003 min

Lab File: VU054992.D

Acq: 30 Aug 2023 12:23

Instrument :

MSVOA_U

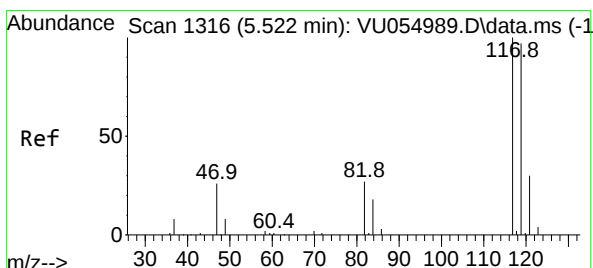
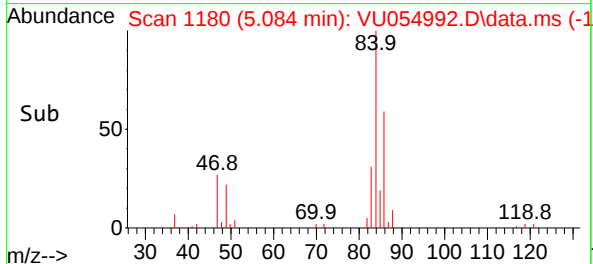
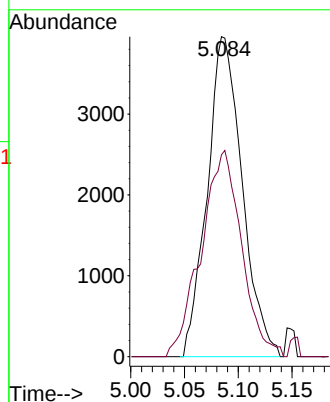
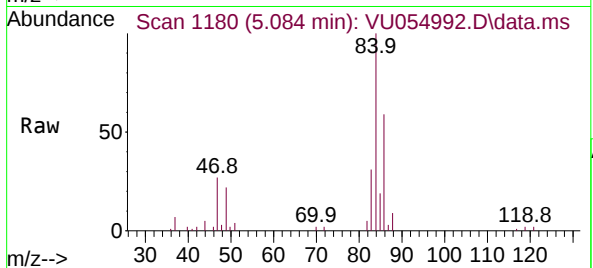
ClientSampleId :

Tgt Ion: 83 Resp: 8948

Ion Ratio Lower Upper

83 100

85 63.1 46.7 86.7



#31

Carbon tetrachloride

Concen: 0.157 ug/L

RT: 5.518 min Scan# 1315

Delta R.T. -0.003 min

Lab File: VU054992.D

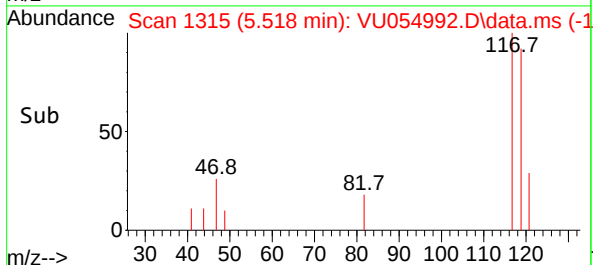
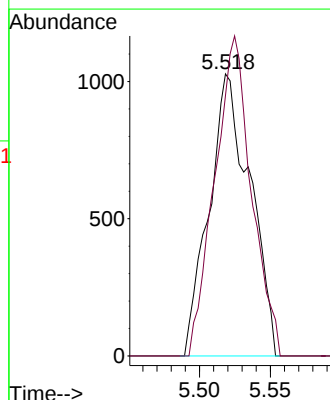
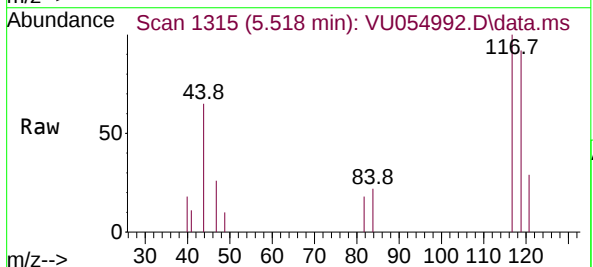
Acq: 30 Aug 2023 12:23

