

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045818.D
 Acq On : 16 Nov 2021 19:38
 Operator : SY/MD
 Sample : M4686-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:53:16 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)

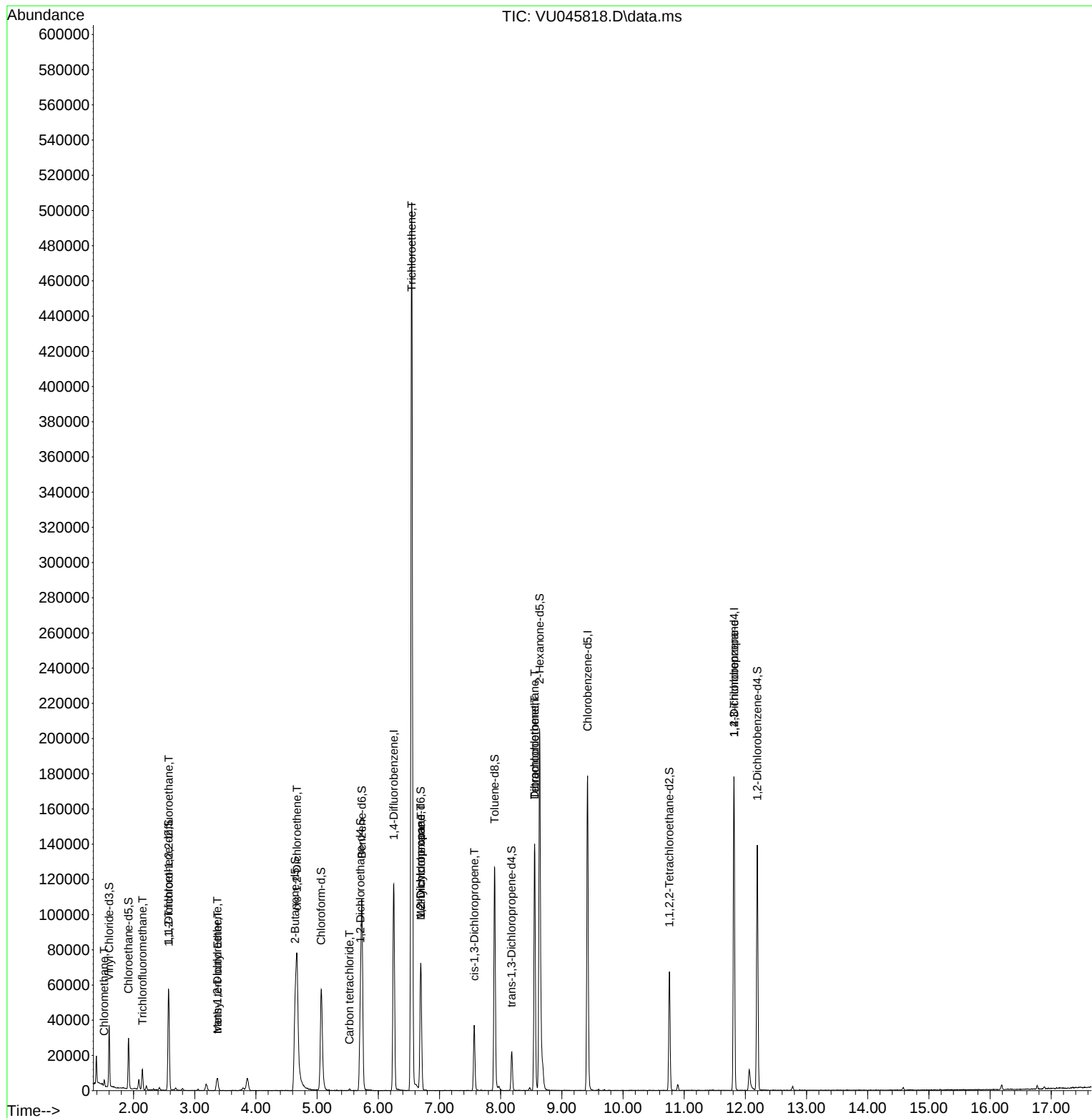
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	93855	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	99419	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	45833	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	23132	3.111	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.200%
7) Chloroethane-d5	1.916	69	21170	3.911	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.571	65	11005	3.529	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	4.642	46	109073	54.735	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.480%
24) Chloroform-d	5.067	84	49544	3.999	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.000%
26) 1,2-Dichloroethane-d4	5.706	65	31416	4.322	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
32) Benzene-d6	5.732	84	101288	3.700	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.000%
36) 1,2-Dichloropropane-d6	6.693	67	35080	4.065	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.902	98	85467	3.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.000%#
43) trans-1,3-Dichloroprop...	8.179	79	13529	3.862	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.200%
46) 2-Hexanone-d5	8.636	63	74400	47.190	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.380%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32799	4.499	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	35796	4.549	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						Qvalue
3) Chloromethane	1.520	50	2436	0.301	ug/L	96
9) Trichlorofluoromethane	2.144	101	7300	0.696	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	508	0.083	ug/L #	71
17) Methyl tert-butyl Ether	3.372	73	6912	0.457	ug/L	99
18) trans-1,2-Dichloroethene	3.369	96	662	0.106	ug/L	72
22) cis-1,2-Dichloroethene	4.671	96	22164	3.282	ug/L	97
31) Carbon tetrachloride	5.530	117	567	0.062	ug/L	98
34) Trichloroethene	6.546	95	171731	24.018	ug/L	99
35) Methylcyclohexane	6.697	83	8013	0.730	ug/L #	17
37) 1,2-Dichloropropane	6.693	63	3797	0.520	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	979	0.094	ug/L #	51
47) Tetrachloroethene	8.555	164	29971	5.988	ug/L	97
49) Dibromochloromethane	8.555	129	30182	4.889	ug/L #	10
61) 1,2,3-Trichloropropane	11.815	75	5781	1.215	ug/L #	66

