

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072622\
 Data File : VU049914.D
 Acq On : 26 Jul 2022 15:56
 Operator : SY/MD
 Sample : N3870-20DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ17DL

Quant Time: Jul 27 03:57:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 27 03:55:15 2022
 Response via : Initial Calibration

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

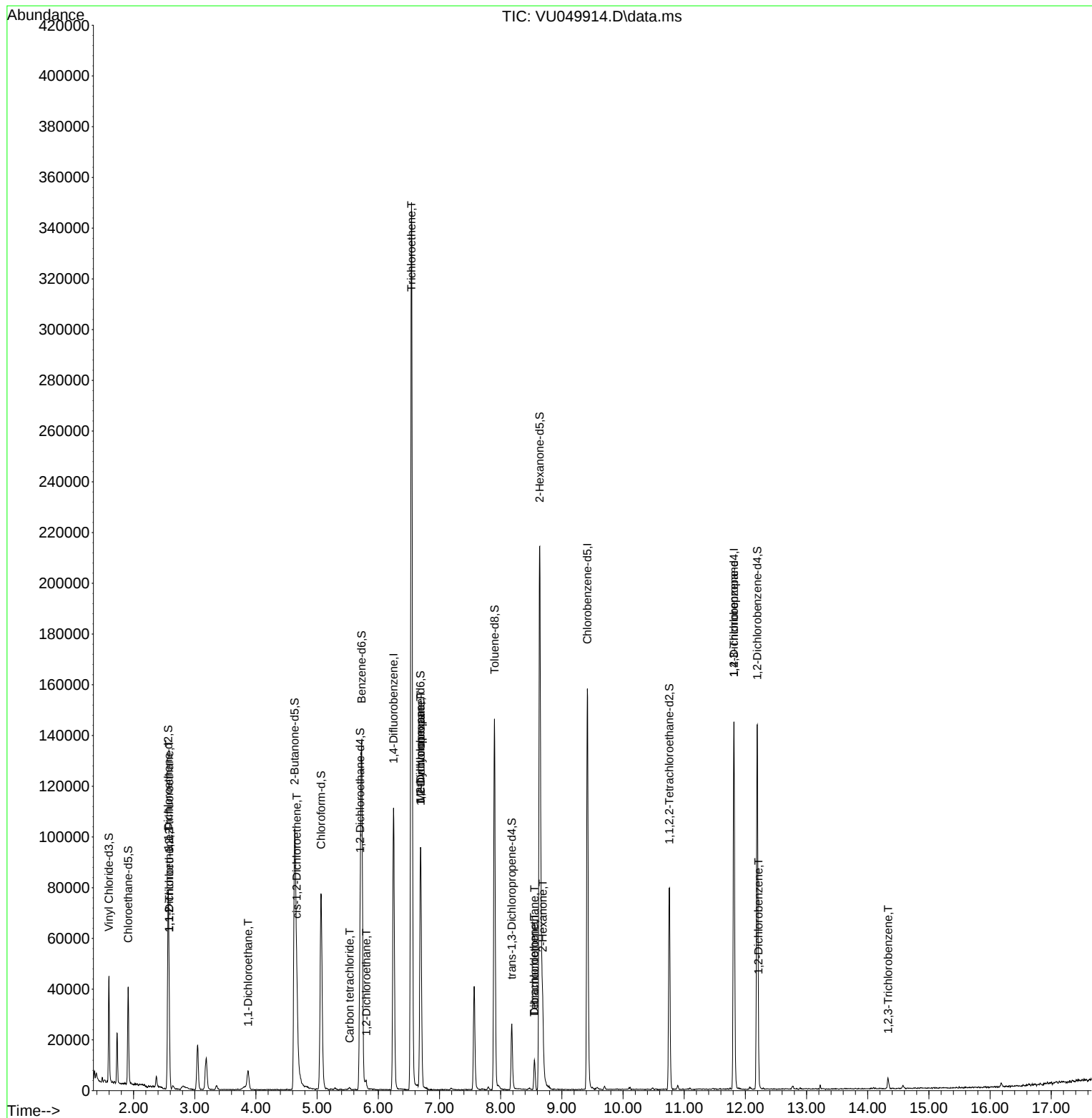
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	86735	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	83400	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	38584	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	29356	4.181	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.912	69	25820	4.394	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.565	65	12813	4.088	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	4.633	46	136493	54.024	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.040%
24) Chloroform-d	5.063	84	69870	4.468	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	5.703	65	40395	4.405	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.729	84	123528	4.347	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.690	67	46214	4.707	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.899	98	95705	3.853	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
43) trans-1,3-Dichloroprop...	8.182	79	14960	4.197	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.636	63	68274	48.336	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.680%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	40520	4.915	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	36275	4.555	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	8183	1.445	ug/L	98
12) 1,1-Dichloroethene	2.581	96	1175	0.205	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	7584	0.530	ug/L	94
22) cis-1,2-Dichloroethene	4.668	96	8516	1.110	ug/L	98
27) 1,2-Dichloroethane	5.803	62	2486	0.238	ug/L #	79
31) Carbon tetrachloride	5.533	117	736	0.077	ug/L	84
34) Trichloroethene	6.542	95	120744	16.455	ug/L	98
35) Methylcyclohexane	6.690	83	10361	1.145	ug/L #	16
37) 1,2-Dichloropropane	6.694	63	5095	0.591	ug/L #	89
47) Tetrachloroethene	8.549	164	2617	0.518	ug/L	89
48) 2-Hexanone	8.687	43	19934	4.439	ug/L #	93
49) Dibromochloromethane	8.552	129	2685	0.390	ug/L #	14
61) 1,2,3-Trichloropropane	11.812	75	5133	0.999	ug/L #	67
67) 1,2-Dichlorobenzene	12.214	146	1034	0.083	ug/L	93
72) 1,2,3-Trichlorobenzene	14.333	180	1591	0.212	ug/L #	91

