

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072522\
 Data File : U072522.D
 Acq On : 26 Jul 2022 05:56
 Operator : SY/MD
 Sample : N3870-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ17

Quant Time: Jul 26 06:52:07 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	84315	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	79527	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	34214	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	30156	4.418	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.400%
7) Chloroethane-d5	1.912	69	27759	4.859	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.565	65	13765	4.518	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	4.642	46	140860	57.352	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.700%
24) Chloroform-d	5.063	84	75540	4.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.703	65	43780	4.911	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.726	84	131098	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.690	67	48921	5.225	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.600%
41) Toluene-d8	7.899	98	104689	4.420	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
43) trans-1,3-Dichloroprop...	8.182	79	13532	3.981	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.600%
46) 2-Hexanone-d5	8.636	63	66873	49.650	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.300%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	43606	5.546	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	38044	5.387	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	1142	0.128	ug/L	99
3) Chloromethane	1.517	50	1527	0.139	ug/L	87
5) Vinyl chloride	1.601	62	1460	0.159	ug/L #	67
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	45255	8.219	ug/L	99
12) 1,1-Dichloroethene	2.578	96	6866	1.232	ug/L #	17
17) Methyl tert-butyl Ether	3.366	73	1942	0.108	ug/L	96
18) trans-1,2-Dichloroethene	3.346	96	601	0.093	ug/L	73
19) 1,1-Dichloroethane	3.870	63	36566	2.627	ug/L	98
22) cis-1,2-Dichloroethene	4.668	96	43084	5.776	ug/L	94
25) Chloroform	5.089	83	19328	1.309	ug/L	100
27) 1,2-Dichloroethane	5.796	62	11584	1.142	ug/L #	93
29) 1,1,1-Trichloroethane	5.324	97	587	0.053	ug/L #	45
31) Carbon tetrachloride	5.533	117	2743	0.303	ug/L	97
33) Benzene	5.777	78	2039	0.071	ug/L	100
34) Trichloroethene	6.542	95	647633	92.560	ug/L	98
35) Methylcyclohexane	6.690	83	10287	1.192	ug/L #	15
39) cis-1,3-Dichloropropene	7.562	75	1349	0.124	ug/L #	74
47) Tetrachloroethene	8.555	164	13206	2.742	ug/L	96
48) 2-Hexanone	8.687	43	19421	4.536	ug/L #	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072522\
Data File : VU049901.D
Acq On : 26 Jul 2022 05:56
Operator : SY/MD
Sample : N3870-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

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Quant Time: Jul 26 06:52:07 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

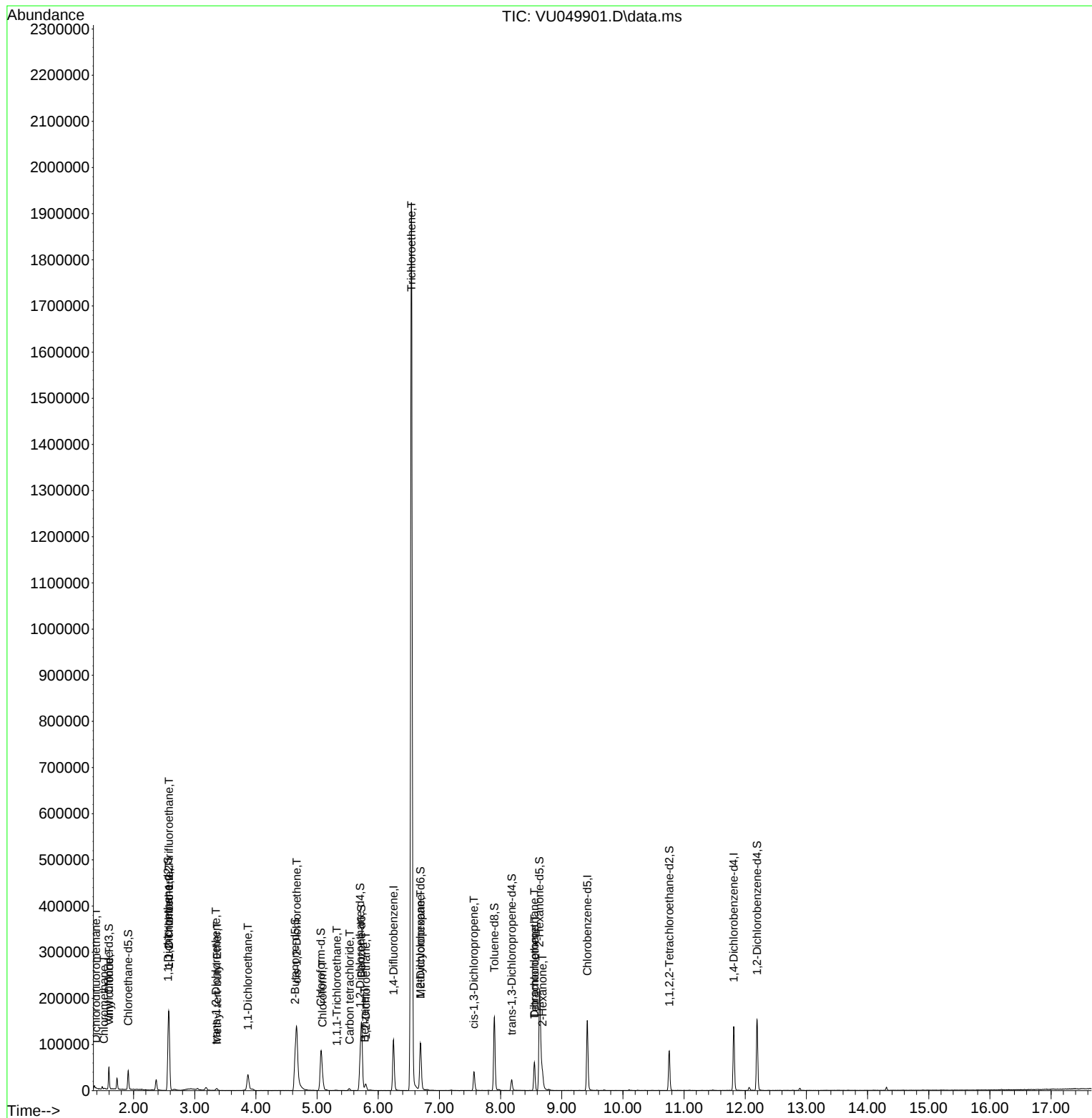
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.552	129	12776	1.947	ug/L	# 14
-----	-----	-----	-----	-----	-----	-----

