

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072522\
 Data File : VU049890.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)

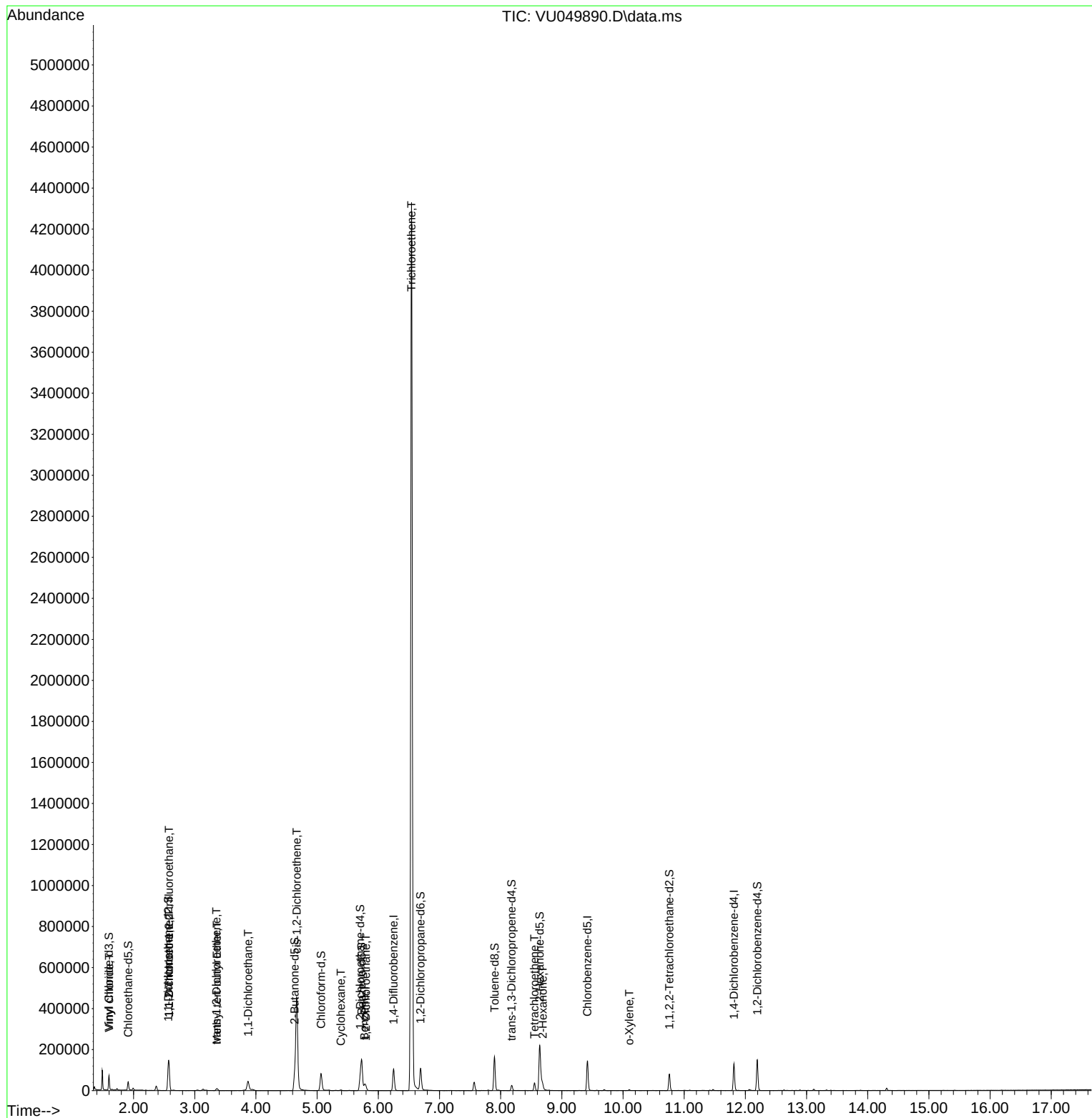
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	81830	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	77052	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	32531	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	31756	4.794	ug/L	0.00
Spiked Amount	5.000	Range	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	
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
30) Cyclohexane	5.388	56	1760	0.201	ug/L	# 89
33) Benzene	5.774	78	22251	0.796	ug/L	100
34) Trichloroethene	6.542	95	1460691	215.469	ug/L	98
47) Tetrachloroethene	8.552	164	7976	1.709	ug/L	93
48) 2-Hexanone	8.687	43	16809	4.052	ug/L	96
54) o-Xylene	10.102	106	1288	0.123	ug/L	72

