

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111821\
 Data File : VU045870.D
 Acq On : 18 Nov 2021 15:55
 Operator : SY/MD
 Sample : M4664-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:54:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 19 00:50:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	93980	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	96435	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	46174	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	34279	4.604	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.000%
7) Chloroethane-d5	1.916	69	26374	4.866	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.571	65	14140	4.528	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.642	46	105025	52.634	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.260%
24) Chloroform-d	5.067	84	47002	3.789	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.800%
26) 1,2-Dichloroethane-d4	5.706	65	33816	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.732	84	118387	4.458	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
36) 1,2-Dichloropropane-d6	6.694	67	38563	4.607	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.902	98	99637	4.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	8.179	79	14488	4.264	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.636	63	68328	44.680	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.360%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33602	4.752	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	38330	4.835	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%

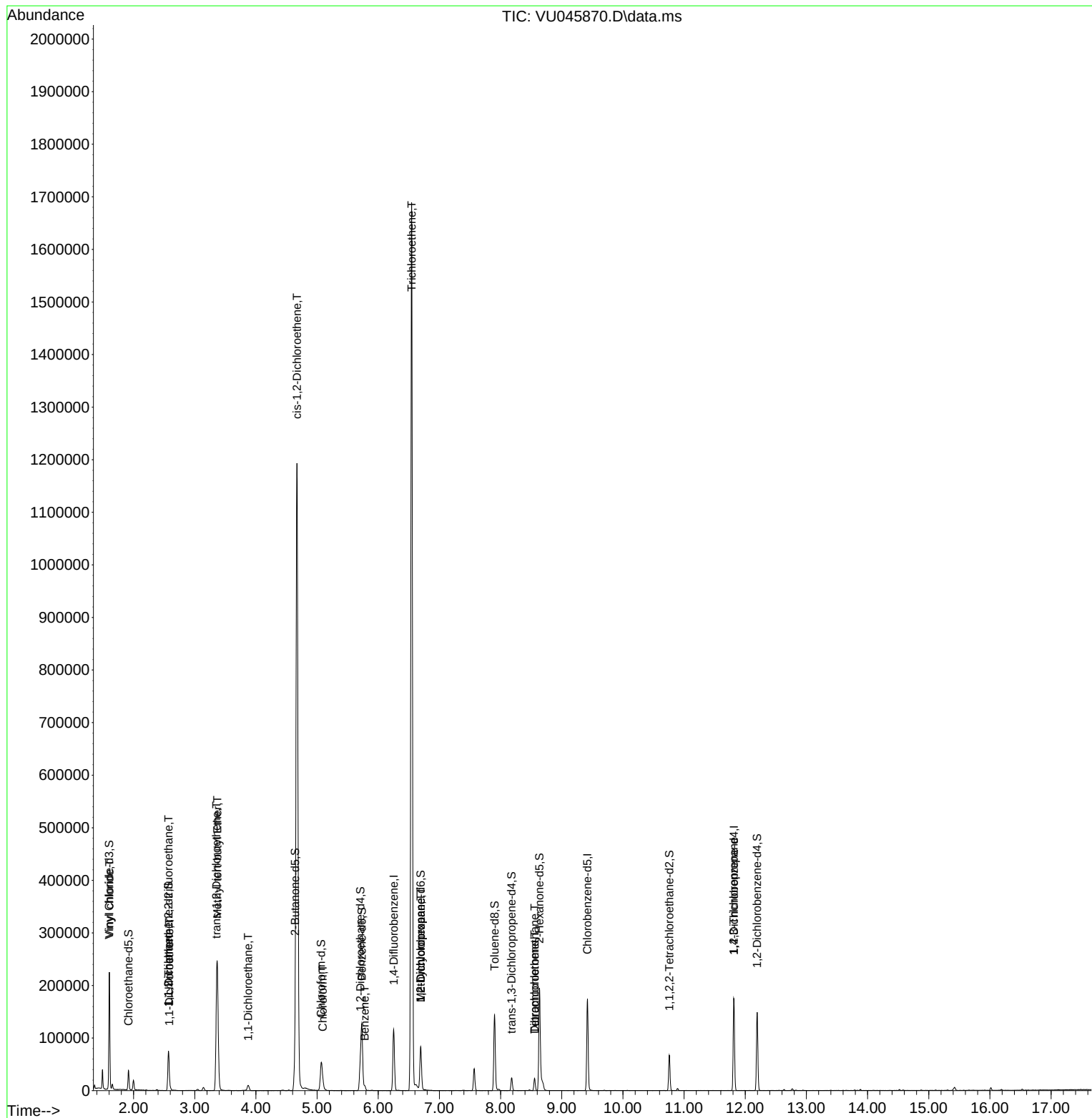
Target Compounds				Qvalue		
5) Vinyl chloride	1.607	62	85414	10.495	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	460	0.075	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	2012	0.346	ug/L #	1
17) Methyl tert-butyl Ether	3.369	73	243629	16.086	ug/L	99
18) trans-1,2-Dichloroethene	3.356	96	17933	2.876	ug/L	92
19) 1,1-Dichloroethane	3.874	63	11381	0.974	ug/L	97
22) cis-1,2-Dichloroethene	4.671	96	610787	90.334	ug/L	97
25) Chloroform	5.092	83	12477	0.984	ug/L	99
33) Benzene	5.777	78	9132	0.339	ug/L	100
34) Trichloroethene	6.546	95	571866	82.457	ug/L	98
35) Methylcyclohexane	6.694	83	8891	0.835	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	4116	0.581	ug/L #	88
47) Tetrachloroethene	8.555	164	5096	1.050	ug/L	95
49) Dibromochloromethane	8.555	129	4926	0.823	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5718	1.193	ug/L #	66

