

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072522\
 Data File : VU049894.D
 Acq On : 26 Jul 2022 03:04
 Operator : SY/MD
 Sample : N3870-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ10

Quant Time: Jul 26 06:50:16 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	85916	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	80786	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	33963	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	31197	4.485	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.800%
7) Chloroethane-d5	1.913	69	28355	4.871	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.565	65	14077	4.534	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.636	46	138888	55.495	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.000%
24) Chloroform-d	5.064	84	75181	4.853	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.704	65	45323	4.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.729	84	135898	4.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.691	67	49212	5.174	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.900	98	108729	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.179	79	14233	4.122	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.636	63	68851	50.322	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.640%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	40399	5.058	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	38184	5.447	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	852	0.094	ug/L	96
5) Vinyl chloride	1.601	62	6452	0.692	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	31582	5.629	ug/L	96
12) 1,1-Dichloroethene	2.578	96	24528	4.321	ug/L	93
17) Methyl tert-butyl Ether	3.372	73	2019	0.110	ug/L #	91
18) trans-1,2-Dichloroethene	3.353	96	1390	0.212	ug/L	86
19) 1,1-Dichloroethane	3.868	63	13280	0.936	ug/L	97
22) cis-1,2-Dichloroethene	4.668	96	208982	27.496	ug/L	96
27) 1,2-Dichloroethane	5.800	62	1211	0.117	ug/L #	79
33) Benzene	5.777	78	3183	0.109	ug/L	100
34) Trichloroethene	6.543	95	2627192	369.629	ug/L	96
35) Methylcyclohexane	6.691	83	11622	1.326	ug/L #	15
37) 1,2-Dichloropropane	6.691	63	5624	0.673	ug/L #	89
39) cis-1,3-Dichloropropene	7.568	75	1203	0.109	ug/L	85
47) Tetrachloroethene	8.552	164	13577	2.775	ug/L	96
48) 2-Hexanone	8.684	43	18397	4.230	ug/L #	86
49) Dibromochloromethane	8.552	129	13748	2.063	ug/L #	14
61) 1,2,3-Trichloropropane	11.813	75	4693	1.037	ug/L #	68

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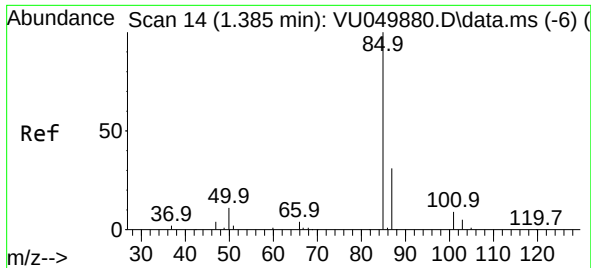
Quant Time: Jul 26 06:50:16 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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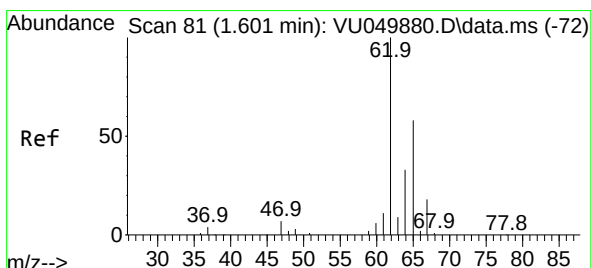
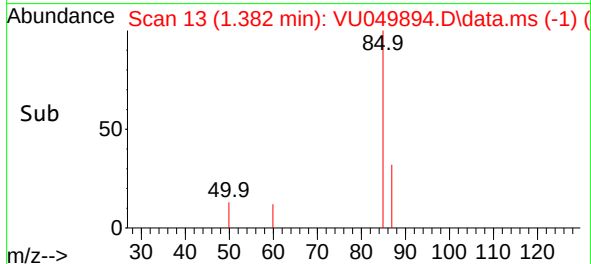
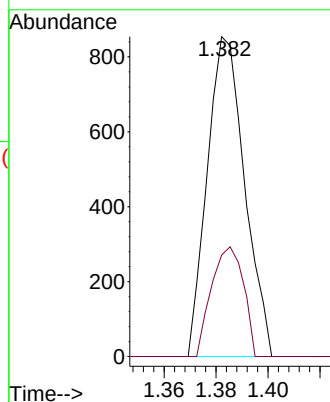
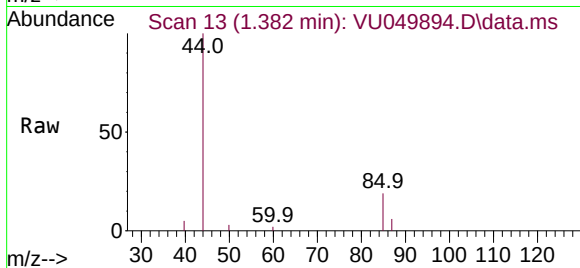




#2
Dichlorodifluoromethane
Concen: 0.094 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049894.D
Acq: 26 Jul 2022 03:04

