

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047671.D
 Acq On : 25 Mar 2022 14:14
 Operator : SY/MD
 Sample : N2081-04DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X3DL

Quant Time: Mar 26 02:08:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:04:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	347379	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	355052	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	191089	50.000	ug/L	0.00

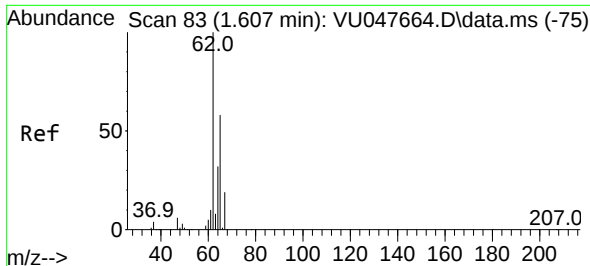
System Monitoring Compounds

4) Vinyl Chloride-d3	1.600	65	122272	48.539	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.080%
7) Chloroethane-d5	1.919	69	108955	54.854	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.700%
11) 1,1-Dichloroethene-d2	2.571	63	168694	36.602	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.200%
21) 2-Butanone-d5	4.632	46	240778	111.359	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.360%
24) Chloroform-d	5.066	84	230420	49.991	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.980%
26) 1,2-Dichloroethane-d4	5.706	65	150417	53.209	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.420%
32) Benzene-d6	5.729	84	474379	53.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.200%
36) 1,2-Dichloropropane-d6	6.693	67	148627	54.169	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.340%
41) Toluene-d8	7.899	98	439760	50.521	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.040%
43) trans-1,3-Dichloroprop...	8.182	79	70969	51.056	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.120%
47) 2-Hexanone-d5	8.635	63	180628	112.457	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.460%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	237845	50.511	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.020%
66) 1,2-Dichlorobenzene-d4	12.195	152	187871	55.262	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.520%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.607	62	1847	0.588	ug/L	# 1
8) Chloroethane	1.938	64	22042	11.178	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	1703	0.665	ug/L	# 18
12) 1,1-Dichloroethene	2.575	96	2200	0.923	ug/L	# 1
19) 1,1-Dichloroethane	3.874	63	42155	9.510	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	28540	10.129	ug/L	94
30) 1,1,1-Trichloroethane	5.317	97	18707	4.647	ug/L	98
31) Carbon tetrachloride	5.321	117	2669	0.734	ug/L	90
37) 1,2-Dichloropropane	6.690	63	15883	6.079	ug/L	# 87
39) cis-1,3-Dichloropropene	7.568	75	4345	1.072	ug/L	# 58
44) trans-1,3-Dichloropropene	8.182	75	2913	0.720	ug/L	# 78
46) Tetrachloroethene	8.555	164	4855	2.005	ug/L	98
48) 2-Hexanone	8.635	43	21295	5.995	ug/L	# 68
49) Dibromochloromethane	8.555	129	4515	1.407	ug/L	# 11
63) 1,2,4-Trimethylbenzene	11.468	105	12388	1.455	ug/L	99

