

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072522\
 Data File : U072522.D
 Acq On : 26 Jul 2022 01:26
 Operator : SY/MD
 Sample : N3870-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ06

Quant Time: Jul 26 06:49:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 26 06:46:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	81830	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	77052	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	32531	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	31756	4.794	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.800%
7) Chloroethane-d5	1.912	69	27493	4.959	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.200%
11) 1,1-Dichloroethene-d2	2.565	65	13555	4.584	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	4.632	46	135352	56.783	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.560%
24) Chloroform-d	5.063	84	75548	5.120	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.703	65	44232	5.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.729	84	137142	5.223	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
36) 1,2-Dichloropropane-d6	6.690	67	48548	5.352	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.899	98	109670	4.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	8.179	79	15473	4.698	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.636	63	66151	50.691	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.380%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40960	5.377	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	36790	5.479	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	741	0.086	ug/L #	78
3) Chloromethane	1.517	50	1287	0.121	ug/L	97
5) Vinyl chloride	1.600	62	9028	1.016	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	4231	0.792	ug/L	97
12) 1,1-Dichloroethene	2.578	96	31432	5.813	ug/L	91
17) Methyl tert-butyl Ether	3.362	73	7239	0.413	ug/L	96
18) trans-1,2-Dichloroethene	3.356	96	1475	0.236	ug/L	91
19) 1,1-Dichloroethane	3.870	63	47326	3.503	ug/L	96
22) cis-1,2-Dichloroethene	4.668	96	212275	29.324	ug/L	94
27) 1,2-Dichloroethane	5.796	62	16604	1.687	ug/L	99
29) 1,1,1-Trichloroethane	5.317	97	698	0.065	ug/L #	54
30) Cyclohexane	5.388	56	1760	0.201	ug/L #	89
31) Carbon tetrachloride	5.523	117	799	0.091	ug/L	85
33) Benzene	5.774	78	22251	0.796	ug/L	100
34) Trichloroethene	6.542	95	1460691	215.469	ug/L	98
35) Methylcyclohexane	6.693	83	10916	1.306	ug/L #	16
47) Tetrachloroethene	8.552	164	7976	1.709	ug/L	93
48) 2-Hexanone	8.687	43	16809	4.052	ug/L	96
49) Dibromochloromethane	8.552	129	7804	1.228	ug/L #	14

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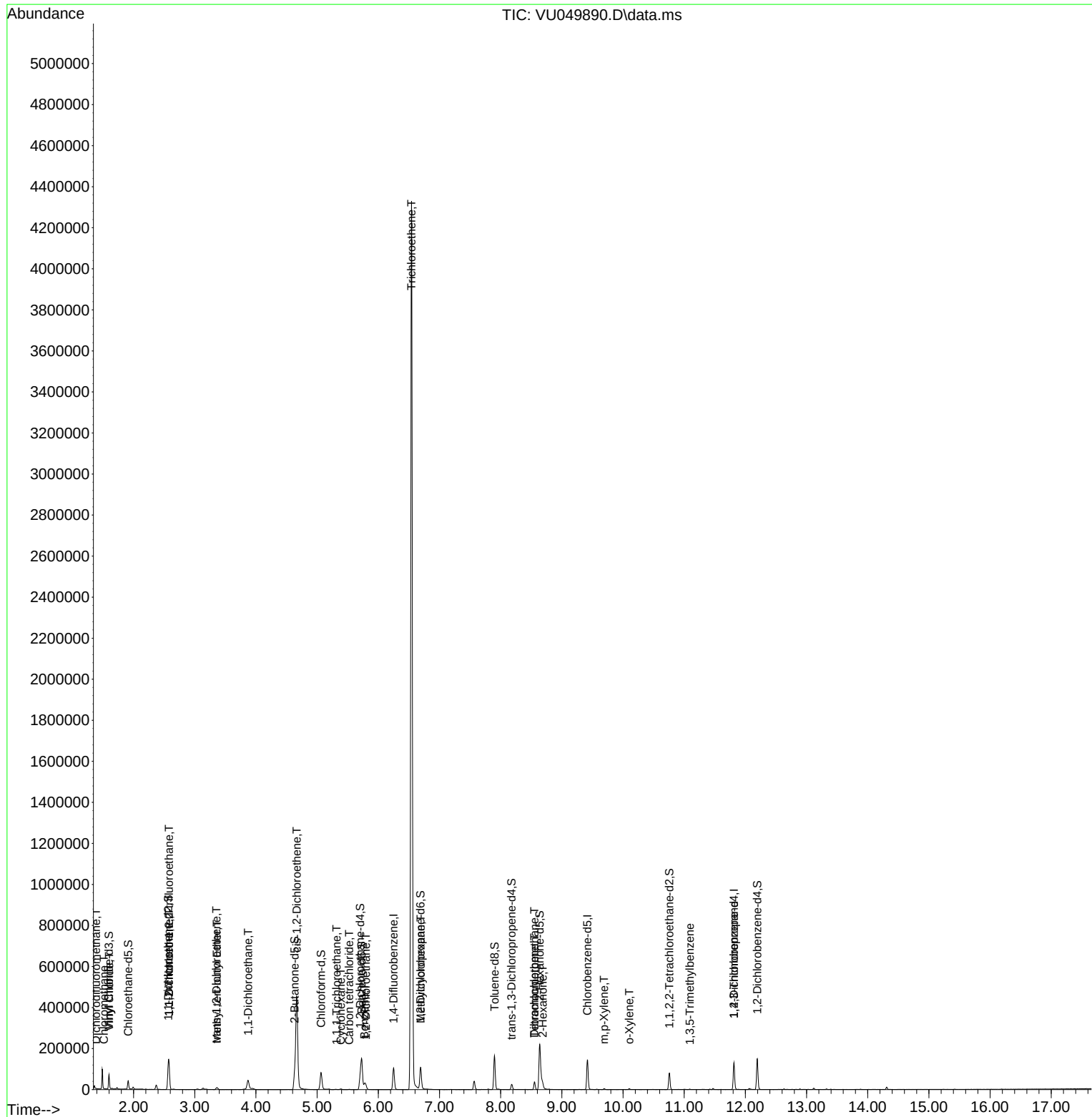
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.690	106	1168	0.110	ug/L	72
54) o-Xylene	10.102	106	1288	0.123	ug/L	72
61) 1,2,3-Trichloropropane	11.812	75	4696	1.083	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.092	105	1312	0.072	ug/L	95