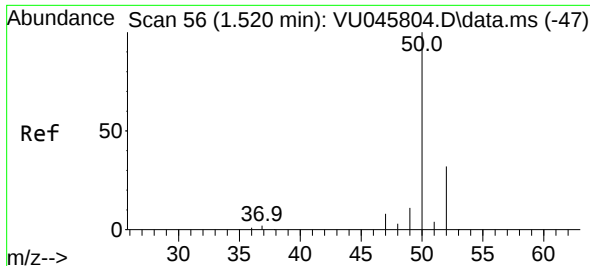
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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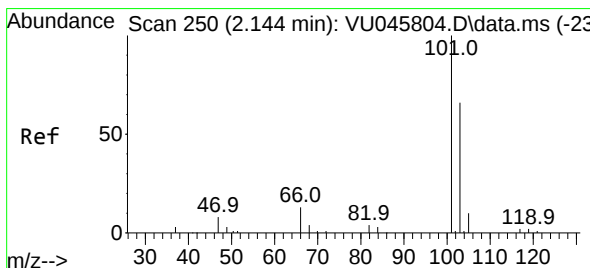
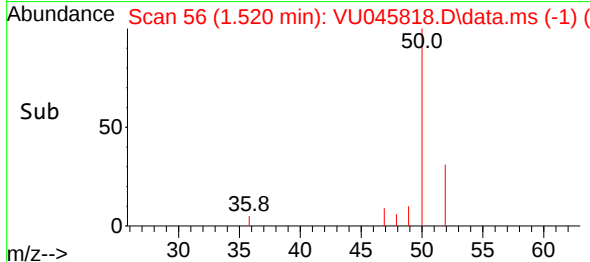
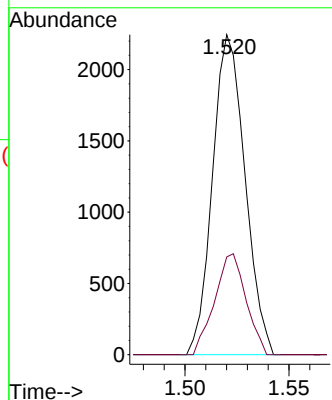
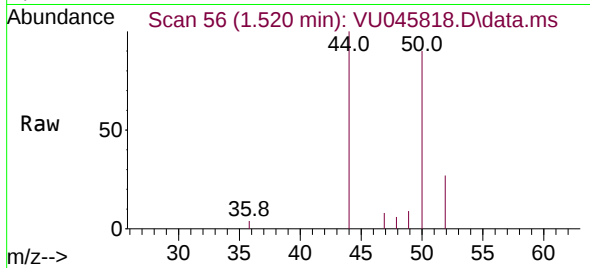




#3
Chloromethane
Concen: 0.301 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU045818.D
Acq: 16 Nov 2021 19:38

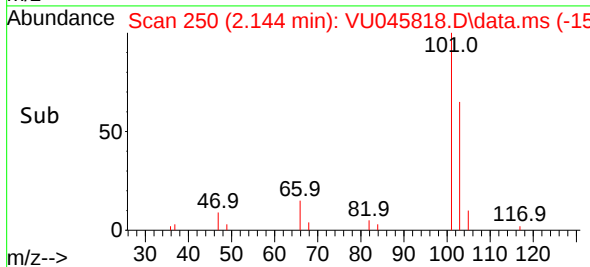
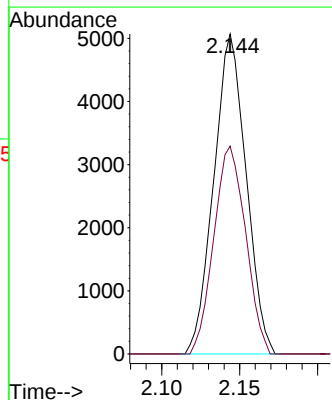
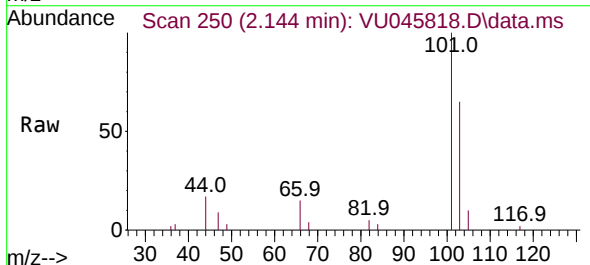
Instrument :
MSVOA_U
ClientSampleId :