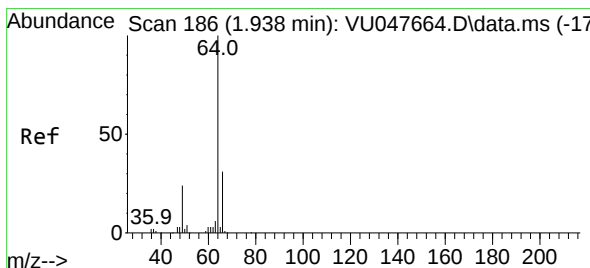
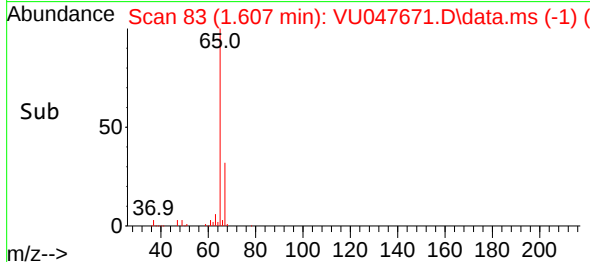
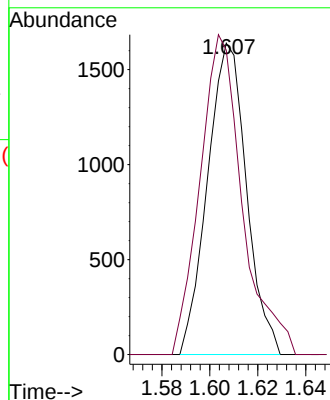
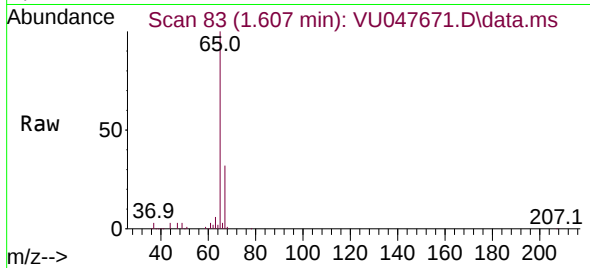
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.588 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047671.D
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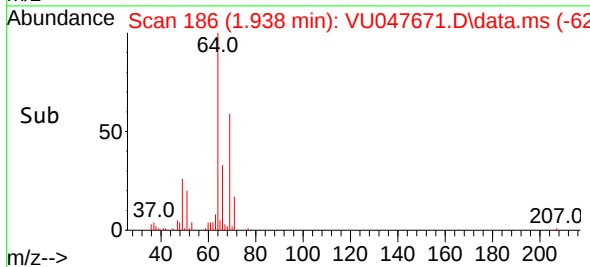
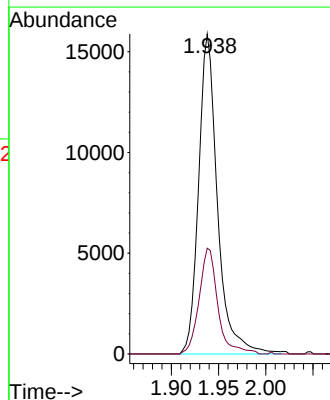
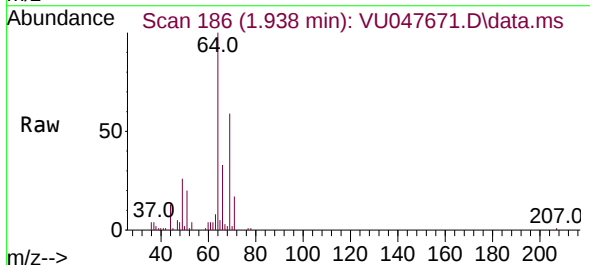
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X3DL

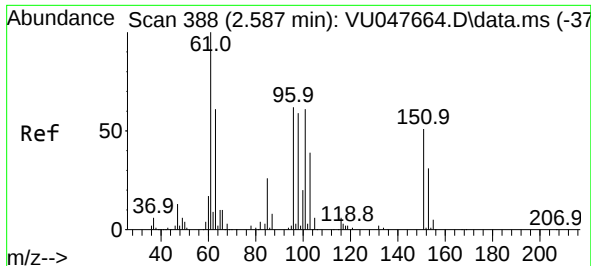
Tgt Ion: 62 Resp: 1847
 Ion Ratio Lower Upper
 62 100
 64 97.7 23.7 43.9#



#8
 Chloroethane
 Concen: 11.178 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047671.D
 Acq: 25 Mar 2022 14:14

Tgt Ion: 64 Resp: 22042
 Ion Ratio Lower Upper
 64 100
 66 33.0 23.3 43.3

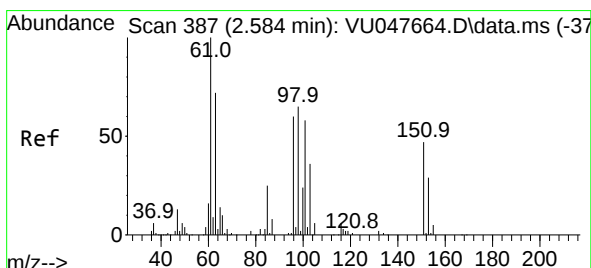
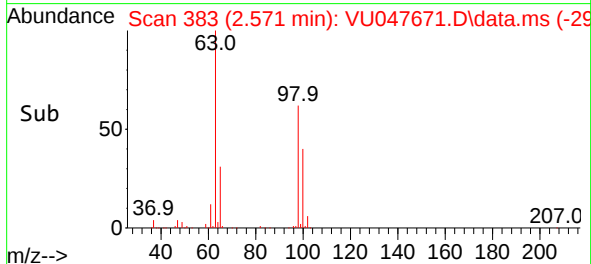
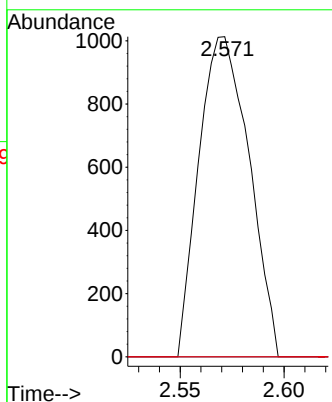
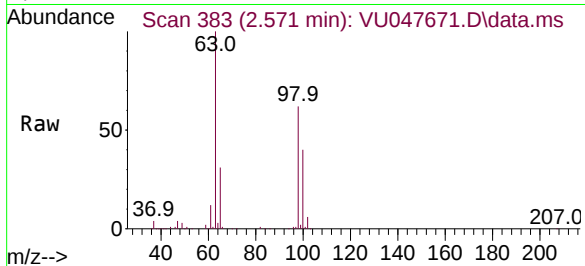