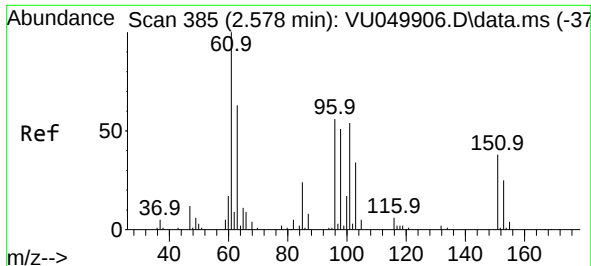
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 1.445 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU049914.D

Acq: 26 Jul 2022 15:56

Instrument :

MSVOA_U

ClientSampleId :

GBJ17DL

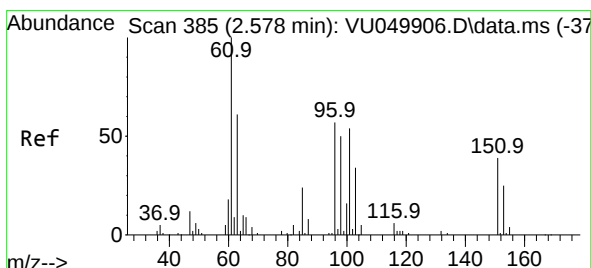
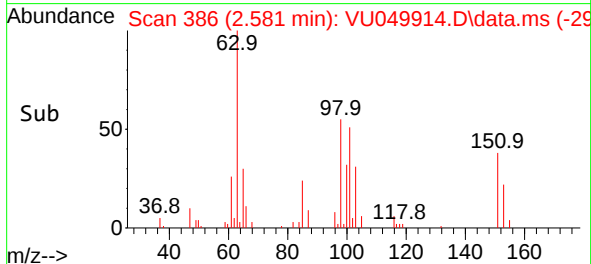
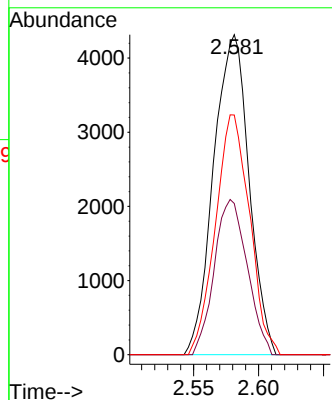
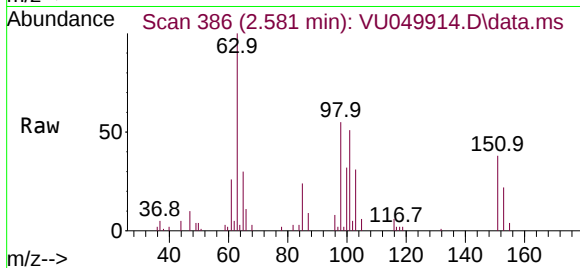
Tgt Ion:101 Resp: 8183

Ion Ratio Lower Upper

101 100

85 45.1 37.2 55.8

151 72.2 56.0 84.0



#12

1,1-Dichloroethene

Concen: 0.205 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU049914.D

Acq: 26 Jul 2022 15:56

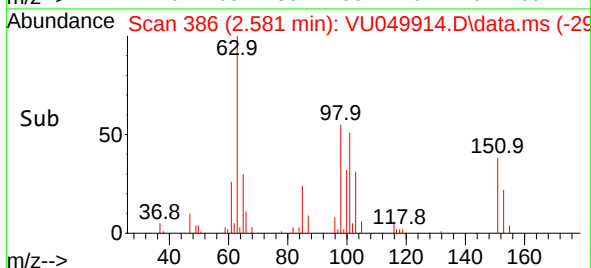
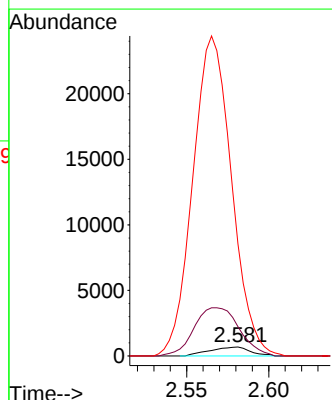
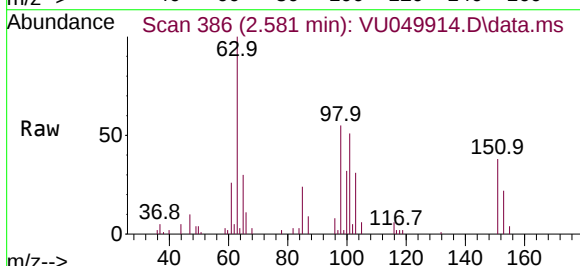
Tgt Ion: 96 Resp: 1175

