

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072522\
 Data File : VU049891.D
 Acq On : 26 Jul 2022 01:51
 Operator : SY/MD
 Sample : N3870-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ07

Quant Time: Jul 26 06:49:27 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	81462	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	78103	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	31942	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	30896	4.685	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.912	69	27586	4.998	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.000%
11) 1,1-Dichloroethene-d2	2.565	65	14334	4.869	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.400%
20) 2-Butanone-d5	4.642	46	141542	59.648	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.300%
24) Chloroform-d	5.063	84	74001	5.038	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.703	65	43624	5.065	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.726	84	132595	4.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.694	67	47830	5.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.000%
41) Toluene-d8	7.899	98	105160	4.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.182	79	14214	4.258	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.636	63	66718	50.438	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.880%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41189	5.335	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	36042	5.467	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	861	0.100	ug/L	98
3) Chloromethane	1.517	50	1598	0.151	ug/L	86
5) Vinyl chloride	1.601	62	11628	1.314	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	75393	14.173	ug/L	99
12) 1,1-Dichloroethene	2.578	96	20980	3.898	ug/L	99
17) Methyl tert-butyl Ether	3.369	73	4170	0.239	ug/L #	86
18) trans-1,2-Dichloroethene	3.356	96	911	0.146	ug/L	81
19) 1,1-Dichloroethane	3.871	63	33232	2.471	ug/L	97
22) cis-1,2-Dichloroethene	4.668	96	122283	16.969	ug/L	99
27) 1,2-Dichloroethane	5.800	62	3510	0.358	ug/L #	79
29) 1,1,1-Trichloroethane	5.311	97	1161	0.106	ug/L #	72
33) Benzene	5.777	78	4212	0.149	ug/L	100
34) Trichloroethene	6.542	95	1207345	175.701	ug/L	98
35) Methylcyclohexane	6.690	83	11091	1.309	ug/L #	15
37) 1,2-Dichloropropane	6.690	63	5548	0.687	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	1132	0.106	ug/L #	67
47) Tetrachloroethene	8.555	164	10614	2.244	ug/L	99
48) 2-Hexanone	8.687	43	18257	4.342	ug/L #	88
49) Dibromochloromethane	8.555	129	10542	1.636	ug/L #	14

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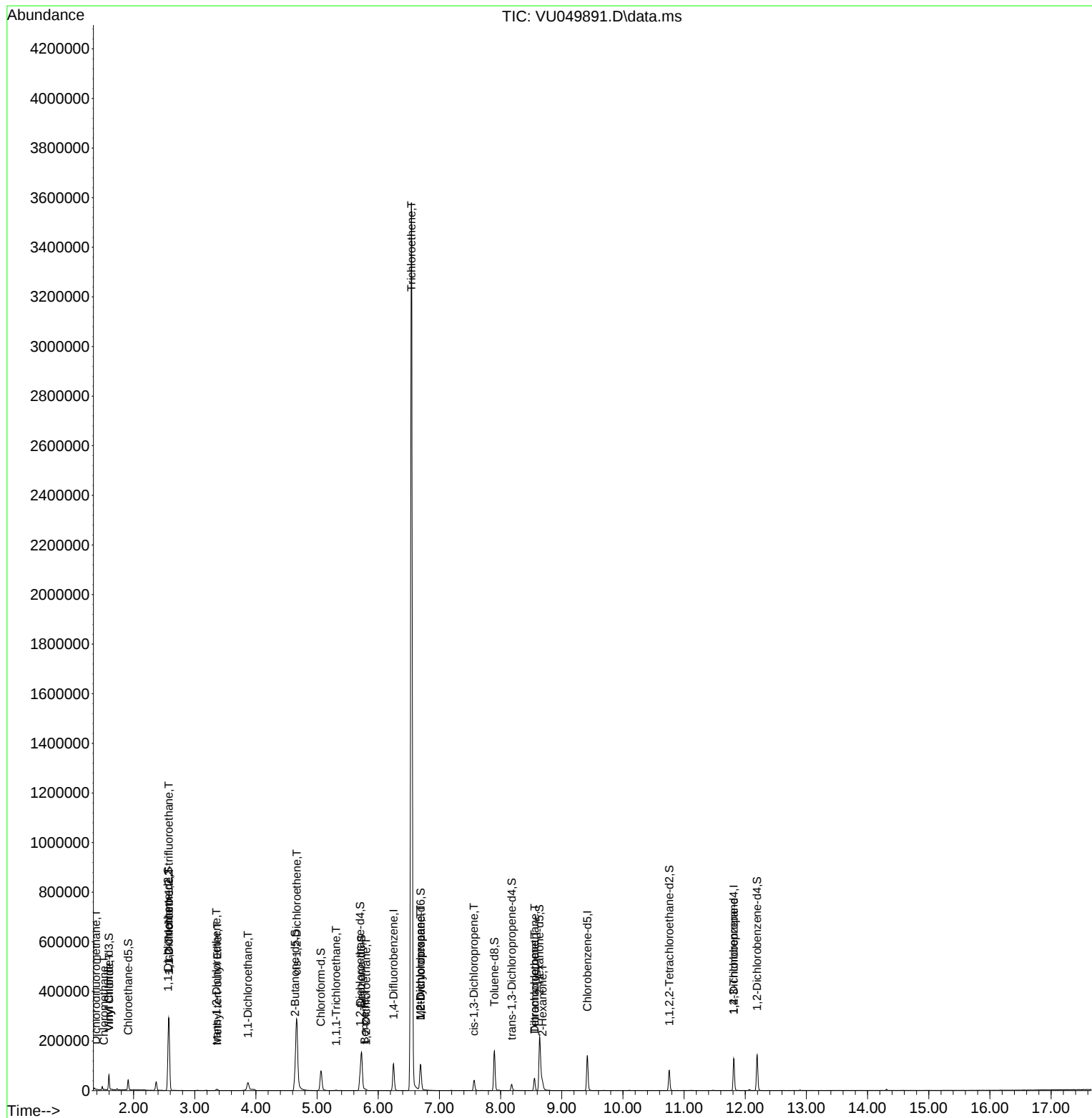
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.812	75	4583	1.077	ug/L	# 67

