

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072522\
 Data File : VU049899.D
 Acq On : 26 Jul 2022 05:07
 Operator : SY/MD
 Sample : N3870-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ15

Quant Time: Jul 26 06:51:35 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)

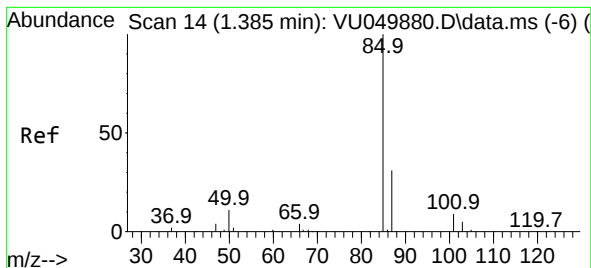
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	84812	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	82327	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	34056	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	29100	4.238	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.800%
7) Chloroethane-d5	1.913	69	28233	4.913	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.565	65	13078	4.267	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	4.636	46	132290	53.547	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.100%
24) Chloroform-d	5.064	84	72959	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.703	65	42628	4.754	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.726	84	131801	4.698	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.691	67	49090	5.065	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.896	98	105127	4.287	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.179	79	13416	3.813	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.636	63	66760	47.880	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.760%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	40848	5.019	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	37052	5.271	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	3040	0.340	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	21249	3.837	ug/L	97
12) 1,1-Dichloroethene	2.581	96	6085	1.086	ug/L #	41
18) trans-1,2-Dichloroethene	3.356	96	1068	0.165	ug/L #	76
19) 1,1-Dichloroethane	3.874	63	9521	0.680	ug/L	97
22) cis-1,2-Dichloroethene	4.668	96	209158	27.877	ug/L	97
29) 1,1,1-Trichloroethane	5.321	97	1023	0.089	ug/L #	76
34) Trichloroethene	6.543	95	336359	46.438	ug/L	98
35) Methylcyclohexane	6.691	83	10645	1.192	ug/L #	15
37) 1,2-Dichloropropane	6.697	63	5401	0.634	ug/L #	89
47) Tetrachloroethene	8.552	164	116587	23.382	ug/L	99
48) 2-Hexanone	8.684	43	19060	4.300	ug/L #	88
49) Dibromochloromethane	8.552	129	114563	16.868	ug/L #	14
61) 1,2,3-Trichloropropane	11.813	75	4560	1.005	ug/L #	68
63) 1,2,4-Trimethylbenzene	11.468	105	2133	0.115	ug/L	91
67) 1,2-Dichlorobenzene	12.208	146	1011	0.092	ug/L #	67

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

Instrument :
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#2

Dichlorodifluoromethane

Concen: 0.340 ug/L

RT: 1.385 min Scan# 14

Delta R.T. 0.000 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

Instrument :

MSVOA_U

ClientSampleId :

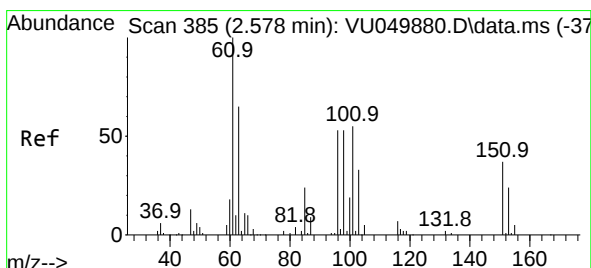
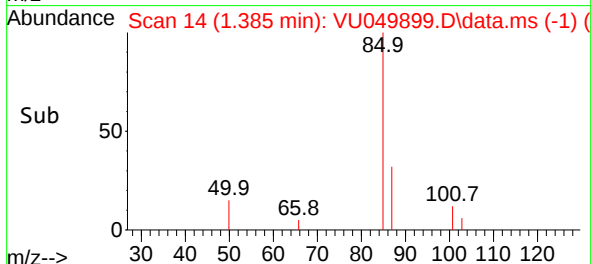
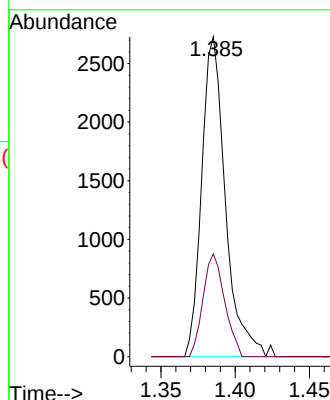
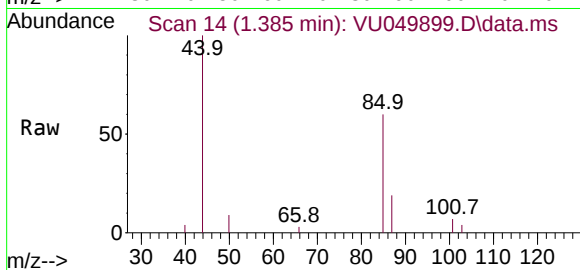
GBJ15