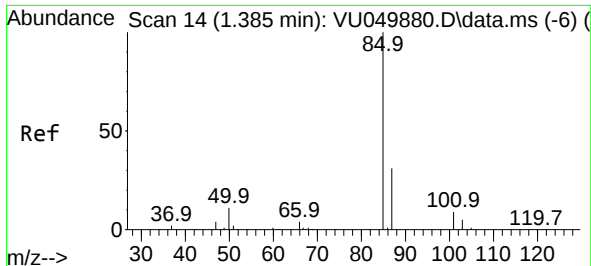
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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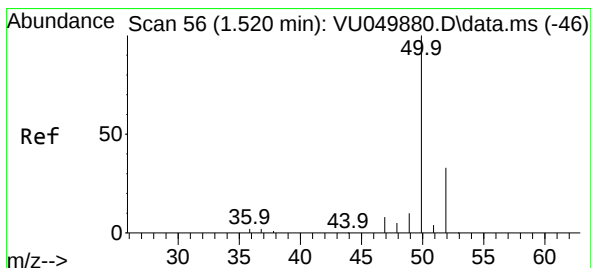
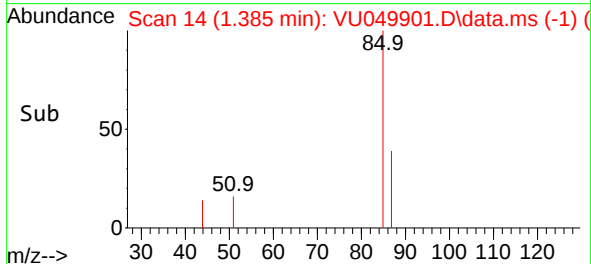
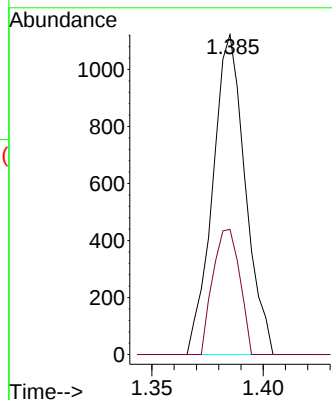
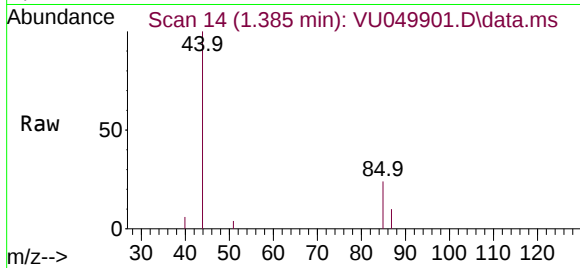




#2
Dichlorodifluoromethane
Concen: 0.128 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

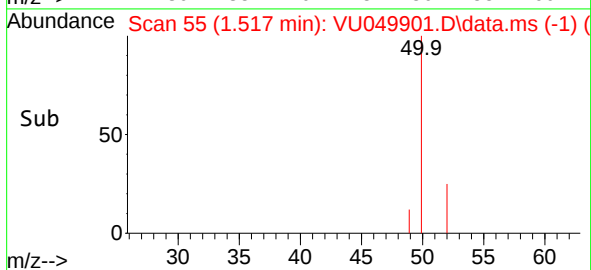
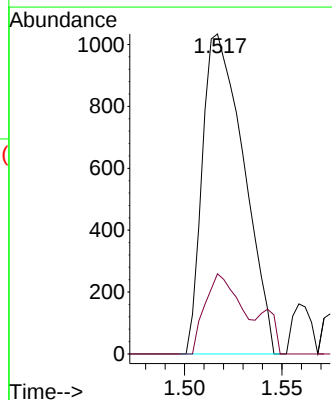
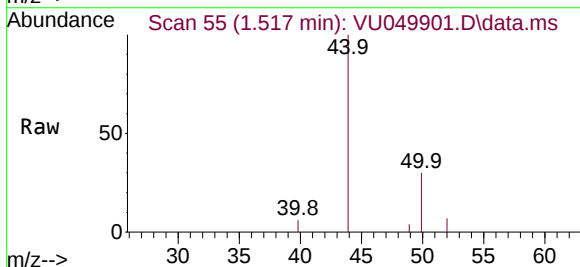
Instrument :
MSVOA_U
ClientSampleId :
GBJ17

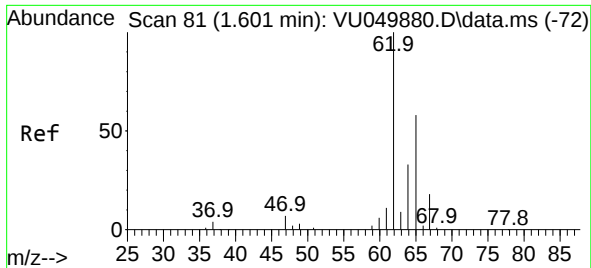
Tgt Ion: 85 Resp: 1142
Ion Ratio Lower Upper
85 100
87 32.1 25.4 38.2



#3
Chloromethane
Concen: 0.139 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

Tgt Ion: 50 Resp: 1527
Ion Ratio Lower Upper
50 100
52 25.0 22.5 41.7

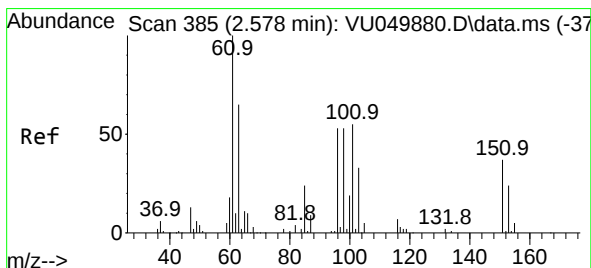
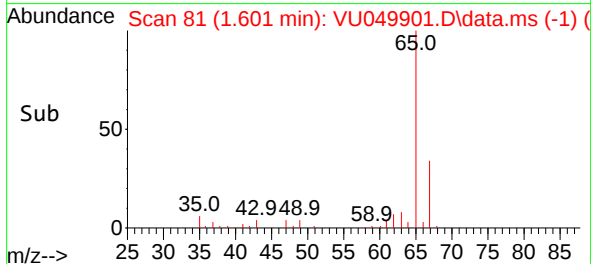
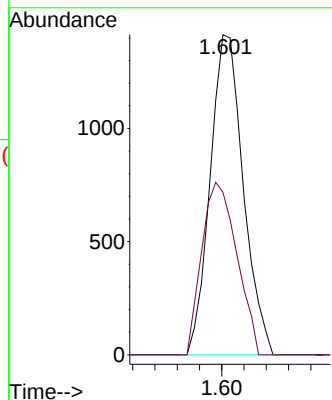
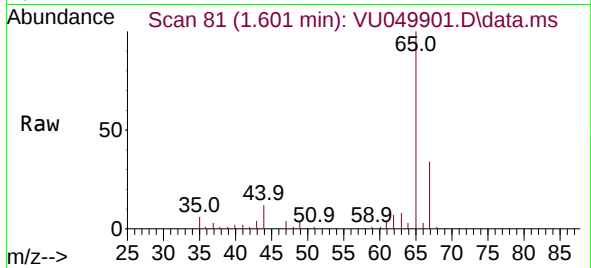




