

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045816.D
 Acq On : 16 Nov 2021 18:50
 Operator : SY/MD
 Sample : M4686-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:52:46 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	95564	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	98983	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	46343	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	24391	3.221	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.919	69	21326	3.869	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.400%
11) 1,1-Dichloroethene-d2	2.571	65	10802	3.402	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.000%
20) 2-Butanone-d5	4.642	46	101841	50.192	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.380%
24) Chloroform-d	5.067	84	50179	3.978	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
26) 1,2-Dichloroethane-d4	5.706	65	31610	4.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	5.732	84	103409	3.794	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.800%
36) 1,2-Dichloropropane-d6	6.693	67	35833	4.171	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.899	98	87941	3.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.400%
43) trans-1,3-Dichloroprop...	8.182	79	13763	3.946	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.636	63	73388	46.753	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.500%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32188	4.435	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	36600	4.600	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	12067	1.551	ug/L	99
9) Trichlorofluoromethane	2.141	101	1003	0.094	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	1981	0.316	ug/L #	87
12) 1,1-Dichloroethene	2.588	96	13769	2.328	ug/L	96
17) Methyl tert-butyl Ether	3.369	73	6454	0.419	ug/L	97
18) trans-1,2-Dichloroethene	3.356	96	120	0.019	ug/L #	60
19) 1,1-Dichloroethane	3.874	63	27332	2.301	ug/L	95
22) cis-1,2-Dichloroethene	4.671	96	18659	2.714	ug/L	96
25) Chloroform	5.092	83	9864	0.765	ug/L	99
29) 1,1,1-Trichloroethane	5.324	97	1712	0.159	ug/L	98
31) Carbon tetrachloride	5.530	117	2516	0.278	ug/L	89
34) Trichloroethene	6.546	95	551071	77.413	ug/L	98
35) Methylcyclohexane	6.693	83	8378	0.766	ug/L #	17
37) 1,2-Dichloropropane	6.793	63	3627	0.499	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	936	0.091	ug/L #	73
47) Tetrachloroethene	8.555	164	160459	32.199	ug/L	97
49) Dibromochloromethane	8.555	129	157009	25.545	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5956	1.238	ug/L #	67

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 17 04:49:52 2021
Response via : Initial Calibration

