

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020122\
 Data File : VU046957.D
 Acq On : 01 Feb 2022 12:20
 Operator : SY/MD
 Sample : N1273-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HK7

Quant Time: Feb 02 02:03:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 02 02:02:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	106782	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	116213	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48827	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	55782	6.165	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.200%
7) Chloroethane-d5	1.922	69	41449	5.814	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.200%
11) 1,1-Dichloroethene-d2	2.575	65	20439	5.679	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.600%
20) 2-Butanone-d5	4.652	46	135227	50.447	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.900%
24) Chloroform-d	5.070	84	81375	5.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.710	65	45094	5.213	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	5.732	84	160883	4.710	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.693	67	50850	4.959	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.902	98	127284	4.071	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.182	79	19116	4.245	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.800%
46) 2-Hexanone-d5	8.639	63	110042	41.265	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.540%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	47605	4.624	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	44212	4.828	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.526	50	3141	0.380	ug/L	96
5) Vinyl chloride	1.610	62	285921	33.201	ug/L	95
8) Chloroethane	2.034	64	1251	0.252	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	564	0.090	ug/L #	21
12) 1,1-Dichloroethene	2.587	96	5384	0.903	ug/L #	1
15) Methyl Acetate	2.970	43	1327	0.417	ug/L #	51
18) trans-1,2-Dichloroethene	3.356	96	906	0.140	ug/L	78
19) 1,1-Dichloroethane	3.880	63	25088	2.314	ug/L	96
22) cis-1,2-Dichloroethene	4.674	96	257756	37.836	ug/L	100
33) Benzene	5.780	78	25855	0.945	ug/L	100
34) Trichloroethene	6.545	95	35210	4.956	ug/L	96
35) Methylcyclohexane	6.697	83	11784	0.990	ug/L #	17
37) 1,2-Dichloropropane	6.693	63	5286	0.788	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	1178	0.112	ug/L	96
42) Toluene	7.973	91	6827	0.209	ug/L	89
45) 1,1,2-Trichloroethane	8.272	97	1249	0.219	ug/L #	14
47) Tetrachloroethene	8.555	164	33376	5.777	ug/L	95
49) Dibromochloromethane	8.555	129	32641	4.846	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6223	1.504	ug/L #	64

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QLast Update : Wed Feb 02 02:02:08 2022
Response via : Initial Calibration

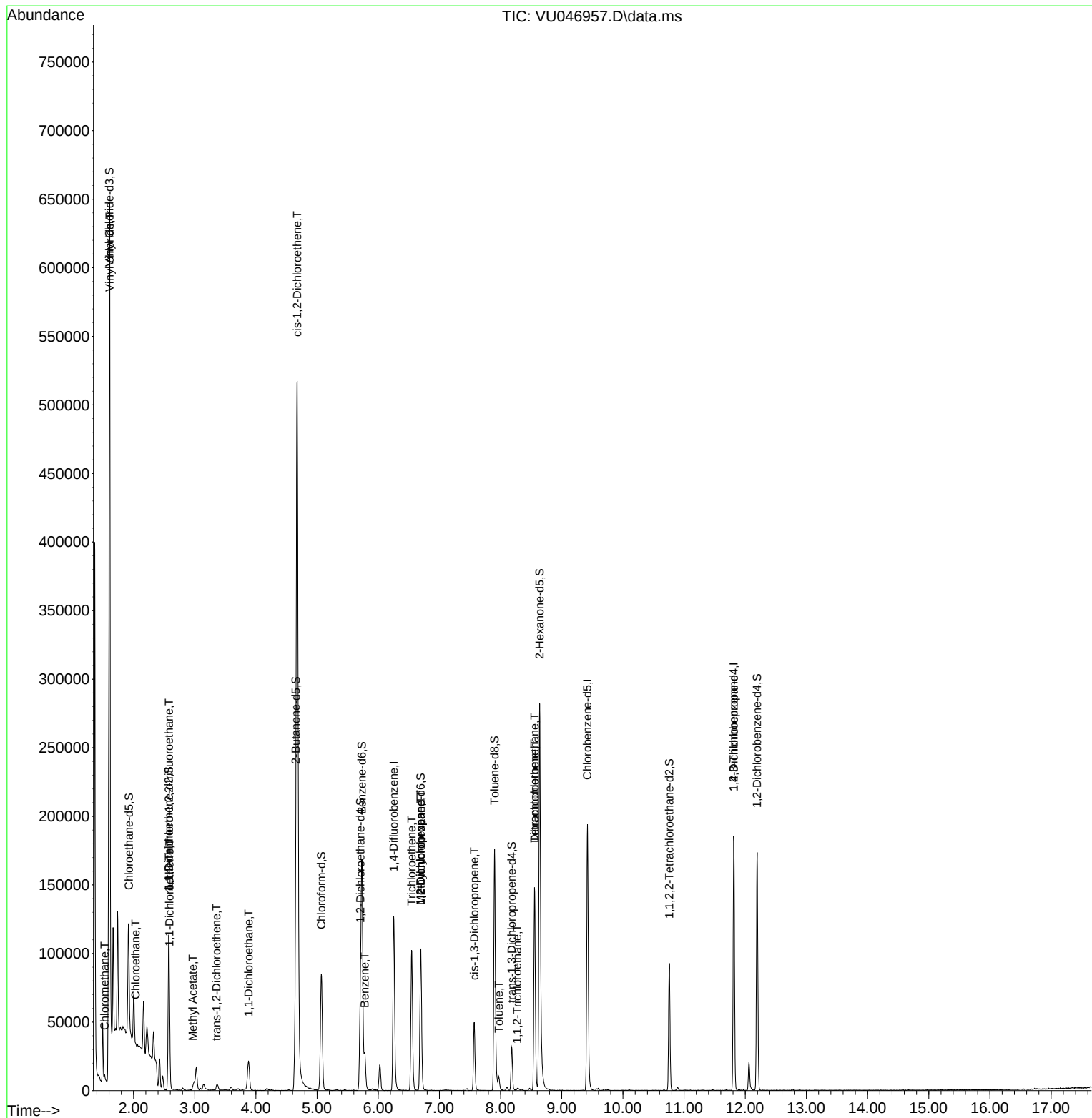
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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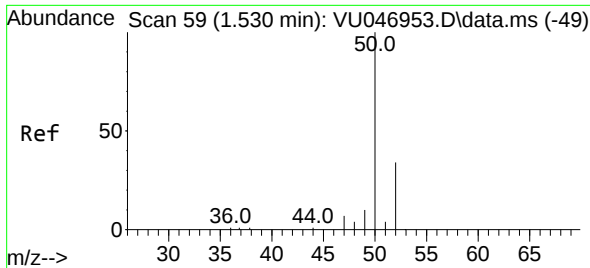
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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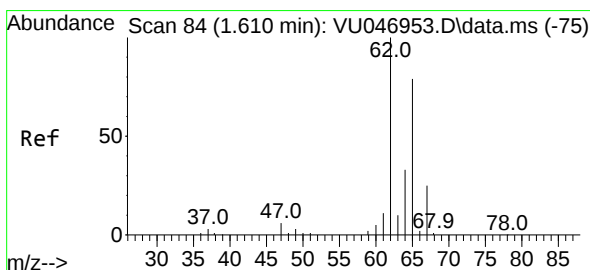
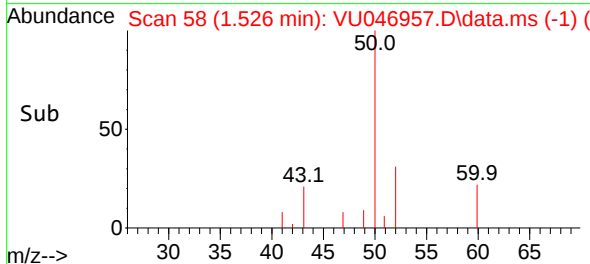
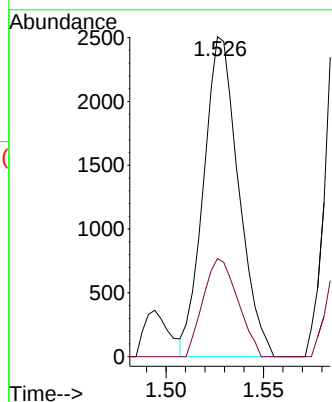
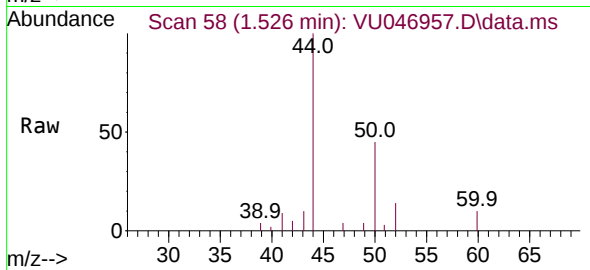




