

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061223\
 Data File : VU054491.D
 Acq On : 12 Jun 2023 17:11
 Operator : MD/SY
 Sample : 03104-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CONR2

Quant Time: Jun 13 02:31:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 13 02:28:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	289377	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	274037	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	134399	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	51906	2.818	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.400%
7) Chloroethane-d5	1.914	69	62817	3.643	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.800%
11) 1,1-Dichloroethene-d2	2.563	65	26029	3.165	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.200%
20) 2-Butanone-d5	4.634	46	264784	51.138	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.280%
24) Chloroform-d	5.058	84	152268	3.956	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.200%
26) 1,2-Dichloroethane-d4	5.698	65	79471	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	5.724	84	286857	3.766	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
36) 1,2-Dichloropropane-d6	6.685	67	104383	4.103	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.000%
41) Toluene-d8	7.894	98	238710	3.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.600%
43) trans-1,3-Dichloroprop...	8.177	79	33442	3.780	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.600%
46) 2-Hexanone-d5	8.631	63	166687	44.911	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.820%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86698	4.570	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	99199	4.376	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.600%
Target Compounds						
					Qvalue	
8) Chloroethane	1.933	64	6099	0.319	ug/L	97
9) Trichlorofluoromethane	2.139	101	9445	0.241	ug/L	100
12) 1,1-Dichloroethene	2.579	96	209413	9.977	ug/L	92
19) 1,1-Dichloroethane	3.866	63	2947056	65.714	ug/L	99
21) 2-Butanone	4.804	43	261782	41.317	ug/L #	48
22) cis-1,2-Dichloroethene	4.663	96	21418	0.868	ug/L	96
25) Chloroform	5.084	83	20798	0.470	ug/L	96
27) 1,2-Dichloroethane	5.795	62	6085	0.235	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	7078688	190.494	ug/L	99
31) Carbon tetrachloride	5.312	117	925783	28.913	ug/L	100
34) Trichloroethene	6.537	95	228443	8.772	ug/L	96
37) 1,2-Dichloropropane	6.685	63	10994	0.413	ug/L #	88
45) 1,1,2-Trichloroethane	8.396	97	3779	0.223	ug/L	91
47) Tetrachloroethene	8.550	164	4611	0.231	ug/L	84
48) 2-Hexanone	8.685	43	13208	1.247	ug/L #	84
49) Dibromochloromethane	8.553	129	4143	0.233	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	16642	1.225	ug/L #	70

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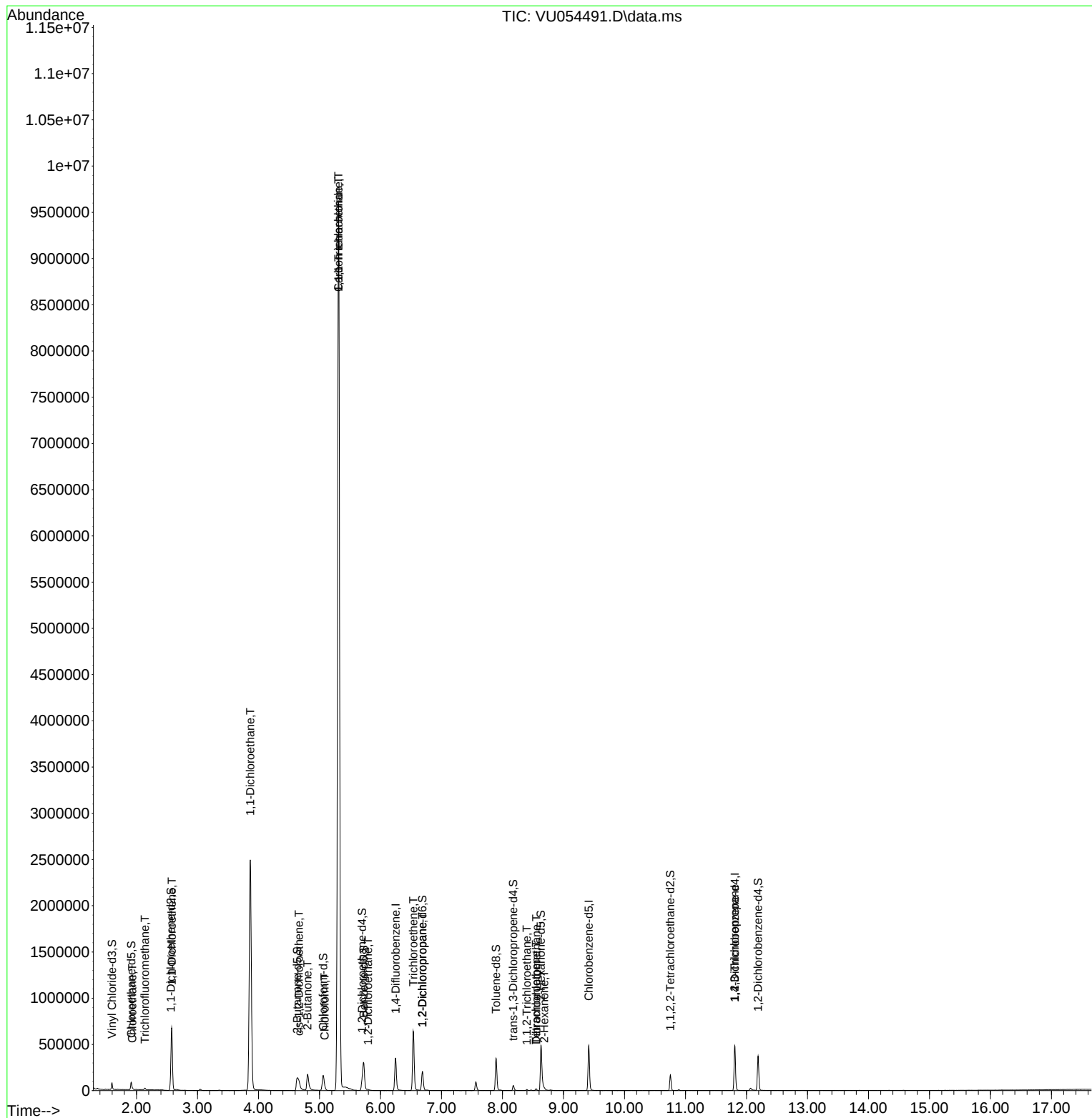
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

