

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112321\
 Data File : VU045969.D
 Acq On : 23 Nov 2021 20:30
 Operator : SY/MD
 Sample : M4722-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 24 00:34:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 24 00:27:16 2021
 Response via : Initial Calibration

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

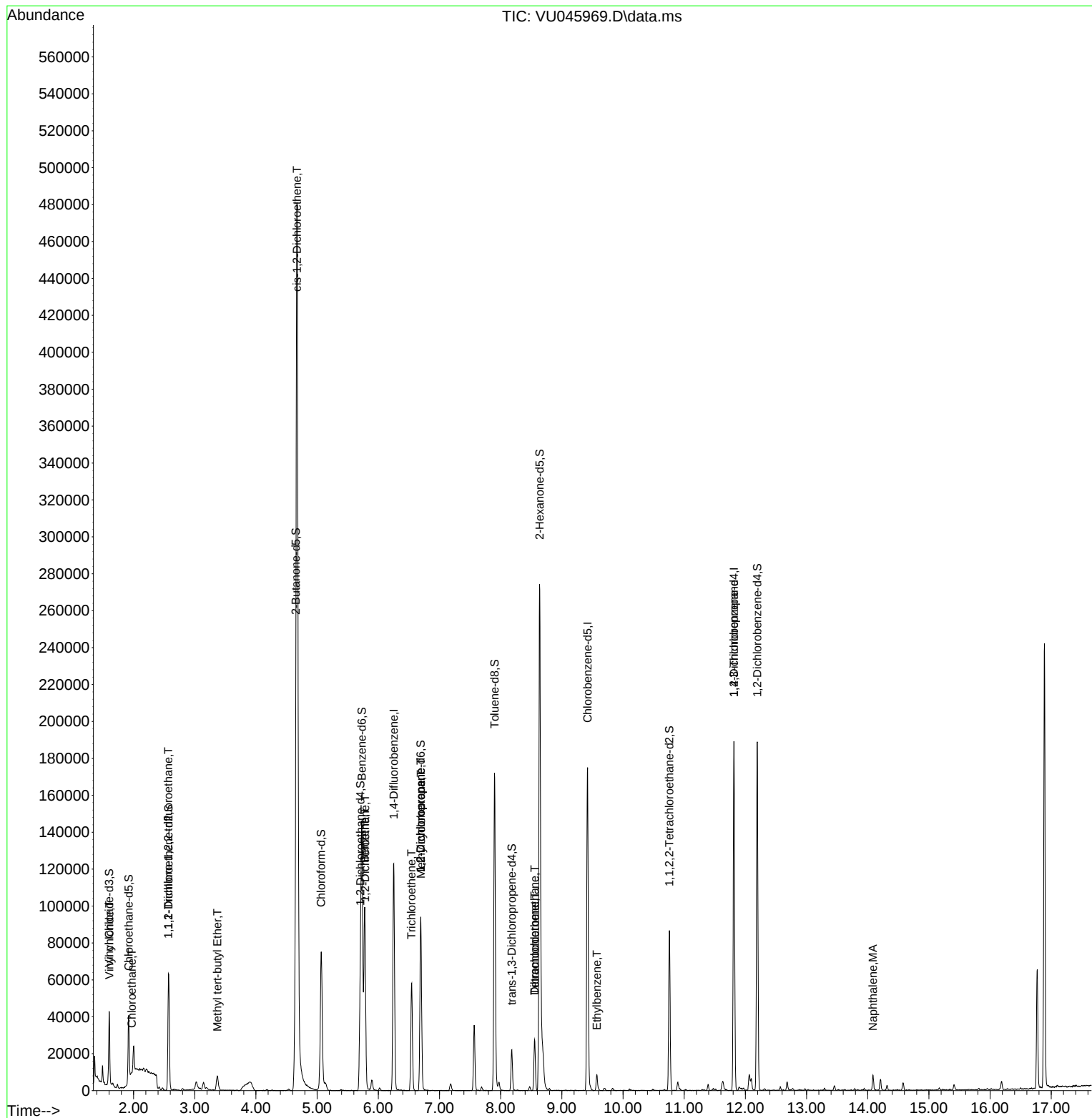
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	103580	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	101076	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	49463	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	17219	2.098	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	42.000%
7) Chloroethane-d5	1.919	69	25631	4.290	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.800%
11) 1,1-Dichloroethene-d2	2.572	65	12046	3.500	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	4.652	46	138384	62.924	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.840%
24) Chloroform-d	5.067	84	68424	5.005	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.706	65	40489	5.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.732	84	140063	5.032	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.694	67	45358	5.170	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.899	98	120839	4.799	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.182	79	13177	3.700	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.000%
46) 2-Hexanone-d5	8.636	63	110352	68.846	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.700%#
56) 1,1,2,2-Tetrachloroeth...	10.758	84	43681	5.894	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	49329	5.808	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.200%
Target Compounds						
5) Vinyl chloride	1.607	62	1494	0.167	ug/L #	82
8) Chloroethane	1.970	64	18532	3.623	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	351	0.052	ug/L #	21
17) Methyl tert-butyl Ether	3.369	73	7579	0.454	ug/L #	89
22) cis-1,2-Dichloroethene	4.671	96	238583	32.016	ug/L	99
27) 1,2-Dichloroethane	5.787	62	1026	0.115	ug/L #	73
33) Benzene	5.777	78	96860	3.434	ug/L	100
34) Trichloroethene	6.542	95	19642	2.702	ug/L	98
35) Methylcyclohexane	6.697	83	11037	0.989	ug/L #	18
37) 1,2-Dichloropropane	6.694	63	4448	0.599	ug/L #	88
47) Tetrachloroethene	8.555	164	6650	1.307	ug/L	91
49) Dibromochloromethane	8.555	129	6257	0.997	ug/L #	10
52) Ethylbenzene	9.571	91	7062	0.232	ug/L	98
61) 1,2,3-Trichloropropane	11.812	75	5728	1.116	ug/L #	66
71) Naphthalene	14.086	128	7111	0.404	ug/L	97

