

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072622\
 Data File : U049934.D
 Acq On : 27 Jul 2022 00:57
 Operator : SY/MD
 Sample : N3873-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ28

Quant Time: Jul 27 05:31:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 27 05:17:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	80075	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	80372	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	33987	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	25006	3.857	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.912	69	22820	4.206	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.565	65	11240	3.885	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.600%
20) 2-Butanone-d5	4.636	46	138681	59.455	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.900%
24) Chloroform-d	5.063	84	66428	4.601	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	5.703	65	39376	4.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.729	84	112088	4.093	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	6.690	67	44244	4.676	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.896	98	84007	3.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.200%
43) trans-1,3-Dichloroprop...	8.179	79	12657	3.685	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.632	63	70078	51.482	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.960%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	40505	5.098	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	33390	4.760	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	16675	1.918	ug/L	99
8) Chloroethane	1.932	64	696	0.139	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	601	0.115	ug/L #	28
12) 1,1-Dichloroethene	2.578	96	137929	26.068	ug/L #	74
19) 1,1-Dichloroethane	3.867	63	414902	31.388	ug/L	99
21) 2-Butanone	4.809	43	87015	36.569	ug/L #	52
22) cis-1,2-Dichloroethene	4.668	96	19503	2.753	ug/L	97
27) 1,2-Dichloroethane	5.797	62	1139	0.118	ug/L #	67
29) 1,1,1-Trichloroethane	5.317	97	1120039	99.270	ug/L	99
30) Cyclohexane	5.391	56	1158	0.127	ug/L #	91
31) Carbon tetrachloride	5.317	117	137287	14.985	ug/L	97
33) Benzene	5.771	78	10750	0.369	ug/L	100
34) Trichloroethene	6.543	95	35802	5.063	ug/L	96
35) Methylcyclohexane	6.764	83	1437	0.165	ug/L #	65
37) 1,2-Dichloropropane	6.694	63	5125	0.617	ug/L #	89
39) cis-1,3-Dichloropropene	7.575	75	1065	0.097	ug/L #	57
45) 1,1,2-Trichloroethane	8.401	97	1387	0.234	ug/L	94
47) Tetrachloroethene	8.552	164	483305	99.288	ug/L	98
48) 2-Hexanone	8.687	43	22534	5.207	ug/L #	91

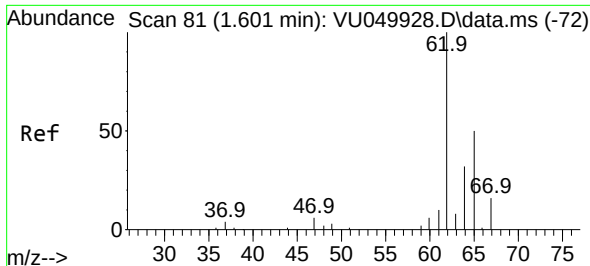
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072622\
Data File : VU049934.D
Acq On : 27 Jul 2022 00:57
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 27 05:17:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.552	129	487637	73.543	ug/L #	14
61) 1,2,3-Trichloropropane	11.812	75	5078	1.121	ug/L #	65

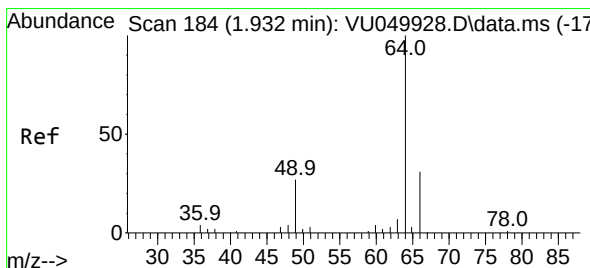
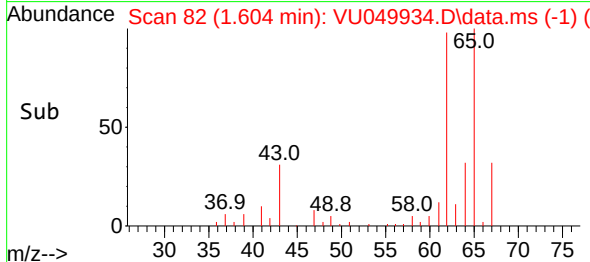
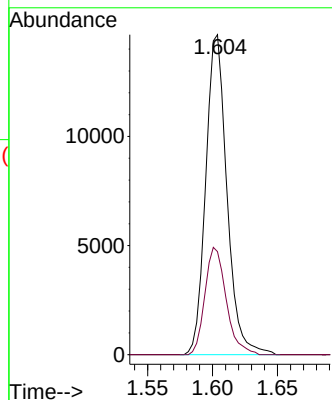
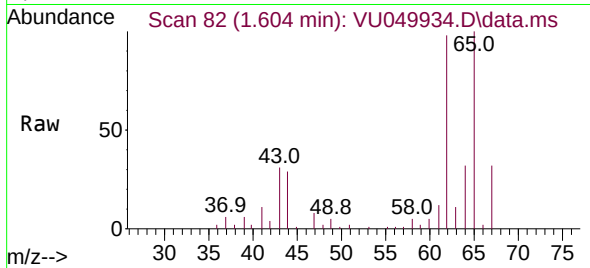
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 1.918 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU049934.D
 Acq: 27 Jul 2022 00:57

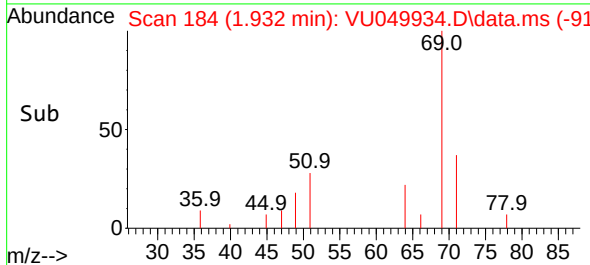
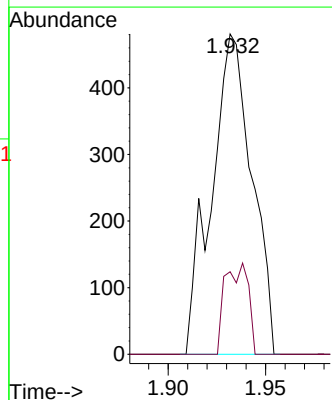
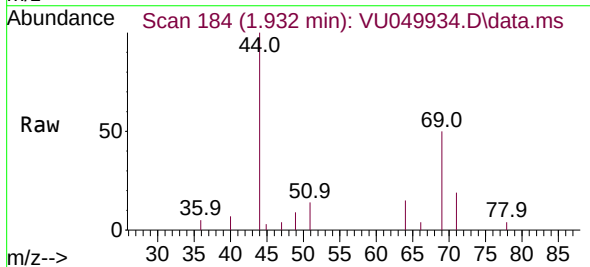
Instrument :
 MSVOA_U
 ClientSampleId :
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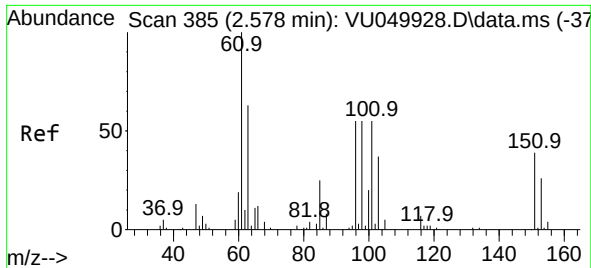
Tgt Ion: 62 Resp: 16675
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.7 42.3