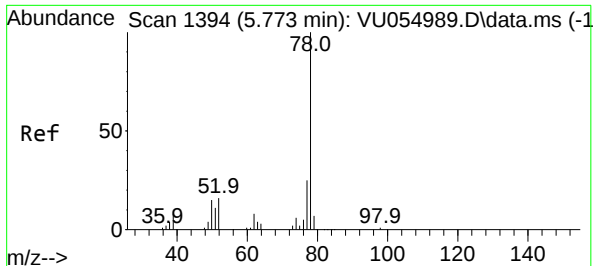
Tgt Ion: 117 Resp: 2068

Ion Ratio Lower Upper

117 100

119 101.7 76.6 115.0

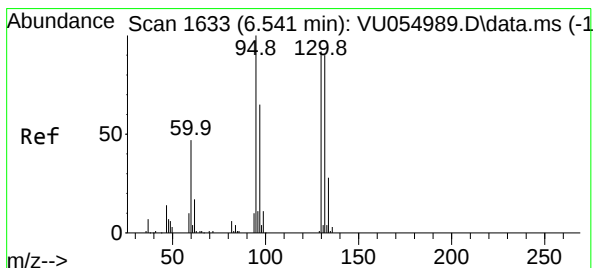
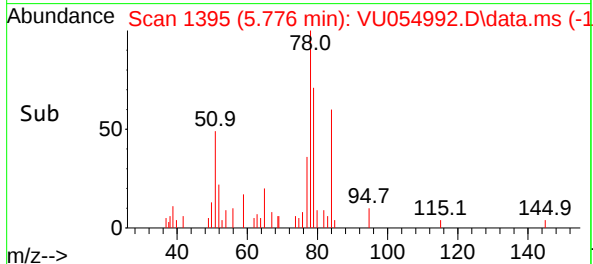
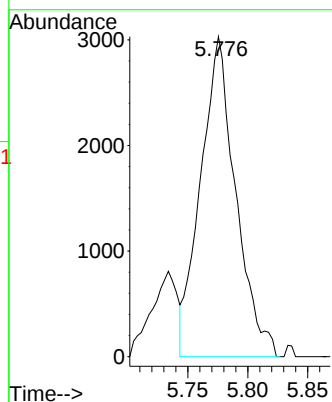
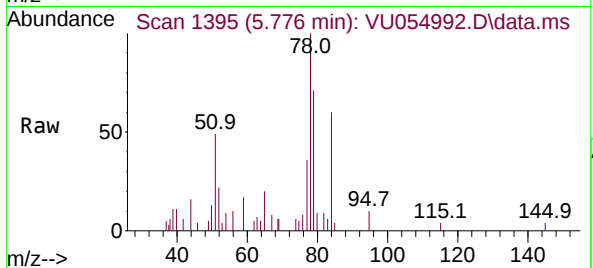




#33
Benzene
Concen: 0.167 ug/L
RT: 5.776 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

Instrument :
MSVOA_U
ClientSampleId :

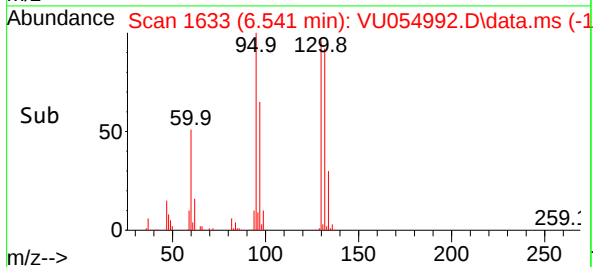
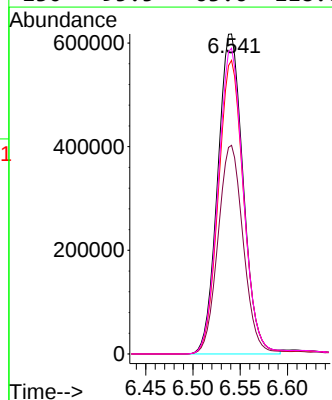
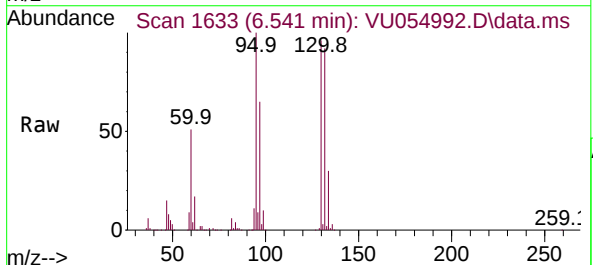
Tgt Ion: 78 Resp: 6157

