

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045824.D
 Acq On : 16 Nov 2021 22:02
 Operator : SY/MD
 Sample : M4686-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:54:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 04:49:52 2021
 Response via : Initial Calibration

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

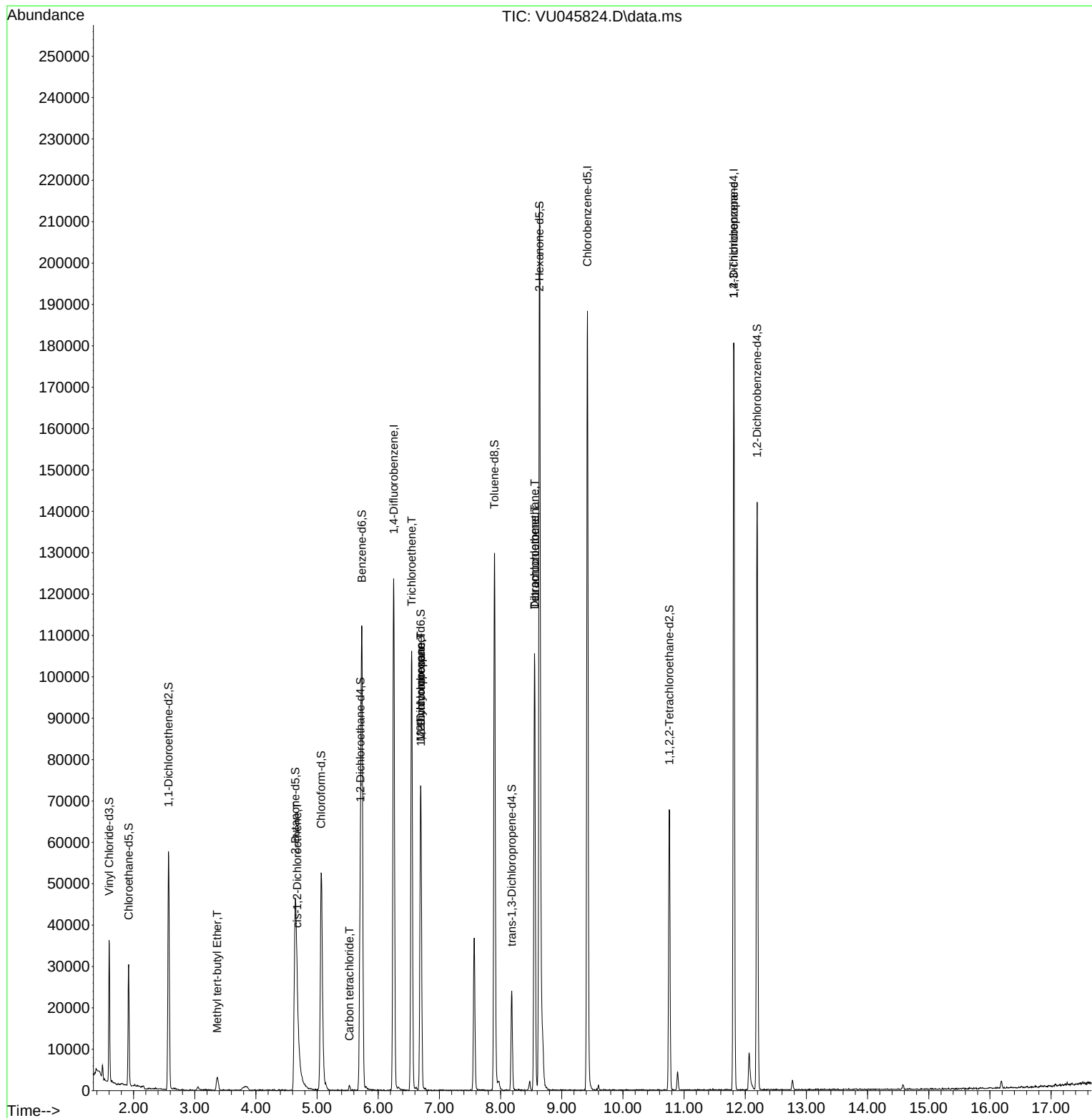
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	98528	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	104128	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	47571	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	23391	2.996	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.000%
7) Chloroethane-d5	1.919	69	21060	3.706	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.200%
11) 1,1-Dichloroethene-d2	2.571	65	11189	3.417	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.400%
20) 2-Butanone-d5	4.645	46	111959	53.519	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.040%
24) Chloroform-d	5.066	84	48227	3.708	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.200%
26) 1,2-Dichloroethane-d4	5.706	65	32399	4.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	5.732	84	104367	3.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.800%
36) 1,2-Dichloropropane-d6	6.693	67	35350	3.911	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.200%
41) Toluene-d8	7.899	98	87377	3.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.400%#
43) trans-1,3-Dichloroprop...	8.182	79	13970	3.808	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.635	63	77416	46.882	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.760%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34246	4.485	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	37158	4.549	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
17) Methyl tert-butyl Ether	3.366	73	3781	0.238	ug/L	99
22) cis-1,2-Dichloroethene	4.674	96	1368	0.193	ug/L	96
31) Carbon tetrachloride	5.526	117	714	0.075	ug/L	99
34) Trichloroethene	6.545	95	36275	4.844	ug/L	98
35) Methylcyclohexane	6.693	83	8220	0.715	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	3701	0.484	ug/L #	88
47) Tetrachloroethene	8.555	164	22733	4.336	ug/L	96
49) Dibromochloromethane	8.555	129	23029	3.562	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6267	1.269	ug/L #	66