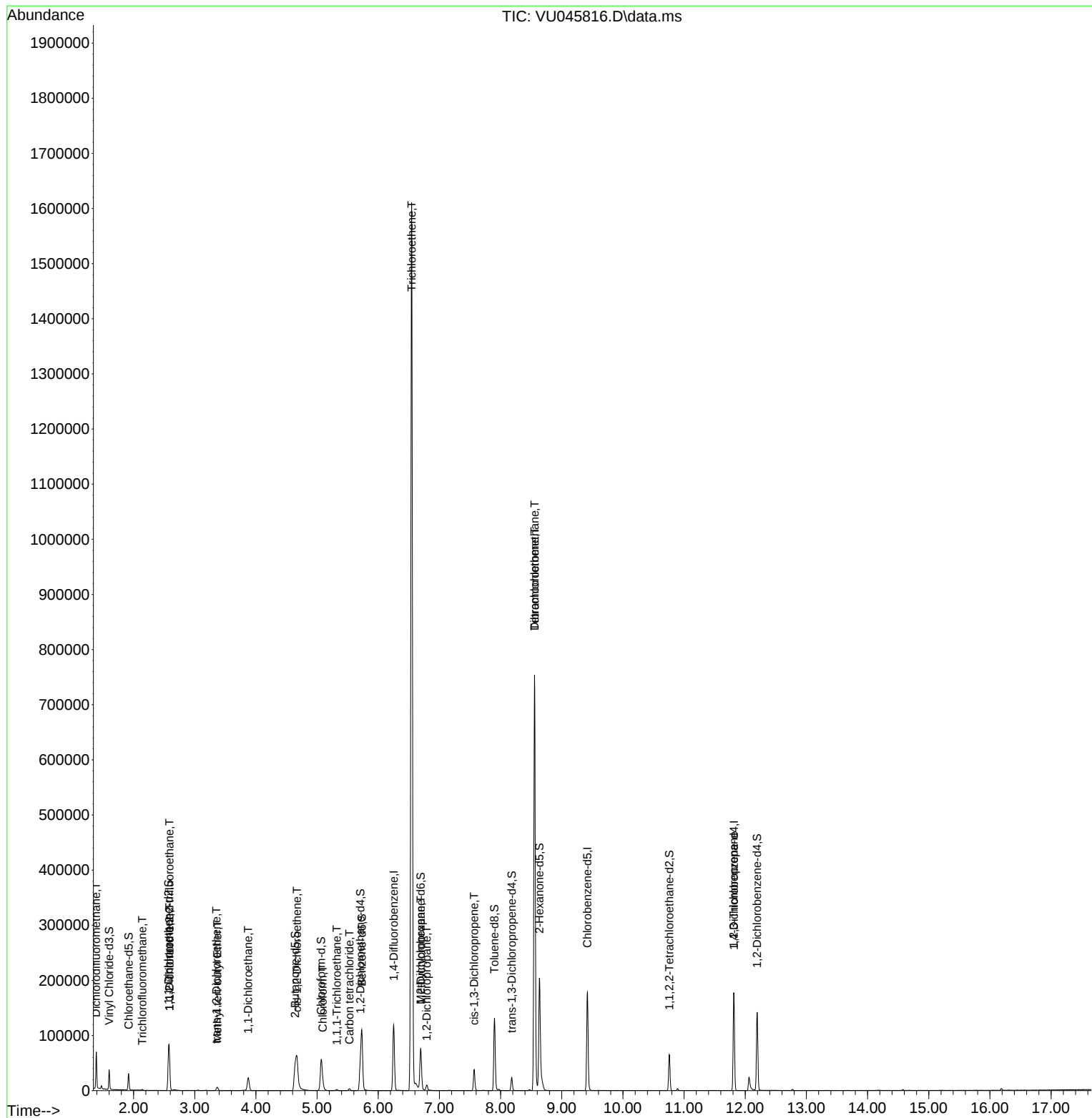
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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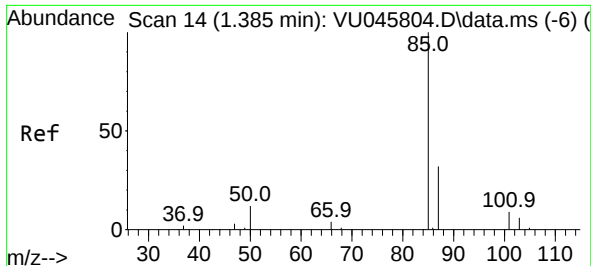
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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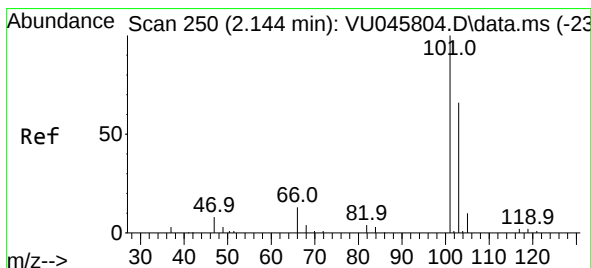
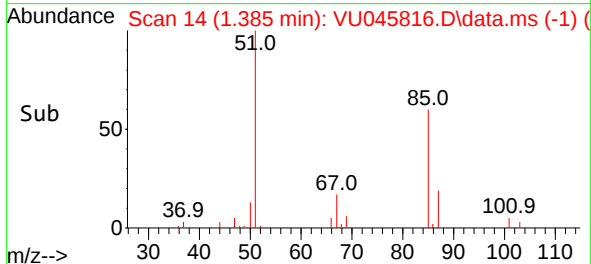
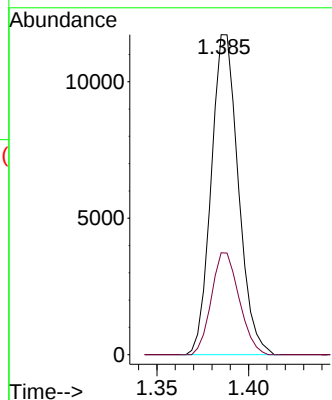
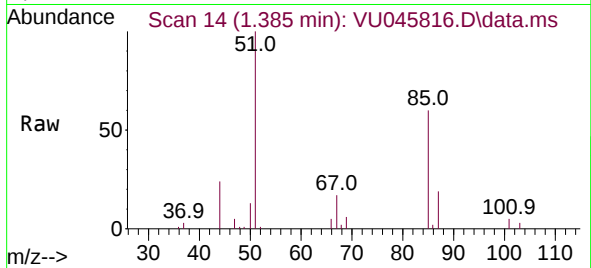