#8
 Chloroethane
 Concen: 0.139 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. -0.000 min
 Lab File: VU049934.D
 Acq: 27 Jul 2022 00:57

Tgt Ion: 64 Resp: 696
 Ion Ratio Lower Upper
 64 100
 66 25.8 22.7 42.3

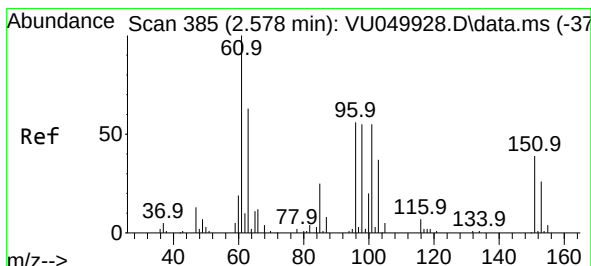
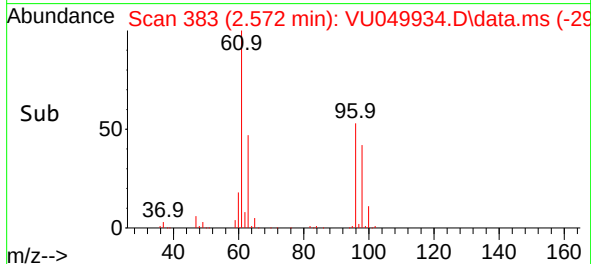
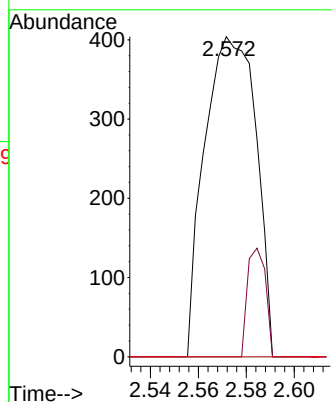
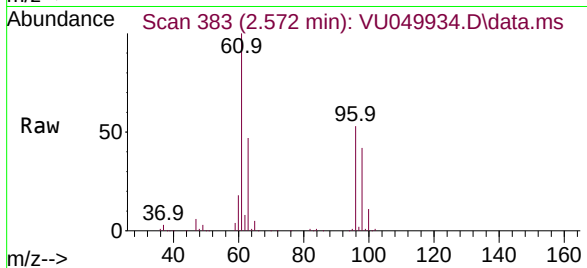




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.115 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.007 min
 Lab File: VU049934.D
 Acq: 27 Jul 2022 00:57

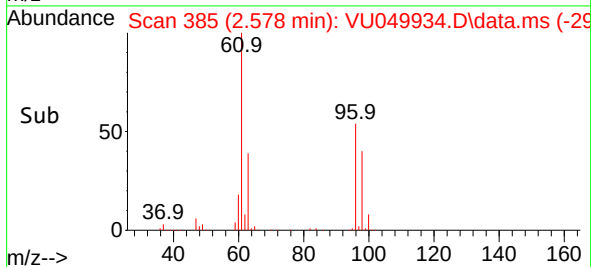
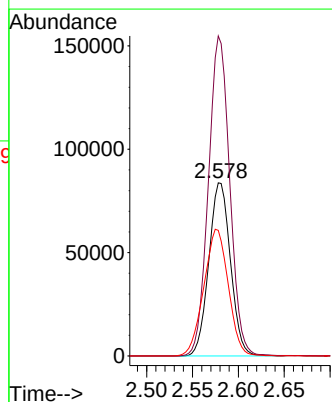
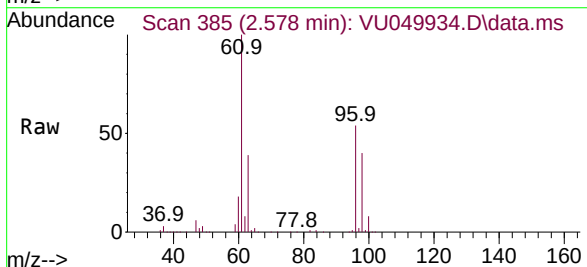
Instrument :
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 ClientSampleId :
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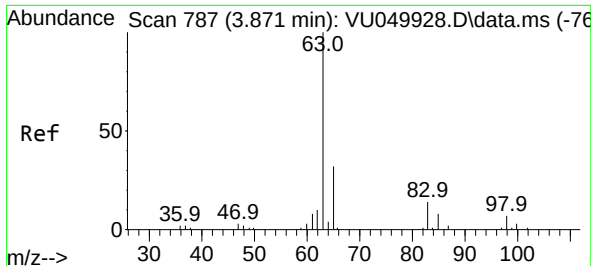
Tgt Ion:101 Resp: 601
 Ion Ratio Lower Upper
 101 100
 85 12.0 37.2 55.8#
 151 0.0 56.0 84.0#



#12
 1,1-Dichloroethene
 Concen: 26.068 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049934.D
 Acq: 27 Jul 2022 00:57

Tgt Ion: 96 Resp: 137929
 Ion Ratio Lower Upper
 96 100
 61 184.8 131.6 244.4
 63 72.6 100.0 185.6#