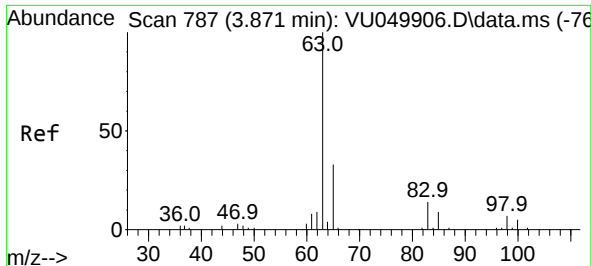
Ion Ratio Lower Upper

96 100

61 324.1 131.6 244.4#

63 1241.1 100.0 185.6#





#19

1,1-Dichloroethane

Concen: 0.530 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU049914.D

Acq: 26 Jul 2022 15:56

Instrument :

MSVOA_U

ClientSampleId :

GBJ17DL

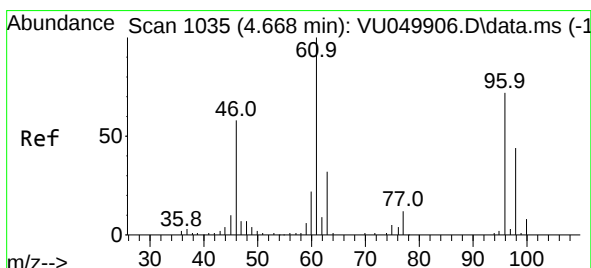
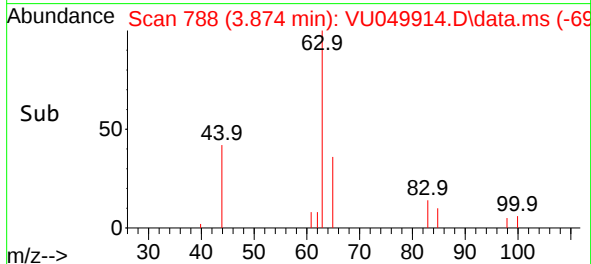
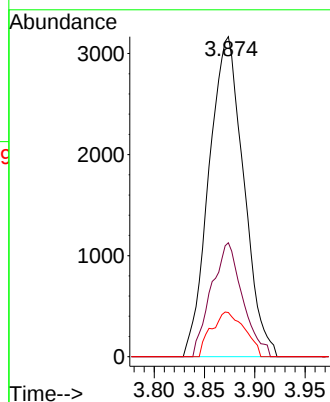
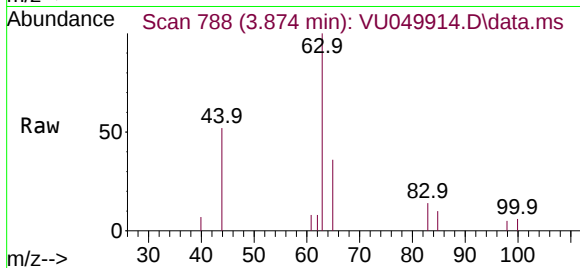
Tgt Ion: 63 Resp: 7584

Ion Ratio Lower Upper

63 100

65 35.6 22.5 41.9

83 13.8 8.3 15.5



#22

cis-1,2-Dichloroethene

Concen: 1.110 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU049914.D

Acq: 26 Jul 2022 15:56

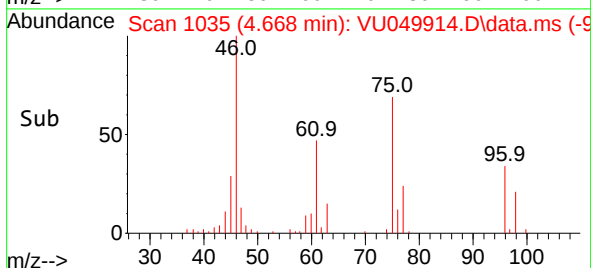
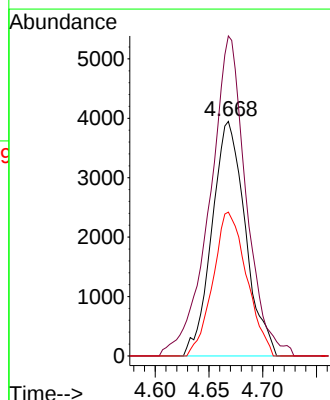
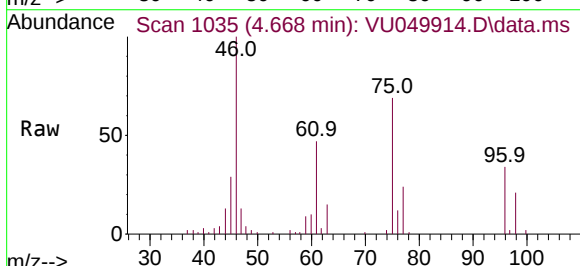
Tgt Ion: 96 Resp: 8516