#5
 Vinyl chloride
 Concen: 0.159 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049901.D
 Acq: 26 Jul 2022 05:56

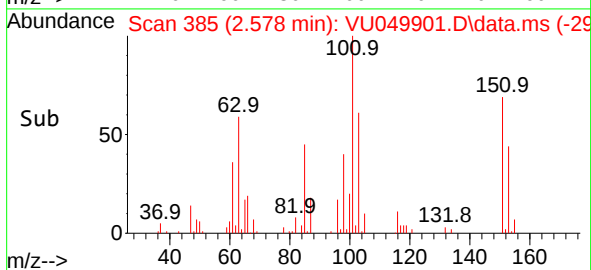
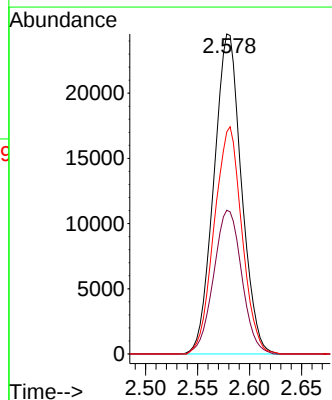
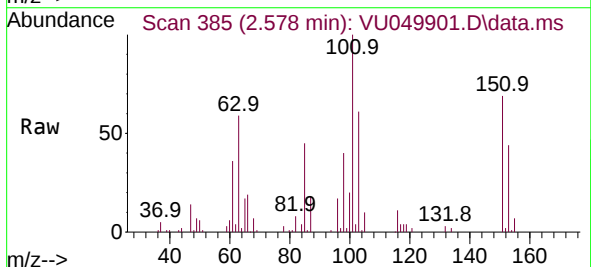
Instrument :
 MSVOA_U
 ClientSampleId :
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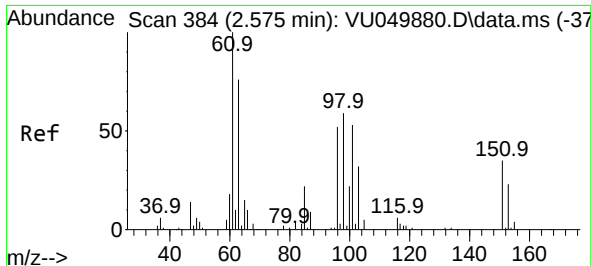
Tgt Ion: 62 Resp: 1460
 Ion Ratio Lower Upper
 62 100
 64 50.8 22.7 42.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 8.219 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049901.D
 Acq: 26 Jul 2022 05:56

Tgt Ion: 101 Resp: 45255
 Ion Ratio Lower Upper
 101 100
 85 45.9 37.2 55.8
 151 71.5 56.0 84.0





#12

1,1-Dichloroethene

Concen: 1.232 ug/L

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU049901.D

Acq: 26 Jul 2022 05:56

Instrument :

MSVOA_U

ClientSampleId :

GBJ17

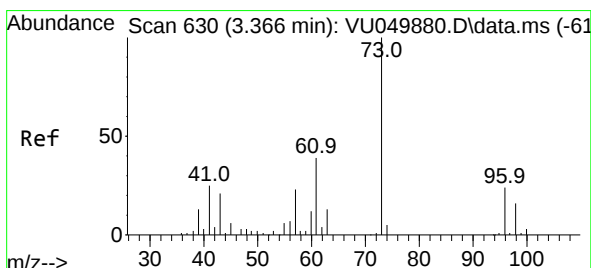
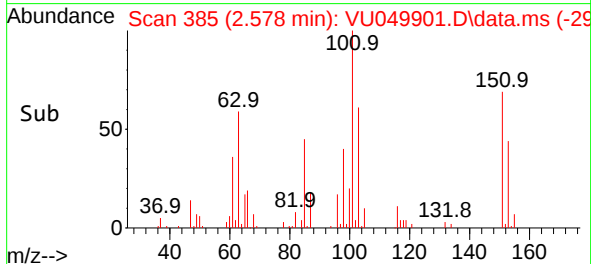
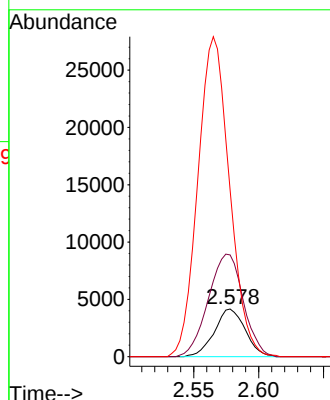
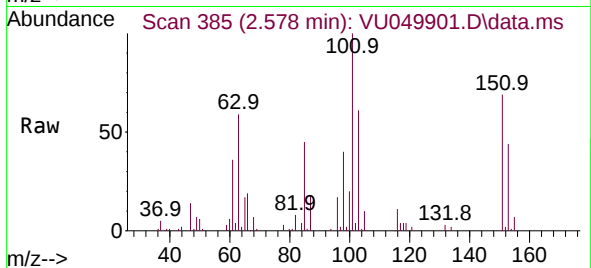
Tgt Ion: 96 Resp: 6866

Ion Ratio Lower Upper

96 100

61 213.8 131.6 244.4

63 349.8 100.0 185.6#



#17

Methyl tert-butyl Ether

Concen: 0.108 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU049901.D

Acq: 26 Jul 2022 05:56

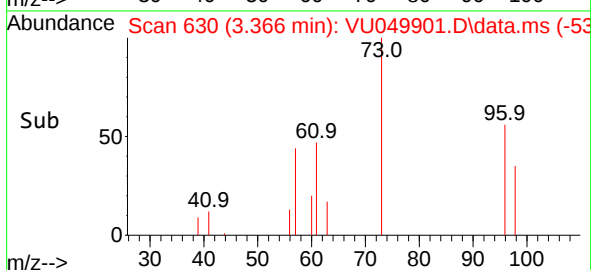
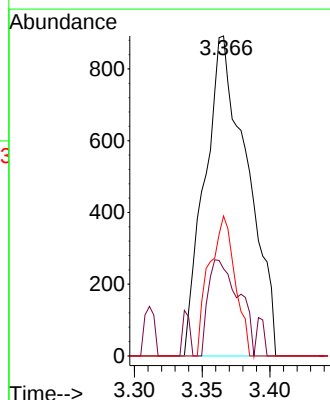
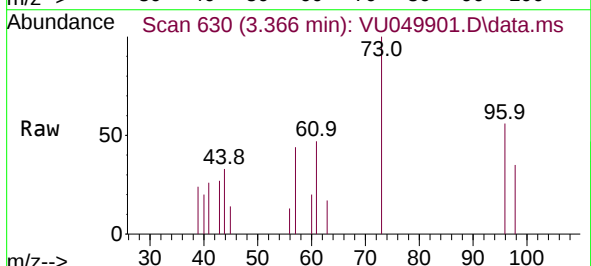
Tgt Ion: 73 Resp: 1942