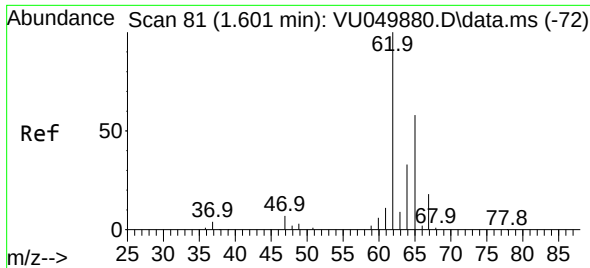
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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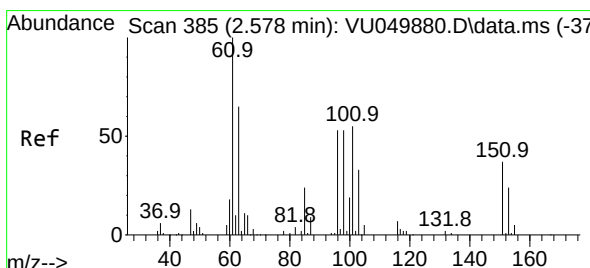
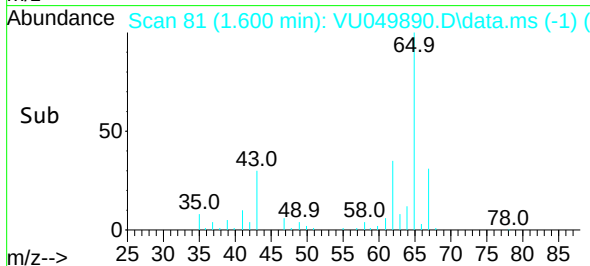
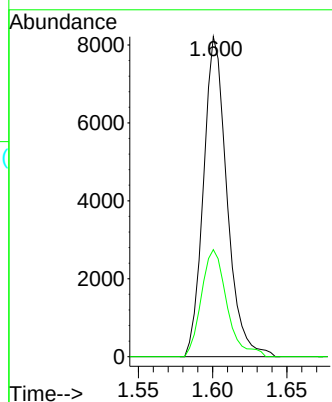
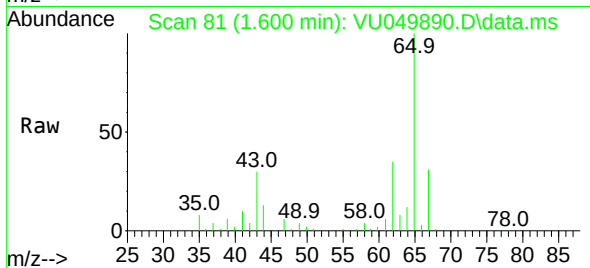




#5
 Vinyl chloride
 Concen: 1.016 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049890.D
 Acq: 26 Jul 2022 01:26

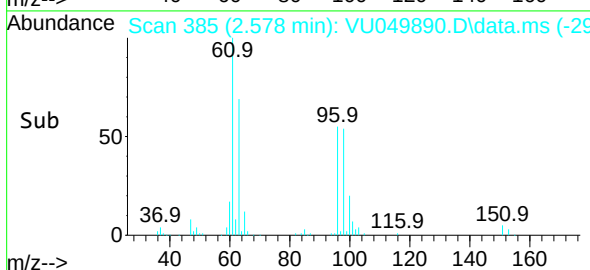
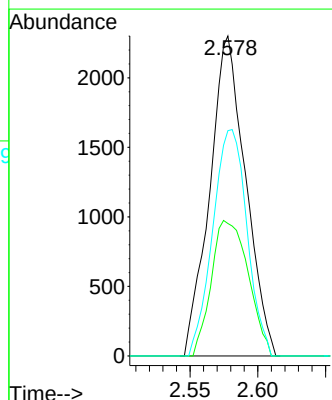
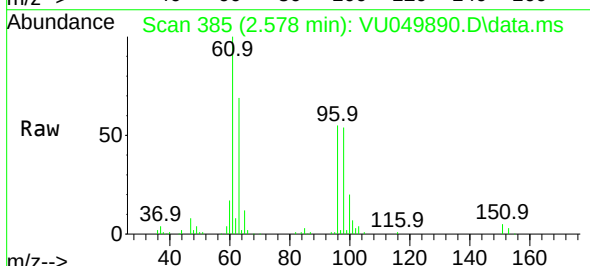
Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ06