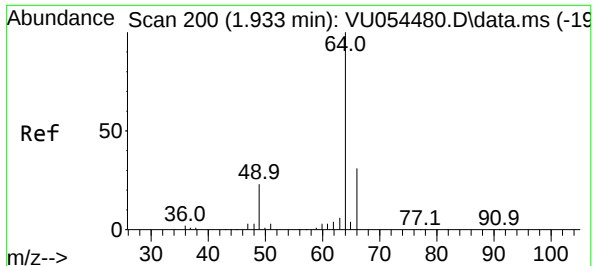
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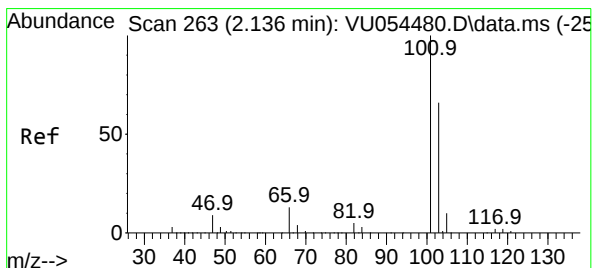
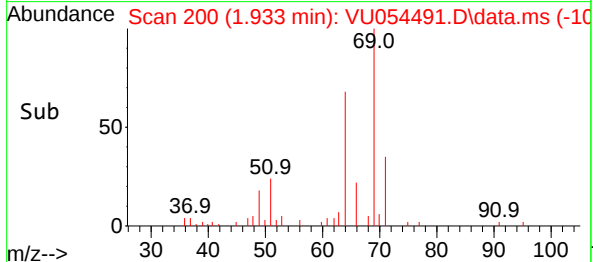
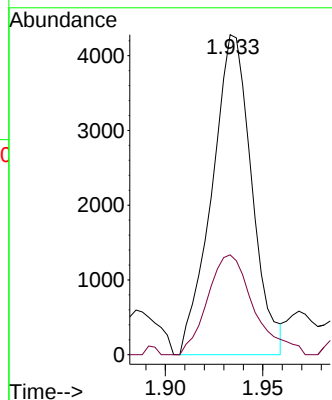
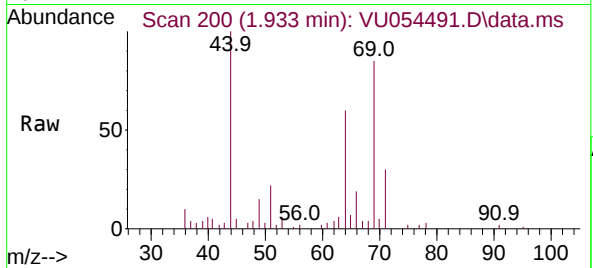




#8
Chloroethane
Concen: 0.319 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

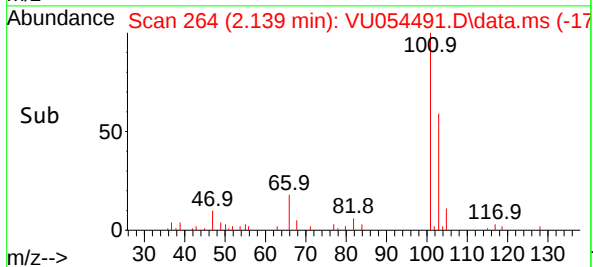
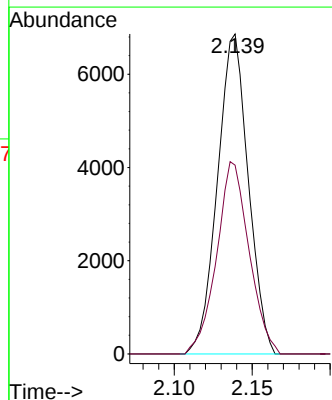
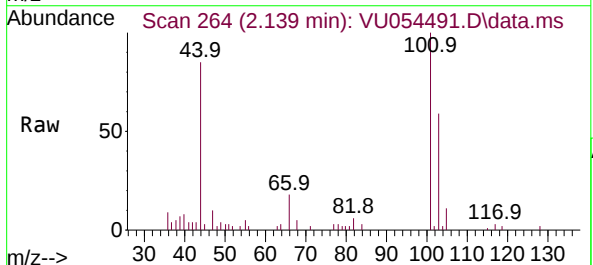
Instrument :
MSVOA_U
ClientSampleId :
CONR2

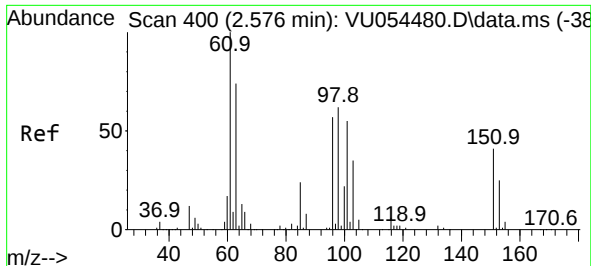
Tgt Ion: 64 Resp: 6099
Ion Ratio Lower Upper
64 100
66 31.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 0.241 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.003 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

