

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111721\
 Data File : VU045851.D
 Acq On : 17 Nov 2021 19:40
 Operator : SY/MD
 Sample : M4664-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

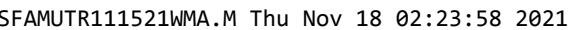
Quant Time: Nov 18 02:23:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 02:11:55 2021
 Response via : Initial Calibration

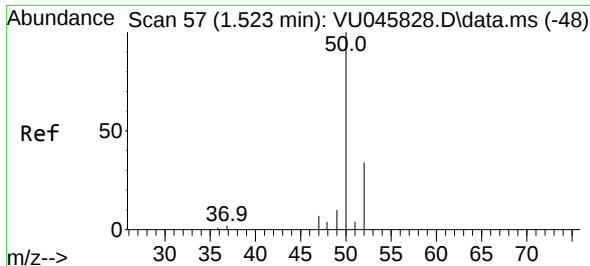
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	97920	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	101390	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	46776	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	43081	5.553	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.000%
7) Chloroethane-d5	1.916	69	30356	5.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.400%
11) 1,1-Dichloroethene-d2	2.572	65	16320	5.016	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	4.642	46	105461	50.725	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.460%
24) Chloroform-d	5.067	84	64859	5.018	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	5.707	65	37321	4.921	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.732	84	132495	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
36) 1,2-Dichloropropane-d6	6.694	67	42257	4.802	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.903	98	113843	4.507	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	8.182	79	16123	4.513	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.636	63	76769	47.746	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.500%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	35203	4.735	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	42394	5.278	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						Qvalue
3) Chloromethane	1.527	50	2582	0.306	ug/L #	49
5) Vinyl chloride	1.607	62	263045	31.019	ug/L #	33
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	455	0.071	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	1000	0.165	ug/L #	1
17) Methyl tert-butyl Ether	3.366	73	8064	0.511	ug/L	94
18) trans-1,2-Dichloroethene	3.359	96	32170	4.951	ug/L	96
19) 1,1-Dichloroethane	3.880	63	4135	0.340	ug/L	96
22) cis-1,2-Dichloroethene	4.671	96	373840	53.066	ug/L	99
33) Benzene	5.777	78	8079	0.286	ug/L	100
34) Trichloroethene	6.546	95	16776	2.301	ug/L	97
35) Methylcyclohexane	6.694	83	9654	0.862	ug/L #	19
37) 1,2-Dichloropropane	6.691	63	4365	0.586	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1061	0.100	ug/L	88
61) 1,2,3-Trichloropropane	11.813	75	6178	1.272	ug/L #	66

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

Quant Time: Nov 18 02:23:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

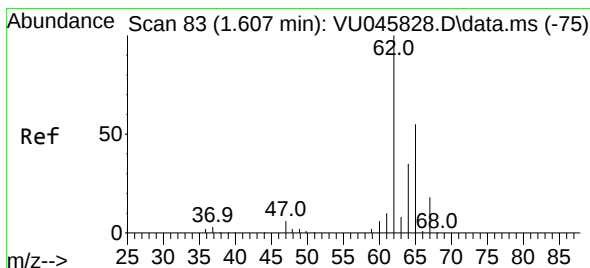
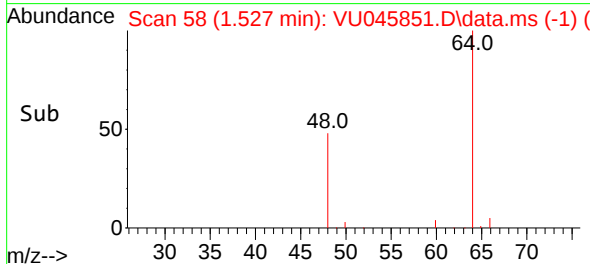
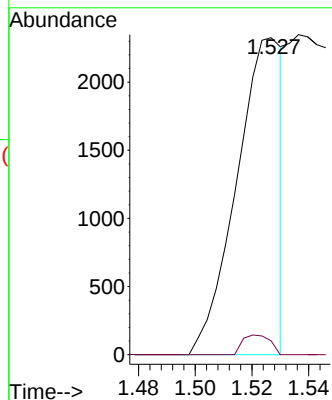
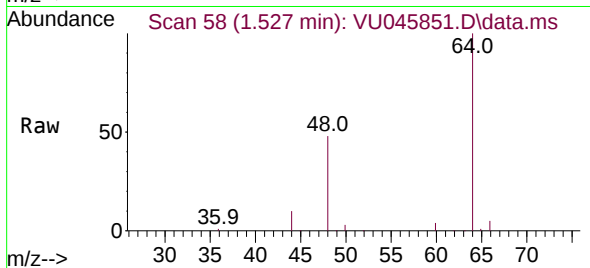