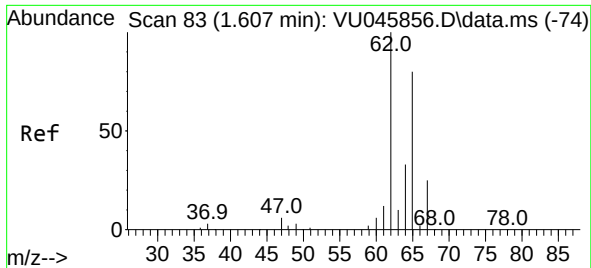
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
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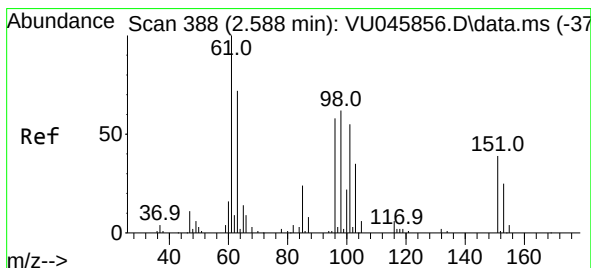
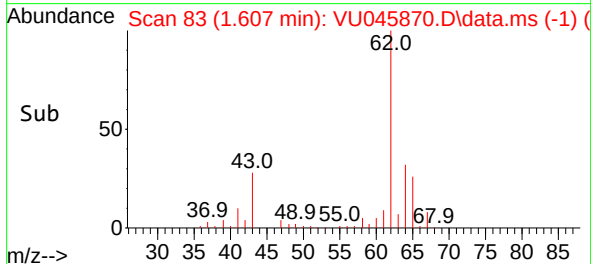
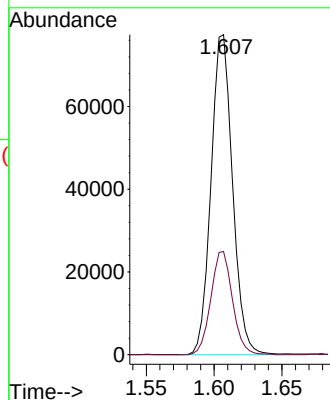
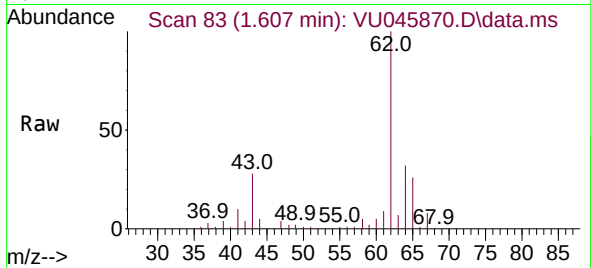




#5
 Vinyl chloride
 Concen: 10.495 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU045870.D
 Acq: 18 Nov 2021 15:55

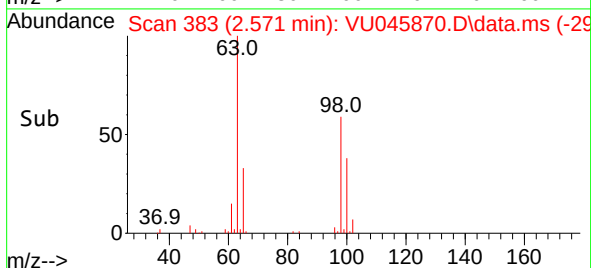
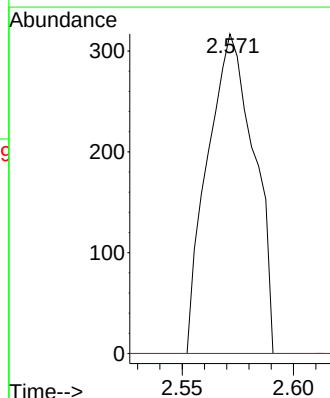
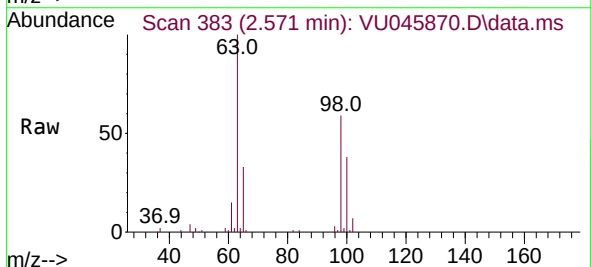
Instrument :
 MSVOA_U
 ClientSampleId :