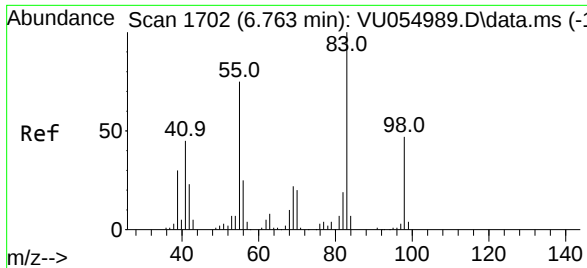


#34
Trichloroethene
Concen: 113.346 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

Tgt Ion: 95 Resp: 1155444

Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.1	81.9
132	91.7	63.6	118.2
130	95.5	63.6	118.0

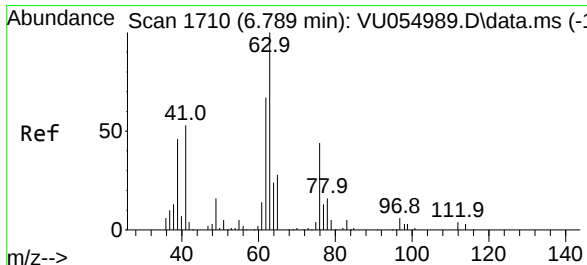
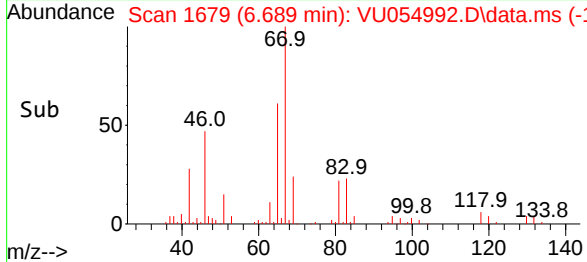
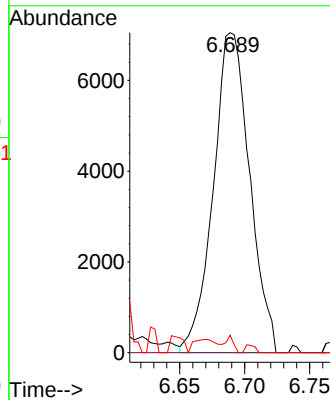
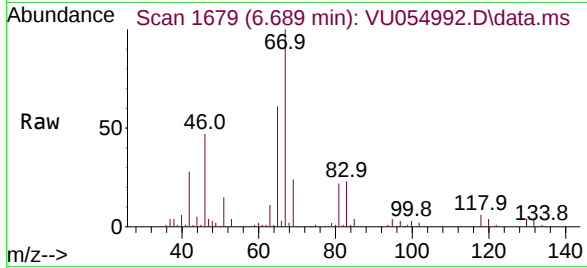




#35
Methylcyclohexane
Concen: 0.909 ug/L
RT: 6.689 min Scan# 1680
Delta R.T. -0.074 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

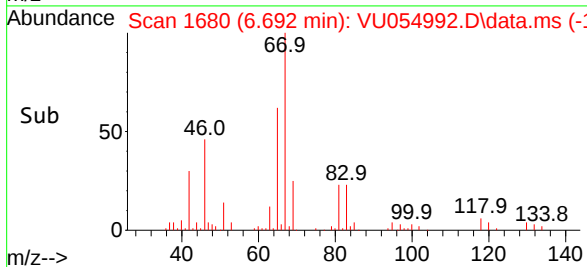
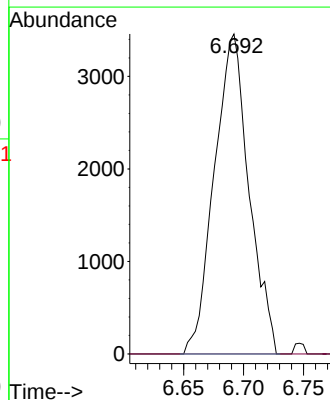
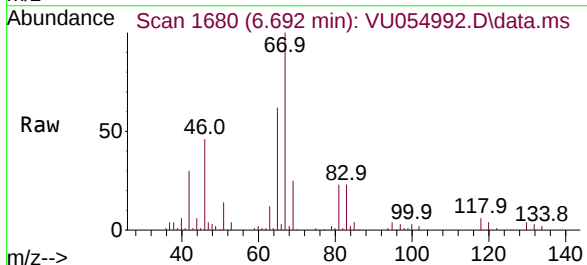
Instrument :
MSVOA_U
ClientSampleId :