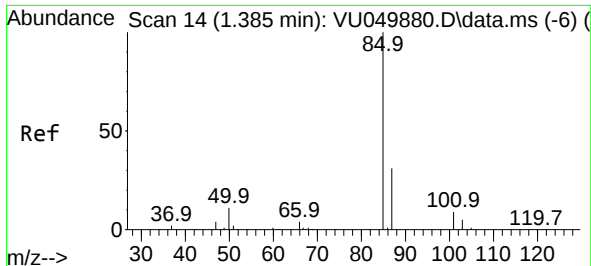
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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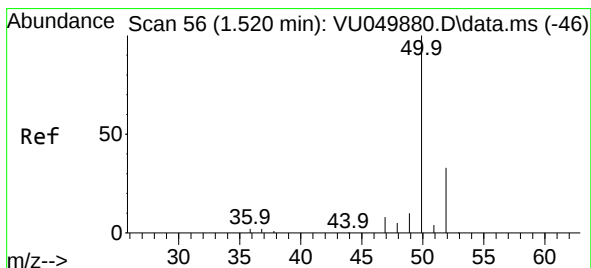
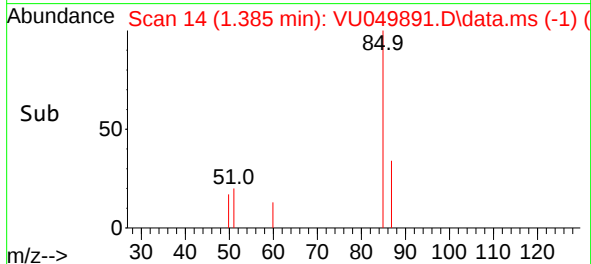
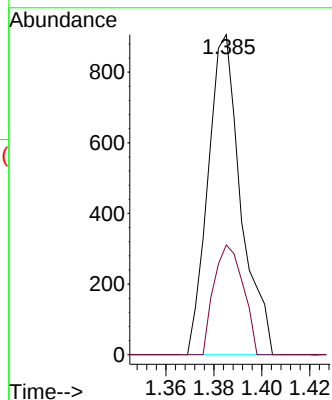
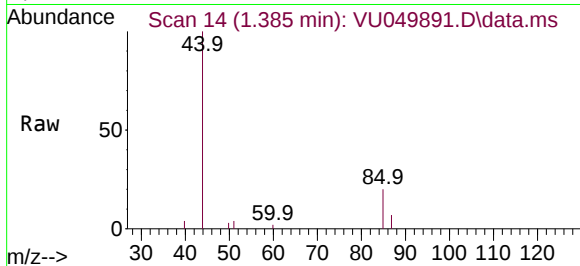




#2
Dichlorodifluoromethane
Concen: 0.100 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU049891.D
Acq: 26 Jul 2022 01:51

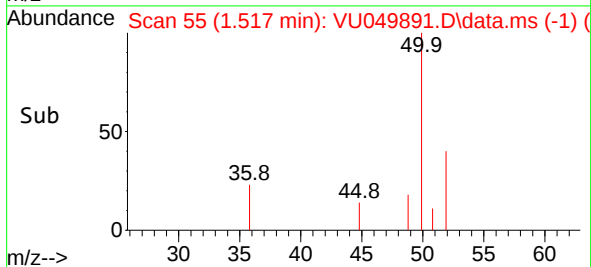
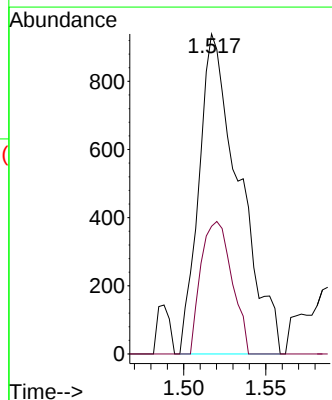
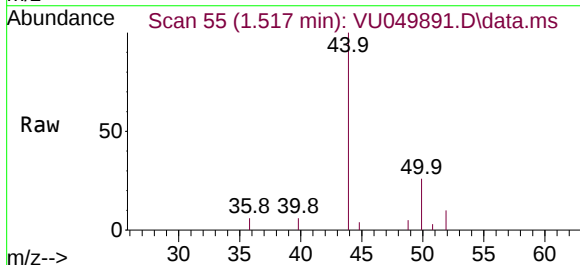
Instrument :
MSVOA_U
ClientSampleId :
GBJ07

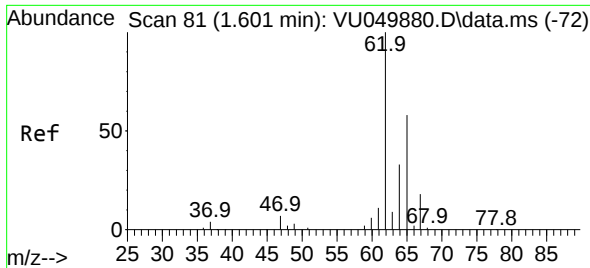
Tgt Ion: 85 Resp: 861
Ion Ratio Lower Upper
85 100
87 30.4 25.4 38.2



#3
Chloromethane
Concen: 0.151 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049891.D
Acq: 26 Jul 2022 01:51

Tgt Ion: 50 Resp: 1598
Ion Ratio Lower Upper
50 100
52 39.9 22.5 41.7

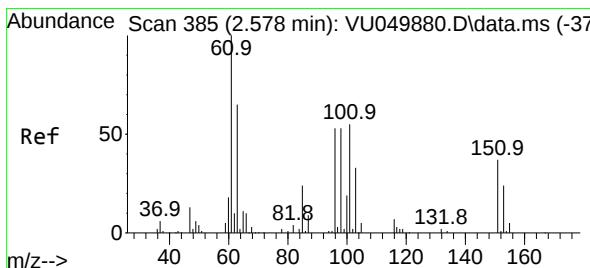
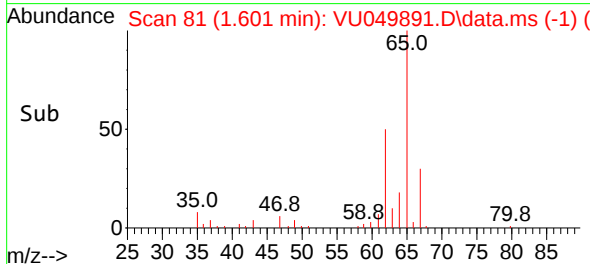
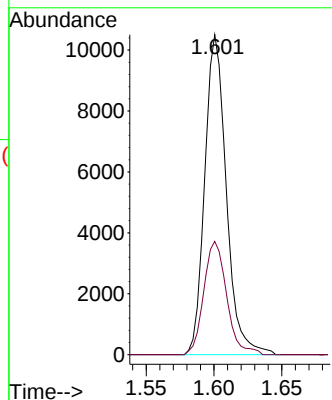
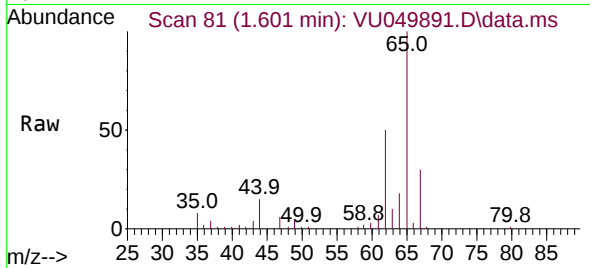