#3
Chloromethane
Concen: 0.306 ug/L
RT: 1.527 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045851.D
Acq: 17 Nov 2021 19:40

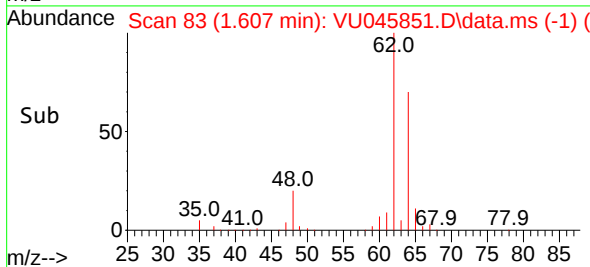
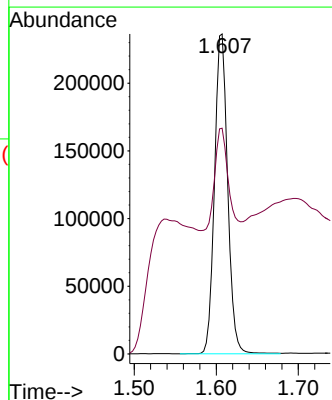
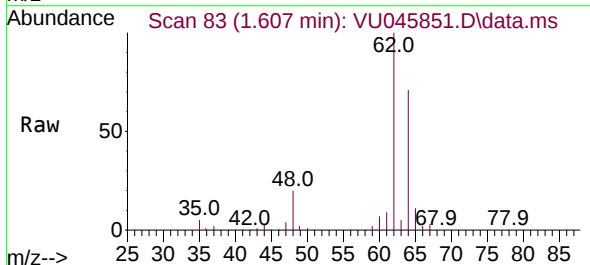
Instrument :
MSVOA_U
ClientSampleId :

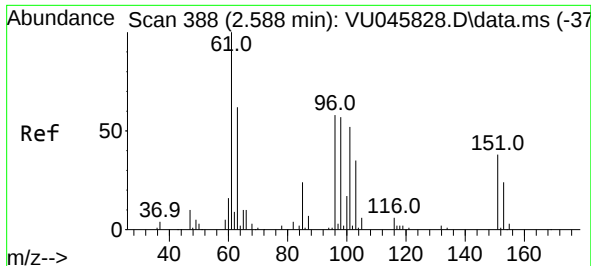
Tgt Ion: 50 Resp: 2582
Ion Ratio Lower Upper
50 100
52 4.4 23.0 42.8#



#5
Vinyl chloride
Concen: 31.019 ug/L
RT: 1.607 min Scan# 83
Delta R.T. 0.000 min
Lab File: VU045851.D
Acq: 17 Nov 2021 19:40

