

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072522\
 Data File : U049892.D
 Acq On : 26 Jul 2022 02:15
 Operator : SY/MD
 Sample : N3870-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ08

Quant Time: Jul 26 06:49:44 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	89002	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	82060	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	34284	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	31451	4.365	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.913	69	28935	4.798	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.562	65	14486	4.504	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.000%
20) 2-Butanone-d5	4.646	46	142710	55.045	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.100%
24) Chloroform-d	5.064	84	75882	4.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.703	65	45213	4.805	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.729	84	134886	4.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.690	67	49010	5.073	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.899	98	107050	4.380	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.182	79	14777	4.213	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.636	63	69408	49.941	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.880%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	42784	5.274	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	36098	5.101	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	859	0.091	ug/L	92
5) Vinyl chloride	1.601	62	11130	1.152	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	73602	12.664	ug/L	98
12) 1,1-Dichloroethene	2.578	96	21457	3.649	ug/L	92
17) Methyl tert-butyl Ether	3.366	73	4286	0.225	ug/L	96
18) trans-1,2-Dichloroethene	3.353	96	748	0.110	ug/L #	88
19) 1,1-Dichloroethane	3.874	63	32632	2.221	ug/L	97
22) cis-1,2-Dichloroethene	4.668	96	120847	15.349	ug/L	97
27) 1,2-Dichloroethane	5.803	62	3421	0.320	ug/L #	79
29) 1,1,1-Trichloroethane	5.324	97	1331	0.116	ug/L #	83
33) Benzene	5.781	78	4582	0.154	ug/L	100
34) Trichloroethene	6.543	95	1194383	165.433	ug/L	98
35) Methylcyclohexane	6.694	83	11205	1.258	ug/L #	15
37) 1,2-Dichloropropane	6.690	63	5513	0.650	ug/L #	89
47) Tetrachloroethene	8.552	164	10267	2.066	ug/L	95
48) 2-Hexanone	8.684	43	18469	4.180	ug/L #	85
49) Dibromochloromethane	8.555	129	10492	1.550	ug/L #	14
61) 1,2,3-Trichloropropane	11.812	75	5100	1.117	ug/L #	68
62) 1,3,5-Trimethylbenzene	11.472	105	1540	0.080	ug/L	88

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jul 26 06:46:04 2022
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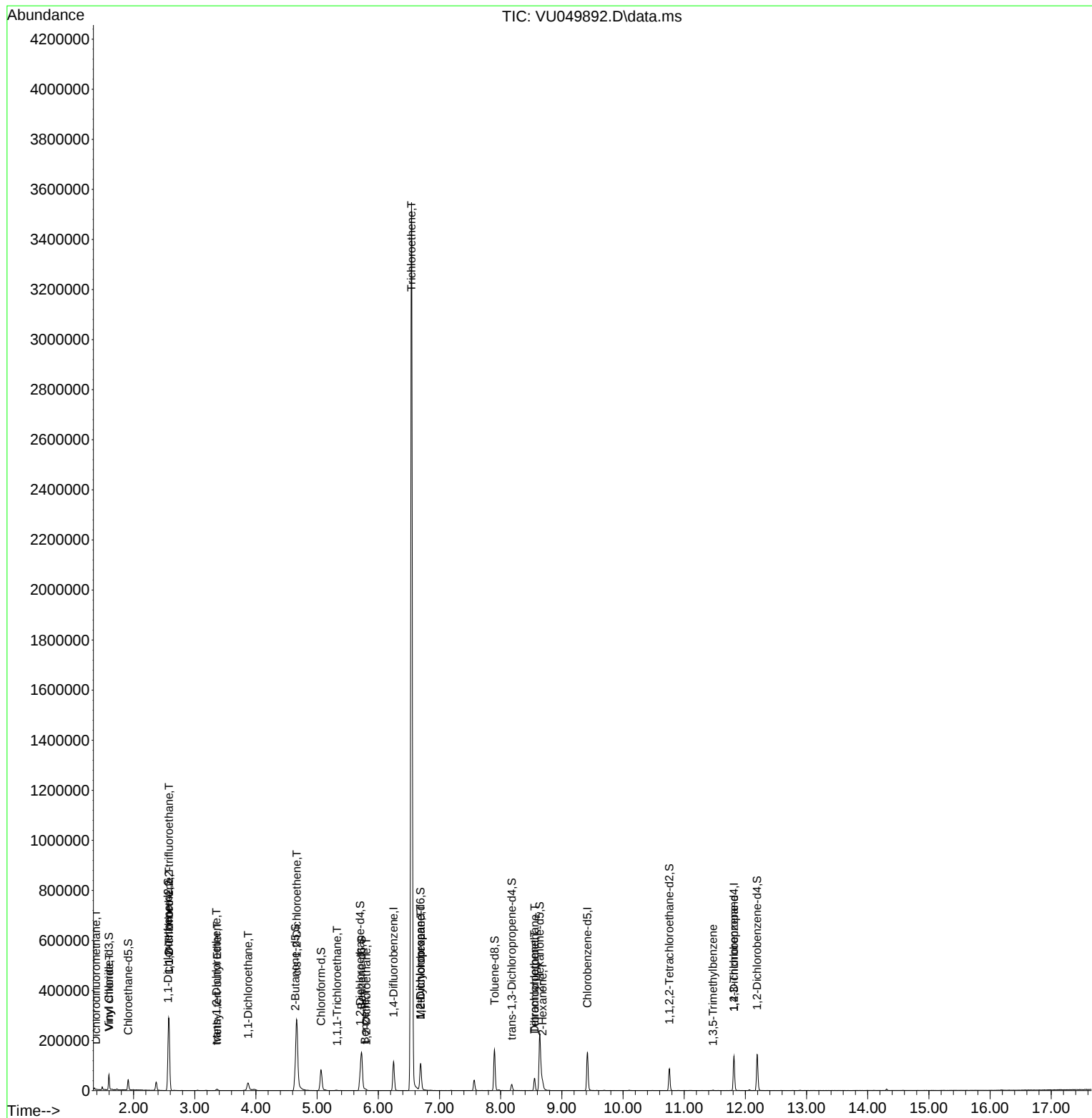
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