#5
 Vinyl chloride
 Concen: 1.314 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049891.D
 Acq: 26 Jul 2022 01:51

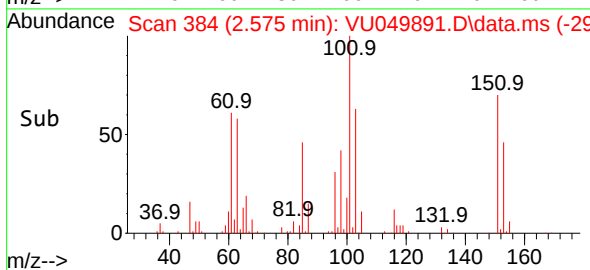
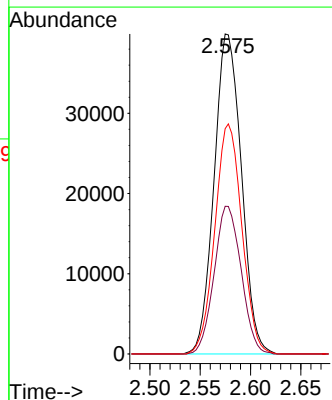
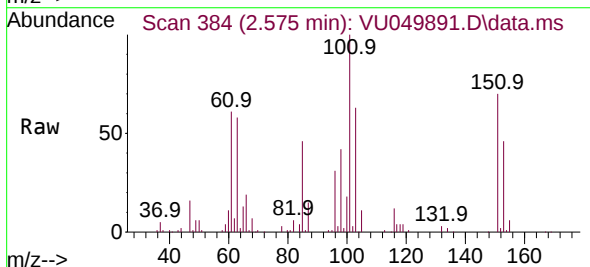
Instrument :
 MSVOA_U
 ClientSampleId :
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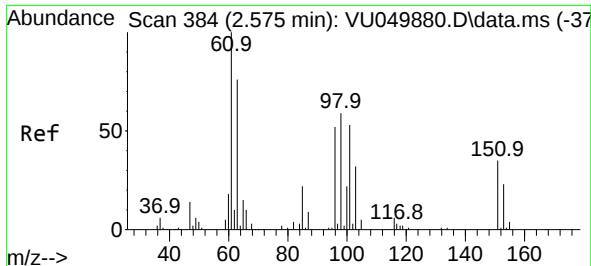
Tgt Ion: 62 Resp: 11628
 Ion Ratio Lower Upper
 62 100
 64 35.4 22.7 42.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 14.173 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049891.D
 Acq: 26 Jul 2022 01:51

Tgt Ion: 101 Resp: 75393
 Ion Ratio Lower Upper
 101 100
 85 45.6 37.2 55.8
 151 71.2 56.0 84.0





#12

1,1-Dichloroethene

Concen: 3.898 ug/L

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU049891.D

Acq: 26 Jul 2022 01:51

Instrument :

MSVOA_U

ClientSampleId :

GBJ07

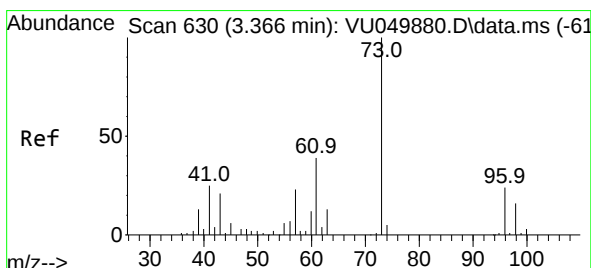
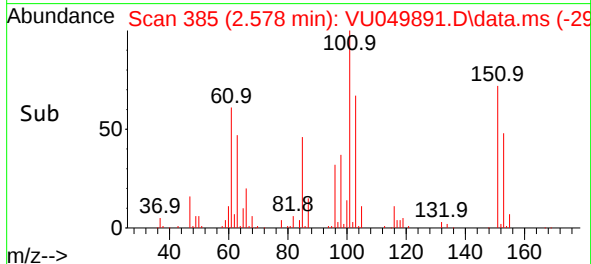
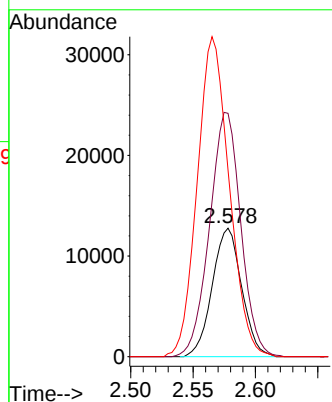
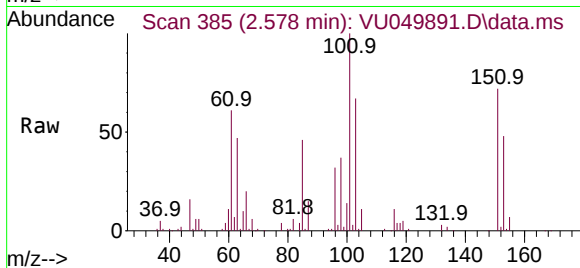
Tgt Ion: 96 Resp: 20980

Ion Ratio Lower Upper

96 100

61 189.4 131.6 244.4

63 145.1 100.0 185.6



#17

Methyl tert-butyl Ether

Concen: 0.239 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.003 min

Lab File: VU049891.D

Acq: 26 Jul 2022 01:51

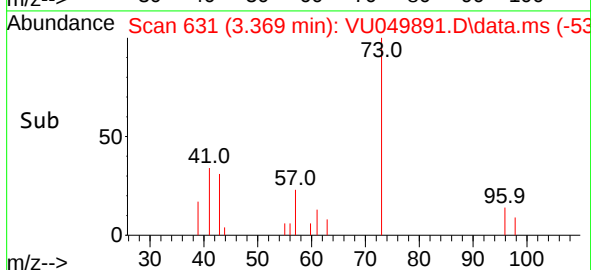
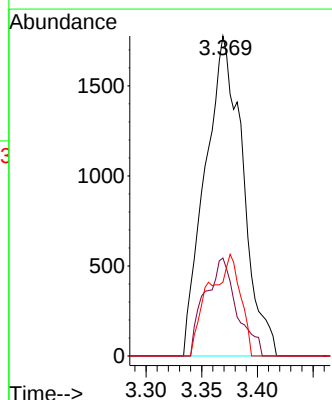
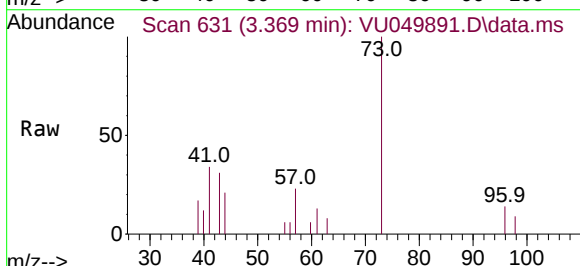
Tgt Ion: 73 Resp: 4170