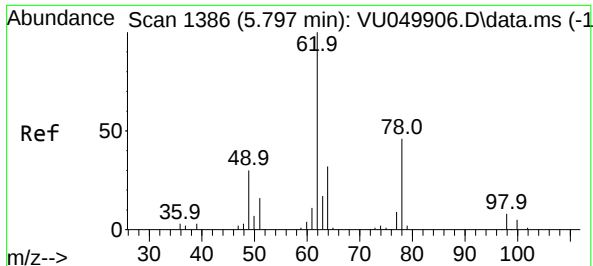
Ion Ratio Lower Upper

96 100

61 136.4 93.9 174.3

98 61.3 43.9 81.5





#27

1,2-Dichloroethane

Concen: 0.238 ug/L

RT: 5.803 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU049914.D

Acq: 26 Jul 2022 15:56

Instrument :

MSVOA_U

ClientSampleId :

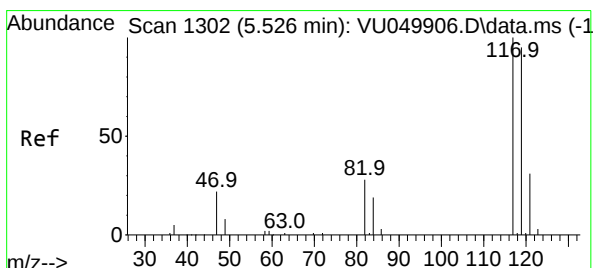
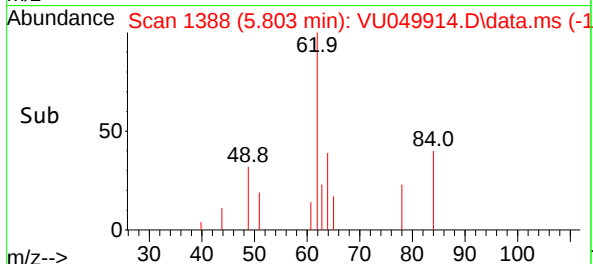
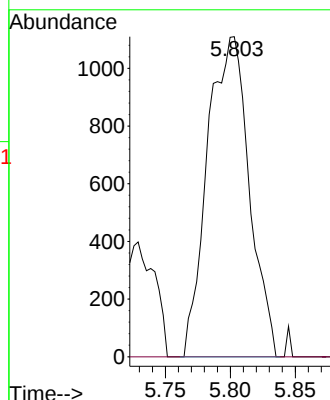
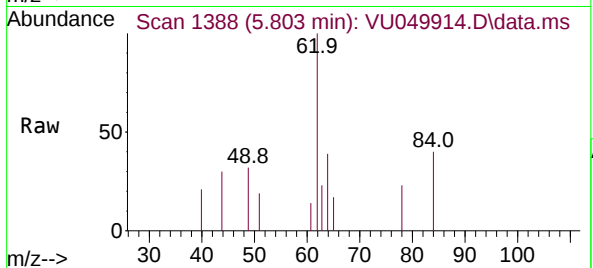
GBJ17DL

Tgt Ion: 62 Resp: 2486

Ion Ratio Lower Upper

62 100

98 0.0 5.9 8.9#



#31

Carbon tetrachloride

Concen: 0.077 ug/L

RT: 5.533 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VU049914.D

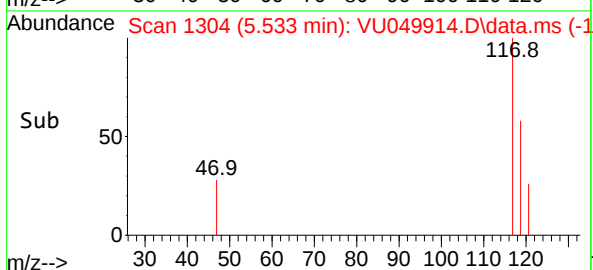
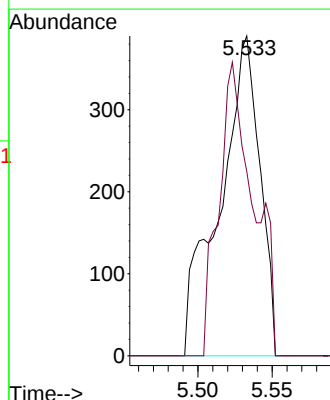
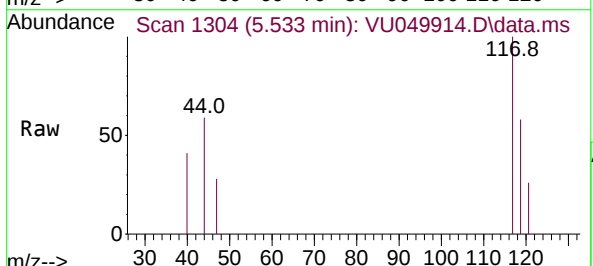
Acq: 26 Jul 2022 15:56