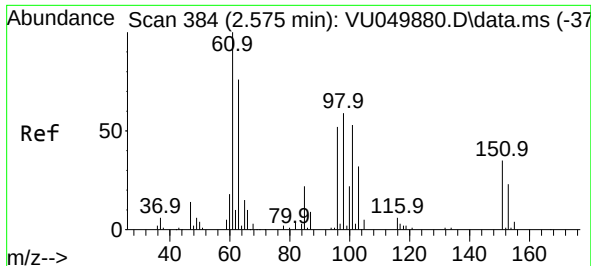
Tgt Ion: 62 Resp: 9028
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.7 42.3



#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

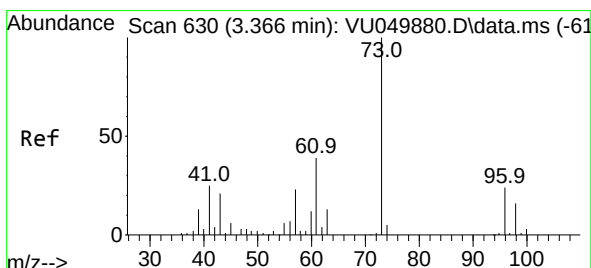
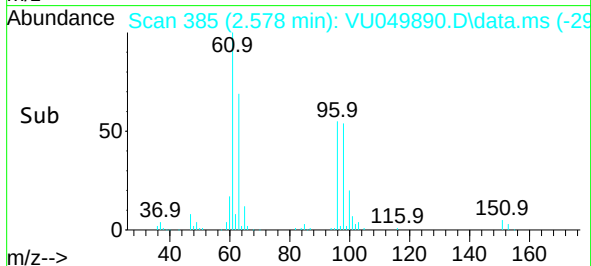
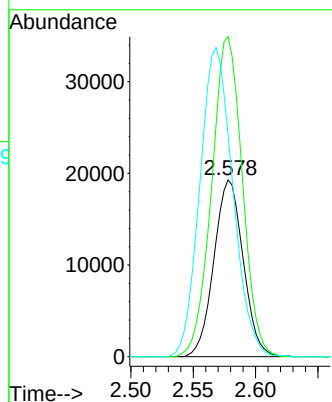
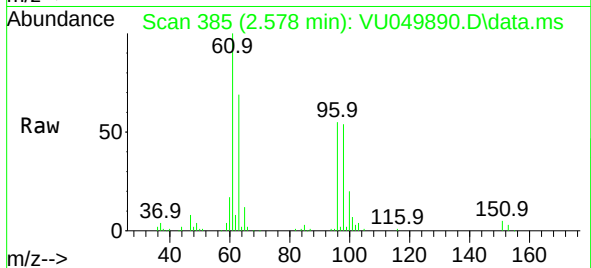




#12
1,1-Dichloroethene
Concen: 5.813 ug/L
RT: 2.578 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

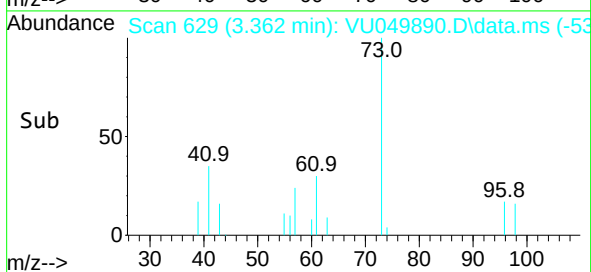
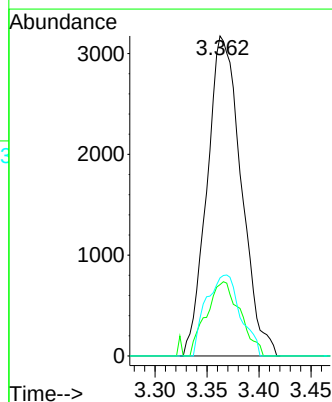
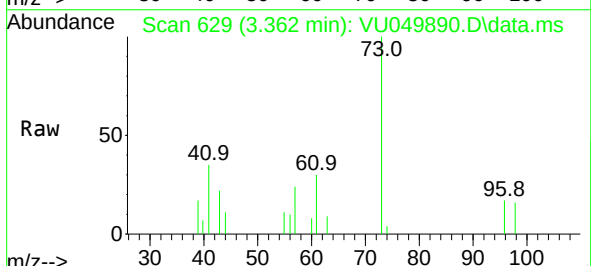
Instrument :
MSVOA_U
ClientSampleId :
GBJ06