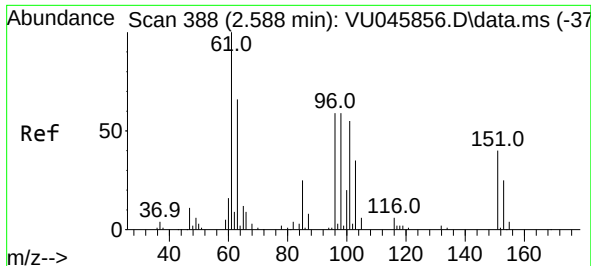
Tgt Ion: 62 Resp: 85414
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.075 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU045870.D
 Acq: 18 Nov 2021 15:55

Tgt Ion: 101 Resp: 460
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#

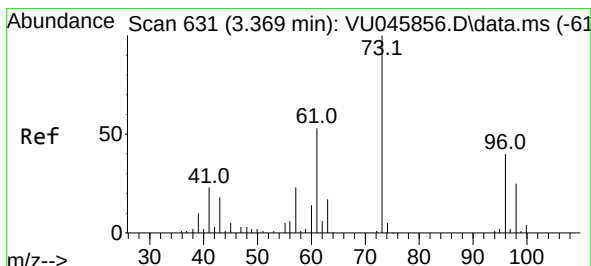
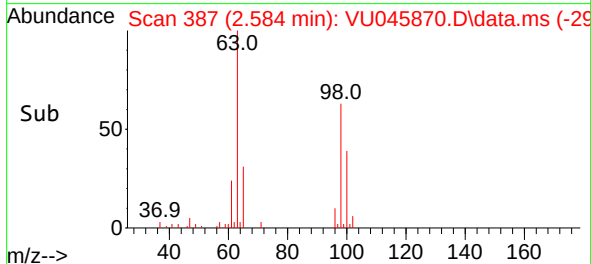
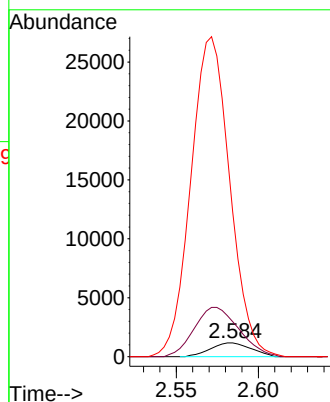
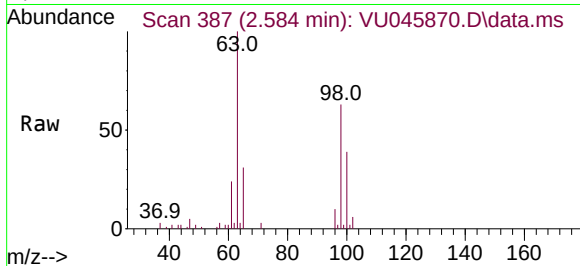




#12
1,1-Dichloroethene
Concen: 0.346 ug/L
RT: 2.584 min Scan# 388
Delta R.T. -0.003 min
Lab File: VU045870.D
Acq: 18 Nov 2021 15:55

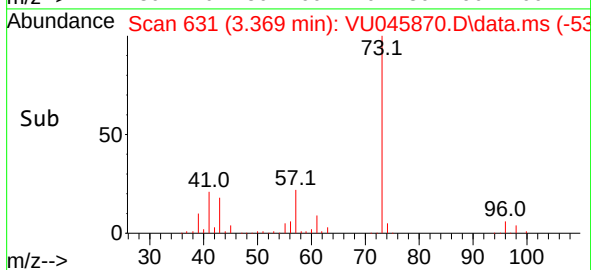
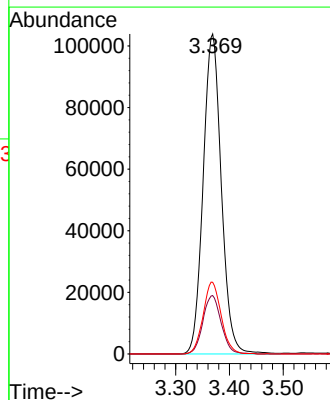
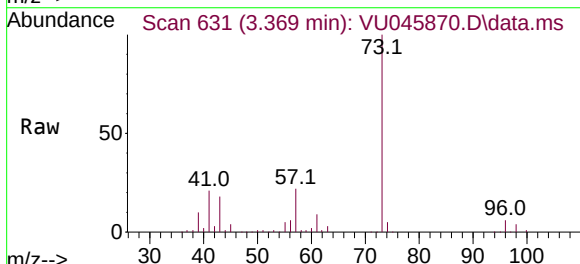
Instrument :
MSVOA_U
ClientSampleId :