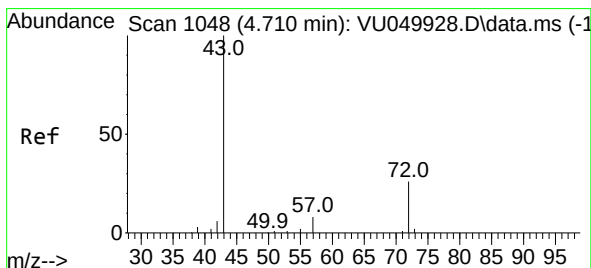
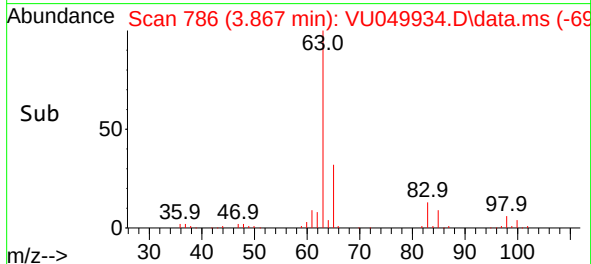
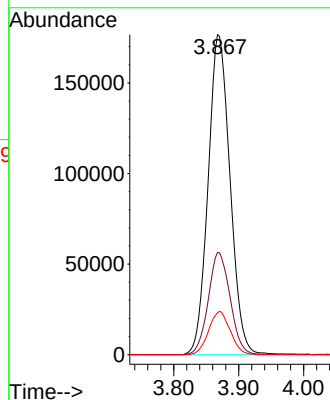
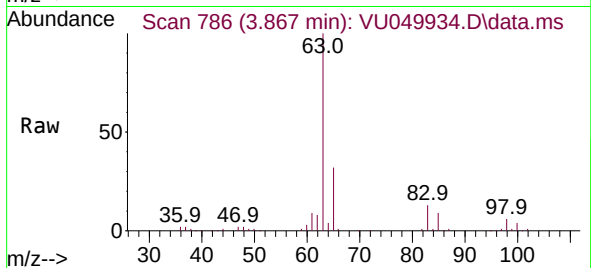




#19
1,1-Dichloroethane
Concen: 31.388 ug/L
RT: 3.867 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU049934.D
Acq: 27 Jul 2022 00:57

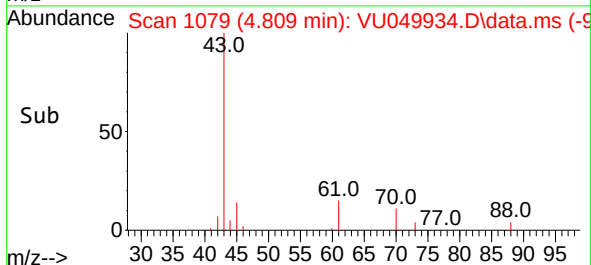
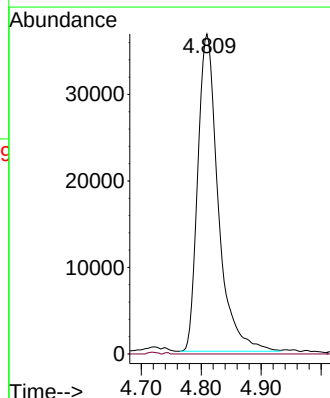
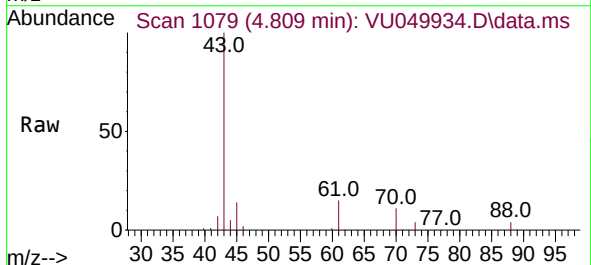
Instrument :
MSVOA_U
ClientSampleId :
GBJ28

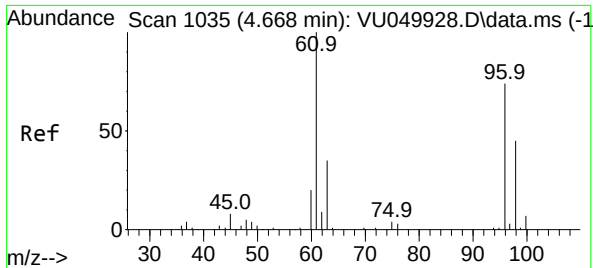
Tgt Ion: 63 Resp: 414902
Ion Ratio Lower Upper
63 100
65 31.9 22.5 41.9
83 13.1 8.3 15.5



#21
2-Butanone
Concen: 36.569 ug/L
RT: 4.809 min Scan# 1079
Delta R.T. 0.099 min
Lab File: VU049934.D
Acq: 27 Jul 2022 00:57

Tgt Ion: 43 Resp: 87015
Ion Ratio Lower Upper
43 100
72 0.1 11.9 35.5#

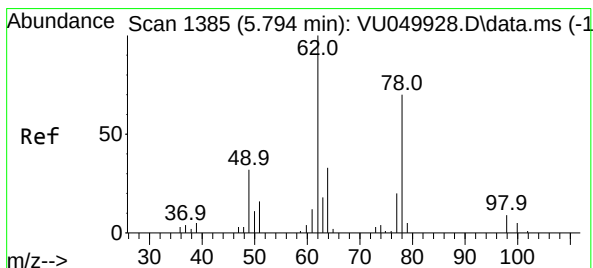
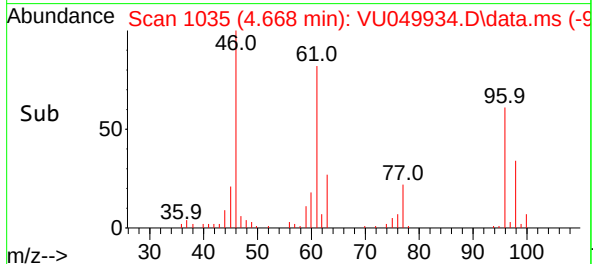
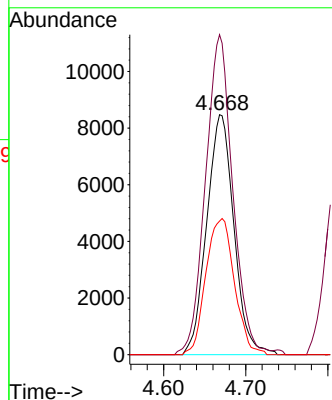
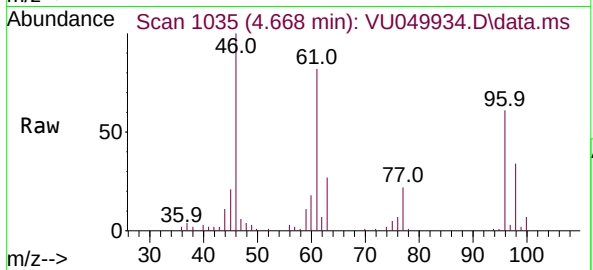




