

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072822\
 Data File : VU049988.D
 Acq On : 28 Jul 2022 16:22
 Operator : SY/MD
 Sample : N3873-04DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ28DL

Quant Time: Jul 29 02:37:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 29 02:27:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	93987	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	92891	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	35922	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	36239	4.491	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	89.800%	
7) Chloroethane-d5	1.912	69	29433	5.078	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	101.600%	
11) 1,1-Dichloroethene-d2	2.562	65	13780	4.955	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	99.000%	
20) 2-Butanone-d5	4.642	46	106956	59.540	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	119.080%	
24) Chloroform-d	5.063	84	68793	5.152	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	103.000%	
26) 1,2-Dichloroethane-d4	5.703	65	36405	5.410	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	108.200%	
32) Benzene-d6	5.729	84	137998	5.027	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.600%	
36) 1,2-Dichloropropane-d6	6.690	67	47332	5.263	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	105.200%	
41) Toluene-d8	7.899	98	110663	4.536	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.800%	
43) trans-1,3-Dichloroprop...	8.182	79	16295	5.170	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	103.400%	
46) 2-Hexanone-d5	8.639	63	60076	50.920	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	101.840%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41218	5.455	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	109.200%	
66) 1,2-Dichlorobenzene-d4	12.195	152	37151	5.576	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	111.600%	
Target Compounds						Qvalue
5) Vinyl chloride	1.601	62	1357	0.168	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.556	101	338	0.060	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	10371	1.999	ug/L #	46
19) 1,1-Dichloroethane	3.867	63	31333	2.679	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	1500	0.220	ug/L	76
29) 1,1,1-Trichloroethane	5.314	97	77516	7.859	ug/L	98
31) Carbon tetrachloride	5.317	117	10354	1.292	ug/L	96
34) Trichloroethene	6.539	95	2733	0.415	ug/L	85
35) Methylcyclohexane	6.694	83	10672	1.228	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	4821	0.645	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1104	0.114	ug/L #	61
47) Tetrachloroethene	8.552	164	35556	7.497	ug/L	94
48) 2-Hexanone	8.687	43	15929	4.840	ug/L #	92
49) Dibromochloromethane	8.552	129	33740	5.523	ug/L #	10
51) Chlorobenzene	9.452	112	1447	0.083	ug/L	95
61) 1,2,3-Trichloropropane	11.812	75	4726	1.133	ug/L #	67
65) 1,4-Dichlorobenzene	11.835	146	1753	0.174	ug/L	97
71) Naphthalene	14.092	128	1273	0.110	ug/L #	69

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jul 29 02:27:55 2022
Response via : Initial Calibration

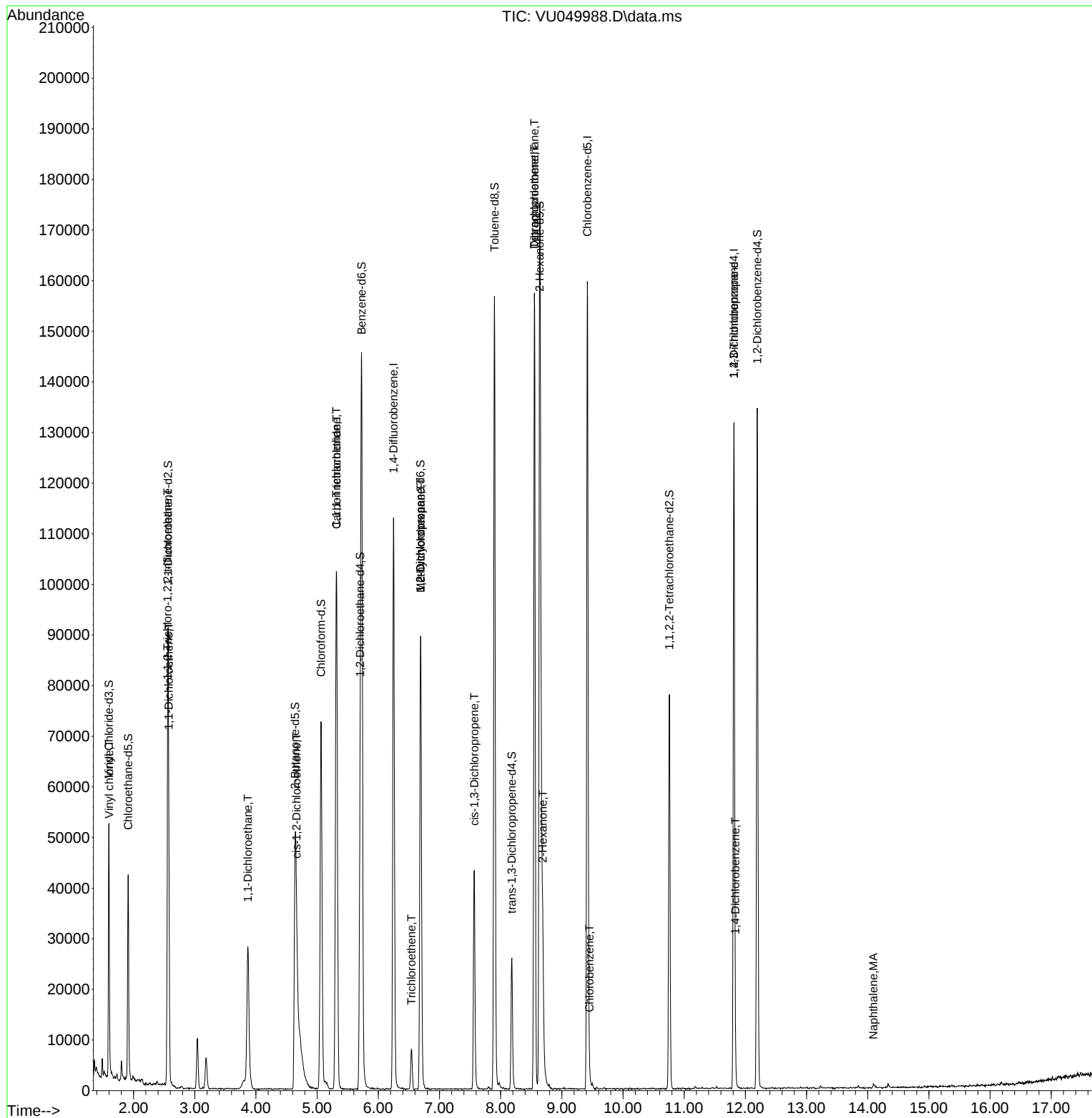
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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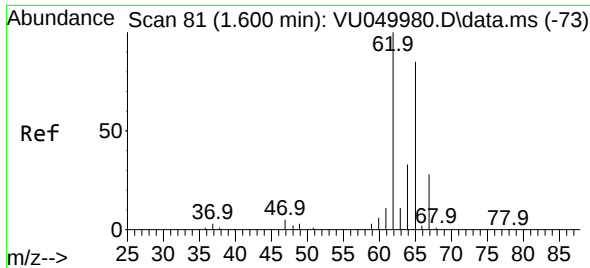
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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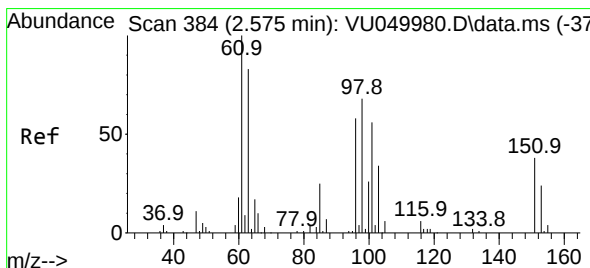
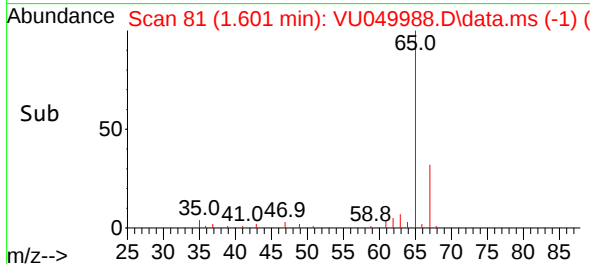
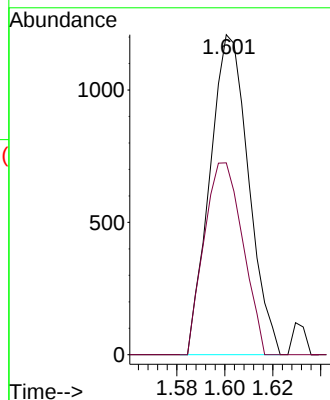
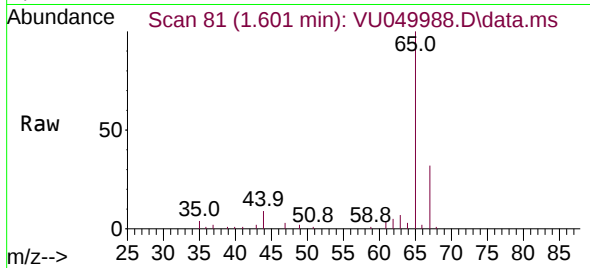