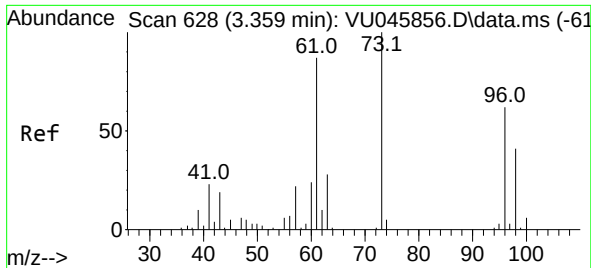
Tgt Ion: 96 Resp: 2012
Ion Ratio Lower Upper
96 100
61 254.0 124.7 231.5#
63 1051.6 105.2 195.4#



#17
Methyl tert-butyl Ether
Concen: 16.086 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU045870.D
Acq: 18 Nov 2021 15:55

Tgt Ion: 73 Resp: 243629
Ion Ratio Lower Upper
73 100
43 18.4 14.8 22.2
57 22.4 17.4 26.0

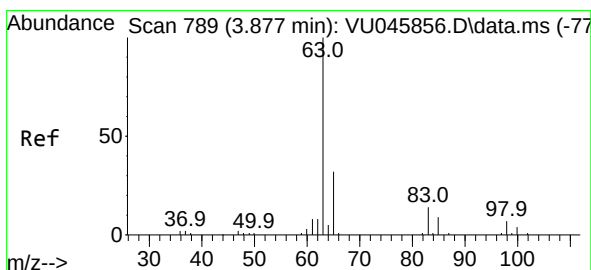
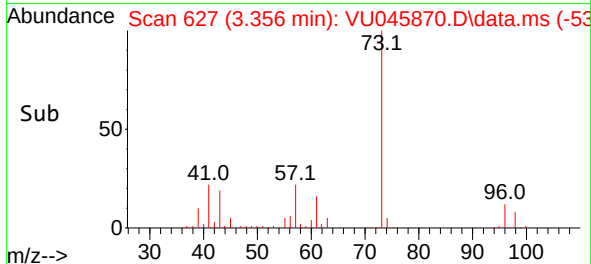
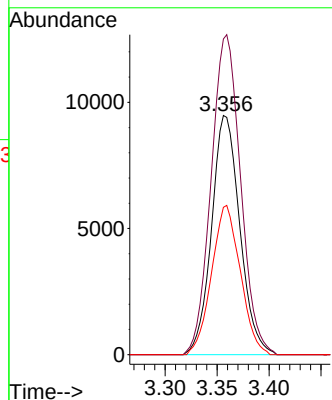
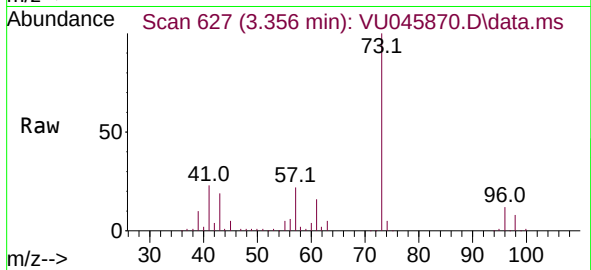




#18
trans-1,2-Dichloroethene
Concen: 2.876 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU045870.D
Acq: 18 Nov 2021 15:55

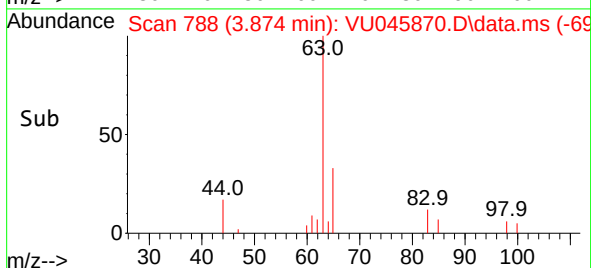
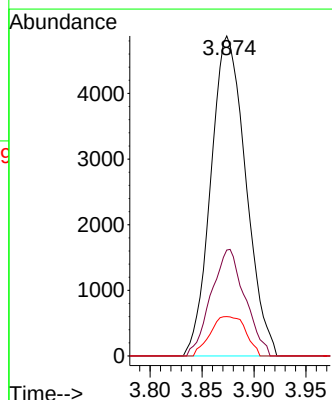
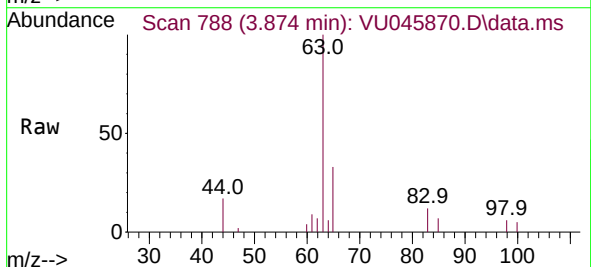
Instrument :
MSVOA_U
ClientSampleId :

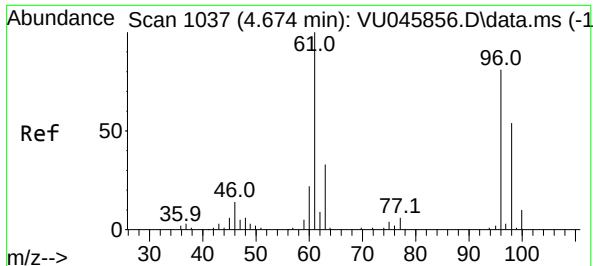
Tgt Ion: 96 Resp: 17933
Ion Ratio Lower Upper
96 100
61 132.0 100.8 187.2
98 61.6 45.1 83.7



