

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072522\
 Data File : VU049896.D
 Acq On : 26 Jul 2022 03:53
 Operator : SY/MD
 Sample : N3870-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ12

Quant Time: Jul 26 06:50:47 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	82626	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	78273	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	32957	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	29766	4.450	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	89.000%	
7) Chloroethane-d5	1.912	69	27593	4.929	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	98.600%	
11) 1,1-Dichloroethene-d2	2.565	65	13661	4.575	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	91.600%	
20) 2-Butanone-d5	4.636	46	136751	56.817	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	113.640%	
24) Chloroform-d	5.063	84	72112	4.840	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.800%	
26) 1,2-Dichloroethane-d4	5.703	65	41924	4.799	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.000%	
32) Benzene-d6	5.726	84	129152	4.842	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.800%	
36) 1,2-Dichloropropane-d6	6.690	67	46739	5.072	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.400%	
41) Toluene-d8	7.899	98	102733	4.406	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.200%	
43) trans-1,3-Dichloroprop...	8.179	79	13785	4.121	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	82.400%	
46) 2-Hexanone-d5	8.636	63	65397	49.332	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	98.660%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40759	5.267	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	105.400%	
66) 1,2-Dichlorobenzene-d4	12.192	152	36040	5.298	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	2853	0.327	ug/L	99
3) Chloromethane	1.520	50	2429	0.226	ug/L	98
5) Vinyl chloride	1.600	62	1787	0.199	ug/L #	77
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	253064	46.902	ug/L	99
12) 1,1-Dichloroethene	2.575	96	8215	1.505	ug/L #	10
13) Acetone	2.649	43	300800	207.781	ug/L	98
14) Carbon disulfide	2.793	76	2831	0.168	ug/L	96
18) trans-1,2-Dichloroethene	3.356	96	2196	0.348	ug/L	97
19) 1,1-Dichloroethane	3.870	63	6043	0.443	ug/L	91
21) 2-Butanone	4.719	43	15126	6.161	ug/L	94
22) cis-1,2-Dichloroethene	4.668	96	363821	49.774	ug/L	96
29) 1,1,1-Trichloroethane	5.317	97	1675	0.152	ug/L #	72
34) Trichloroethene	6.542	95	1984862	288.223	ug/L	98
35) Methylcyclohexane	6.690	83	10753	1.266	ug/L #	16
37) 1,2-Dichloropropane	6.690	63	5169	0.639	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	1003	0.094	ug/L	99
47) Tetrachloroethene	8.552	164	26326	5.553	ug/L	99
48) 2-Hexanone	8.687	43	20736	4.920	ug/L #	98
49) Dibromochloromethane	8.552	129	26027	4.031	ug/L #	14

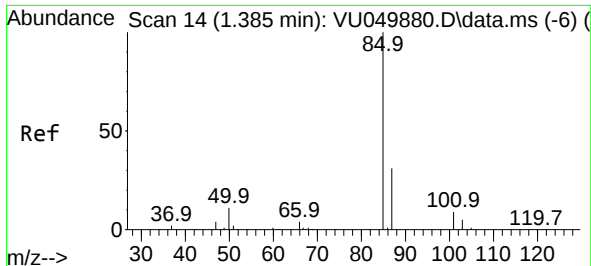
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072522\
Data File : VU049896.D
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jul 26 06:46:04 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.812	75	5314	1.210	ug/L #	67
67) 1,2-Dichlorobenzene	12.214	146	989	0.093	ug/L #	90

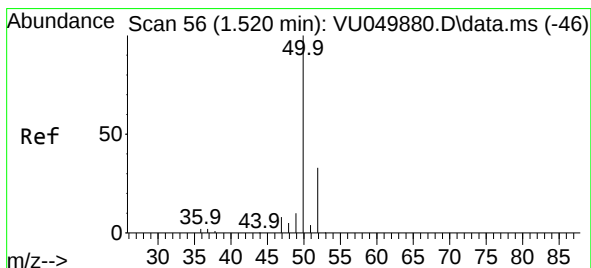
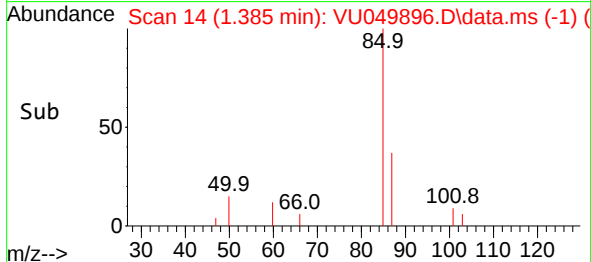
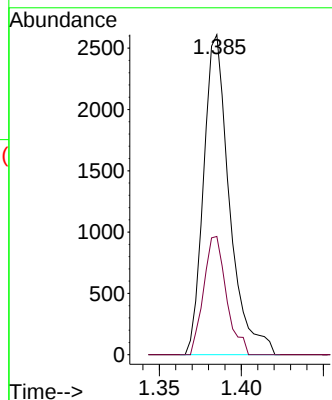
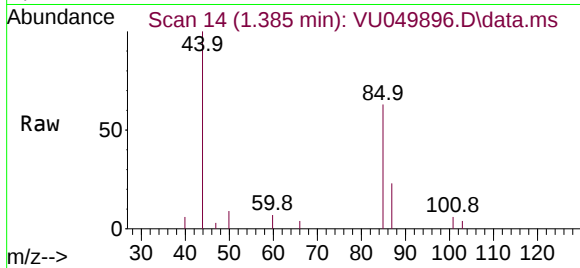
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.327 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

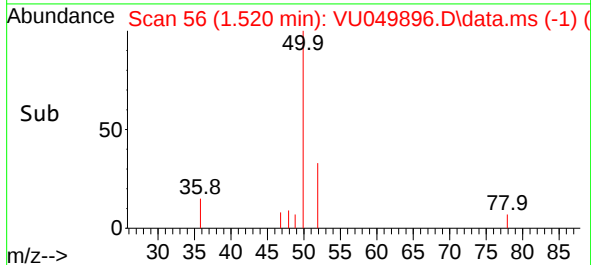
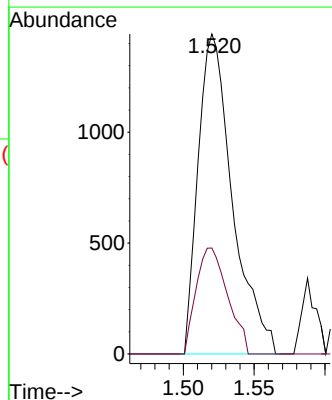
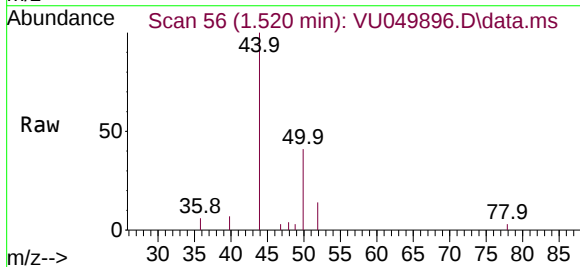
Instrument :
MSVOA_U
ClientSampleId :
GBJ12