#5
 Vinyl chloride
 Concen: 0.168 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049988.D
 Acq: 28 Jul 2022 16:22

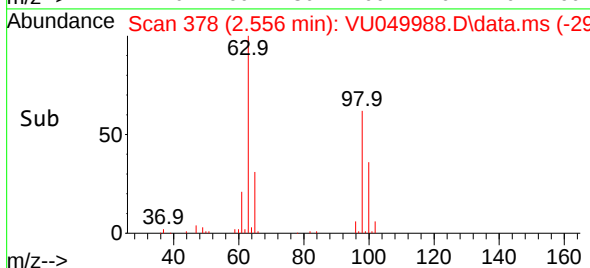
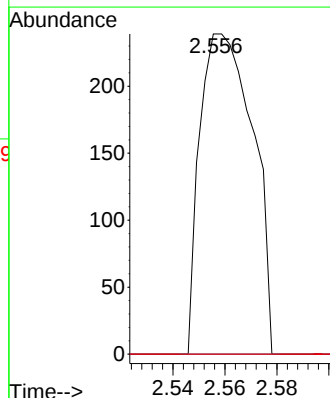
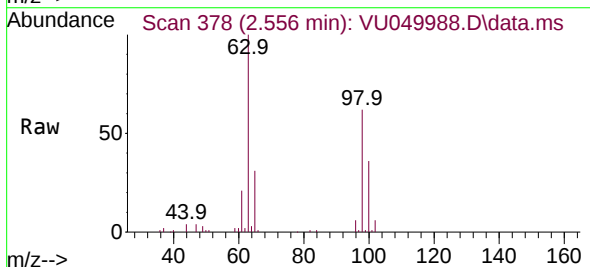
Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ28DL

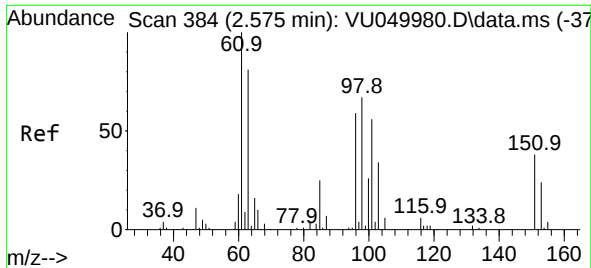
Tgt Ion: 62 Resp: 1357
 Ion Ratio Lower Upper
 62 100
 64 60.0 22.5 41.9#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.060 ug/L
 RT: 2.556 min Scan# 378
 Delta R.T. -0.019 min
 Lab File: VU049988.D
 Acq: 28 Jul 2022 16:22

Tgt Ion: 101 Resp: 338
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.1 51.1#
 151 0.0 56.6 85.0#





#12

1,1-Dichloroethene

Concen: 1.999 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU049988.D

Acq: 28 Jul 2022 16:22

Instrument :

MSVOA_U

ClientSampleId :