#19
1,1-Dichloroethane
Concen: 0.974 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045870.D
Acq: 18 Nov 2021 15:55

Tgt Ion: 63 Resp: 11381
Ion Ratio Lower Upper
63 100
65 33.1 22.3 41.5
83 12.3 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 90.334 ug/L

RT: 4.671 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VU045870.D

Acq: 18 Nov 2021 15:55

Instrument :

MSVOA_U

ClientSampleId :

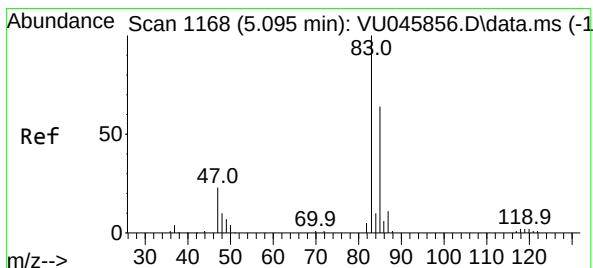
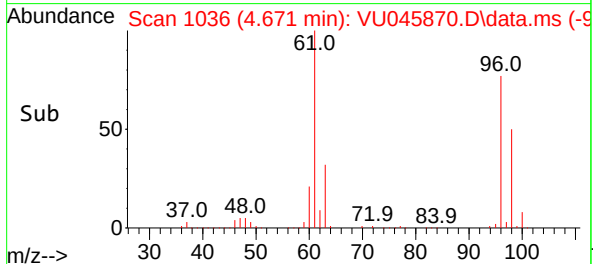
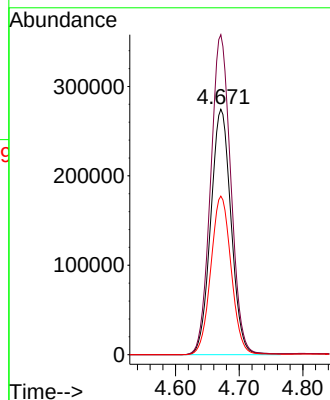
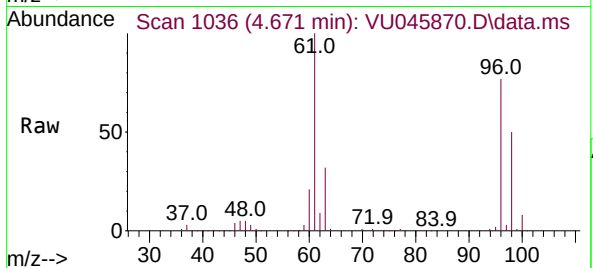
Tgt Ion: 96 Resp: 610787

Ion Ratio Lower Upper

96 100

61 130.4 88.5 164.3

98 64.6 44.4 82.5



#25

Chloroform

Concen: 0.984 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU045870.D

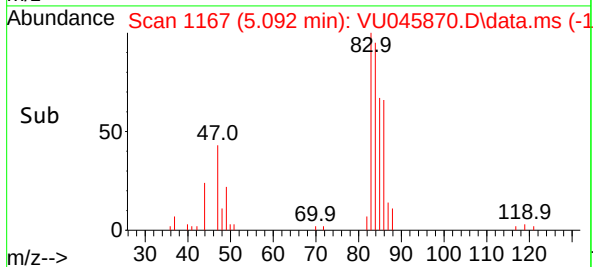
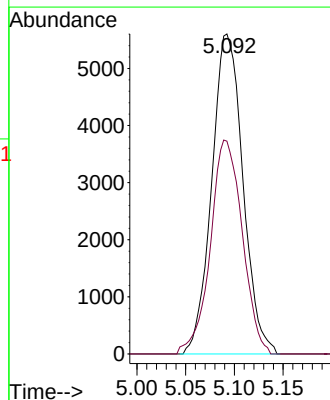
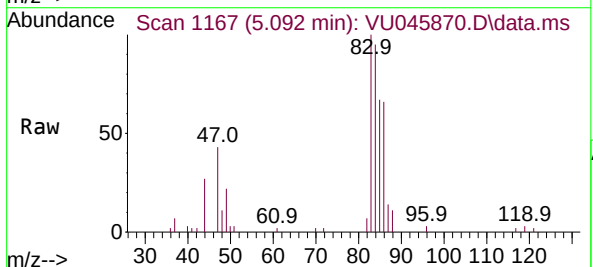
Acq: 18 Nov 2021 15:55