Tgt Ion: 62 Resp: 263045
Ion Ratio Lower Upper
62 100
64 70.5 22.9 42.5#

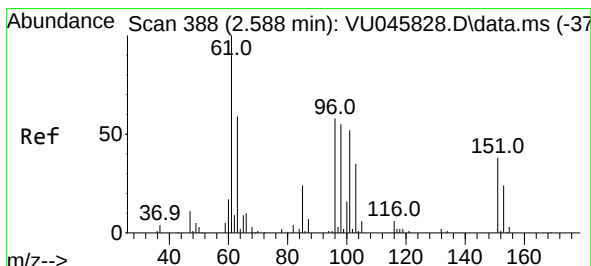
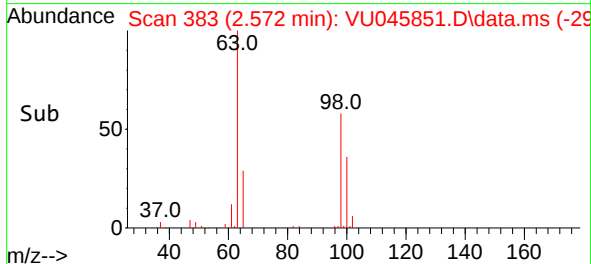
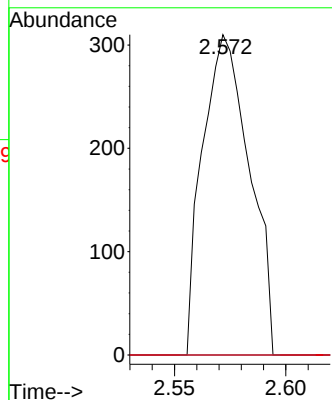
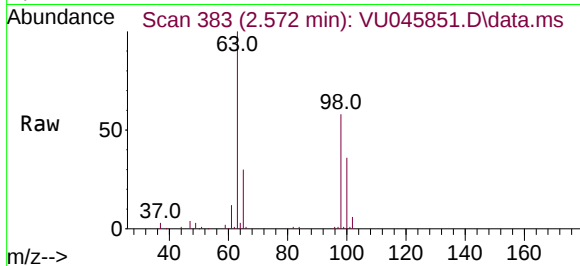




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.071 ug/L
RT: 2.572 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU045851.D
Acq: 17 Nov 2021 19:40

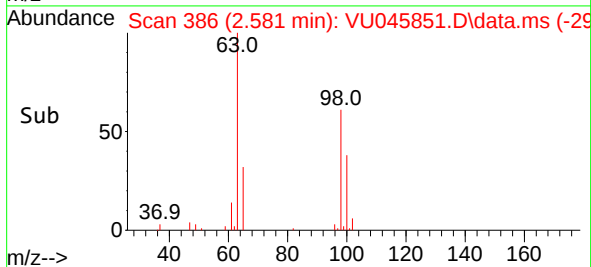
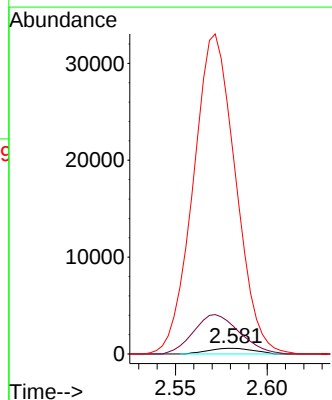
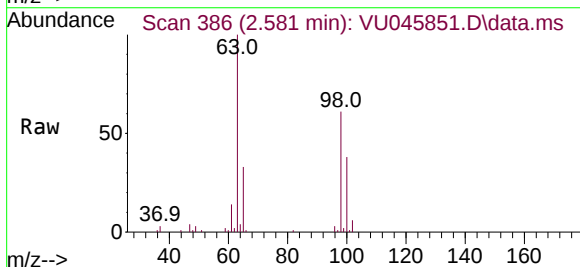
Instrument :
MSVOA_U
ClientSampleId :

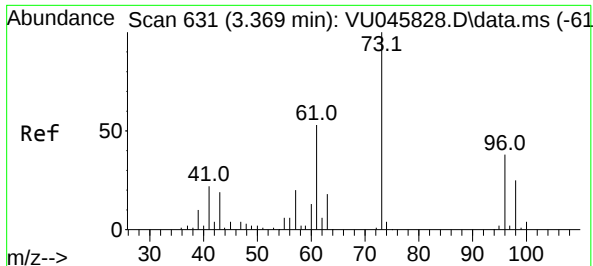
Tgt Ion:101 Resp: 455
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#



#12
1,1-Dichloroethene
Concen: 0.165 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.006 min
Lab File: VU045851.D
Acq: 17 Nov 2021 19:40

Tgt Ion: 96 Resp: 1000
Ion Ratio Lower Upper
96 100
61 495.0 124.7 231.5#
63 3548.7 105.2 195.4#





#17

Methyl tert-butyl Ether

Concen: 0.511 ug/L

RT: 3.366 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU045851.D

Acq: 17 Nov 2021 19:40

Instrument :

MSVOA_U

ClientSampleId :

