

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045815.D
 Acq On : 16 Nov 2021 18:26
 Operator : SY/MD
 Sample : M4686-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:52:32 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)

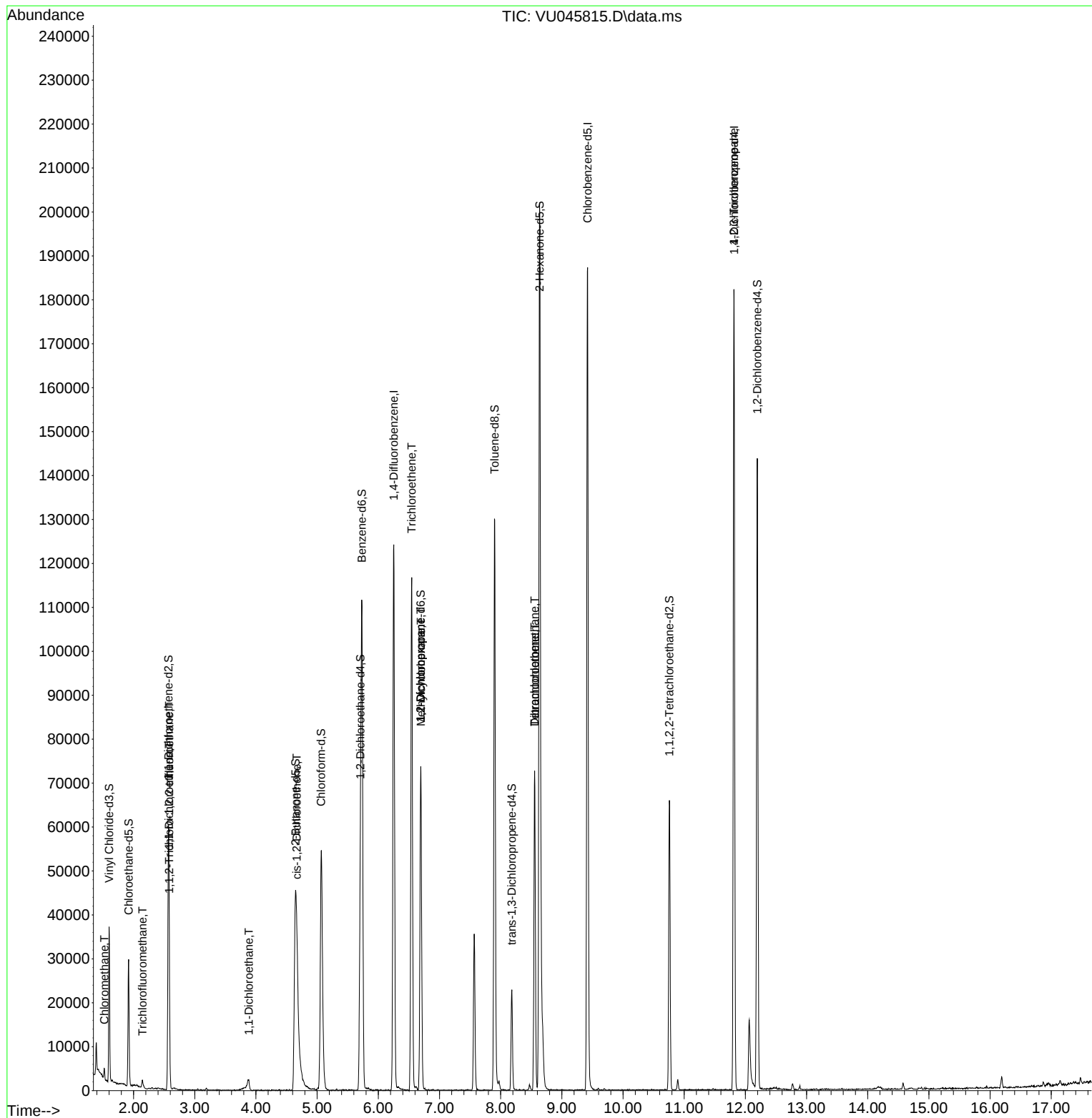
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	97817	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	104286	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	47190	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	24295	3.135	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.600%
7) Chloroethane-d5	1.919	69	20838	3.694	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.800%
11) 1,1-Dichloroethene-d2	2.572	65	11303	3.477	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.600%
20) 2-Butanone-d5	4.649	46	107075	51.556	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.120%
24) Chloroform-d	5.067	84	49092	3.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.000%
26) 1,2-Dichloroethane-d4	5.706	65	32141	4.243	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	5.732	84	103575	3.607	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.200%
36) 1,2-Dichloropropane-d6	6.694	67	34790	3.844	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.800%
41) Toluene-d8	7.899	98	86574	3.332	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.600%#
43) trans-1,3-Dichloroprop...	8.182	79	13736	3.738	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.636	63	74947	45.318	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.640%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32916	4.305	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	36583	4.515	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
3) Chloromethane	1.523	50	1926	0.228	ug/L	90
9) Trichlorofluoromethane	2.144	101	894	0.082	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	494	0.077	ug/L #	32
12) 1,1-Dichloroethene	2.581	96	1506	0.249	ug/L #	1
19) 1,1-Dichloroethane	3.883	63	3319	0.273	ug/L	90
22) cis-1,2-Dichloroethene	4.668	96	3944	0.560	ug/L	95
34) Trichloroethene	6.546	95	39208	5.228	ug/L	99
35) Methylcyclohexane	6.697	83	8257	0.717	ug/L #	18
37) 1,2-Dichloropropane	6.694	63	3623	0.473	ug/L #	88
47) Tetrachloroethene	8.555	164	15723	2.995	ug/L	92
49) Dibromochloromethane	8.555	129	15499	2.393	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6109	1.247	ug/L #	66