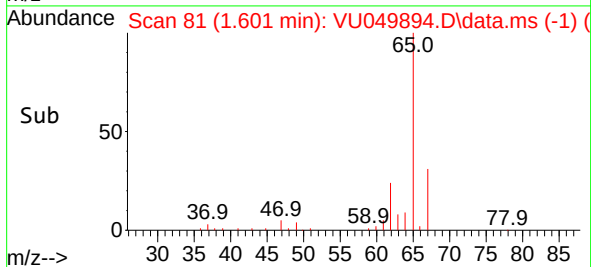
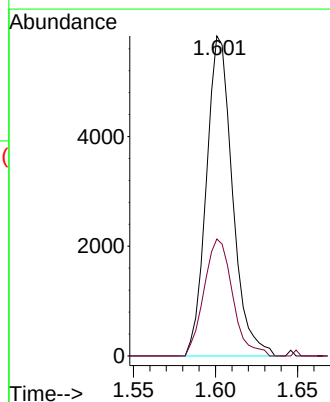
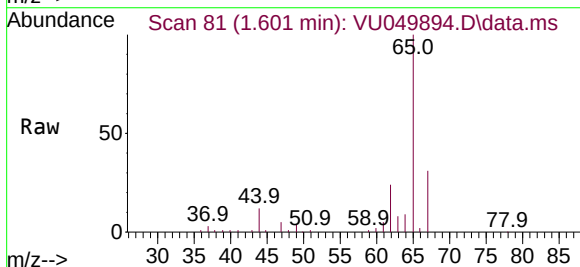
Instrument :
MSVOA_U
ClientSampleId :
GBJ10

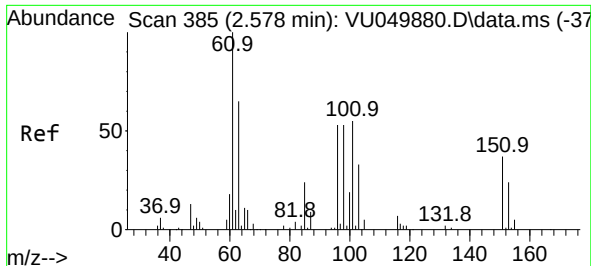
Tgt Ion: 85 Resp: 852
Ion Ratio Lower Upper
85 100
87 29.3 25.4 38.2



#5
Vinyl chloride
Concen: 0.692 ug/L
RT: 1.601 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU049894.D
Acq: 26 Jul 2022 03:04

Tgt Ion: 62 Resp: 6452
Ion Ratio Lower Upper
62 100
64 36.5 22.7 42.3

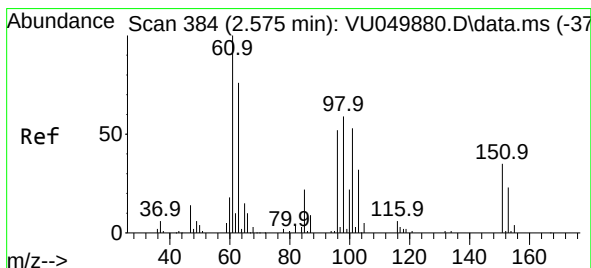
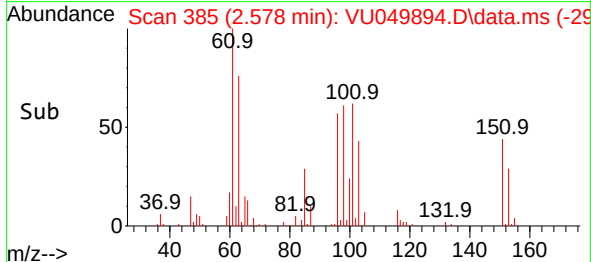
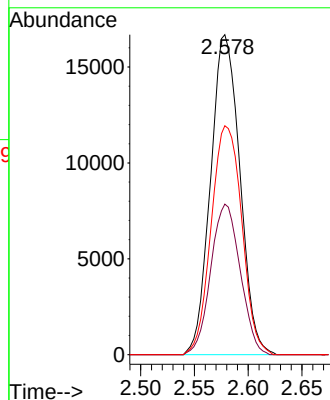
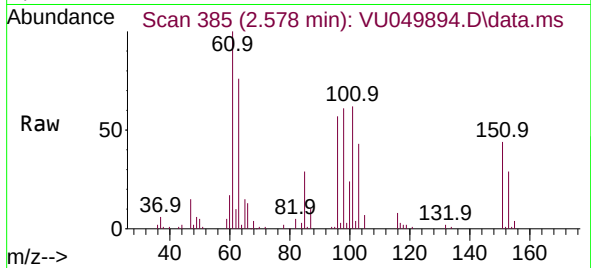




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.629 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049894.D
 Acq: 26 Jul 2022 03:04

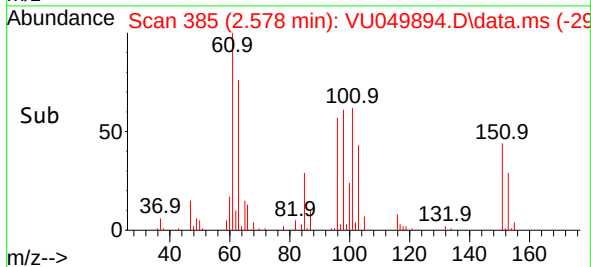
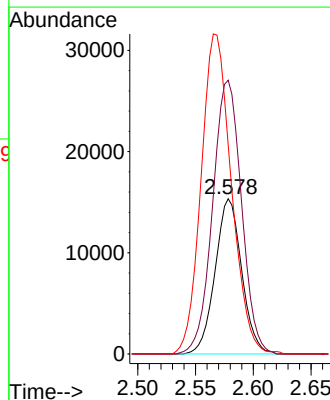
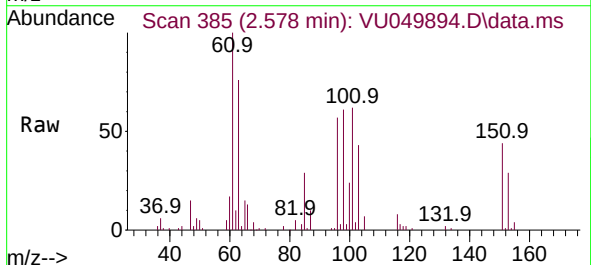
Instrument :
 MSVOA_U
 ClientSampleId :
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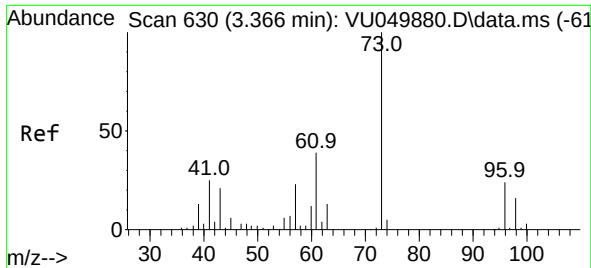
Tgt Ion:101 Resp: 31582
 Ion Ratio Lower Upper
 101 100
 85 47.3 37.2 55.8
 151 74.8 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.321 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU049894.D
 Acq: 26 Jul 2022 03:04