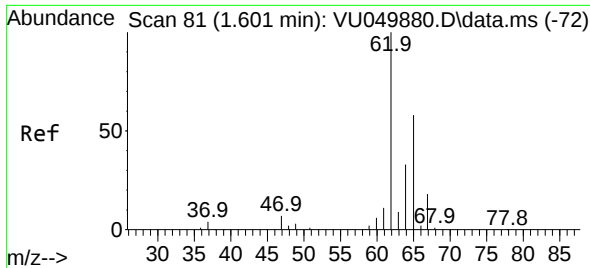
Tgt Ion: 85 Resp: 2853
Ion Ratio Lower Upper
85 100
87 32.6 25.4 38.2



#3
Chloromethane
Concen: 0.226 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

Tgt Ion: 50 Resp: 2429
Ion Ratio Lower Upper
50 100
52 33.1 22.5 41.7

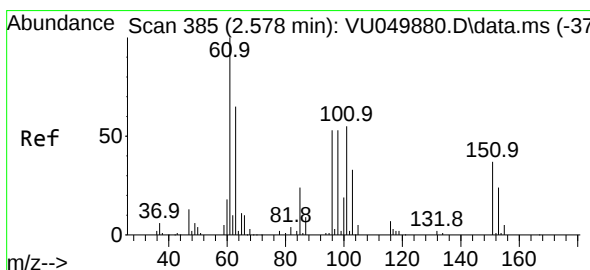
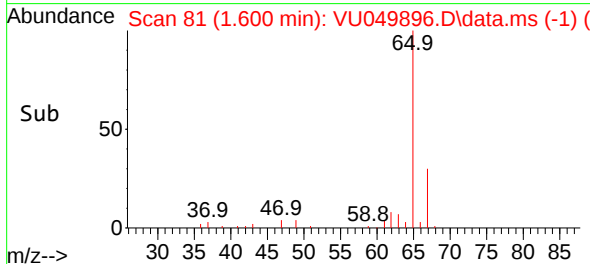
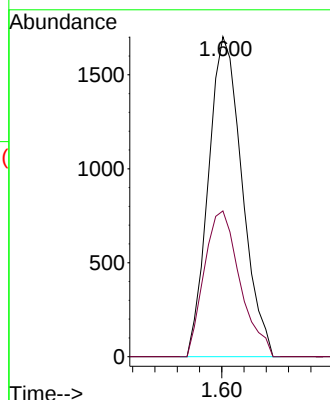
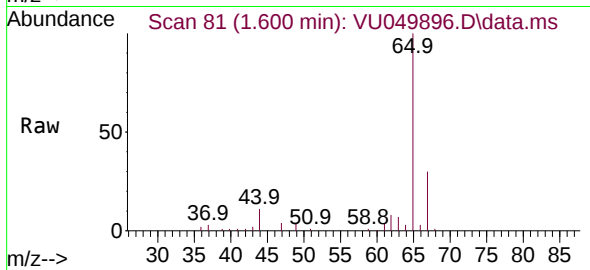




#5
 Vinyl chloride
 Concen: 0.199 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049896.D
 Acq: 26 Jul 2022 03:53

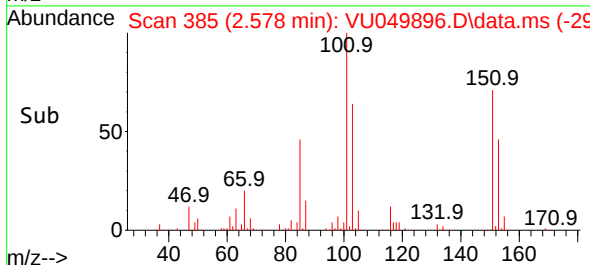
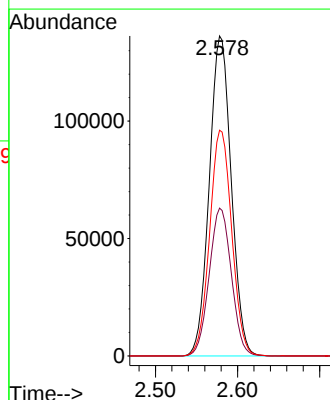
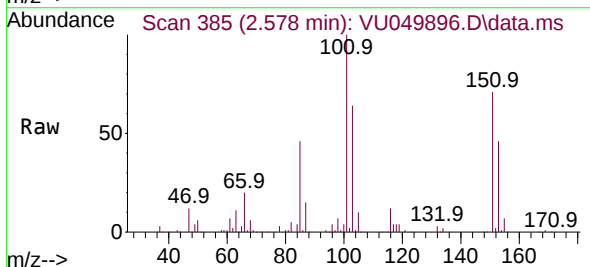
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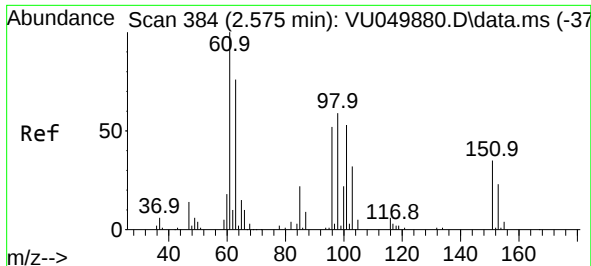
Tgt Ion: 62 Resp: 1787
 Ion Ratio Lower Upper
 62 100
 64 45.6 22.7 42.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.902 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049896.D
 Acq: 26 Jul 2022 03:53

Tgt Ion: 101 Resp: 253064
 Ion Ratio Lower Upper
 101 100
 85 46.6 37.2 55.8
 151 71.1 56.0 84.0





#12

1,1-Dichloroethene

Concen: 1.505 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU049896.D

Acq: 26 Jul 2022 03:53

Instrument :

MSVOA_U

ClientSampleId :