Tgt Ion: 85 Resp: 3040

Ion Ratio Lower Upper

85 100

87 29.0 25.4 38.2



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.837 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

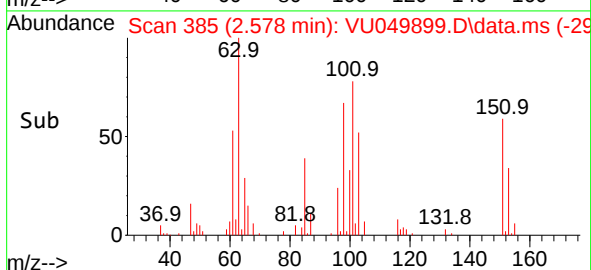
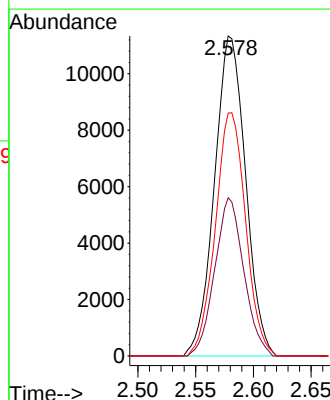
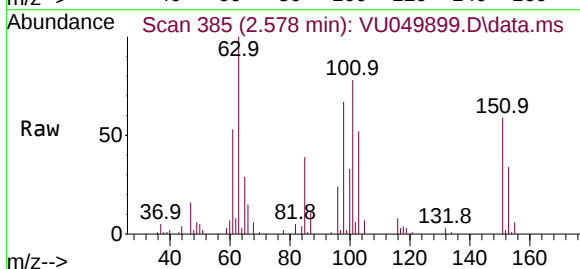
Tgt Ion:101 Resp: 21249

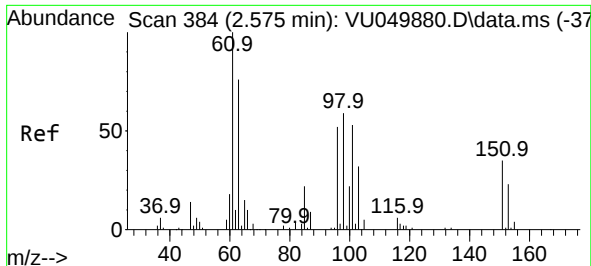
Ion Ratio Lower Upper

101 100

85 46.2 37.2 55.8

151 74.0 56.0 84.0





#12

1,1-Dichloroethene

Concen: 1.086 ug/L

RT: 2.581 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

Instrument :

MSVOA_U

ClientSampleId :

GBJ15

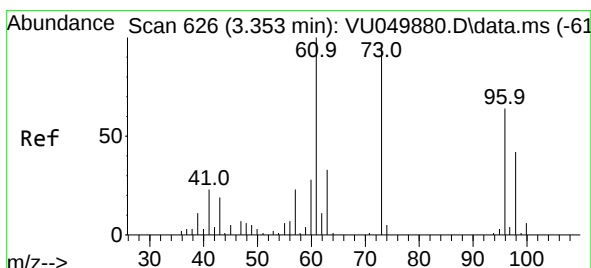
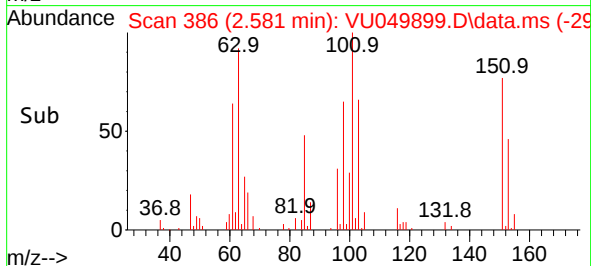
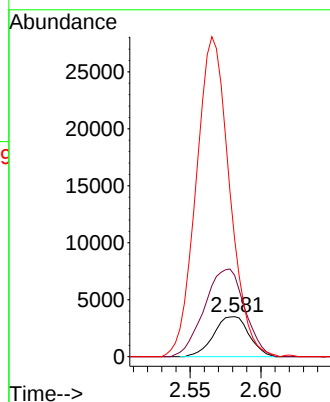
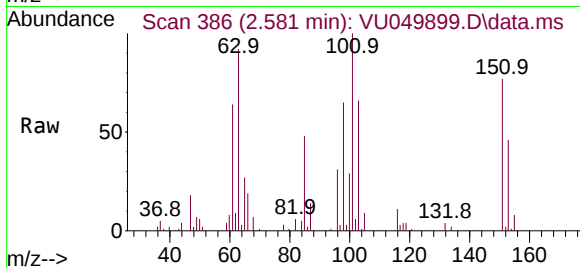
Tgt Ion: 96 Resp: 6085