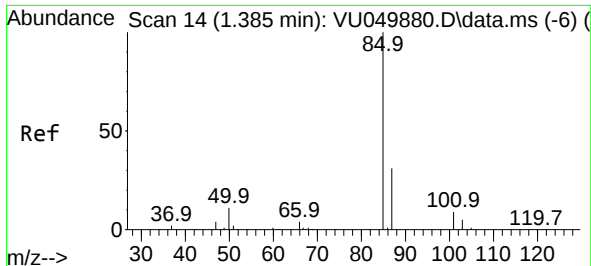
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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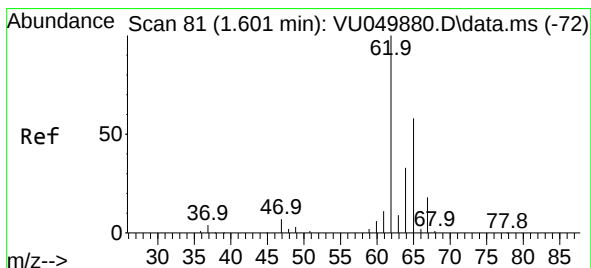
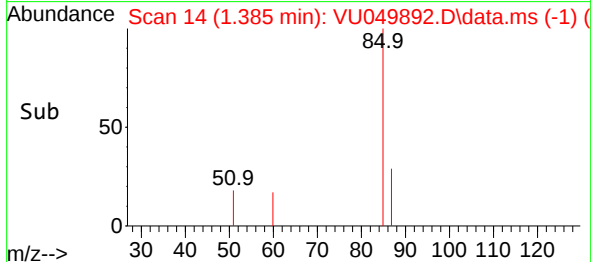
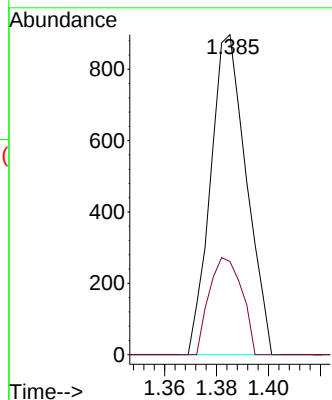
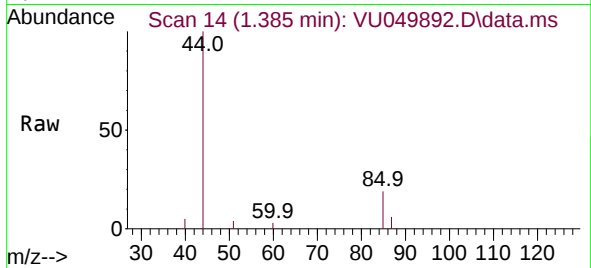




#2
Dichlorodifluoromethane
Concen: 0.091 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

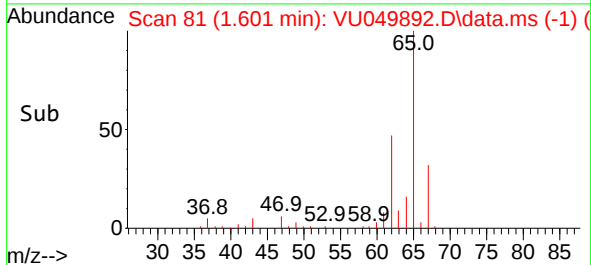
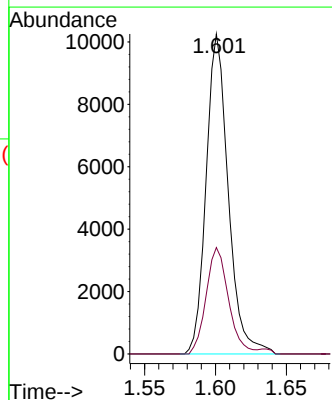
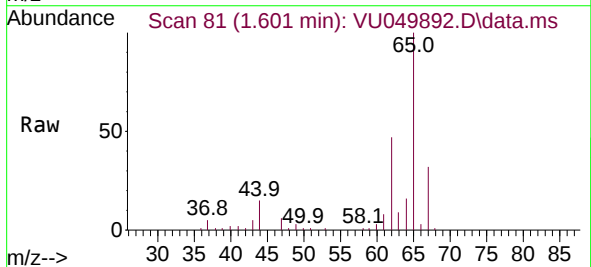
Instrument :
MSVOA_U
ClientSampleId :
GBJ08

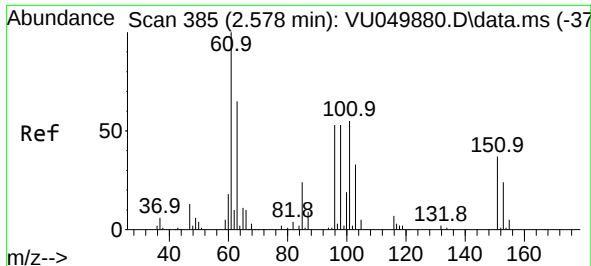
Tgt Ion: 85 Resp: 859
Ion Ratio Lower Upper
85 100
87 27.6 25.4 38.2



#5
Vinyl chloride
Concen: 1.152 ug/L
RT: 1.601 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

Tgt Ion: 62 Resp: 11130
Ion Ratio Lower Upper
62 100
64 33.3 22.7 42.3

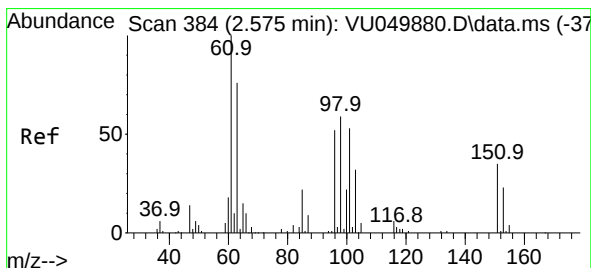
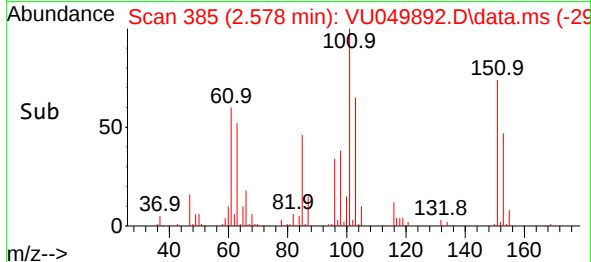
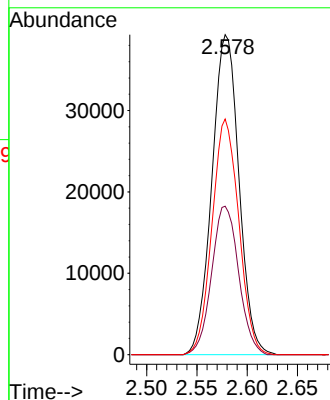
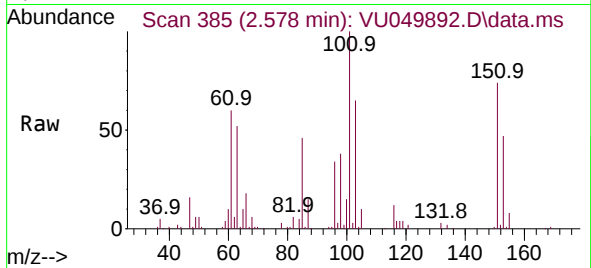