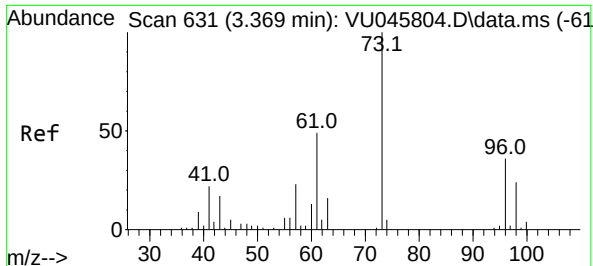
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

Methyl tert-butyl Ether

Concen: 0.238 ug/L

RT: 3.366 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU045824.D

Acq: 16 Nov 2021 22:02

Instrument :

MSVOA_U

ClientSampleId :

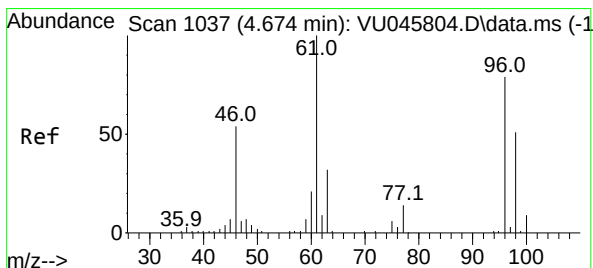
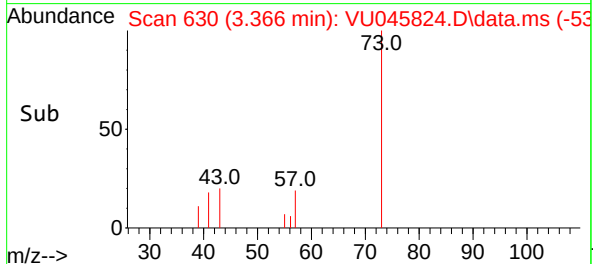
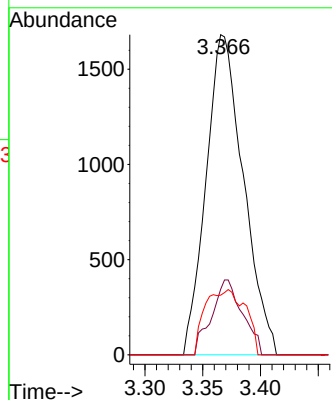
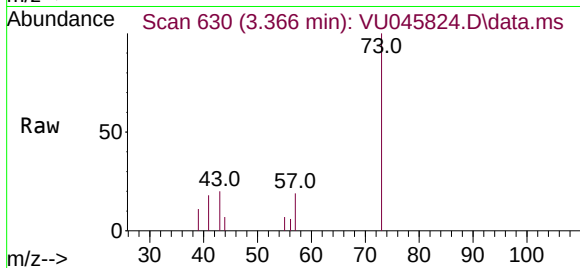
Tgt Ion: 73 Resp: 3781