Ion Ratio Lower Upper

96 100

61 203.7 131.6 244.4

63 294.8 100.0 185.6#



#18

trans-1,2-Dichloroethene

Concen: 0.165 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

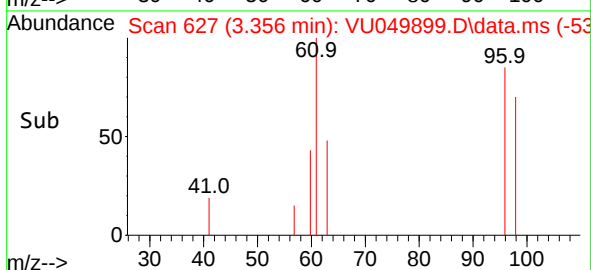
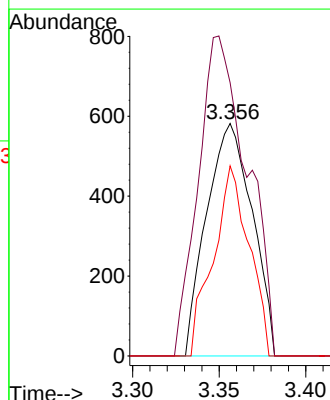
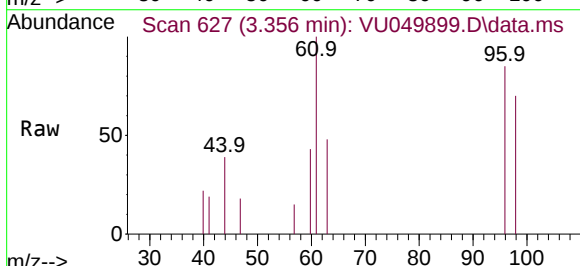
Tgt Ion: 96 Resp: 1068

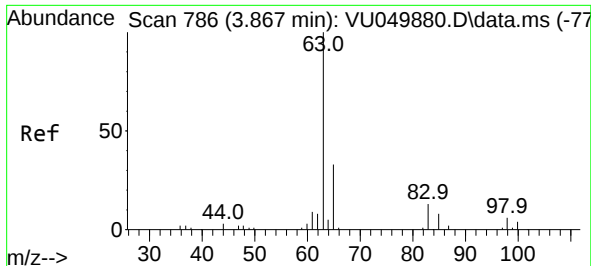
Ion Ratio Lower Upper

96 100

61 117.5 101.5 188.5

98 81.8 42.5 78.9#





#19

1,1-Dichloroethane

Concen: 0.680 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.007 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

Instrument :

MSVOA_U

ClientSampleId :

GBJ15

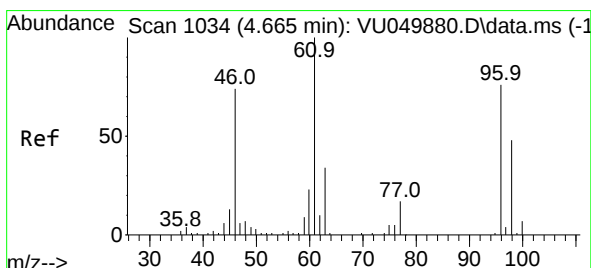
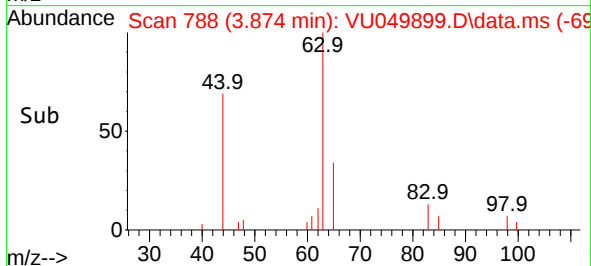
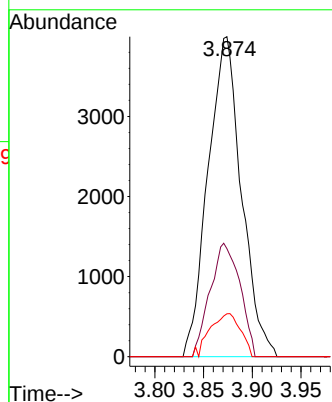
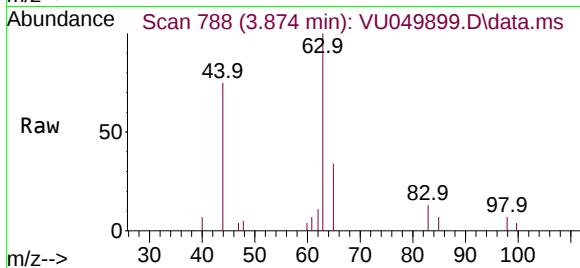
Tgt Ion: 63 Resp: 9521