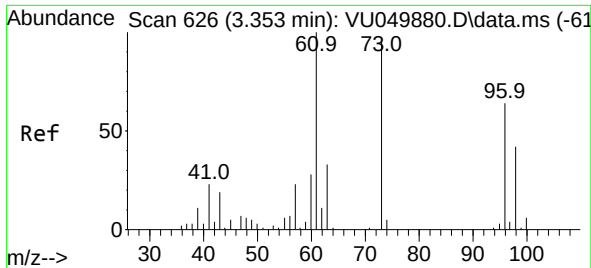
Tgt Ion: 96 Resp: 31432
Ion Ratio Lower Upper
96 100
61 181.1 131.6 244.4
63 125.5 100.0 185.6



#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

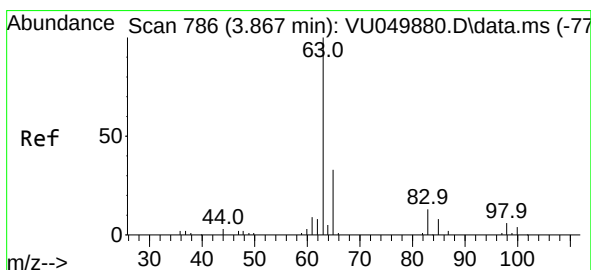
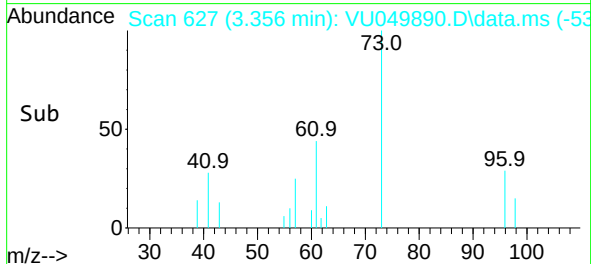
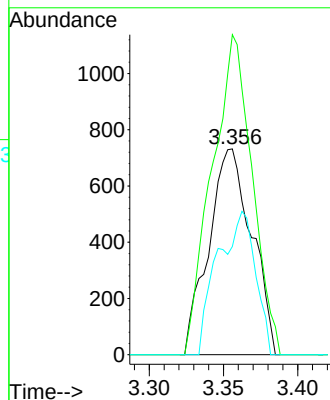
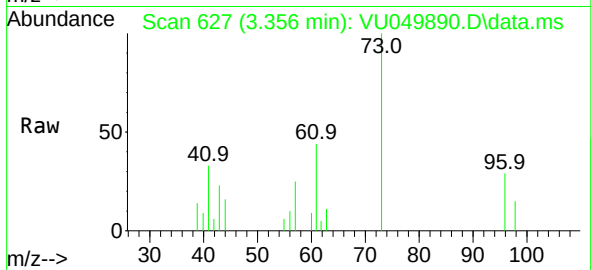




#18
trans-1,2-Dichloroethene
Concen: 0.236 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