GBJ12

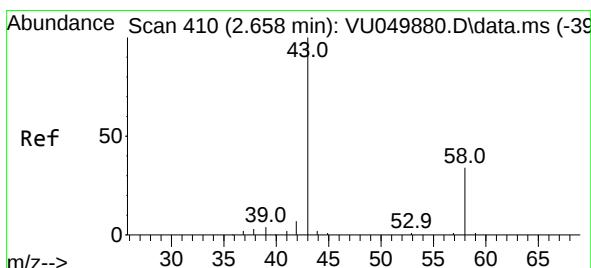
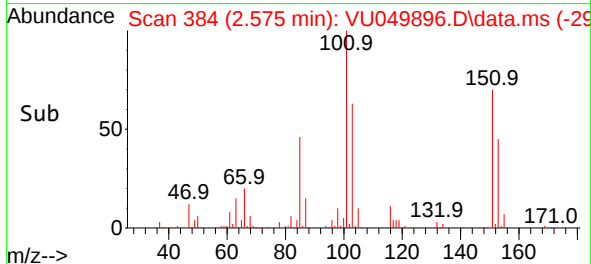
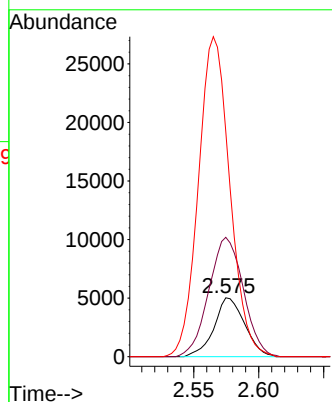
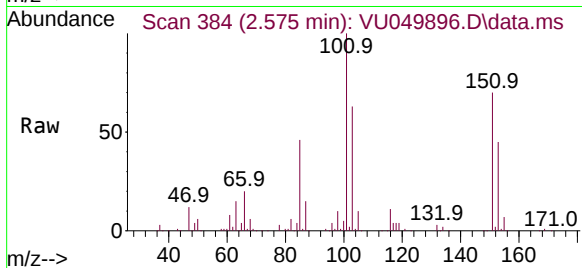
Tgt Ion: 96 Resp: 8215

Ion Ratio Lower Upper

96 100

61 202.9 131.6 244.4

63 382.6 100.0 185.6#



#13

Acetone

Concen: 207.781 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.010 min

Lab File: VU049896.D

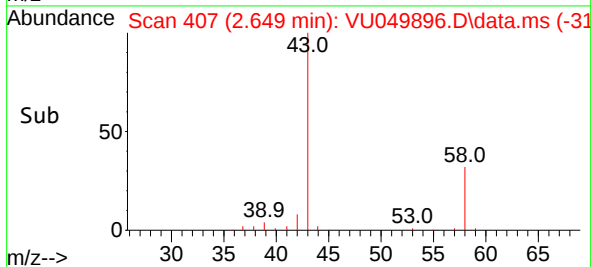
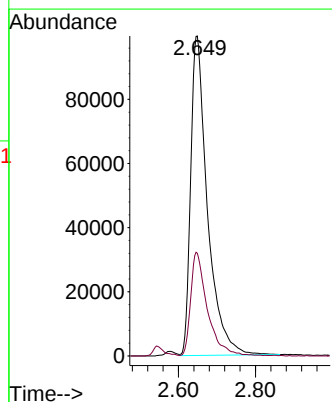
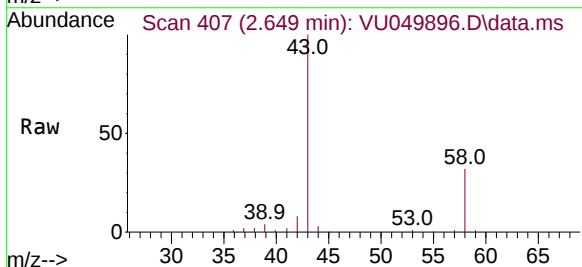
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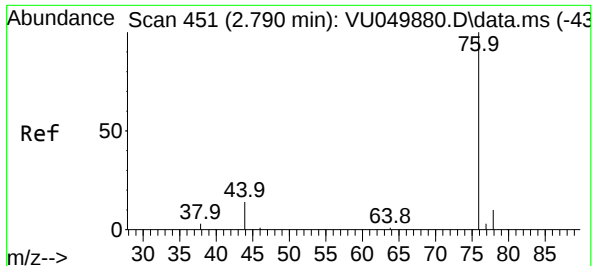
Tgt Ion: 43 Resp: 300800

Ion Ratio Lower Upper

43 100

58 31.6 0.0 61.0

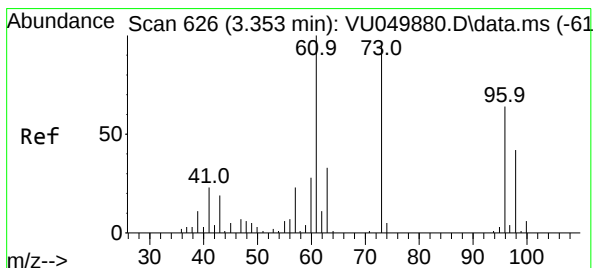
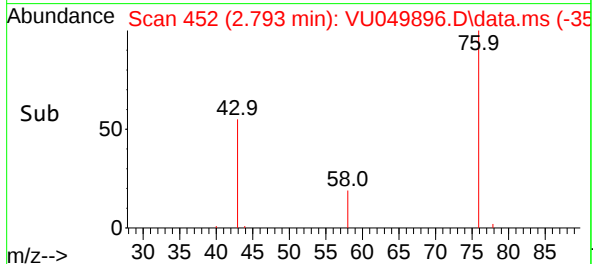
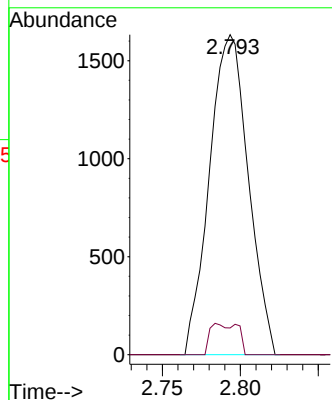
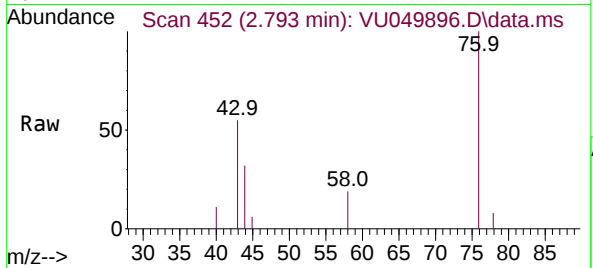