Ion Ratio Lower Upper

63 100

65 33.8 22.5 41.9

83 13.4 8.3 15.5



#22

cis-1,2-Dichloroethene

Concen: 27.877 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

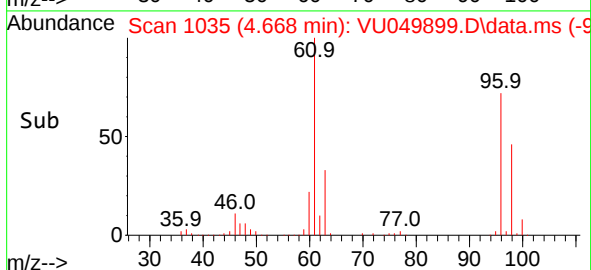
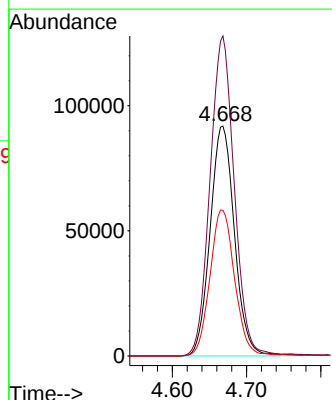
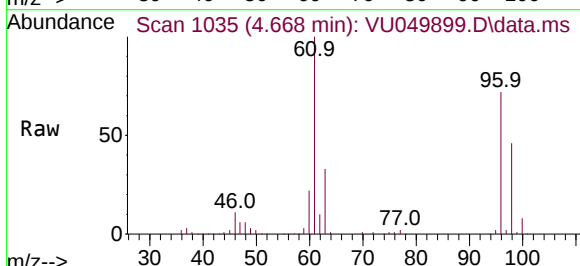
Tgt Ion: 96 Resp: 209158

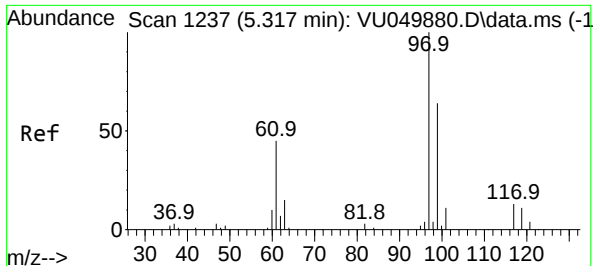
Ion Ratio Lower Upper

96 100

61 139.2 93.9 174.3

98 63.4 43.9 81.5





#29

1,1,1-Trichloroethane

Concen: 0.089 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

Instrument :

MSVOA_U

ClientSampleId :

GBJ15

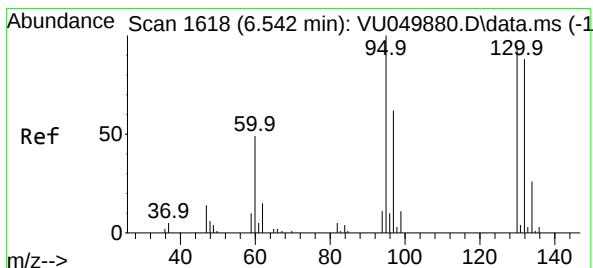
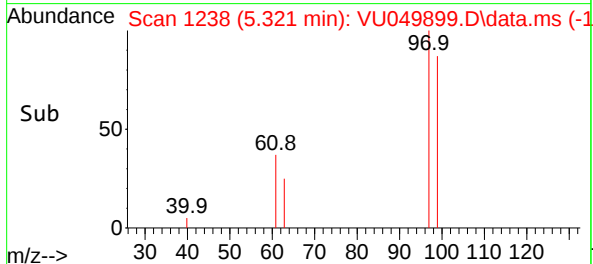
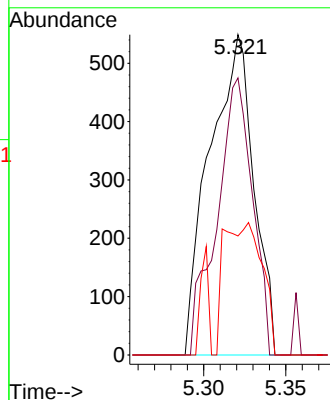
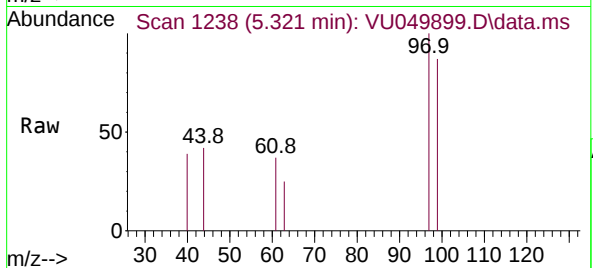
Tgt Ion: 97 Resp: 1023