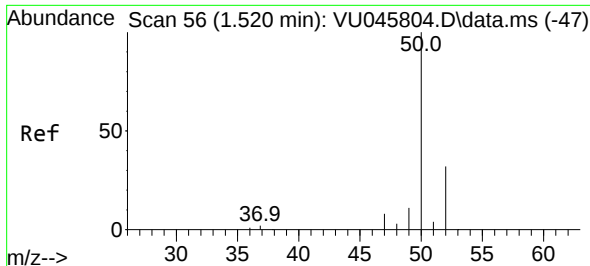
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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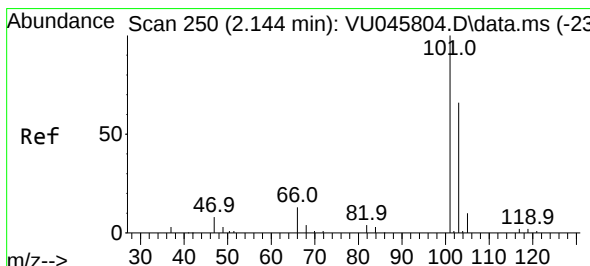
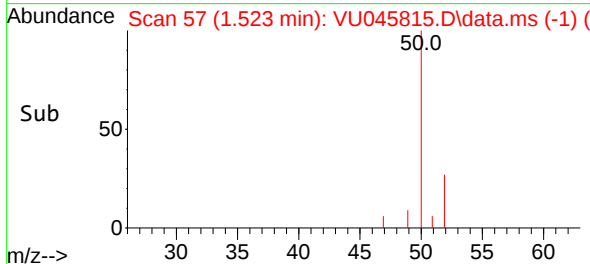
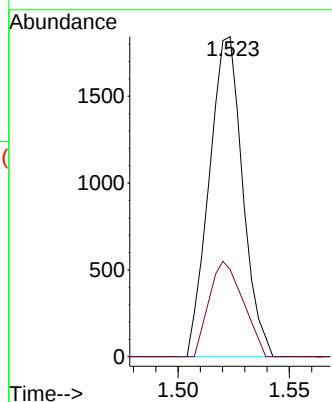
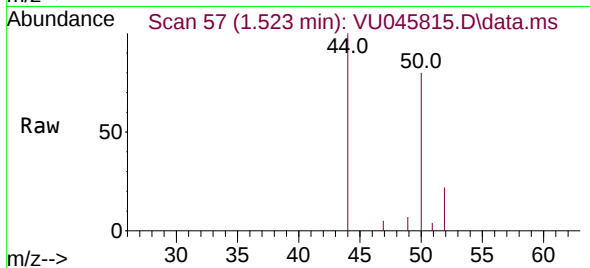