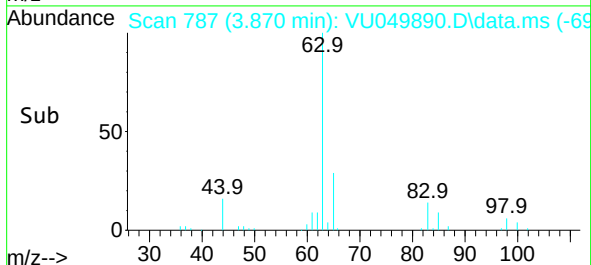
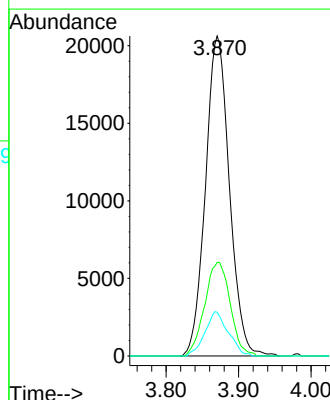
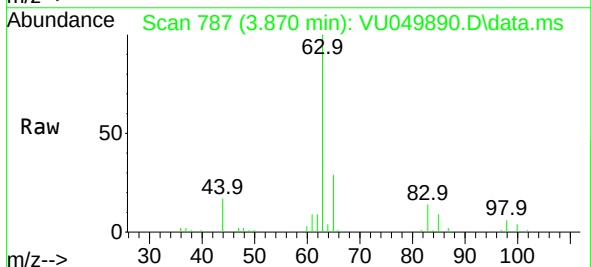
Instrument :
MSVOA_U
ClientSampleId :
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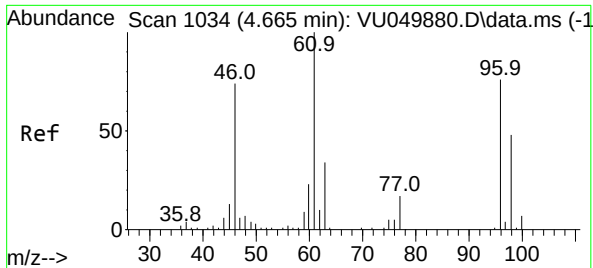
Tgt Ion: 96 Resp: 1475
Ion Ratio Lower Upper
96 100
61 155.5 101.5 188.5
98 52.6 42.5 78.9



#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

Instrument :

MSVOA_U

ClientSampleId :

GBJ06

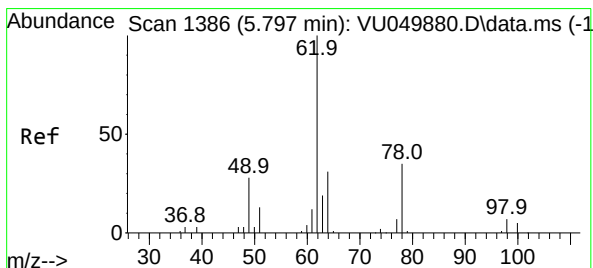
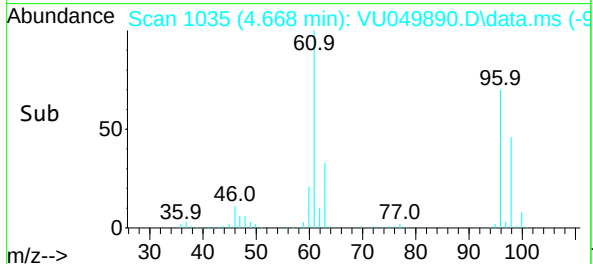
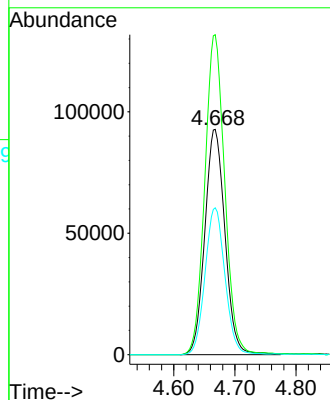
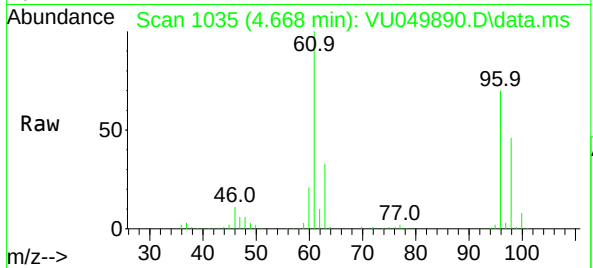
Tgt Ion: 96 Resp: 212275

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

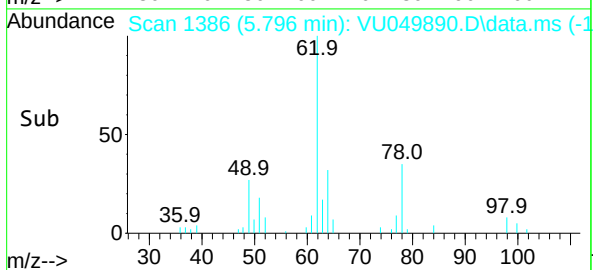
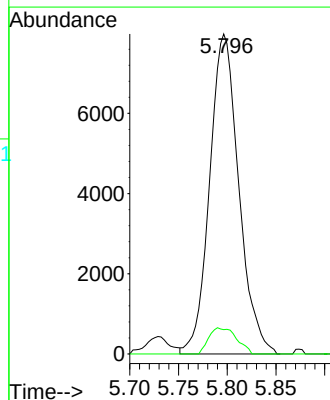
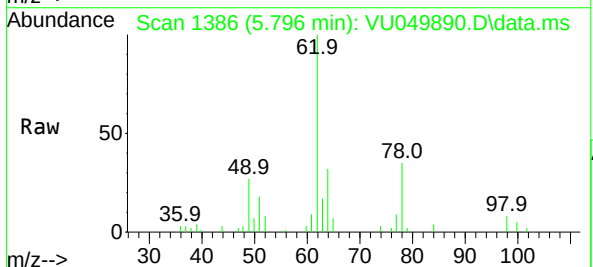
Acq: 26 Jul 2022 01:26