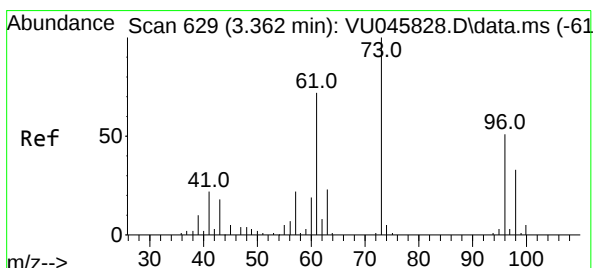
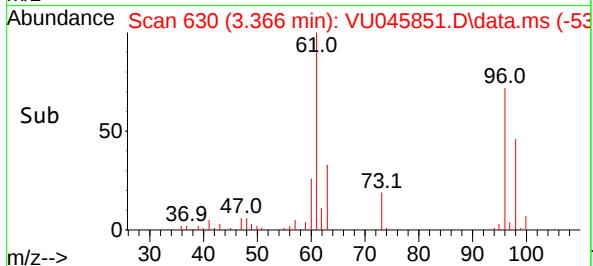
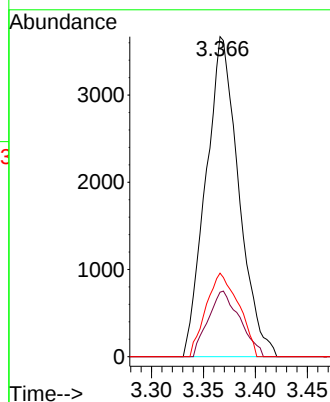
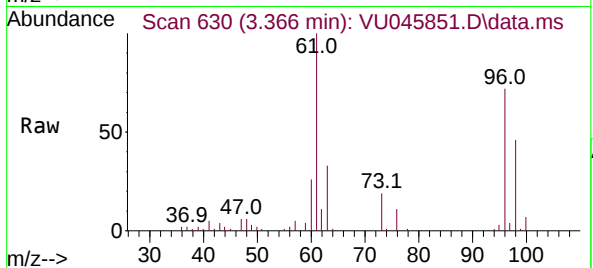
Tgt Ion: 73 Resp: 8064

Ion Ratio Lower Upper

73 100

43 19.8 14.8 22.2

57 25.9 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 4.951 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU045851.D

Acq: 17 Nov 2021 19:40

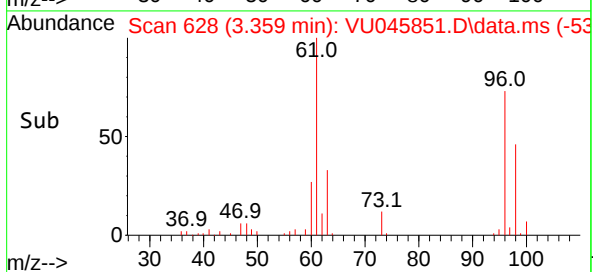
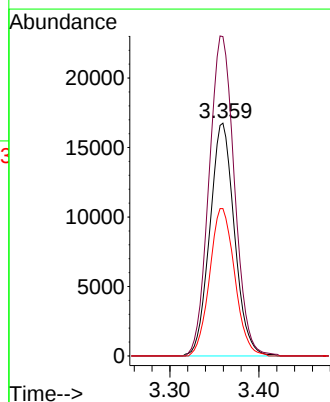
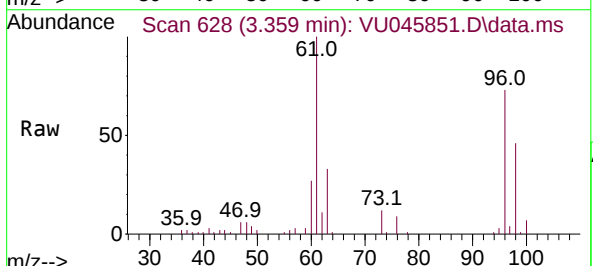
Tgt Ion: 96 Resp: 32170