#3
Chloromethane
Concen: 0.228 ug/L
RT: 1.523 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045815.D
Acq: 16 Nov 2021 18:26

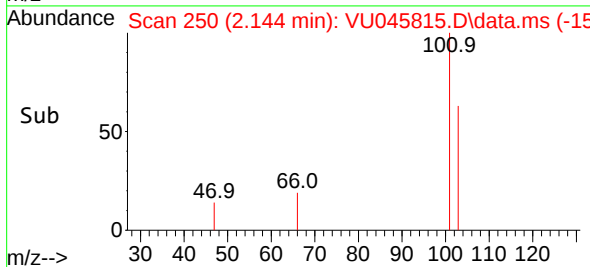
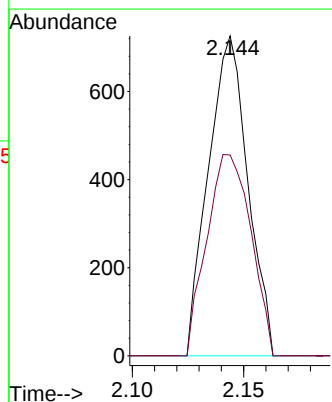
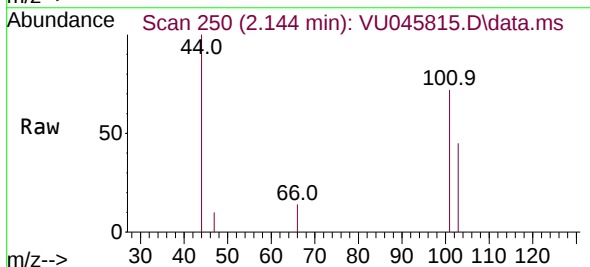
Instrument :
MSVOA_U
ClientSampleId :

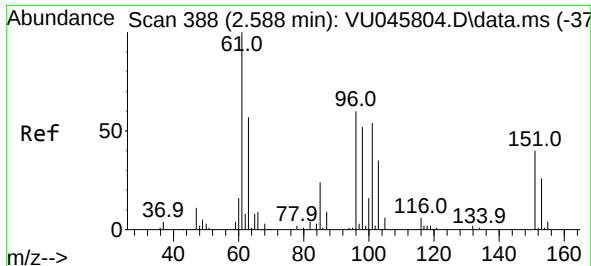
Tgt Ion: 50 Resp: 1926
Ion Ratio Lower Upper
50 100
52 27.2 23.0 42.8



#9
Trichlorofluoromethane
Concen: 0.082 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU045815.D
Acq: 16 Nov 2021 18:26

Tgt Ion: 101 Resp: 894
Ion Ratio Lower Upper
101 100
103 70.4 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.077 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU045815.D

Acq: 16 Nov 2021 18:26

Instrument :

MSVOA_U

ClientSampleId :