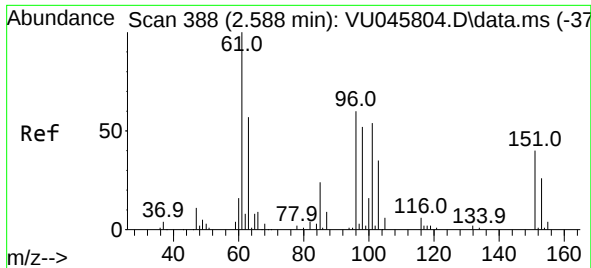
Tgt Ion: 50 Resp: 2436
Ion Ratio Lower Upper
50 100
52 30.6 23.0 42.8



#9
Trichlorofluoromethane
Concen: 0.696 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU045818.D
Acq: 16 Nov 2021 19:38

Tgt Ion: 101 Resp: 7300
Ion Ratio Lower Upper
101 100
103 63.9 51.5 77.3

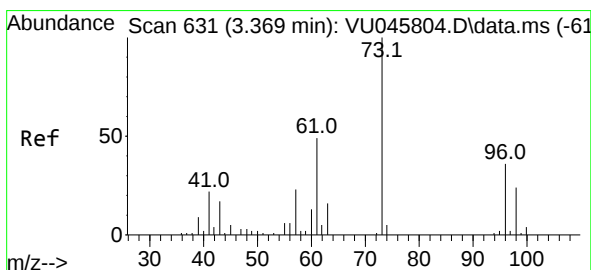
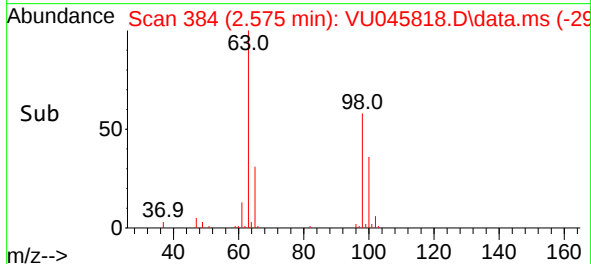
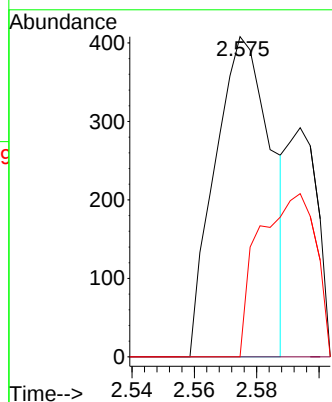
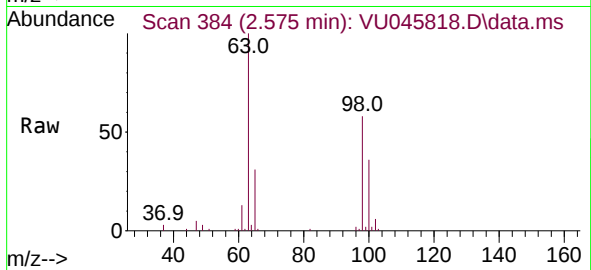




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.083 ug/L
 RT: 2.575 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VU045818.D
 Acq: 16 Nov 2021 19:38

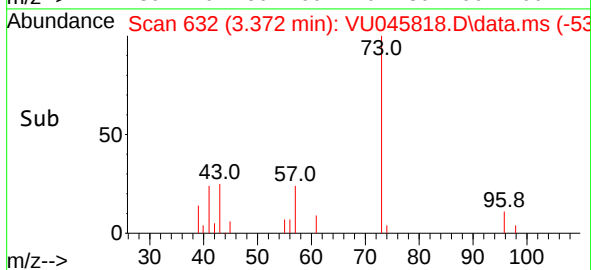
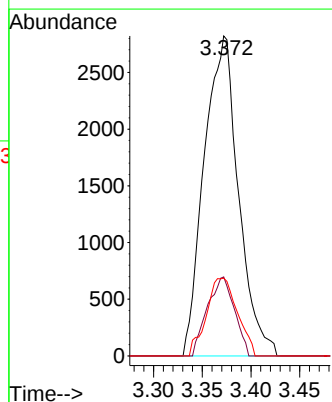
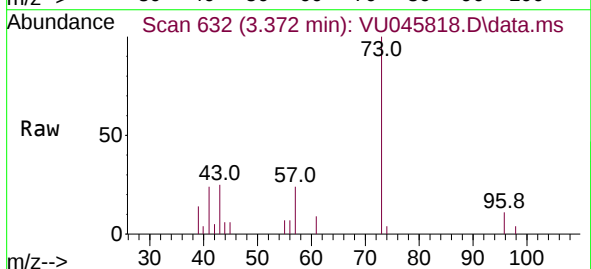
Instrument :
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 ClientSampleId :