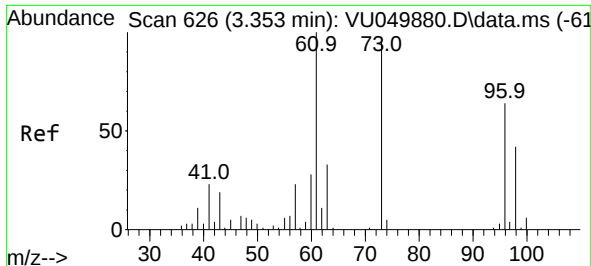
Ion Ratio Lower Upper

73 100

43 21.6 17.4 26.2

57 26.7 18.7 28.1

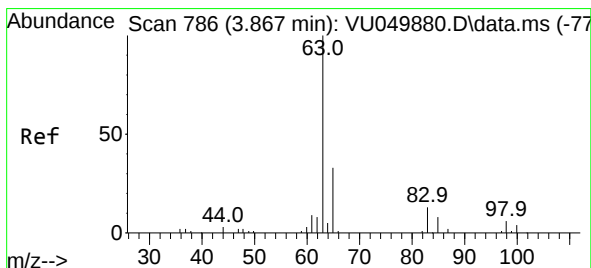
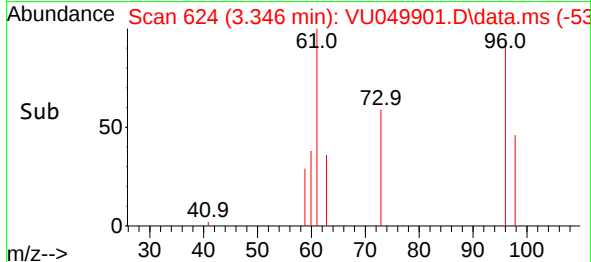
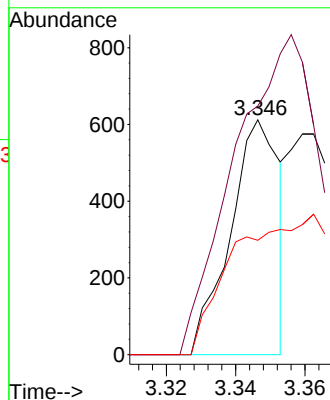
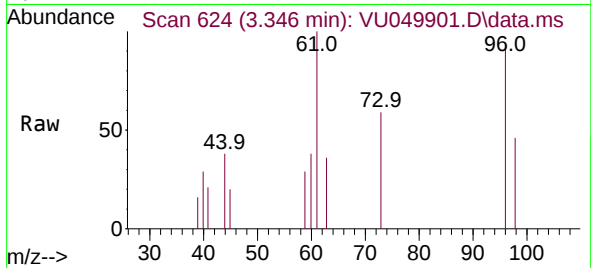




#18
trans-1,2-Dichloroethene
Concen: 0.093 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

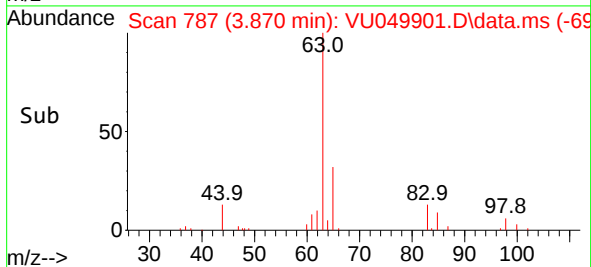
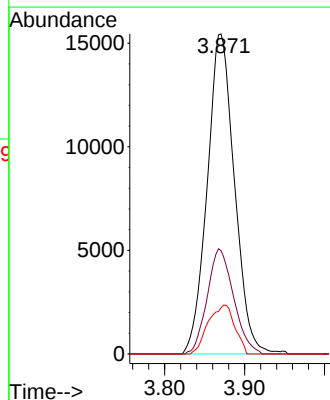
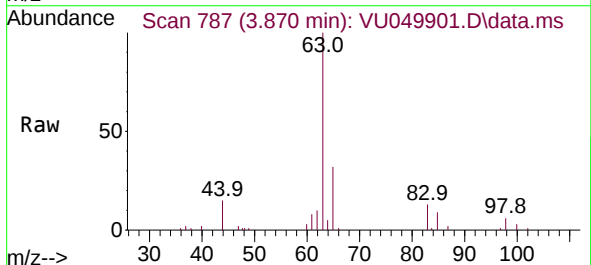
Instrument :
MSVOA_U
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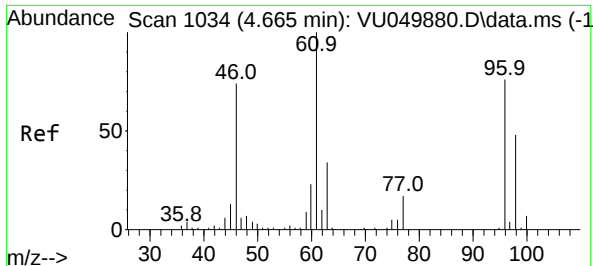
Tgt Ion: 96 Resp: 601
Ion Ratio Lower Upper
96 100
61 105.9 101.5 188.5
98 48.7 42.5 78.9



#19
1,1-Dichloroethane
Concen: 2.627 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

Tgt Ion: 63 Resp: 36566
Ion Ratio Lower Upper
63 100
65 32.3 22.5 41.9
83 14.5 8.3 15.5





#22

cis-1,2-Dichloroethene

Concen: 5.776 ug/L

RT: 4.668 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VU049901.D

Acq: 26 Jul 2022 05:56

Instrument :

MSVOA_U

ClientSampleId :