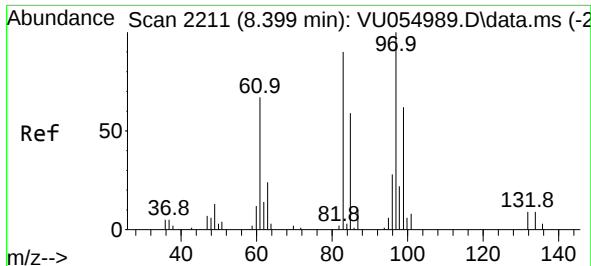
Tgt Ion: 83 Resp: 13715
Ion Ratio Lower Upper
83 100
55 0.3 62.1 93.1#
98 0.0 37.8 56.6#



#37
1,2-Dichloropropane
Concen: 0.679 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.097 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

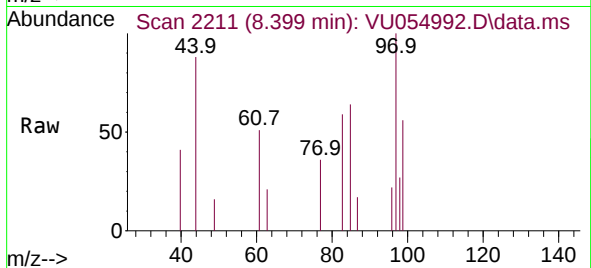
Tgt Ion: 63 Resp: 6960
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#





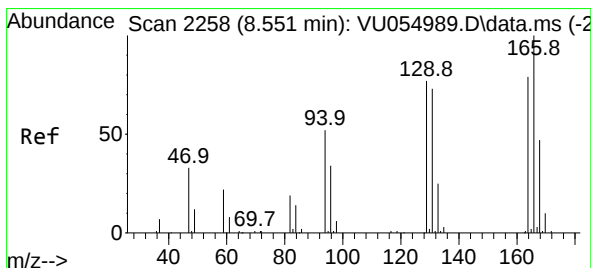
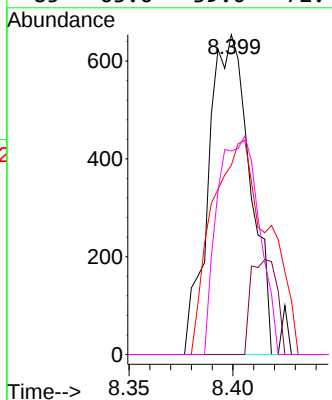
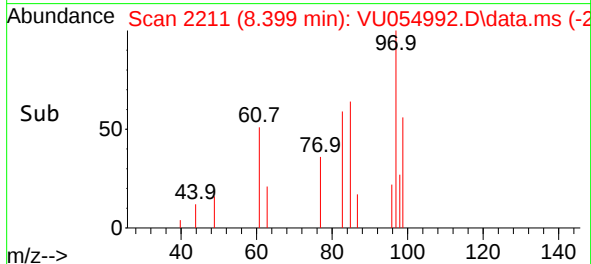
#45
1,1,2-Trichloroethane
Concen: 0.131 ug/L
RT: 8.399 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

Instrument :
MSVOA_U
ClientSampleId :

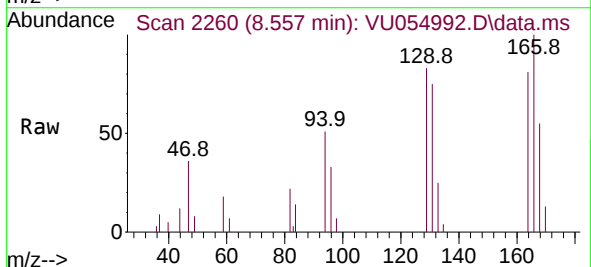


Tgt Ion: 97 Resp: 909

Ion	Ratio	Lower	Upper
97	100		
99	0.0	41.5	77.1#
83	59.2	59.8	111.1#
85	63.6	39.0	72.4

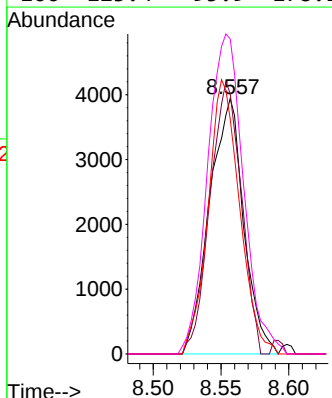
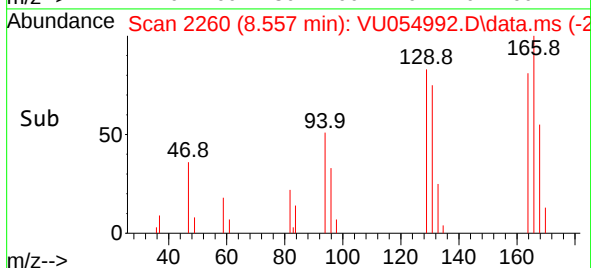