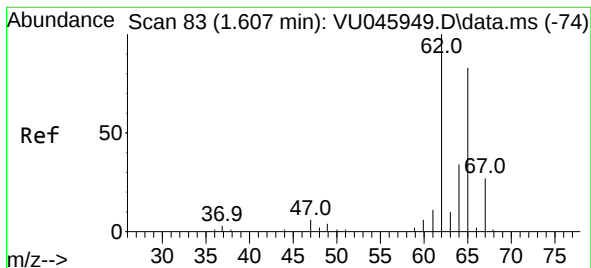
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.167 ug/L

RT: 1.607 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU045969.D

Acq: 23 Nov 2021 20:30

Instrument :

MSVOA_U

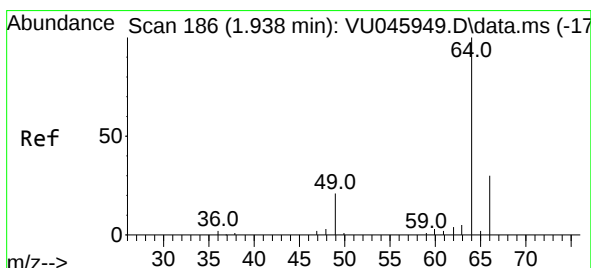
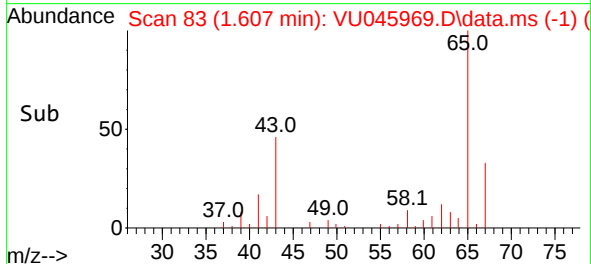
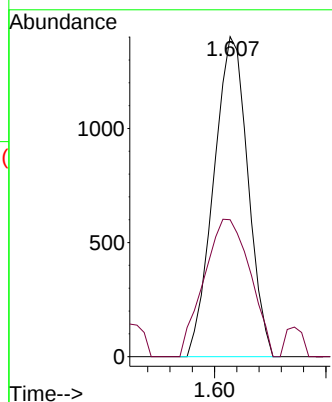
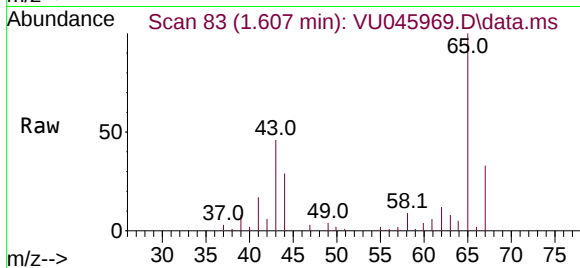
ClientSampleId :

Tgt Ion: 62 Resp: 1494

Ion Ratio Lower Upper

62 100

64 42.8 22.9 42.5#



#8

Chloroethane

Concen: 3.623 ug/L

RT: 1.970 min Scan# 196

Delta R.T. 0.032 min

Lab File: VU045969.D

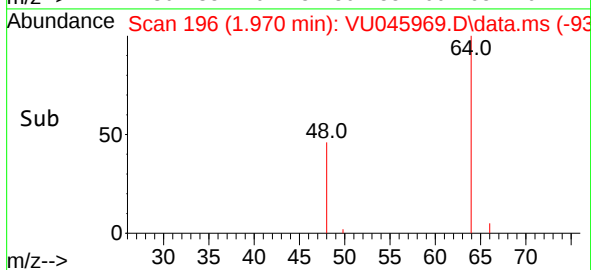
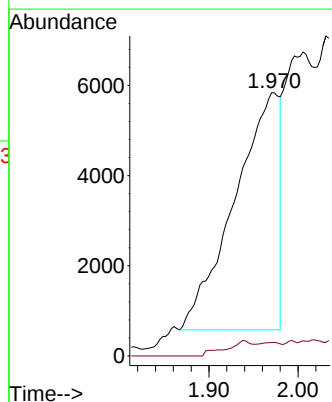
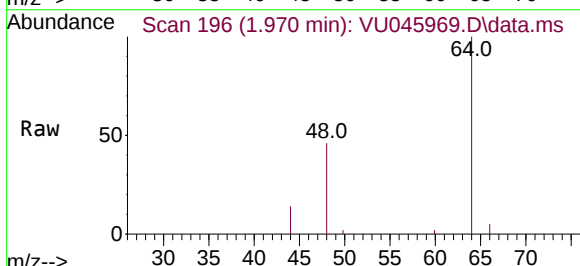
Acq: 23 Nov 2021 20:30