#14
Carbon disulfide
Concen: 0.168 ug/L
RT: 2.793 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

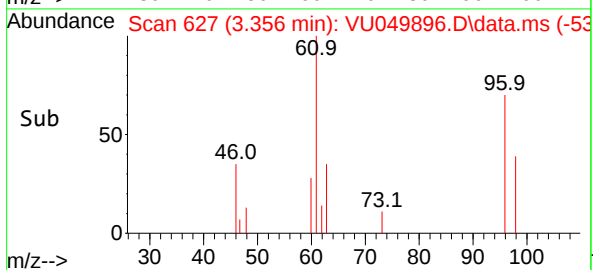
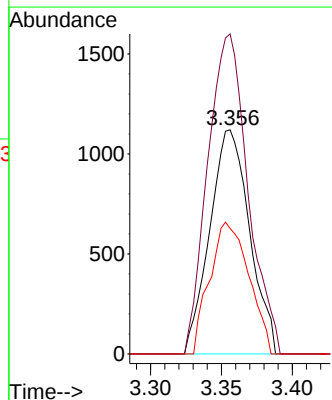
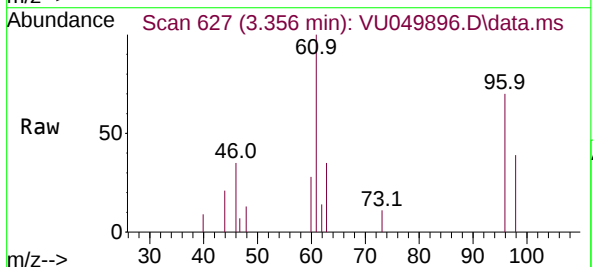
Instrument :
MSVOA_U
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GBJ12

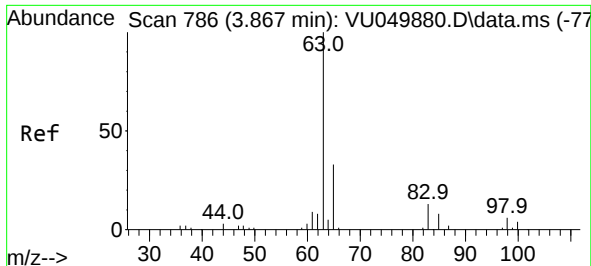
Tgt Ion: 76 Resp: 2831
Ion Ratio Lower Upper
76 100
78 8.3 7.8 11.6



#18
trans-1,2-Dichloroethene
Concen: 0.348 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

Tgt Ion: 96 Resp: 2196
Ion Ratio Lower Upper
96 100
61 142.7 101.5 188.5
98 55.9 42.5 78.9





#19

1,1-Dichloroethane

Concen: 0.443 ug/L

RT: 3.870 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU049896.D

Acq: 26 Jul 2022 03:53

Instrument :

MSVOA_U

ClientSampleId :

GBJ12

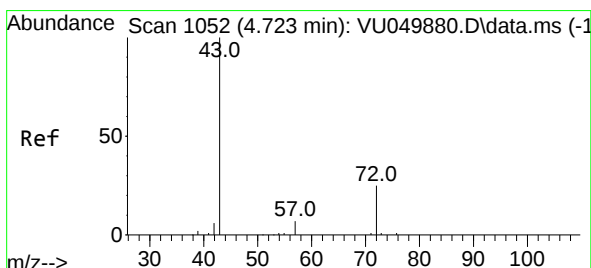
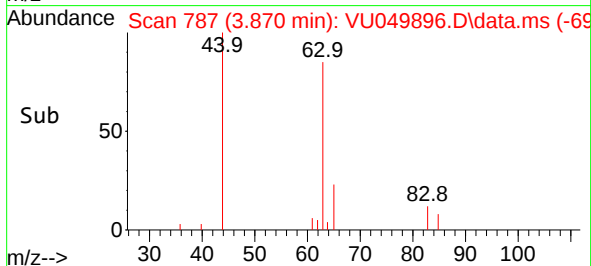
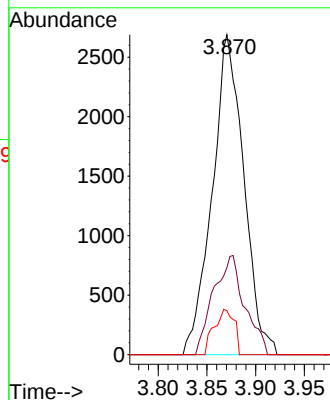
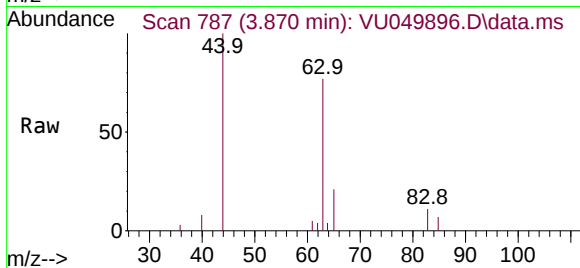
Tgt Ion: 63 Resp: 6043

Ion Ratio Lower Upper

63 100

65 25.9 22.5 41.9

83 13.0 8.3 15.5



#21

2-Butanone

Concen: 6.161 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.003 min

Lab File: VU049896.D

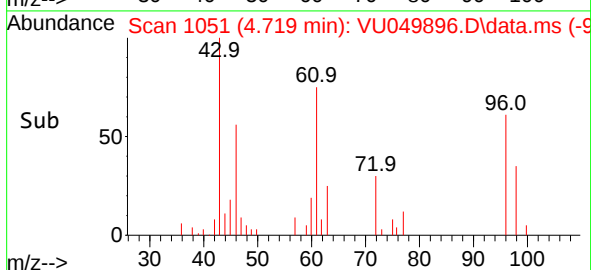
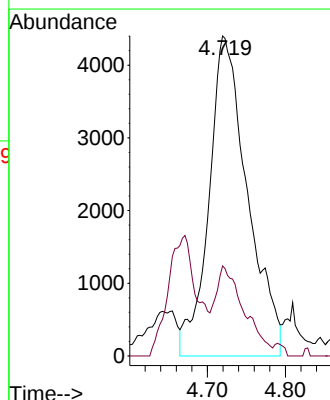
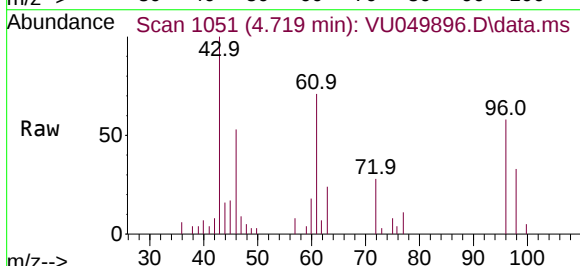
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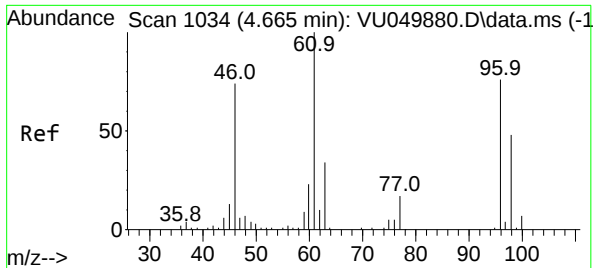
Tgt Ion: 43 Resp: 15126