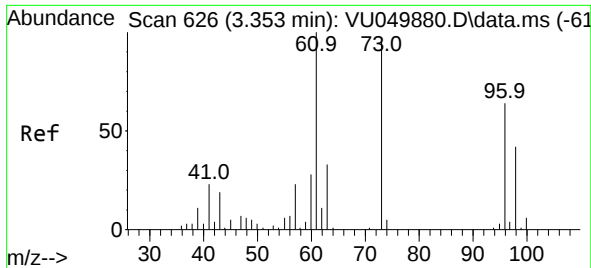
Ion Ratio Lower Upper

73 100

43 26.0 17.4 26.2

57 14.6 18.7 28.1#

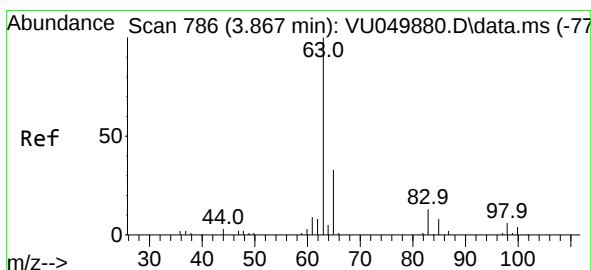
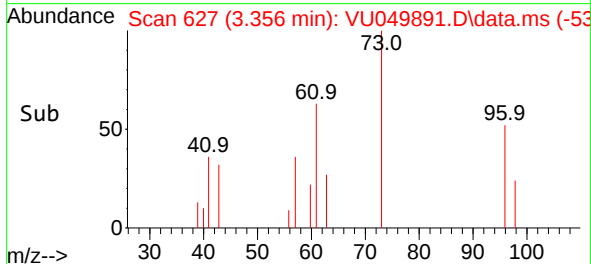
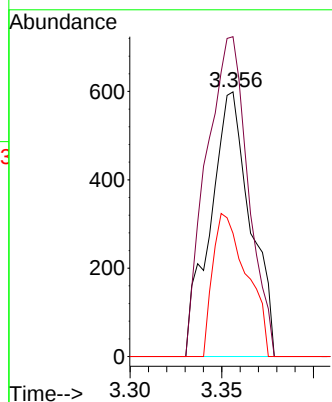
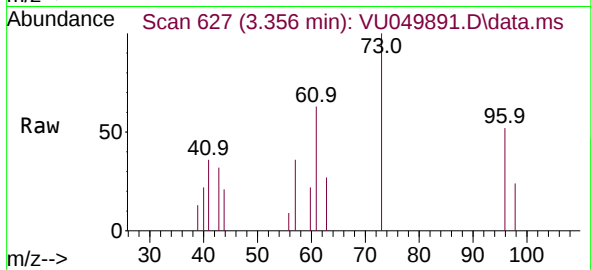




#18
trans-1,2-Dichloroethene
Concen: 0.146 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU049891.D
Acq: 26 Jul 2022 01:51

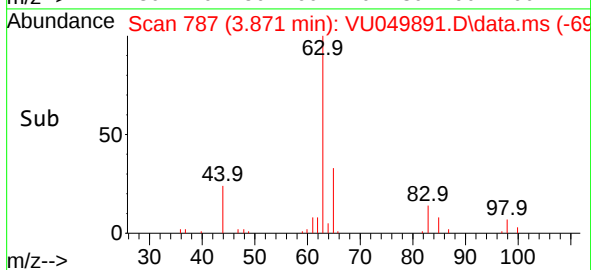
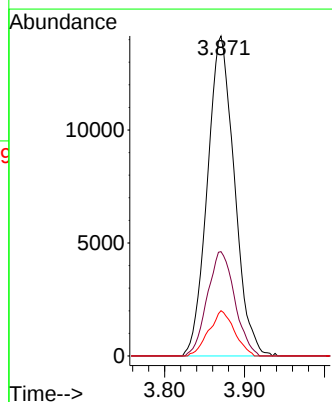
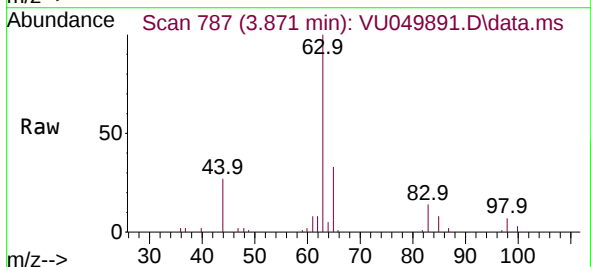
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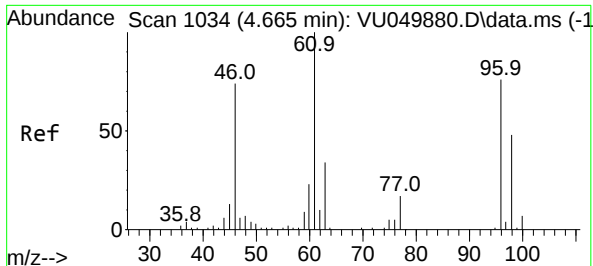
Tgt Ion: 96 Resp: 911
Ion Ratio Lower Upper
96 100
61 120.9 101.5 188.5
98 46.6 42.5 78.9



#19
1,1-Dichloroethane
Concen: 2.471 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU049891.D
Acq: 26 Jul 2022 01:51

Tgt Ion: 63 Resp: 33232
Ion Ratio Lower Upper
63 100
65 33.5 22.5 41.9
83 14.2 8.3 15.5