GBJ28DL

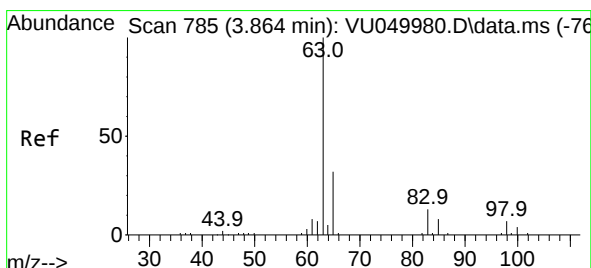
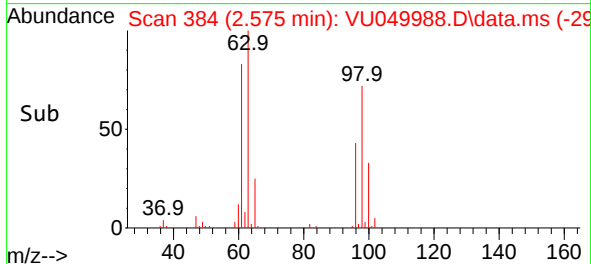
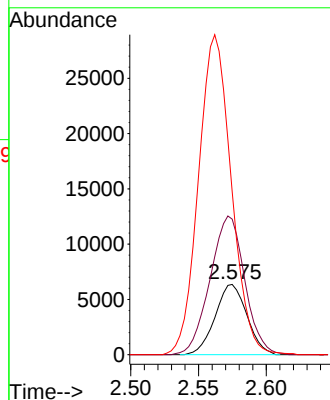
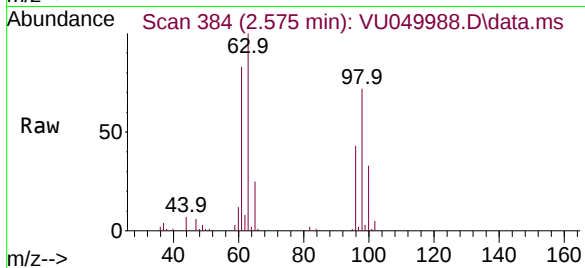
Tgt Ion: 96 Resp: 10371

Ion Ratio Lower Upper

96 100

61 192.9 115.7 214.9

63 231.9 84.8 157.4#



#19

1,1-Dichloroethane

Concen: 2.679 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU049988.D

Acq: 28 Jul 2022 16:22

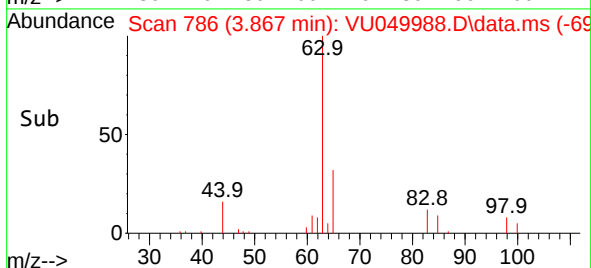
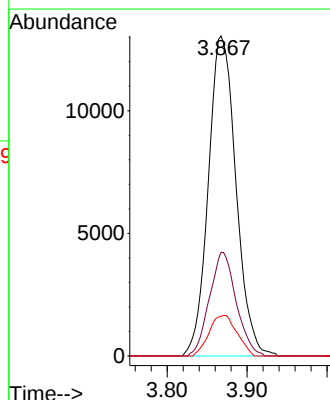
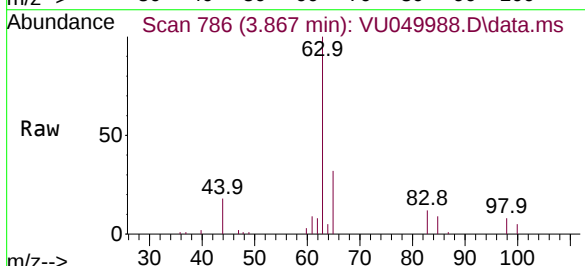
Tgt Ion: 63 Resp: 31333

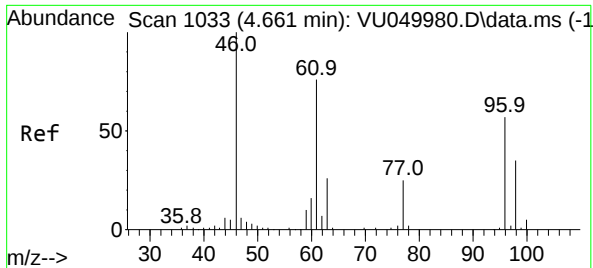
Ion Ratio Lower Upper

63 100

65 32.4 23.4 43.6

83 12.4 9.4 17.4





#22

cis-1,2-Dichloroethene

Concen: 0.220 ug/L

RT: 4.665 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU049988.D

Acq: 28 Jul 2022 16:22

Instrument :

MSVOA_U

ClientSampleId :

GBJ28DL

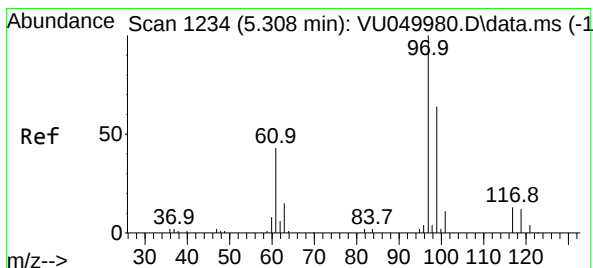
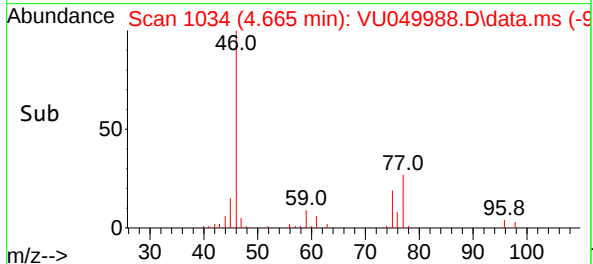
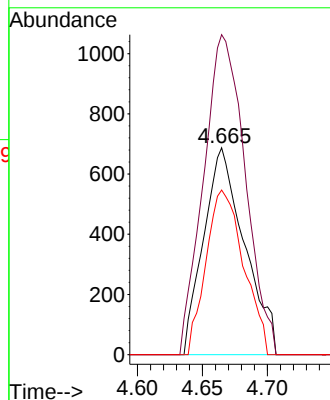
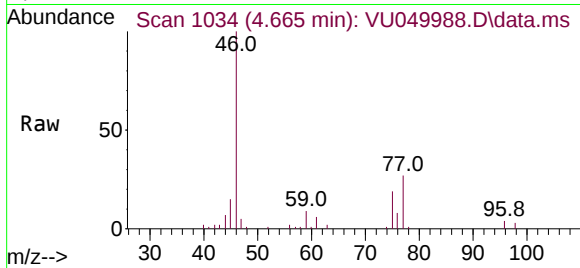
Tgt Ion: 96 Resp: 1500