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.665 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU047671.D
Acq: 25 Mar 2022 14:14

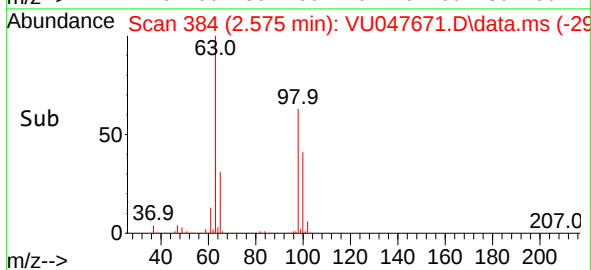
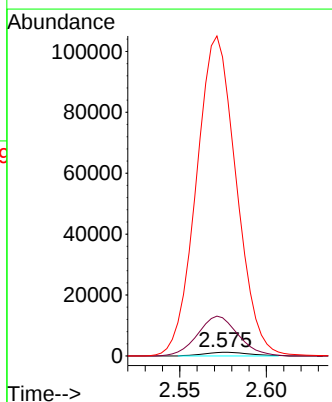
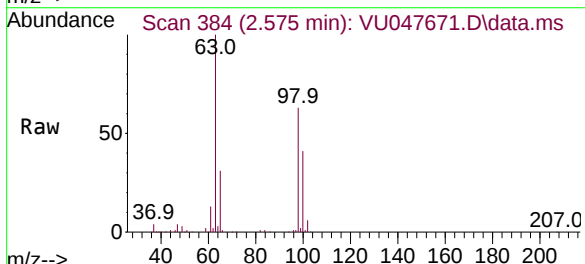
Instrument :
MSVOA_U
ClientSampleId :
EW5X3DL

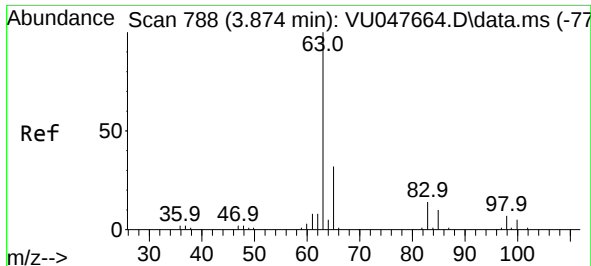
Tgt Ion:101 Resp: 1703
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#12
1,1-Dichloroethene
Concen: 0.923 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU047671.D
Acq: 25 Mar 2022 14:14

Tgt Ion: 96 Resp: 2200
Ion Ratio Lower Upper
96 100
61 1027.7 113.1 210.1#
63 8046.6 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 9.510 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047671.D

Acq: 25 Mar 2022 14:14

Instrument :

MSVOA_U

ClientSampleId :

EW5X3DL

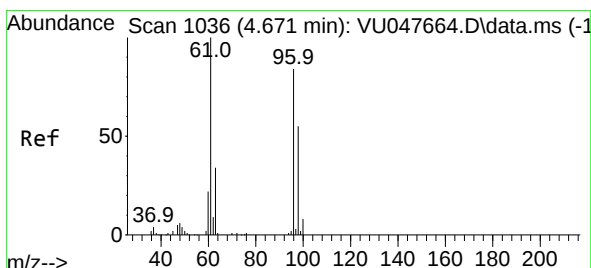
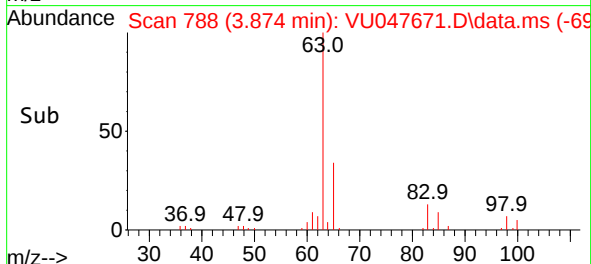
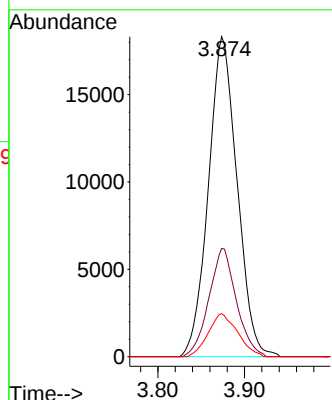
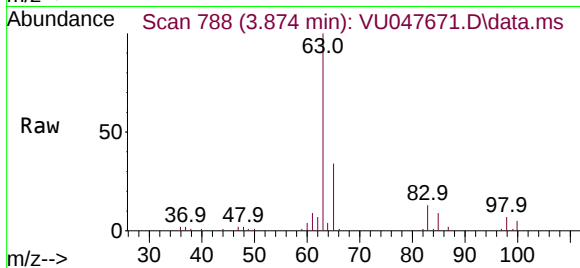
Tgt Ion: 63 Resp: 42155