Ion Ratio Lower Upper

43 100

72 20.9 11.9 35.5

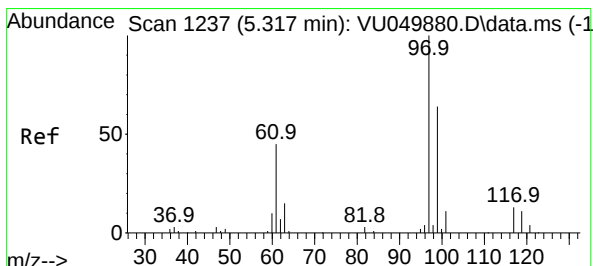
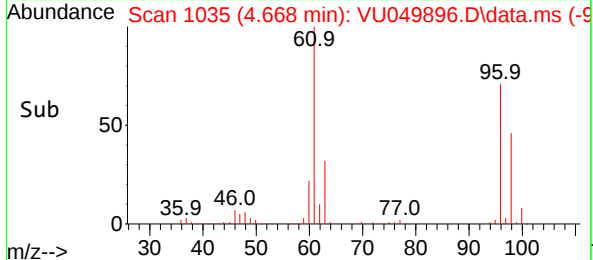
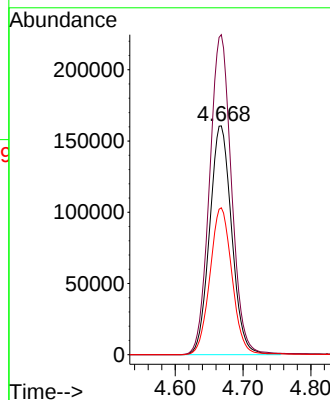
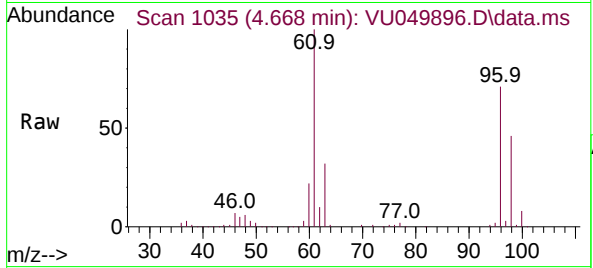




#22
 cis-1,2-Dichloroethene
 Concen: 49.774 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.003 min
 Lab File: VU049896.D
 Acq: 26 Jul 2022 03:53

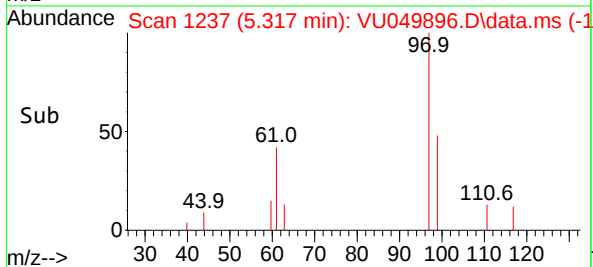
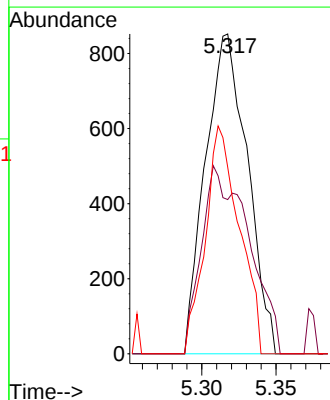
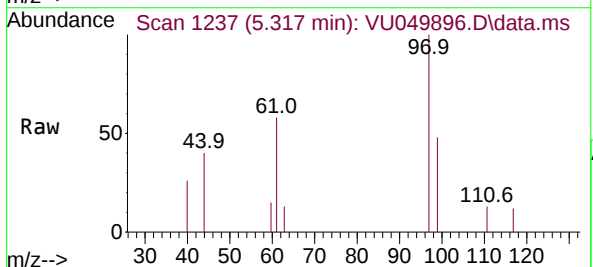
Instrument :
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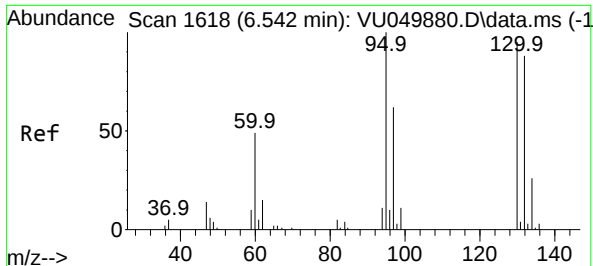
Tgt Ion: 96 Resp: 363821
 Ion Ratio Lower Upper
 96 100
 61 139.9 93.9 174.3
 98 64.2 43.9 81.5



#29
 1,1,1-Trichloroethane
 Concen: 0.152 ug/L
 RT: 5.317 min Scan# 1237
 Delta R.T. -0.000 min
 Lab File: VU049896.D
 Acq: 26 Jul 2022 03:53

Tgt Ion: 97 Resp: 1675
 Ion Ratio Lower Upper
 97 100
 99 35.4 51.8 77.8#
 61 57.6 38.3 57.5#