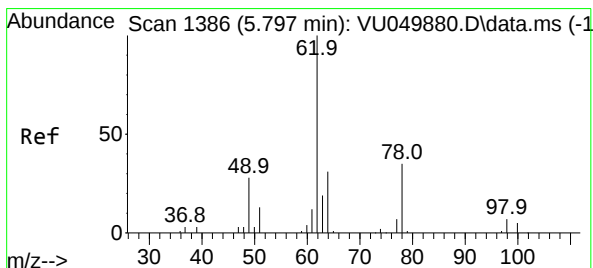
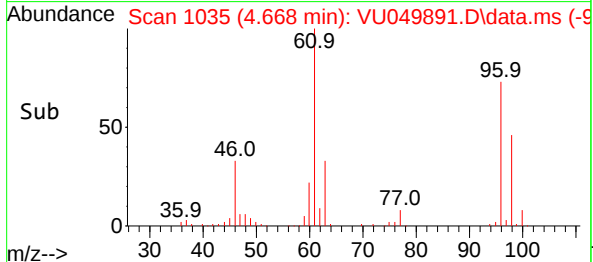
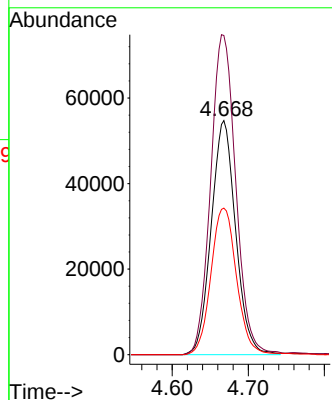
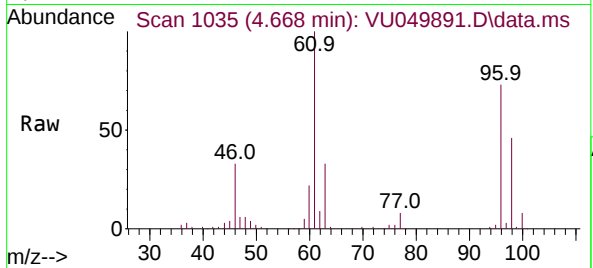




#22
 cis-1,2-Dichloroethene
 Concen: 16.969 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.003 min
 Lab File: VU049891.D
 Acq: 26 Jul 2022 01:51

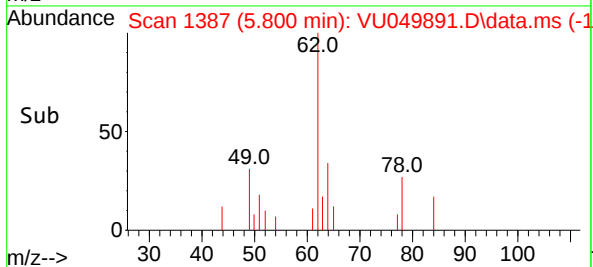
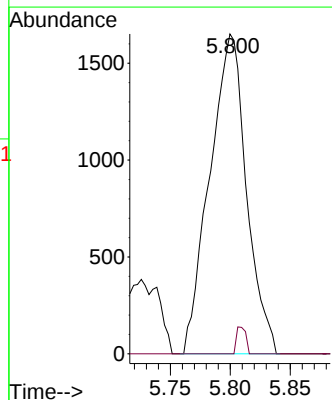
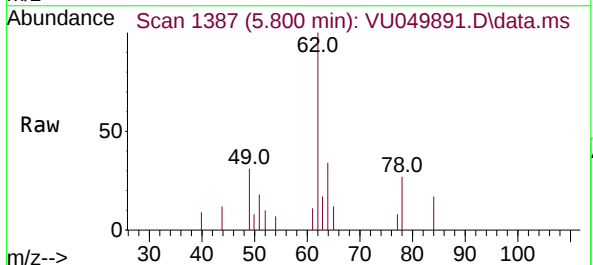
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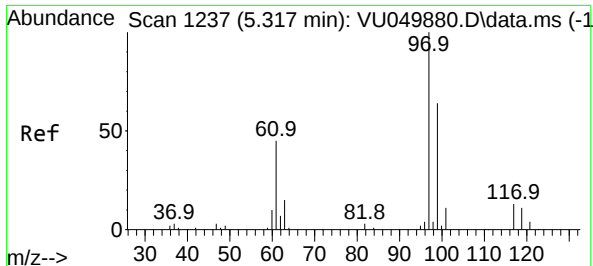
Tgt Ion: 96 Resp: 122283
 Ion Ratio Lower Upper
 96 100
 61 136.4 93.9 174.3
 98 62.6 43.9 81.5



#27
 1,2-Dichloroethane
 Concen: 0.358 ug/L
 RT: 5.800 min Scan# 1387
 Delta R.T. 0.003 min
 Lab File: VU049891.D
 Acq: 26 Jul 2022 01:51

Tgt Ion: 62 Resp: 3510
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.9 8.9#





#29

1,1,1-Trichloroethane

Concen: 0.106 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU049891.D

Acq: 26 Jul 2022 01:51

Instrument :

MSVOA_U

ClientSampleId :

GBJ07

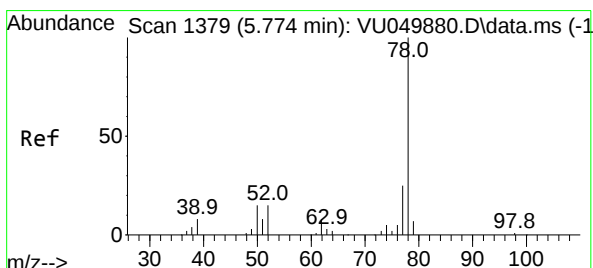
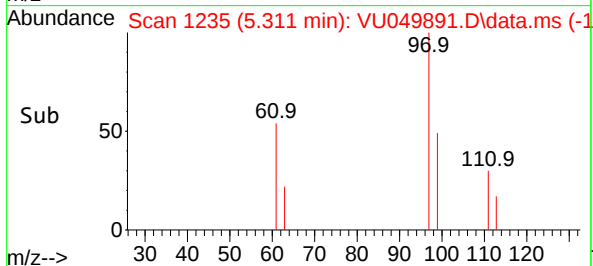
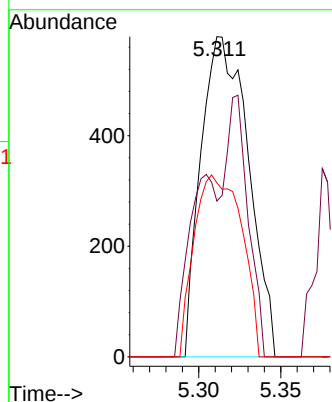
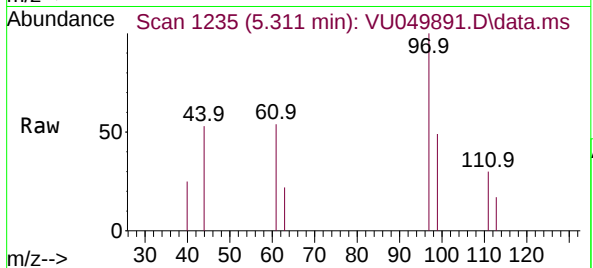
Tgt Ion: 97 Resp: 1161