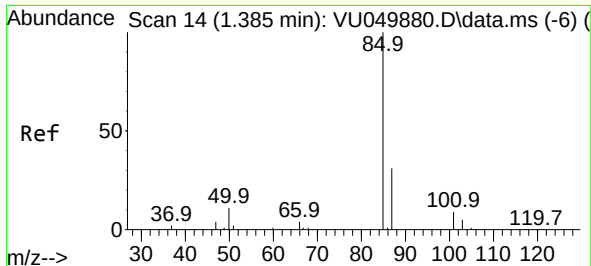
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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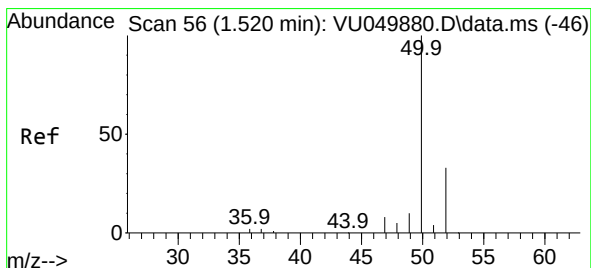
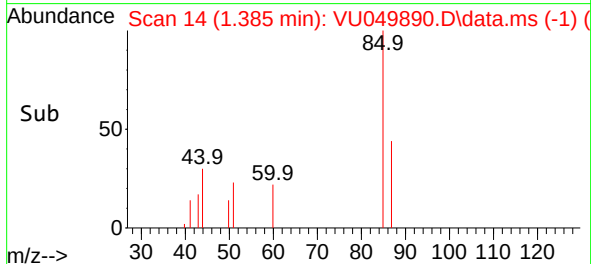
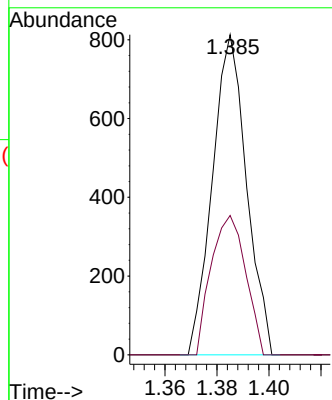
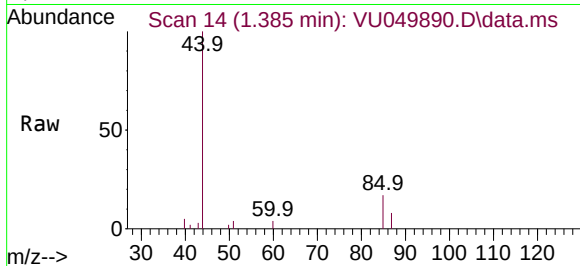




#2
Dichlorodifluoromethane
Concen: 0.086 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

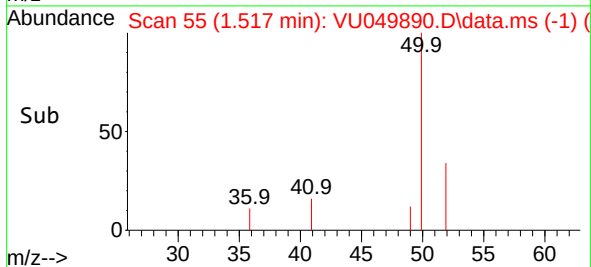
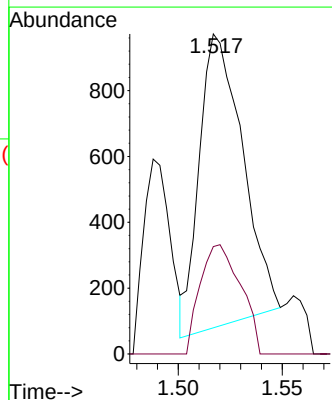
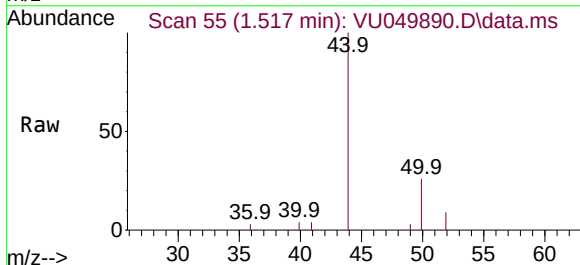
Instrument :
MSVOA_U
ClientSampleId :
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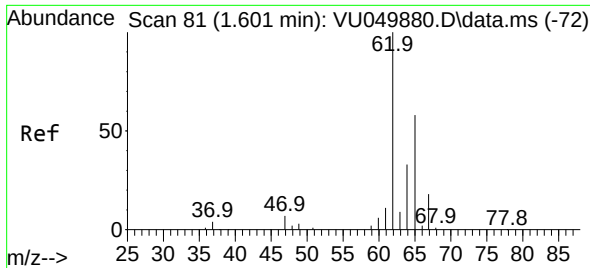
Tgt Ion: 85 Resp: 741
Ion Ratio Lower Upper
85 100
87 44.0 25.4 38.2#



#3
Chloromethane
Concen: 0.121 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

Tgt Ion: 50 Resp: 1287
Ion Ratio Lower Upper
50 100
52 33.5 22.5 41.7

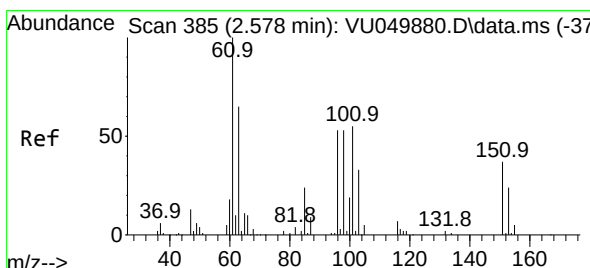
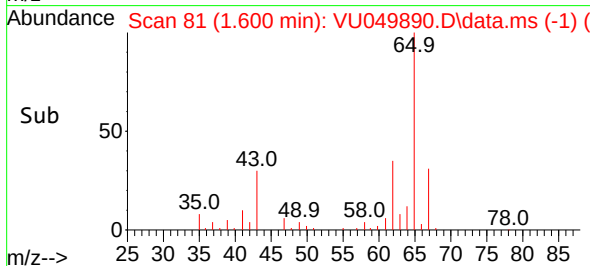
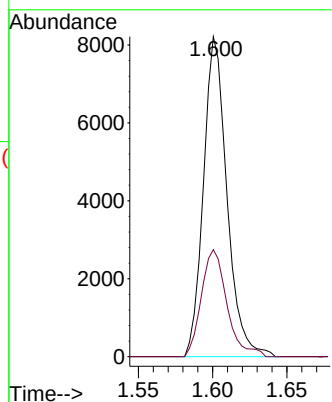
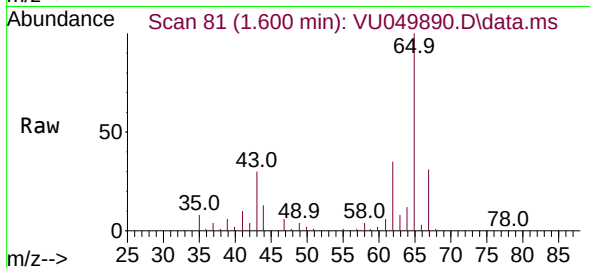




#5
 Vinyl chloride
 Concen: 1.016 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049890.D
 Acq: 26 Jul 2022 01:26