#3
Chloromethane
Concen: 0.380 ug/L
RT: 1.526 min Scan# 50
Delta R.T. -0.003 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

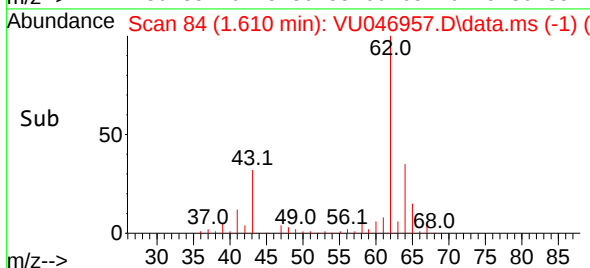
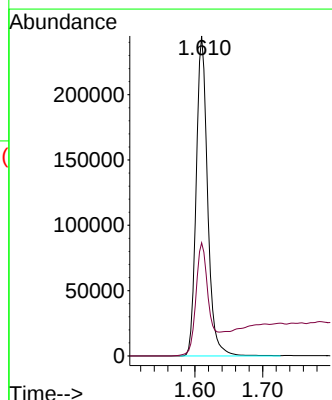
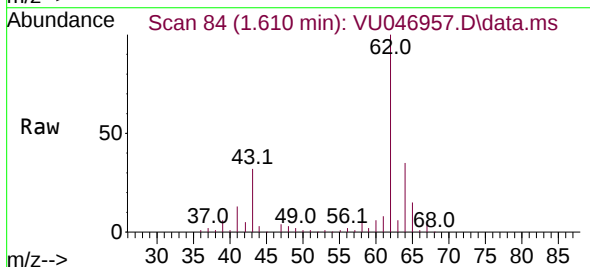
Instrument :
MSVOA_U
ClientSampleId :
C0HK7

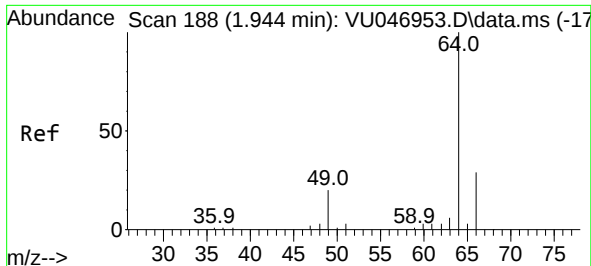
Tgt Ion: 50 Resp: 3141
Ion Ratio Lower Upper
50 100
52 30.7 23.0 42.8



#5
Vinyl chloride
Concen: 33.201 ug/L
RT: 1.610 min Scan# 84
Delta R.T. -0.000 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