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 12.664 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049892.D
 Acq: 26 Jul 2022 02:15

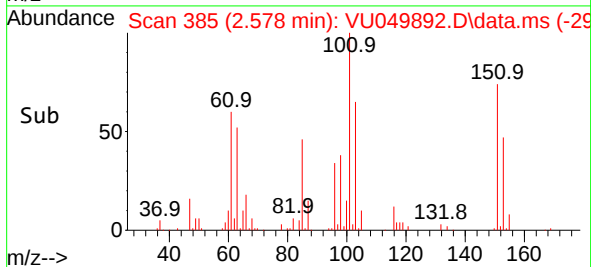
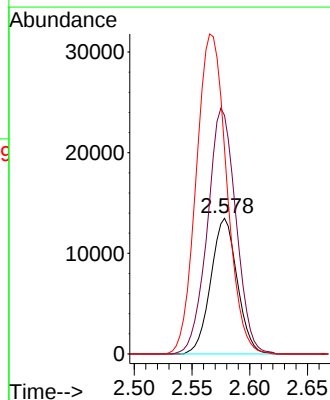
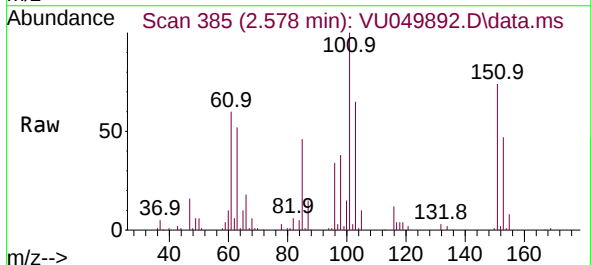
Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ08

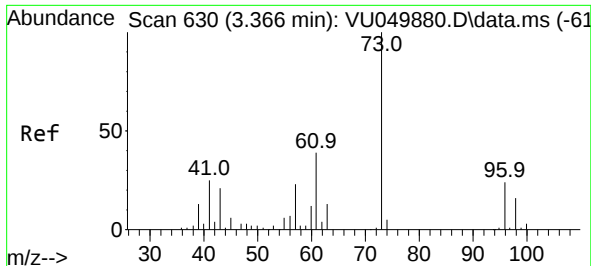
Tgt Ion:101 Resp: 73602
 Ion Ratio Lower Upper
 101 100
 85 46.4 37.2 55.8
 151 72.8 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 3.649 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU049892.D
 Acq: 26 Jul 2022 02:15

Tgt Ion: 96 Resp: 21457
 Ion Ratio Lower Upper
 96 100
 61 175.9 131.6 244.4
 63 151.3 100.0 185.6





#17

Methyl tert-butyl Ether

Concen: 0.225 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049892.D

Acq: 26 Jul 2022 02:15

Instrument :

MSVOA_U

ClientSampleId :

GBJ08

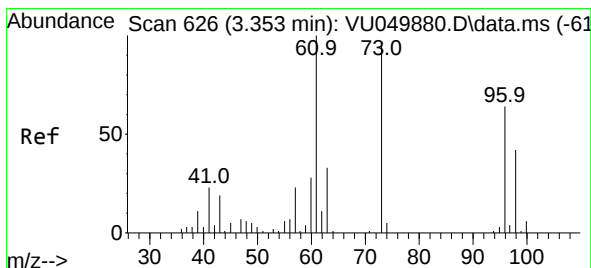
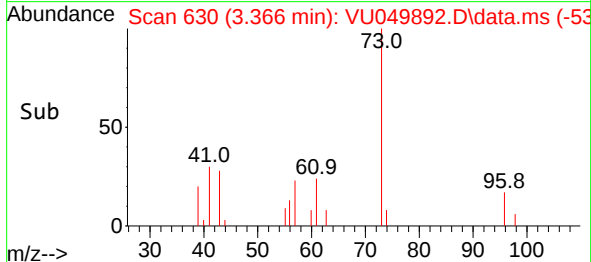
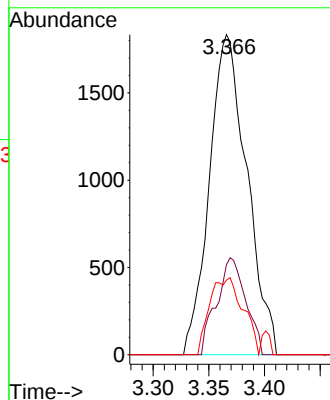
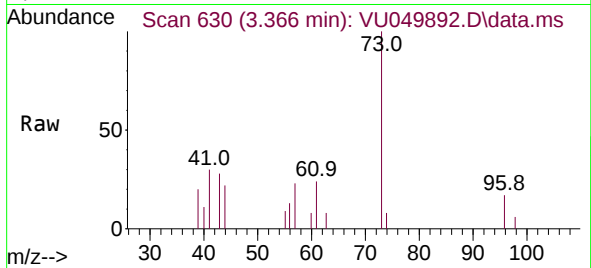
Tgt Ion: 73 Resp: 4286