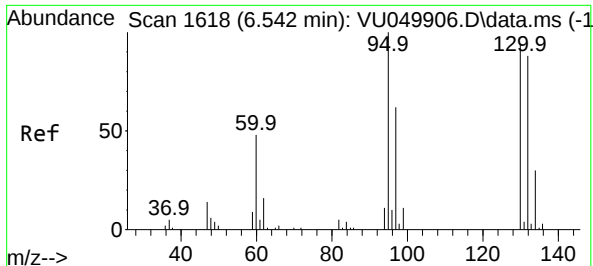
Tgt Ion: 117 Resp: 736

Ion Ratio Lower Upper

117 100

119 78.8 75.2 112.8





#34

Trichloroethene

Concen: 16.455 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049914.D

Acq: 26 Jul 2022 15:56

Instrument :

MSVOA_U

ClientSampleId :

GBJ17DL

Tgt Ion: 95 Resp: 120744

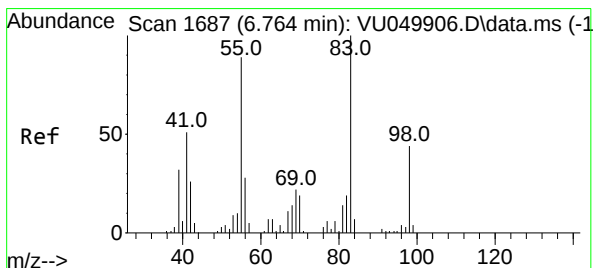
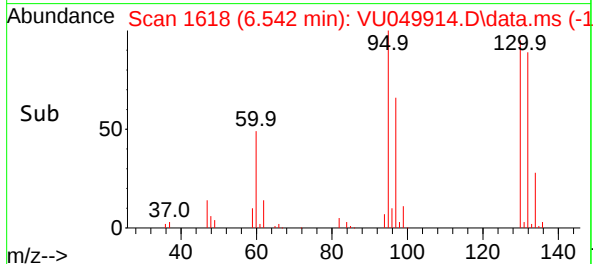
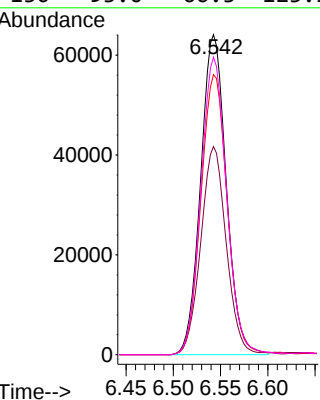
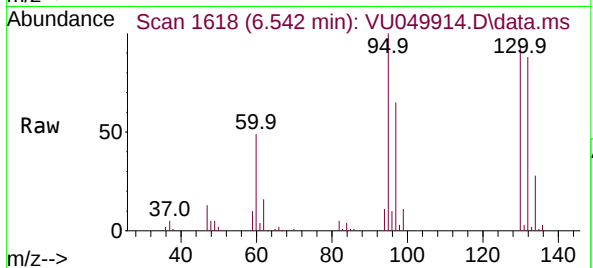
Ion Ratio Lower Upper

95 100

97 65.0 46.8 86.8

132 87.5 61.8 114.8

130 93.0 66.3 123.1



#35

Methylcyclohexane

Concen: 1.145 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.074 min

Lab File: VU049914.D

Acq: 26 Jul 2022 15:56

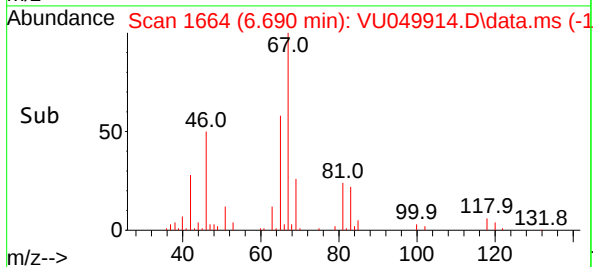
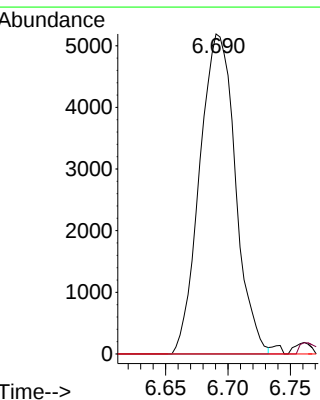
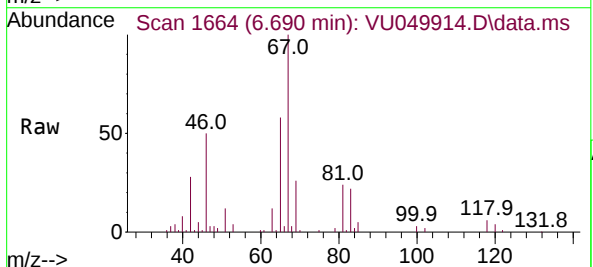
Tgt Ion: 83 Resp: 10361

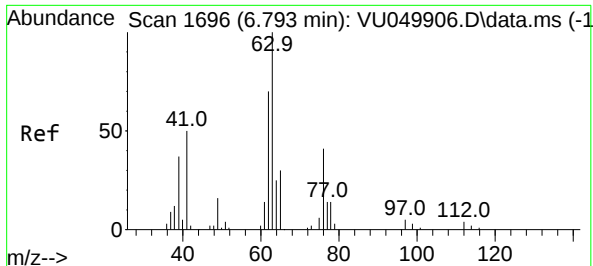
Ion Ratio Lower Upper

83 100

55 1.8 69.0 103.4#

98 0.0 36.4 54.6#





#37

1,2-Dichloropropane

Concen: 0.591 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU049914.D

Acq: 26 Jul 2022 15:56

Instrument :