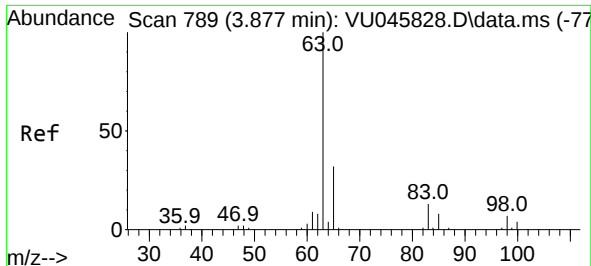
Ion Ratio Lower Upper

96 100

61 137.2 100.8 187.2

98 63.3 45.1 83.7





#19

1,1-Dichloroethane

Concen: 0.340 ug/L

RT: 3.880 min Scan# 79

Delta R.T. 0.003 min

Lab File: VU045851.D

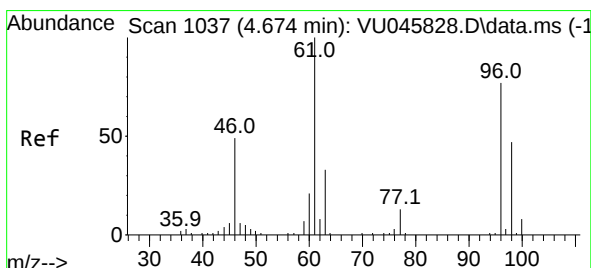
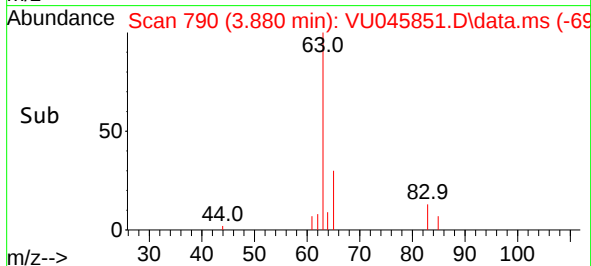
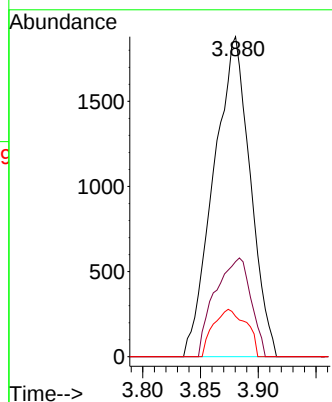
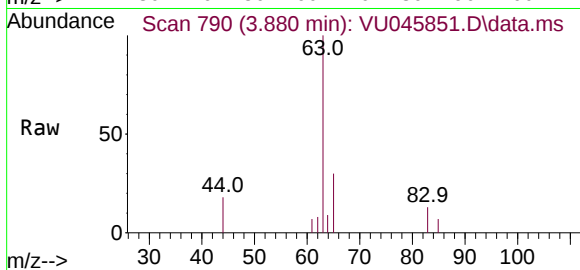
Acq: 17 Nov 2021 19:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 4135
Ion Ratio	Lower Upper
63	100
65	29.7 22.3 41.5
83	12.6 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 53.066 ug/L

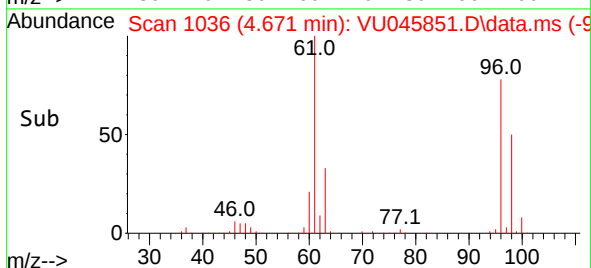
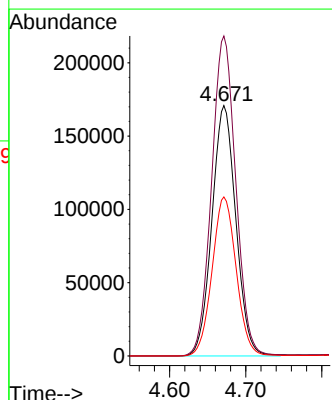
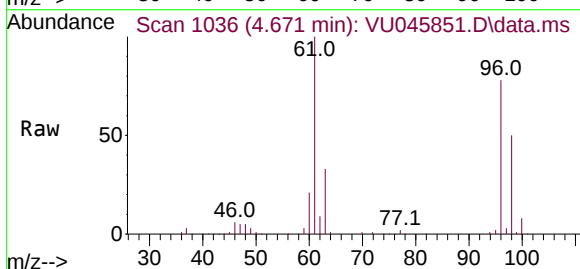
RT: 4.671 min Scan# 1036