GBJ17

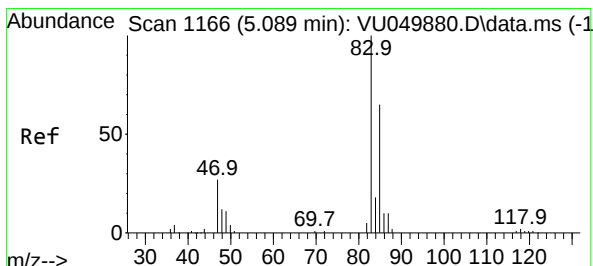
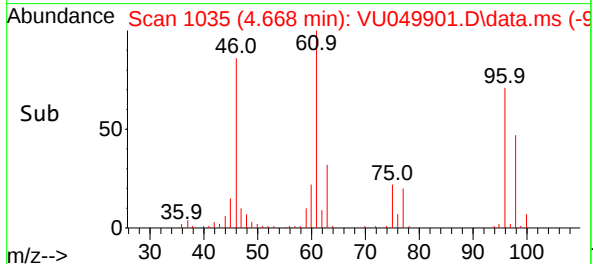
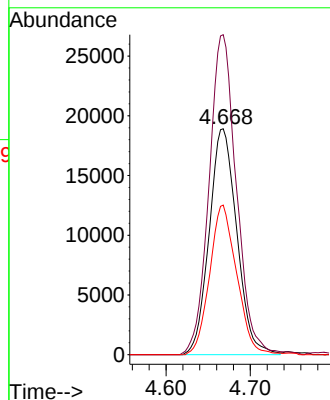
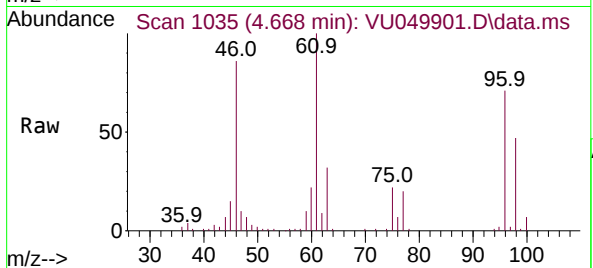
Tgt Ion: 96 Resp: 43084

Ion Ratio Lower Upper

96 100

61 141.7 93.9 174.3

98 66.3 43.9 81.5



#25

Chloroform

Concen: 1.309 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU049901.D

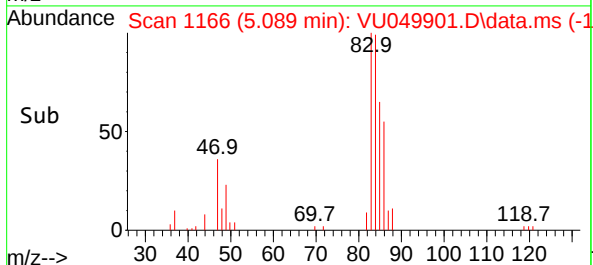
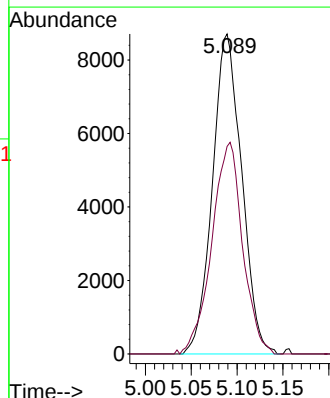
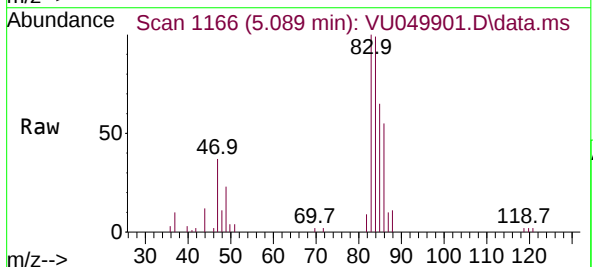
Acq: 26 Jul 2022 05:56

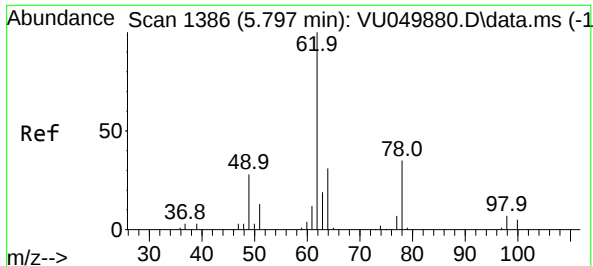
Tgt Ion: 83 Resp: 19328

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5





#27

1,2-Dichloroethane

Concen: 1.142 ug/L

RT: 5.796 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049901.D

Acq: 26 Jul 2022 05:56

Instrument :

MSVOA_U

ClientSampleId :

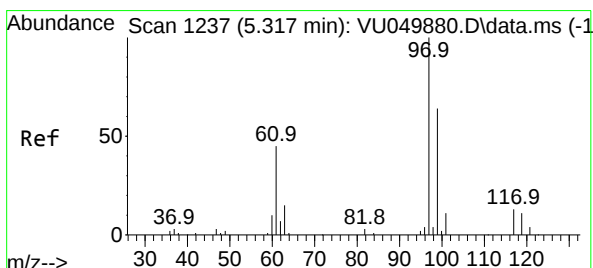
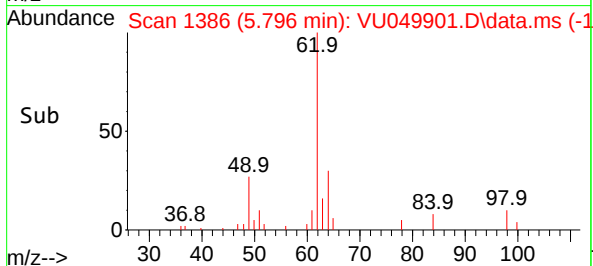
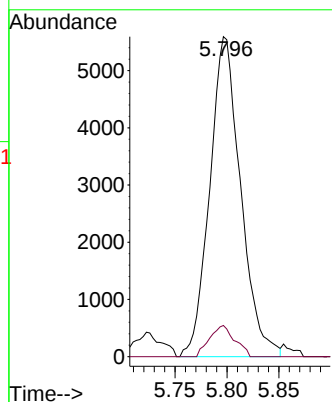
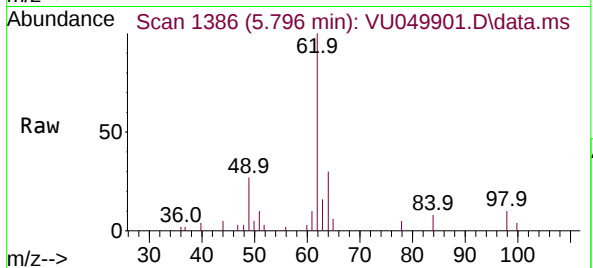
GBJ17