#2
Dichlorodifluoromethane
Concen: 1.551 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

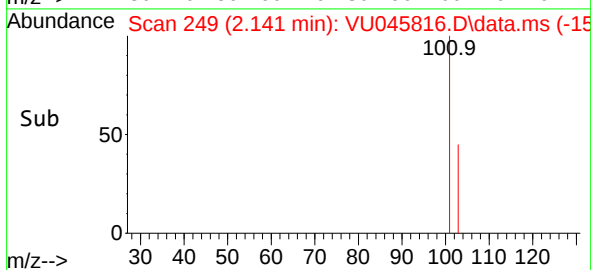
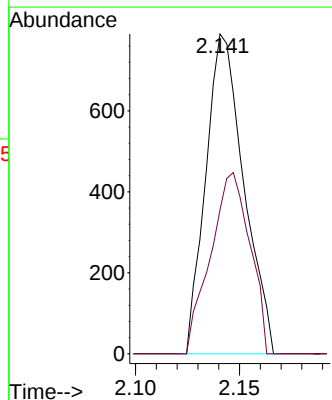
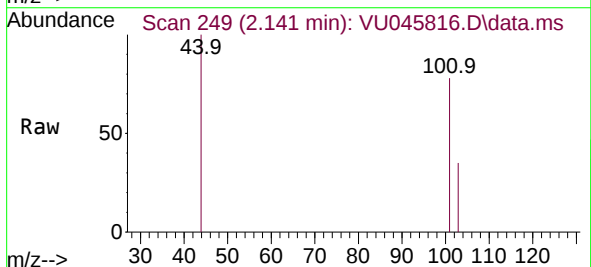
Instrument :
MSVOA_U
ClientSampleId :

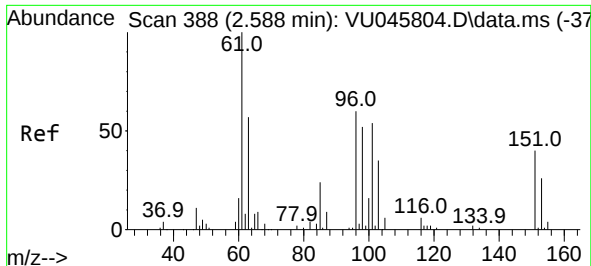
Tgt Ion: 85 Resp: 12067
Ion Ratio Lower Upper
85 100
87 32.6 25.8 38.6



#9
Trichlorofluoromethane
Concen: 0.094 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion:101 Resp: 1003
Ion Ratio Lower Upper
101 100
103 58.8 51.5 77.3





#10

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

Concen: 0.316 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU045816.D

Acq: 16 Nov 2021 18:50

Instrument :

MSVOA_U

ClientSampleId :