Ion Ratio Lower Upper

73 100

43 23.6 17.4 26.2

57 21.5 18.7 28.1



#18

trans-1,2-Dichloroethene

Concen: 0.110 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU049892.D

Acq: 26 Jul 2022 02:15

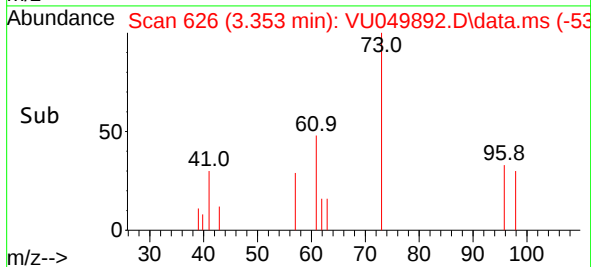
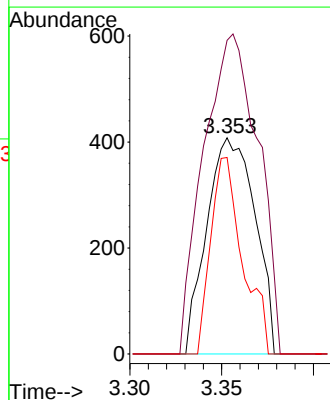
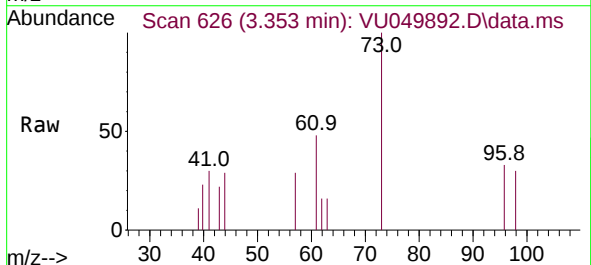
Tgt Ion: 96 Resp: 748

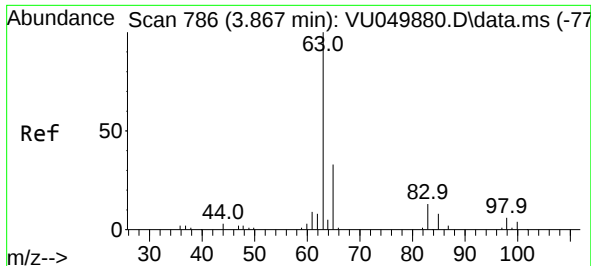
Ion Ratio Lower Upper

96 100

61 145.1 101.5 188.5

98 90.9 42.5 78.9#





#19

1,1-Dichloroethane

Concen: 2.221 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.006 min

Lab File: VU049892.D

Acq: 26 Jul 2022 02:15

Instrument :

MSVOA_U

ClientSampleId :

GBJ08

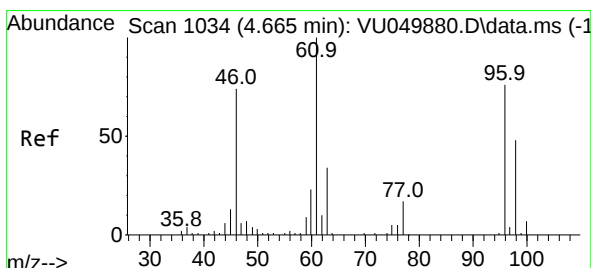
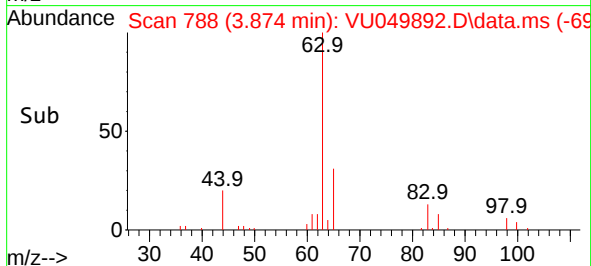
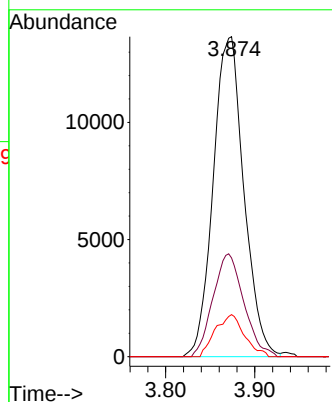
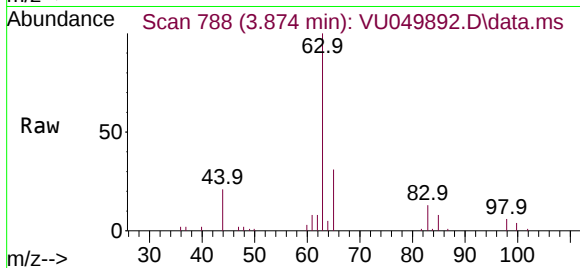
Tgt Ion: 63 Resp: 32632

Ion Ratio Lower Upper

63 100

65 30.9 22.5 41.9

83 13.1 8.3 15.5



#22

cis-1,2-Dichloroethene

Concen: 15.349 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049892.D

Acq: 26 Jul 2022 02:15

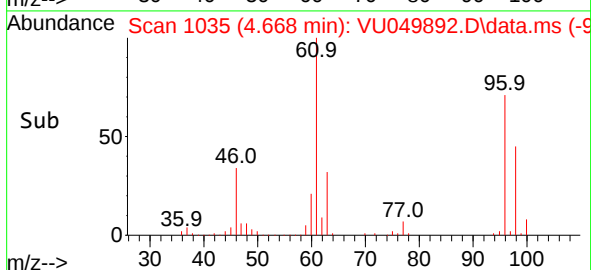
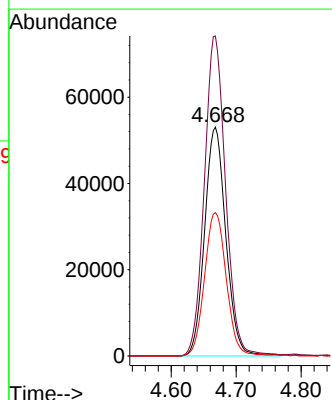
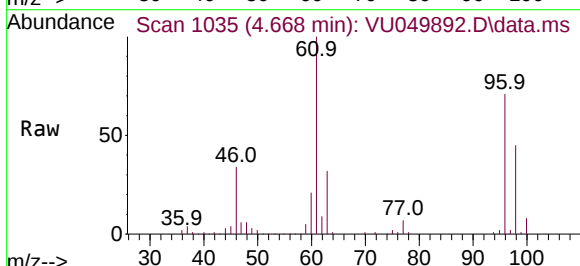
Tgt Ion: 96 Resp: 120847