Ion Ratio Lower Upper

96 100

61 154.7 87.2 161.9

98 79.6 44.7 83.1



#29

1,1,1-Trichloroethane

Concen: 7.859 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.007 min

Lab File: VU049988.D

Acq: 28 Jul 2022 16:22

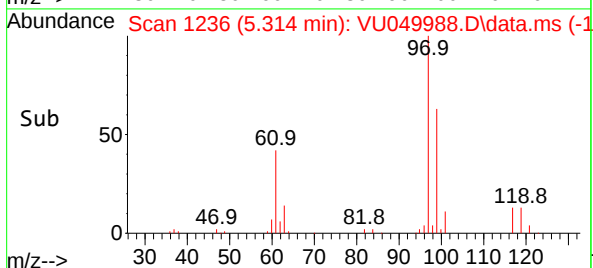
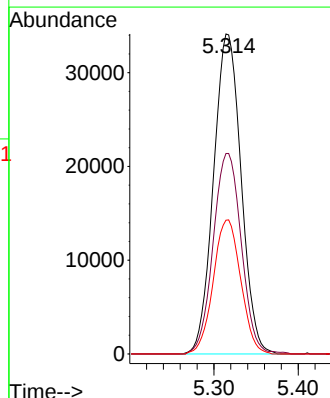
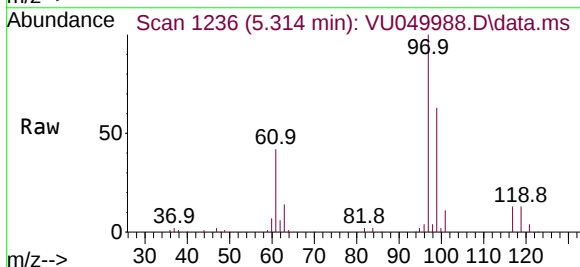
Tgt Ion: 97 Resp: 77516

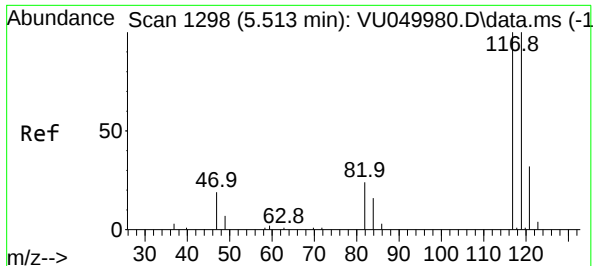
Ion Ratio Lower Upper

97 100

99 64.0 52.0 78.0

61 41.8 35.0 52.6

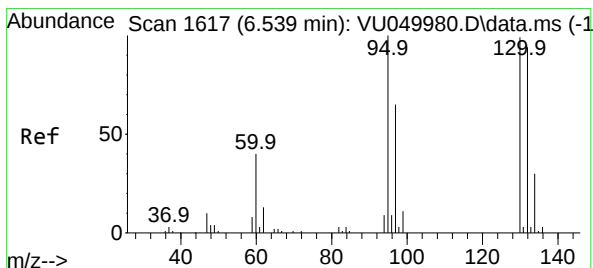
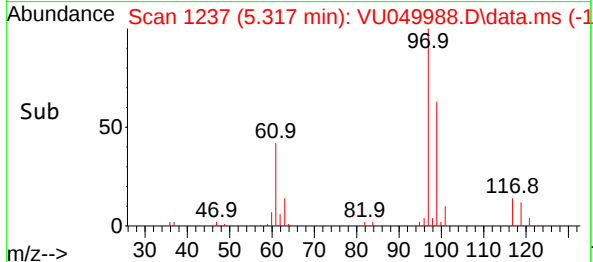
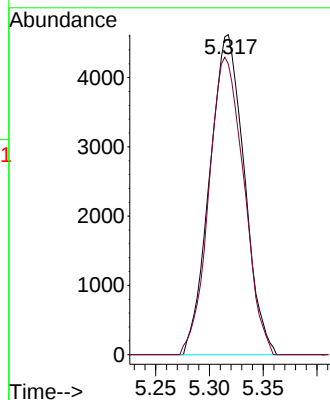
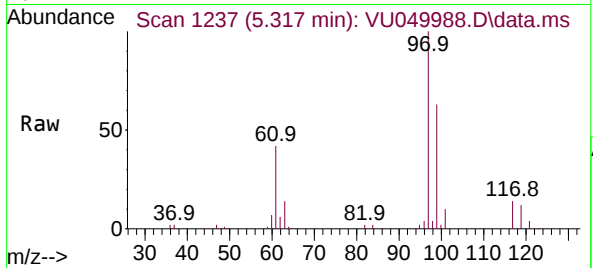




#31
Carbon tetrachloride
Concen: 1.292 ug/L
RT: 5.317 min Scan# 11
Delta R.T. -0.196 min
Lab File: VU049988.D
Acq: 28 Jul 2022 16:22