Ion Ratio Lower Upper

63 100

65 33.9 22.0 41.0

83 13.5 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 10.129 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047671.D

Acq: 25 Mar 2022 14:14

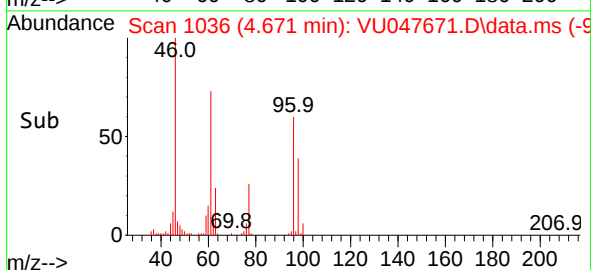
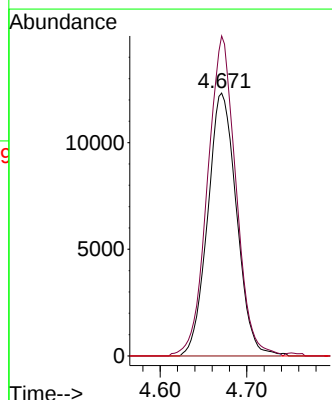
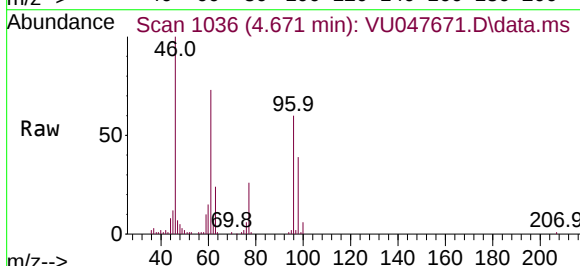
Tgt Ion: 96 Resp: 28540

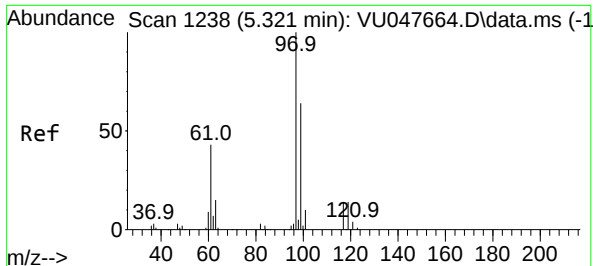
Ion Ratio Lower Upper

96 100

61 121.7 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 4.647 ug/L

RT: 5.317 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU047671.D

Acq: 25 Mar 2022 14:14

Instrument :

MSVOA_U

ClientSampleId :