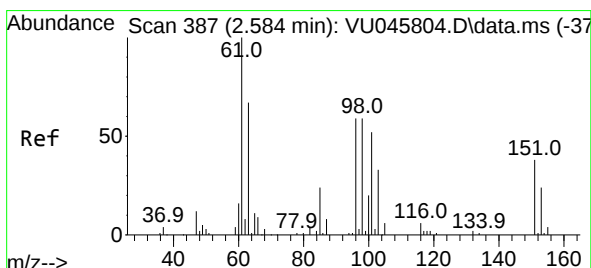
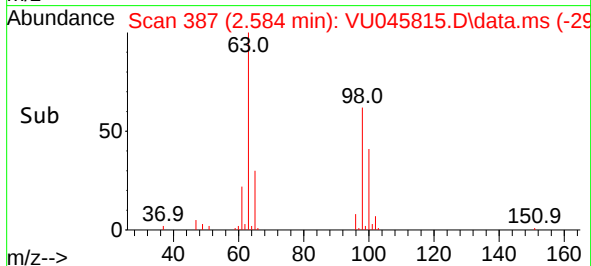
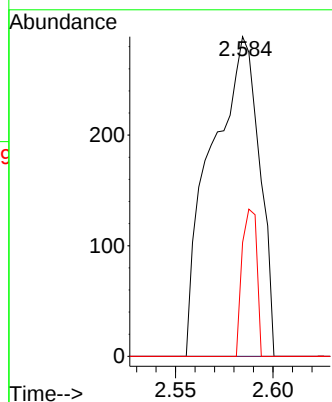
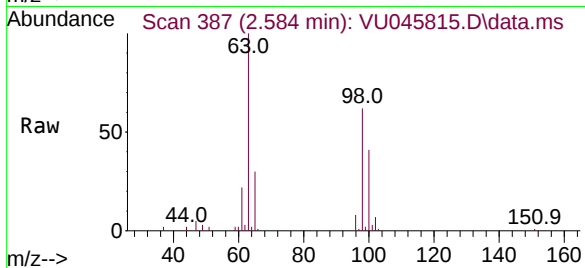
Tgt Ion:101 Resp: 494

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 14.2 56.1 84.1#



#12

1,1-Dichloroethene

Concen: 0.249 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU045815.D

Acq: 16 Nov 2021 18:26

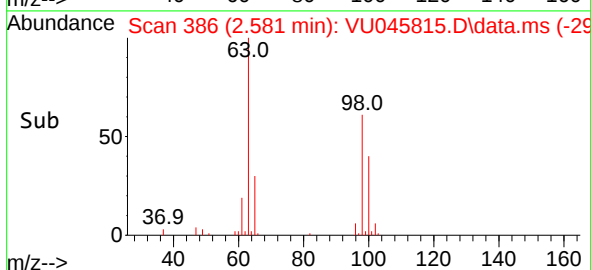
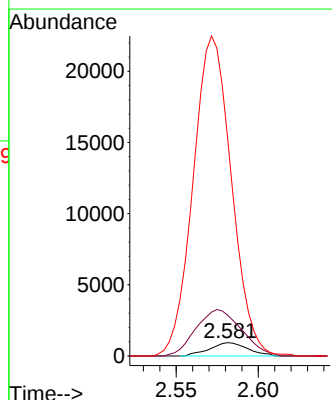
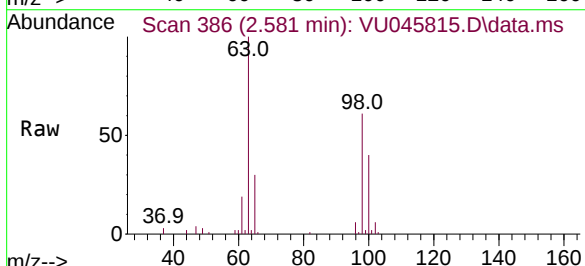
Tgt Ion: 96 Resp: 1506