Tgt Ion: 62 Resp: 285921
Ion Ratio Lower Upper
62 100
64 35.4 22.9 42.5

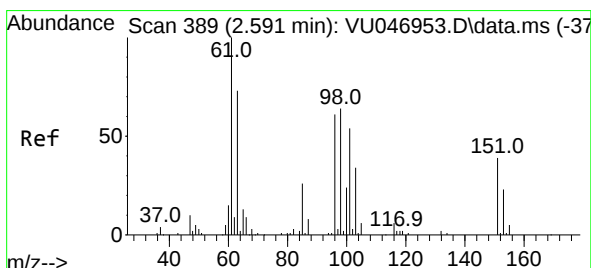
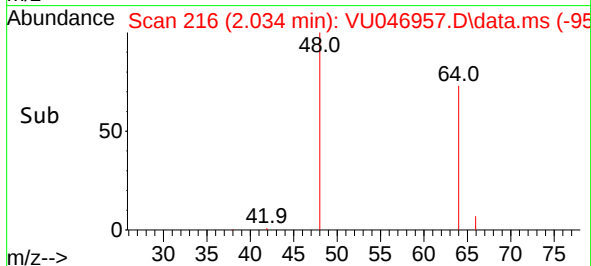
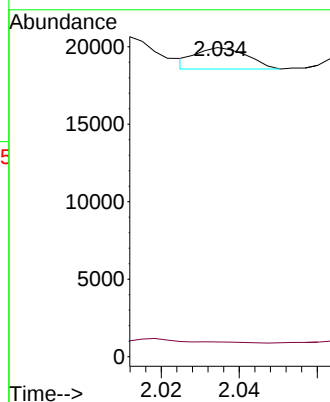
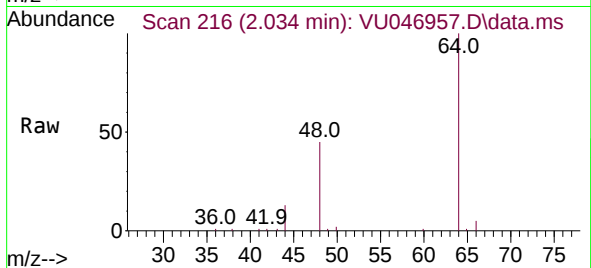




#8
Chloroethane
Concen: 0.252 ug/L
RT: 2.034 min Scan# 216
Delta R.T. 0.090 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

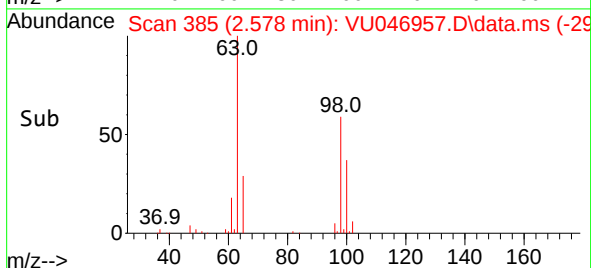
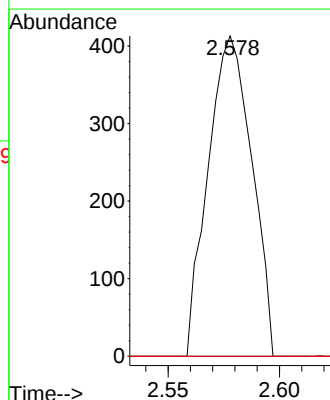
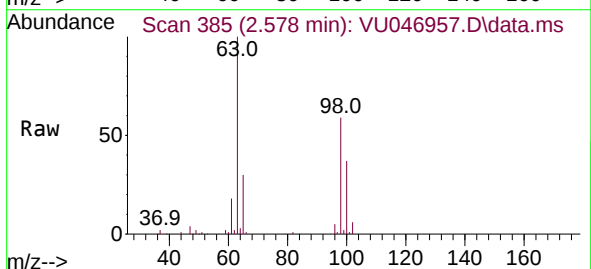
Instrument :
MSVOA_U
ClientSampleId :
C0HK7

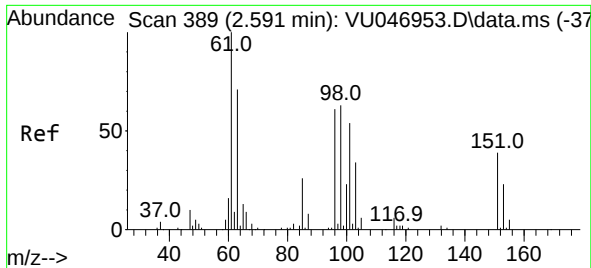
Tgt Ion: 64 Resp: 1251
Ion Ratio Lower Upper
64 100
66 4.8 22.1 41.1#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.090 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.013 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

Tgt Ion: 101 Resp: 564
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.903 ug/L

RT: 2.587 min Scan# 389

Delta R.T. -0.003 min

Lab File: VU046957.D

Acq: 01 Feb 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

C0HK7

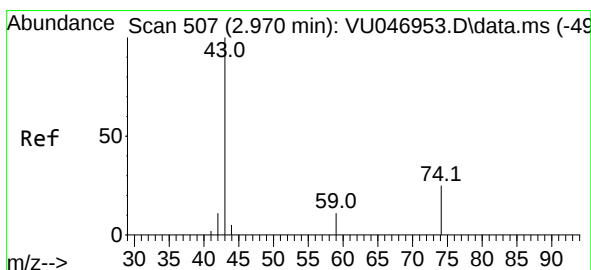
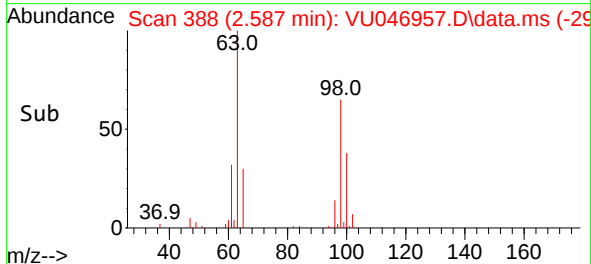
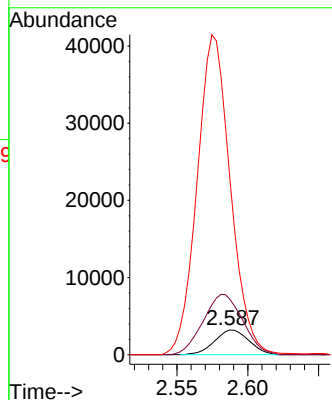
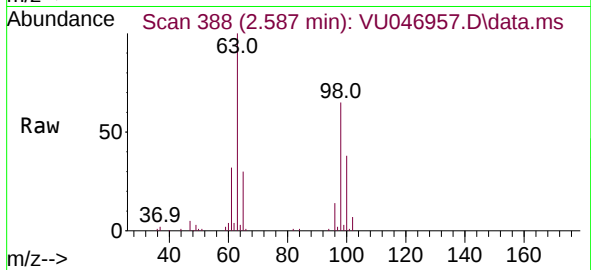
Tgt Ion: 96 Resp: 5384