Ion Ratio Lower Upper

97 100

99 70.1 51.8 77.8

61 15.8 38.3 57.5#



#34

Trichloroethene

Concen: 46.438 ug/L

RT: 6.543 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

Tgt Ion: 95 Resp: 336359

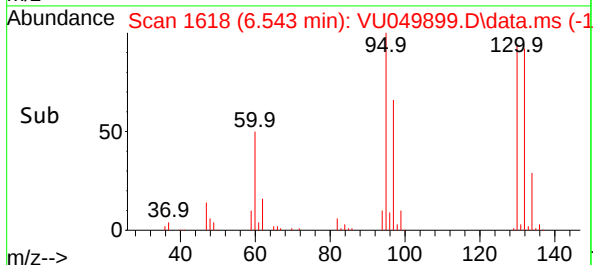
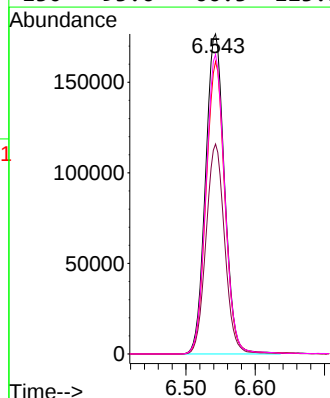
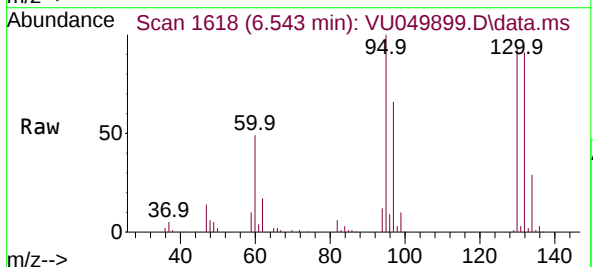
Ion Ratio Lower Upper

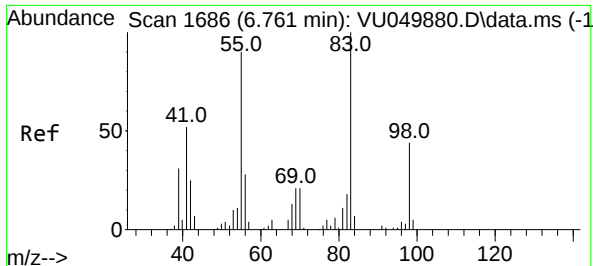
95 100

97 65.6 46.8 86.8

132 91.4 61.8 114.8

130 93.6 66.3 123.1

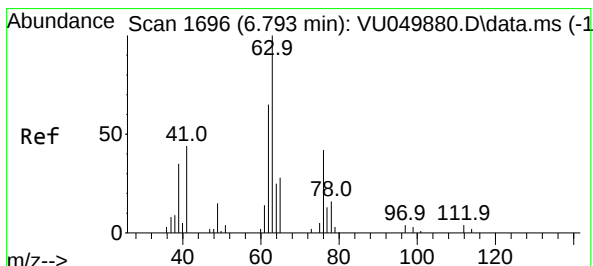
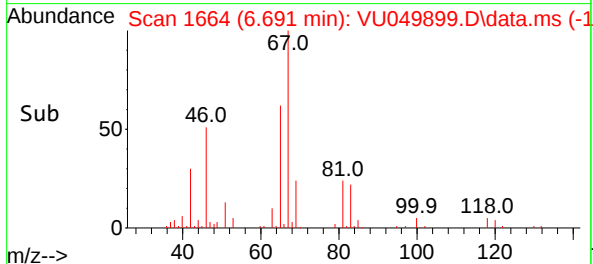
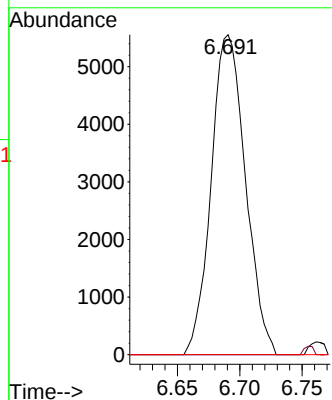
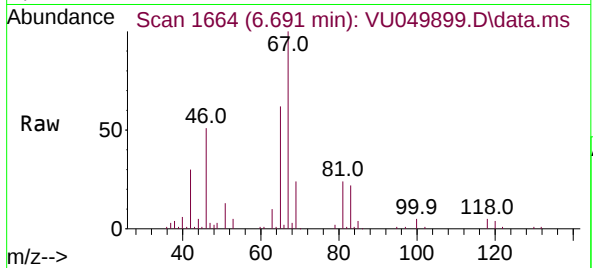




#35
Methylcyclohexane
Concen: 1.192 ug/L
RT: 6.691 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU049899.D
Acq: 26 Jul 2022 05:07