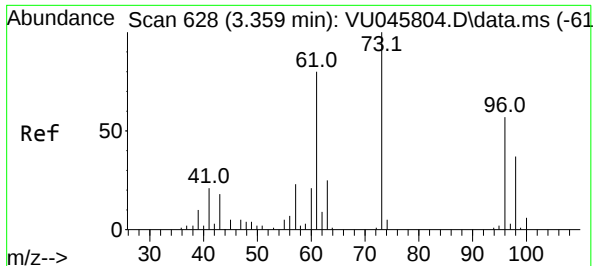
Tgt Ion:101 Resp: 508
 Ion Ratio Lower Upper
 101 100
 85 68.9 34.6 51.8#
 151 51.6 56.1 84.1#



#17
 Methyl tert-butyl Ether
 Concen: 0.457 ug/L
 RT: 3.372 min Scan# 632
 Delta R.T. 0.003 min
 Lab File: VU045818.D
 Acq: 16 Nov 2021 19:38

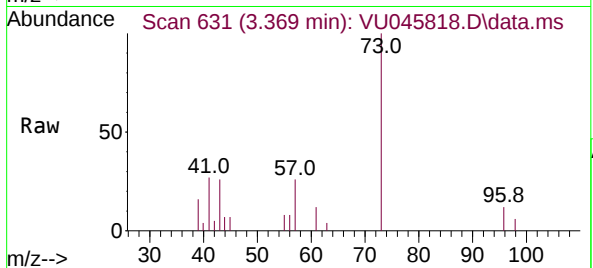
Tgt Ion: 73 Resp: 6912
 Ion Ratio Lower Upper
 73 100
 43 19.5 14.8 22.2
 57 21.9 17.4 26.0



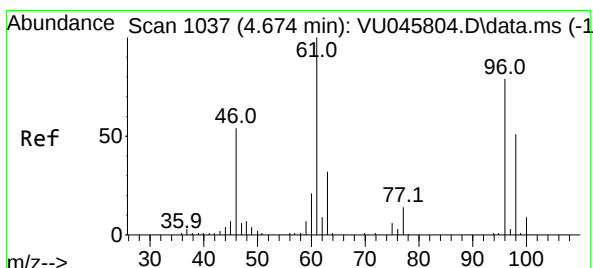
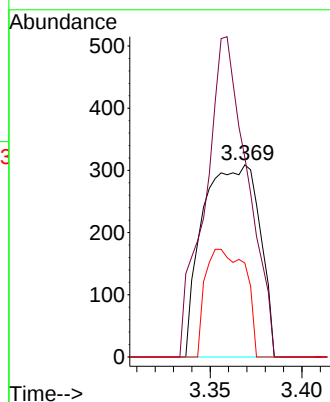
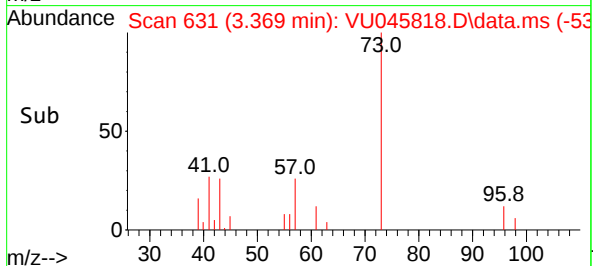


#18
trans-1,2-Dichloroethene
Concen: 0.106 ug/L
RT: 3.369 min Scan# 61
Delta R.T. 0.010 min
Lab File: VU045818.D
Acq: 16 Nov 2021 19:38

Instrument :
MSVOA_U
ClientSampleId :