Ion Ratio Lower Upper

96 100

61 224.7 124.7 231.5

63 709.1 105.2 195.4#



#15

Methyl Acetate

Concen: 0.417 ug/L

RT: 2.970 min Scan# 507

Delta R.T. -0.000 min

Lab File: VU046957.D

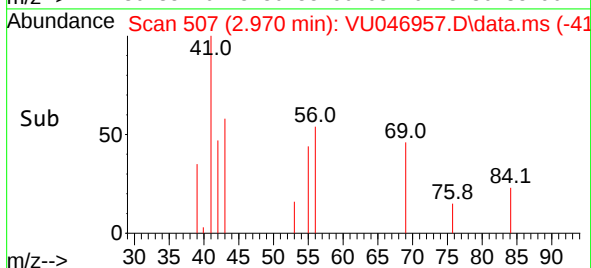
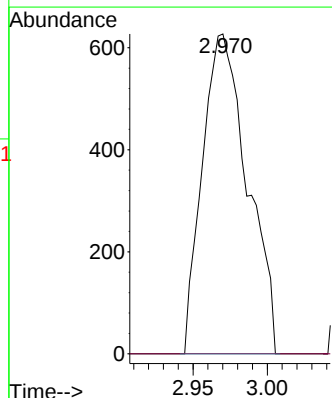
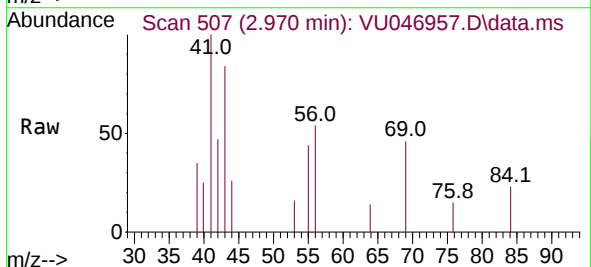
Acq: 01 Feb 2022 12:20

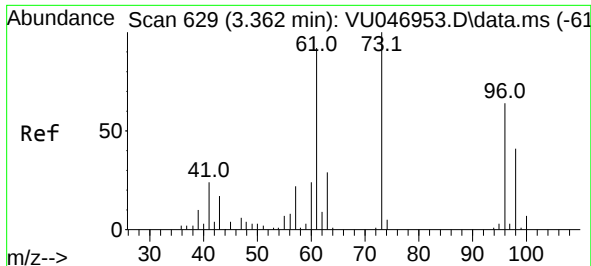
Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

43 100

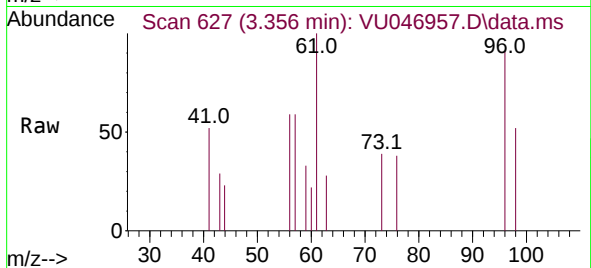
74 0.0 19.1 28.7#



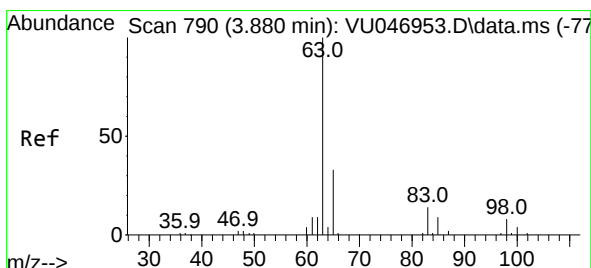
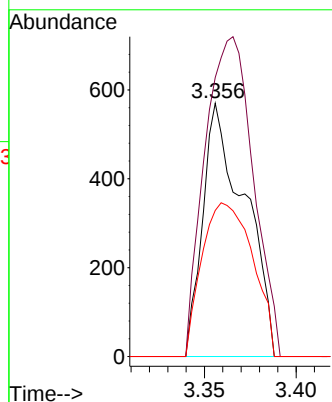


#18
trans-1,2-Dichloroethene
Concen: 0.140 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

Instrument :
MSVOA_U
ClientSampleId :
C0HK7

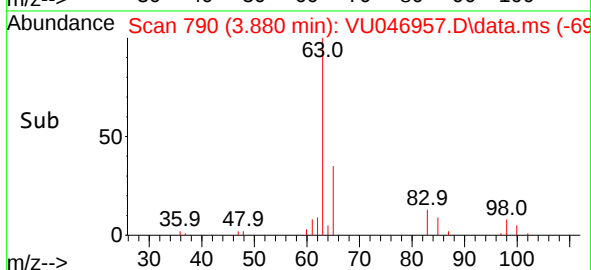
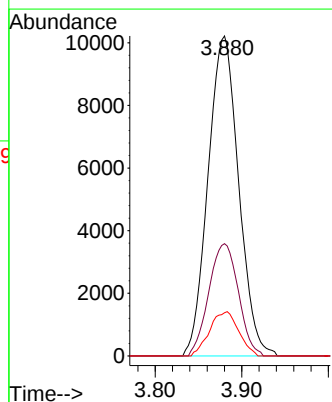
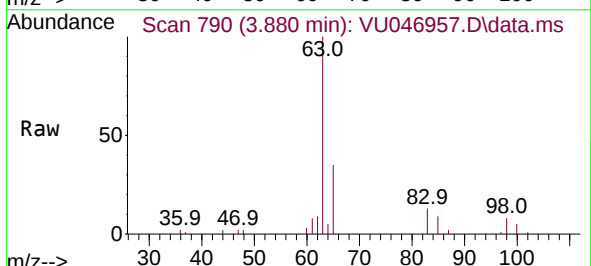


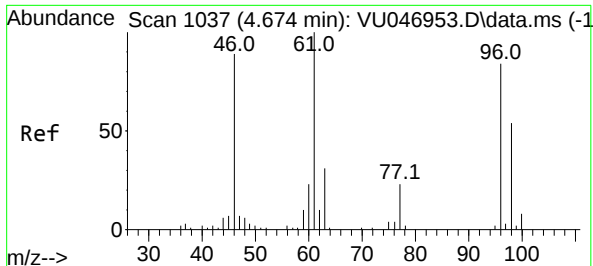
Tgt Ion: 96 Resp: 906
Ion Ratio Lower Upper
96 100
61 110.2 100.8 187.2
98 57.7 45.1 83.7