Tgt Ion: 96 Resp: 24528
 Ion Ratio Lower Upper
 96 100
 61 176.3 131.6 244.4
 63 134.5 100.0 185.6





#17

Methyl tert-butyl Ether

Concen: 0.110 ug/L

RT: 3.372 min Scan# 61

Delta R.T. 0.007 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

Instrument :

MSVOA_U

ClientSampleId :

GBJ10

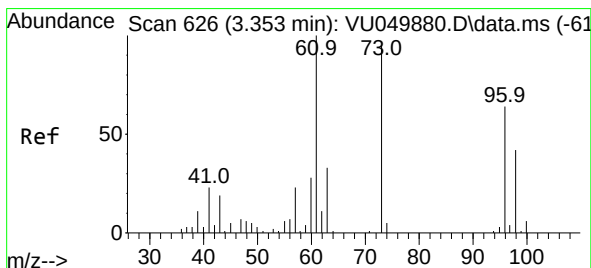
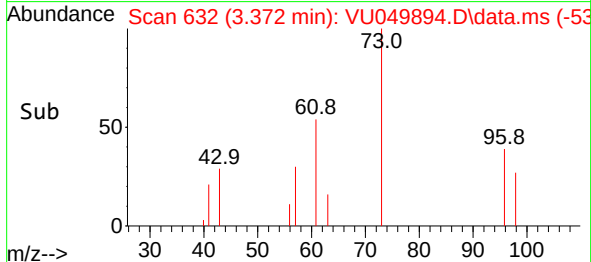
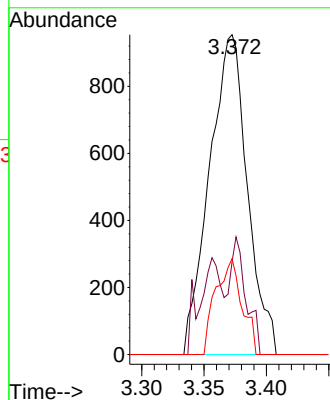
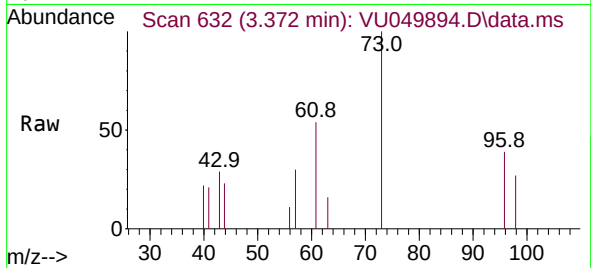
Tgt Ion: 73 Resp: 2019

Ion Ratio Lower Upper

73 100

43 16.0 17.4 26.2#

57 20.8 18.7 28.1



#18

trans-1,2-Dichloroethene

Concen: 0.212 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

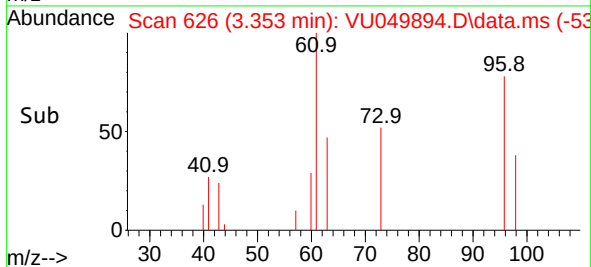
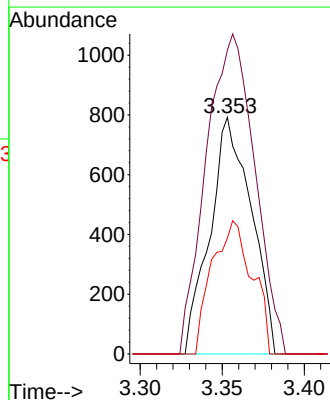
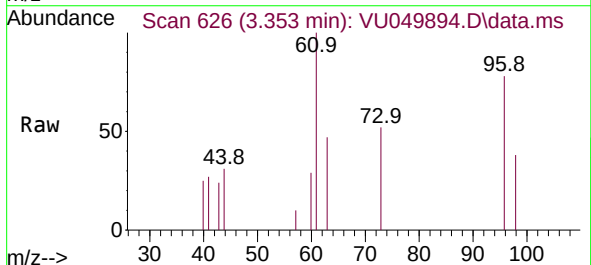
Tgt Ion: 96 Resp: 1390