MSVOA_U

ClientSampleId :

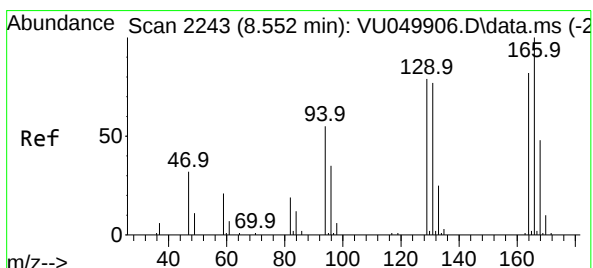
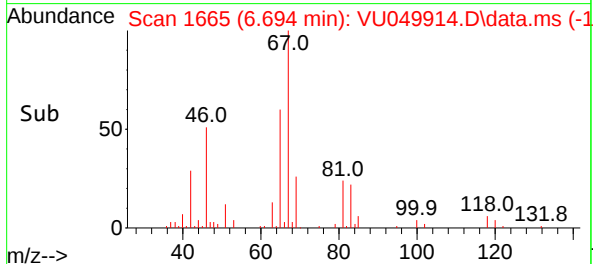
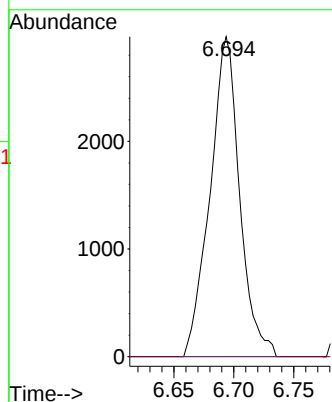
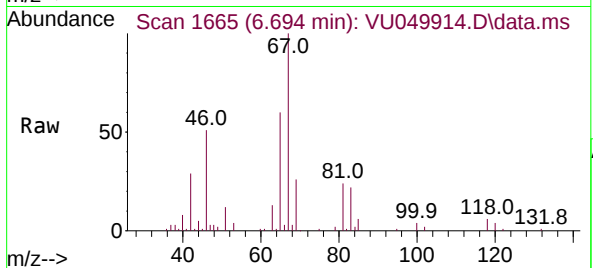
GBJ17DL

Tgt Ion: 63 Resp: 5095

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#47

Tetrachloroethene

Concen: 0.518 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.003 min

Lab File: VU049914.D

Acq: 26 Jul 2022 15:56

Tgt Ion: 164 Resp: 2617

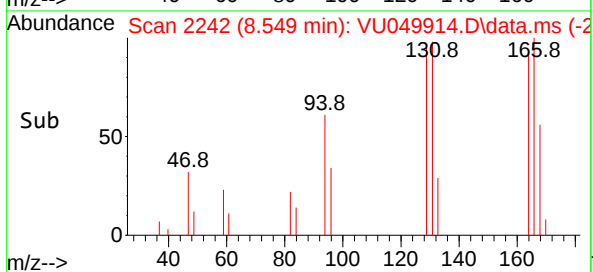
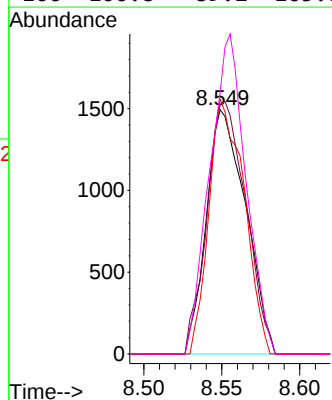
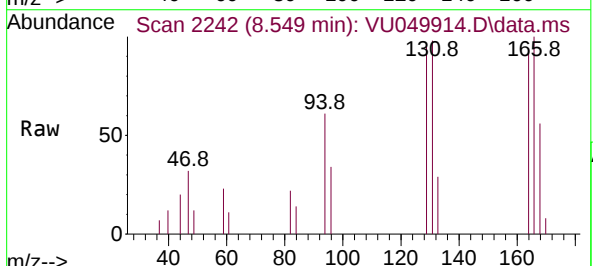
Ion Ratio Lower Upper