Tgt Ion: 101 Resp: 9445
Ion Ratio Lower Upper
101 100
103 63.1 50.6 75.8





#12

1,1-Dichloroethene

Concen: 9.977 ug/L

RT: 2.579 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU054491.D

Acq: 12 Jun 2023 17:11

Instrument :

MSVOA_U

ClientSampleId :

CONR2

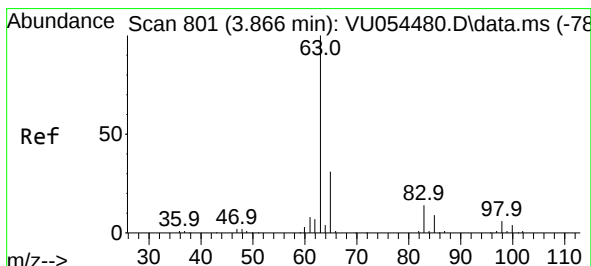
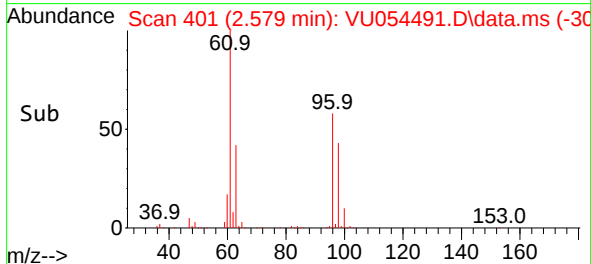
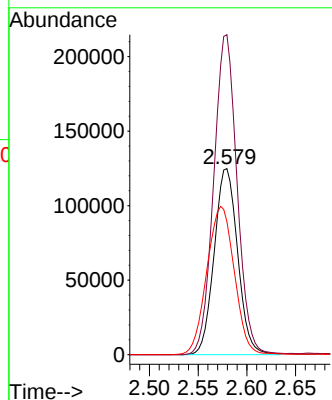
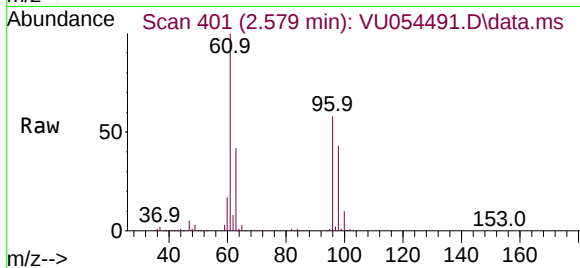
Tgt Ion: 96 Resp: 209413

Ion Ratio Lower Upper

96 100

61 172.0 119.9 222.7

63 71.5 64.3 119.3



#19

1,1-Dichloroethane

Concen: 65.714 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054491.D

Acq: 12 Jun 2023 17:11

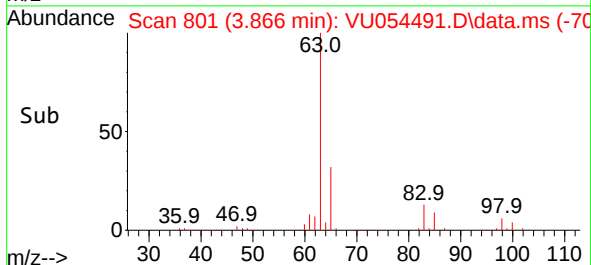
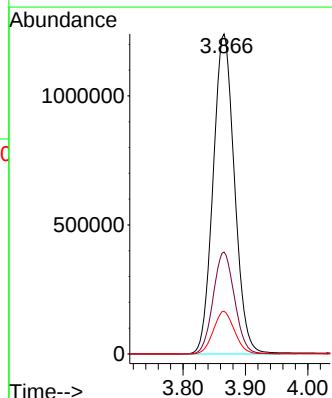
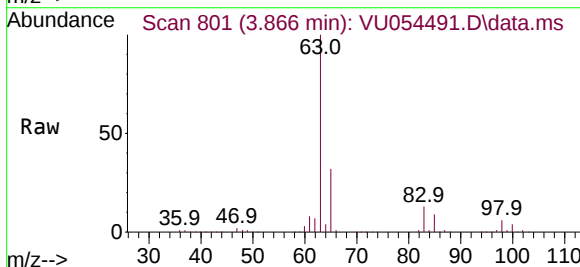
Tgt Ion: 63 Resp: 2947056