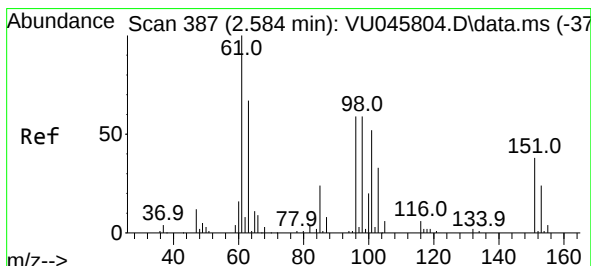
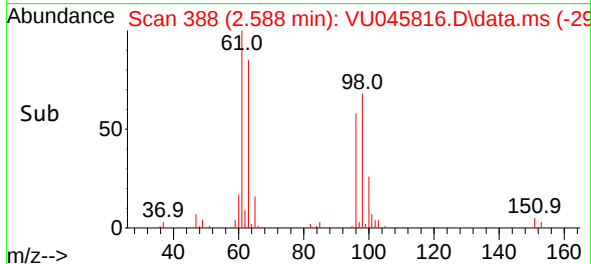
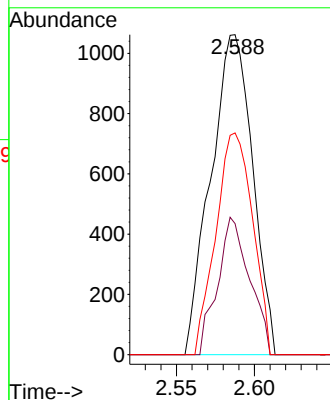
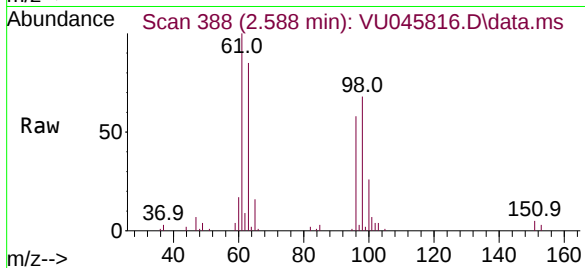
Tgt Ion:101 Resp: 1981

Ion Ratio Lower Upper

101 100

85 32.9 34.6 51.8#

151 60.9 56.1 84.1



#12

1,1-Dichloroethene

Concen: 2.328 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.003 min

Lab File: VU045816.D

Acq: 16 Nov 2021 18:50

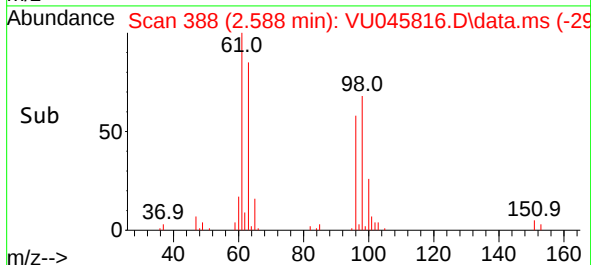
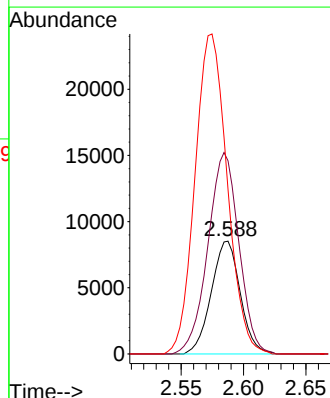
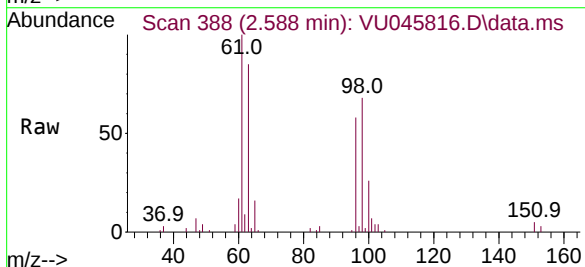
Tgt Ion: 96 Resp: 13769

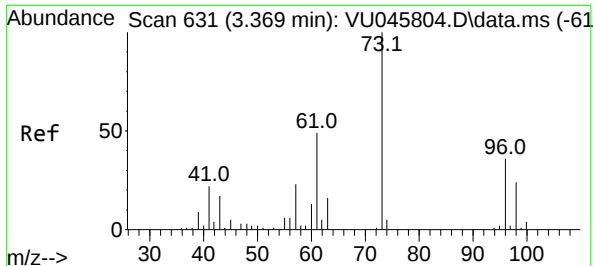
Ion Ratio Lower Upper

96 100

61 171.2 124.7 231.5

63 145.6 105.2 195.4





#17

Methyl tert-butyl Ether

Concen: 0.419 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU045816.D

Acq: 16 Nov 2021 18:50

Instrument :