Tgt Ion: 62 Resp: 11584

Ion Ratio Lower Upper

62 100

98 9.8 5.9 8.9#



#29

1,1,1-Trichloroethane

Concen: 0.053 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VU049901.D

Acq: 26 Jul 2022 05:56

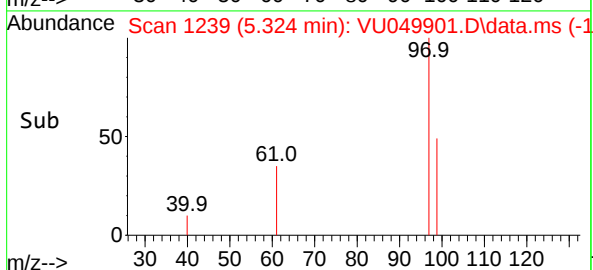
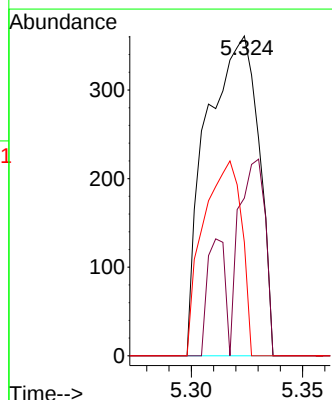
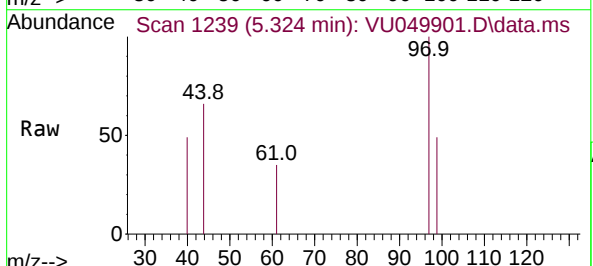
Tgt Ion: 97 Resp: 587

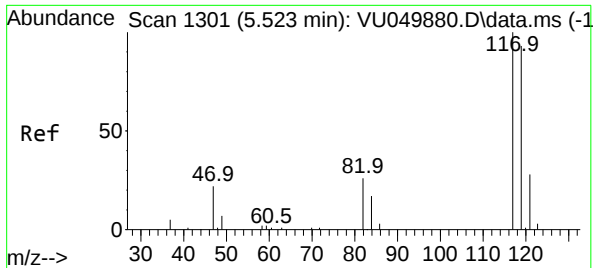
Ion Ratio Lower Upper

97 100

99 30.8 51.8 77.8#

61 0.0 38.3 57.5#

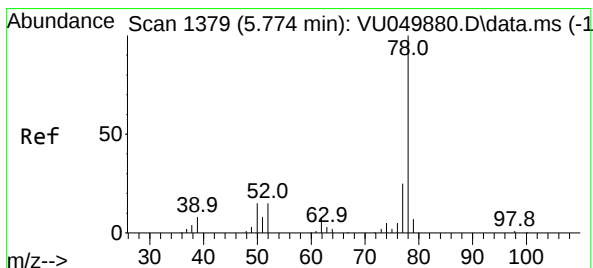
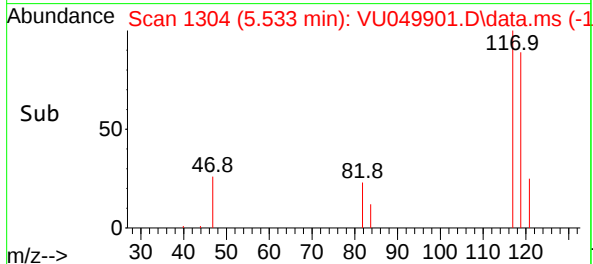
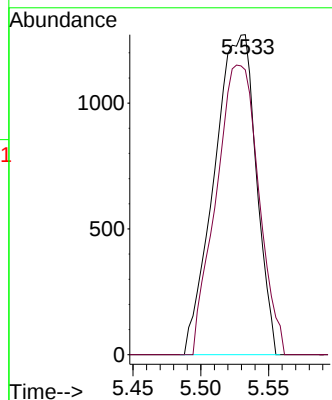
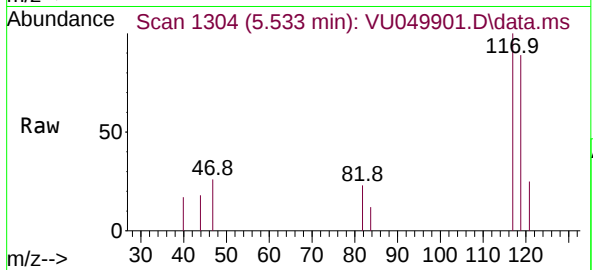




#31
Carbon tetrachloride
Concen: 0.303 ug/L
RT: 5.533 min Scan# 117
Delta R.T. 0.010 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

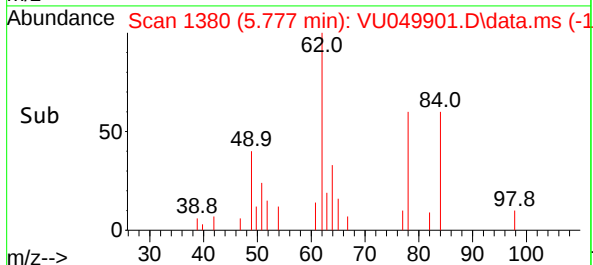
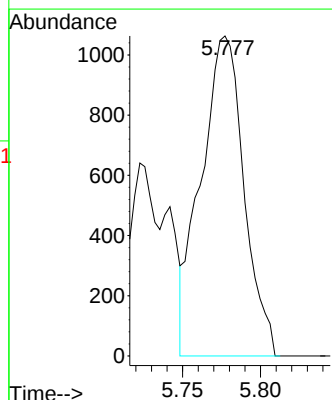
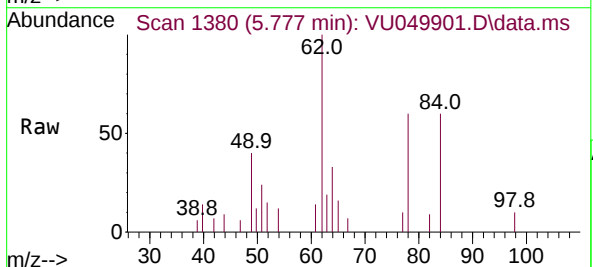
Instrument :
MSVOA_U
ClientSampleId :
GBJ17