Ion Ratio Lower Upper

73 100

43 19.4 14.8 22.2

57 21.9 17.4 26.0



#22

cis-1,2-Dichloroethene

Concen: 0.193 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VU045824.D

Acq: 16 Nov 2021 22:02

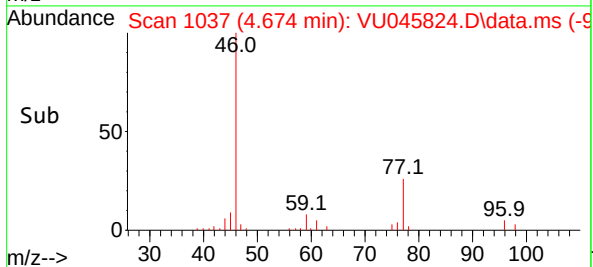
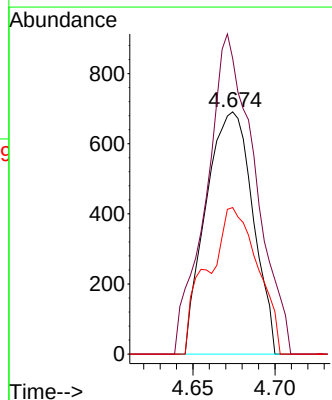
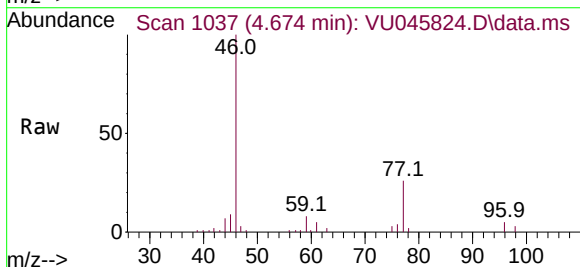
Tgt Ion: 96 Resp: 1368

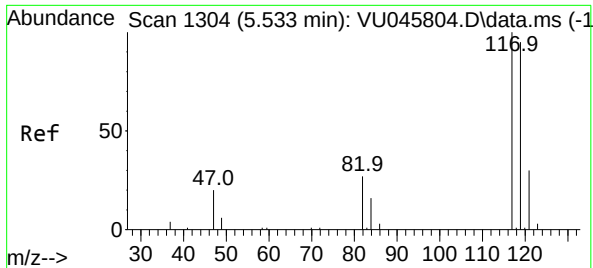
Ion Ratio Lower Upper

96 100

61 122.0 88.5 164.3

98 60.5 44.4 82.5

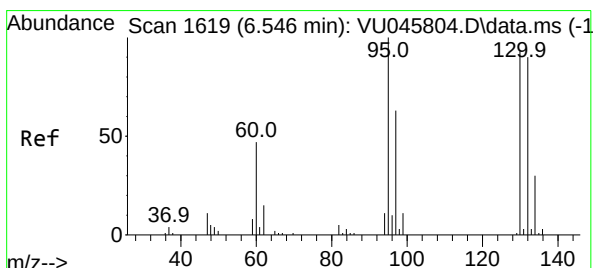
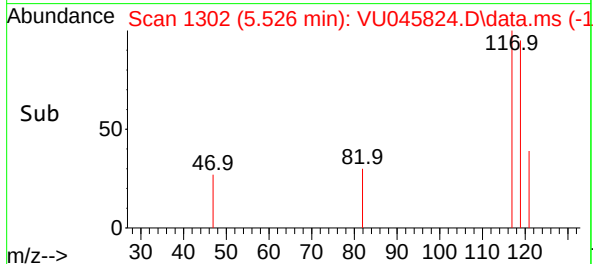
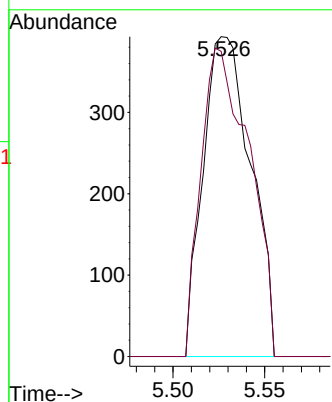
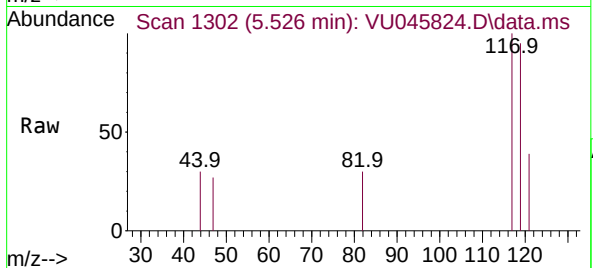