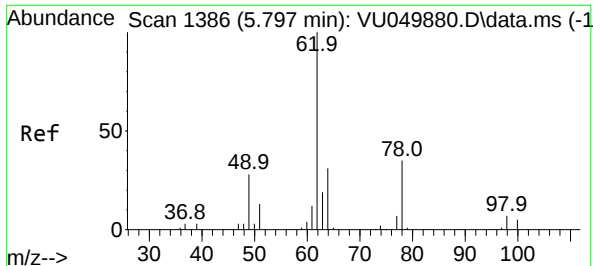
Ion Ratio Lower Upper

96 100

61 139.9 93.9 174.3

98 62.7 43.9 81.5





#27

1,2-Dichloroethane

Concen: 0.320 ug/L

RT: 5.803 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU049892.D

Acq: 26 Jul 2022 02:15

Instrument :

MSVOA_U

ClientSampleId :

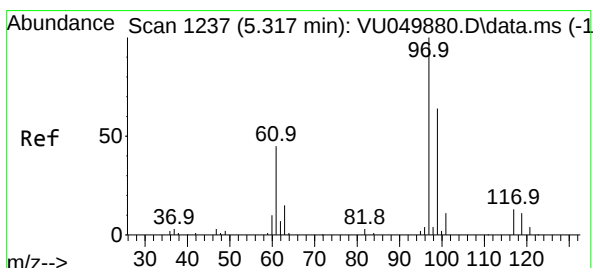
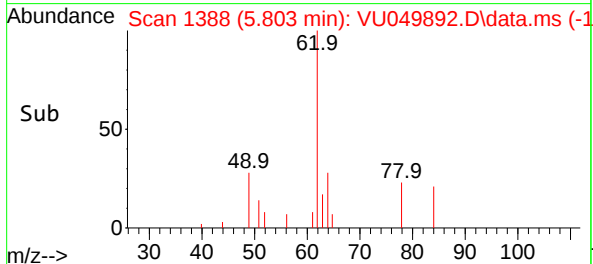
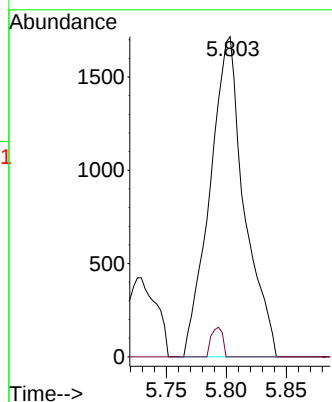
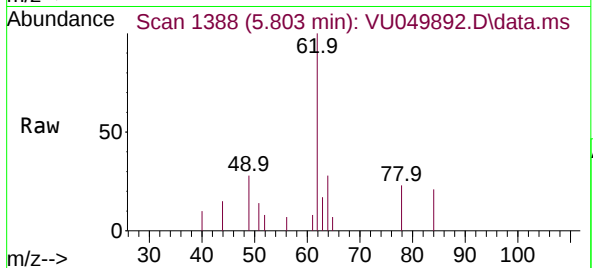
GBJ08

Tgt Ion: 62 Resp: 3421

Ion Ratio Lower Upper

62 100

98 0.0 5.9 8.9#



#29

1,1,1-Trichloroethane

Concen: 0.116 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VU049892.D

Acq: 26 Jul 2022 02:15

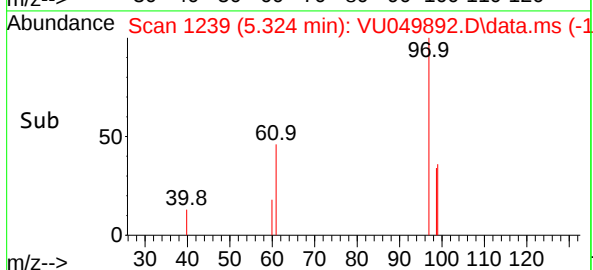
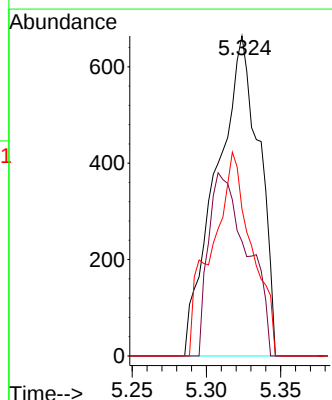
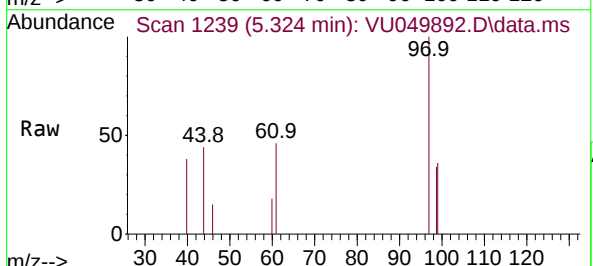
Tgt Ion: 97 Resp: 1331