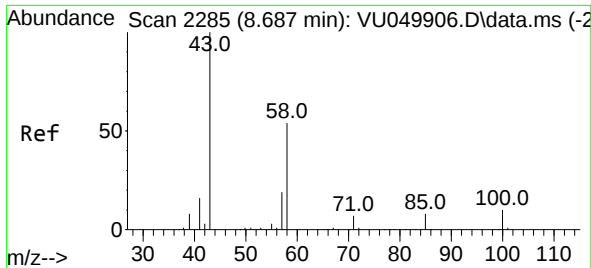
164 100

129 101.9 68.9 127.9

131 104.4 67.5 125.4

166 106.8 89.2 165.8

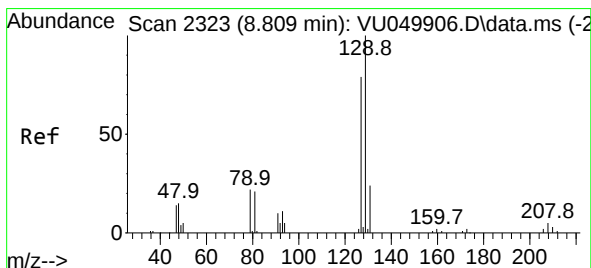
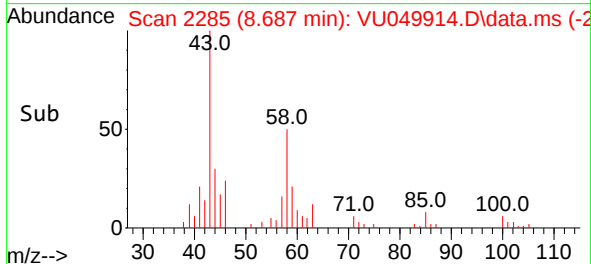
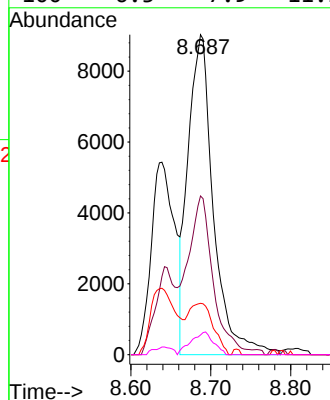
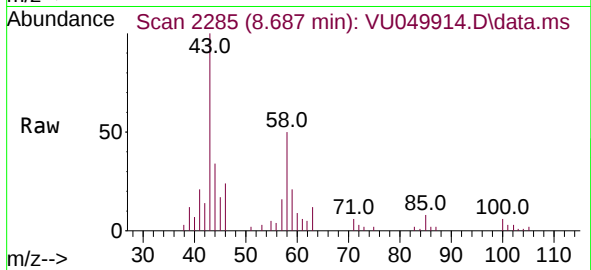




#48
2-Hexanone
Concen: 4.439 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049914.D
Acq: 26 Jul 2022 15:56

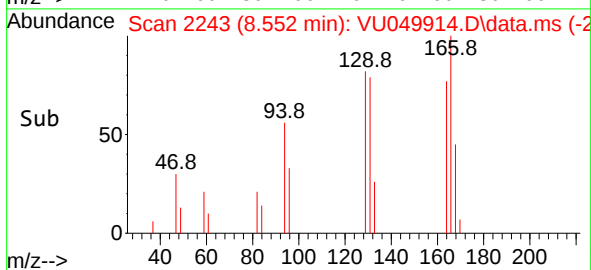
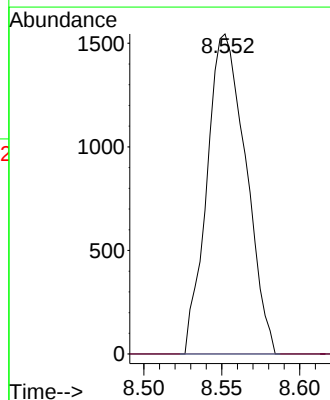
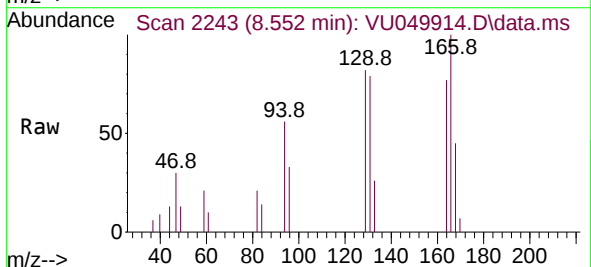
Instrument :
MSVOA_U
ClientSampleId :
GBJ17DL

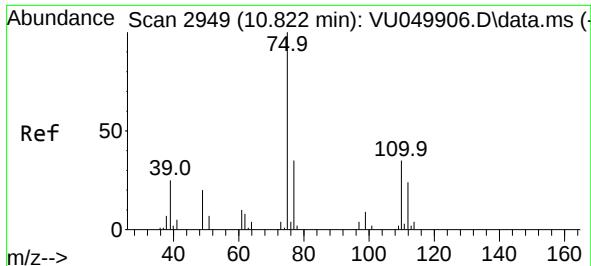
Tgt Ion: 43	Resp: 19934
Ion Ratio	Lower Upper
43 100	
58 47.5	42.1 63.1
57 16.3	14.3 21.5
100 6.3	7.9 11.9#



#49
Dibromochloromethane
Concen: 0.390 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU049914.D
Acq: 26 Jul 2022 15:56

Tgt Ion:129	Resp:	2685	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	50.5	93.7#