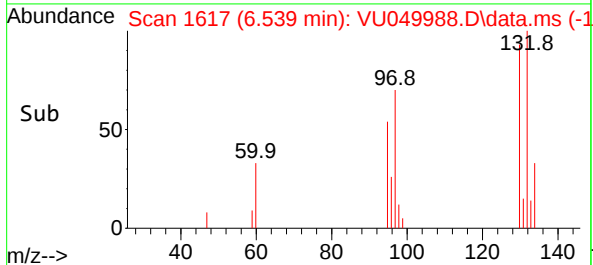
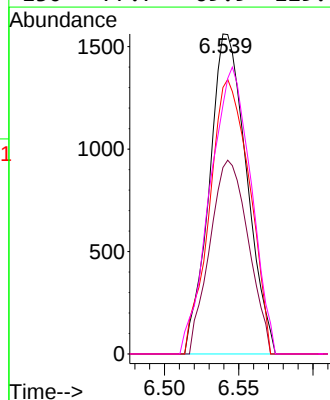
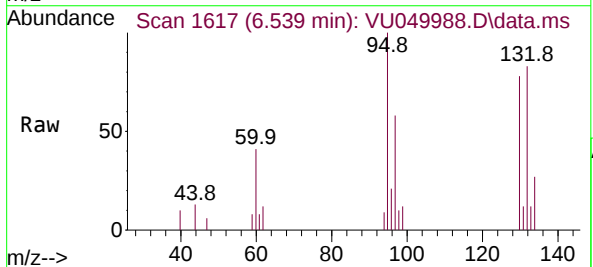
Instrument :
MSVOA_U
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GBJ28DL

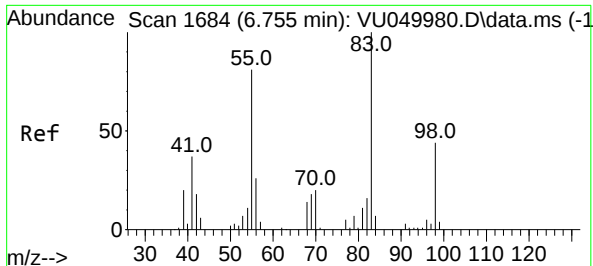
Tgt Ion:117 Resp: 10354
Ion Ratio Lower Upper
117 100
119 93.7 77.8 116.6



#34
Trichloroethene
Concen: 0.415 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU049988.D
Acq: 28 Jul 2022 16:22

Tgt Ion: 95 Resp: 2733
Ion Ratio Lower Upper
95 100
97 58.3 45.6 84.8
132 83.2 66.8 124.2
130 77.7 69.9 129.7





#35

Methylcyclohexane

Concen: 1.228 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.061 min

Lab File: VU049988.D

Acq: 28 Jul 2022 16:22

Instrument :

MSVOA_U

ClientSampleId :

GBJ28DL

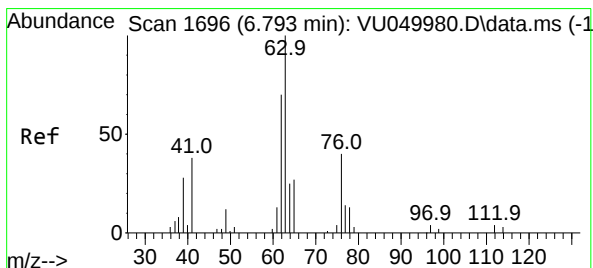
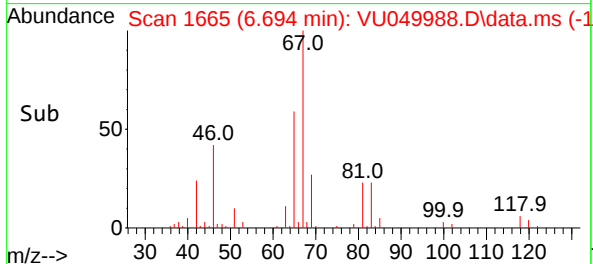
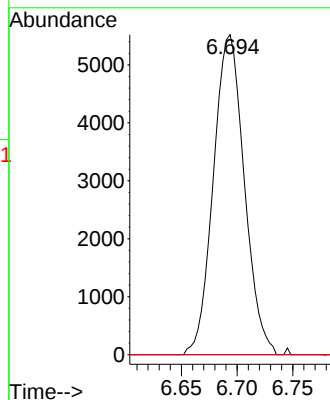
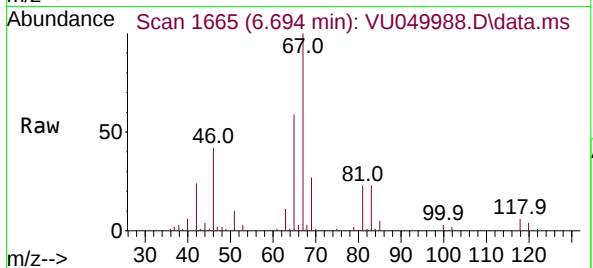
Tgt Ion: 83 Resp: 10672

Ion Ratio Lower Upper

83 100

55 0.0 61.6 92.4#

98 1.8 34.8 52.2#



#37

1,2-Dichloropropane

Concen: 0.645 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU049988.D

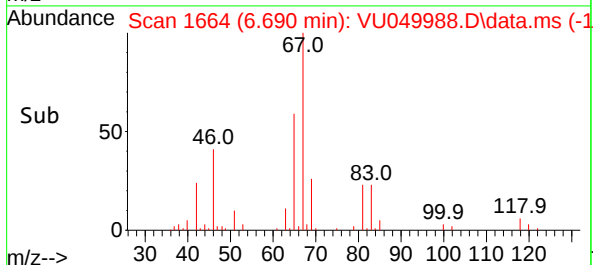
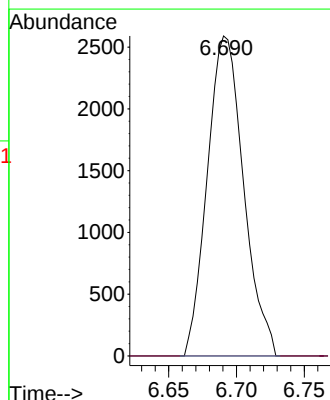
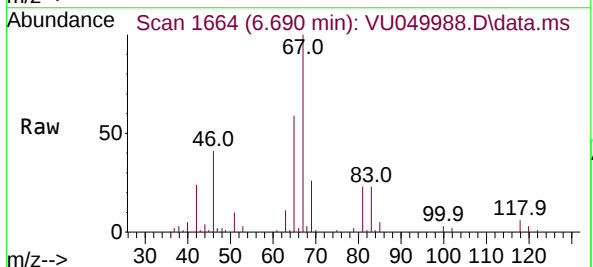
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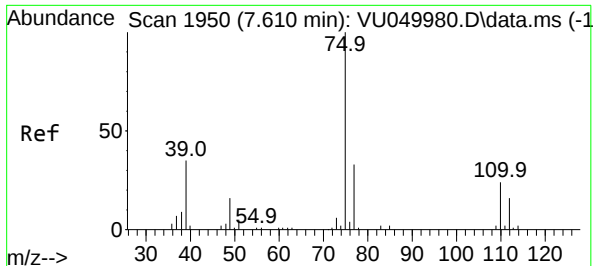
Tgt Ion: 63 Resp: 4821