#19
1,1-Dichloroethane
Concen: 2.314 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

Tgt Ion: 63 Resp: 25088
Ion Ratio Lower Upper
63 100
65 35.1 22.3 41.5
83 13.5 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 37.836 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VU046957.D

Acq: 01 Feb 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

C0HK7

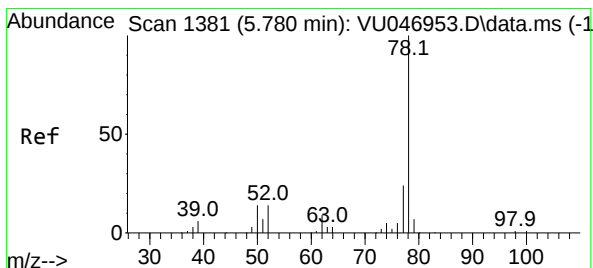
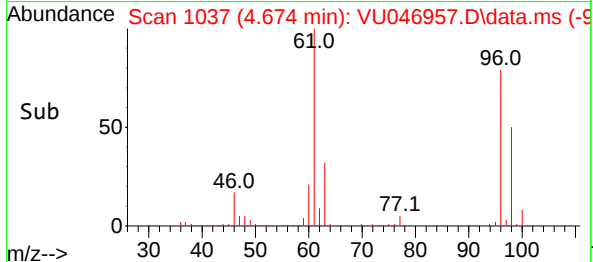
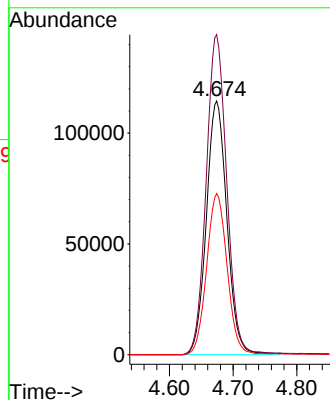
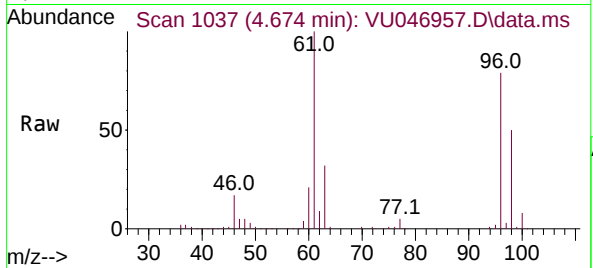
Tgt Ion: 96 Resp: 257756

Ion Ratio Lower Upper

96 100

61 126.1 88.5 164.3

98 63.5 44.4 82.5



#33

Benzene

Concen: 0.945 ug/L

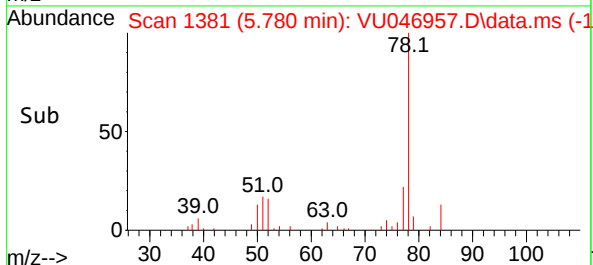
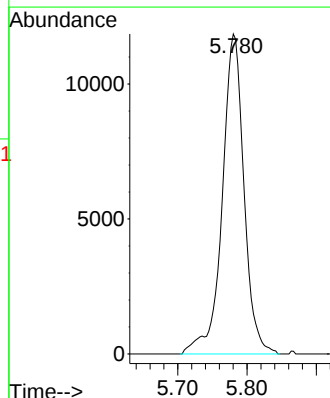
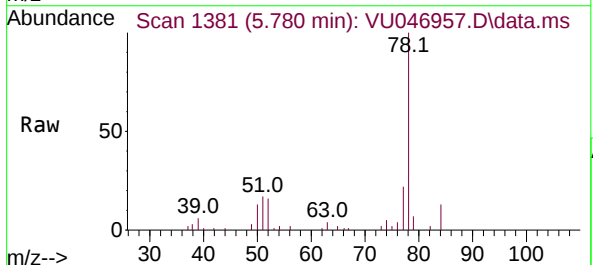
RT: 5.780 min Scan# 1381

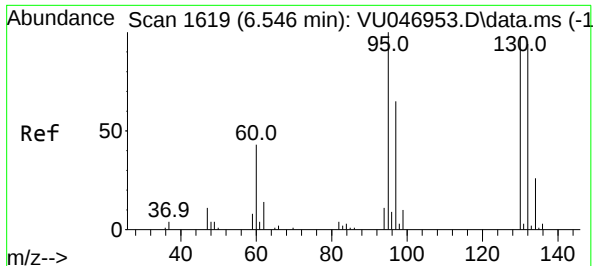
Delta R.T. -0.000 min

Lab File: VU046957.D

Acq: 01 Feb 2022 12:20

Tgt Ion: 78 Resp: 25855

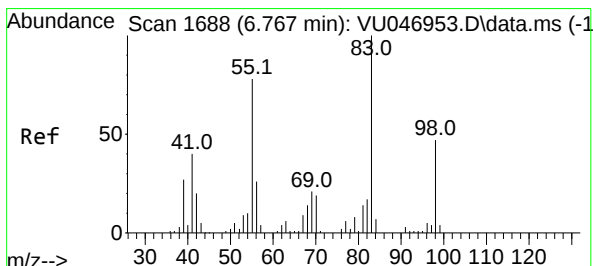
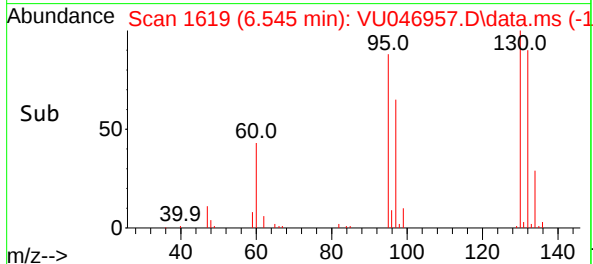
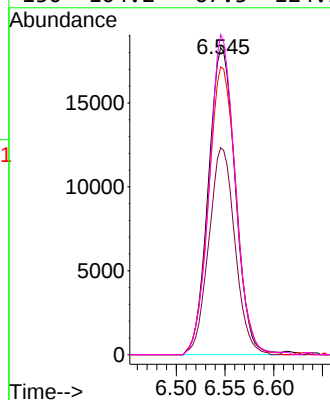
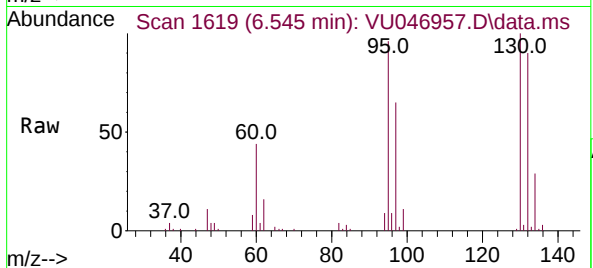