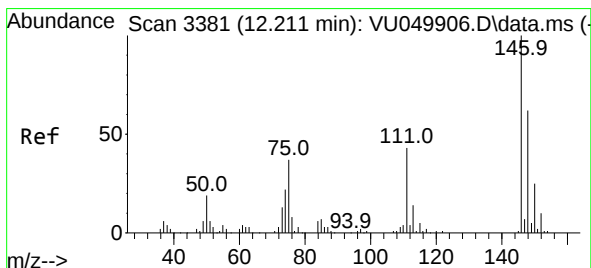
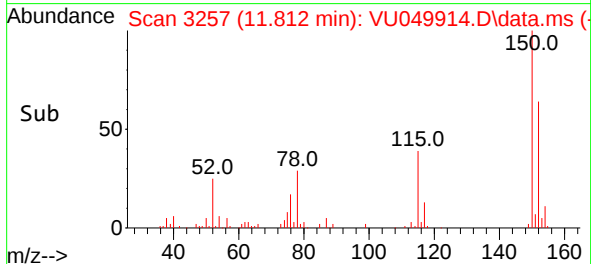
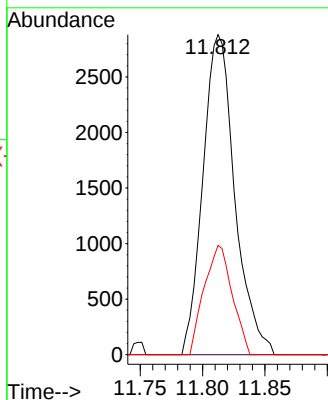
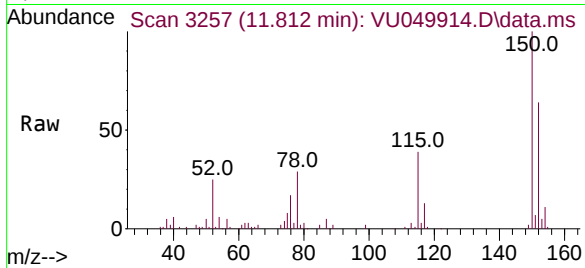




#61
1,2,3-Trichloropropane
Concen: 0.999 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU049914.D
Acq: 26 Jul 2022 15:56

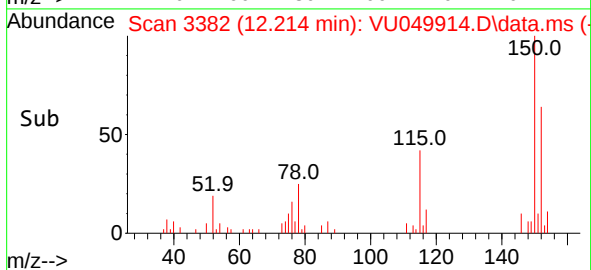
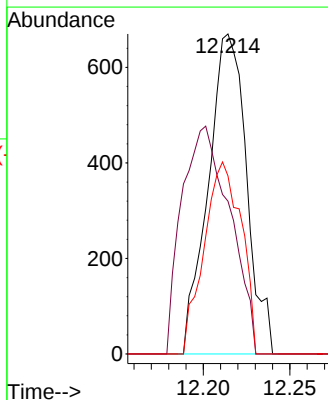
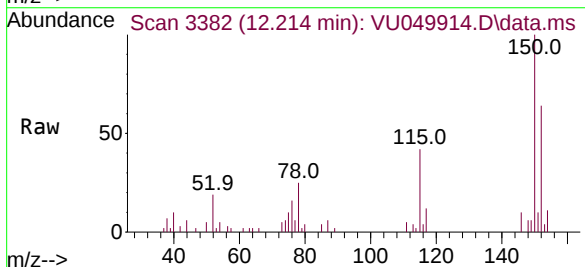
Instrument :
MSVOA_U
ClientSampleId :
GBJ17DL

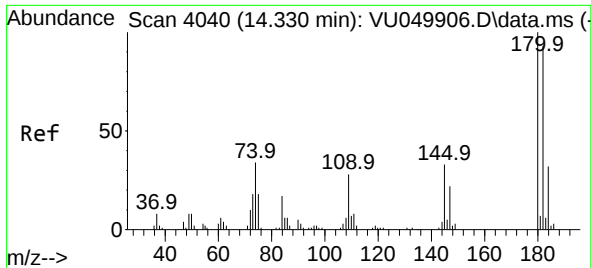
Tgt Ion: 75 Resp: 5133
Ion Ratio Lower Upper
75 100
110 0.0 28.0 42.0#
77 30.0 25.4 38.2



#67
1,2-Dichlorobenzene
Concen: 0.083 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU049914.D
Acq: 26 Jul 2022 15:56

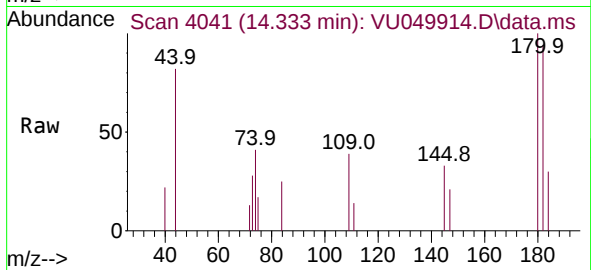
Tgt Ion: 146 Resp: 1034
Ion Ratio Lower Upper
146 100
111 47.8 35.8 53.8
148 55.7 50.3 75.5





#72
 1,2,3-Trichlorobenzene
 Concen: 0.212 ug/L
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.003 min
 Lab File: VU049914.D
 Acq: 26 Jul 2022 15:56

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ17DL



Tgt Ion:180 Resp: 1591
 Ion Ratio Lower Upper
 180 100
 182 96.9 73.9 110.9
 145 22.0 27.8 41.6#