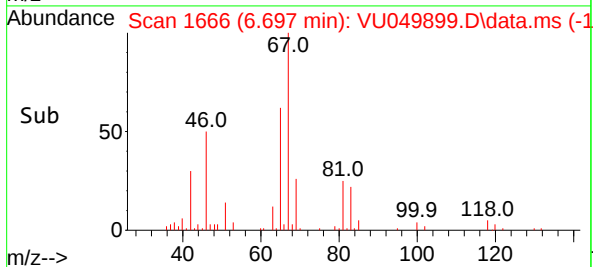
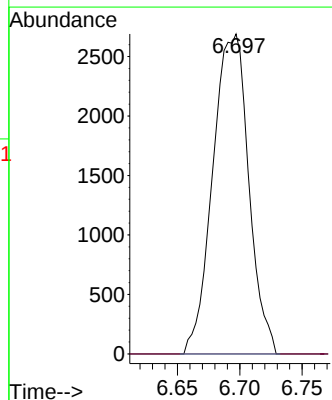
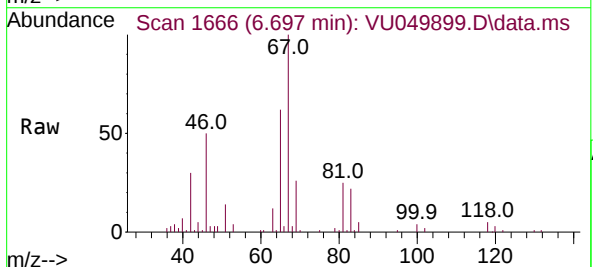
Instrument :
MSVOA_U
ClientSampleId :
GBJ15

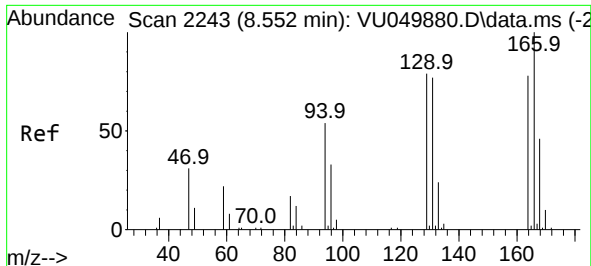
Tgt Ion: 83 Resp: 10645
Ion Ratio Lower Upper
83 100
55 0.7 69.0 103.4#
98 0.0 36.4 54.6#



#37
1,2-Dichloropropane
Concen: 0.634 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.096 min
Lab File: VU049899.D
Acq: 26 Jul 2022 05:07

Tgt Ion: 63 Resp: 5401
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#





#47

Tetrachloroethene

Concen: 23.382 ug/L

RT: 8.552 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

Instrument :

MSVOA_U

ClientSampleId :

GBJ15

Tgt Ion:164 Resp: 116587

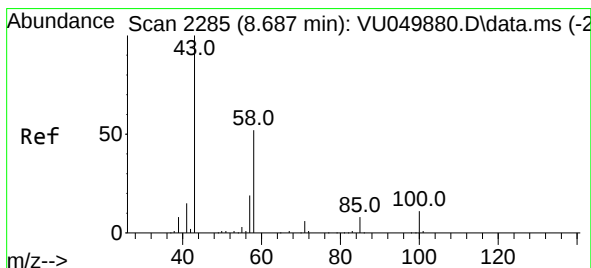
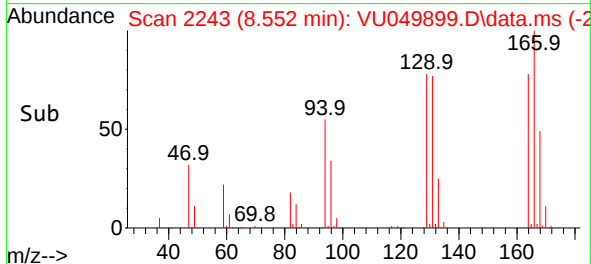
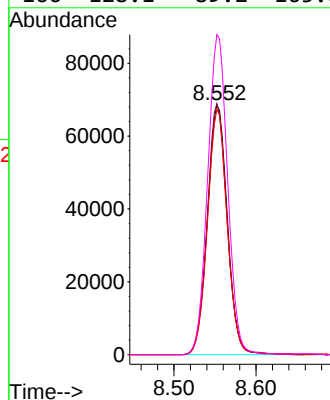
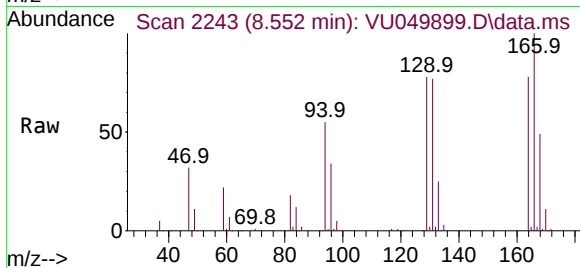
Ion Ratio Lower Upper