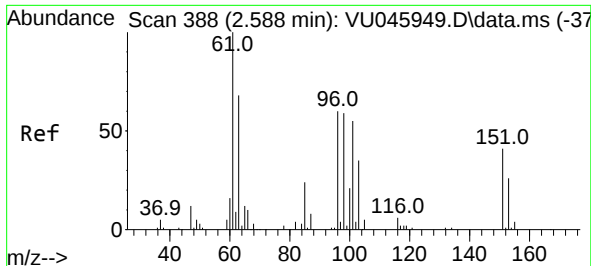
Tgt Ion: 64 Resp: 18532

Ion Ratio Lower Upper

64 100

66 5.1 22.1 41.1#

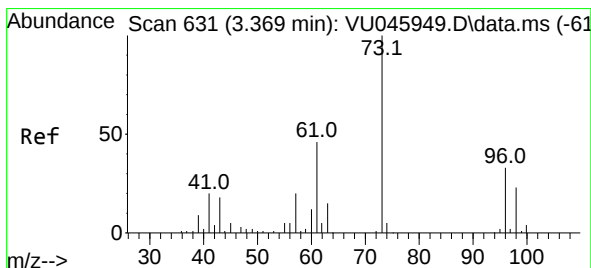
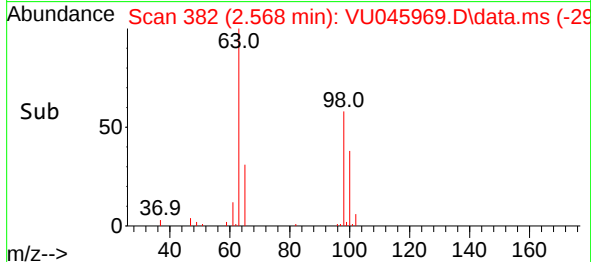
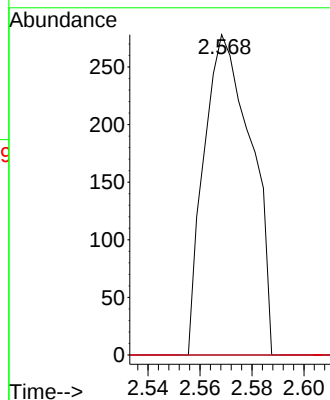
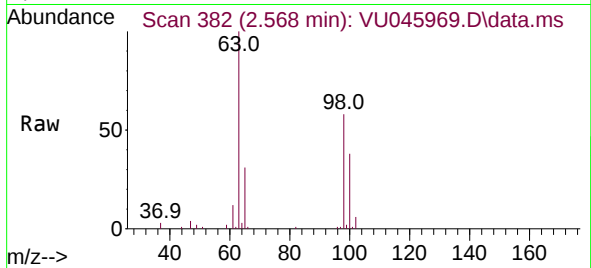




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.052 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU045969.D
Acq: 23 Nov 2021 20:30

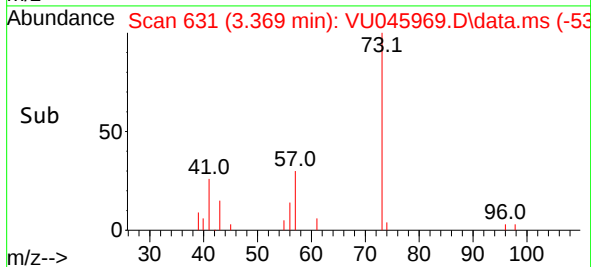
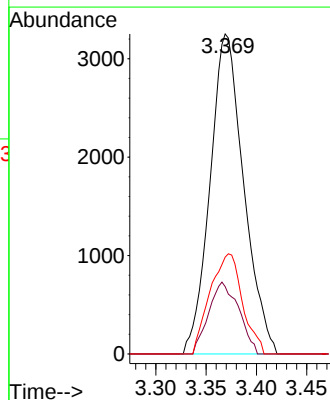
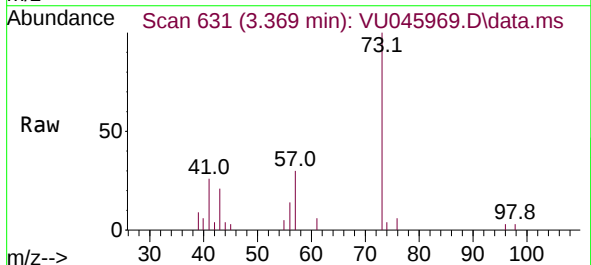
Instrument :
MSVOA_U
ClientSampleId :