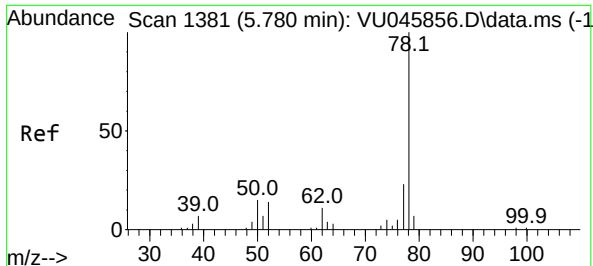
Tgt Ion: 83 Resp: 12477

Ion Ratio Lower Upper

83 100

85 66.5 46.9 87.1





#33

Benzene

Concen: 0.339 ug/L

RT: 5.777 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045870.D

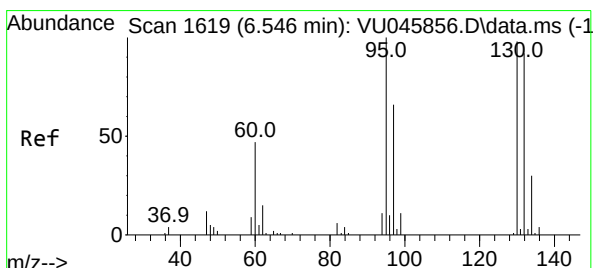
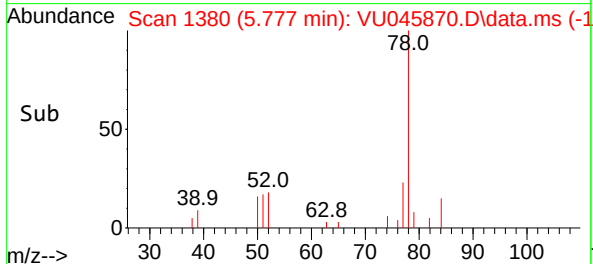
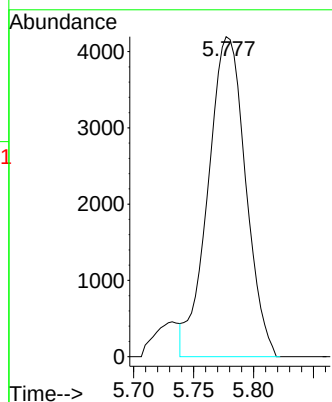
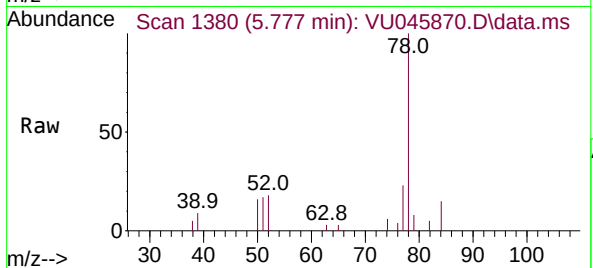
Acq: 18 Nov 2021 15:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 9132



#34

Trichloroethene

Concen: 82.457 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU045870.D

Acq: 18 Nov 2021 15:55

Tgt Ion: 95 Resp: 571866

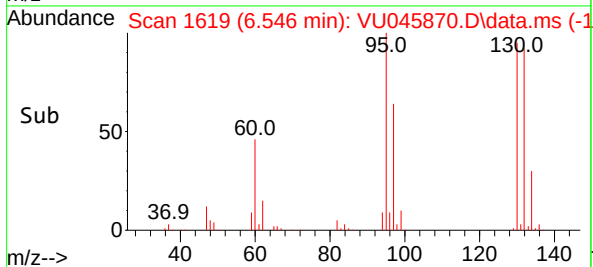
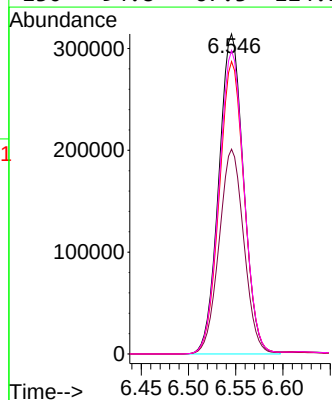
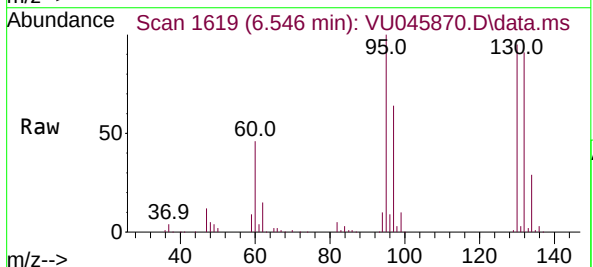
Ion Ratio Lower Upper