164 100

129 100.5 68.9 127.9

131 98.1 67.5 125.4

166 128.1 89.2 165.8



#48

2-Hexanone

Concen: 4.300 ug/L

RT: 8.684 min Scan# 2284

Delta R.T. -0.003 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

Tgt Ion: 43 Resp: 19060

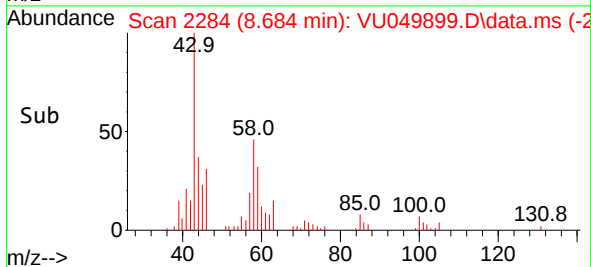
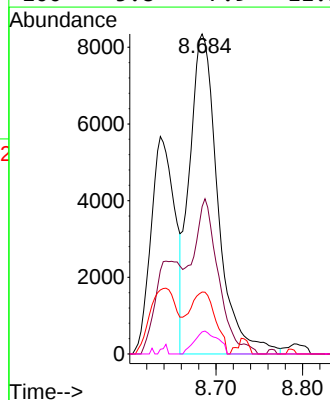
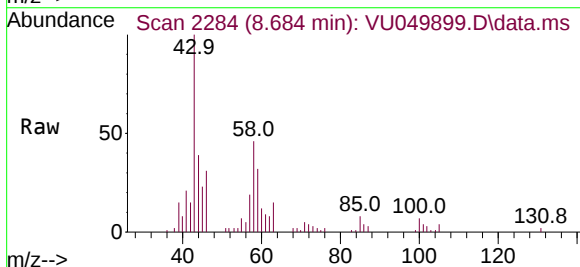
Ion Ratio Lower Upper

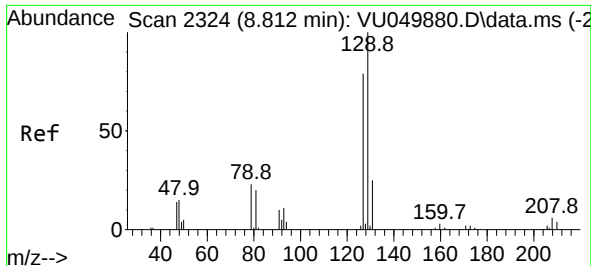
43 100

58 40.8 42.1 63.1#

57 17.6 14.3 21.5

100 5.8 7.9 11.9#





#49

Dibromochloromethane

Concen: 16.868 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

Instrument :

MSVOA_U

ClientSampleId :

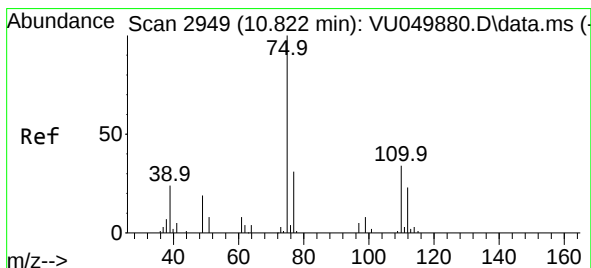
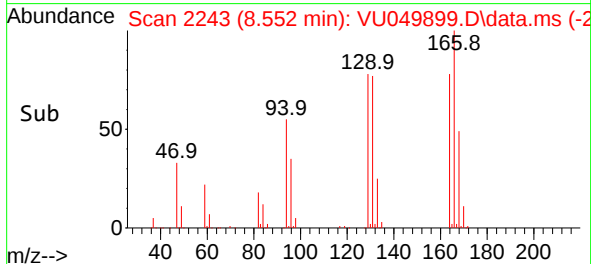
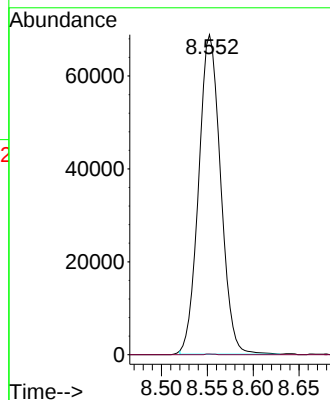
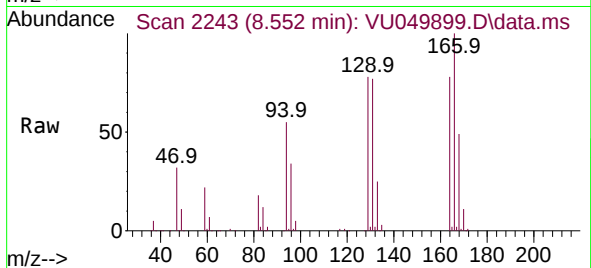
GBJ15