MSVOA_U

ClientSampleId :

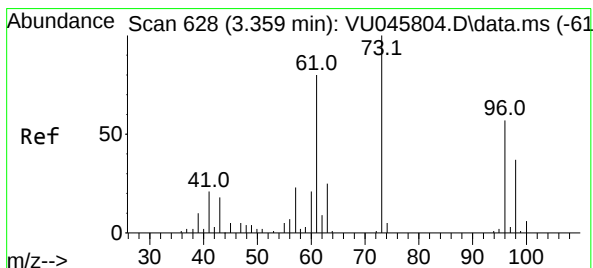
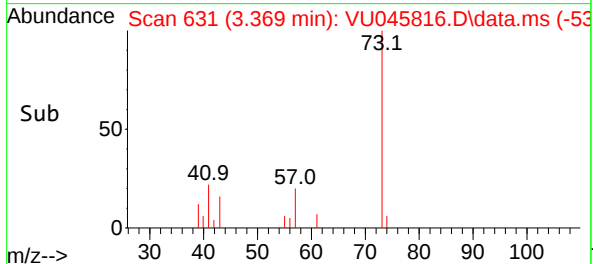
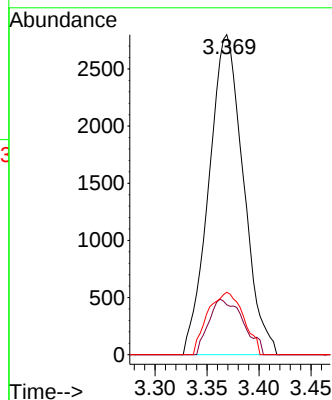
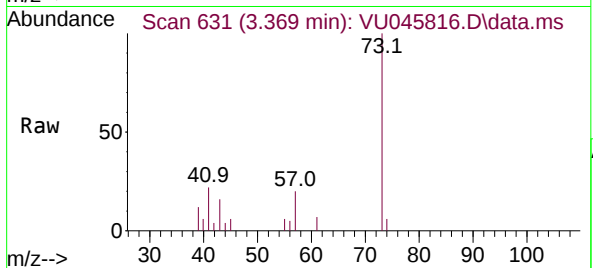
Tgt Ion: 73 Resp: 6454

Ion Ratio Lower Upper

73 100

43 17.3 14.8 22.2

57 20.3 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 0.019 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU045816.D

Acq: 16 Nov 2021 18:50

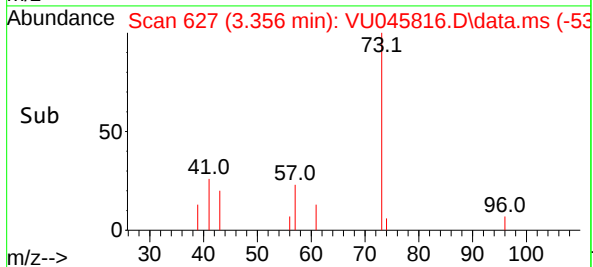
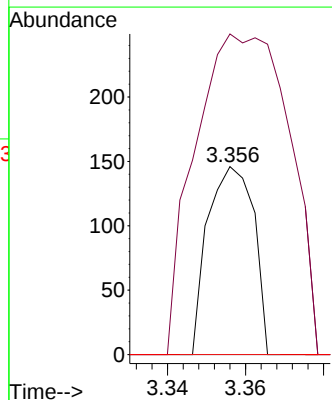
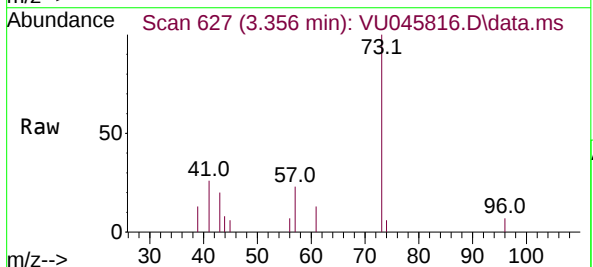
Tgt Ion: 96 Resp: 120