#22
 cis-1,2-Dichloroethene
 Concen: 2.753 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU049934.D
 Acq: 27 Jul 2022 00:57

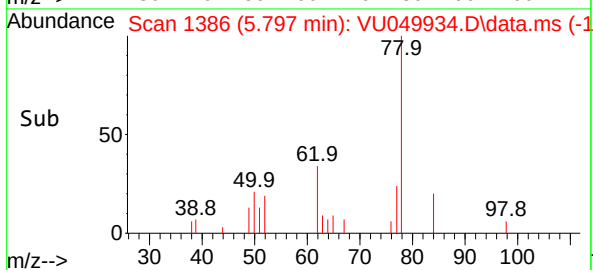
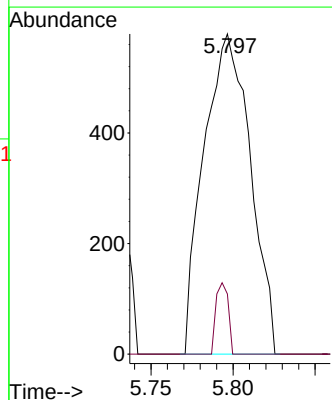
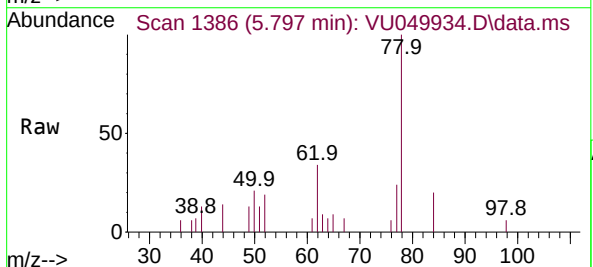
Instrument :
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 ClientSampleId :
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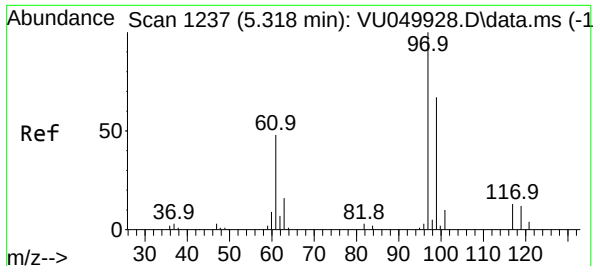
Tgt Ion:	96	Resp:	19503
Ion	Ratio	Lower	Upper
96	100		
61	133.3	93.9	174.3
98	55.7	43.9	81.5



#27
 1,2-Dichloroethane
 Concen: 0.118 ug/L
 RT: 5.797 min Scan# 1386
 Delta R.T. 0.003 min
 Lab File: VU049934.D
 Acq: 27 Jul 2022 00:57

Tgt Ion:	62	Resp:	1139
Ion	Ratio	Lower	Upper
62	100		
98	18.8	5.9	8.9#





#29

1,1,1-Trichloroethane

Concen: 99.270 ug/L

RT: 5.317 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049934.D

Acq: 27 Jul 2022 00:57

Instrument :

MSVOA_U

ClientSampleId :

GBJ28

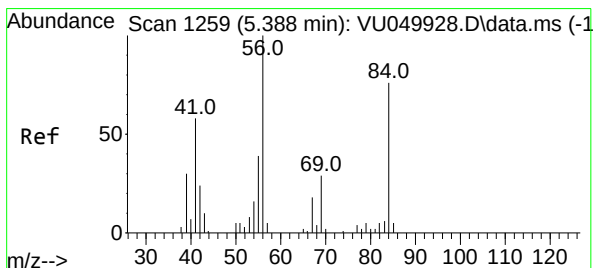
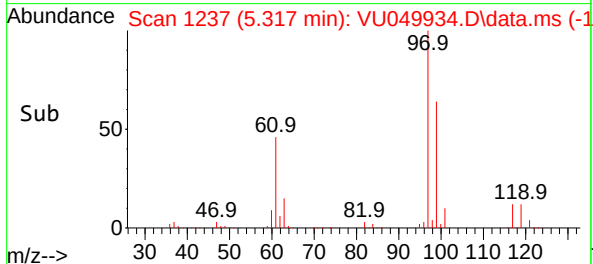
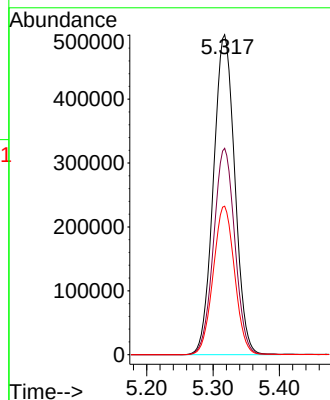
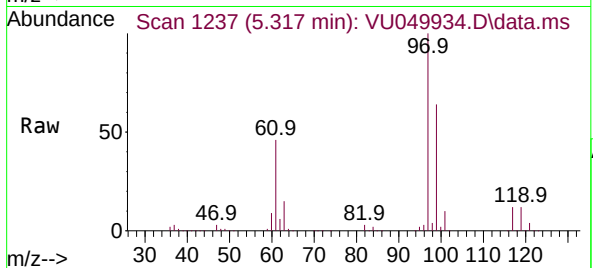
Tgt Ion: 97 Resp: 1120039

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 46.5 38.3 57.5



#30

Cyclohexane

Concen: 0.127 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU049934.D

Acq: 27 Jul 2022 00:57

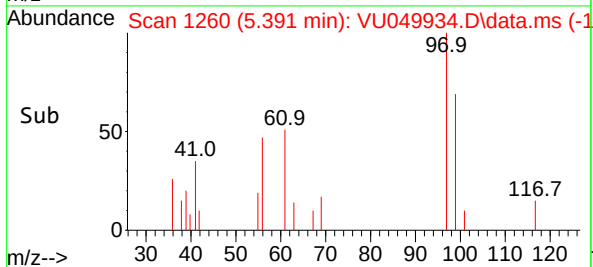
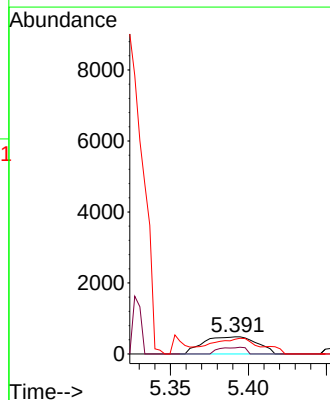
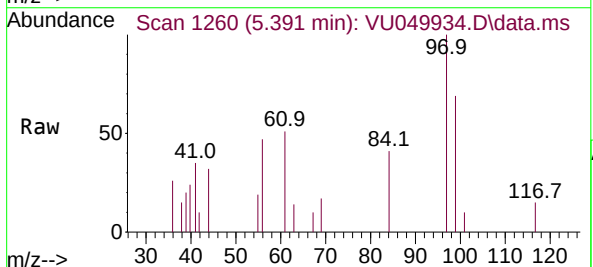
Tgt Ion: 56 Resp: 1158