EW5X3DL

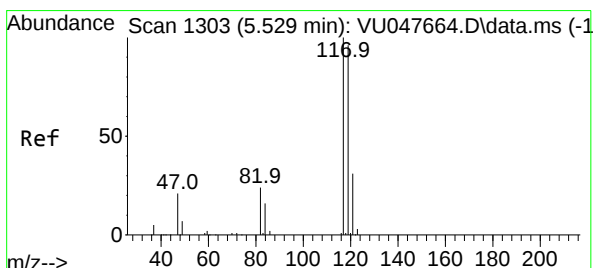
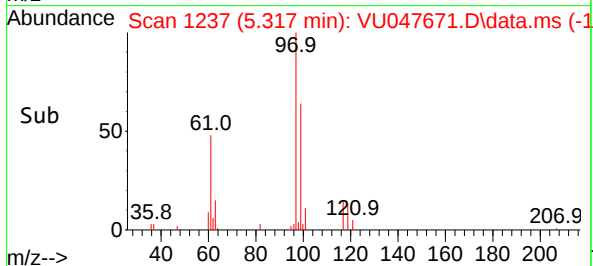
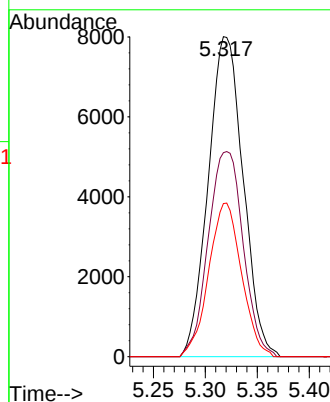
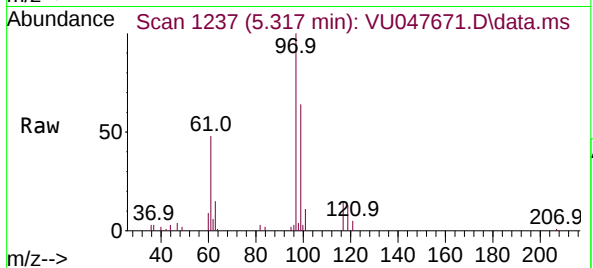
Tgt Ion: 97 Resp: 18707

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 45.1 34.2 51.4



#31

Carbon tetrachloride

Concen: 0.734 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047671.D

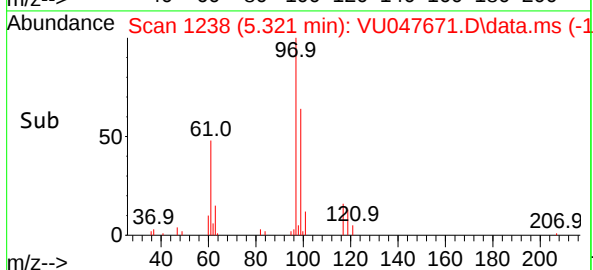
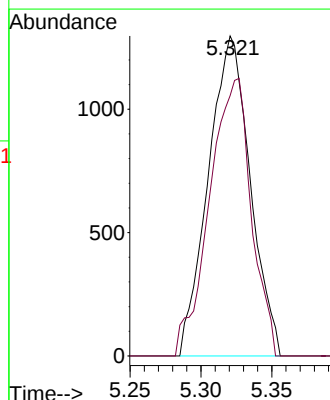
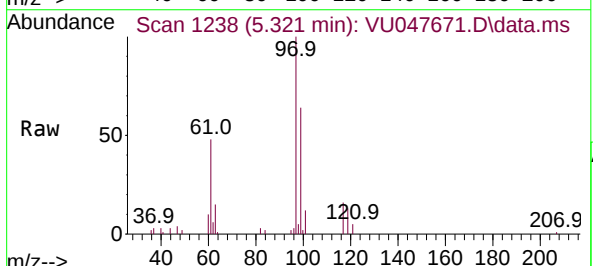
Acq: 25 Mar 2022 14:14

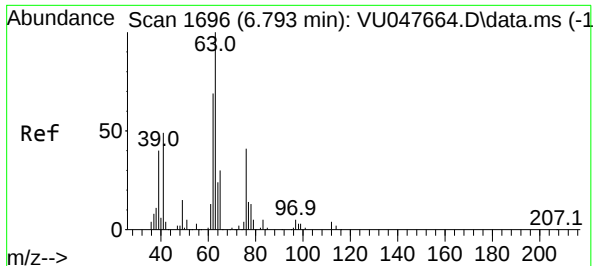
Tgt Ion:117 Resp: 2669

Ion Ratio Lower Upper

117 100

119 86.4 77.2 115.8





#37

1,2-Dichloropropane

Concen: 6.079 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU047671.D

Acq: 25 Mar 2022 14:14

Instrument :

MSVOA_U

ClientSampleId :