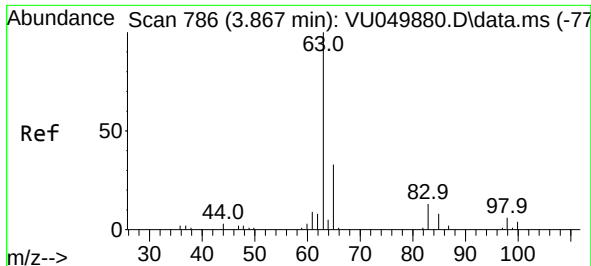
Ion Ratio Lower Upper

96 100

61 128.4 101.5 188.5

98 49.0 42.5 78.9





#19

1,1-Dichloroethane

Concen: 0.936 ug/L

RT: 3.868 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

Instrument :

MSVOA_U

ClientSampleId :

GBJ10

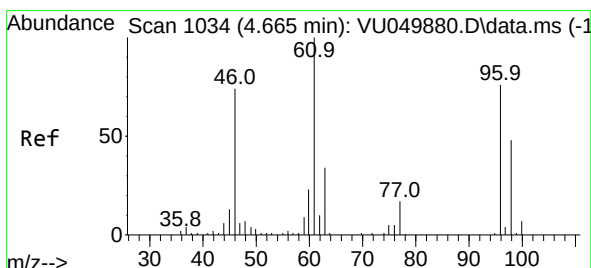
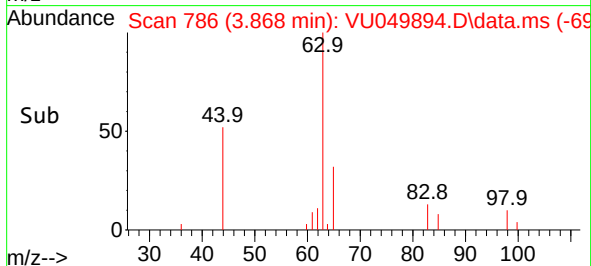
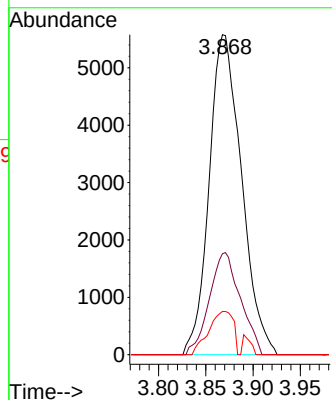
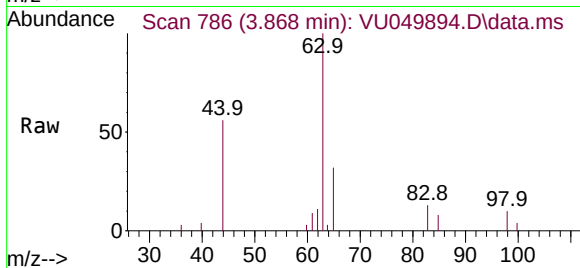
Tgt Ion: 63 Resp: 13280

Ion Ratio Lower Upper

63 100

65 30.7 22.5 41.9

83 13.1 8.3 15.5



#22

cis-1,2-Dichloroethene

Concen: 27.496 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

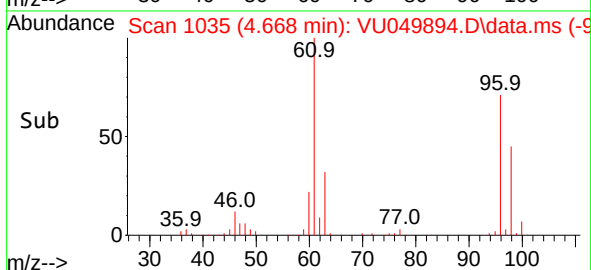
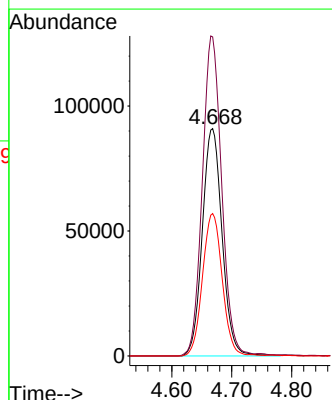
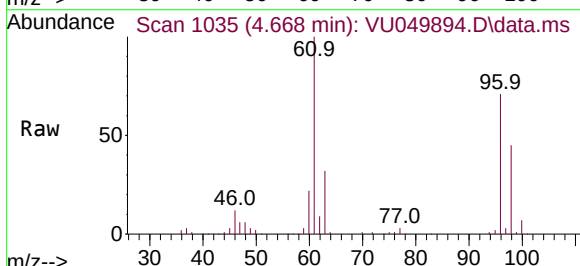
Tgt Ion: 96 Resp: 208982

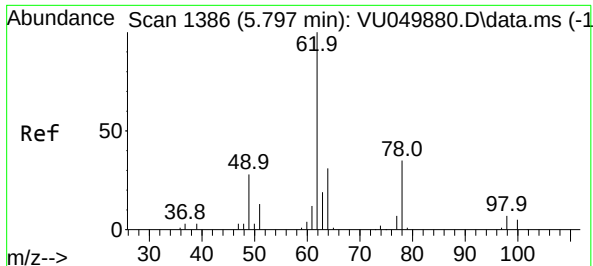
Ion Ratio Lower Upper

96 100

61 140.3 93.9 174.3

98 62.6 43.9 81.5





#27

1,2-Dichloroethane

Concen: 0.117 ug/L

RT: 5.800 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

Instrument :