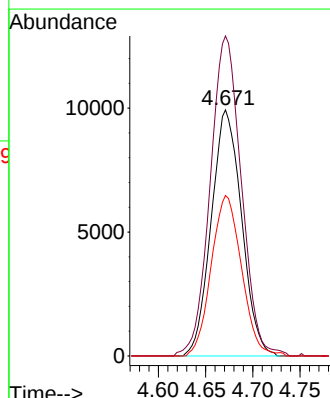
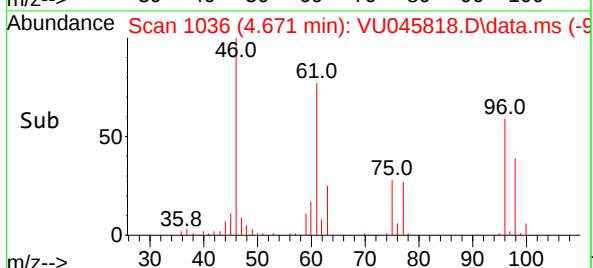
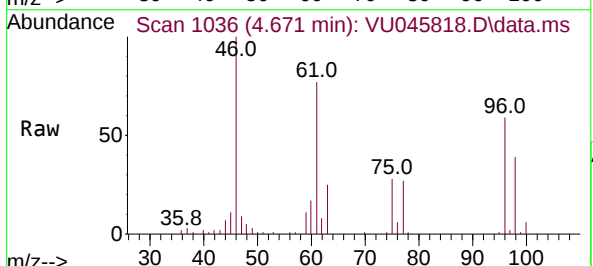


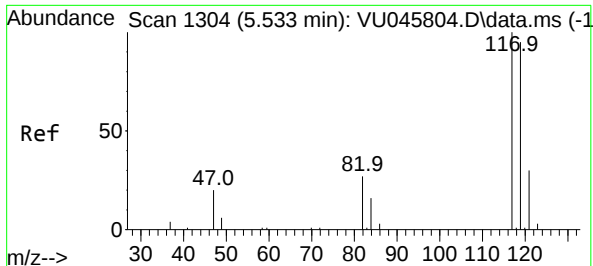
Tgt Ion: 96 Resp: 662
Ion Ratio Lower Upper
96 100
61 103.9 100.8 187.2
98 48.9 45.1 83.7



#22
cis-1,2-Dichloroethene
Concen: 3.282 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU045818.D
Acq: 16 Nov 2021 19:38

Tgt Ion: 96 Resp: 22164
Ion Ratio Lower Upper
96 100
61 130.0 88.5 164.3
98 65.2 44.4 82.5

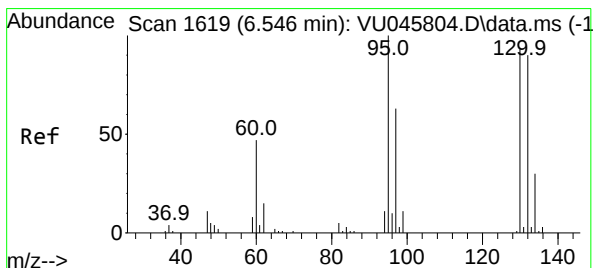
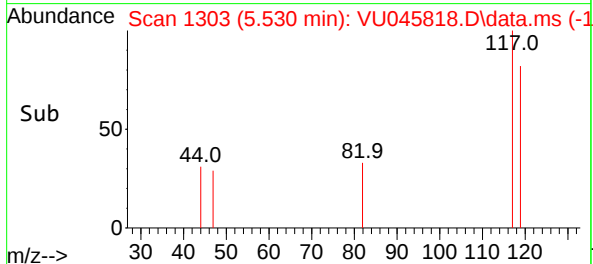
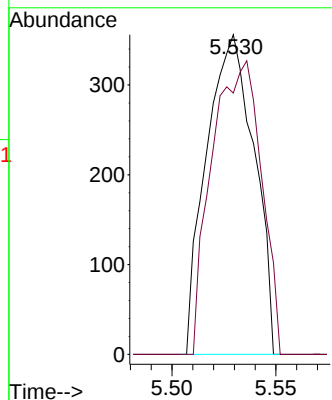
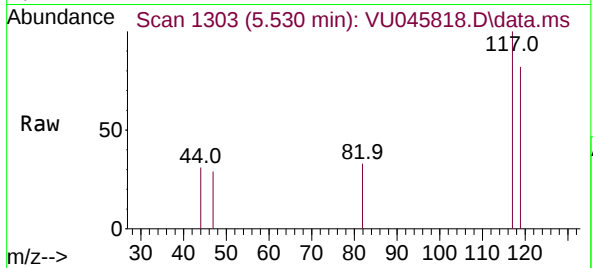




#31
Carbon tetrachloride
Concen: 0.062 ug/L
RT: 5.530 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU045818.D
Acq: 16 Nov 2021 19:38