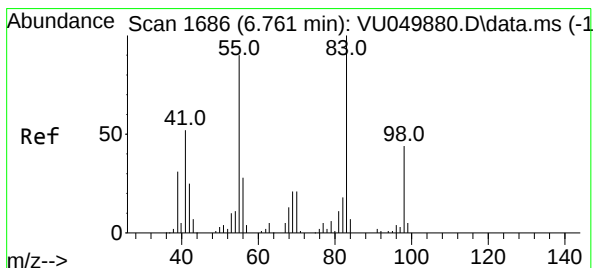
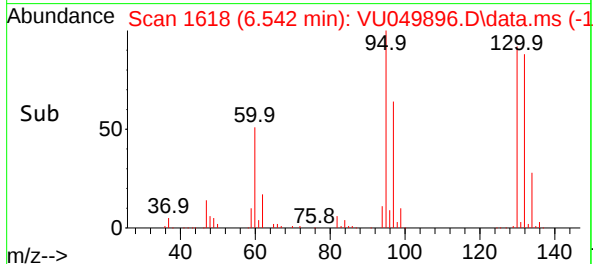
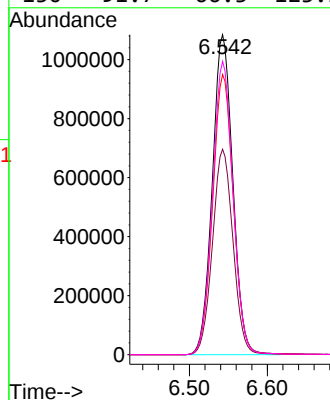
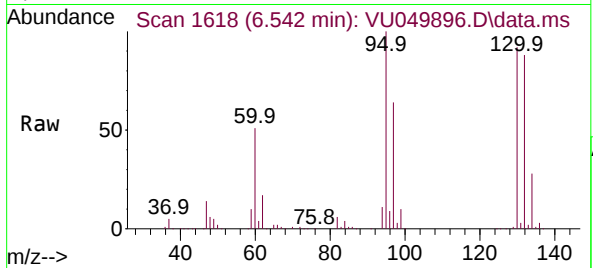


#34
Trichloroethene
Concen: 288.223 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

Instrument :
MSVOA_U
ClientSampleId :
GBJ12

Tgt Ion: 95 Resp: 1984862

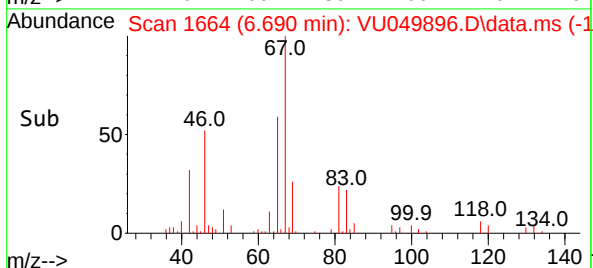
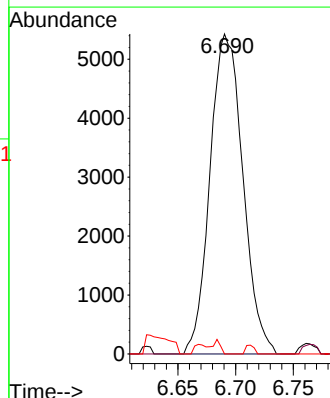
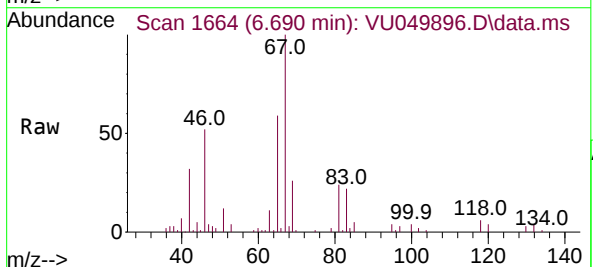
Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.8	86.8
132	87.6	61.8	114.8
130	91.7	66.3	123.1

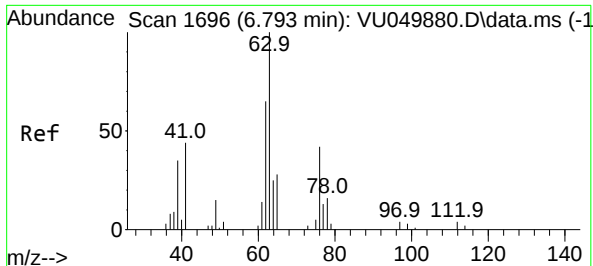


#35
Methylcyclohexane
Concen: 1.266 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

Tgt Ion: 83 Resp: 10753

Ion	Ratio	Lower	Upper
83	100		
55	1.2	69.0	103.4#
98	0.0	36.4	54.6#





#37

1,2-Dichloropropane

Concen: 0.639 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU049896.D

Acq: 26 Jul 2022 03:53

Instrument :

MSVOA_U

ClientSampleId :

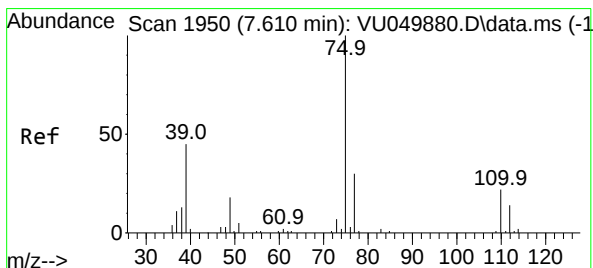
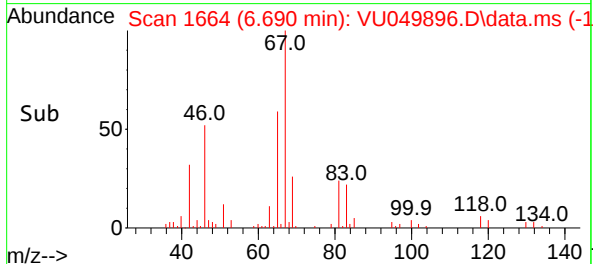
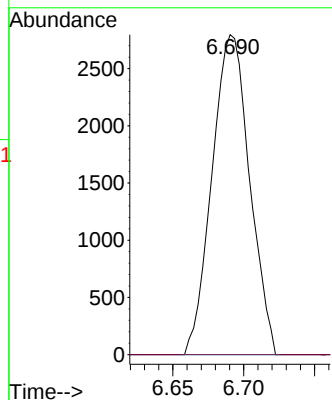
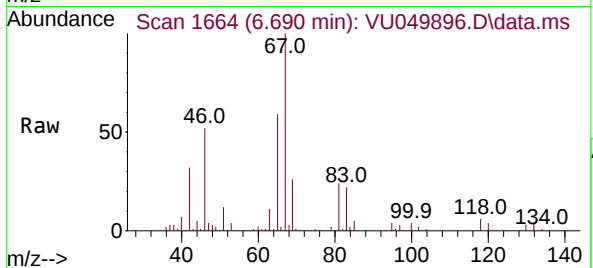
GBJ12