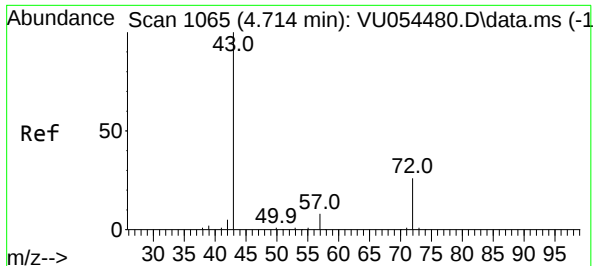
Ion Ratio Lower Upper

63 100

65 31.8 22.2 41.2

83 13.4 9.0 16.6

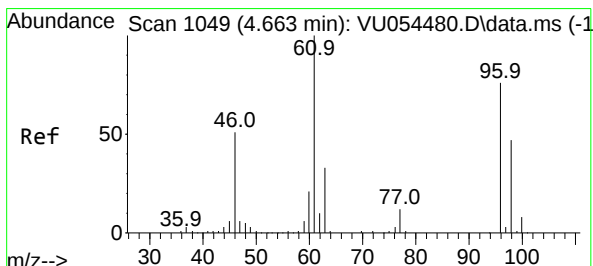
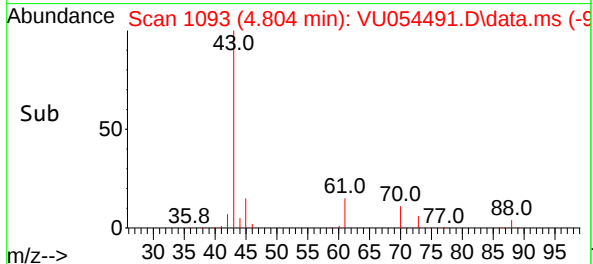
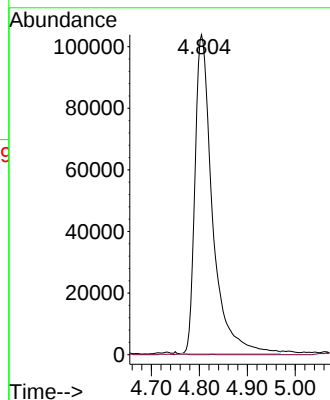
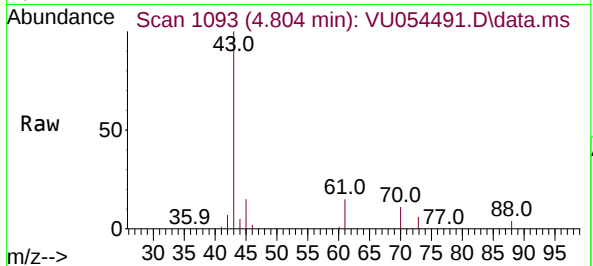




#21
2-Butanone
Concen: 41.317 ug/L
RT: 4.804 min Scan# 1093
Delta R.T. 0.090 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

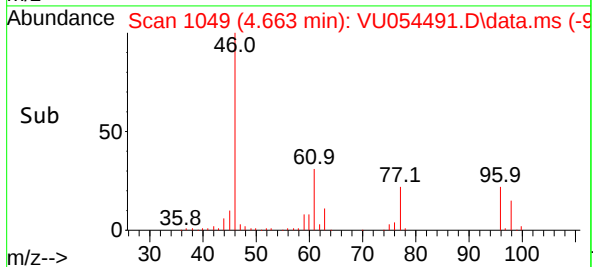
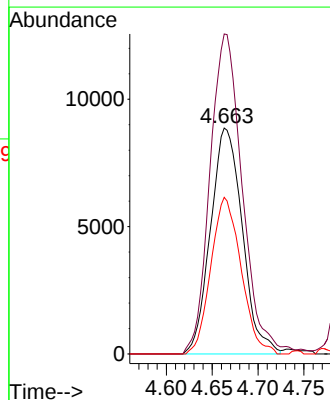
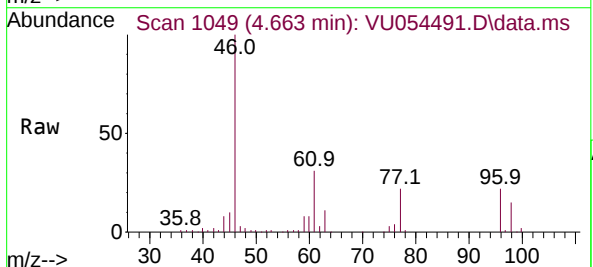
Instrument :
MSVOA_U
ClientSampleId :
CONR2

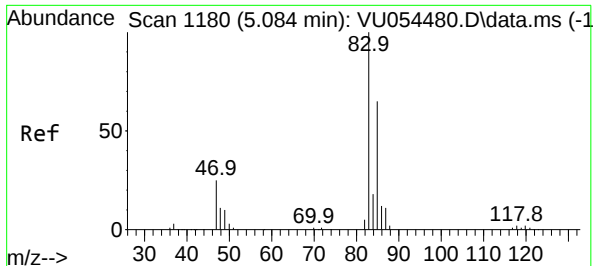
Tgt Ion: 43 Resp: 261782
Ion Ratio Lower Upper
43 100
72 0.0 13.4 40.1#



#22
cis-1,2-Dichloroethene
Concen: 0.868 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

Tgt Ion: 96 Resp: 21418
Ion Ratio Lower Upper
96 100
61 141.7 96.5 179.1
98 69.3 44.9 83.3





#25

Chloroform

Concen: 0.470 ug/L

RT: 5.084 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054491.D

Acq: 12 Jun 2023 17:11

Instrument :

MSVOA_U

ClientSampleId :

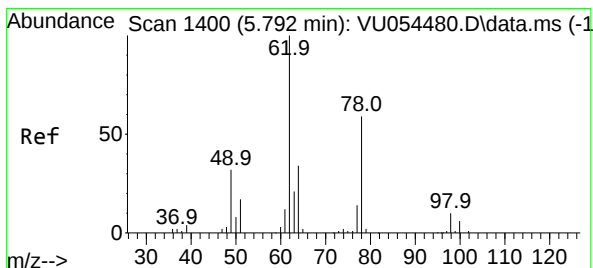
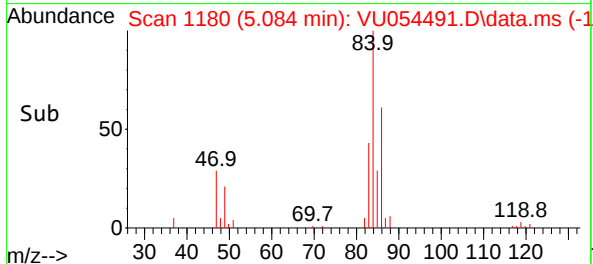
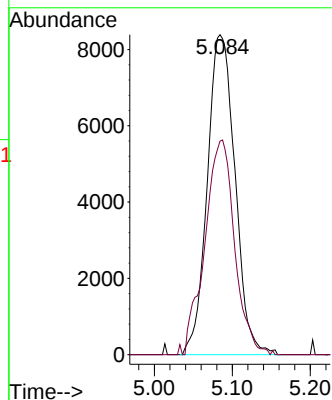
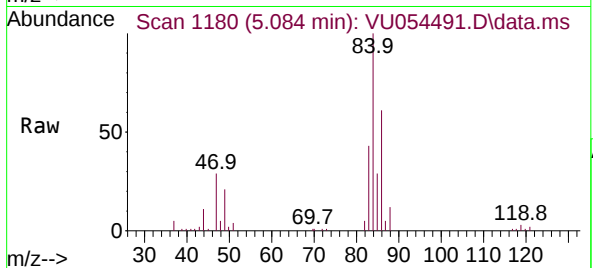
CONR2