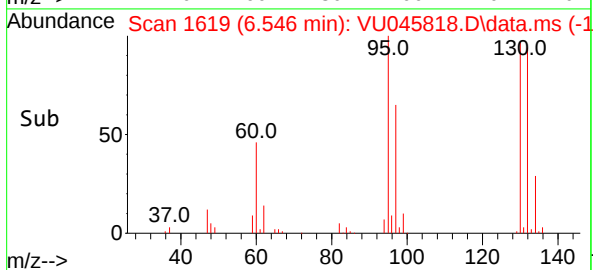
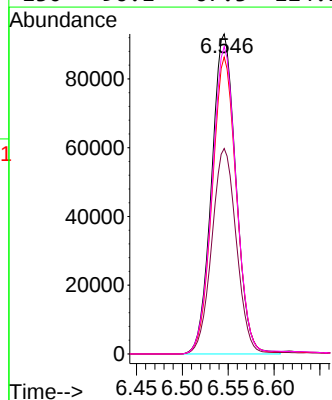
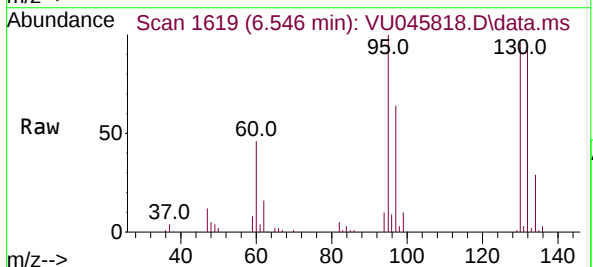
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MSVOA_U
ClientSampleId :

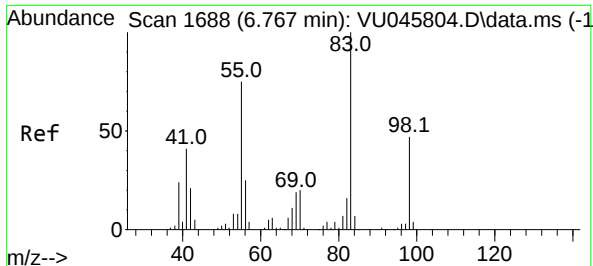
Tgt Ion:117 Resp: 567
Ion Ratio Lower Upper
117 100
119 95.2 77.5 116.3



#34
Trichloroethene
Concen: 24.018 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045818.D
Acq: 16 Nov 2021 19:38

Tgt Ion: 95 Resp: 171731
Ion Ratio Lower Upper
95 100
97 64.2 46.5 86.5
132 92.8 65.1 120.9
130 96.1 67.3 124.9

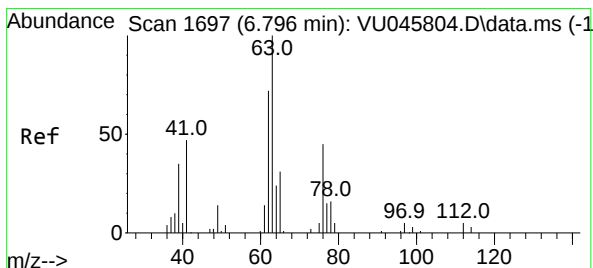
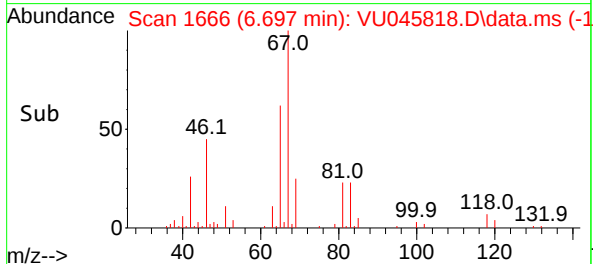
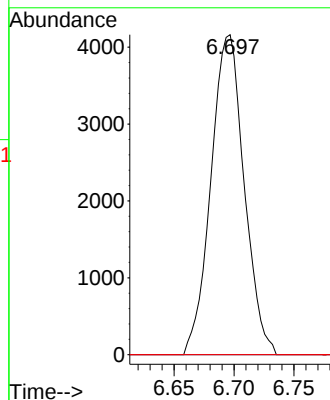
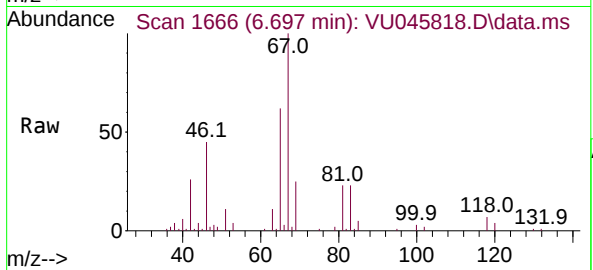




#35
Methylcyclohexane
Concen: 0.730 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU045818.D
Acq: 16 Nov 2021 19:38