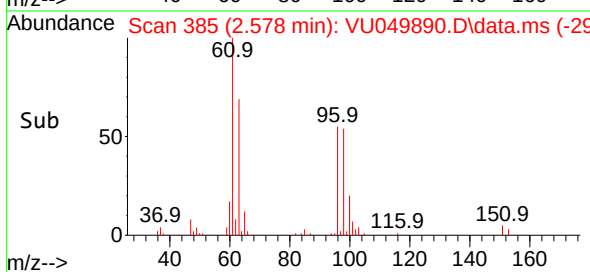
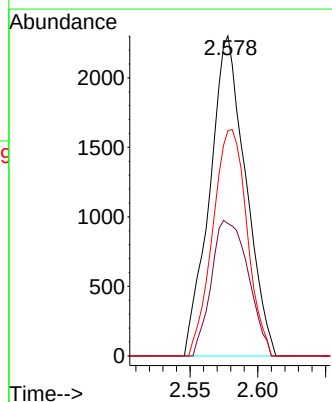
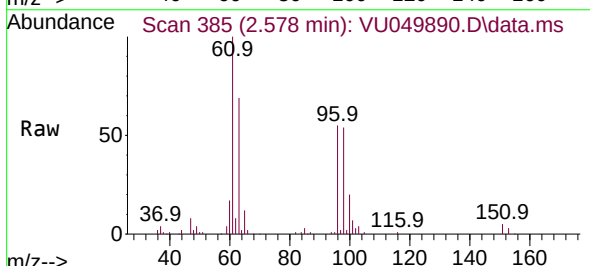
Instrument :
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 ClientSampleId :
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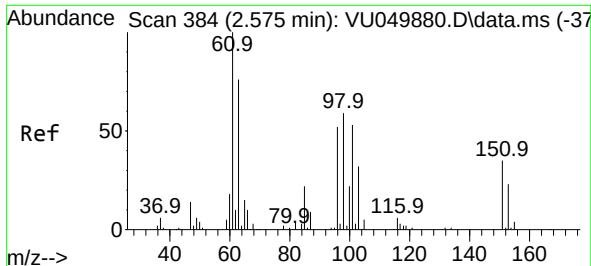
Tgt Ion: 62 Resp: 9028
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.7 42.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.792 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049890.D
 Acq: 26 Jul 2022 01:26

Tgt Ion: 101 Resp: 4231
 Ion Ratio Lower Upper
 101 100
 85 43.6 37.2 55.8
 151 67.7 56.0 84.0





#12

1,1-Dichloroethene

Concen: 5.813 ug/L

RT: 2.578 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049890.D

Acq: 26 Jul 2022 01:26

Instrument :

MSVOA_U

ClientSampleId :

GBJ06

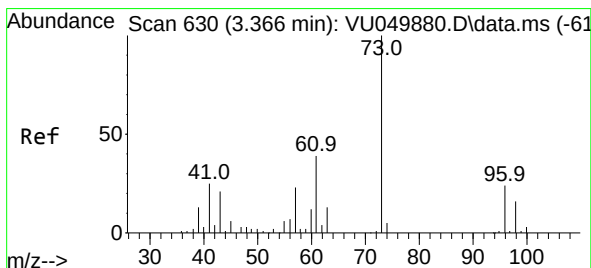
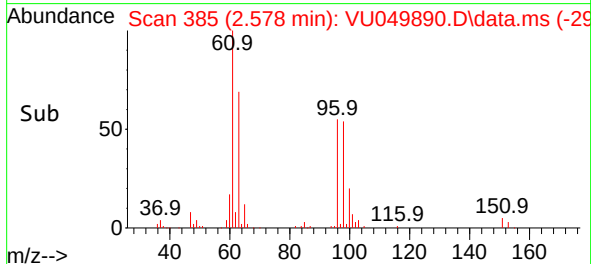
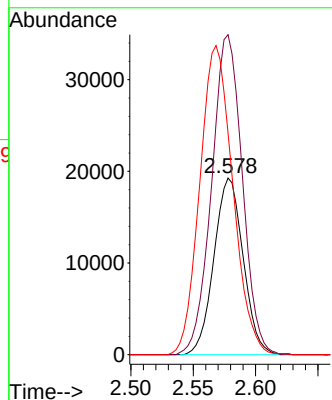
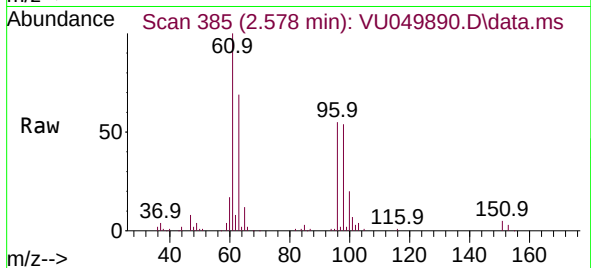
Tgt Ion: 96 Resp: 31432

Ion Ratio Lower Upper

96 100

61 181.1 131.6 244.4

63 125.5 100.0 185.6



#17

Methyl tert-butyl Ether

Concen: 0.413 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU049890.D

Acq: 26 Jul 2022 01:26

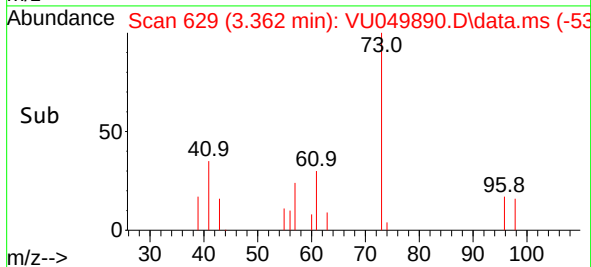
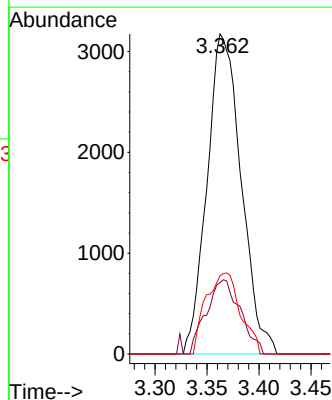
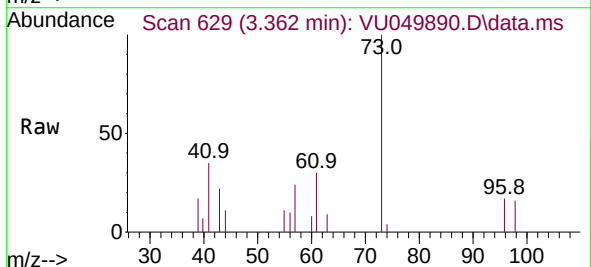
Tgt Ion: 73 Resp: 7239

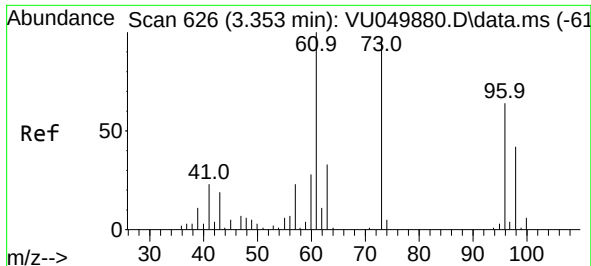
Ion Ratio Lower Upper

73 100

43 23.1 17.4 26.2

57 25.5 18.7 28.1

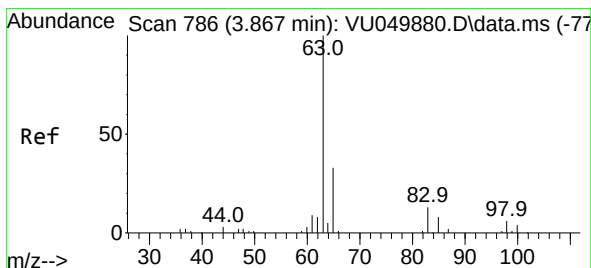
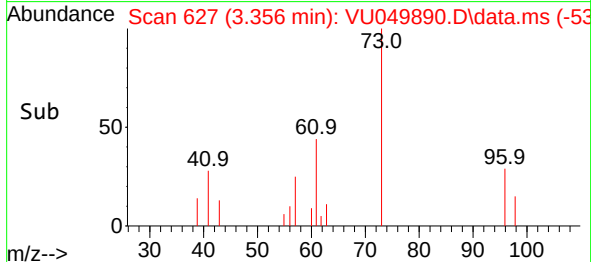
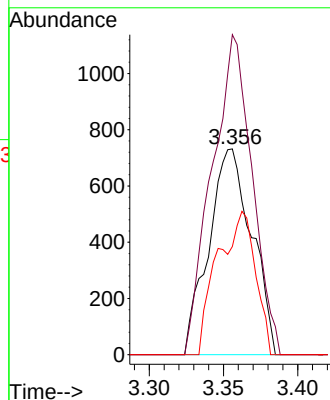
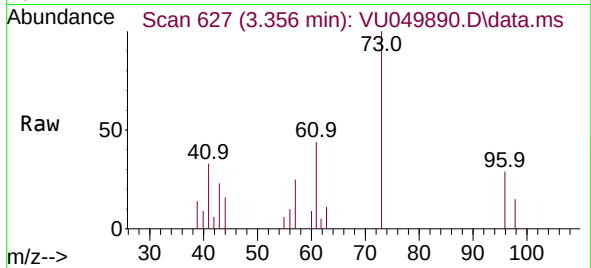