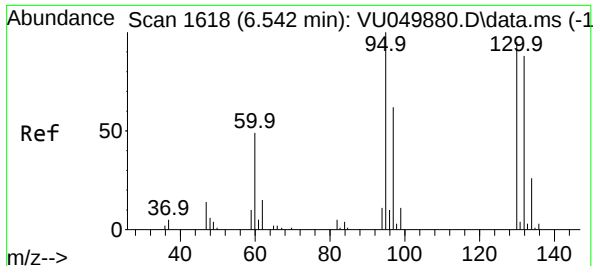
Tgt Ion:117 Resp: 2743
Ion Ratio Lower Upper
117 100
119 91.5 75.2 112.8



#33
Benzene
Concen: 0.071 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

Tgt Ion: 78 Resp: 2039

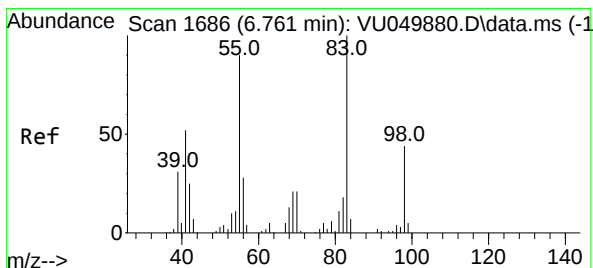
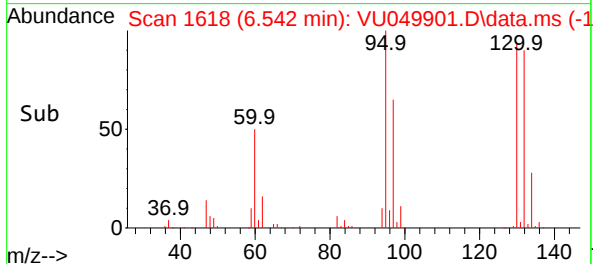
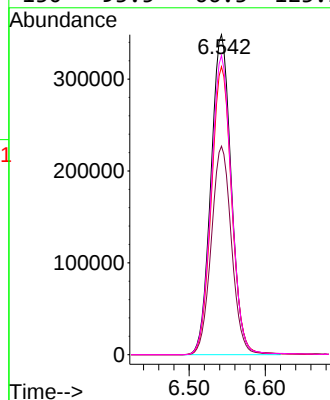
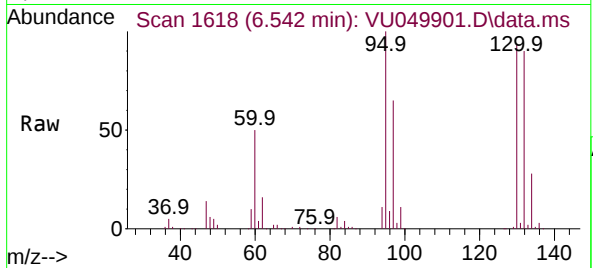




#34
Trichloroethene
Concen: 92.560 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

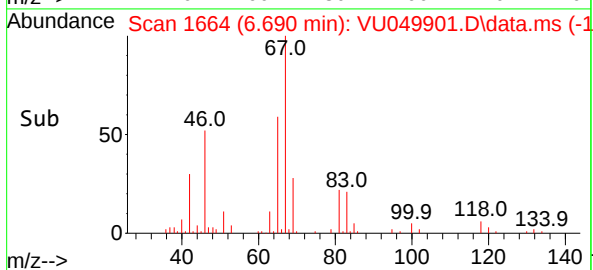
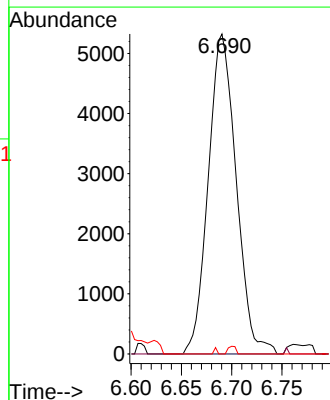
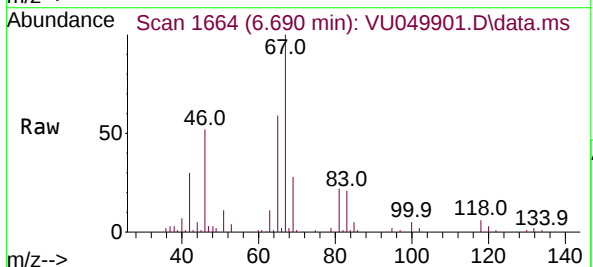
Instrument :
MSVOA_U
ClientSampleId :
GBJ17

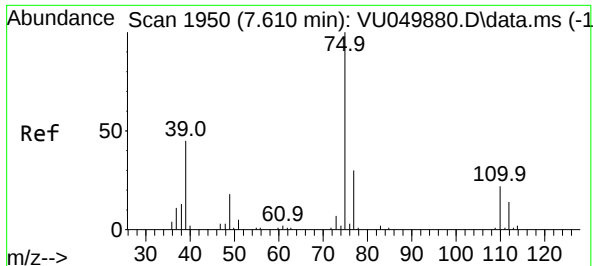
Tgt Ion: 95 Resp: 647633
Ion Ratio Lower Upper
95 100
97 65.1 46.8 86.8
132 90.0 61.8 114.8
130 93.5 66.3 123.1



#35
Methylcyclohexane
Concen: 1.192 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

Tgt Ion: 83 Resp: 10287
Ion Ratio Lower Upper
83 100
55 0.2 69.0 103.4#
98 0.0 36.4 54.6#





#39

cis-1,3-Dichloropropene

Concen: 0.124 ug/L

RT: 7.562 min Scan# 1950

Delta R.T. -0.048 min

Lab File: VU049901.D

Acq: 26 Jul 2022 05:56

Instrument :

MSVOA_U

ClientSampleId :