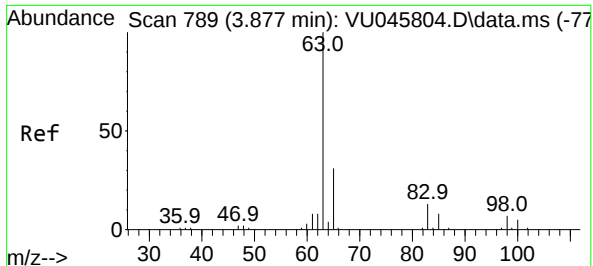
Ion Ratio Lower Upper

96 100

61 170.5 100.8 187.2

98 0.0 45.1 83.7#





#19

1,1-Dichloroethane

Concen: 2.301 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU045816.D

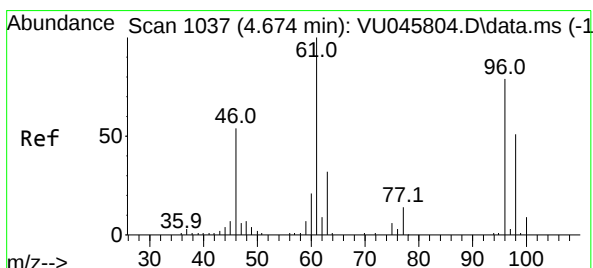
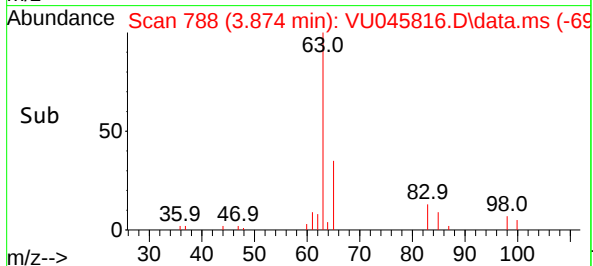
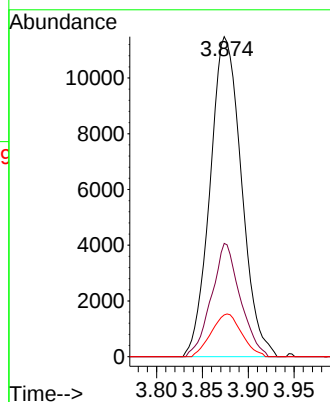
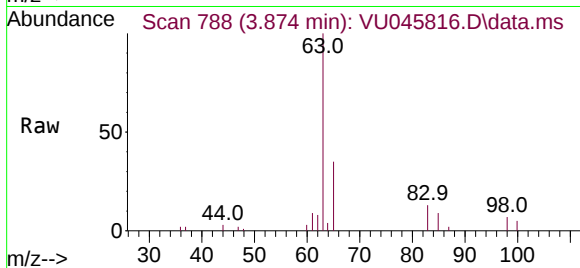
Acq: 16 Nov 2021 18:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	27332
Ion	Ratio	Lower	Upper
63	100		
65	35.4	22.3	41.5
83	13.1	9.6	17.8