Tgt Ion: 83 Resp: 20798

Ion Ratio Lower Upper

83 100

85 66.7 44.7 82.9



#27

1,2-Dichloroethane

Concen: 0.235 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU054491.D

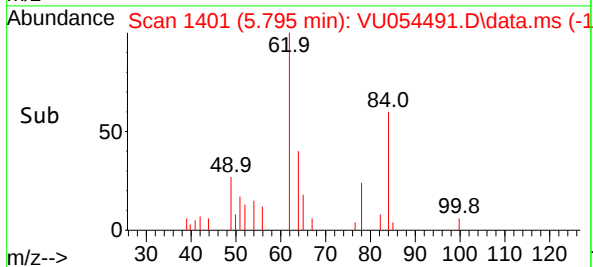
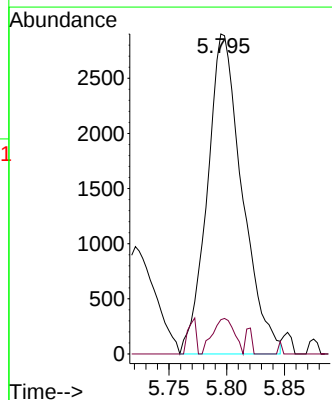
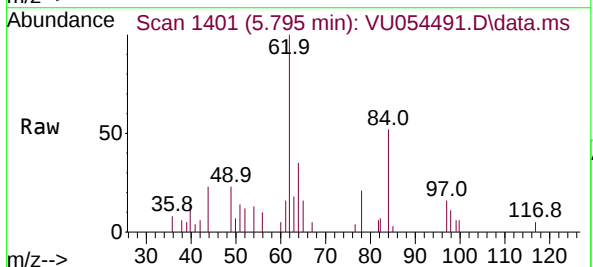
Acq: 12 Jun 2023 17:11

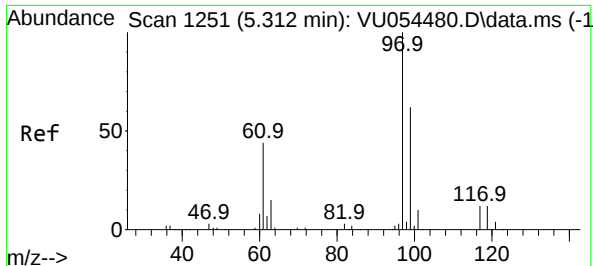
Tgt Ion: 62 Resp: 6085

Ion Ratio Lower Upper

62 100

98 10.7 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 190.494 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VU054491.D

Acq: 12 Jun 2023 17:11

Instrument :

MSVOA_U

ClientSampleId :

CONR2

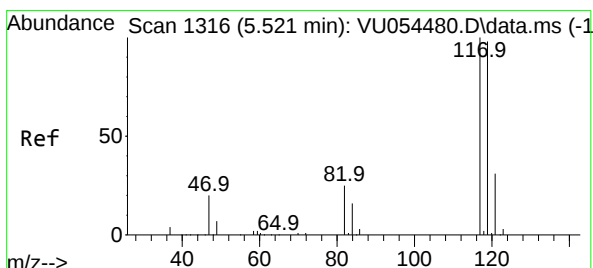
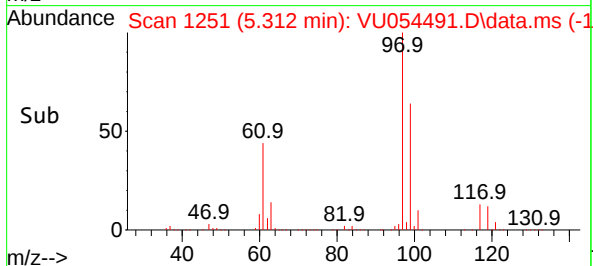
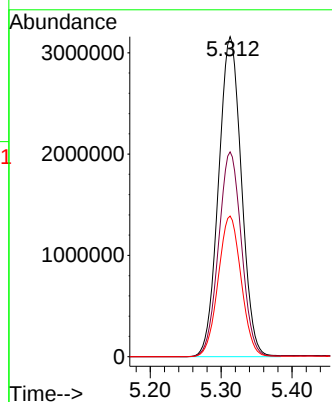
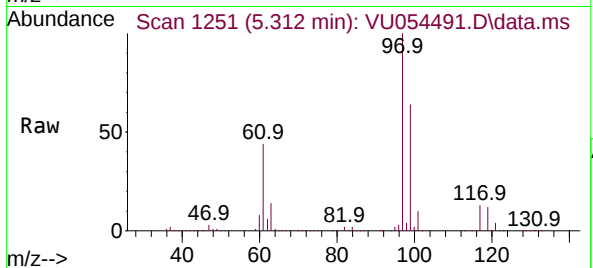
Tgt Ion: 97 Resp: 7078688