#18
trans-1,2-Dichloroethene
Concen: 0.236 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

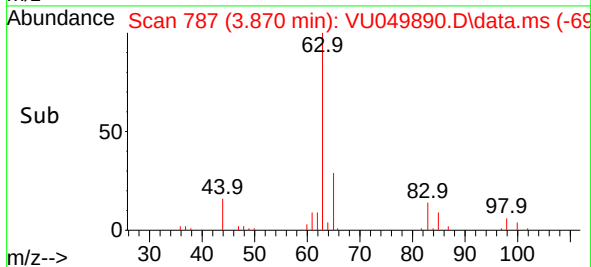
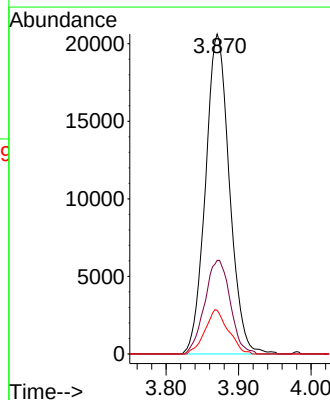
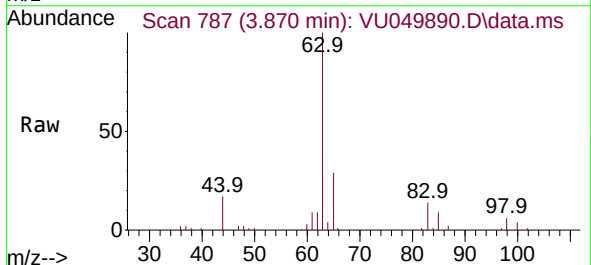
Instrument :
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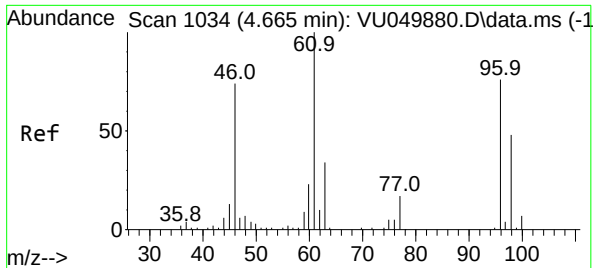
Tgt Ion: 96 Resp: 1475
Ion Ratio Lower Upper
96 100
61 155.5 101.5 188.5
98 52.6 42.5 78.9



#19
1,1-Dichloroethane
Concen: 3.503 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

Tgt Ion: 63 Resp: 47326
Ion Ratio Lower Upper
63 100
65 29.9 22.5 41.9
83 13.6 8.3 15.5

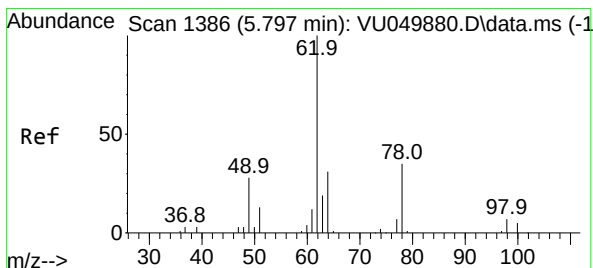
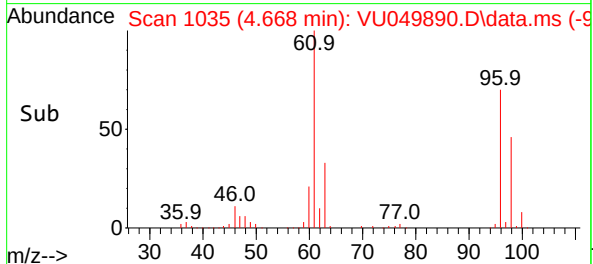
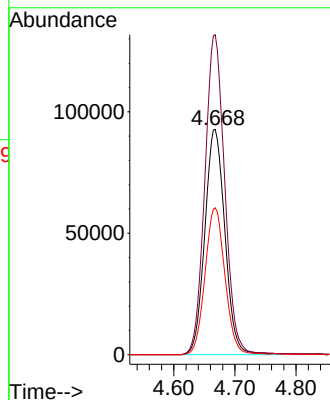
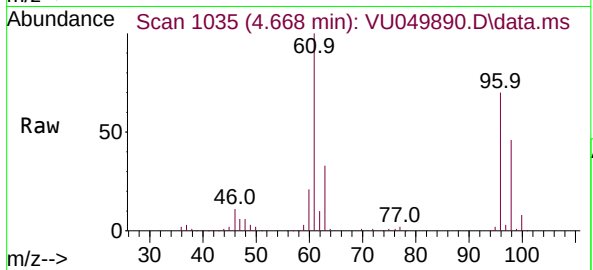




#22
 cis-1,2-Dichloroethene
 Concen: 29.324 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.003 min
 Lab File: VU049890.D
 Acq: 26 Jul 2022 01:26

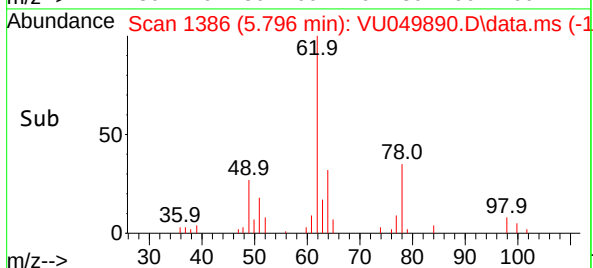
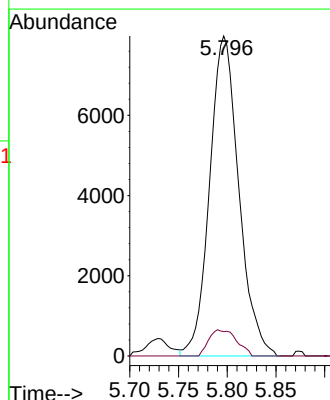
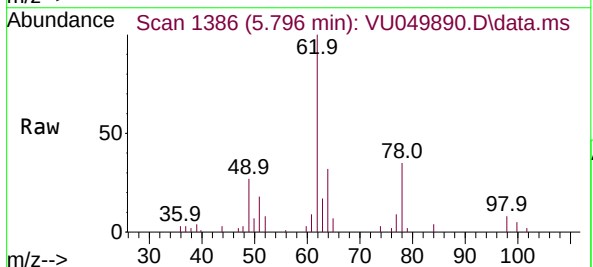
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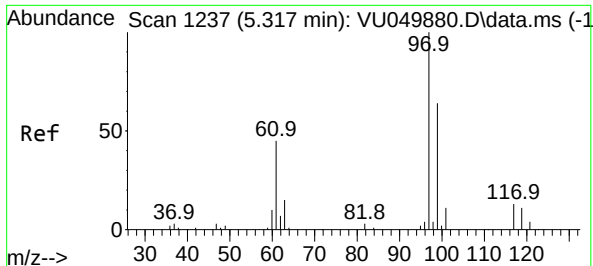
Tgt Ion: 96 Resp: 212275
 Ion Ratio Lower Upper
 96 100
 61 142.1 93.9 174.3
 98 65.2 43.9 81.5