Ion Ratio Lower Upper

97 100

99 34.2 51.8 77.8#

61 57.1 38.3 57.5



#33

Benzene

Concen: 0.149 ug/L

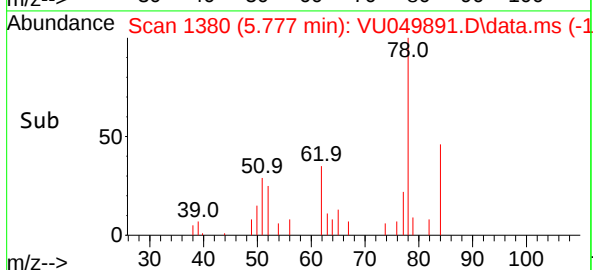
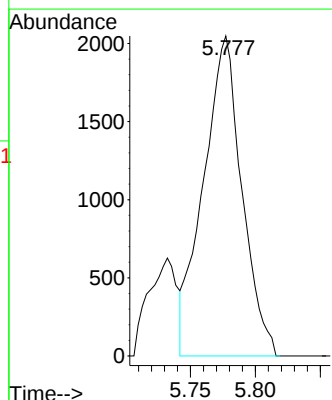
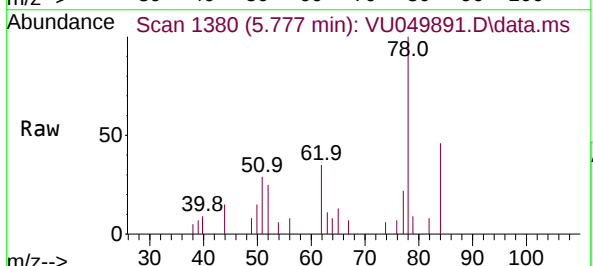
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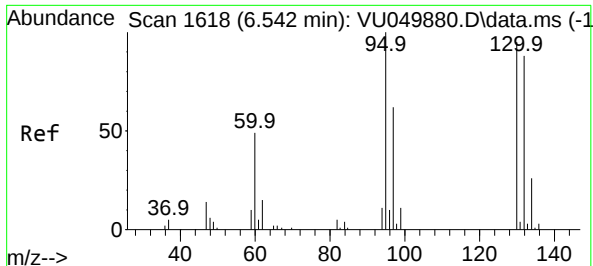
Delta R.T. 0.003 min

Lab File: VU049891.D

Acq: 26 Jul 2022 01:51

Tgt Ion: 78 Resp: 4212





#34

Trichloroethene

Concen: 175.701 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049891.D

Acq: 26 Jul 2022 01:51

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 95 Resp: 1207345

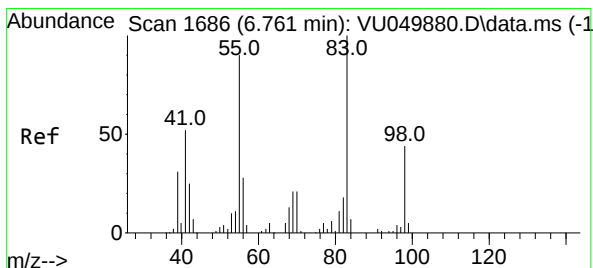
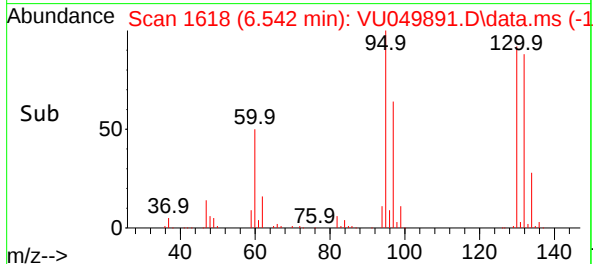
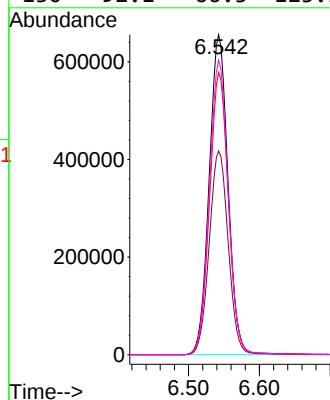
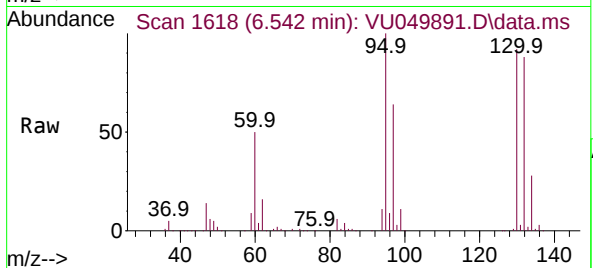
Ion Ratio Lower Upper

95 100

97 63.7 46.8 86.8

132 88.2 61.8 114.8

130 92.1 66.3 123.1



#35

Methylcyclohexane

Concen: 1.309 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.071 min

Lab File: VU049891.D

Acq: 26 Jul 2022 01:51

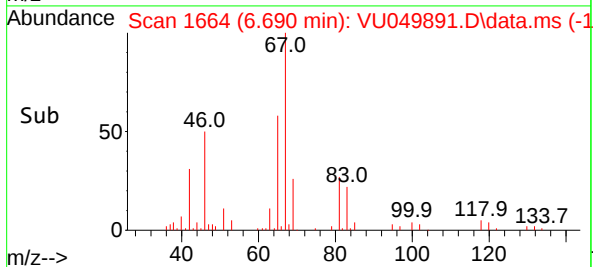
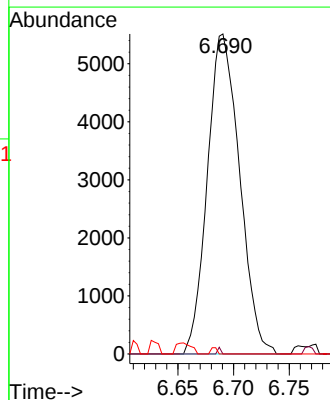
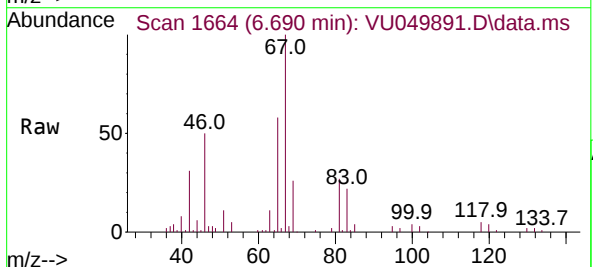
Tgt Ion: 83 Resp: 11091