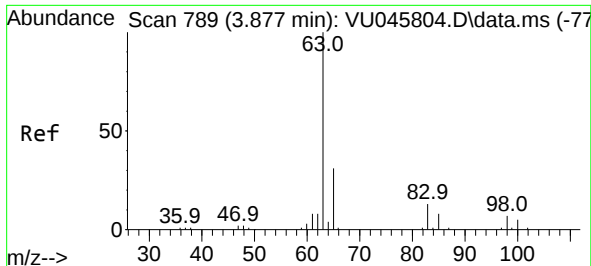
Ion Ratio Lower Upper

96 100

61 308.6 124.7 231.5#

63 1660.8 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 0.273 ug/L

RT: 3.883 min Scan# 791

Delta R.T. 0.006 min

Lab File: VU045815.D

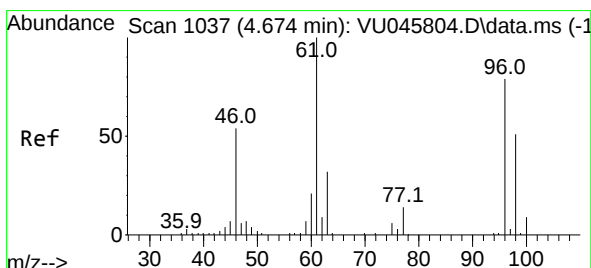
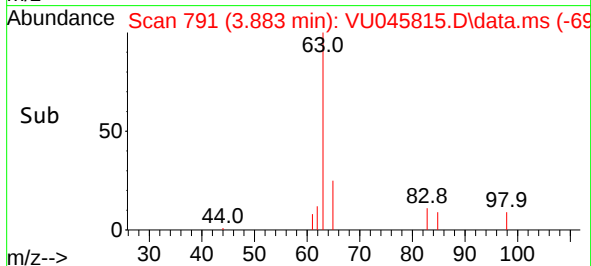
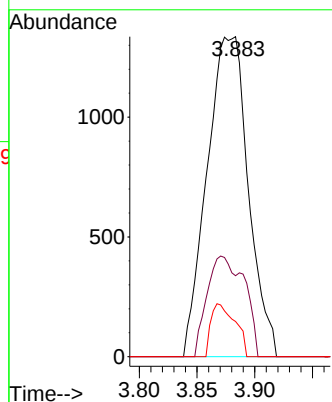
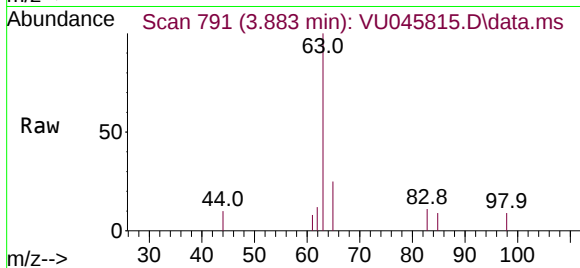
Acq: 16 Nov 2021 18:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	3319
Ion	Ratio	Lower	Upper
63	100		
65	25.3	22.3	41.5
83	11.0	9.6	17.8



#22

cis-1,2-Dichloroethene

Concen: 0.560 ug/L

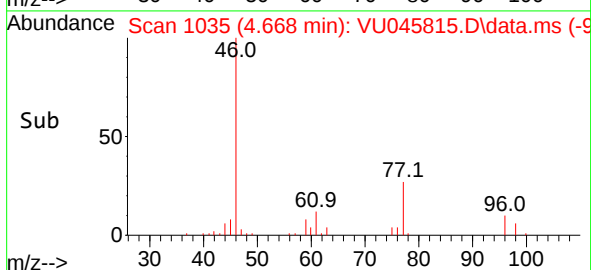
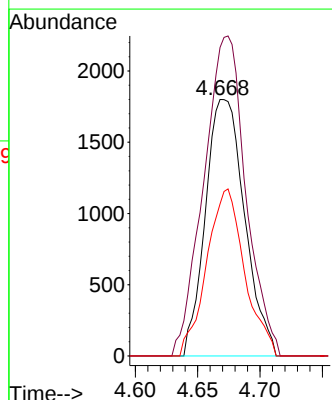
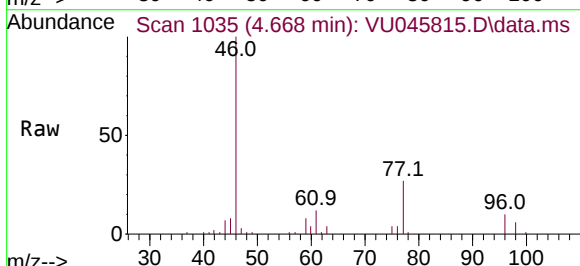
RT: 4.668 min Scan# 1035

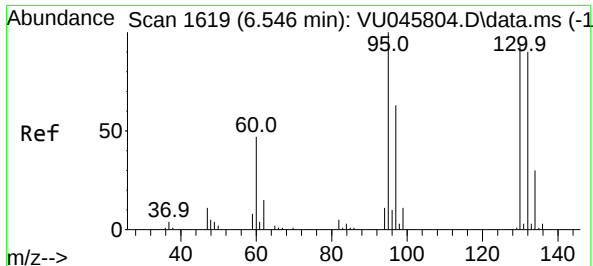
Delta R.T. -0.006 min

Lab File: VU045815.D

Acq: 16 Nov 2021 18:26

Tgt Ion:	96	Resp:	3944
Ion	Ratio	Lower	Upper
96	100		
61	120.3	88.5	164.3
98	59.3	44.4	82.5