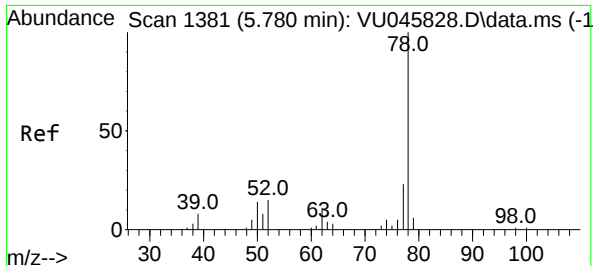
Delta R.T. -0.003 min

Lab File: VU045851.D

Acq: 17 Nov 2021 19:40

Tgt Ion: 96	Resp: 373840
Ion Ratio	Lower Upper
96	100
61	127.8 88.5 164.3
98	63.5 44.4 82.5





#33

Benzene

Concen: 0.286 ug/L

RT: 5.777 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU045851.D

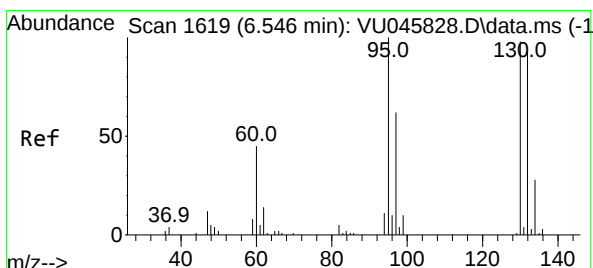
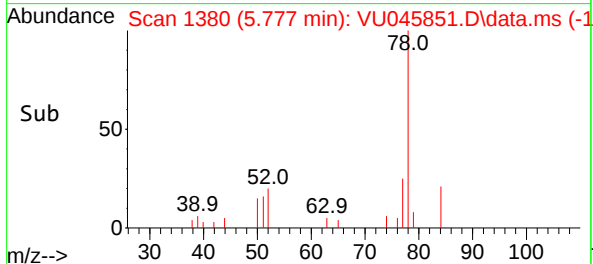
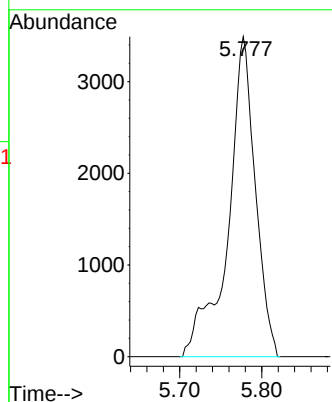
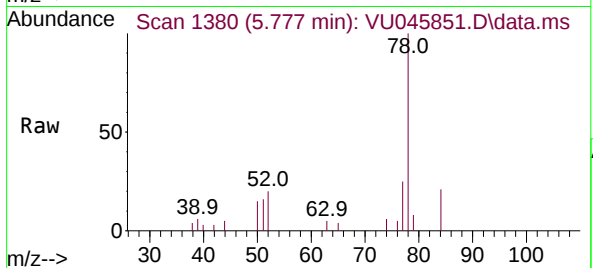
Acq: 17 Nov 2021 19:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 8079



#34

Trichloroethene

Concen: 2.301 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU045851.D

Acq: 17 Nov 2021 19:40

Tgt Ion: 95 Resp: 16776

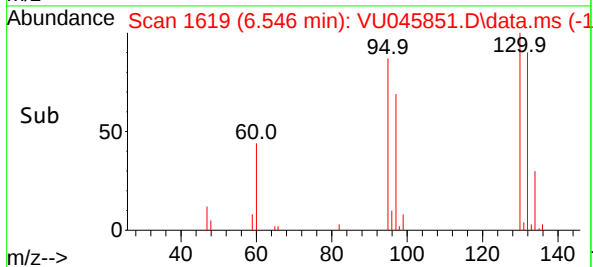
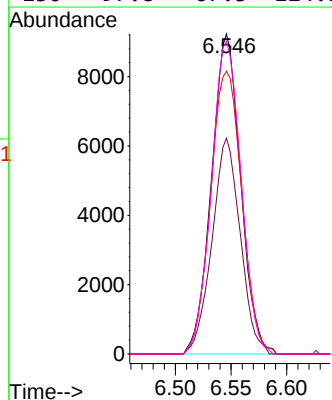
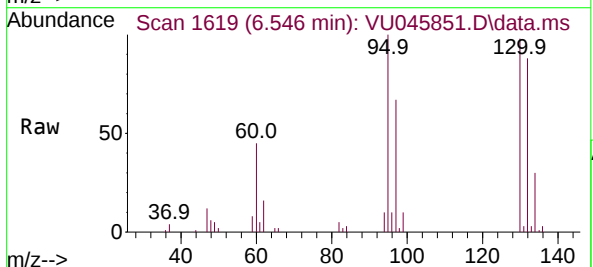
Ion Ratio Lower Upper