#27
 1,2-Dichloroethane
 Concen: 1.687 ug/L
 RT: 5.796 min Scan# 1386
 Delta R.T. -0.000 min
 Lab File: VU049890.D
 Acq: 26 Jul 2022 01:26

Tgt Ion: 62 Resp: 16604
 Ion Ratio Lower Upper
 62 100
 98 7.6 5.9 8.9





#29

1,1,1-Trichloroethane

Concen: 0.065 ug/L

RT: 5.317 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049890.D

Acq: 26 Jul 2022 01:26

Instrument :

MSVOA_U

ClientSampleId :

GBJ06

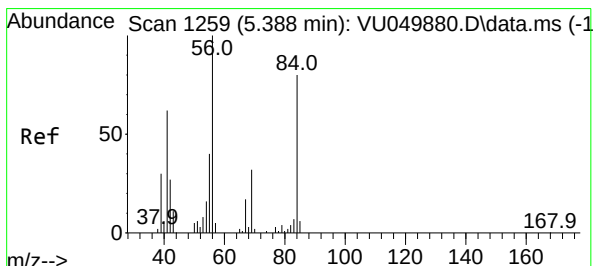
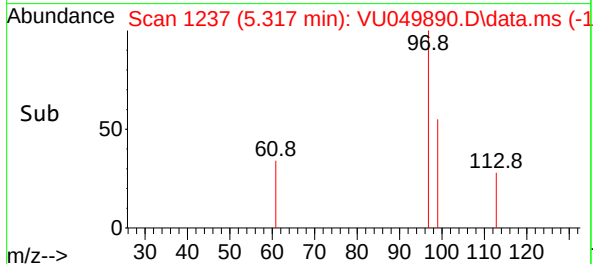
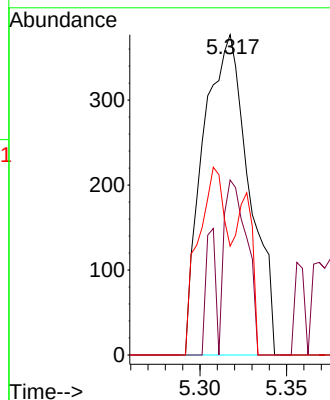
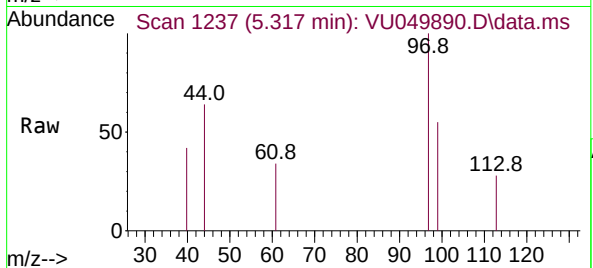
Tgt Ion: 97 Resp: 698

Ion Ratio Lower Upper

97 100

99 27.1 51.8 77.8#

61 18.2 38.3 57.5#



#30

Cyclohexane

Concen: 0.201 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU049890.D

Acq: 26 Jul 2022 01:26

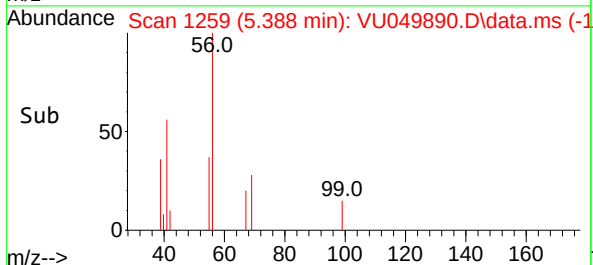
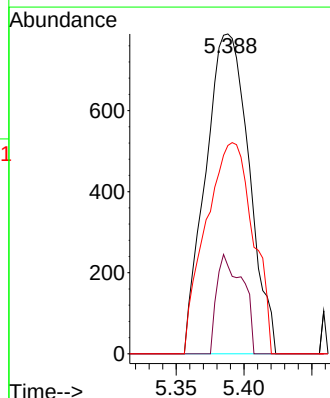
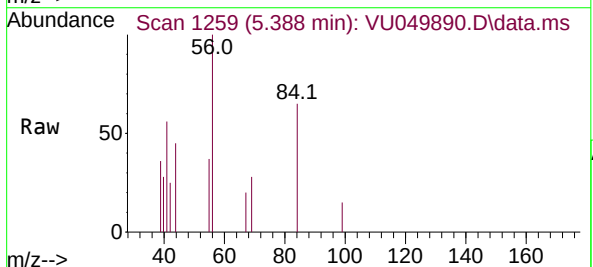
Tgt Ion: 56 Resp: 1760

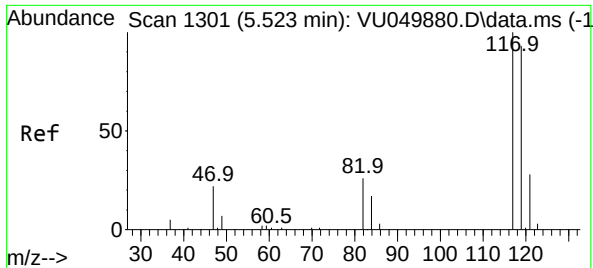
Ion Ratio Lower Upper

56 100

69 18.4 22.8 34.2#

84 71.5 63.0 94.6

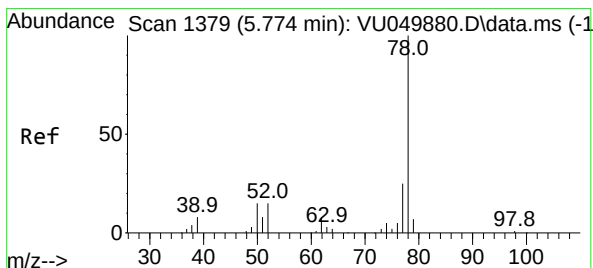
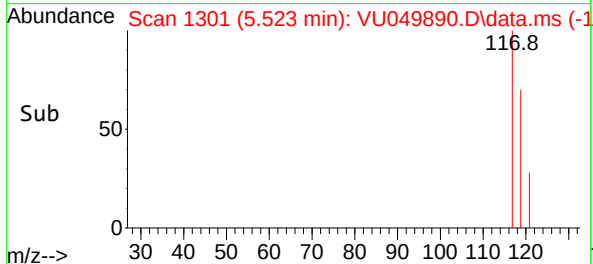
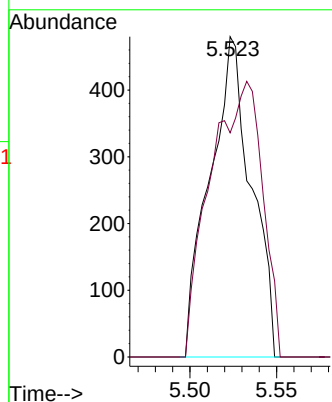
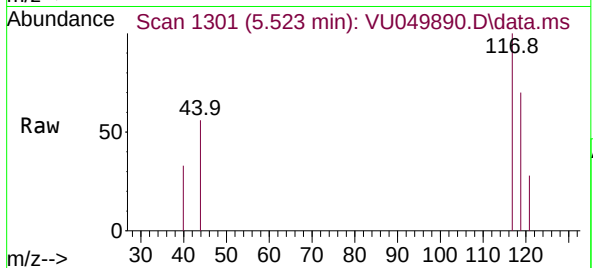