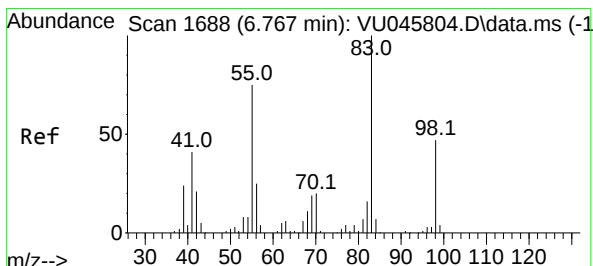
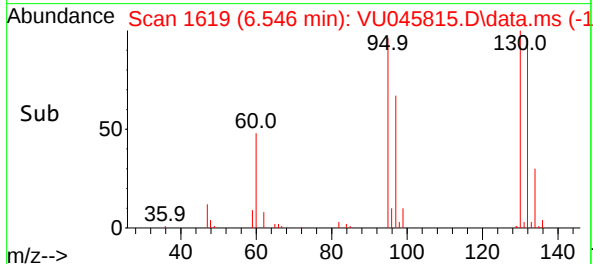
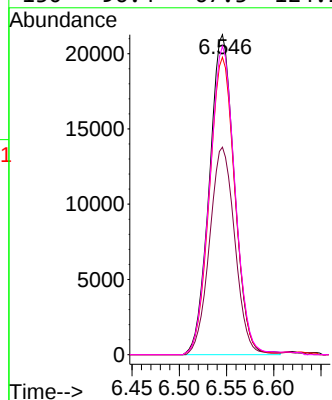
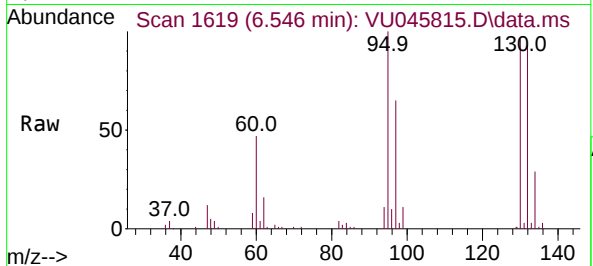




#34
Trichloroethene
Concen: 5.228 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045815.D
Acq: 16 Nov 2021 18:26

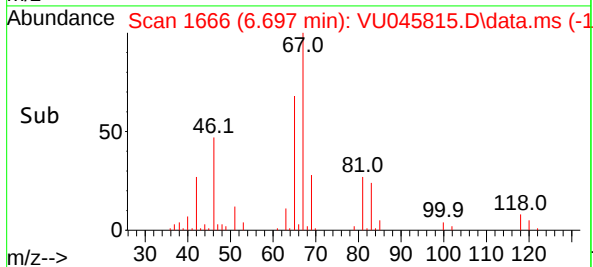
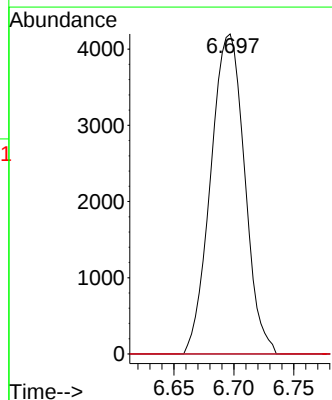
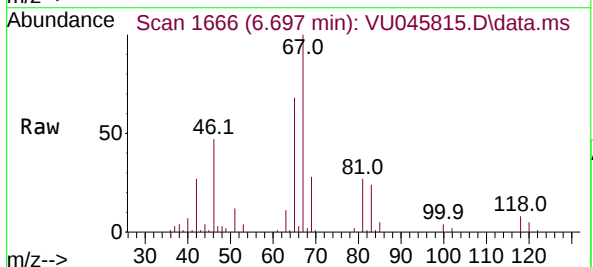
Instrument :
MSVOA_U
ClientSampleId :