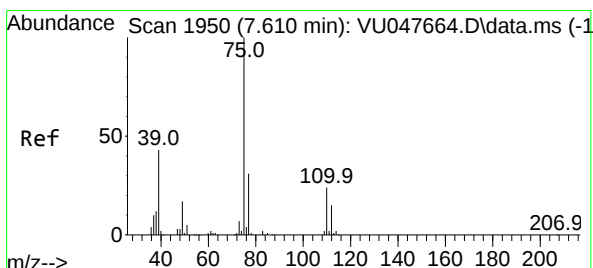
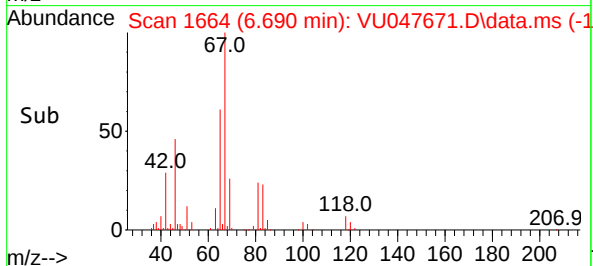
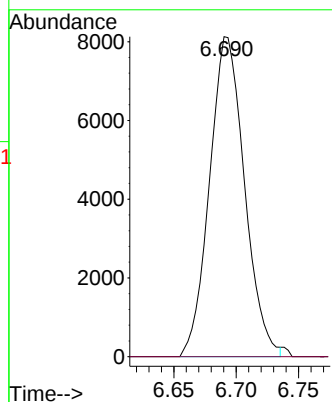
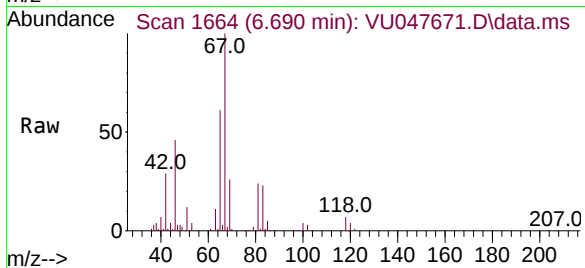
EW5X3DL

Tgt Ion: 63 Resp: 15883

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 1.072 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU047671.D

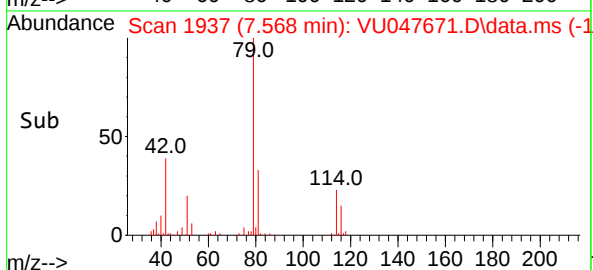
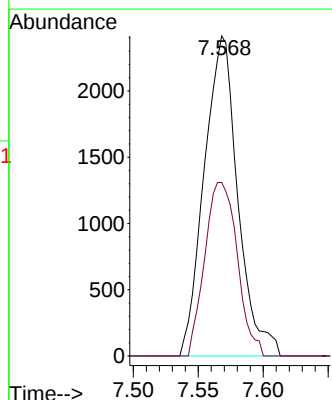
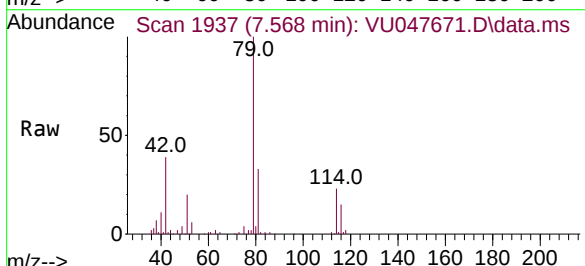
Acq: 25 Mar 2022 14:14