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ClientSampleId :

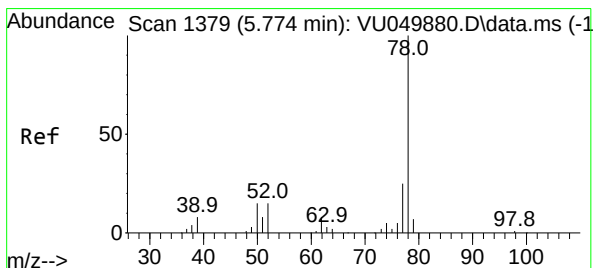
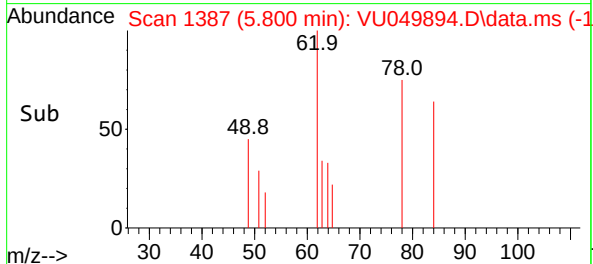
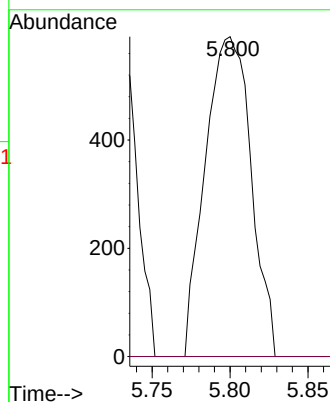
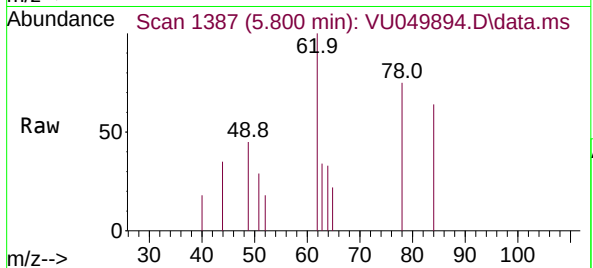
GBJ10

Tgt Ion: 62 Resp: 1211

Ion Ratio Lower Upper

62 100

98 0.0 5.9 8.9#



#33

Benzene

Concen: 0.109 ug/L

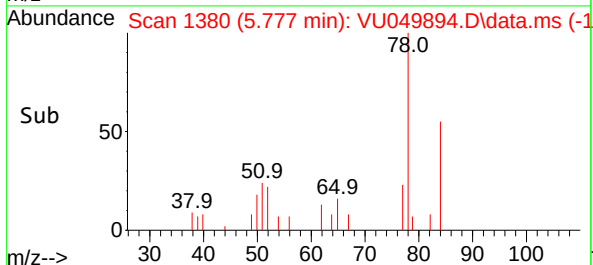
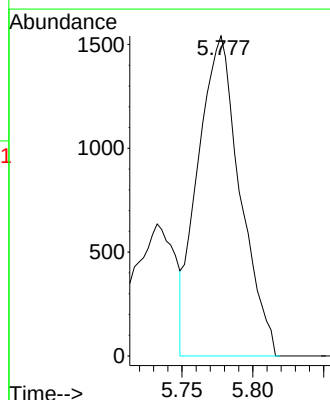
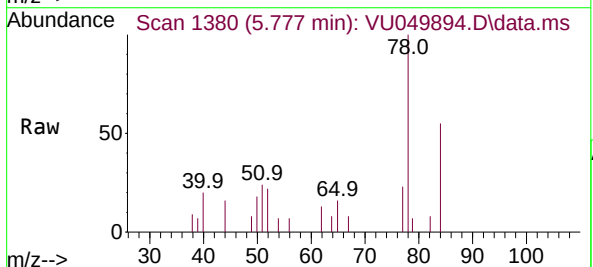
RT: 5.777 min Scan# 1380

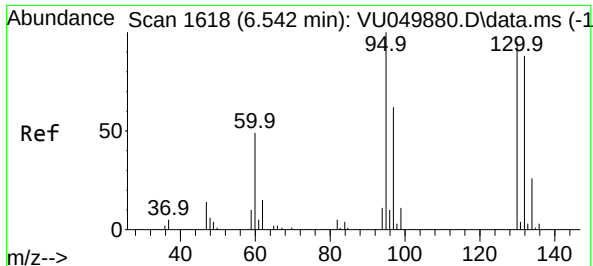
Delta R.T. 0.003 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

Tgt Ion: 78 Resp: 3183





#34

Trichloroethene

Concen: 369.629 ug/L

RT: 6.543 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

Instrument :