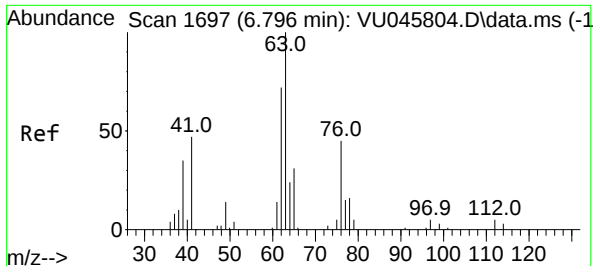
Tgt Ion: 95 Resp: 39208
Ion Ratio Lower Upper
95 100
97 64.8 46.5 86.5
132 93.0 65.1 120.9
130 96.4 67.3 124.9



#35
Methylcyclohexane
Concen: 0.717 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU045815.D
Acq: 16 Nov 2021 18:26

Tgt Ion: 83 Resp: 8257
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.9 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.473 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU045815.D

Acq: 16 Nov 2021 18:26

Instrument :

MSVOA_U

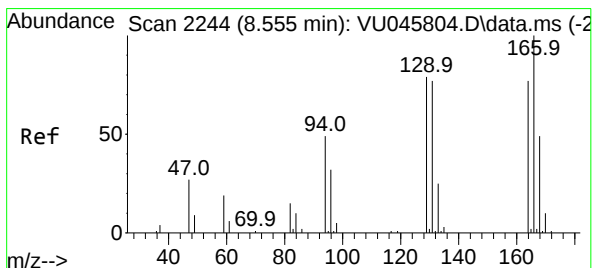
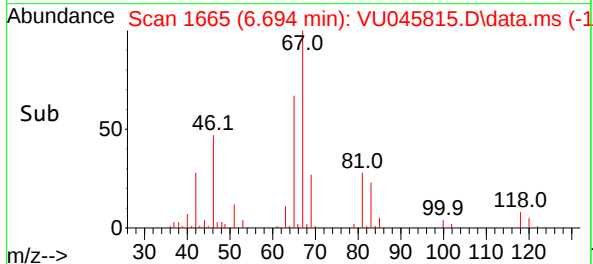
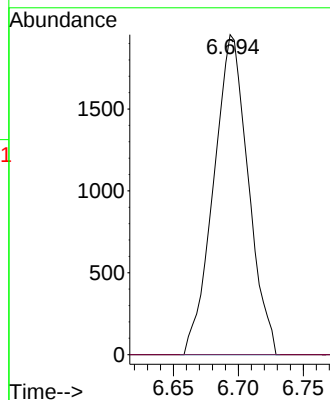
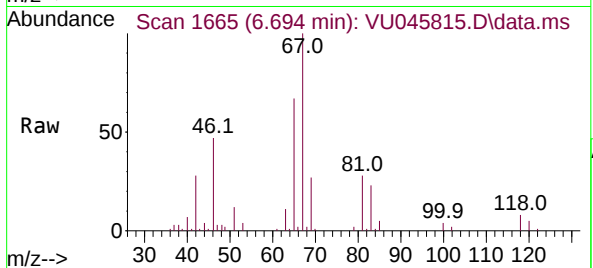
ClientSampleId :