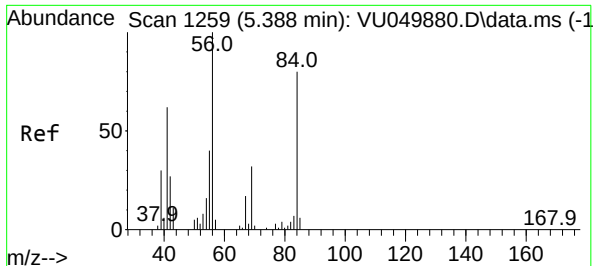
Tgt Ion: 62 Resp: 16604

Ion Ratio Lower Upper

62 100

98 7.6 5.9 8.9





#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

Instrument :

MSVOA_U

ClientSampleId :

GBJ06

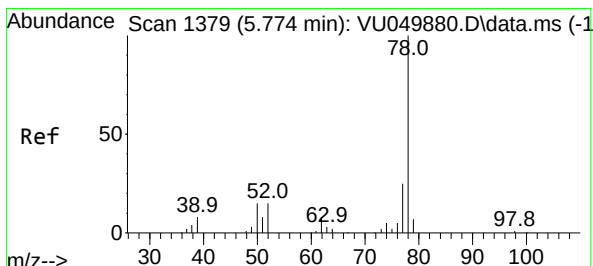
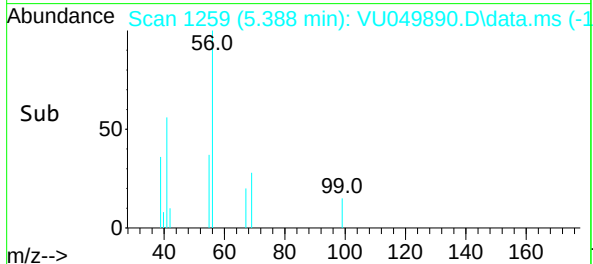
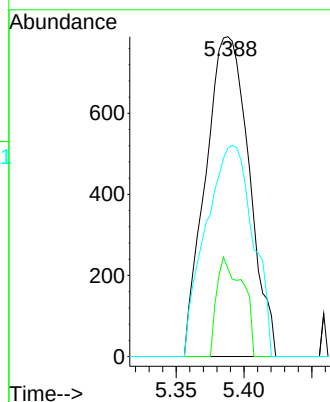
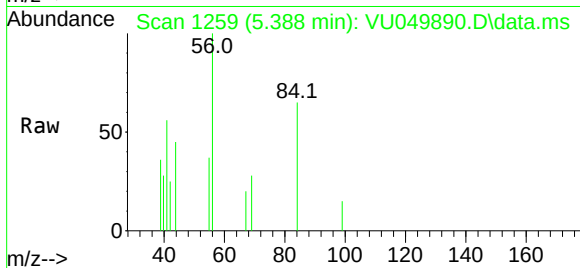
Tgt Ion: 56 Resp: 1760