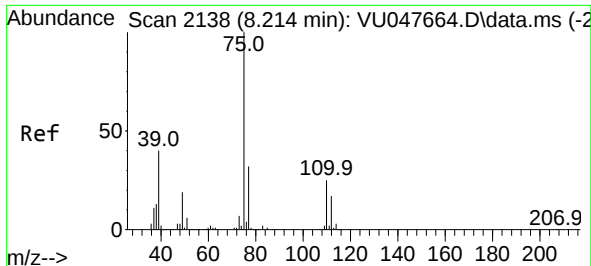
Tgt Ion: 75 Resp: 4345

Ion Ratio Lower Upper

75 100

77 54.2 21.8 40.6#

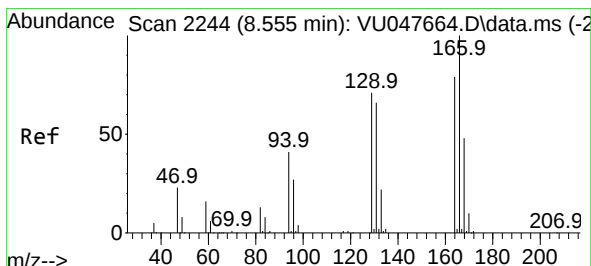
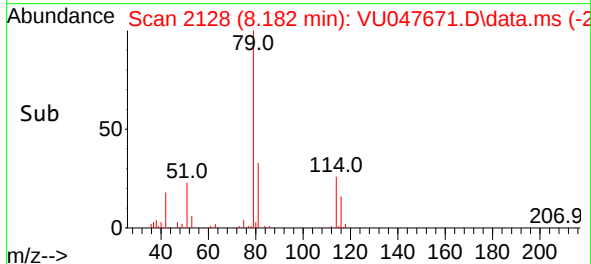
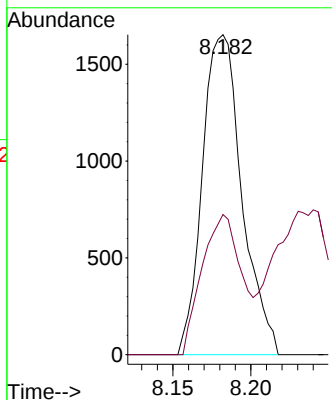
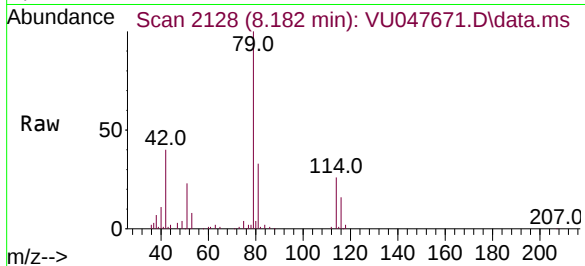




#44
trans-1,3-Dichloropropene
Concen: 0.720 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU047671.D
Acq: 25 Mar 2022 14:14

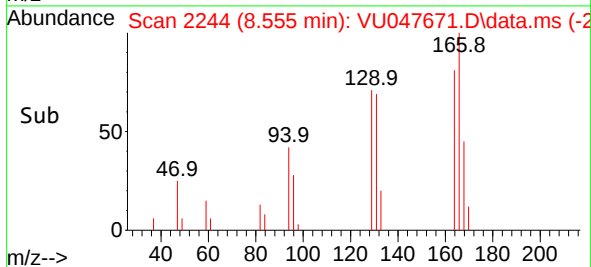
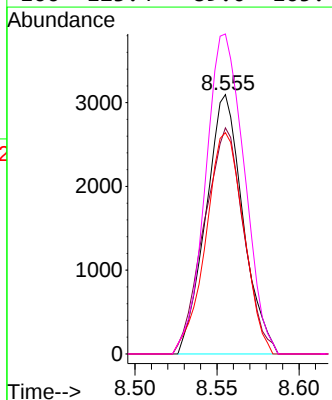
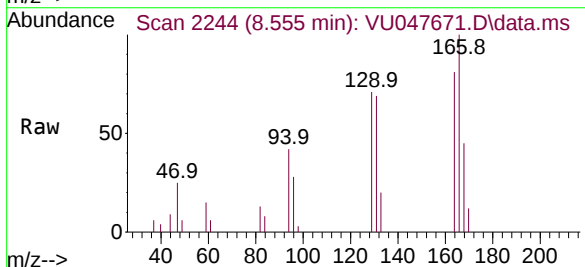
Instrument :
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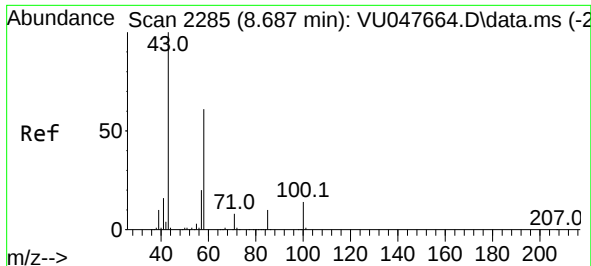
Tgt Ion: 75 Resp: 2913
Ion Ratio Lower Upper
75 100
77 43.8 22.0 40.8#



#46
Tetrachloroethene
Concen: 2.005 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047671.D
Acq: 25 Mar 2022 14:14

Tgt Ion: 164 Resp: 4855
Ion Ratio Lower Upper
164 100
129 87.1 62.4 116.0
131 85.3 60.7 112.7
166 123.4 89.0 165.4