Tgt Ion: 63 Resp: 3623

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#47

Tetrachloroethene

Concen: 2.995 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU045815.D

Acq: 16 Nov 2021 18:26

Tgt Ion: 164 Resp: 15723

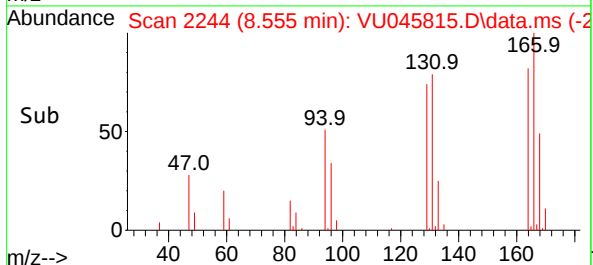
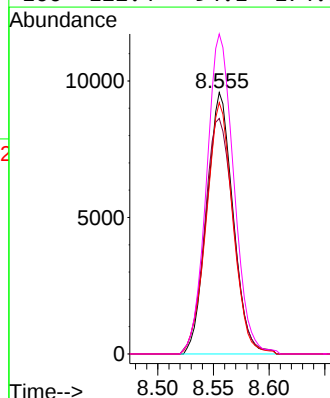
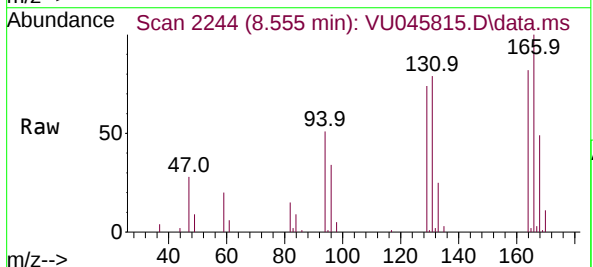
Ion Ratio Lower Upper

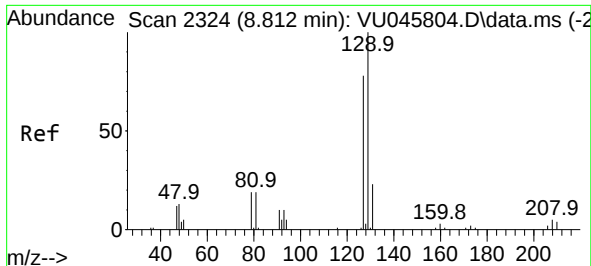
164 100

129 90.1 71.8 133.4

131 96.1 68.5 127.3

166 122.4 94.1 174.8





#49

Dibromochloromethane

Concen: 2.393 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU045815.D

Acq: 16 Nov 2021 18:26

Instrument :

MSVOA_U

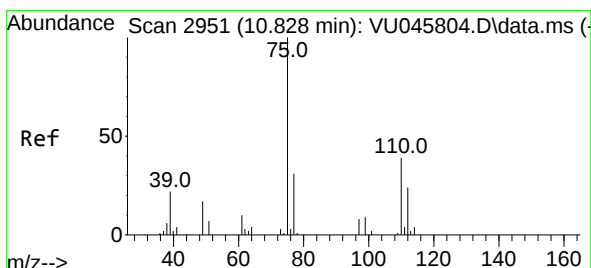
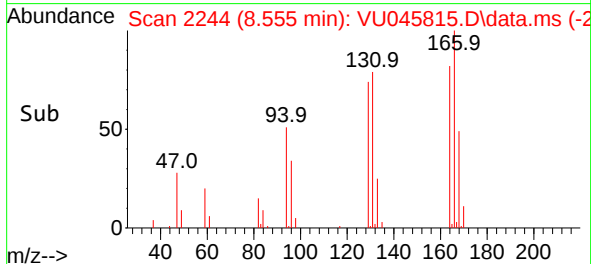
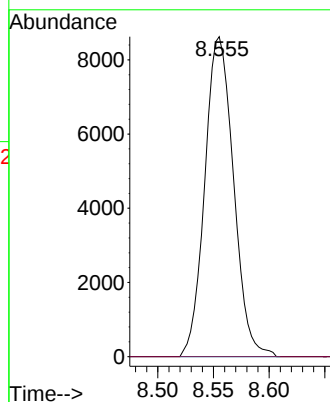
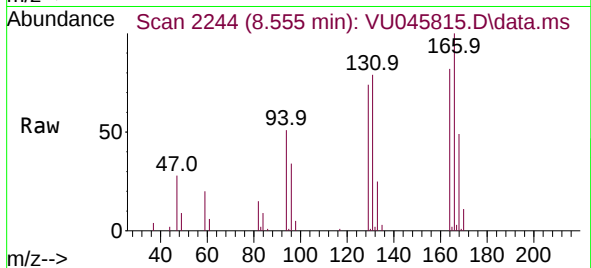
ClientSampleId :

Tgt Ion:129 Resp: 15499

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.247 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.984 min

Lab File: VU045815.D

Acq: 16 Nov 2021 18:26

Tgt Ion: 75 Resp: 6109

Ion Ratio Lower Upper

75 100

110 2.5 29.9 44.9#

77 34.4 25.5 38.3