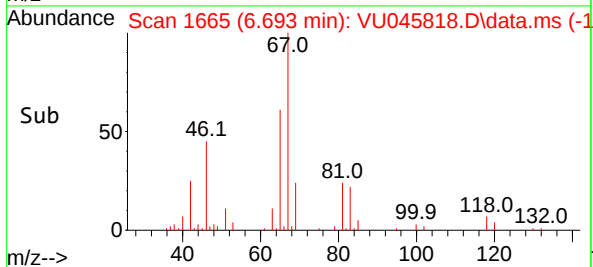
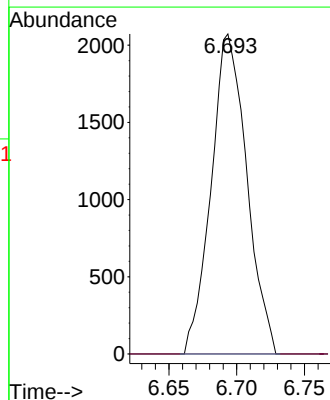
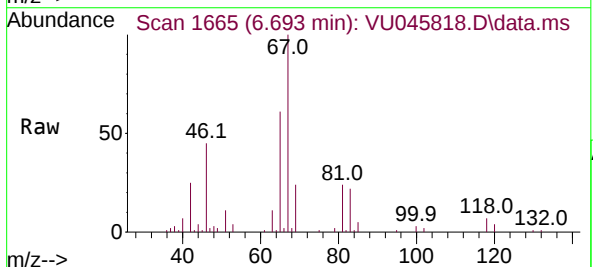
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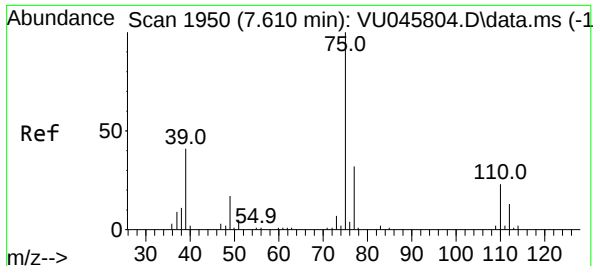
Tgt Ion: 83 Resp: 8013
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.520 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045818.D
Acq: 16 Nov 2021 19:38

Tgt Ion: 63 Resp: 3797
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.568 min Scan# 19

Delta R.T. -0.042 min

Lab File: VU045818.D

Acq: 16 Nov 2021 19:38

Instrument :

MSVOA_U

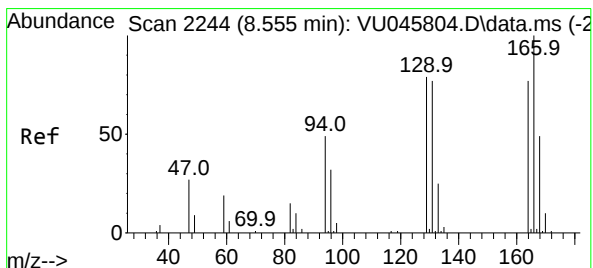
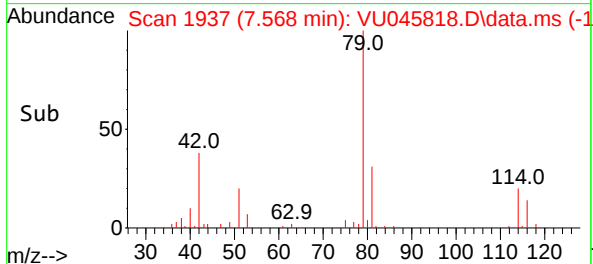
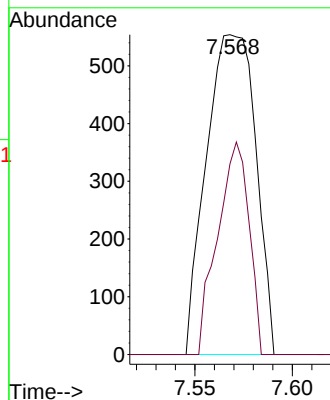
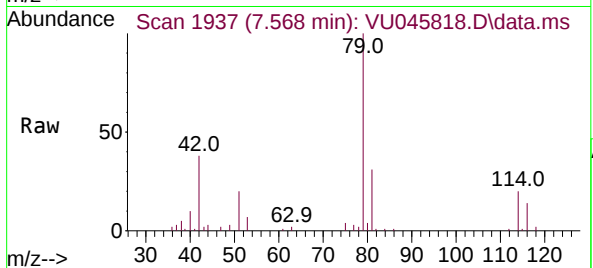
ClientSampleId :