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Tgt Ion: 95 Resp: 2627192

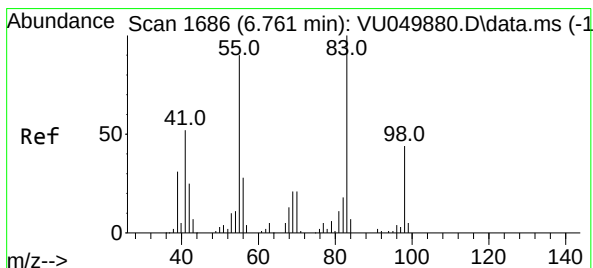
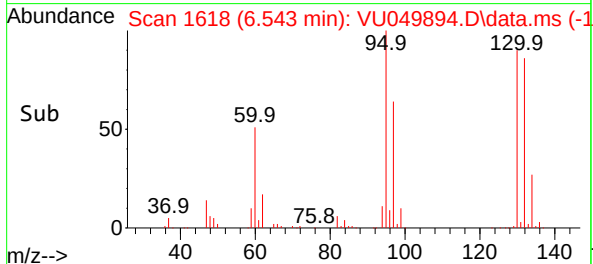
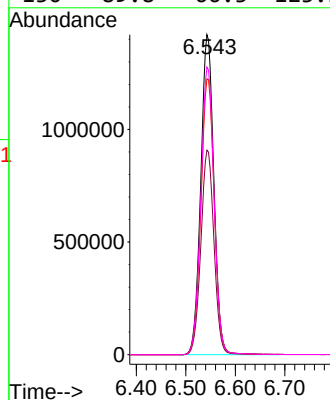
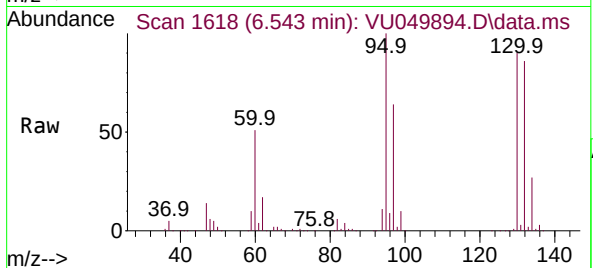
Ion Ratio Lower Upper

95 100

97 63.9 46.8 86.8

132 86.2 61.8 114.8

130 89.8 66.3 123.1



#35

Methylcyclohexane

Concen: 1.326 ug/L

RT: 6.691 min Scan# 1664

Delta R.T. -0.070 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

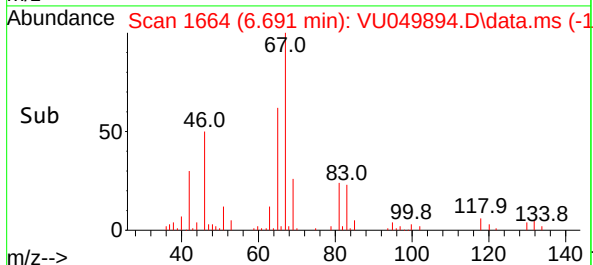
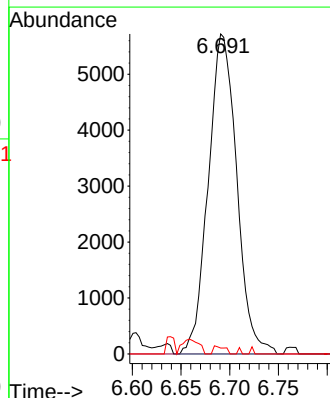
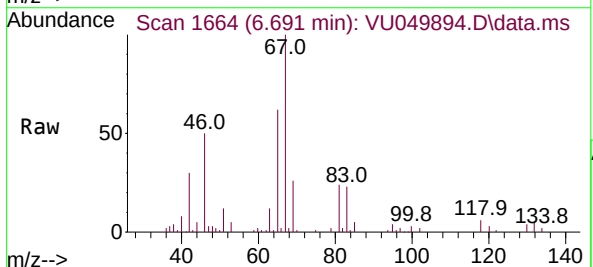
Tgt Ion: 83 Resp: 11622

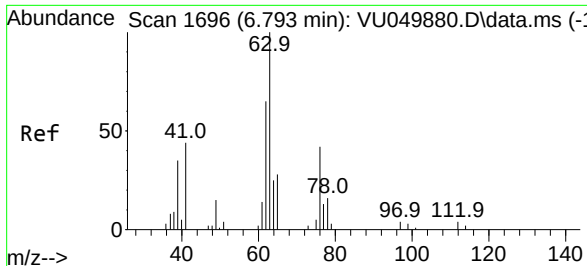
Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.4#

98 0.0 36.4 54.6#





#37

1,2-Dichloropropane

Concen: 0.673 ug/L

RT: 6.691 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

Instrument :

MSVOA_U

ClientSampleId :

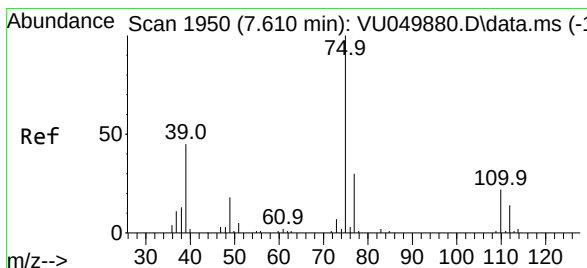
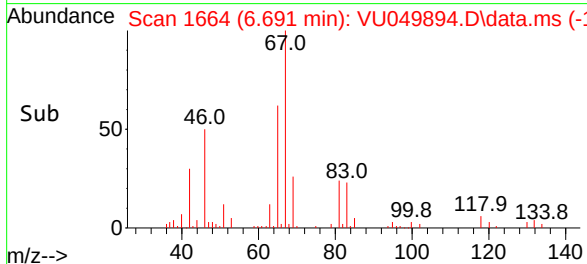
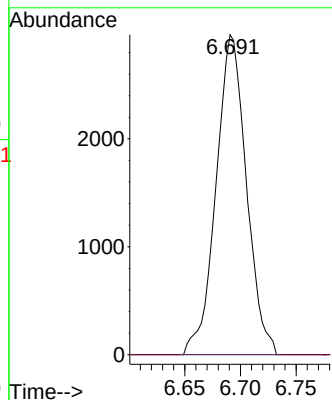
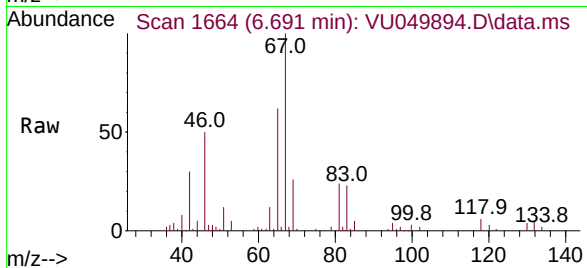
GBJ10