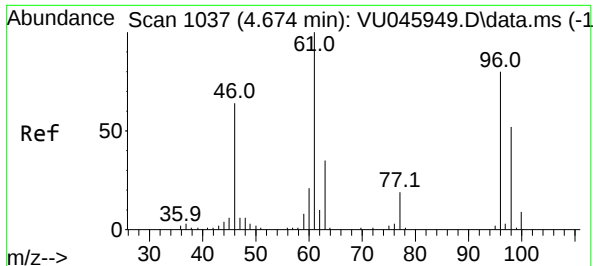
Tgt Ion:101 Resp: 351
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#



#17
Methyl tert-butyl Ether
Concen: 0.454 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU045969.D
Acq: 23 Nov 2021 20:30

Tgt Ion: 73 Resp: 7579
Ion Ratio Lower Upper
73 100
43 20.0 14.8 22.2
57 30.1 17.4 26.0#



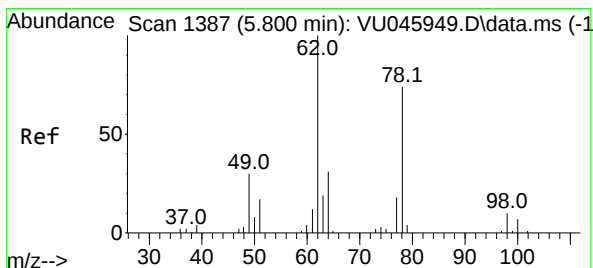
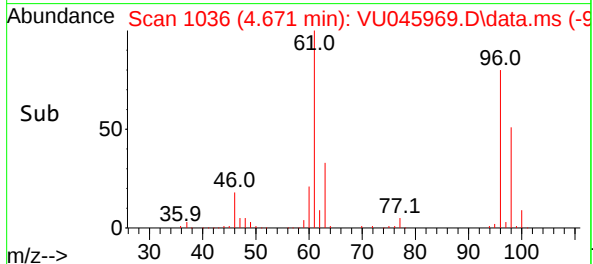
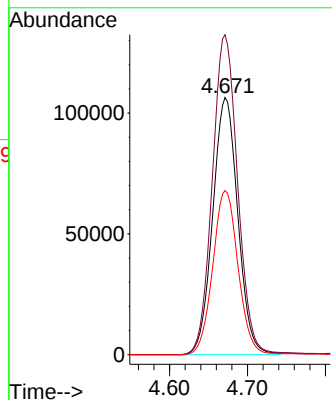
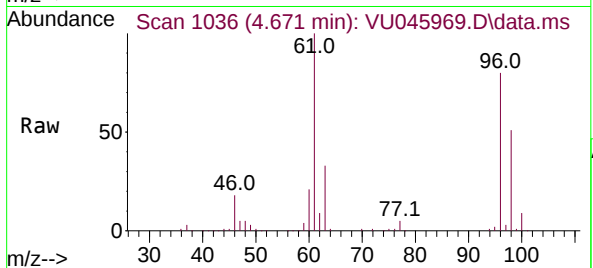


#22
 cis-1,2-Dichloroethene
 Concen: 32.016 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU045969.D
 Acq: 23 Nov 2021 20:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 96 Resp: 238583

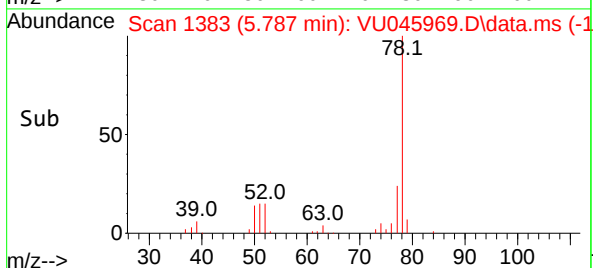
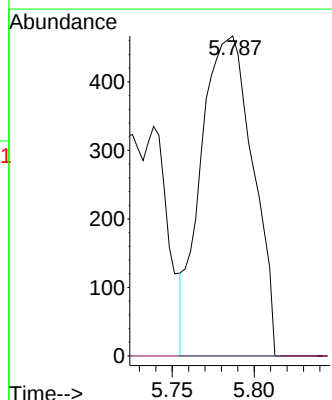
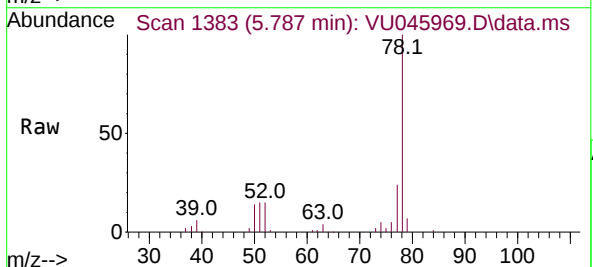
Ion	Ratio	Lower	Upper
96	100		
61	124.5	88.5	164.3
98	63.9	44.4	82.5