#34
Trichloroethene
Concen: 4.956 ug/L
RT: 6.545 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

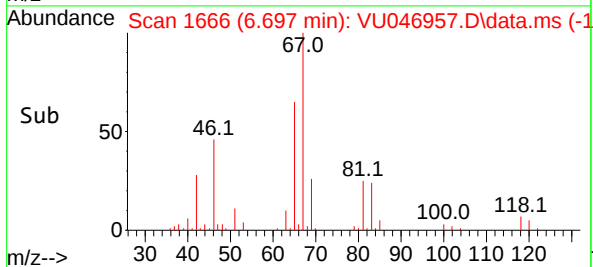
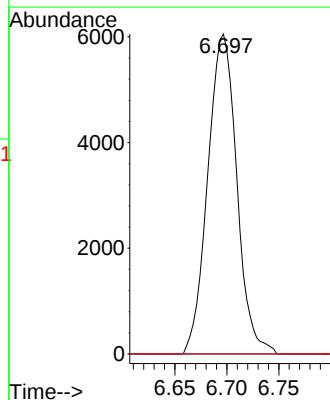
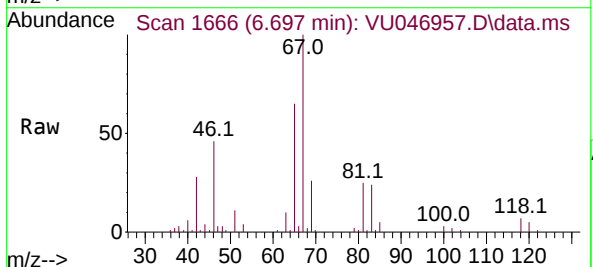
Instrument :
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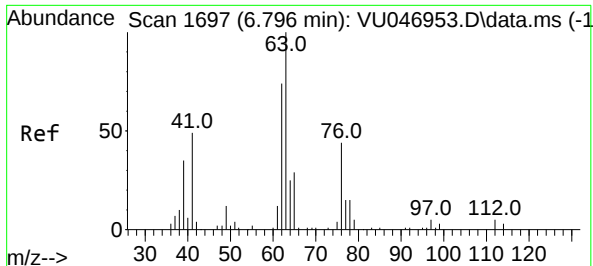
Tgt Ion: 95 Resp: 35210
Ion Ratio Lower Upper
95 100
97 67.4 46.5 86.5
132 93.7 65.1 120.9
130 104.2 67.3 124.9



#35
Methylcyclohexane
Concen: 0.990 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

Tgt Ion: 83 Resp: 11784
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.788 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046957.D

Acq: 01 Feb 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

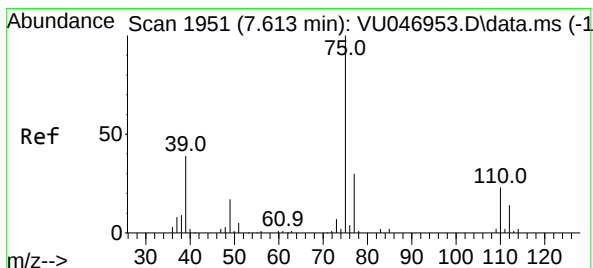
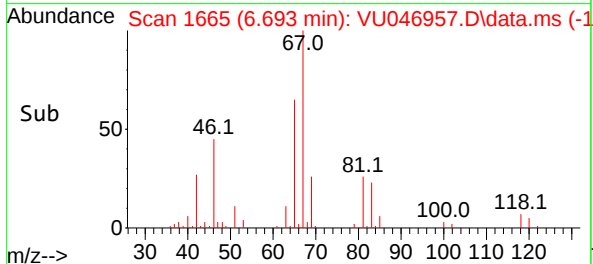
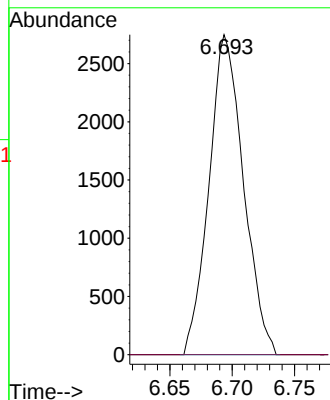
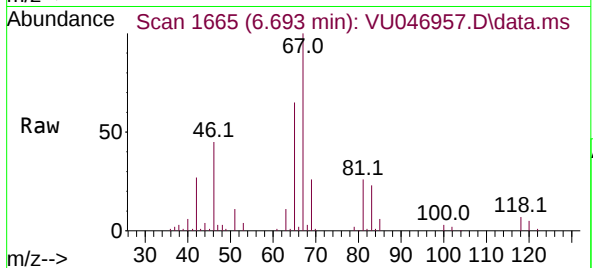
C0HK7