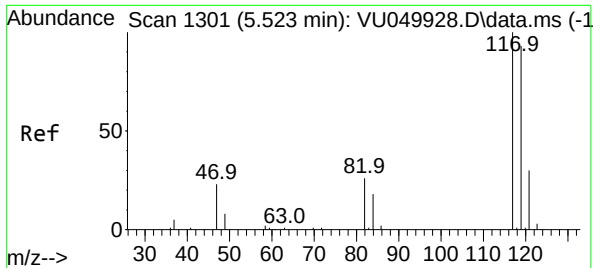
Ion Ratio Lower Upper

56 100

69 19.1 22.8 34.2#

84 83.4 63.0 94.6

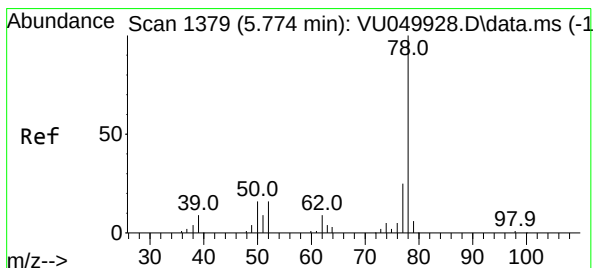
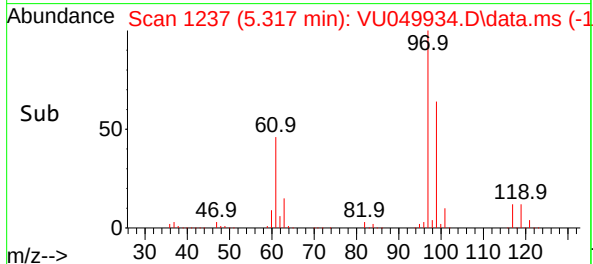
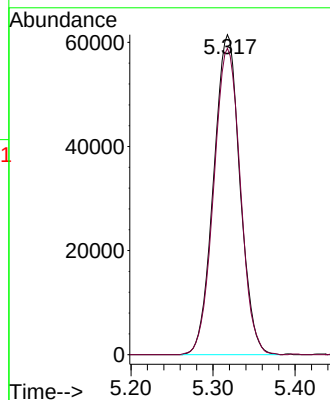
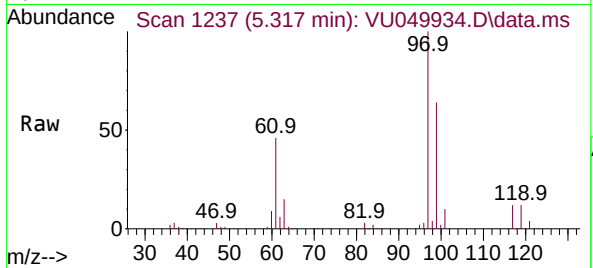




#31
Carbon tetrachloride
Concen: 14.985 ug/L
RT: 5.317 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU049934.D
Acq: 27 Jul 2022 00:57

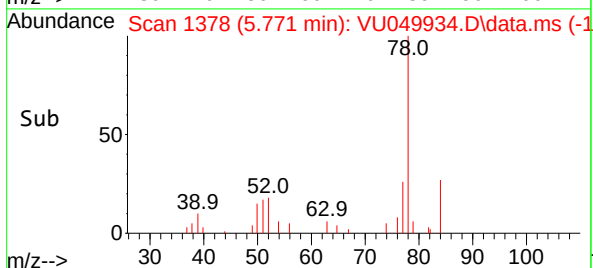
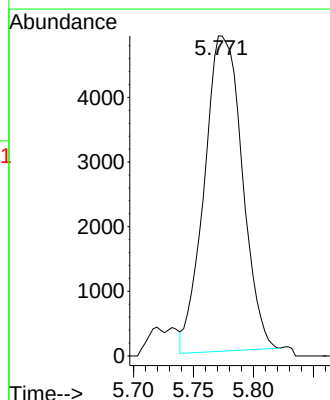
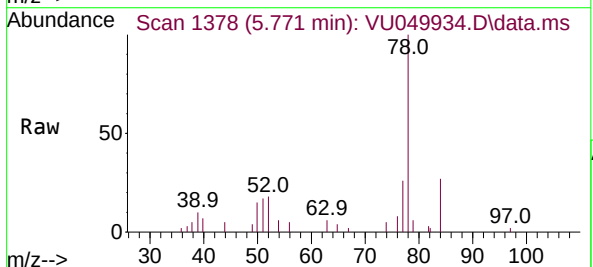
Instrument :
MSVOA_U
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GBJ28

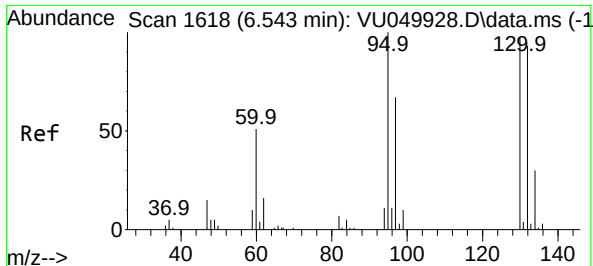
Tgt Ion:117 Resp: 137287
Ion Ratio Lower Upper
117 100
119 96.7 75.2 112.8



#33
Benzene
Concen: 0.369 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU049934.D
Acq: 27 Jul 2022 00:57

Tgt Ion: 78 Resp: 10750





#34

Trichloroethene

Concen: 5.063 ug/L

RT: 6.543 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049934.D

Acq: 27 Jul 2022 00:57

Instrument :

MSVOA_U

ClientSampleId :