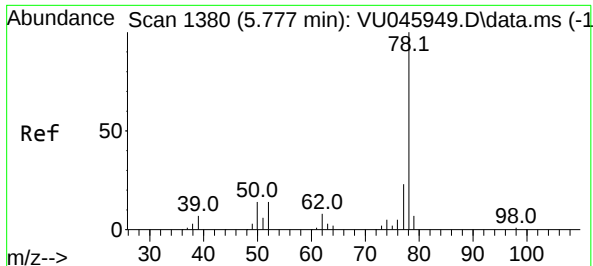


#27
 1,2-Dichloroethane
 Concen: 0.115 ug/L
 RT: 5.787 min Scan# 1383
 Delta R.T. -0.013 min
 Lab File: VU045969.D
 Acq: 23 Nov 2021 20:30

Tgt Ion: 62 Resp: 1026

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.8	11.8#

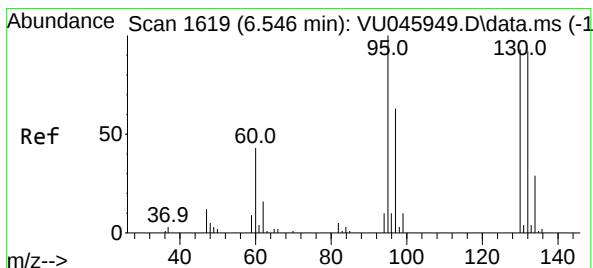
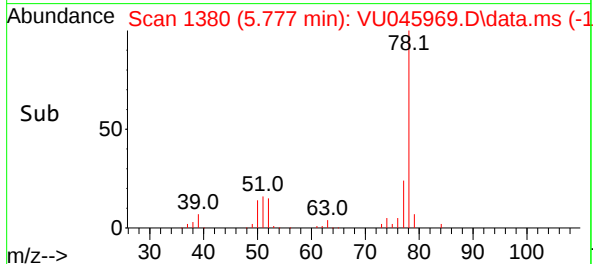
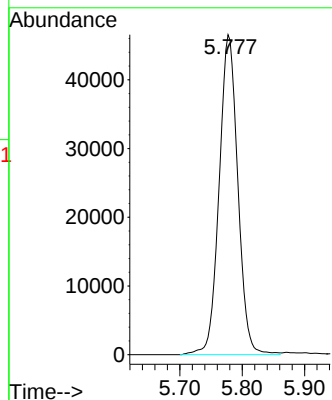
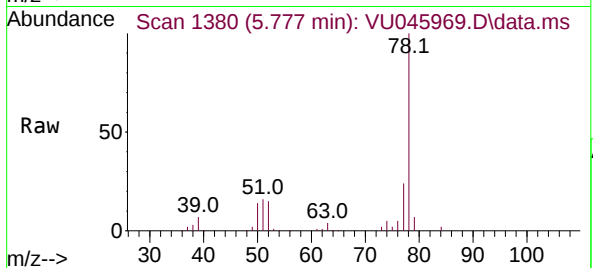




#33
Benzene
Concen: 3.434 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045969.D
Acq: 23 Nov 2021 20:30

Instrument :
MSVOA_U
ClientSampleId :

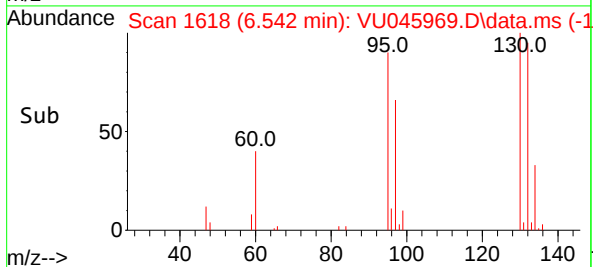
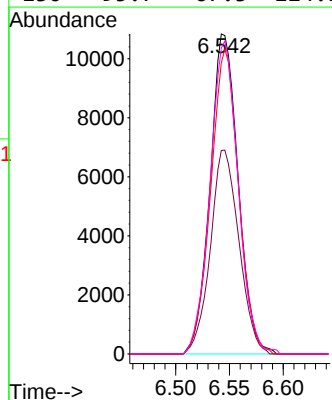
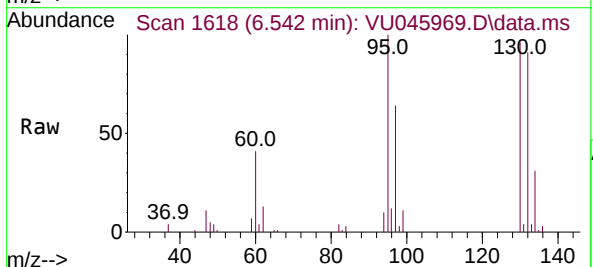
Tgt Ion: 78 Resp: 96860

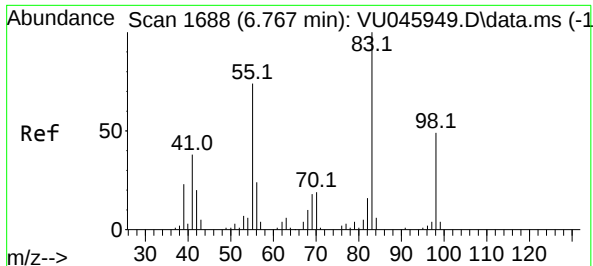


#34
Trichloroethene
Concen: 2.702 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU045969.D
Acq: 23 Nov 2021 20:30