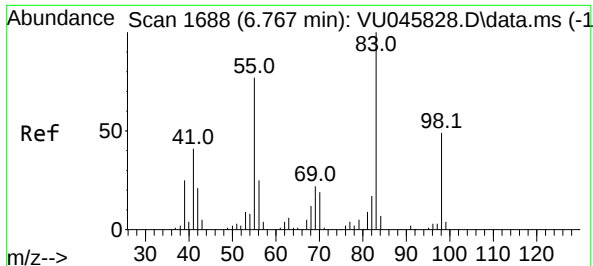
95 100

97 67.4 46.5 86.5

132 88.4 65.1 120.9

130 97.8 67.3 124.9

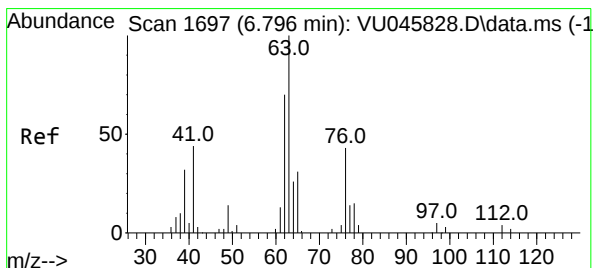
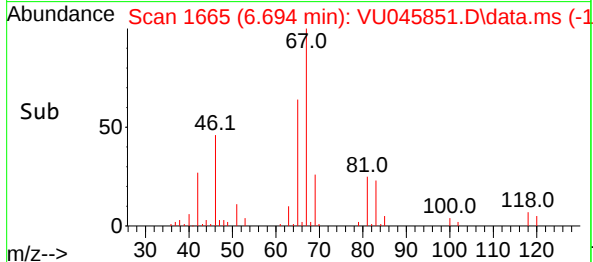
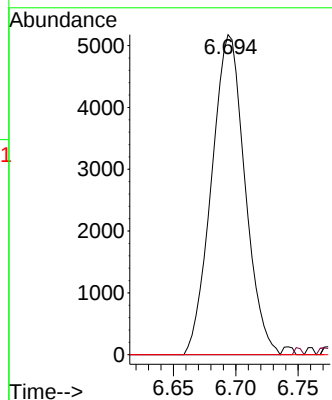
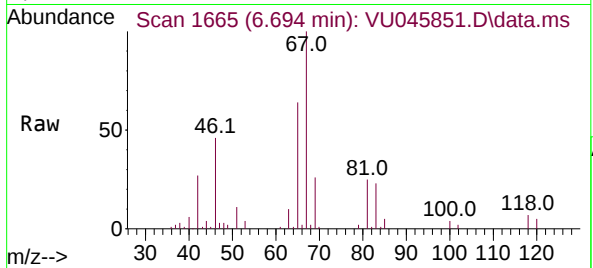




#35
Methylcyclohexane
Concen: 0.862 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045851.D
Acq: 17 Nov 2021 19:40

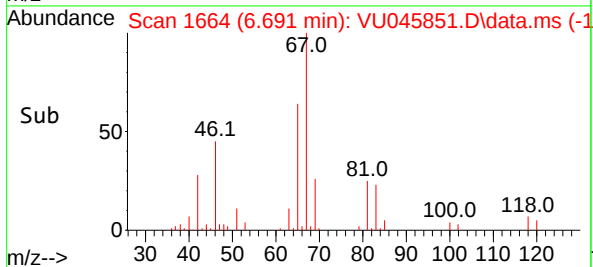
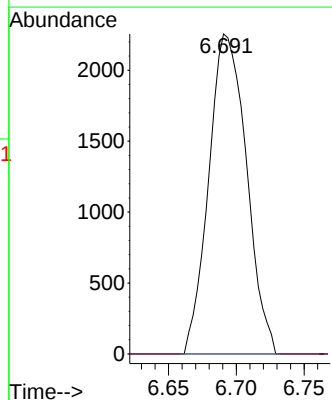
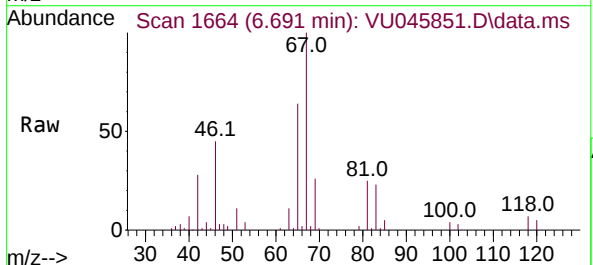
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MSVOA_U
ClientSampleId :