Tgt Ion: 63 Resp: 5169

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU049896.D

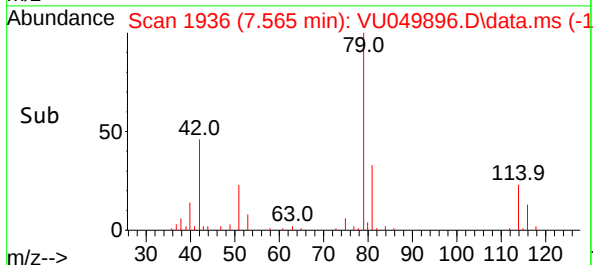
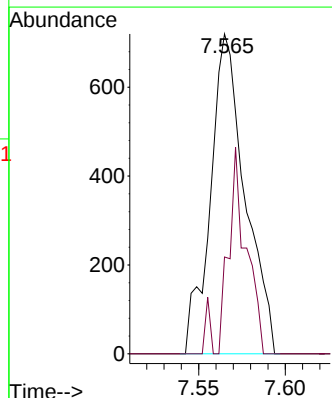
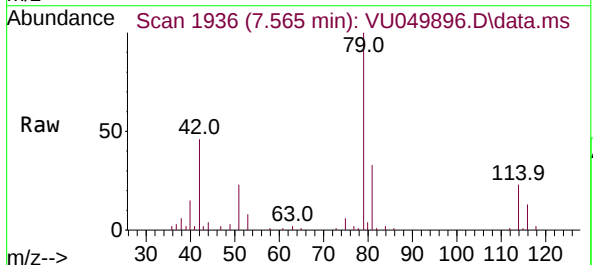
Acq: 26 Jul 2022 03:53

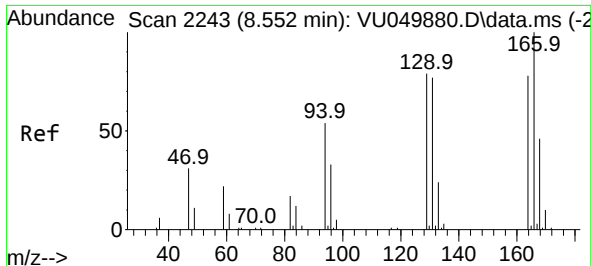
Tgt Ion: 75 Resp: 1003

Ion Ratio Lower Upper

75 100

77 30.3 21.6 40.0

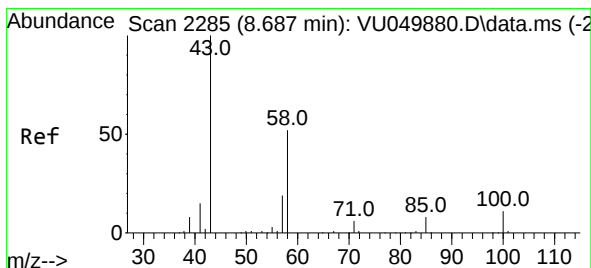
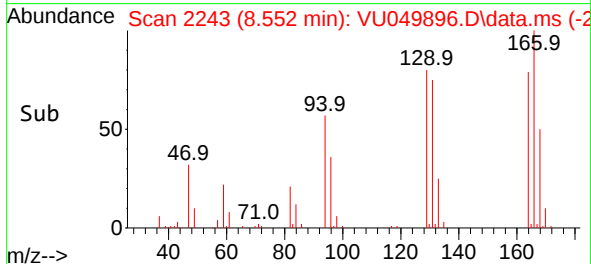
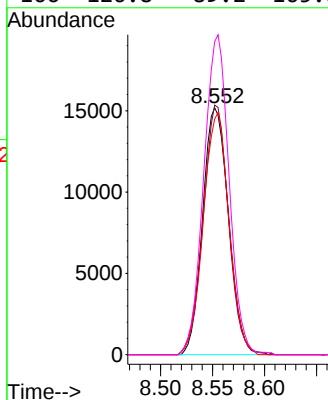
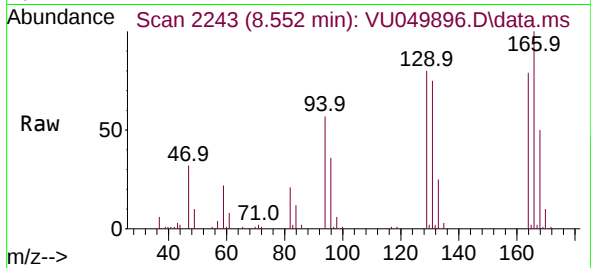




#47
Tetrachloroethene
Concen: 5.553 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

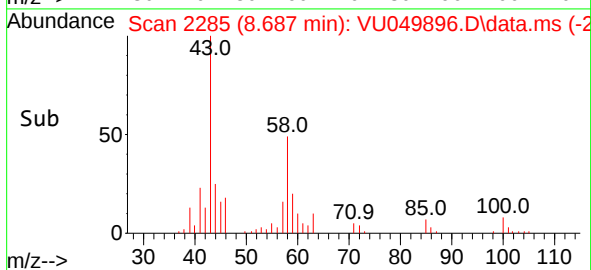
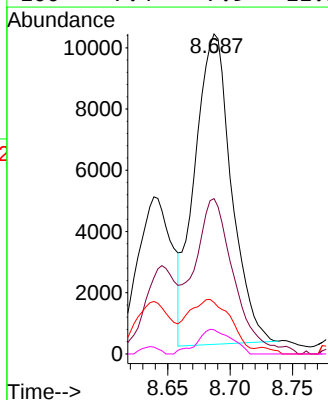
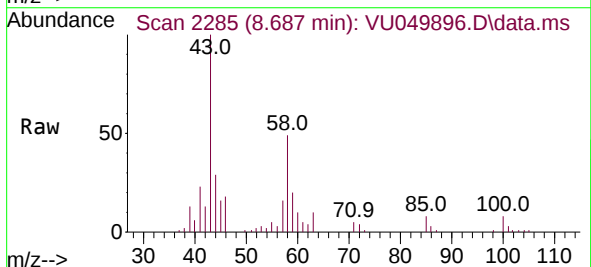
Instrument :
MSVOA_U
ClientSampleId :
GBJ12