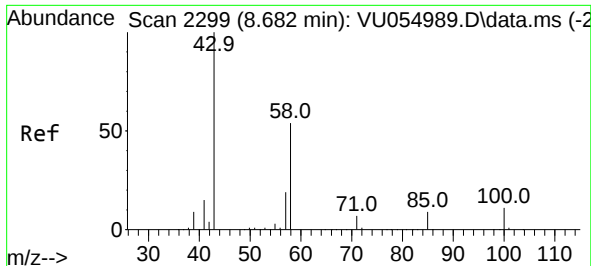
#47
Tetrachloroethene
Concen: 0.946 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. 0.006 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23



Tgt Ion: 164 Resp: 6930

Ion	Ratio	Lower	Upper
164	100		
129	102.0	72.8	135.2
131	92.1	70.7	131.3
166	123.4	95.9	178.1

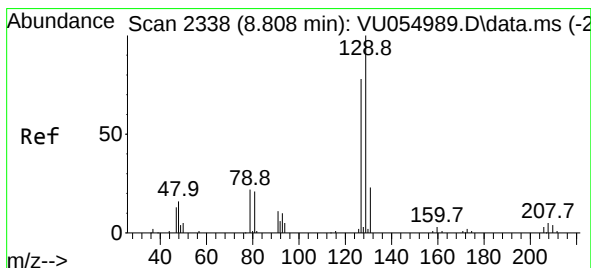
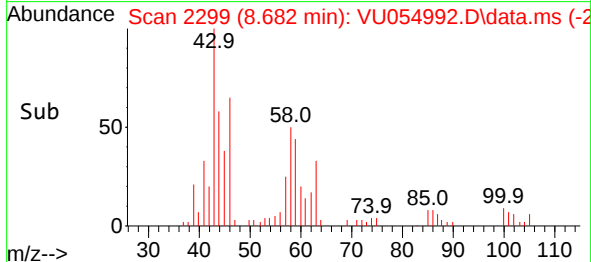
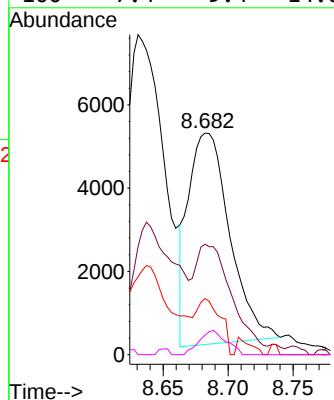
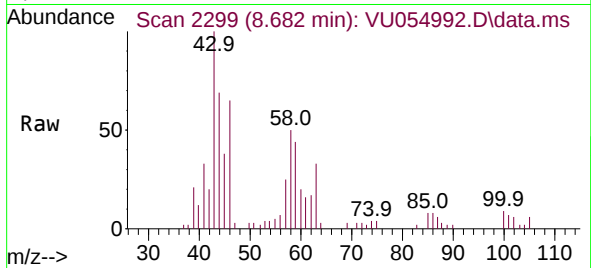




#48
2-Hexanone
Concen: 2.648 ug/L
RT: 8.682 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

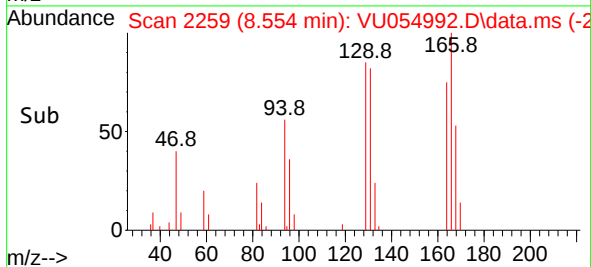
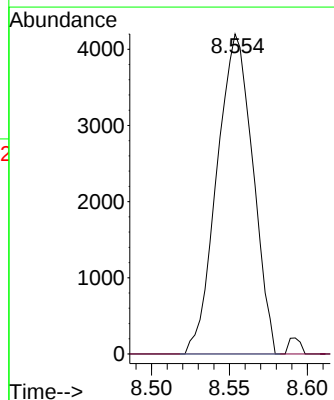
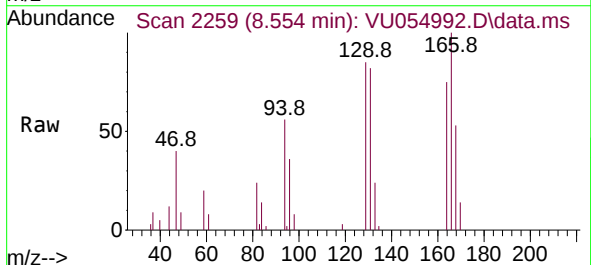
Instrument :
MSVOA_U
ClientSampleId :