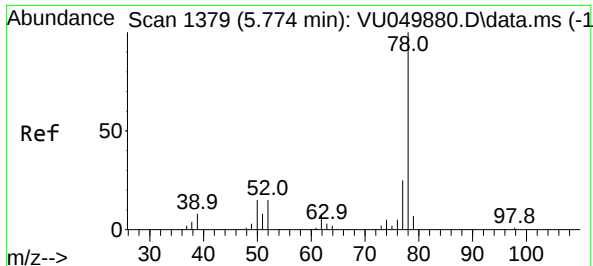
Ion Ratio Lower Upper

97 100

99 51.9 51.8 77.8

61 59.6 38.3 57.5#

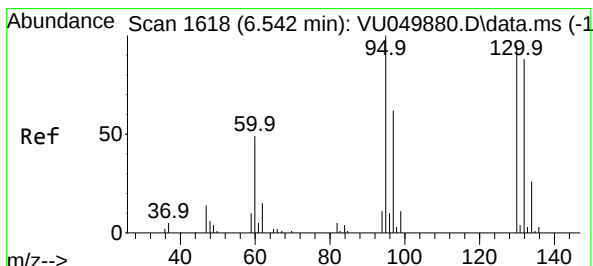
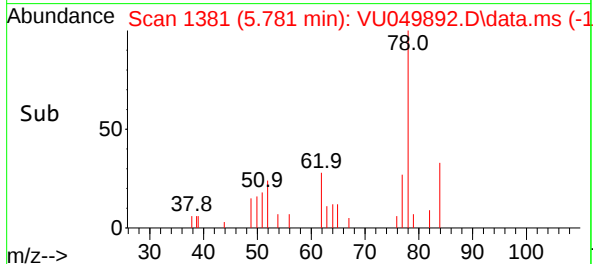
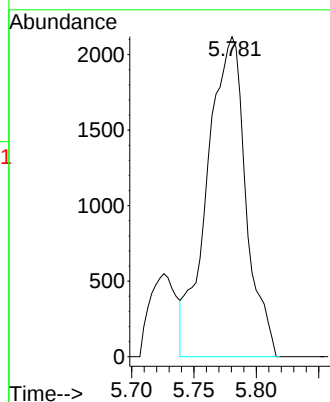
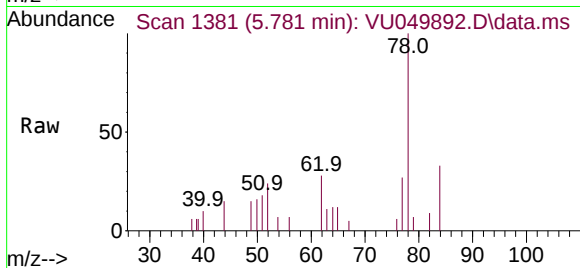




#33
Benzene
Concen: 0.154 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. 0.006 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

Instrument :
MSVOA_U
ClientSampleId :
GBJ08

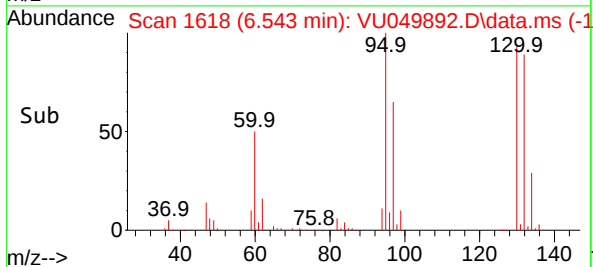
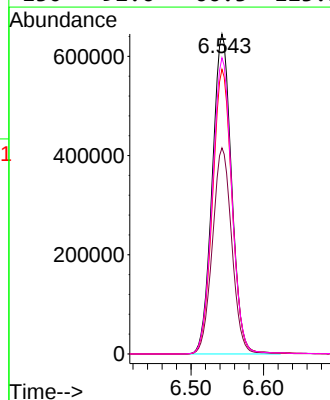
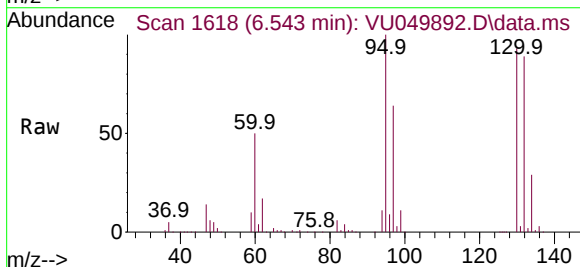
Tgt Ion: 78 Resp: 4582

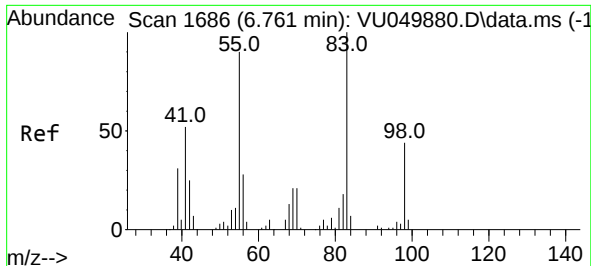


#34
Trichloroethene
Concen: 165.433 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

Tgt Ion: 95 Resp: 1194383

Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.8	86.8
132	89.0	61.8	114.8
130	92.6	66.3	123.1

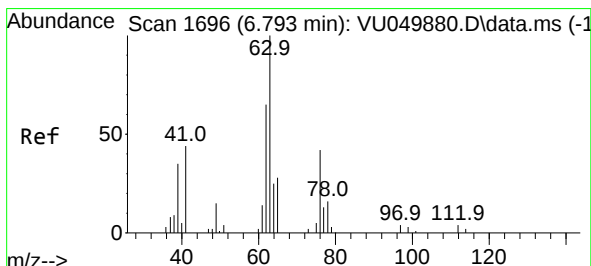
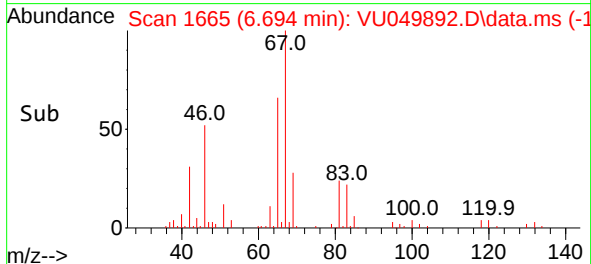
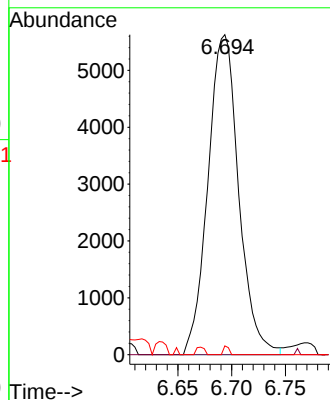
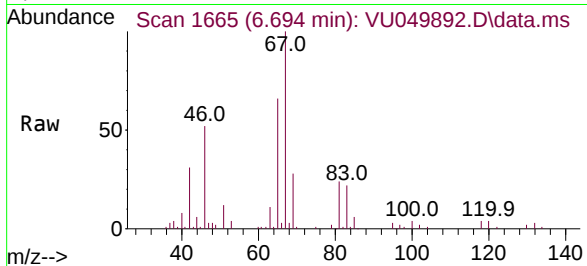




#35
Methylcyclohexane
Concen: 1.258 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.067 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