#31
Carbon tetrachloride
Concen: 0.091 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

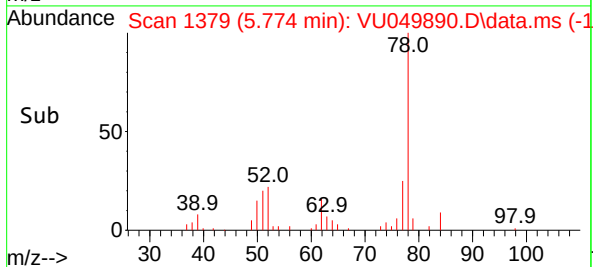
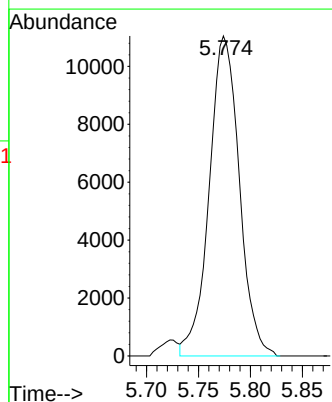
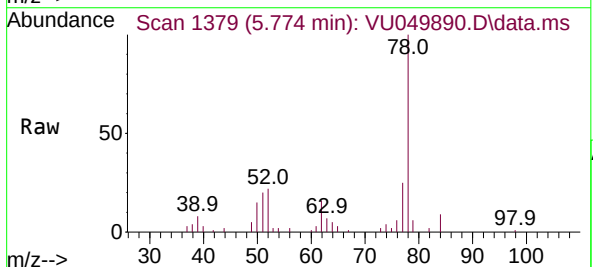
Instrument :
MSVOA_U
ClientSampleId :
GBJ06

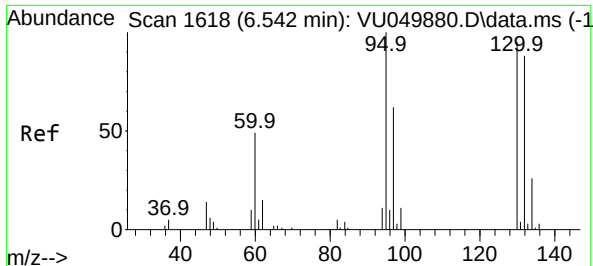
Tgt Ion:117 Resp: 799
Ion Ratio Lower Upper
117 100
119 108.1 75.2 112.8



#33
Benzene
Concen: 0.796 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

Tgt Ion: 78 Resp: 22251



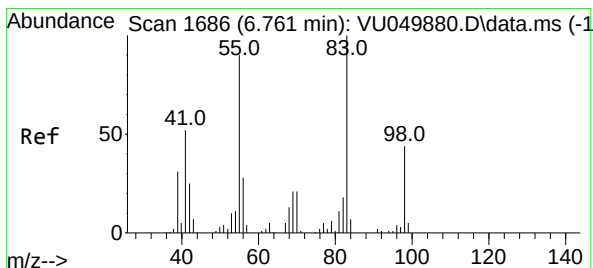
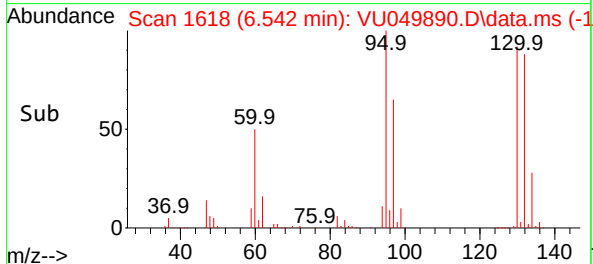
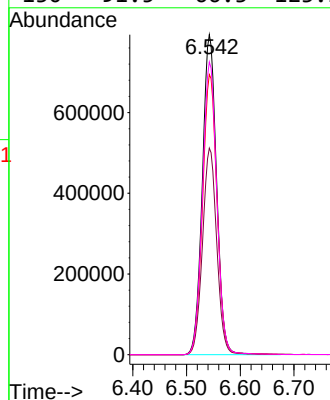
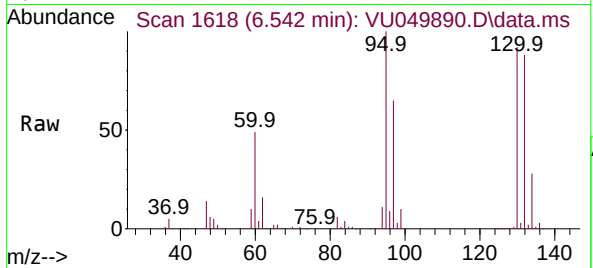


#34
Trichloroethene
Concen: 215.469 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

Instrument :
MSVOA_U
ClientSampleId :
GBJ06

Tgt Ion: 95 Resp: 1460691

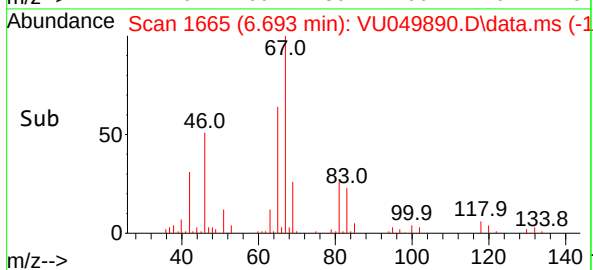
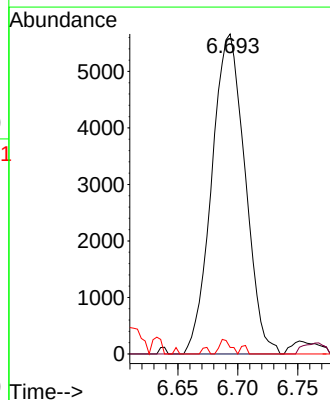
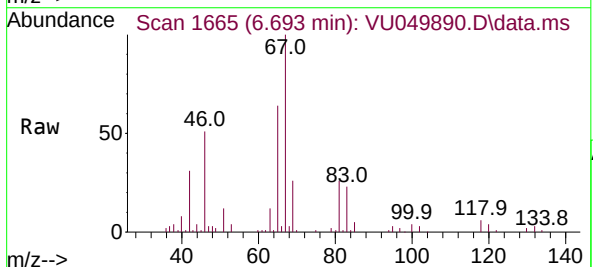
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.8	86.8
132	87.5	61.8	114.8
130	91.5	66.3	123.1

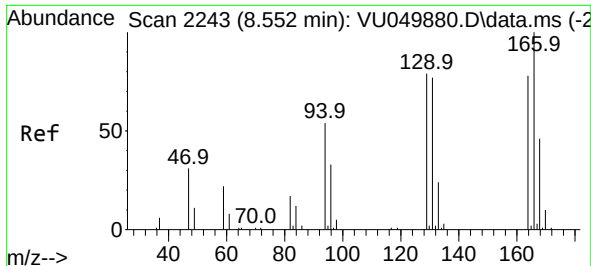


#35
Methylcyclohexane
Concen: 1.306 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.068 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