Tgt Ion: 63 Resp: 5624

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU049894.D

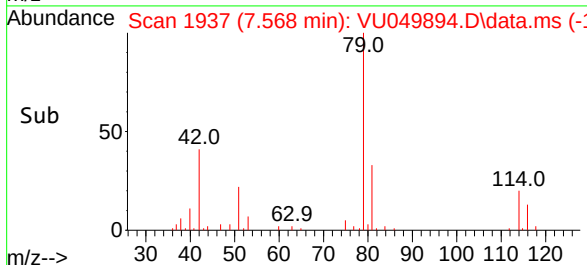
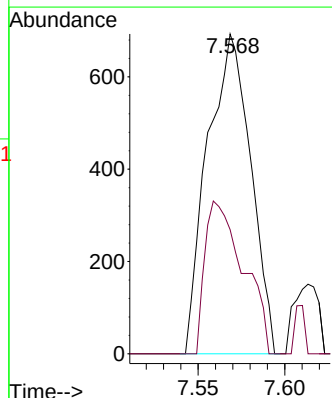
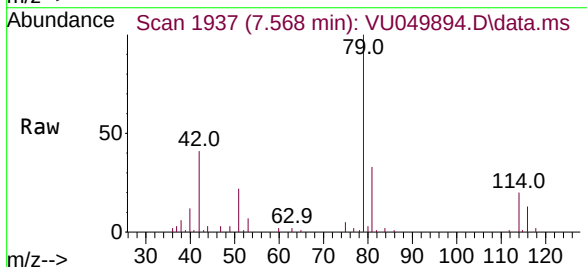
Acq: 26 Jul 2022 03:04

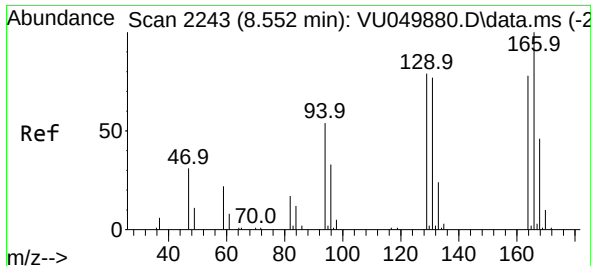
Tgt Ion: 75 Resp: 1203

Ion Ratio Lower Upper

75 100

77 38.8 21.6 40.0



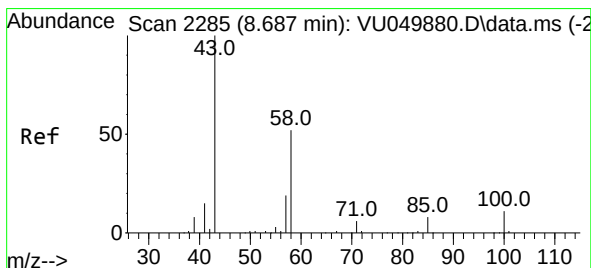
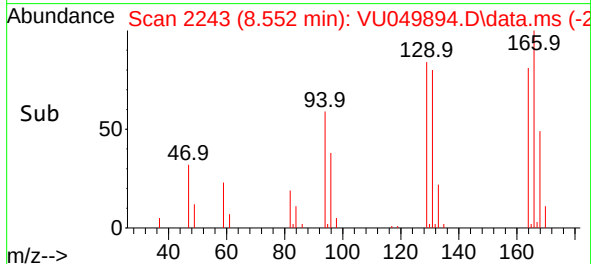
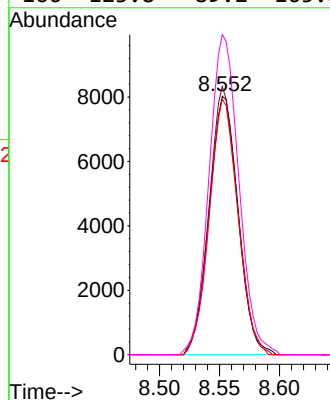
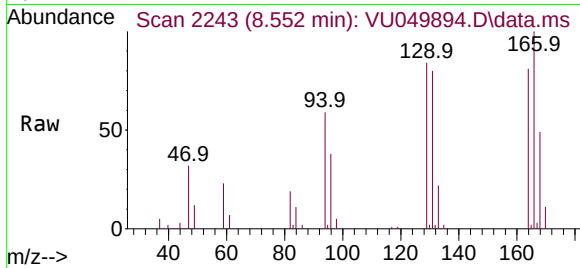


#47
Tetrachloroethene
Concen: 2.775 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049894.D
Acq: 26 Jul 2022 03:04