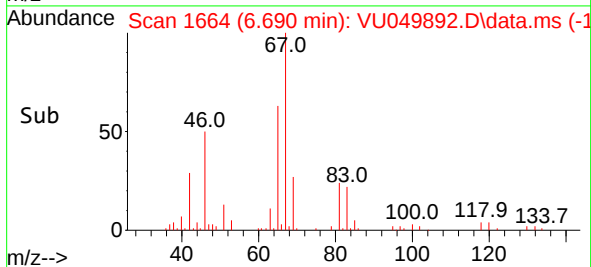
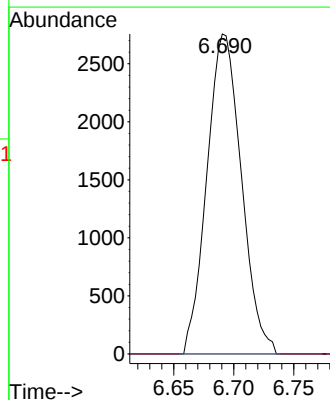
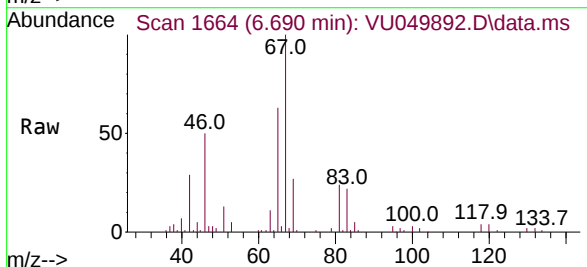
Instrument :
MSVOA_U
ClientSampleId :
GBJ08

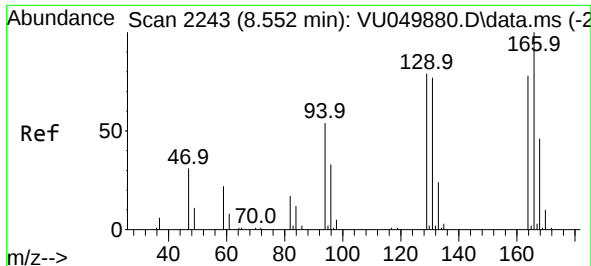
Tgt Ion: 83 Resp: 11205
Ion Ratio Lower Upper
83 100
55 0.2 69.0 103.4#
98 0.0 36.4 54.6#



#37
1,2-Dichloropropane
Concen: 0.650 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

Tgt Ion: 63 Resp: 5513
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#

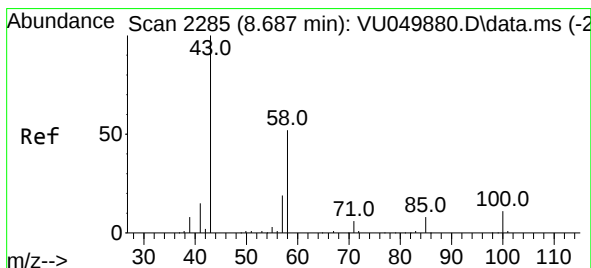
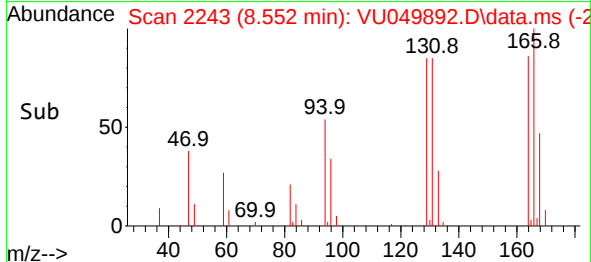
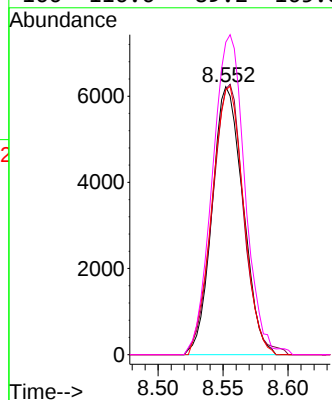
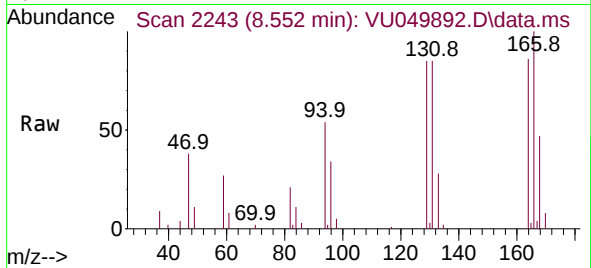




#47
Tetrachloroethene
Concen: 2.066 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

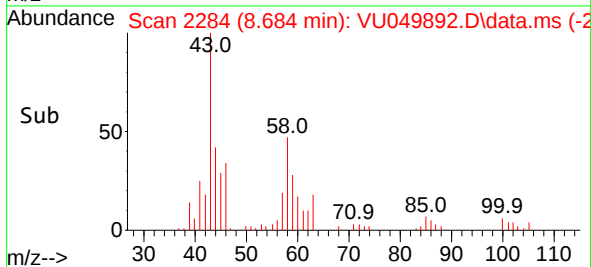
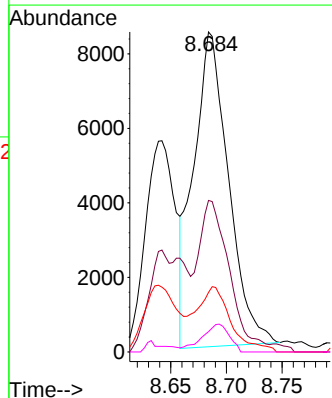
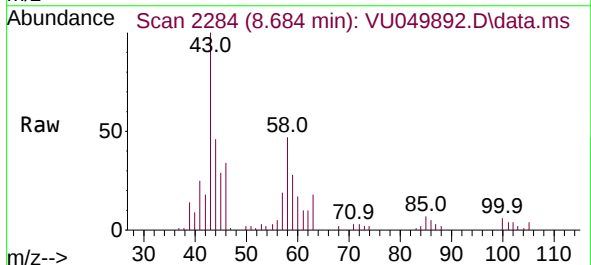
Instrument :
MSVOA_U
ClientSampleId :
GBJ08