Tgt Ion: 63 Resp: 5286

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.042 min

Lab File: VU046957.D

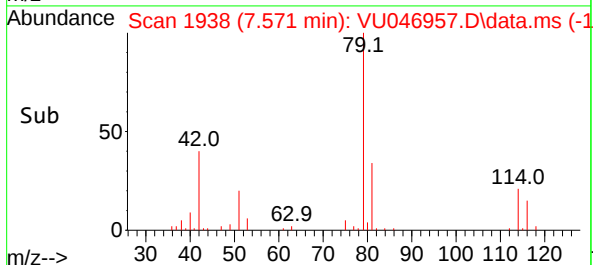
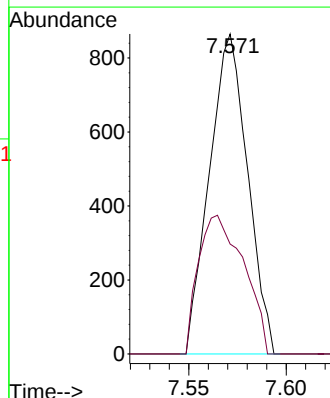
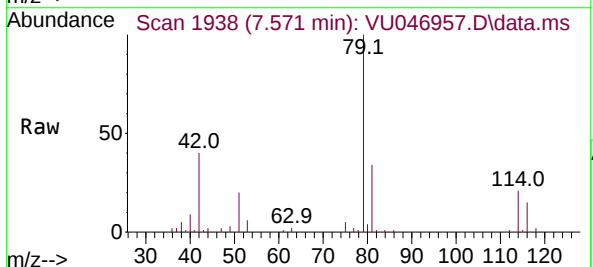
Acq: 01 Feb 2022 12:20

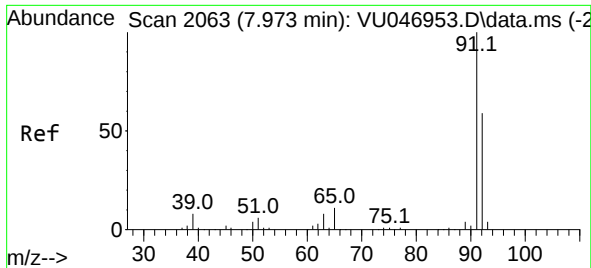
Tgt Ion: 75 Resp: 1178

Ion Ratio Lower Upper

75 100

77 34.3 22.5 41.9





#42

Toluene

Concen: 0.209 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046957.D

Acq: 01 Feb 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

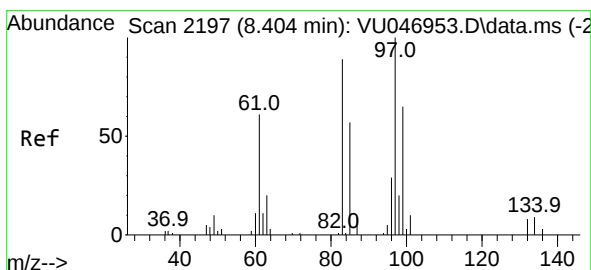
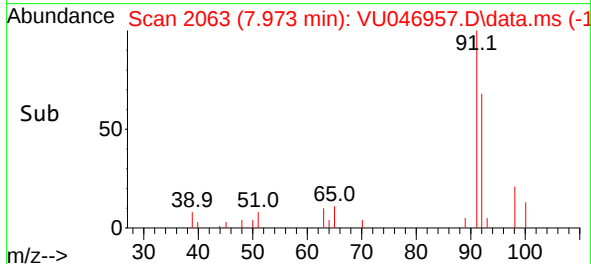
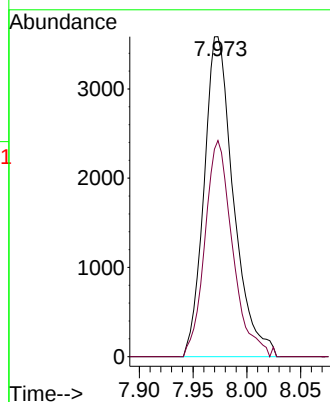
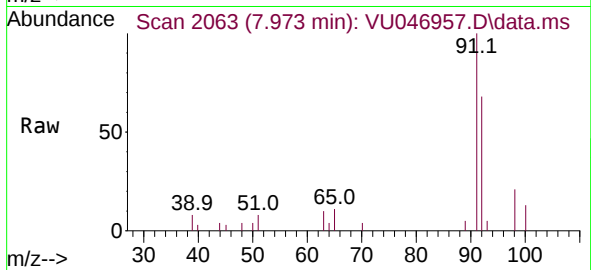
C0HK7

Tgt Ion: 91 Resp: 6827

Ion Ratio Lower Upper

91 100

92 67.5 41.3 76.7



#45

1,1,2-Trichloroethane

Concen: 0.219 ug/L

RT: 8.272 min Scan# 2156

Delta R.T. -0.132 min

Lab File: VU046957.D

Acq: 01 Feb 2022 12:20

Tgt Ion: 97 Resp: 1249

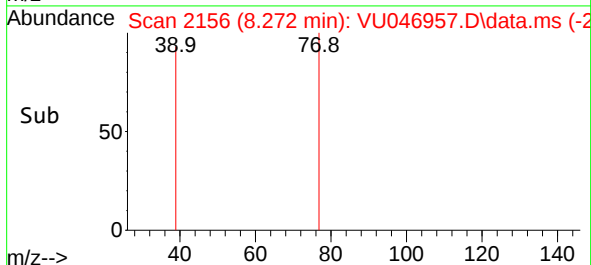
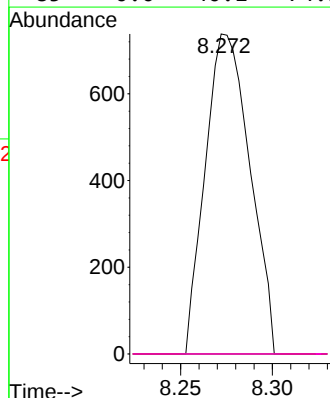
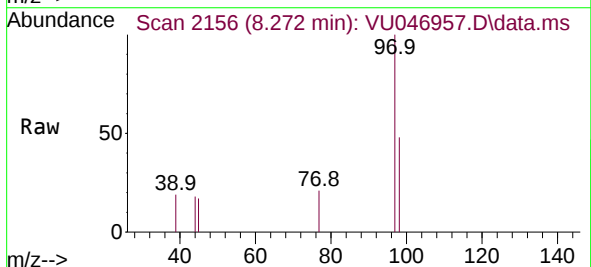
Ion Ratio Lower Upper