GBJ28

Tgt Ion: 95 Resp: 35802

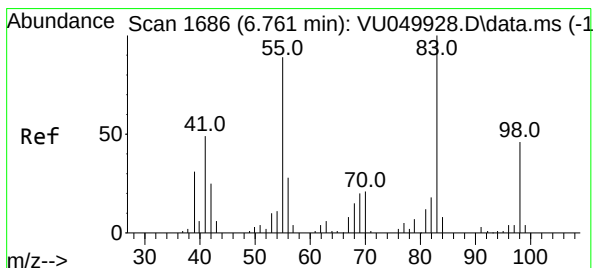
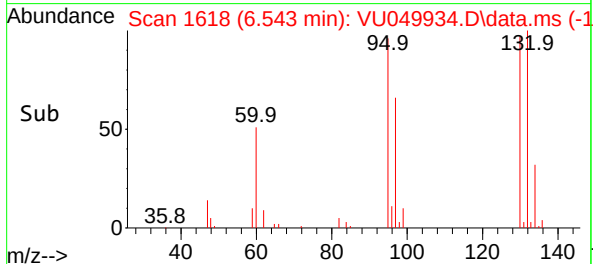
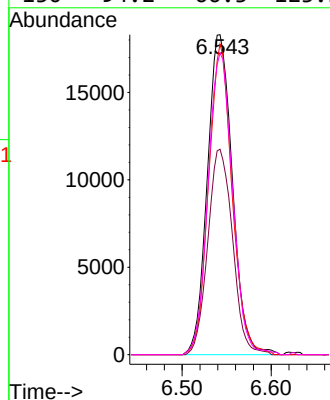
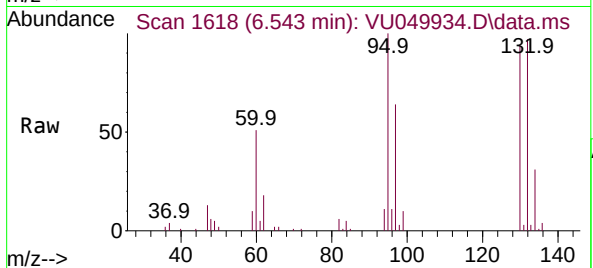
Ion Ratio Lower Upper

95 100

97 64.2 46.8 86.8

132 97.0 61.8 114.8

130 94.2 66.3 123.1



#35

Methylcyclohexane

Concen: 0.165 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU049934.D

Acq: 27 Jul 2022 00:57

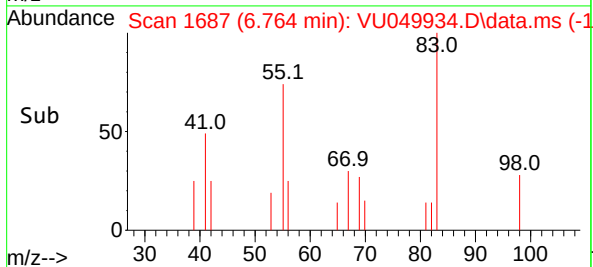
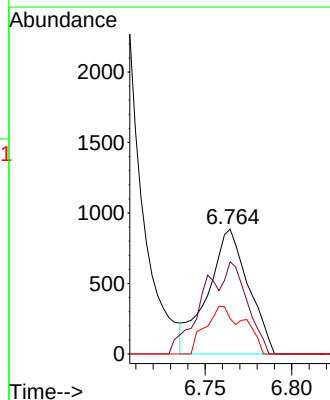
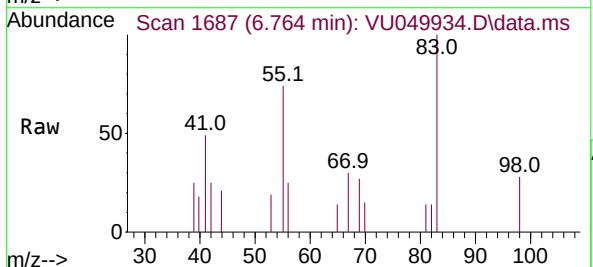
Tgt Ion: 83 Resp: 1437

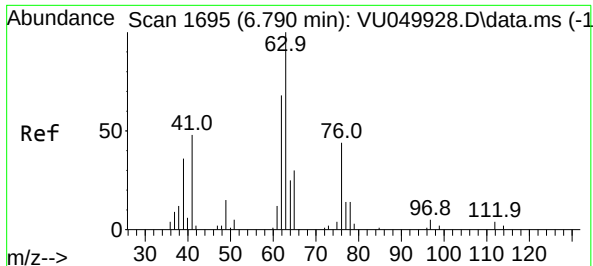
Ion Ratio Lower Upper

83 100

55 43.1 69.0 103.4#

98 36.3 36.4 54.6#





#37

1,2-Dichloropropane

Concen: 0.617 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.097 min

Lab File: VU049934.D

Acq: 27 Jul 2022 00:57

Instrument :

MSVOA_U

ClientSampleId :

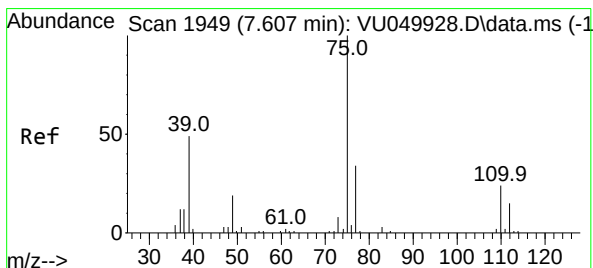
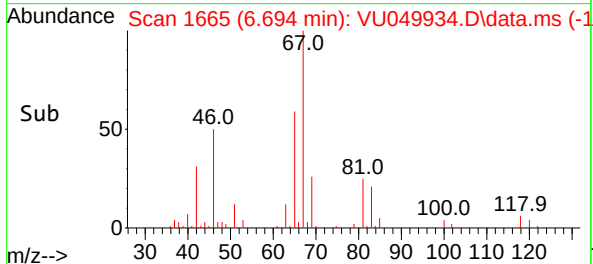
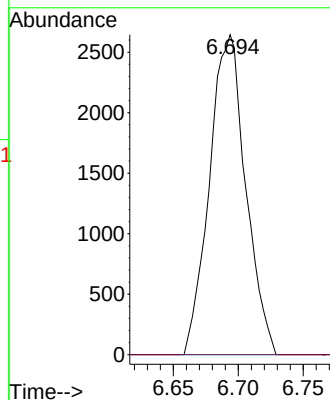
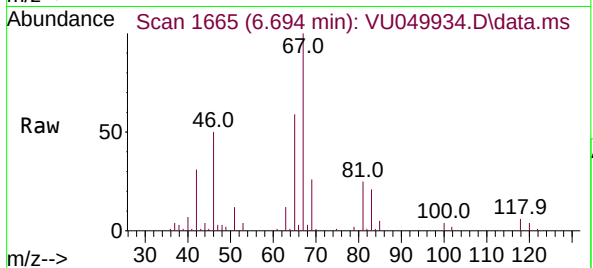
GBJ28