Instrument :
MSVOA_U
ClientSampleId :
GBJ10

Tgt Ion:164 Resp: 13577

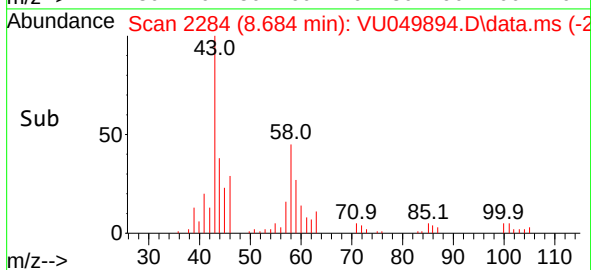
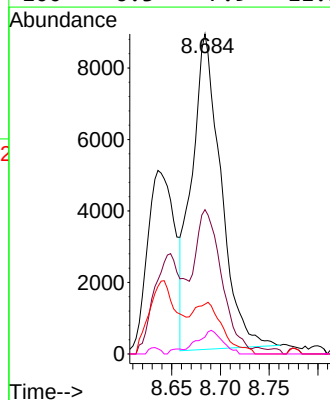
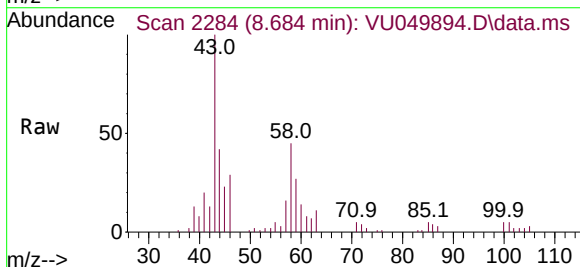
Ion	Ratio	Lower	Upper
164	100		
129	103.7	68.9	127.9
131	98.8	67.5	125.4
166	123.8	89.2	165.8

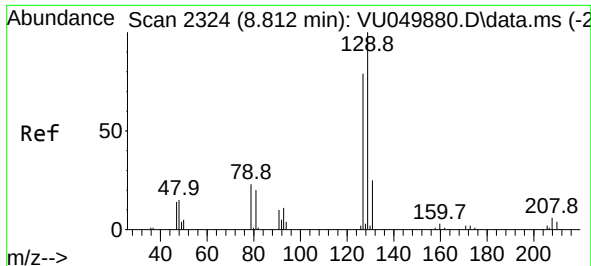


#48
2-Hexanone
Concen: 4.230 ug/L
RT: 8.684 min Scan# 2284
Delta R.T. -0.003 min
Lab File: VU049894.D
Acq: 26 Jul 2022 03:04

Tgt Ion: 43 Resp: 18397

Ion	Ratio	Lower	Upper
43	100		
58	39.1	42.1	63.1#
57	17.0	14.3	21.5
100	6.3	7.9	11.9#





#49

Dibromochloromethane

Concen: 2.063 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

Instrument :

MSVOA_U

ClientSampleId :

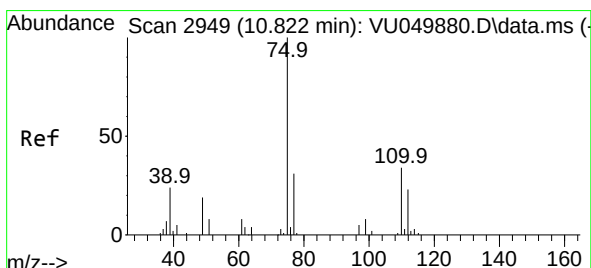
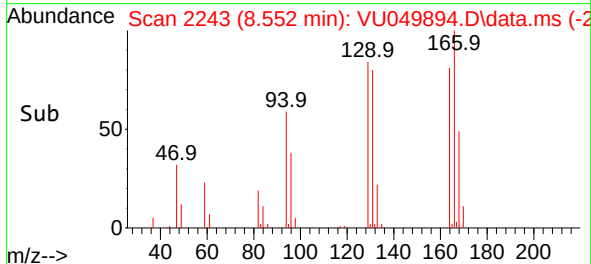
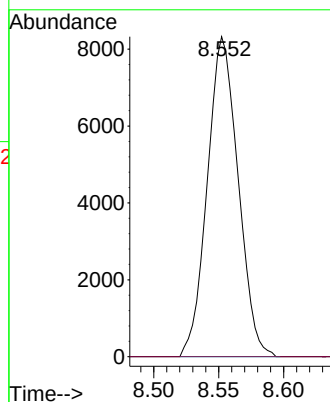
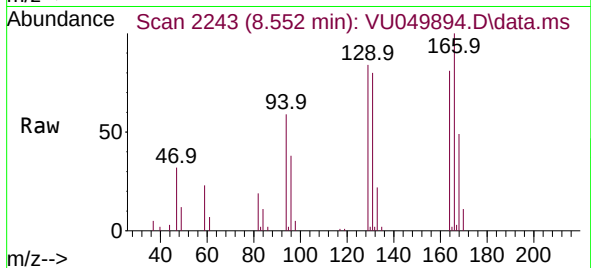
GBJ10

Tgt Ion:129 Resp: 13748

Ion Ratio Lower Upper

129 100

127 0.0 50.5 93.7#



#61

1,2,3-Trichloropropane

Concen: 1.037 ug/L

RT: 11.813 min Scan# 3257

Delta R.T. 0.991 min

Lab File: VU049894.D

Acq: 26 Jul 2022 03:04

Tgt Ion: 75 Resp: 4693

Ion Ratio Lower Upper

75 100

110 0.0 28.0 42.0#

77 32.0 25.4 38.2