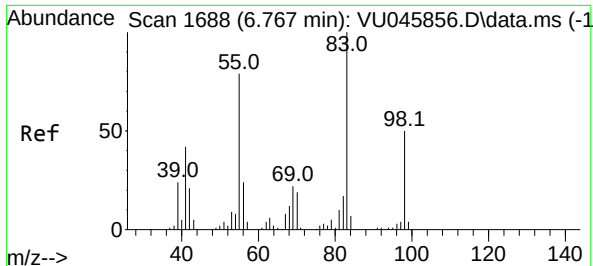
95 100

97 64.0 46.5 86.5

132 91.4 65.1 120.9

130 94.8 67.3 124.9

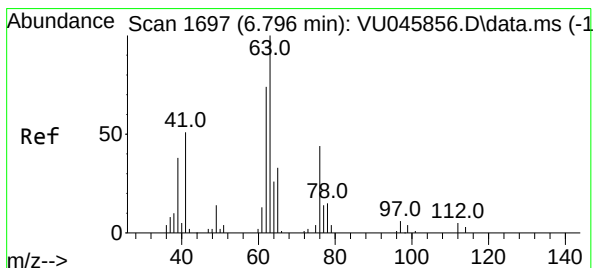
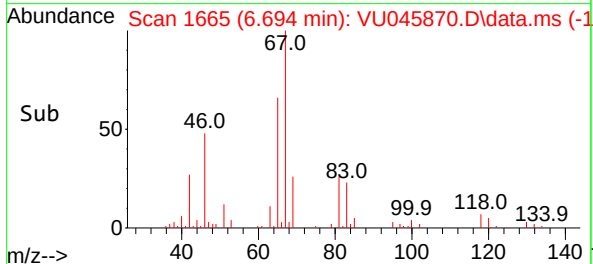
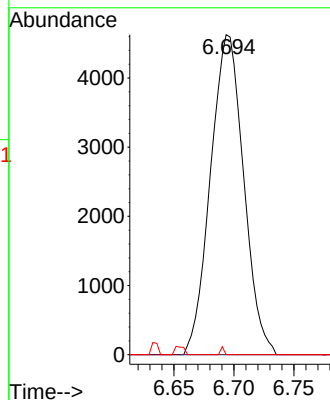
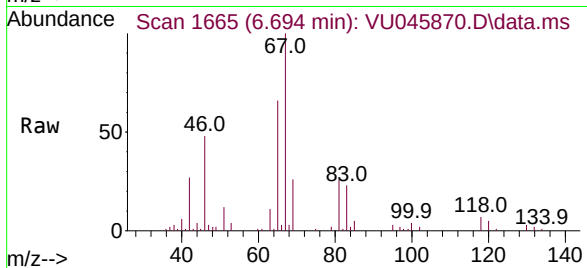




#35
Methylcyclohexane
Concen: 0.835 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045870.D
Acq: 18 Nov 2021 15:55

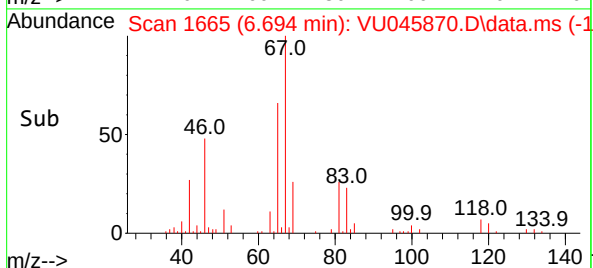
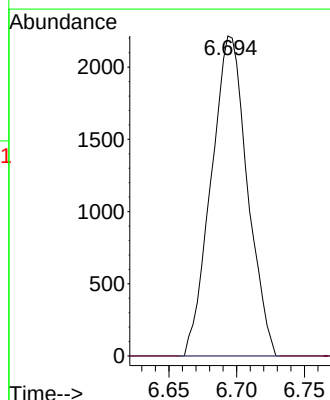
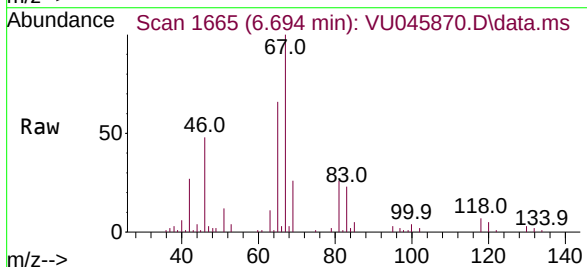
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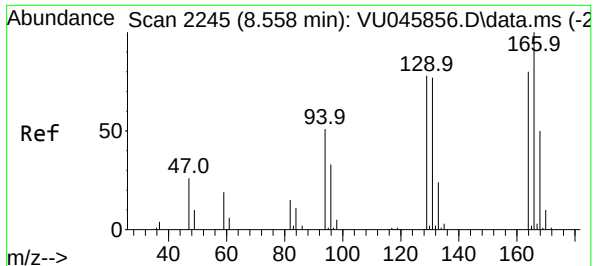
Tgt Ion: 83 Resp: 8891
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.581 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045870.D
Acq: 18 Nov 2021 15:55