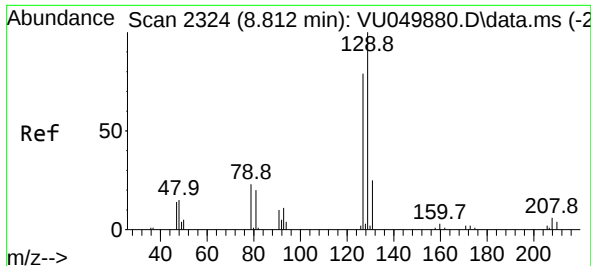
Tgt Ion:164	Resp:	26326
Ion	Ratio	Lower Upper
164	100	
129	101.1	68.9 127.9
131	95.5	67.5 125.4
166	126.8	89.2 165.8



#48
2-Hexanone
Concen: 4.920 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

Tgt Ion: 43	Resp:	20736
Ion	Ratio	Lower Upper
43	100	
58	52.9	42.1 63.1
57	20.7	14.3 21.5
100	7.4	7.9 11.9

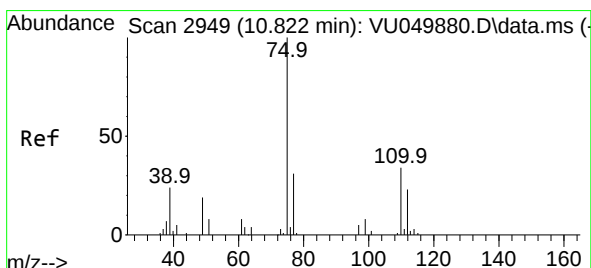
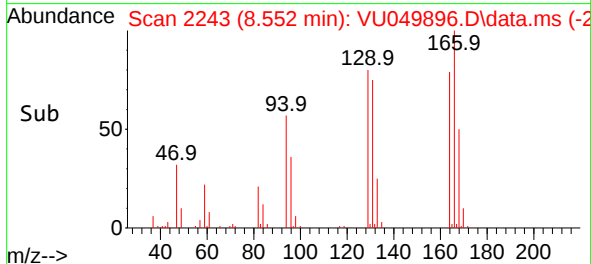
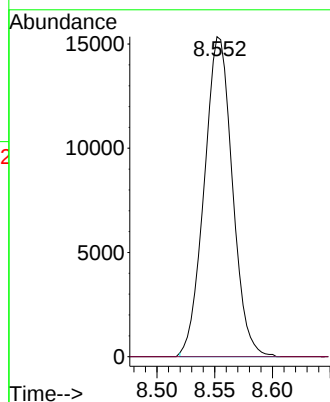
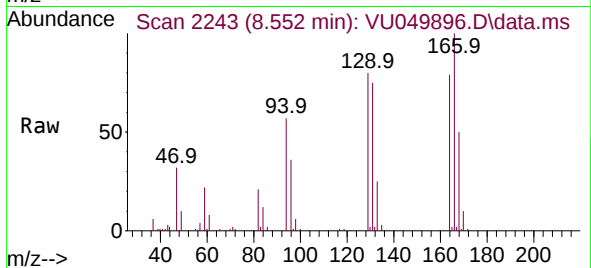




#49
Dibromochloromethane
Concen: 4.031 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

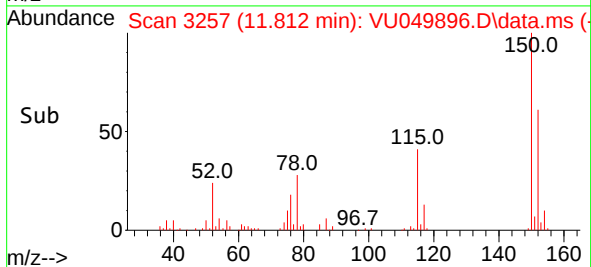
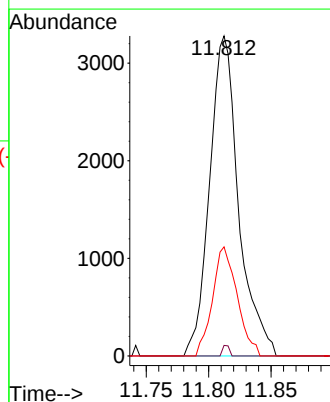
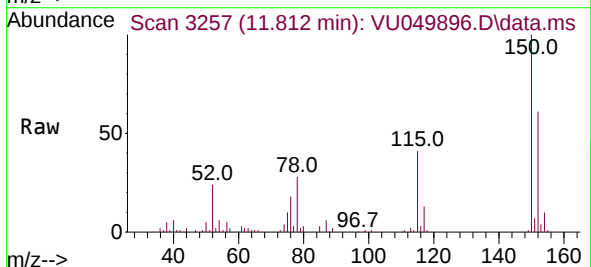
Instrument :
MSVOA_U
ClientSampleId :
GBJ12

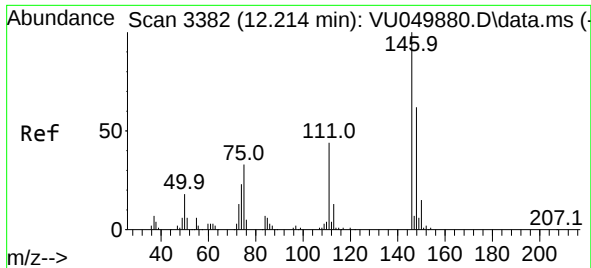
Tgt Ion:129 Resp: 26027
Ion Ratio Lower Upper
129 100
127 0.0 50.5 93.7#



#61
1,2,3-Trichloropropane
Concen: 1.210 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.990 min
Lab File: VU049896.D
Acq: 26 Jul 2022 03:53

Tgt Ion: 75 Resp: 5314
Ion Ratio Lower Upper
75 100
110 0.8 28.0 42.0#
77 29.0 25.4 38.2





#67

1,2-Dichlorobenzene

Concen: 0.093 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU049896.D

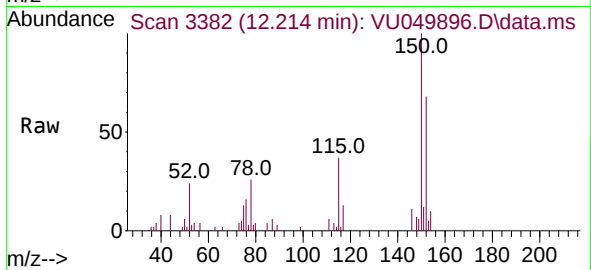
Acq: 26 Jul 2022 03:53

Instrument :

MSVOA_U

ClientSampleId :

GBJ12



Tgt Ion:	146	Resp:	989
Ion	Ratio	Lower	Upper
146	100		
111	58.0	35.8	53.8#
148	64.7	50.3	75.5