#31
Carbon tetrachloride
Concen: 0.075 ug/L
RT: 5.526 min Scan# 1117
Delta R.T. -0.007 min
Lab File: VU045824.D
Acq: 16 Nov 2021 22:02

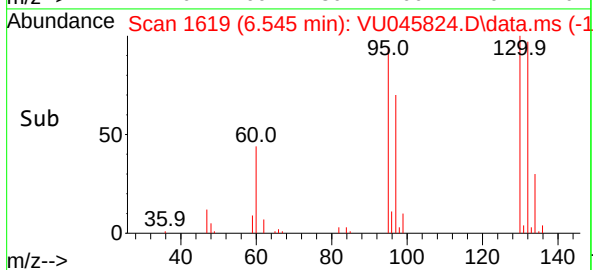
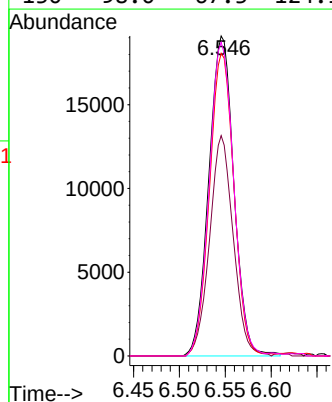
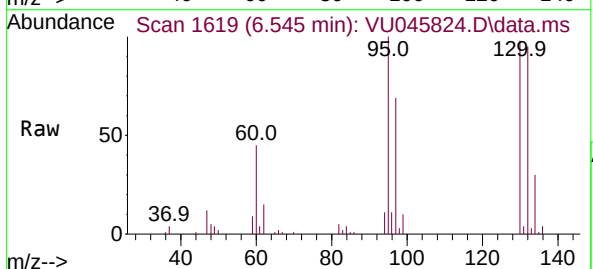
Instrument :
MSVOA_U
ClientSampleId :

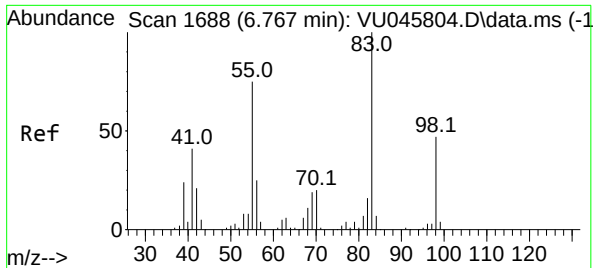
Tgt Ion:117 Resp: 714
Ion Ratio Lower Upper
117 100
119 97.9 77.5 116.3



#34
Trichloroethene
Concen: 4.844 ug/L
RT: 6.545 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045824.D
Acq: 16 Nov 2021 22:02

Tgt Ion: 95 Resp: 36275
Ion Ratio Lower Upper
95 100
97 68.8 46.5 86.5
132 94.6 65.1 120.9
130 98.0 67.3 124.9

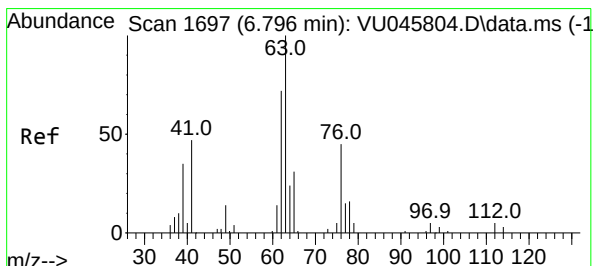
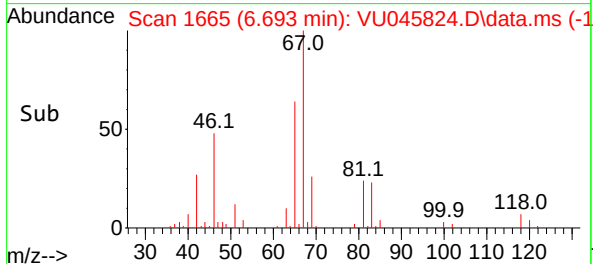
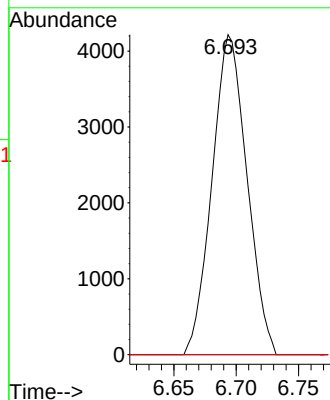
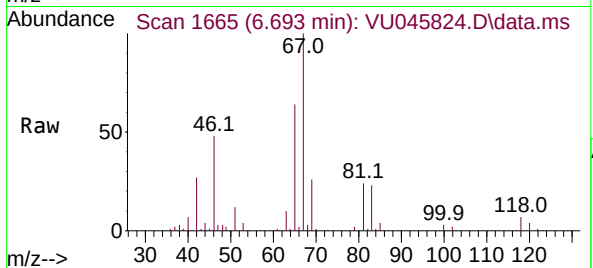