Tgt Ion: 63 Resp: 4116
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

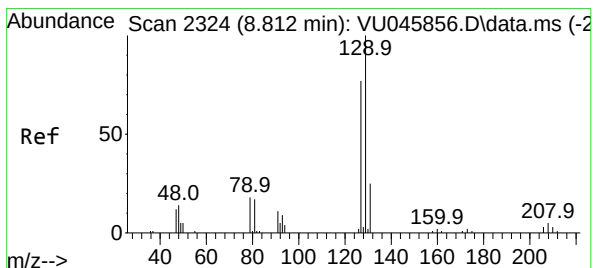
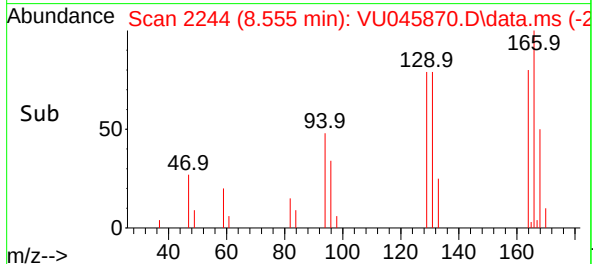
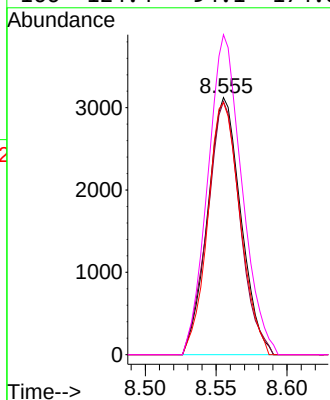
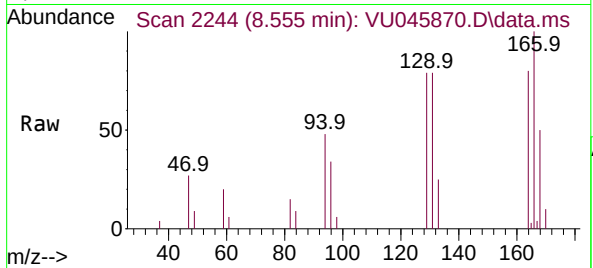




#47
Tetrachloroethene
Concen: 1.050 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045870.D
Acq: 18 Nov 2021 15:55

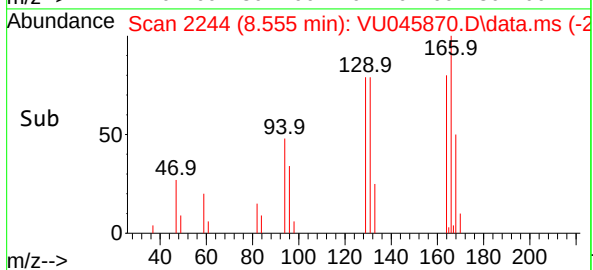
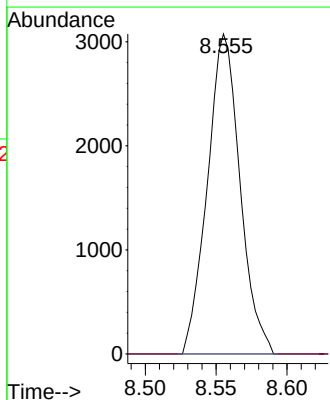
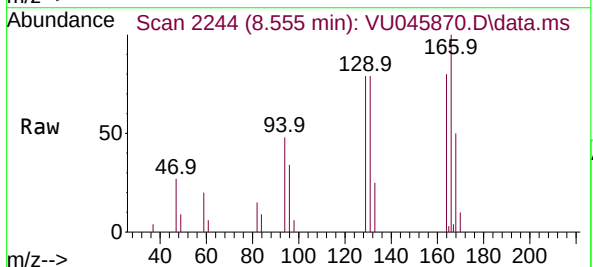
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ClientSampleId :

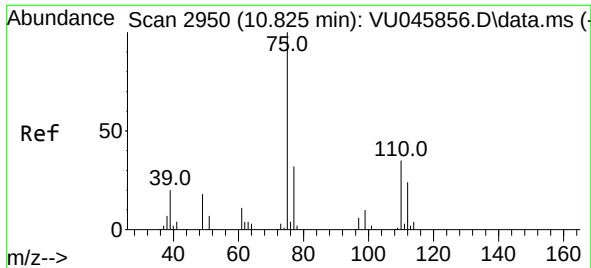
Tgt Ion:164 Resp: 5096
Ion Ratio Lower Upper
164 100
129 98.4 71.8 133.4
131 98.0 68.5 127.3
166 124.4 94.1 174.8



#49
Dibromochloromethane
Concen: 0.823 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU045870.D
Acq: 18 Nov 2021 15:55

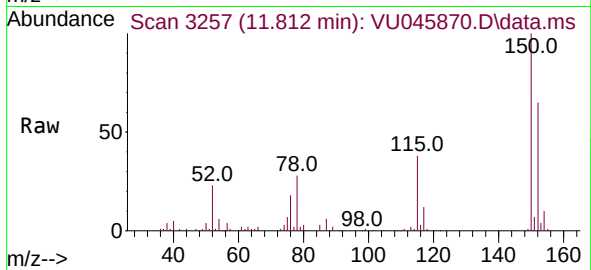
Tgt Ion:129 Resp: 4926
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.193 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU045870.D
 Acq: 18 Nov 2021 15:55

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5718
 Ion Ratio Lower Upper
 75 100
 110 1.1 29.9 44.9#
 77 30.1 25.5 38.3