Tgt Ion: 75 Resp: 979

Ion Ratio Lower Upper

75 100

77 59.6 22.5 41.9#



#47

Tetrachloroethene

Concen: 5.988 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU045818.D

Acq: 16 Nov 2021 19:38

Tgt Ion: 164 Resp: 29971

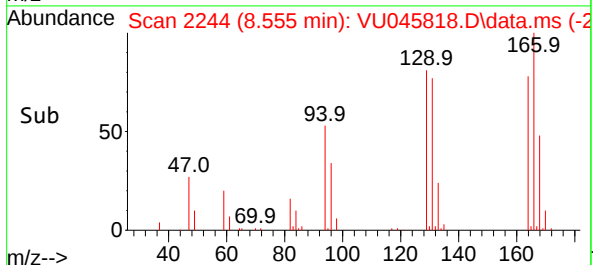
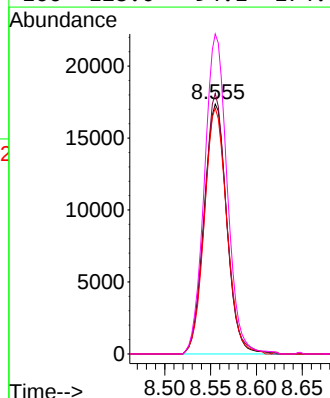
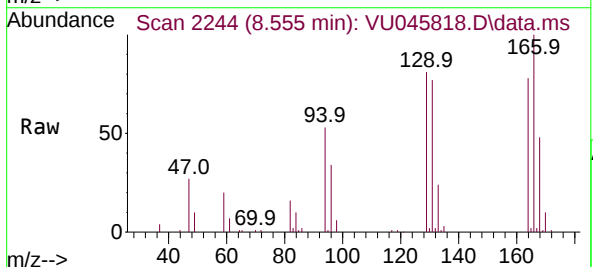
Ion Ratio Lower Upper

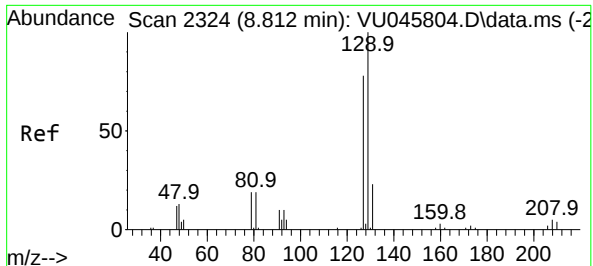
164 100

129 104.2 71.8 133.4

131 98.4 68.5 127.3

166 128.0 94.1 174.8





#49

Dibromochloromethane

Concen: 4.889 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min MSVOA_U

Lab File: VU045818.D

Acq: 16 Nov 2021 19:38

Instrument :

MSVOA_U

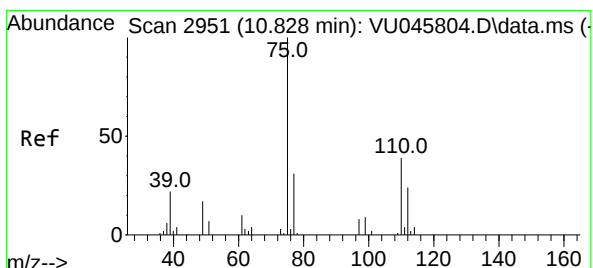
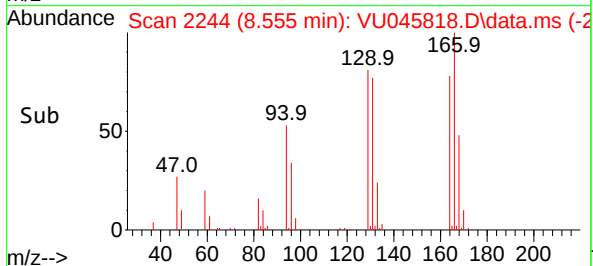
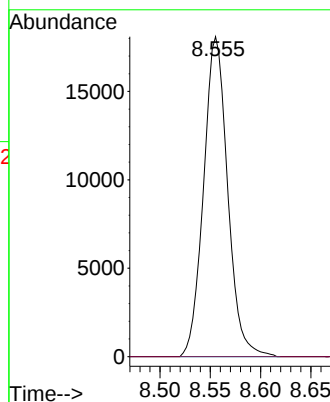
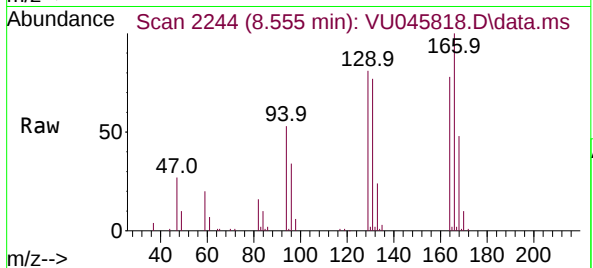
ClientSampleId :

Tgt Ion:129 Resp: 30182

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.215 ug/L

RT: 11.815 min Scan# 3258

Delta R.T. 0.987 min

Lab File: VU045818.D

Acq: 16 Nov 2021 19:38

Tgt Ion: 75 Resp: 5781

Ion Ratio Lower Upper

75 100

110 0.3 29.9 44.9#

77 32.9 25.5 38.3