#35
Methylcyclohexane
Concen: 0.715 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045824.D
Acq: 16 Nov 2021 22:02

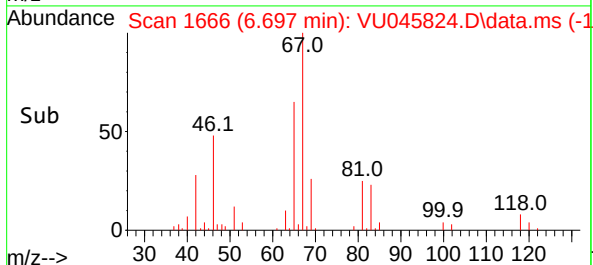
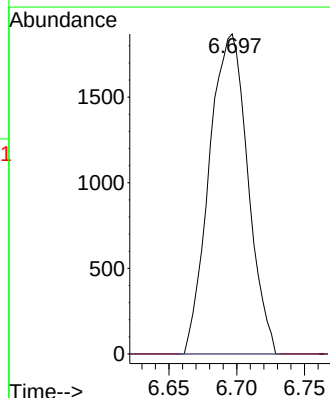
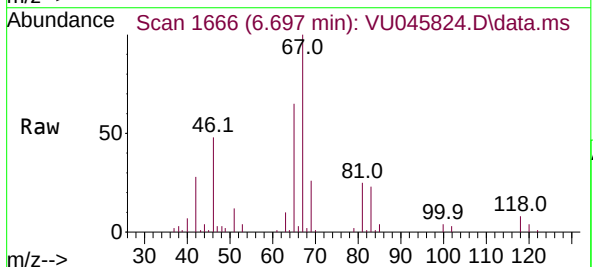
Instrument :
MSVOA_U
ClientSampleId :

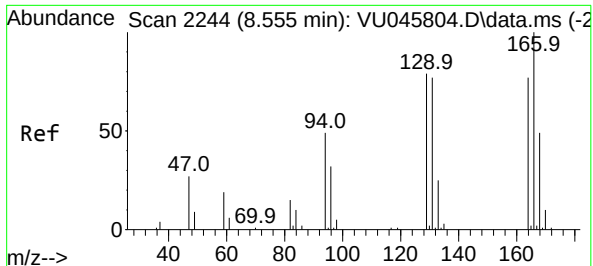
Tgt Ion: 83 Resp: 8220
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.484 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU045824.D
Acq: 16 Nov 2021 22:02

Tgt Ion: 63 Resp: 3701
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 4.336 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