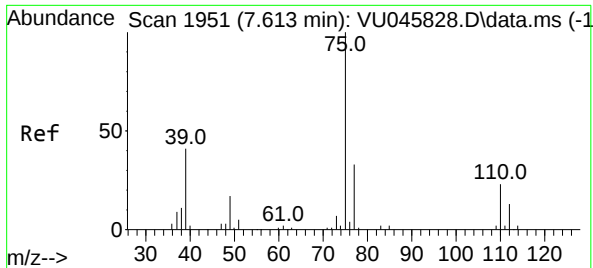
Tgt Ion: 83 Resp: 9654
Ion Ratio Lower Upper
83 100
55 0.4 61.9 92.9#
98 2.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.586 ug/L
RT: 6.691 min Scan# 1664
Delta R.T. -0.106 min
Lab File: VU045851.D
Acq: 17 Nov 2021 19:40

Tgt Ion: 63 Resp: 4365
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.568 min Scan# 1951

Delta R.T. -0.045 min

Lab File: VU045851.D

Acq: 17 Nov 2021 19:40

Instrument :

MSVOA_U

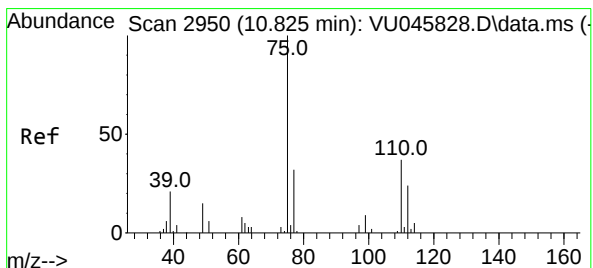
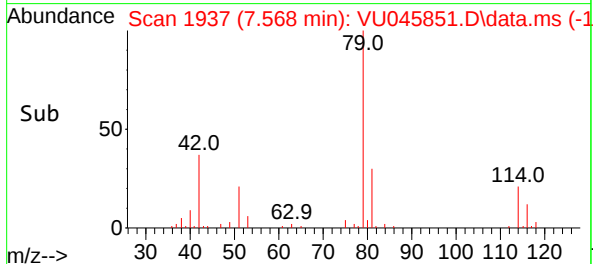
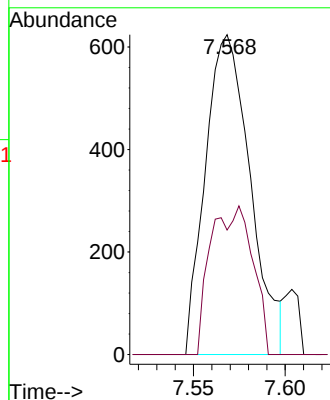
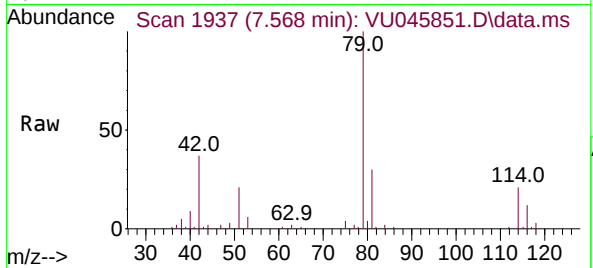
ClientSampleId :

Tgt Ion: 75 Resp: 1061

Ion Ratio Lower Upper

75 100

77 38.9 22.5 41.9



#61

1,2,3-Trichloropropane

Concen: 1.272 ug/L

RT: 11.813 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU045851.D

Acq: 17 Nov 2021 19:40

Tgt Ion: 75 Resp: 6178

Ion Ratio Lower Upper

75 100

110 0.7 29.9 44.9#

77 33.2 25.5 38.3