Ion Ratio Lower Upper

97 100

99 64.2 50.8 76.2

61 44.2 36.1 54.1



#31

Carbon tetrachloride

Concen: 28.913 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. -0.209 min

Lab File: VU054491.D

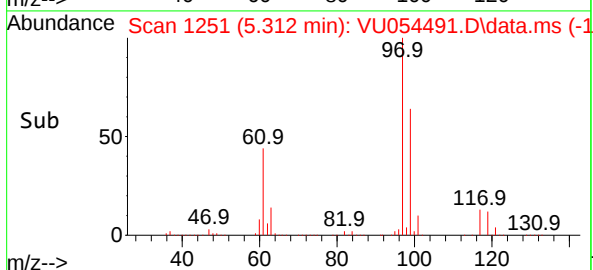
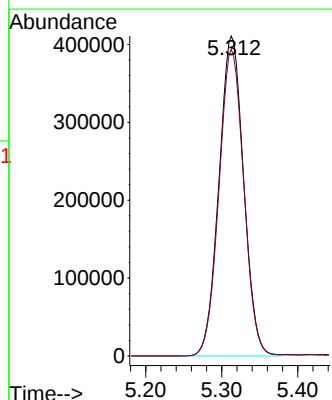
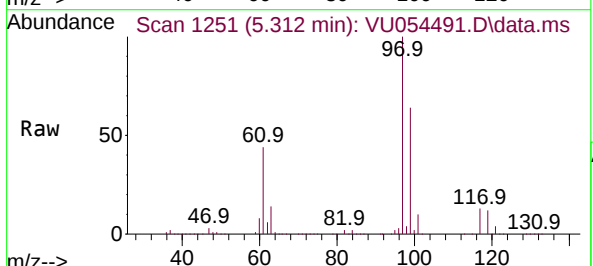
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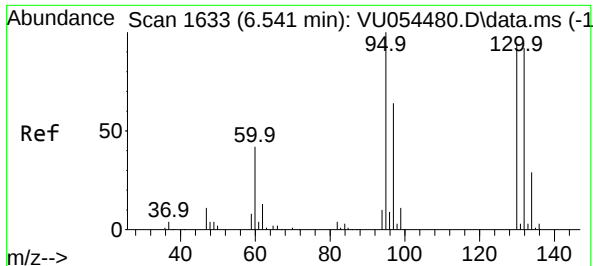
Tgt Ion:117 Resp: 925783

Ion Ratio Lower Upper

117 100

119 96.2 76.8 115.2

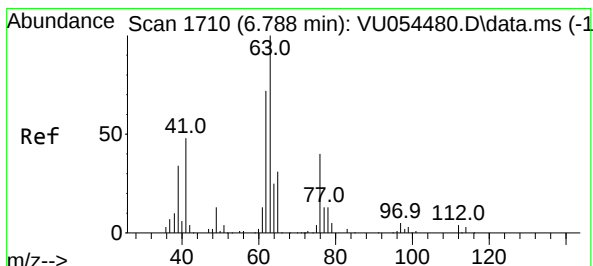
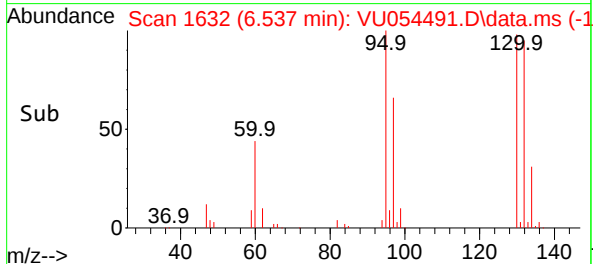
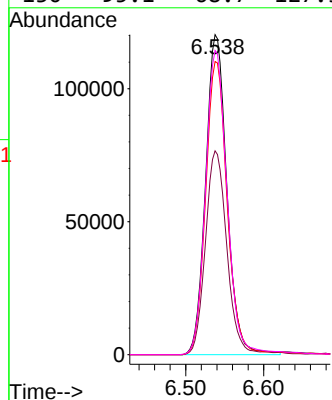
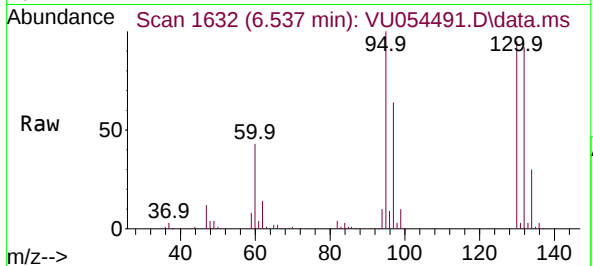




#34
Trichloroethene
Concen: 8.772 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

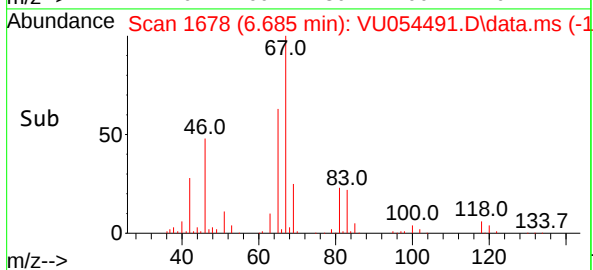
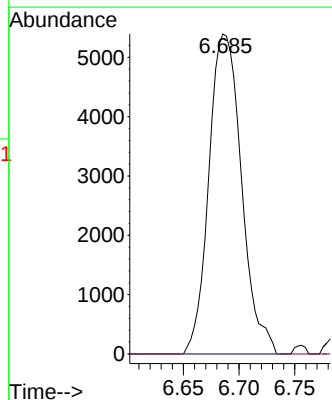
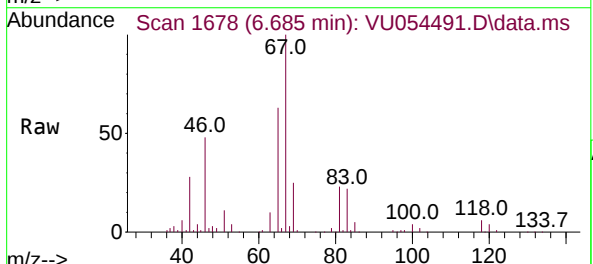
Instrument :
MSVOA_U
ClientSampleId :
CONR2