Ion Ratio Lower Upper

56 100

69 18.4 22.8 34.2#

84 71.5 63.0 94.6



#33

Benzene

Concen: 0.796 ug/L

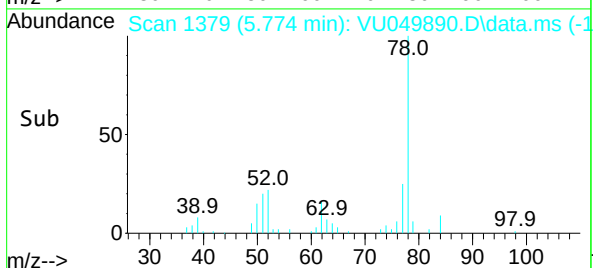
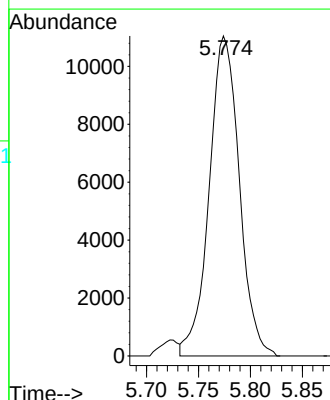
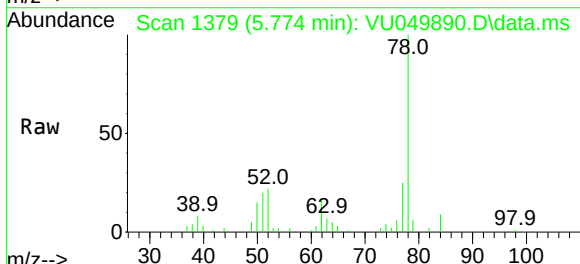
RT: 5.774 min Scan# 1379

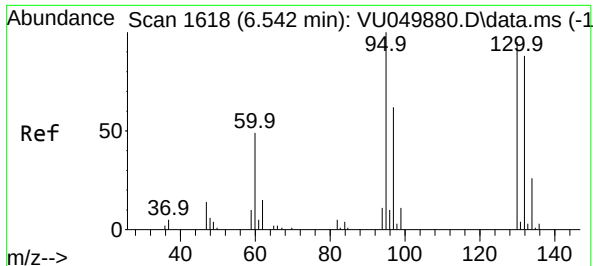
Delta R.T. -0.000 min

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

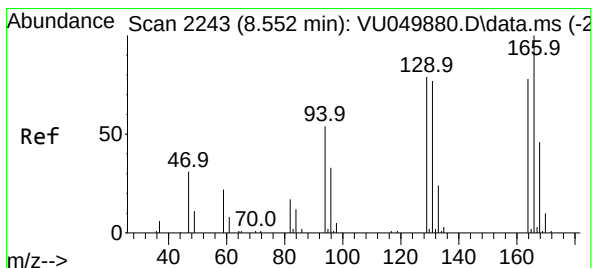
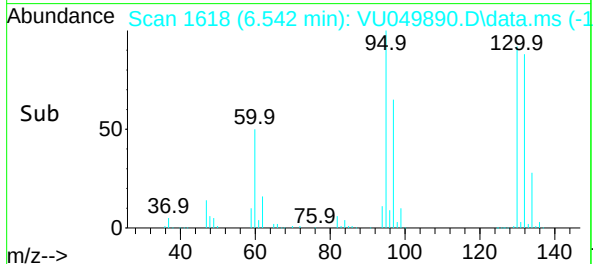
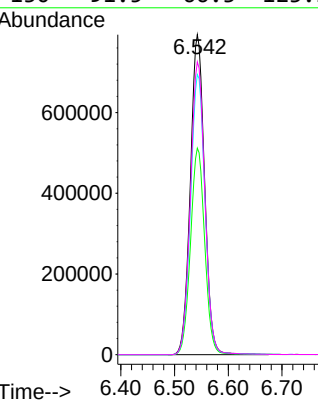
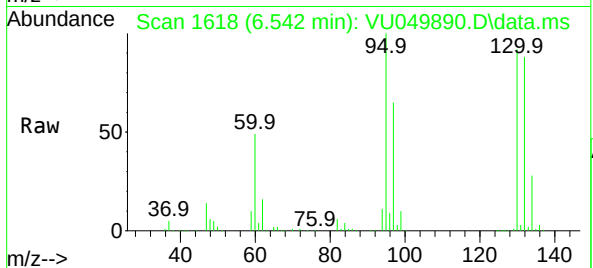
Ion Ratio Lower Upper