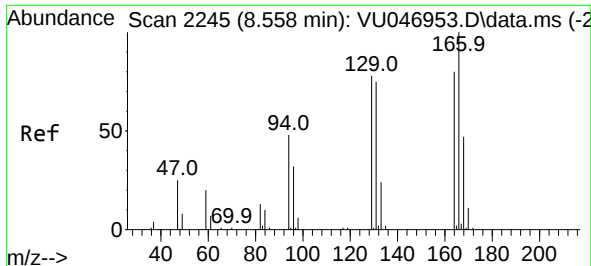
97 100

99 0.0 42.3 78.5#

83 0.0 62.0 115.2#

85 0.0 40.1 74.5#

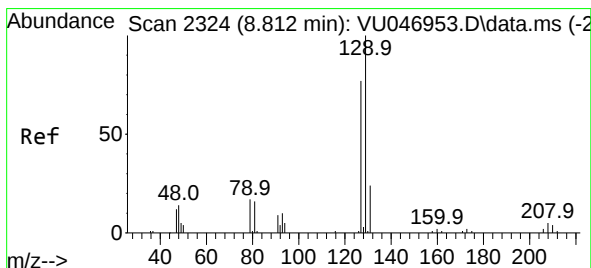
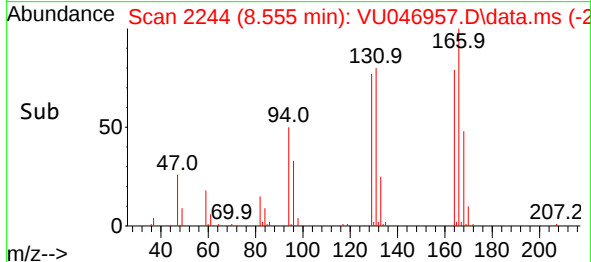
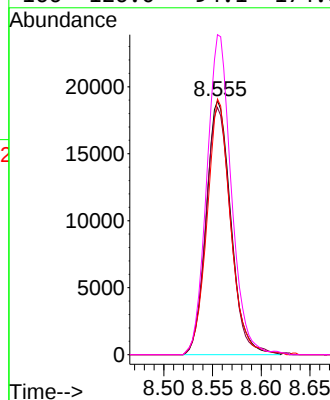
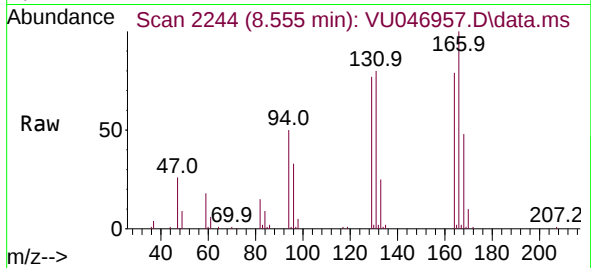




#47
Tetrachloroethene
Concen: 5.777 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

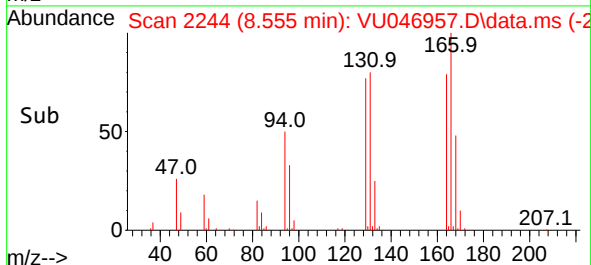
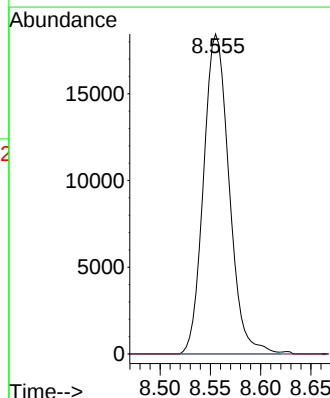
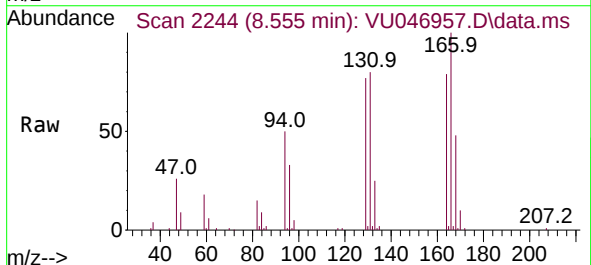
Instrument :
MSVOA_U
ClientSampleId :
C0HK7

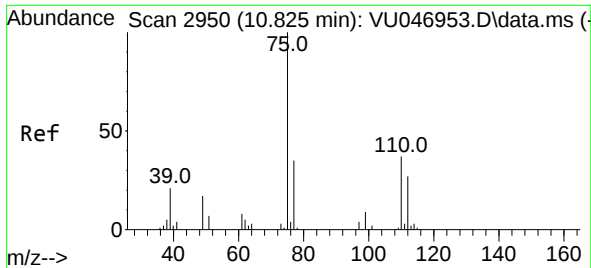
Tgt Ion:164	Resp:	33376
Ion Ratio	Lower	Upper
164	100	
129	97.3	71.8 133.4
131	100.7	68.5 127.3
166	126.0	94.1 174.8



#49
Dibromochloromethane
Concen: 4.846 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046957.D
Acq: 01 Feb 2022 12:20

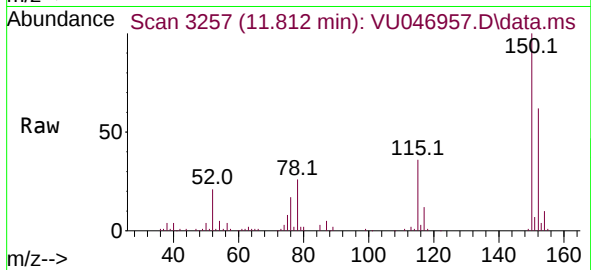
Tgt Ion:129	Resp:	32641
Ion Ratio	Lower	Upper
129	100	
127	0.0	55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.504 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046957.D
 Acq: 01 Feb 2022 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HK7



Tgt Ion: 75 Resp: 6223
 Ion Ratio Lower Upper
 75 100
 110 0.8 29.9 44.9#
 77 28.1 25.5 38.3