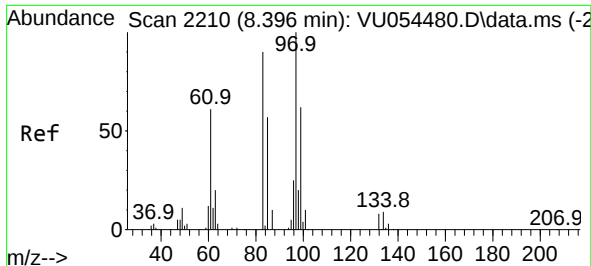
Tgt Ion: 95 Resp: 228443
Ion Ratio Lower Upper
95 100
97 63.7 46.8 87.0
132 91.6 68.4 127.0
130 95.1 68.7 127.5



#37
1,2-Dichloropropane
Concen: 0.413 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.103 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

Tgt Ion: 63 Resp: 10994
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#

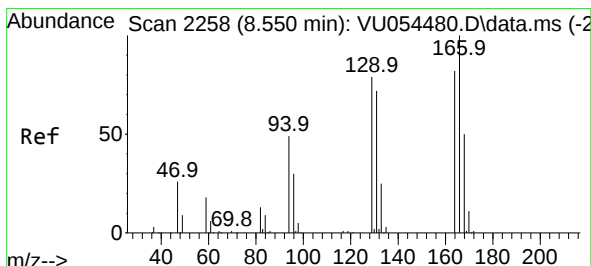
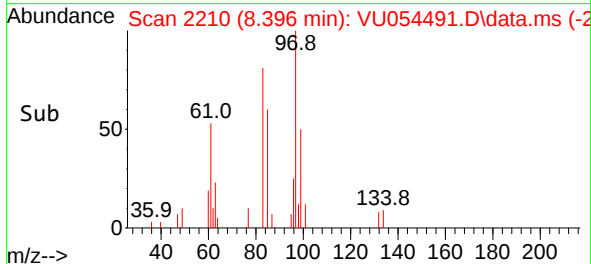
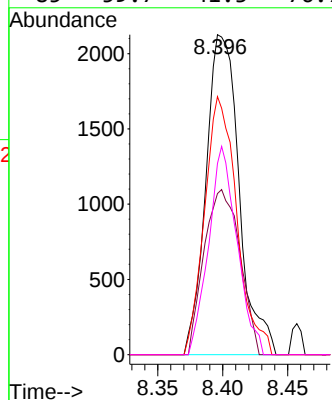
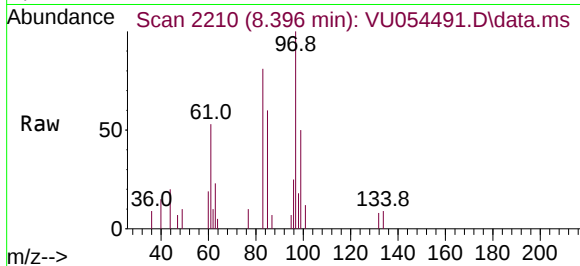




#45
1,1,2-Trichloroethane
Concen: 0.223 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

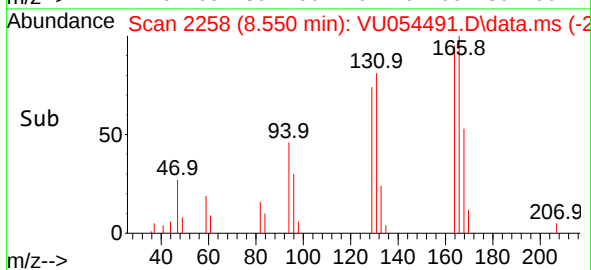
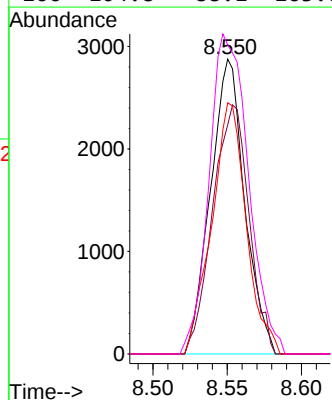
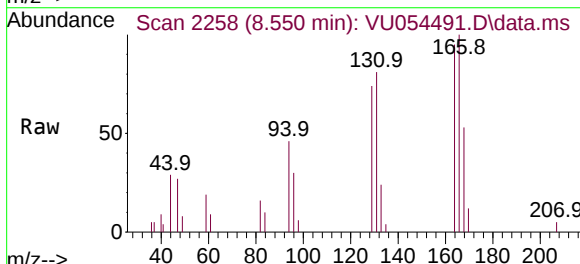
Instrument :
MSVOA_U
ClientSampleId :
CONR2

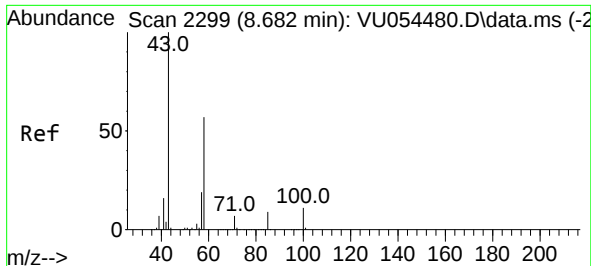
Tgt Ion: 97	Resp: 3779
Ion Ratio	Lower Upper
97 100	
99 50.3	43.0 80.0
83 80.7	63.8 118.6
85 59.7	41.3 76.7



#47
Tetrachloroethene
Concen: 0.231 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