Tgt Ion: 83 Resp: 10916

Ion	Ratio	Lower	Upper
83	100		
55	2.2	69.0	103.4#
98	0.0	36.4	54.6#



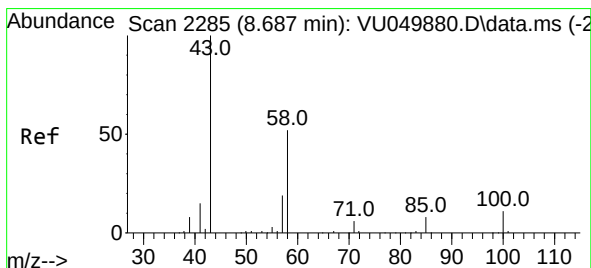
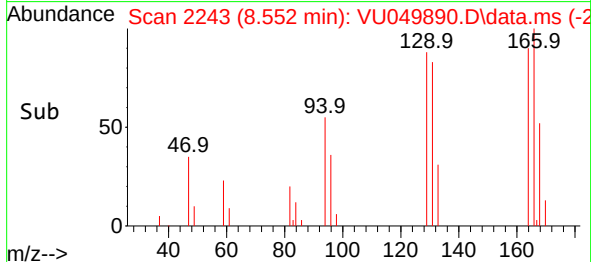
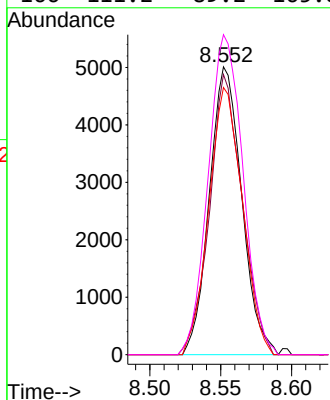
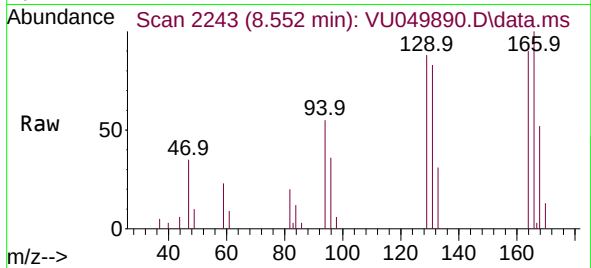


#47
Tetrachloroethene
Concen: 1.709 ug/L
RT: 8.552 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

Instrument :
MSVOA_U
ClientSampleId :
GBJ06

Tgt Ion:164 Resp: 7976

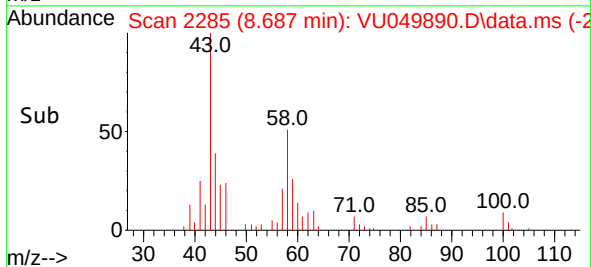
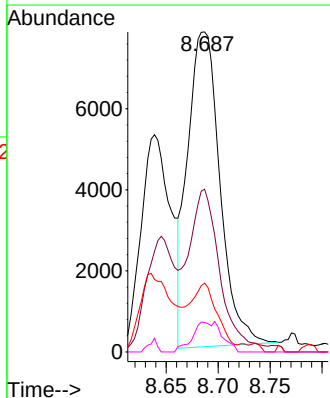
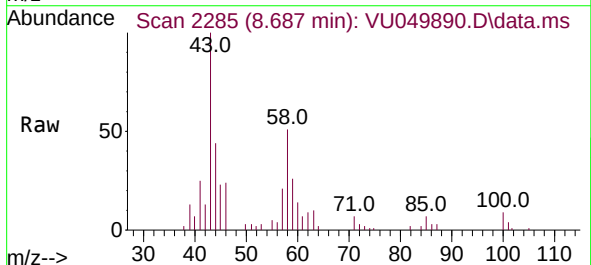
Ion	Ratio	Lower	Upper
164	100		
129	97.3	68.9	127.9
131	92.8	67.5	125.4
166	111.2	89.2	165.8

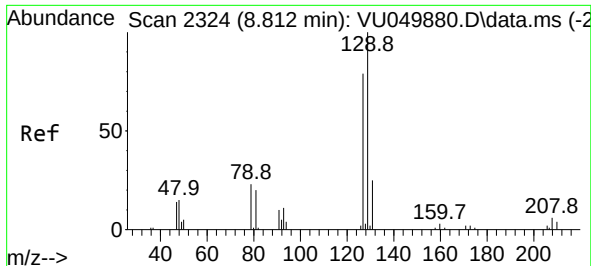


#48
2-Hexanone
Concen: 4.052 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

Tgt Ion: 43 Resp: 16809

Ion	Ratio	Lower	Upper
43	100		
58	48.5	42.1	63.1
57	18.0	14.3	21.5
100	8.6	7.9	11.9





#49

Dibromochloromethane

Concen: 1.228 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.261 min

Lab File: VU049890.D

Acq: 26 Jul 2022 01:26

Instrument :

MSVOA_U

ClientSampleId :

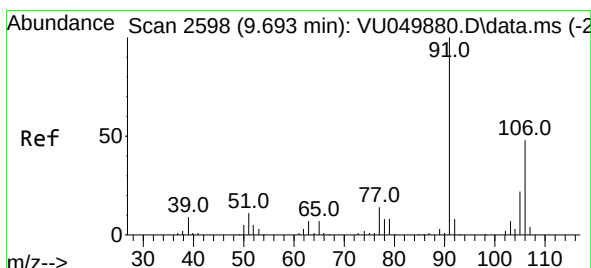
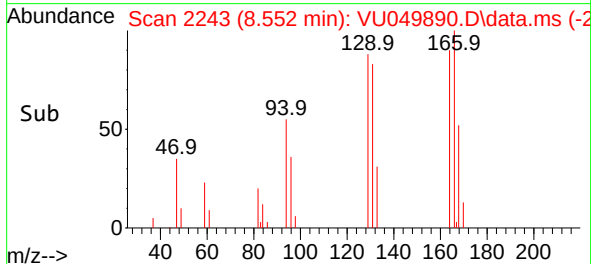
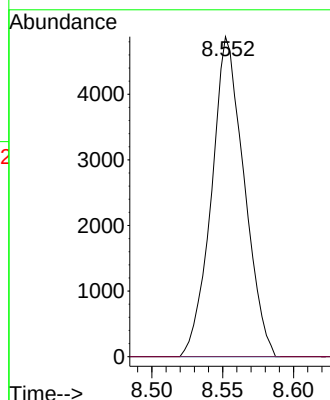
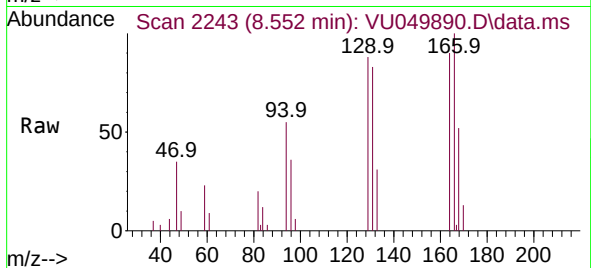
GBJ06