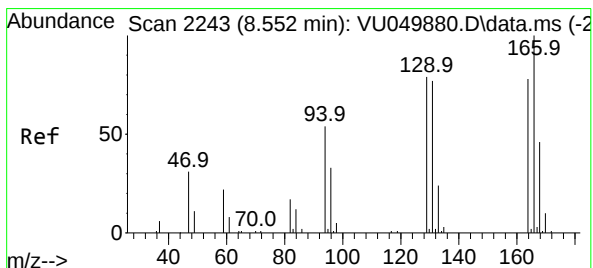
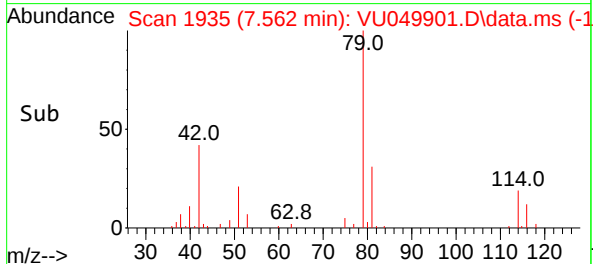
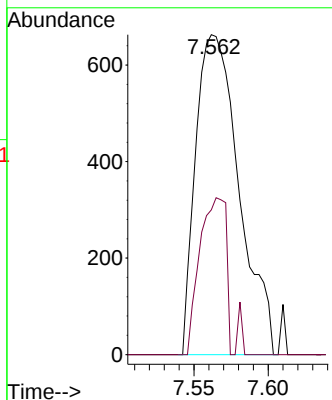
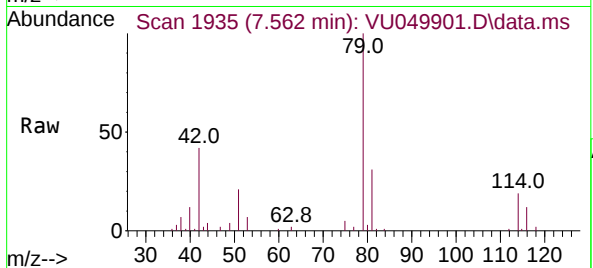
GBJ17

Tgt Ion: 75 Resp: 1349

Ion Ratio Lower Upper

75 100

77 45.2 21.6 40.0#



#47

Tetrachloroethene

Concen: 2.742 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU049901.D

Acq: 26 Jul 2022 05:56

Tgt Ion:164 Resp: 13206

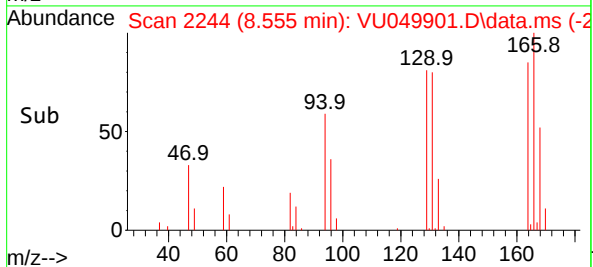
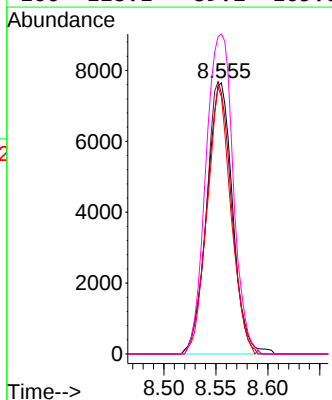
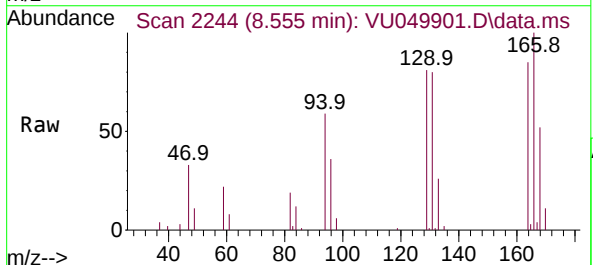
Ion Ratio Lower Upper

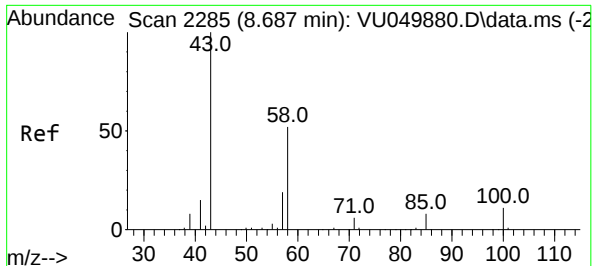
164 100

129 96.2 68.9 127.9

131 94.9 67.5 125.4

166 118.1 89.2 165.8

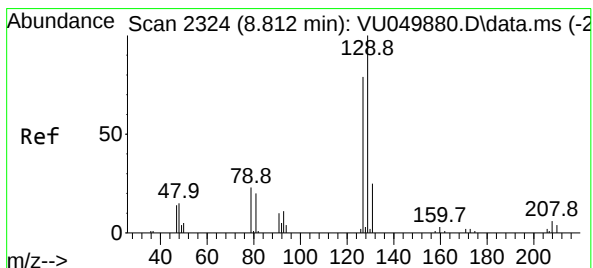
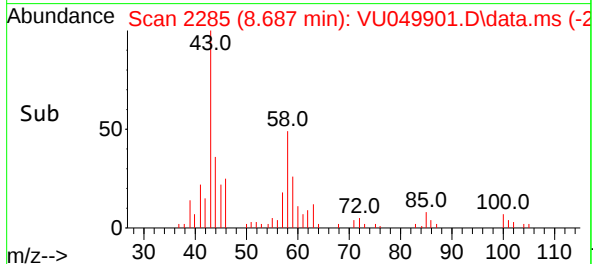
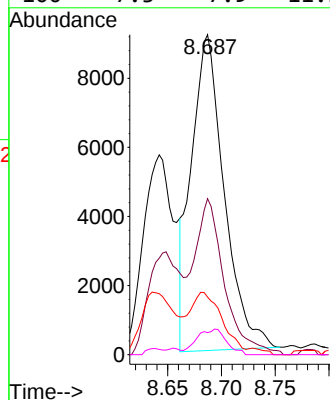
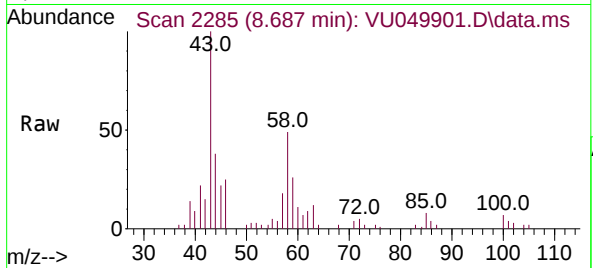




#48
2-Hexanone
Concen: 4.536 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

Instrument :
MSVOA_U
ClientSampleId :
GBJ17

Tgt Ion:	43	Resp:	19421
Ion	Ratio	Lower	Upper
43	100		
58	43.9	42.1	63.1
57	17.2	14.3	21.5
100	7.3	7.9	11.9



#49
Dibromochloromethane
Concen: 1.947 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU049901.D
Acq: 26 Jul 2022 05:56

Tgt Ion:	129	Resp:	12776
Ion	Ratio	Lower	Upper
129	100		
127	0.0	50.5	93.7