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.568 min Scan# 19

Delta R.T. -0.042 min

Lab File: VU049988.D

Acq: 28 Jul 2022 16:22

Instrument :

MSVOA_U

ClientSampleId :

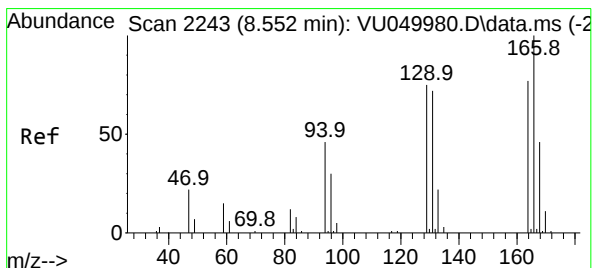
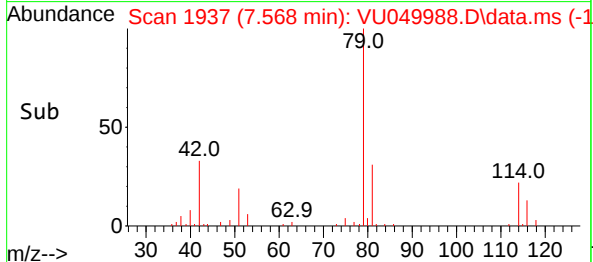
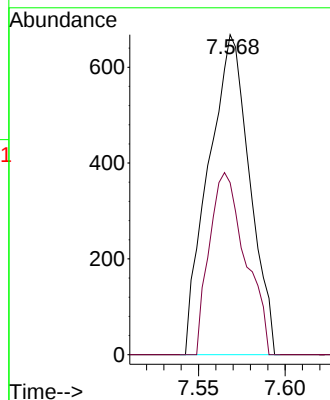
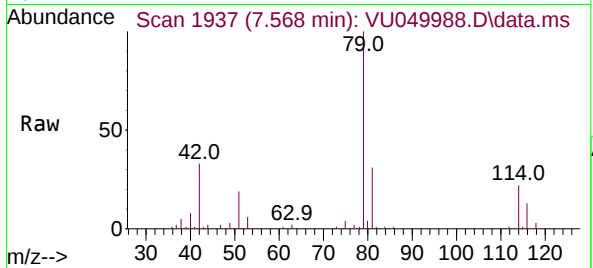
GBJ28DL

Tgt Ion: 75 Resp: 1104

Ion Ratio Lower Upper

75 100

77 53.7 22.5 41.9#



#47

Tetrachloroethene

Concen: 7.497 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU049988.D

Acq: 28 Jul 2022 16:22

Tgt Ion: 164 Resp: 35556

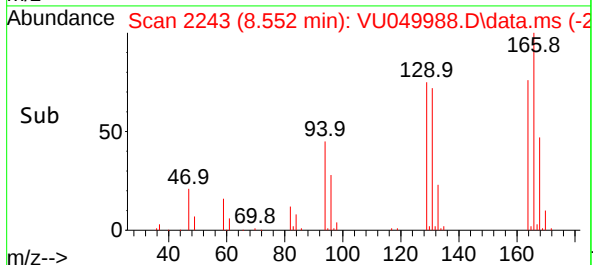
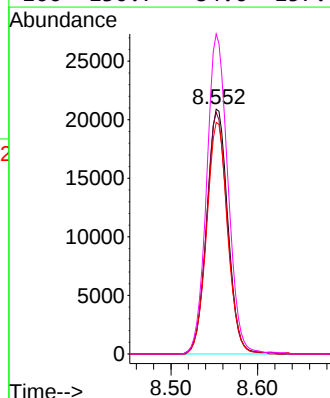
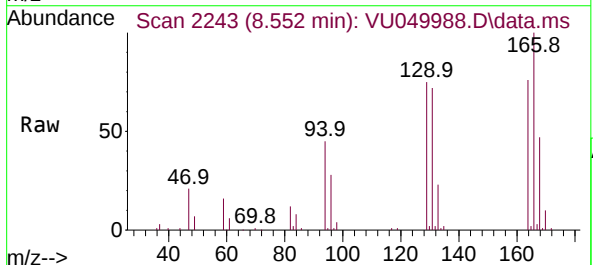
Ion Ratio Lower Upper