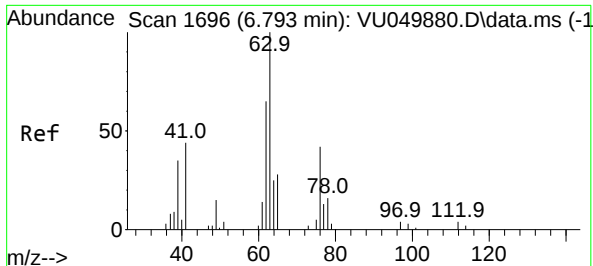
Ion Ratio Lower Upper

83 100

55 0.2 69.0 103.4#

98 0.0 36.4 54.6#





#37

1,2-Dichloropropane

Concen: 0.687 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU049891.D

Acq: 26 Jul 2022 01:51

Instrument :

MSVOA_U

ClientSampleId :

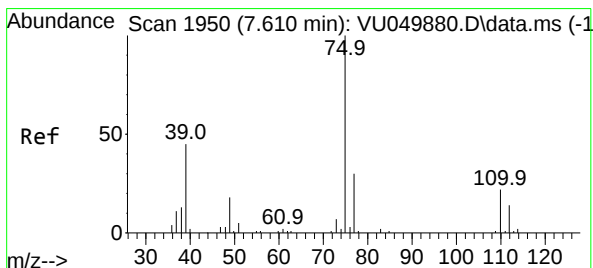
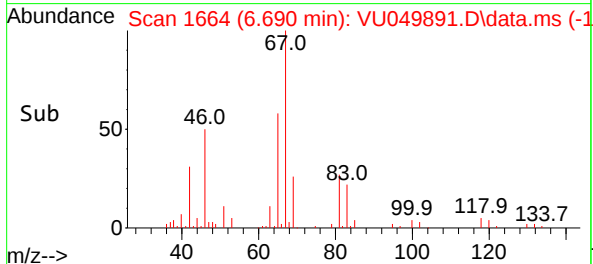
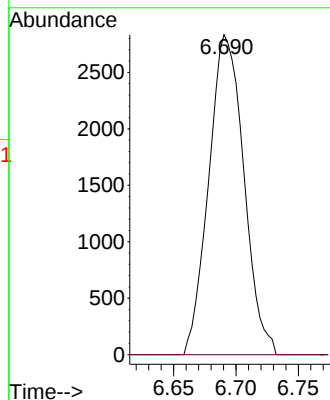
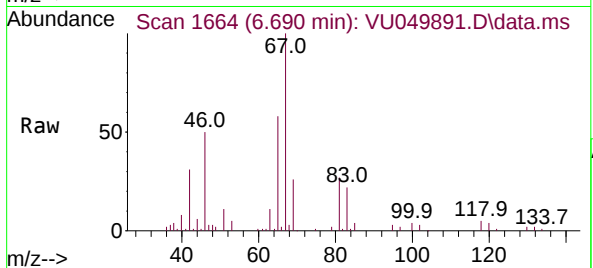
GBJ07

Tgt Ion: 63 Resp: 5548

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU049891.D

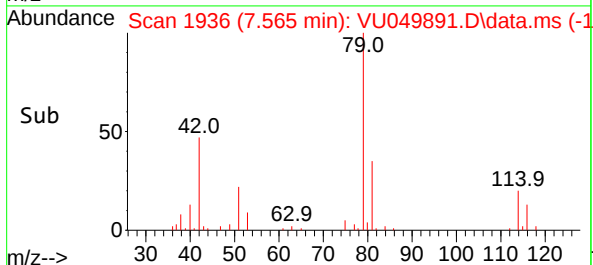
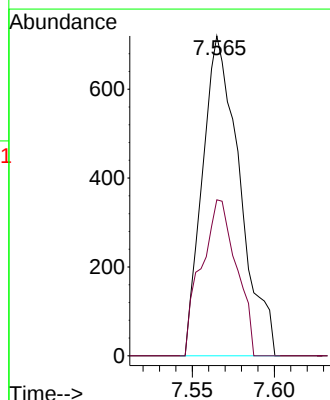
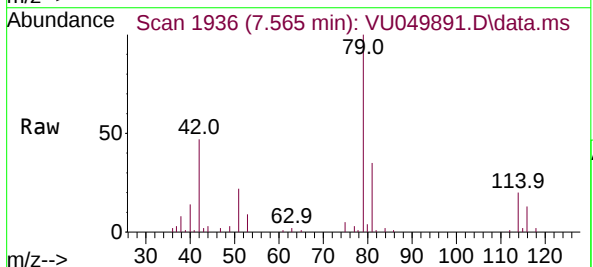
Acq: 26 Jul 2022 01:51

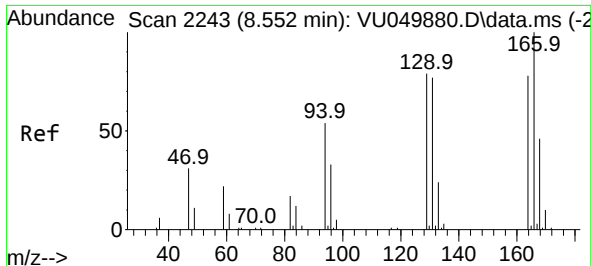
Tgt Ion: 75 Resp: 1132

Ion Ratio Lower Upper

75 100

77 48.8 21.6 40.0#





#47

Tetrachloroethene

Concen: 2.244 ug/L

RT: 8.555 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049891.D

Acq: 26 Jul 2022 01:51

Instrument :

MSVOA_U

ClientSampleId :