Tgt Ion:129 Resp: 7804

Ion Ratio Lower Upper

129 100

127 0.0 50.5 93.7#



#53

m,p-Xylene

Concen: 0.110 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.003 min

Lab File: VU049890.D

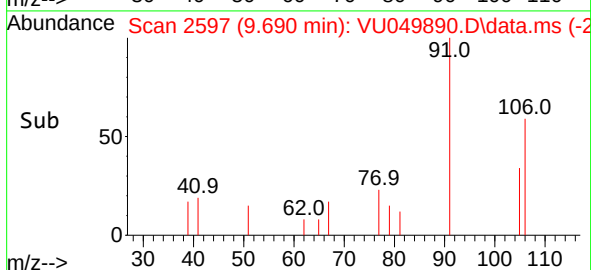
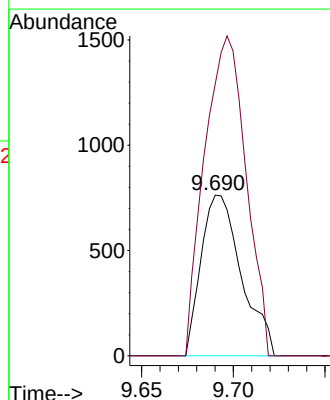
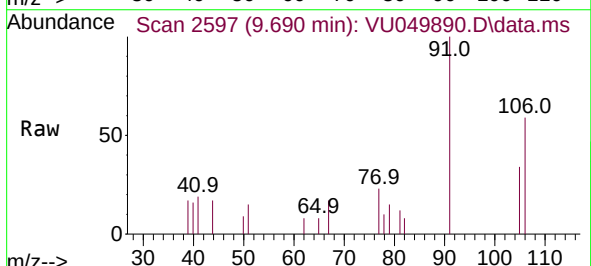
Acq: 26 Jul 2022 01:26

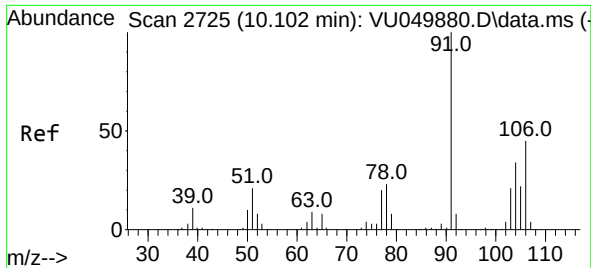
Tgt Ion:106 Resp: 1168

Ion Ratio Lower Upper

106 100

91 169.2 149.7 277.9

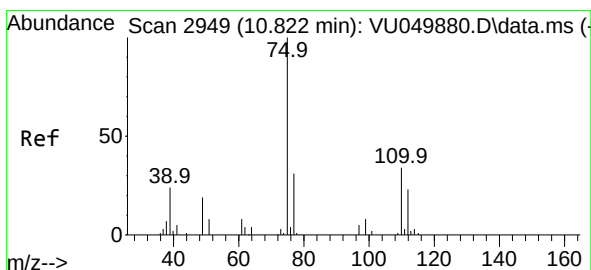
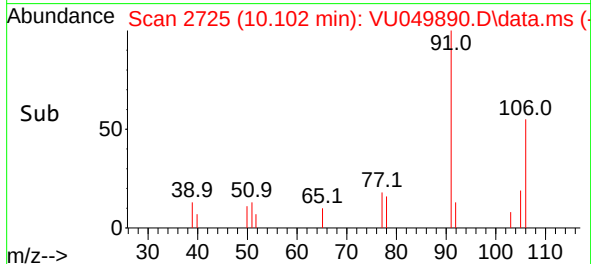
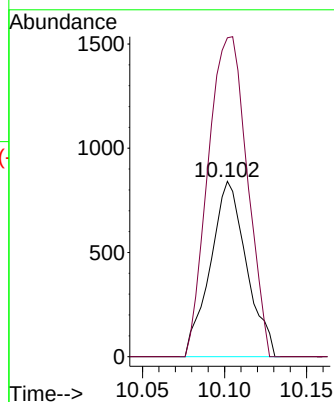
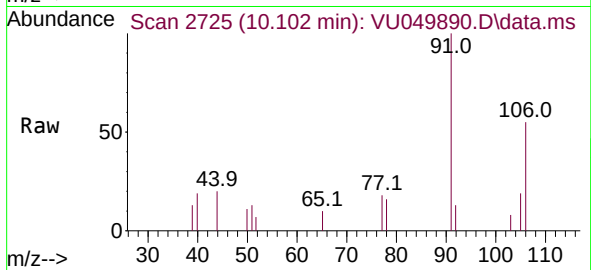




#54
o-Xylene
Concen: 0.123 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

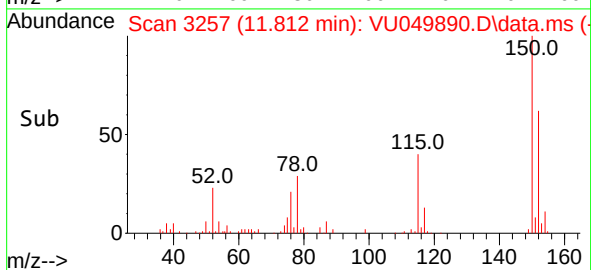
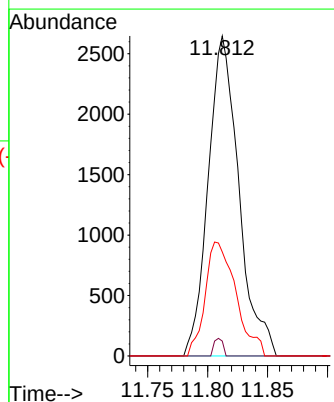
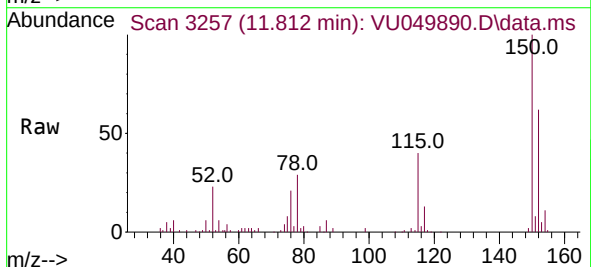
Instrument :
MSVOA_U
ClientSampleId :
GBJ06

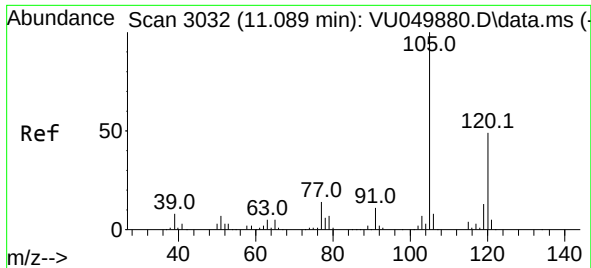
Tgt Ion:106 Resp: 1288
Ion Ratio Lower Upper
106 100
91 181.9 159.4 296.0



#61
1,2,3-Trichloropropane
Concen: 1.083 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.990 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

Tgt Ion: 75 Resp: 4696
Ion Ratio Lower Upper
75 100
110 1.6 28.0 42.0#
77 35.8 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 0.072 ug/L

RT: 11.092 min Scan# 30

Delta R.T. 0.003 min

Lab File: VU049890.D

Acq: 26 Jul 2022 01:26

Instrument :

MSVOA_U

ClientSampleId :

GBJ06

Tgt Ion:105 Resp: 1312

Ion Ratio Lower Upper

105 100

120 44.0 38.0 57.0