Tgt Ion: 95 Resp: 19642

Ion	Ratio	Lower	Upper
95	100		
97	63.6	46.5	86.5
132	91.0	65.1	120.9
130	95.7	67.3	124.9

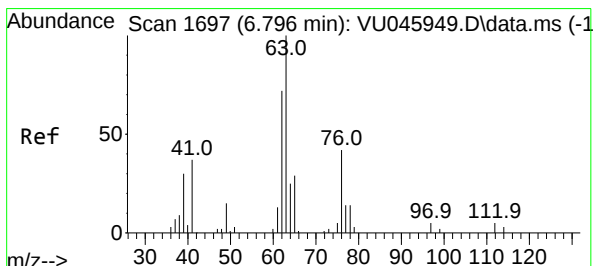
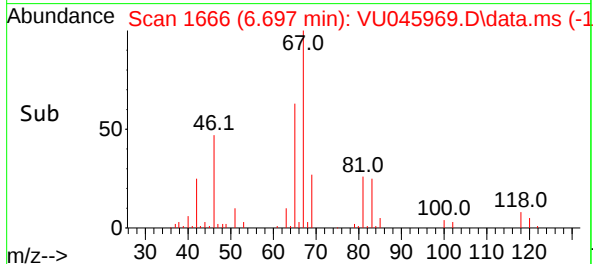
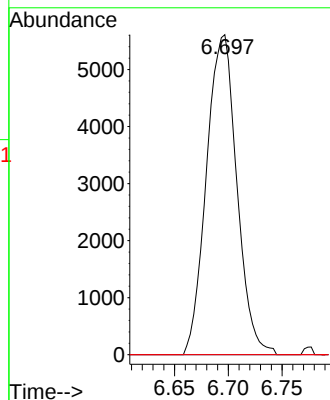
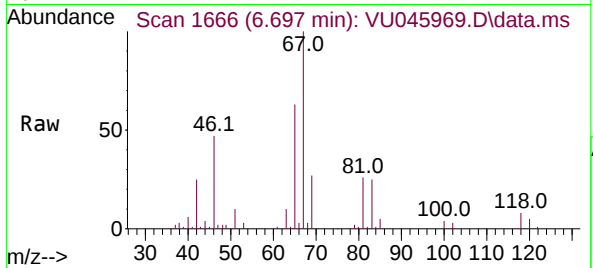




#35
Methylcyclohexane
Concen: 0.989 ug/L
RT: 6.697 min Scan# 11037
Delta R.T. -0.071 min
Lab File: VU045969.D
Acq: 23 Nov 2021 20:30

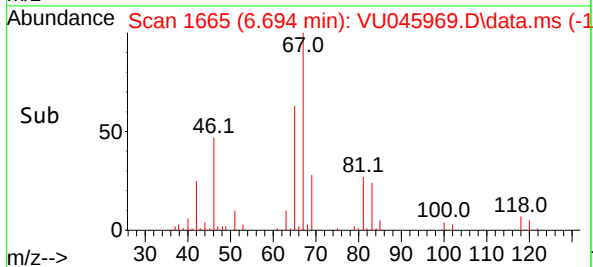
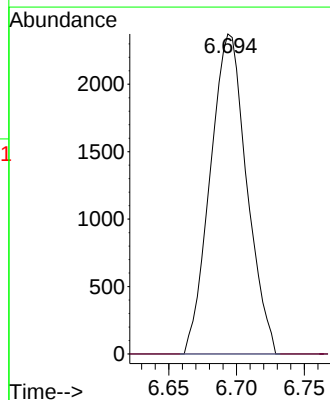
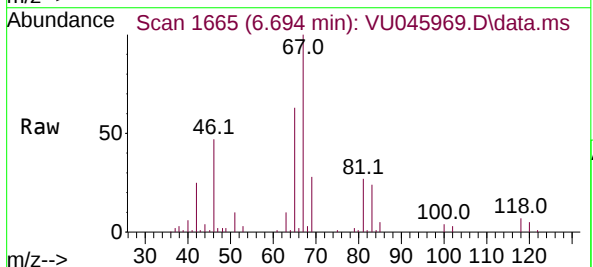
Instrument :
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ClientSampleId :

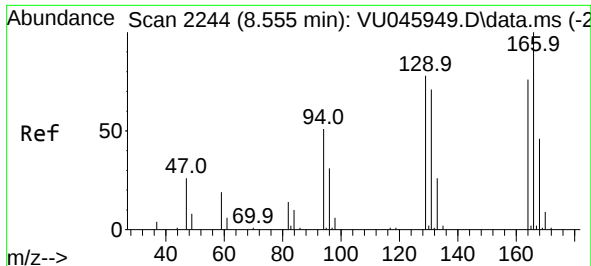
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.9	92.9#
98	0.3	39.0	58.6#



#37
1,2-Dichloropropane
Concen: 0.599 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045969.D
Acq: 23 Nov 2021 20:30