GBJ07

Tgt Ion:164 Resp: 10614

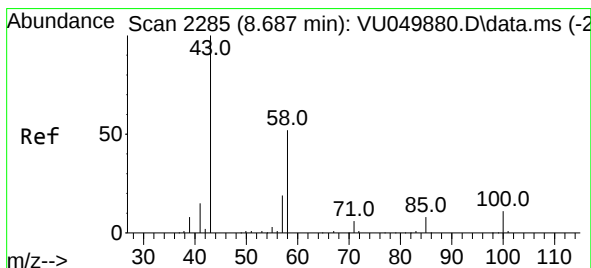
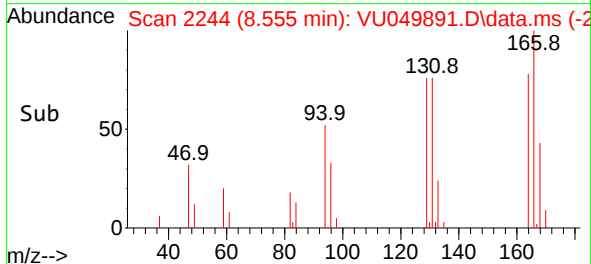
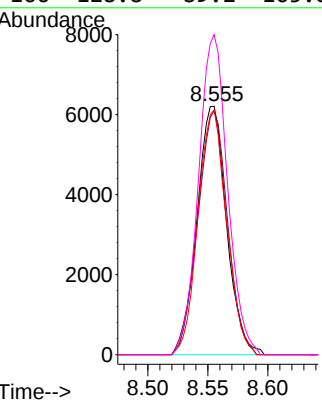
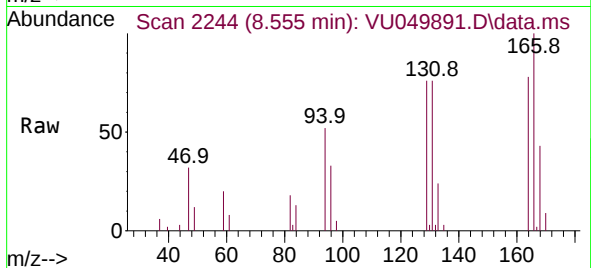
Ion Ratio Lower Upper

164 100

129 98.1 68.9 127.9

131 98.5 67.5 125.4

166 128.8 89.2 165.8



#48

2-Hexanone

Concen: 4.342 ug/L

RT: 8.687 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VU049891.D

Acq: 26 Jul 2022 01:51

Tgt Ion: 43 Resp: 18257

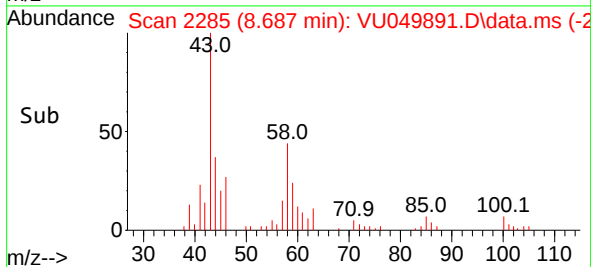
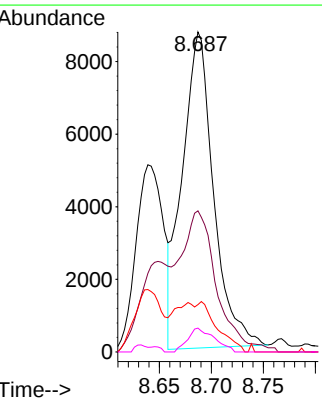
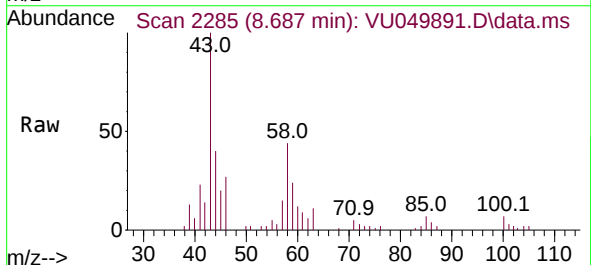
Ion Ratio Lower Upper

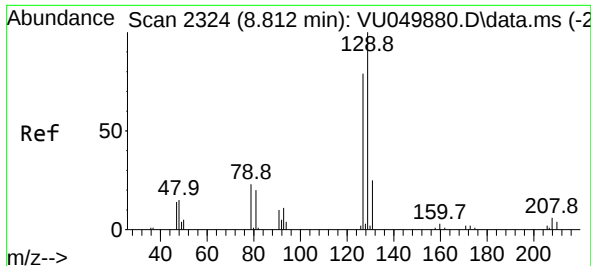
43 100

58 48.9 42.1 63.1

57 3.0 14.3 21.5#

100 6.4 7.9 11.9#

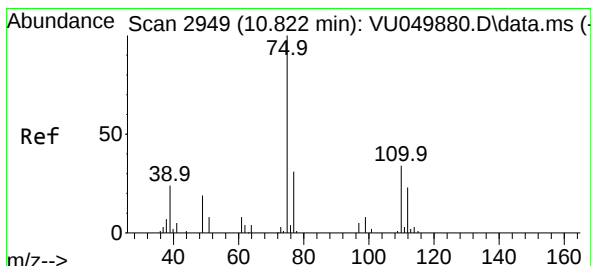
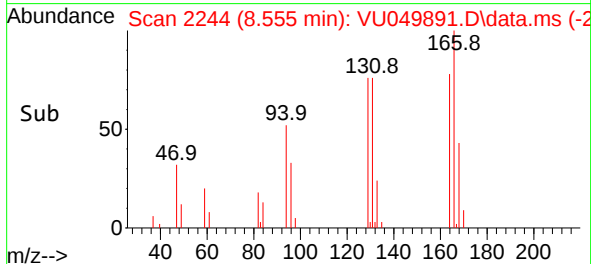
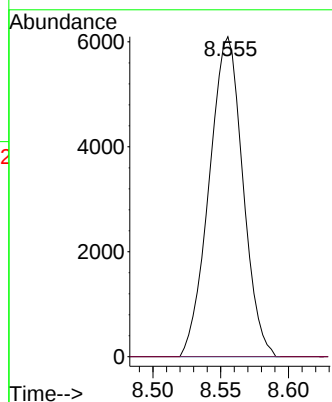
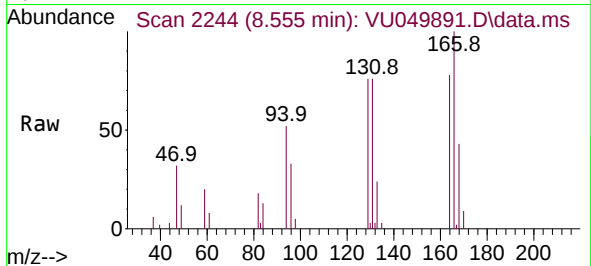




#49
Dibromochloromethane
Concen: 1.636 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU049891.D
Acq: 26 Jul 2022 01:51

Instrument :
MSVOA_U
ClientSampleId :
GBJ07

Tgt Ion:129 Resp: 10542
Ion Ratio Lower Upper
129 100
127 0.0 50.5 93.7#



#61
1,2,3-Trichloropropane
Concen: 1.077 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.990 min
Lab File: VU049891.D
Acq: 26 Jul 2022 01:51

Tgt Ion: 75 Resp: 4583
Ion Ratio Lower Upper
75 100
110 0.0 28.0 42.0#
77 30.0 25.4 38.2