Tgt	Ion:164	Resp:	4611
Ion	Ratio	Lower	Upper
164	100		
129	77.7	67.7	125.7
131	85.2	64.6	120.0
166	104.8	88.1	163.7

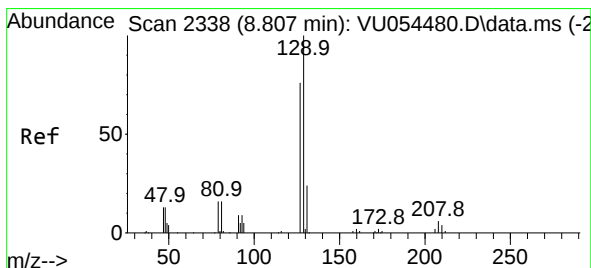
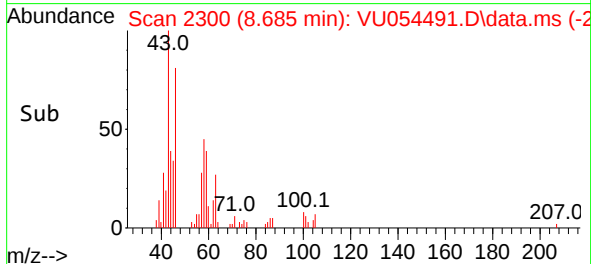
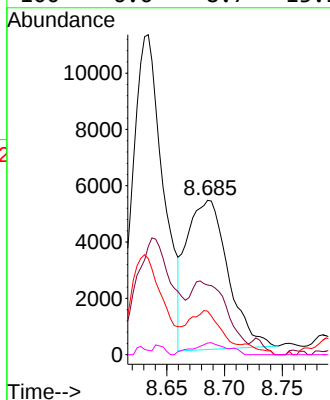
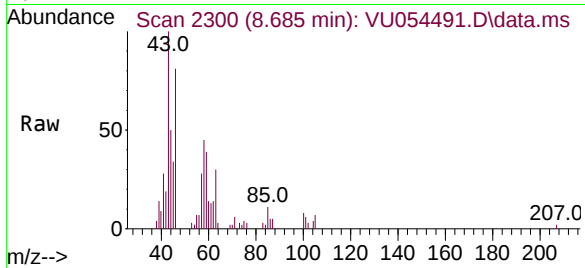




#48
2-Hexanone
Concen: 1.247 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

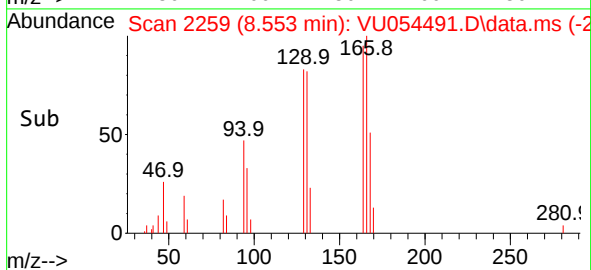
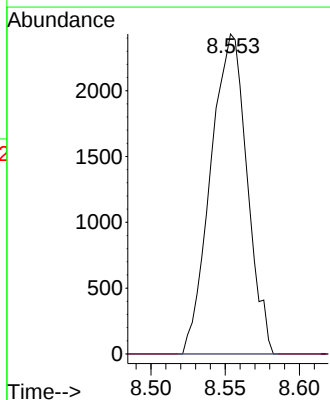
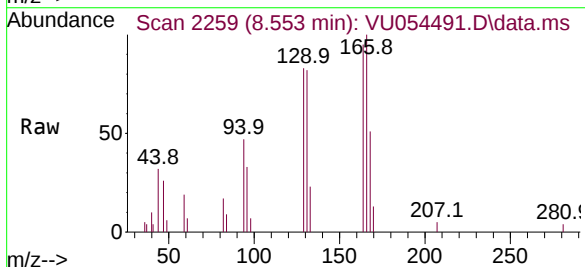
Instrument :
MSVOA_U
ClientSampleId :
CONR2

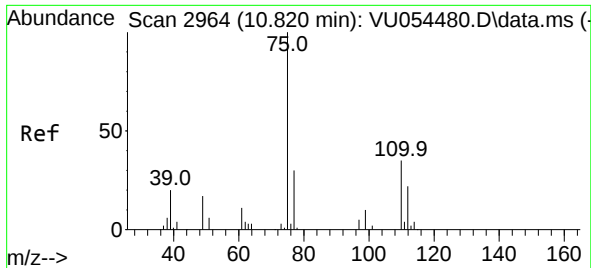
Tgt Ion: 43 Resp: 13208
Ion Ratio Lower Upper
43 100
58 43.9 45.2 67.8#
57 26.3 15.8 23.6#
100 6.6 8.7 13.1#



#49
Dibromochloromethane
Concen: 0.233 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

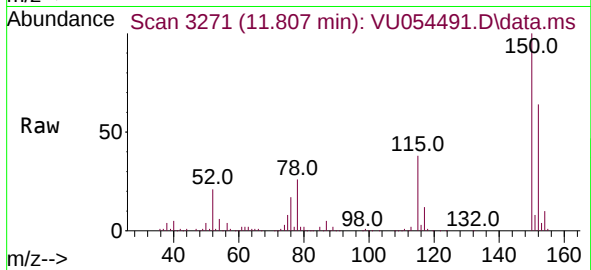
Tgt Ion: 129 Resp: 4143
Ion Ratio Lower Upper
129 100
127 0.0 53.2 98.8#





#61
1,2,3-Trichloropropane
Concen: 1.225 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU054491.D
Acq: 12 Jun 2023 17:11

Instrument :
MSVOA_U
ClientSampleId :
CONR2



Tgt Ion: 75 Resp: 16642
Ion Ratio Lower Upper
75 100
110 1.5 28.0 42.0#
77 32.0 25.4 38.2