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





#47

Tetrachloroethene

Concen: 1.307 ug/L

RT: 8.555 min Scan# 21

Delta R.T. 0.000 min

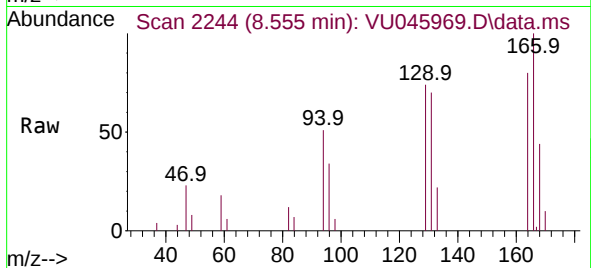
Lab File: VU045969.D

Acq: 23 Nov 2021 20:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 6650

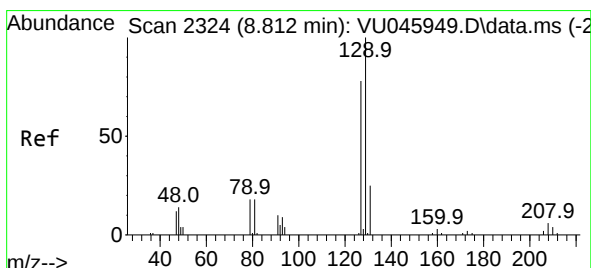
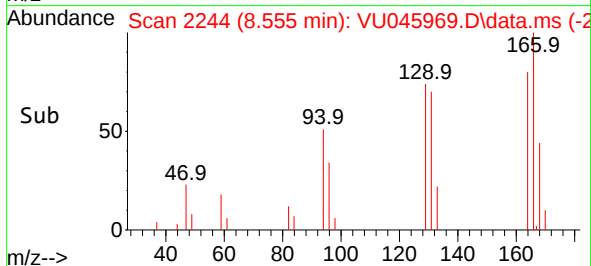
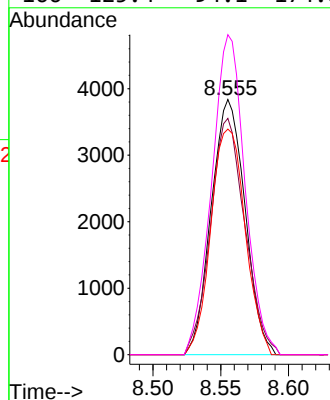
Ion Ratio Lower Upper

164 100

129 92.6 71.8 133.4

131 88.4 68.5 127.3

166 125.4 94.1 174.8



#49

Dibromochloromethane

Concen: 0.997 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU045969.D

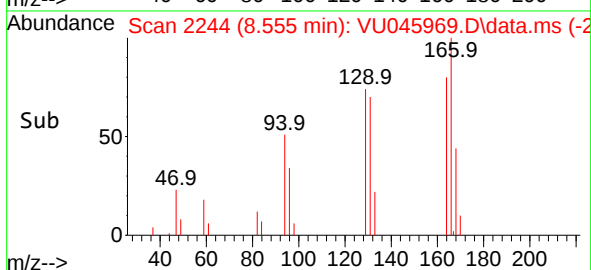
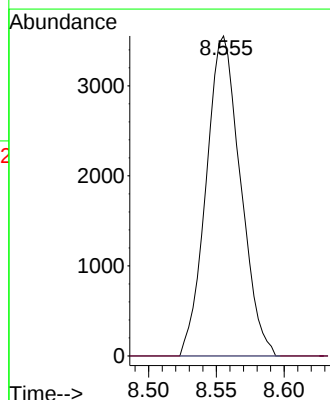
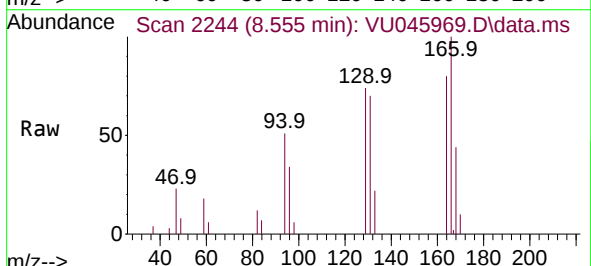
Acq: 23 Nov 2021 20:30