Tgt Ion: 63 Resp: 5125

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.575 min Scan# 1939

Delta R.T. -0.032 min

Lab File: VU049934.D

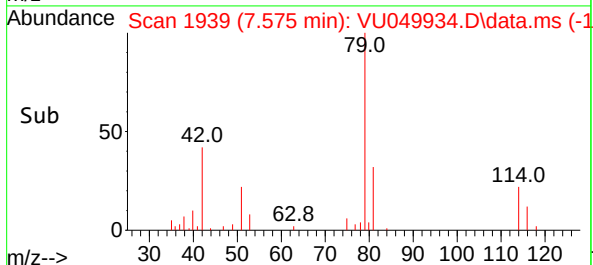
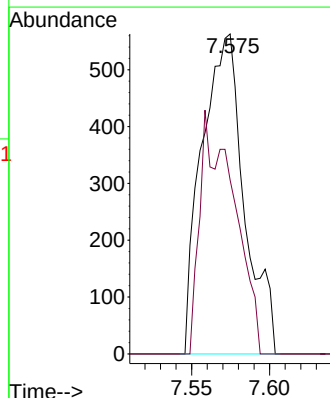
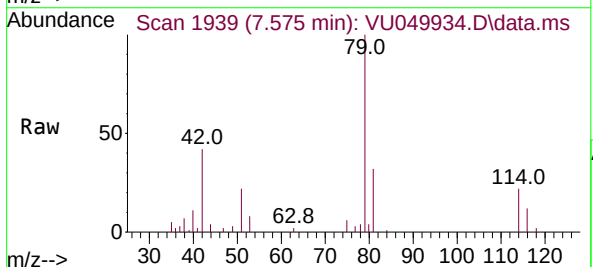
Acq: 27 Jul 2022 00:57

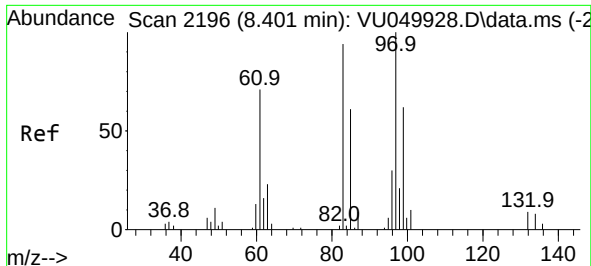
Tgt Ion: 75 Resp: 1065

Ion Ratio Lower Upper

75 100

77 54.4 21.6 40.0#



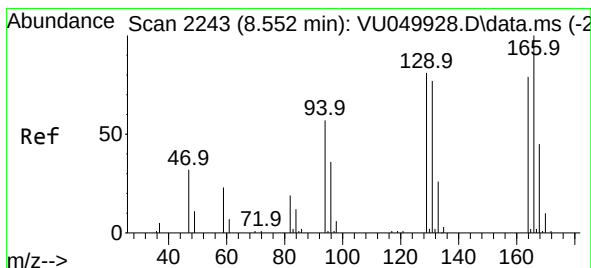
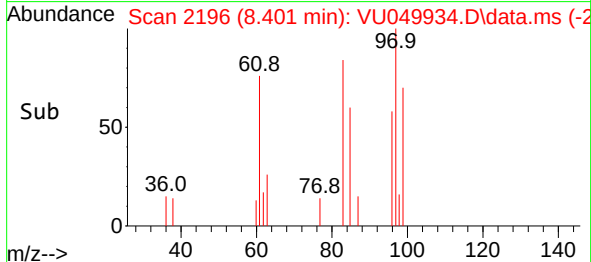
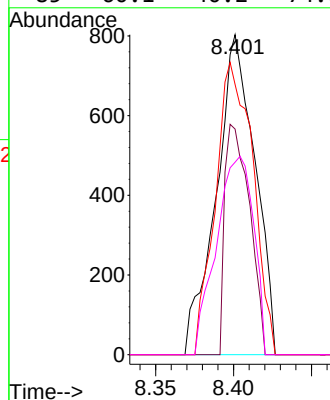
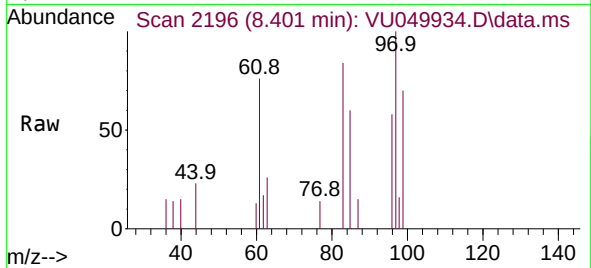


#45
1,1,2-Trichloroethane
Concen: 0.234 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU049934.D
Acq: 27 Jul 2022 00:57

Instrument :
MSVOA_U
ClientSampleId :
GBJ28

Tgt Ion: 97 Resp: 1387

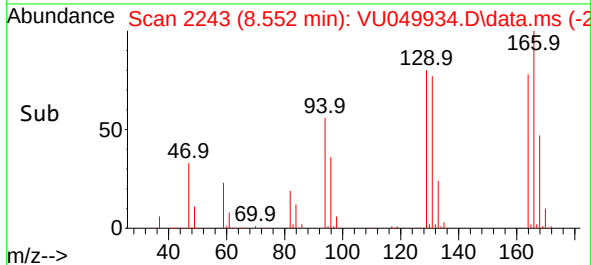
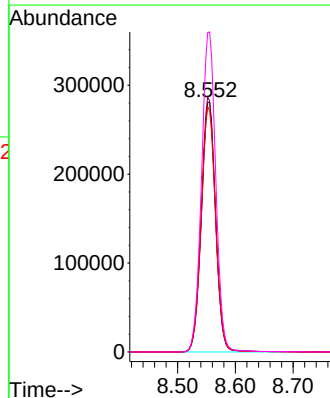
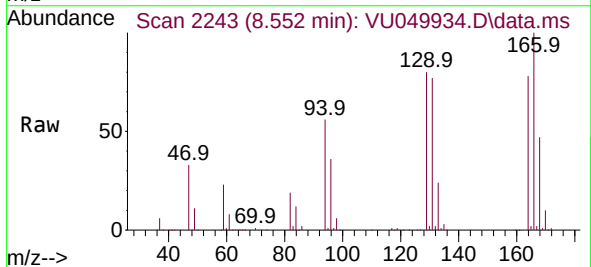
Ion	Ratio	Lower	Upper
97	100		
99	70.5	43.8	81.3
83	84.4	62.4	115.8
85	60.1	40.2	74.6