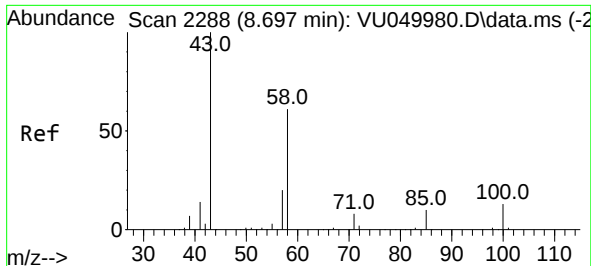
164 100

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131 94.6 63.1 117.1

166 130.7 84.6 157.0

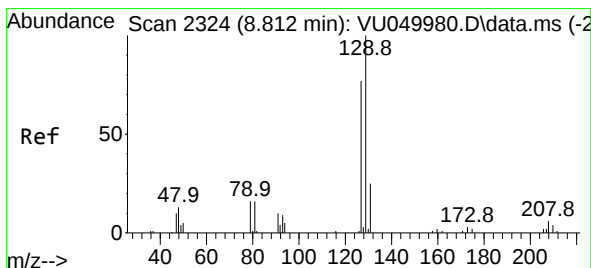
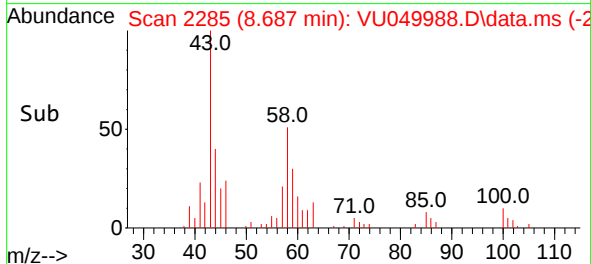
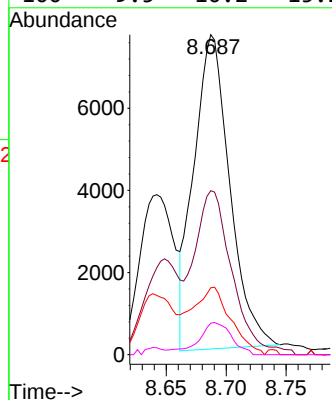
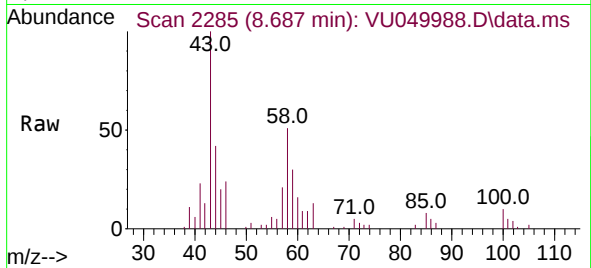




#48
2-Hexanone
Concen: 4.840 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.009 min
Lab File: VU049988.D
Acq: 28 Jul 2022 16:22

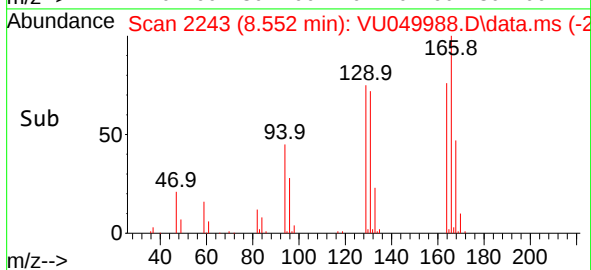
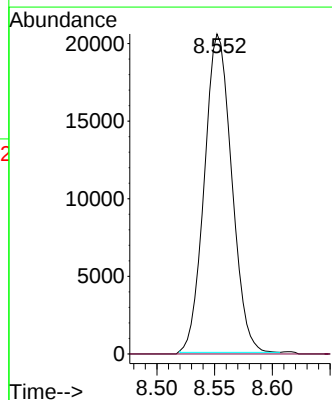
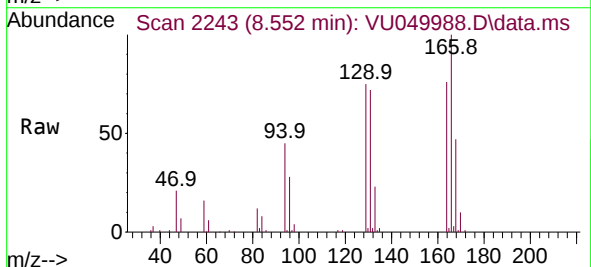
Instrument :
MSVOA_U
ClientSampleId :
GBJ28DL

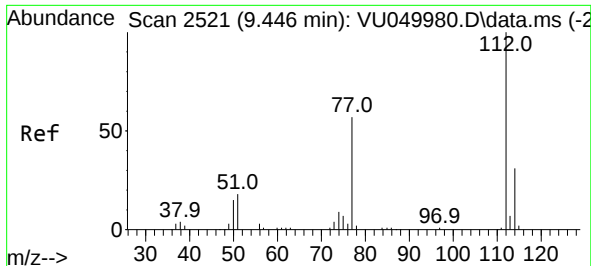
Tgt Ion: 43	Resp: 15929
Ion Ratio	Lower Upper
43 100	
58 54.4	49.4 74.0
57 22.0	17.0 25.4
100 9.5	10.2 15.2#



#49
Dibromochloromethane
Concen: 5.523 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU049988.D
Acq: 28 Jul 2022 16:22

Tgt Ion:129	Resp:	33740	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.5	101.1#

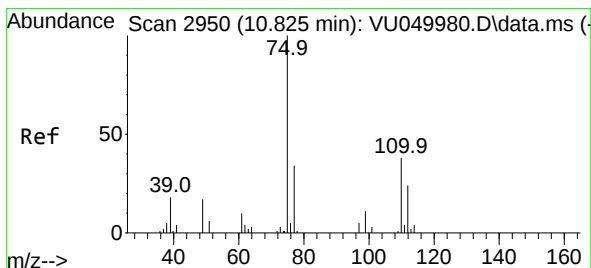
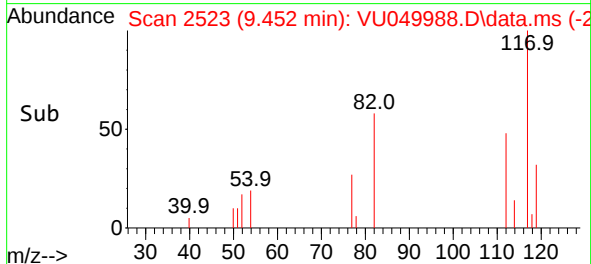
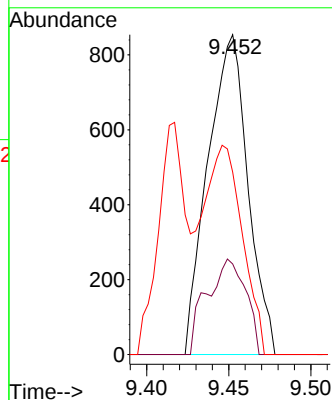
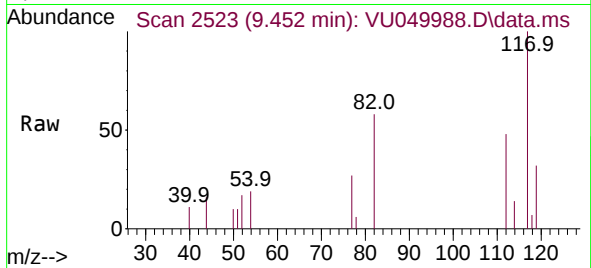