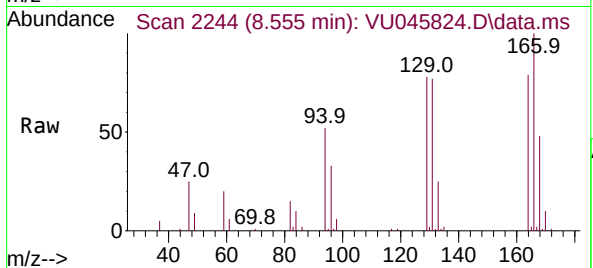
Lab File: VU045824.D

Acq: 16 Nov 2021 22:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 22733

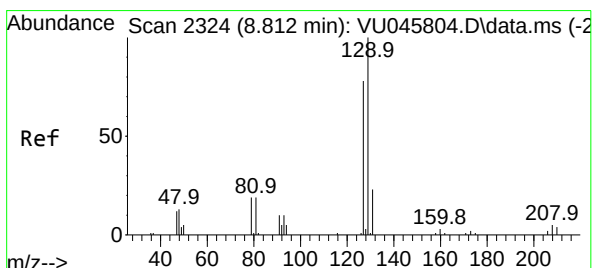
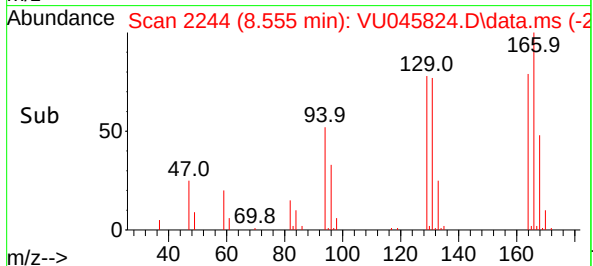
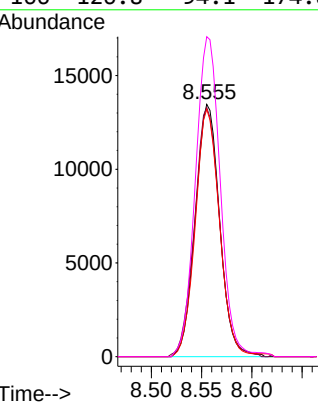
Ion Ratio Lower Upper

164 100

129 98.7 71.8 133.4

131 98.0 68.5 127.3

166 126.8 94.1 174.8



#49

Dibromochloromethane

Concen: 3.562 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU045824.D

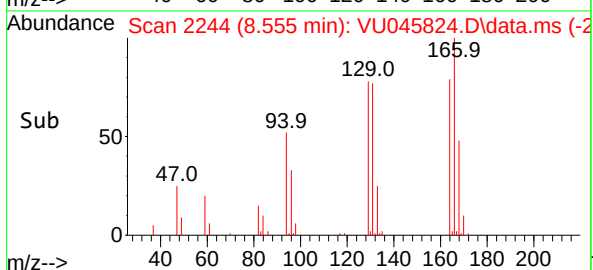
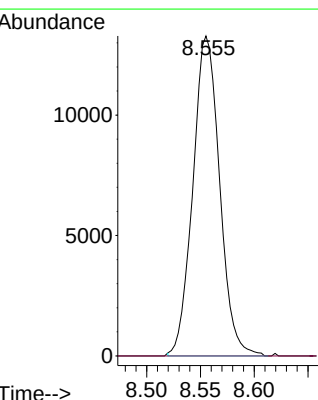
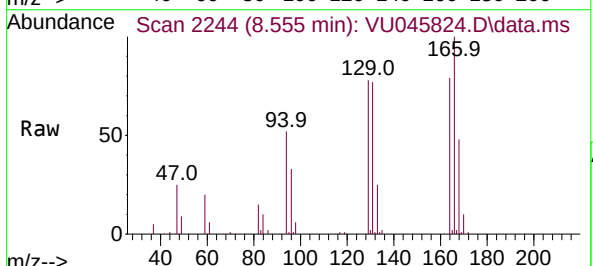
Acq: 16 Nov 2021 22:02

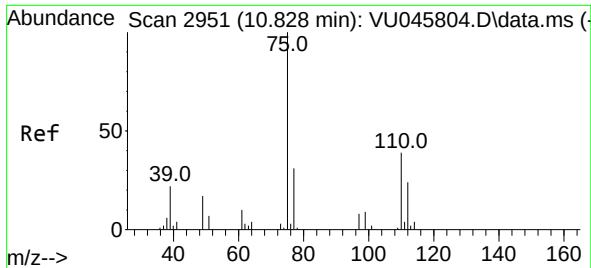
Tgt Ion:129 Resp: 23029

Ion Ratio Lower Upper

129 100

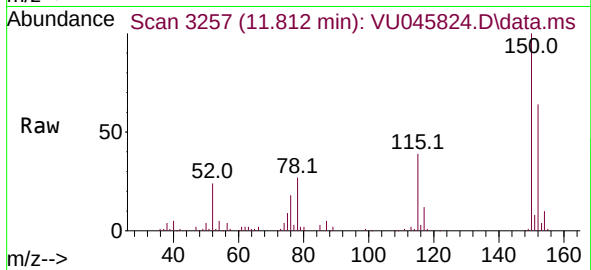
127 0.0 55.4 102.8#





#61
1,2,3-Trichloropropane
Concen: 1.269 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.984 min
Lab File: VU045824.D
Acq: 16 Nov 2021 22:02

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 6267
Ion Ratio Lower Upper
75 100
110 0.3 29.9 44.9#
77 31.4 25.5 38.3