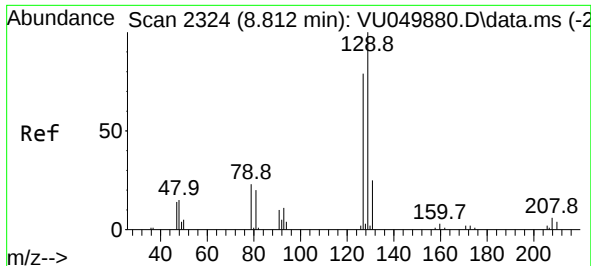
Tgt Ion:164 Resp: 10267
Ion Ratio Lower Upper
164 100
129 99.2 68.9 127.9
131 98.8 67.5 125.4
166 116.6 89.2 165.8



#48
2-Hexanone
Concen: 4.180 ug/L
RT: 8.684 min Scan# 2284
Delta R.T. -0.003 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

Tgt Ion: 43 Resp: 18469
Ion Ratio Lower Upper
43 100
58 38.1 42.1 63.1#
57 20.0 14.3 21.5
100 6.9 7.9 11.9#

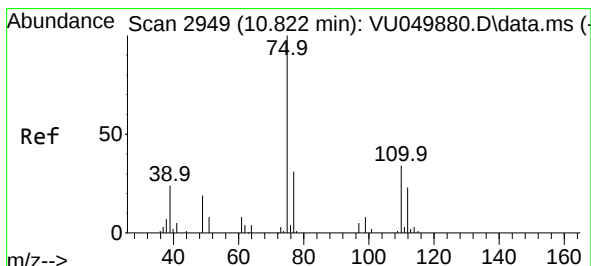
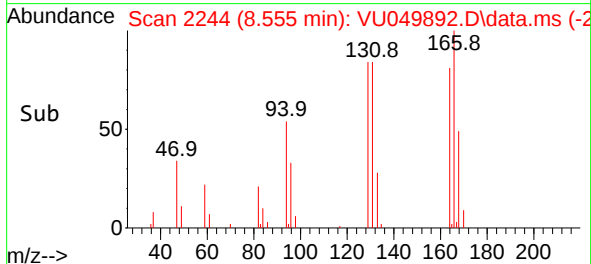
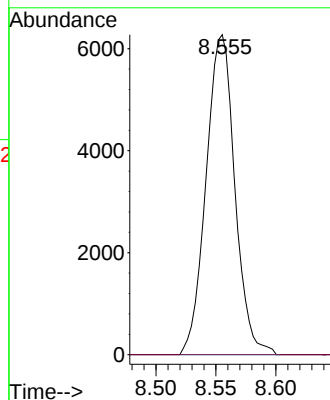
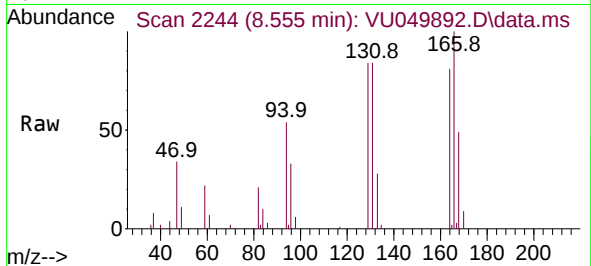




#49
Dibromochloromethane
Concen: 1.550 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

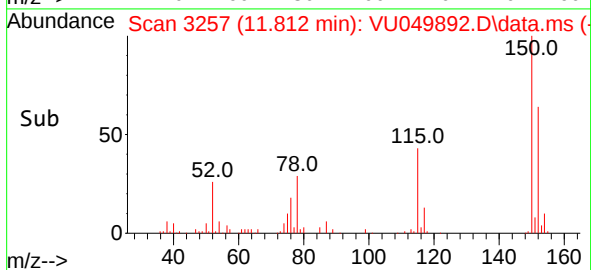
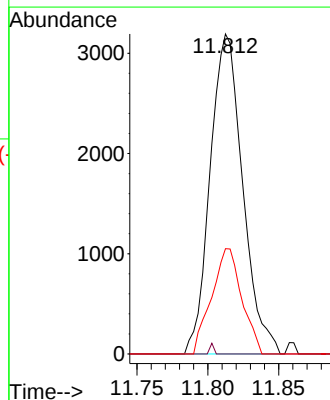
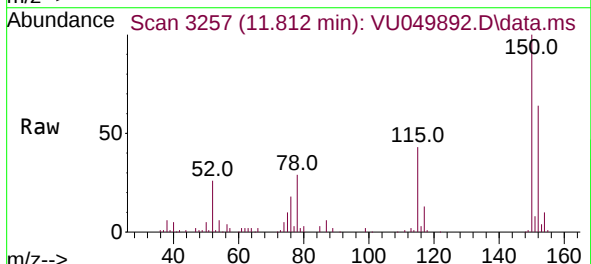
Instrument :
MSVOA_U
ClientSampleId :
GBJ08

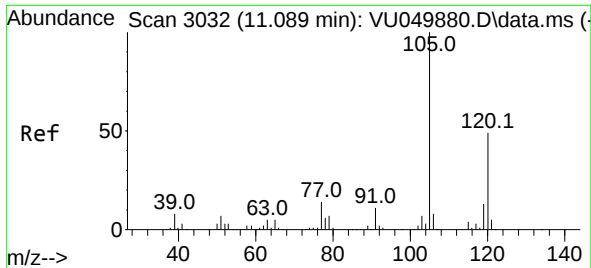
Tgt Ion:129 Resp: 10492
Ion Ratio Lower Upper
129 100
127 0.0 50.5 93.7#



#61
1,2,3-Trichloropropane
Concen: 1.117 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.990 min
Lab File: VU049892.D
Acq: 26 Jul 2022 02:15

Tgt Ion: 75 Resp: 5100
Ion Ratio Lower Upper
75 100
110 0.4 28.0 42.0#
77 30.5 25.4 38.2





#62
 1,3,5-Trimethylbenzene
 Concen: 0.080 ug/L
 RT: 11.472 min Scan# 3151
 Delta R.T. 0.383 min
 Lab File: VU049892.D
 Acq: 26 Jul 2022 02:15

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ08

Tgt Ion:105 Resp: 1540
 Ion Ratio Lower Upper
 105 100
 120 39.7 38.0 57.0