#51
Chlorobenzene
Concen: 0.083 ug/L
RT: 9.452 min Scan# 21447
Delta R.T. 0.007 min
Lab File: VU049988.D
Acq: 28 Jul 2022 16:22

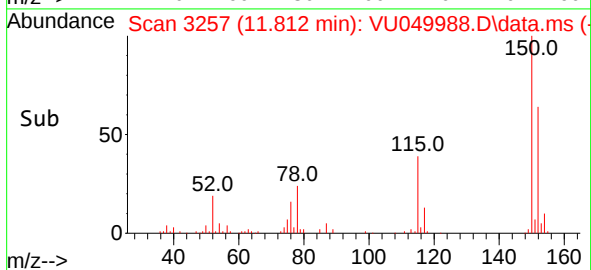
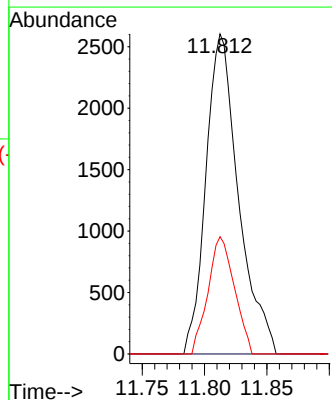
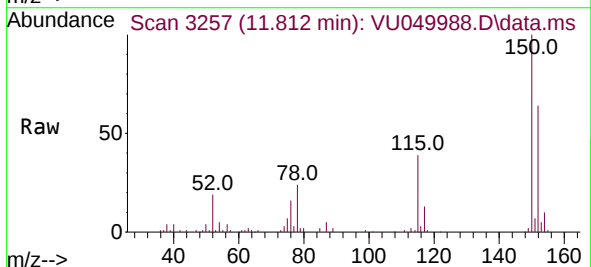
Instrument :
MSVOA_U
ClientSampleId :
GBJ28DL

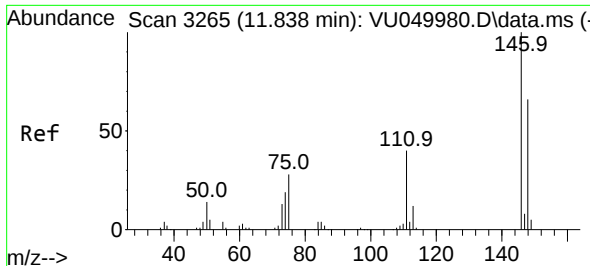
Tgt Ion:	112	Resp:	1447
Ion Ratio	Lower	Upper	
112	100		
114	28.3	22.4	41.6
77	57.0	48.2	72.4



#61
1,2,3-Trichloropropane
Concen: 1.133 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU049988.D
Acq: 28 Jul 2022 16:22

Tgt Ion:	75	Resp:	4726
Ion Ratio	Lower	Upper	
75	100		
110	0.0	28.1	42.1#
77	29.6	24.7	37.1

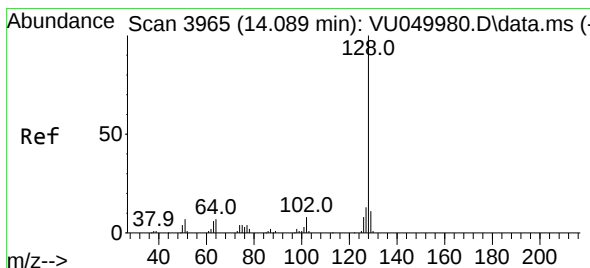
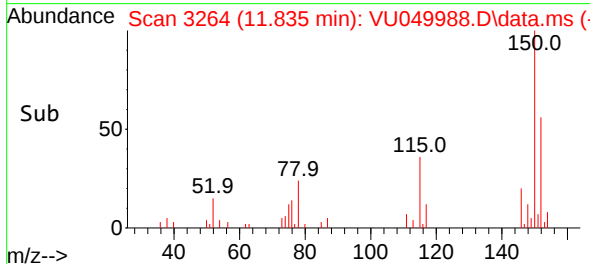
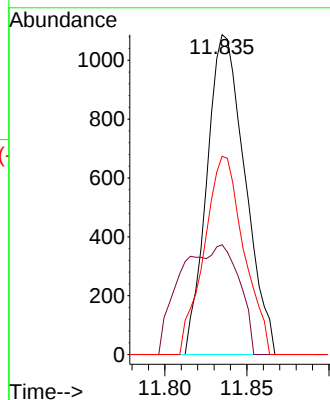
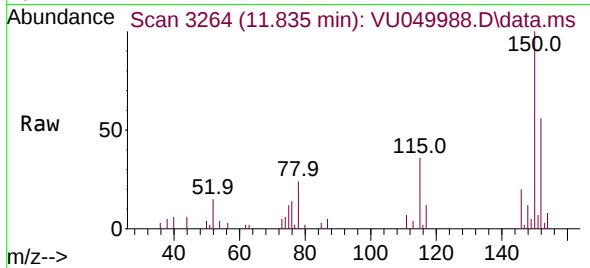




#65
1,4-Dichlorobenzene
Concen: 0.174 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU049988.D
Acq: 28 Jul 2022 16:22

Instrument :
MSVOA_U
ClientSampleId :
GBJ28DL

Tgt Ion:	146	Resp:	1753
Ion	Ratio	Lower	Upper
146	100		
111	34.3	26.4	49.0
148	62.0	44.3	82.3



#71
Naphthalene
Concen: 0.110 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU049988.D
Acq: 28 Jul 2022 16:22

Tgt Ion:	128	Resp:	1273
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.5	12.7#
127	0.0	10.3	15.5#