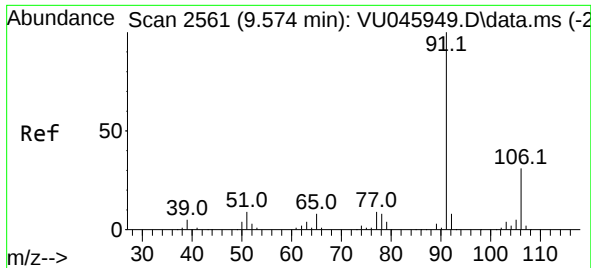
Tgt Ion:129 Resp: 6257

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#

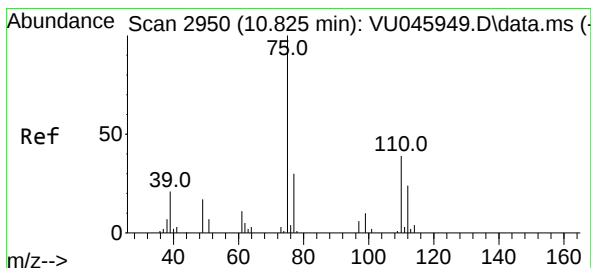
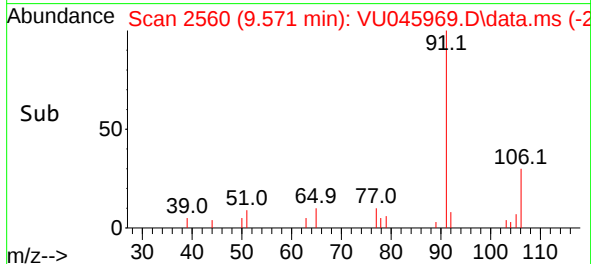
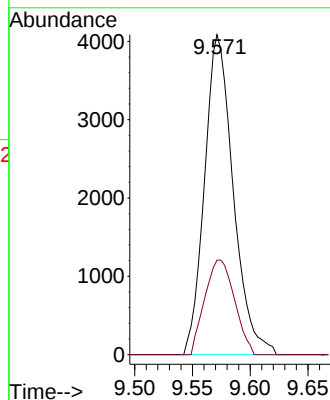
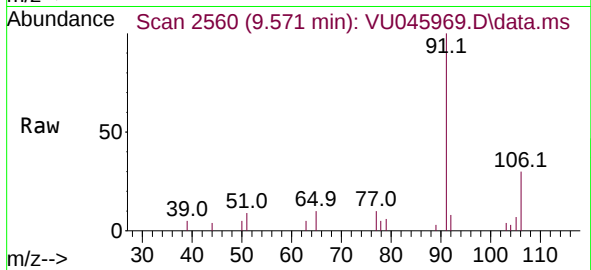




#52
Ethylbenzene
Concen: 0.232 ug/L
RT: 9.571 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045969.D
Acq: 23 Nov 2021 20:30

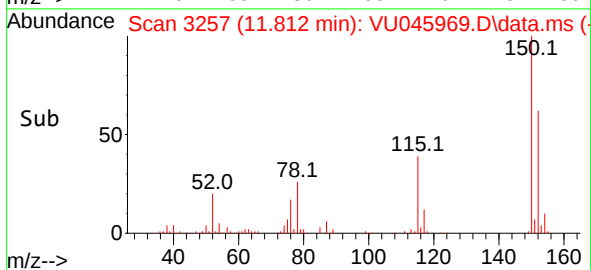
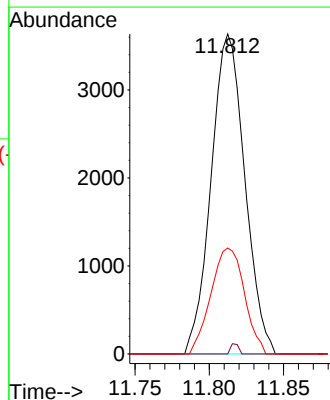
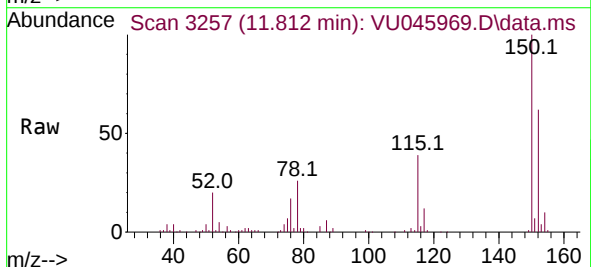
Instrument :
MSVOA_U
ClientSampleId :

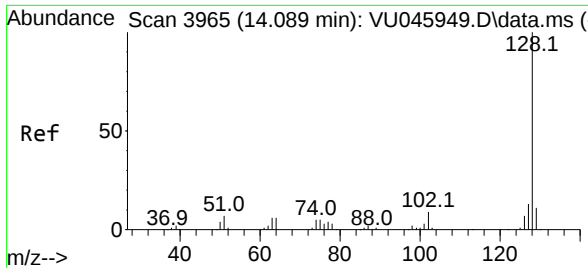
Tgt Ion: 91 Resp: 7062
Ion Ratio Lower Upper
91 100
106 29.5 21.5 39.9



#61
1,2,3-Trichloropropane
Concen: 1.116 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU045969.D
Acq: 23 Nov 2021 20:30

Tgt Ion: 75 Resp: 5728
Ion Ratio Lower Upper
75 100
110 0.8 29.9 44.9#
77 32.9 25.5 38.3





#71

Naphthalene

Concen: 0.404 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.003 min

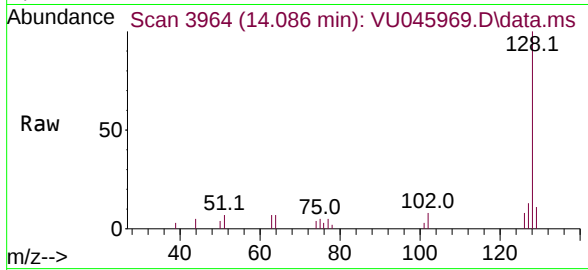
Lab File: VU045969.D

Acq: 23 Nov 2021 20:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 7111

Ion Ratio Lower Upper

128 100

129 9.7 8.4 12.6

127 11.0 10.2 15.2