Tgt Ion:129 Resp: 114563

Ion Ratio Lower Upper

129 100

127 0.2 50.5 93.7#



#61

1,2,3-Trichloropropane

Concen: 1.005 ug/L

RT: 11.813 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU049899.D

Acq: 26 Jul 2022 05:07

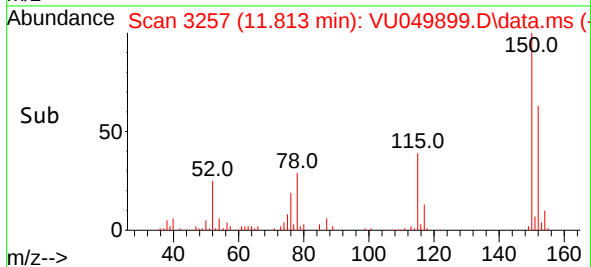
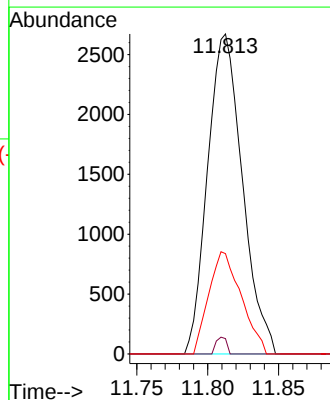
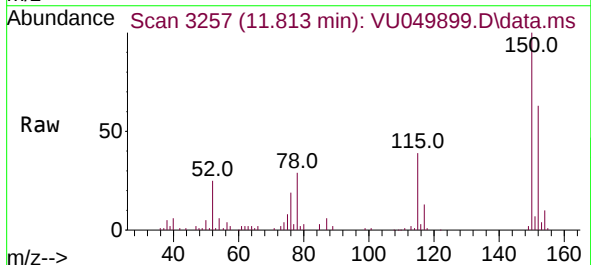
Tgt Ion: 75 Resp: 4560

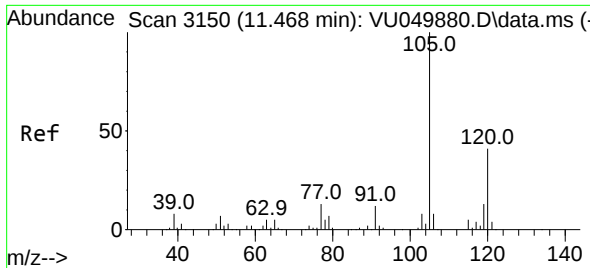
Ion Ratio Lower Upper

75 100

110 1.6 28.0 42.0#

77 29.8 25.4 38.2

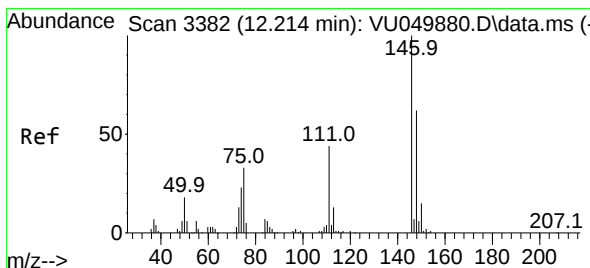
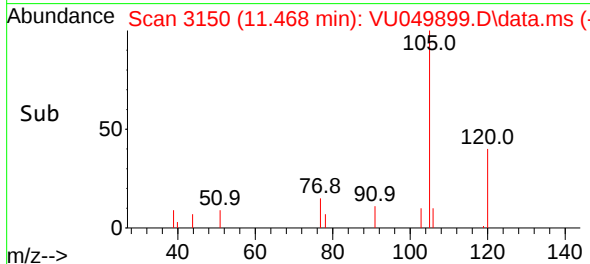
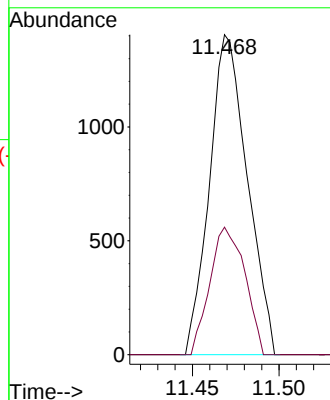
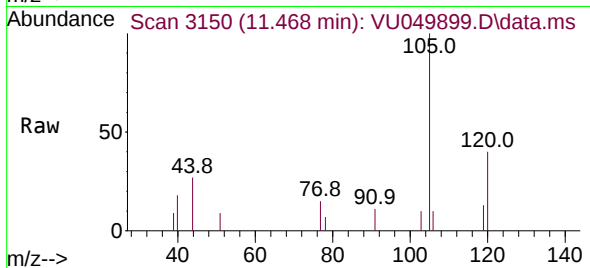




#63
1,2,4-Trimethylbenzene
Concen: 0.115 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU049899.D
Acq: 26 Jul 2022 05:07

Instrument :
MSVOA_U
ClientSampleId :
GBJ15

Tgt Ion:105 Resp: 2133
Ion Ratio Lower Upper
105 100
120 36.9 34.2 51.4



#67
1,2-Dichlorobenzene
Concen: 0.092 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.006 min
Lab File: VU049899.D
Acq: 26 Jul 2022 05:07

Tgt Ion:146 Resp: 1011
Ion Ratio Lower Upper
146 100
111 69.5 35.8 53.8#
148 85.6 50.3 75.5#