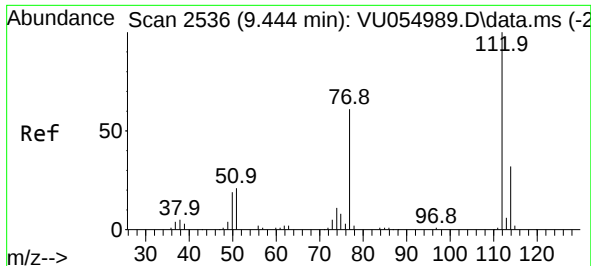
Tgt Ion: 43	Resp: 11210
Ion Ratio	Lower Upper
43	100
58	47.9 44.0 66.0
57	15.0 15.9 23.9#
100	7.4 9.4 14.0#



#49
Dibromochloromethane
Concen: 0.840 ug/L
RT: 8.554 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

Tgt Ion: 129	Resp: 6731
Ion Ratio	Lower Upper
129	100
127	0.0 60.5 112.5#

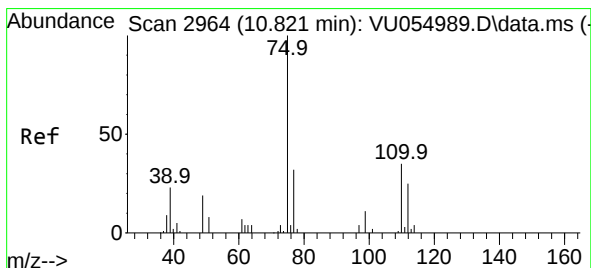
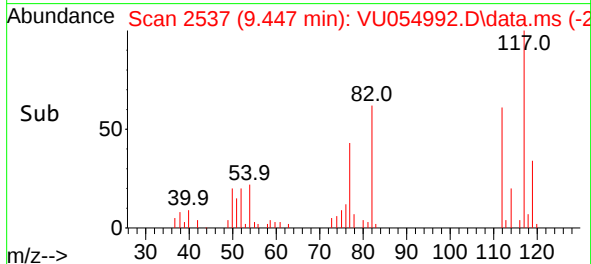
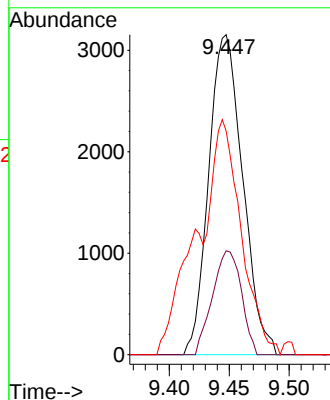
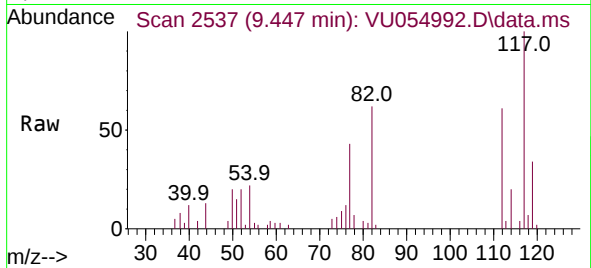




#51
Chlorobenzene
Concen: 0.234 ug/L
RT: 9.447 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:112 Resp: 6213
Ion Ratio Lower Upper
112 100
114 30.3 23.4 43.4
77 65.3 49.3 73.9



#61
1,2,3-Trichloropropane
Concen: 2.035 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.990 min
Lab File: VU054992.D
Acq: 30 Aug 2023 12:23

Tgt Ion: 75 Resp: 11844
Ion Ratio Lower Upper
75 100
110 1.5 29.0 43.6#
77 31.3 26.5 39.7