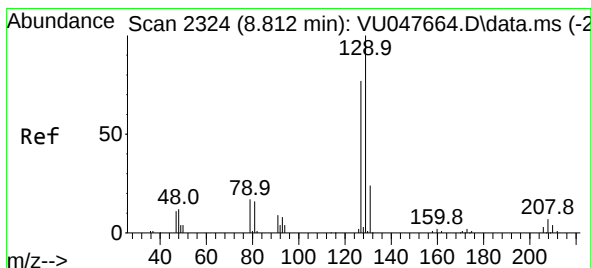
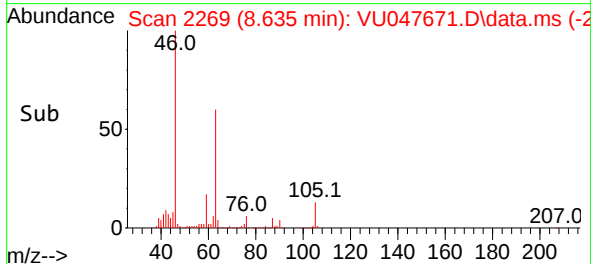
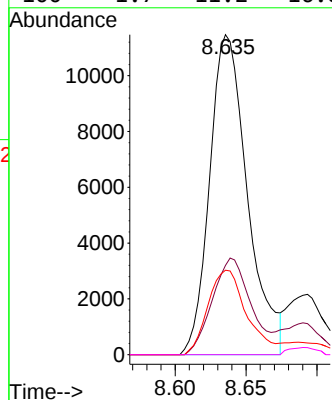
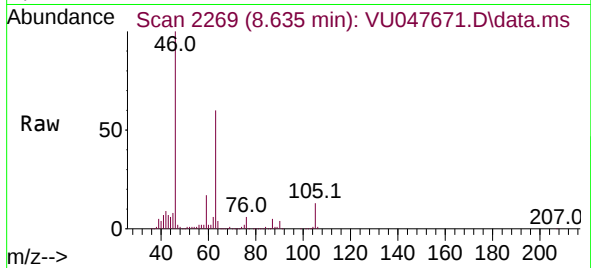




#48
2-Hexanone
Concen: 5.995 ug/L
RT: 8.635 min Scan# 21295
Delta R.T. -0.051 min
Lab File: VU047671.D
Acq: 25 Mar 2022 14:14

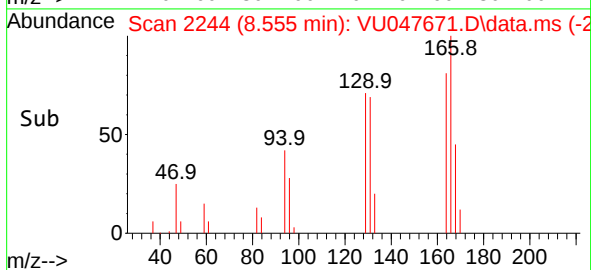
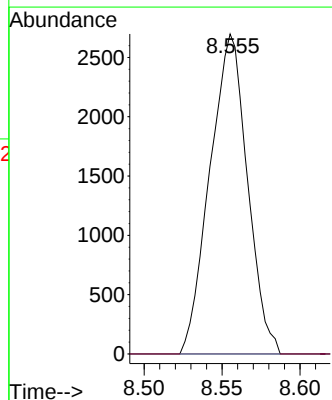
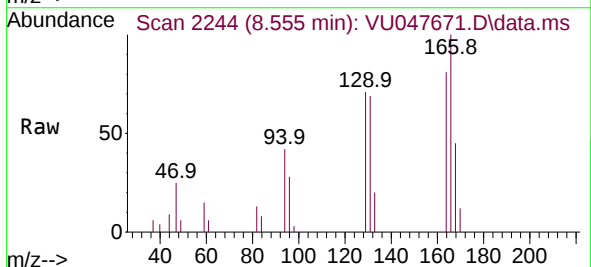
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MSVOA_U
ClientSampleId :
EW5X3DL

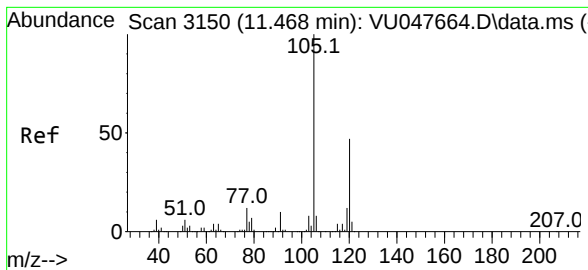
Tgt Ion: 43	Resp: 21295
Ion Ratio	Lower Upper
43 100	
58 30.7	48.1 72.1#
57 26.9	16.2 24.4#
100 1.7	11.2 16.8#



#49
Dibromochloromethane
Concen: 1.407 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU047671.D
Acq: 25 Mar 2022 14:14

Tgt Ion:129	Resp:	4515	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.2	100.6#





#63
 1,2,4-Trimethylbenzene
 Concen: 1.455 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU047671.D
 Acq: 25 Mar 2022 14:14

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X3DL

Tgt Ion:105 Resp: 12388
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.6 56.4