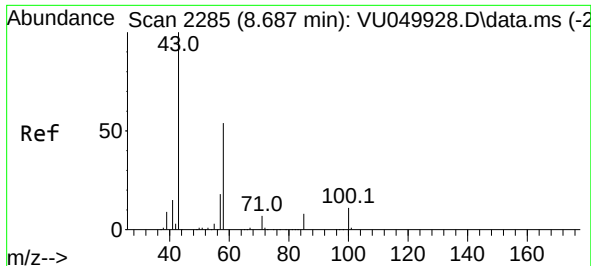


#47
Tetrachloroethene
Concen: 99.288 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049934.D
Acq: 27 Jul 2022 00:57

Tgt Ion: 164 Resp: 483305

Ion	Ratio	Lower	Upper
164	100		
129	102.0	68.9	127.9
131	98.0	67.5	125.4
166	127.9	89.2	165.8

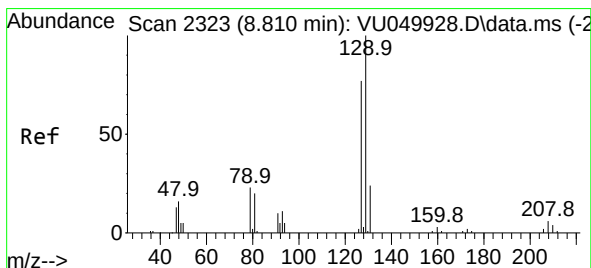
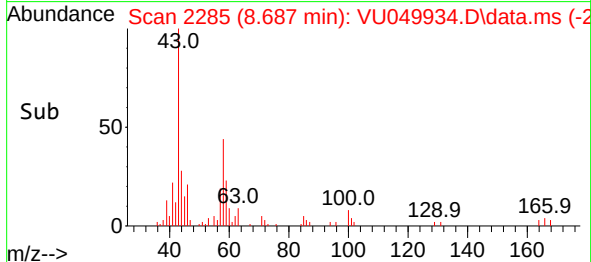
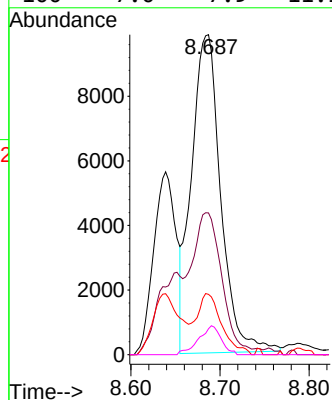
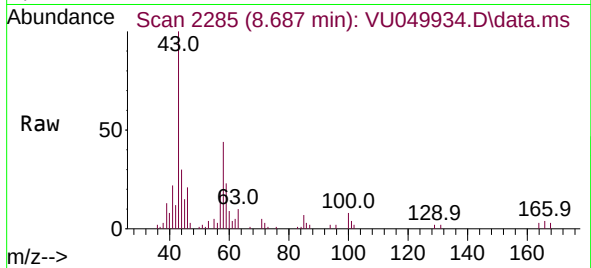




#48
2-Hexanone
Concen: 5.207 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049934.D
Acq: 27 Jul 2022 00:57

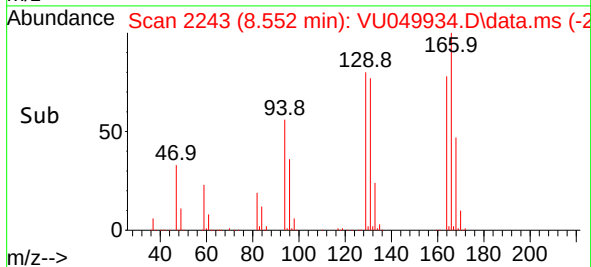
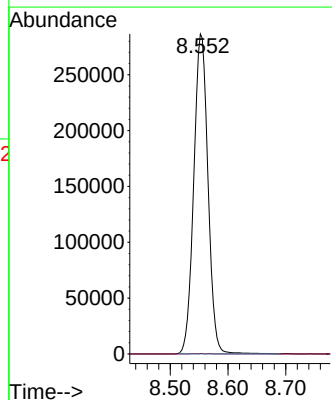
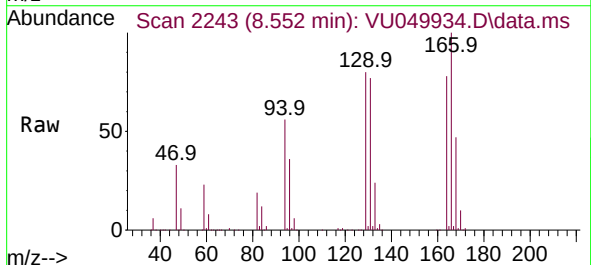
Instrument :
MSVOA_U
ClientSampleId :
GBJ28

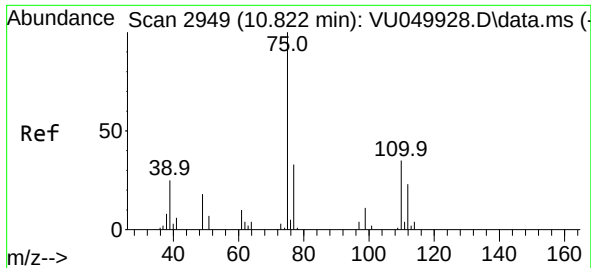
Tgt Ion: 43	Resp: 22534
Ion Ratio	Lower Upper
43 100	
58 44.6	42.1 63.1
57 15.8	14.3 21.5
100 7.0	7.9 11.9#



#49
Dibromochloromethane
Concen: 73.543 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU049934.D
Acq: 27 Jul 2022 00:57

Tgt Ion:129	Resp: 487637		
Ion Ratio	Lower	Upper	
129 100			
127 0.1	50.5	93.7#	





#61

1,2,3-Trichloropropane

Concen: 1.121 ug/L

RT: 11.812 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU049934.D

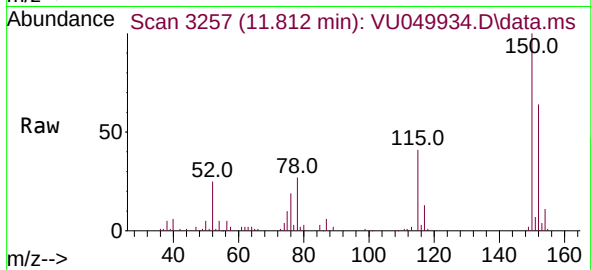
Acq: 27 Jul 2022 00:57

Instrument :

MSVOA_U

ClientSampleId :

GBJ28



Tgt Ion: 75 Resp: 5078

Ion Ratio Lower Upper

75 100

110 0.0 28.0 42.0#

77 28.2 25.4 38.2