95 100

97 64.6 46.8 86.8

132 87.5 61.8 114.8

130 91.5 66.3 123.1



#47

Tetrachloroethene

Concen: 1.709 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU049890.D

Acq: 26 Jul 2022 01:26

Tgt Ion:164 Resp: 7976

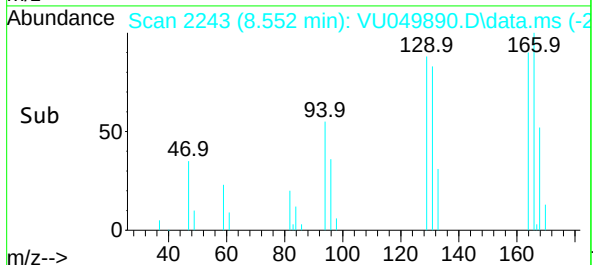
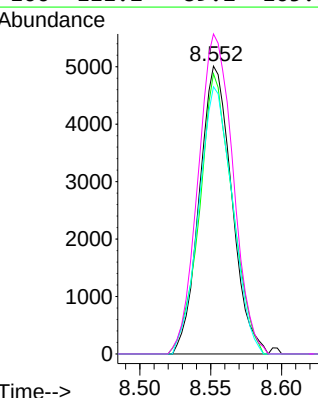
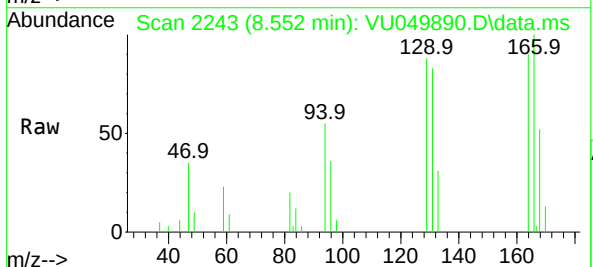
Ion Ratio Lower Upper

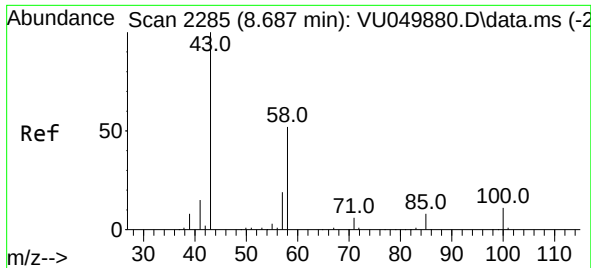
164 100

129 97.3 68.9 127.9

131 92.8 67.5 125.4

166 111.2 89.2 165.8

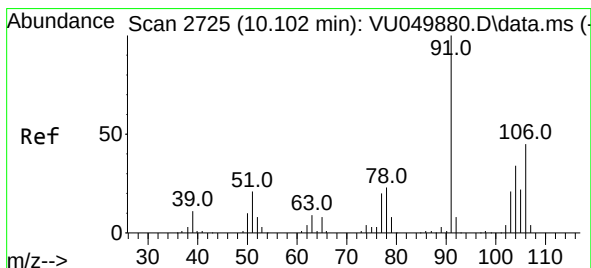
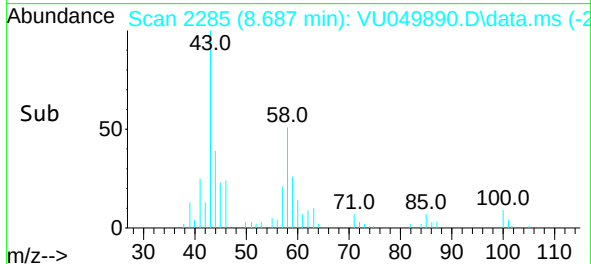
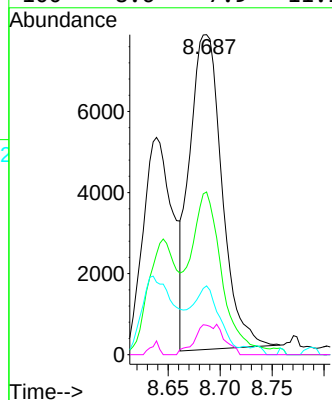
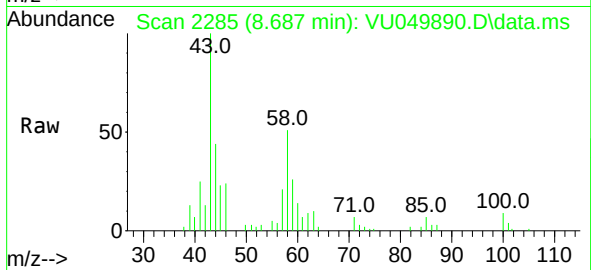




#48
2-Hexanone
Concen: 4.052 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

Instrument :
MSVOA_U
ClientSampleId :
GBJ06

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



#54
o-Xylene
Concen: 0.123 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU049890.D
Acq: 26 Jul 2022 01:26

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