#22

cis-1,2-Dichloroethene

Concen: 2.714 ug/L

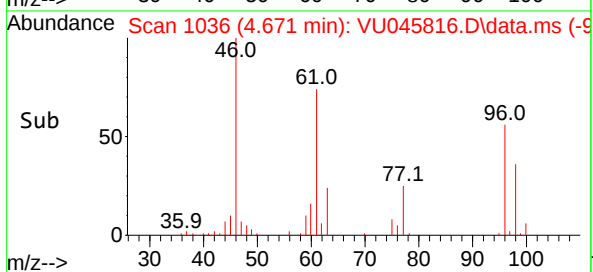
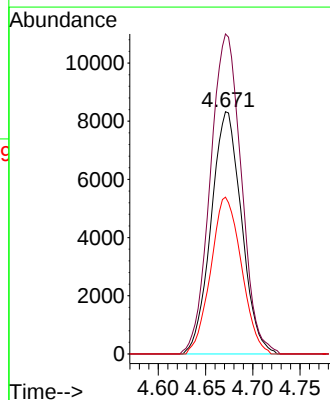
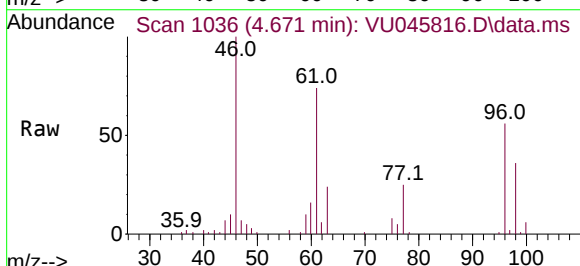
RT: 4.671 min Scan# 1036

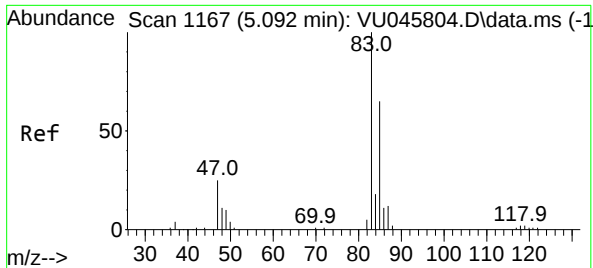
Delta R.T. -0.003 min

Lab File: VU045816.D

Acq: 16 Nov 2021 18:50

Tgt Ion:	96	Resp:	18659
Ion	Ratio	Lower	Upper
96	100		
61	132.1	88.5	164.3
98	64.7	44.4	82.5

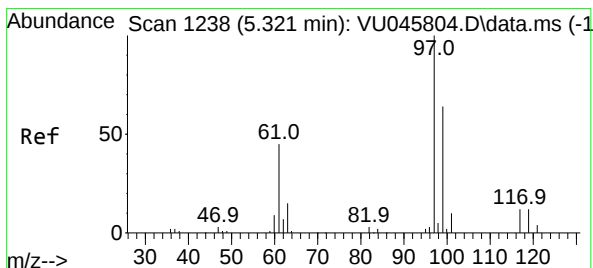
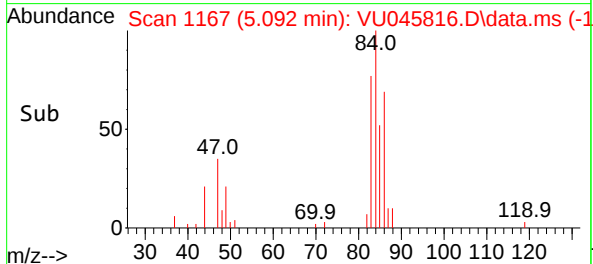
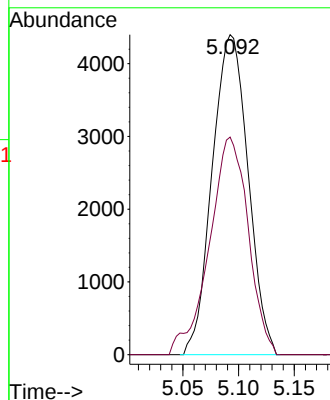
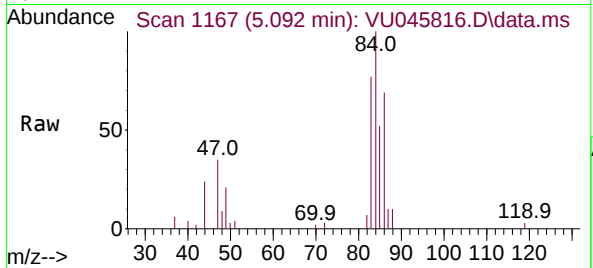




#25
Chloroform
Concen: 0.765 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

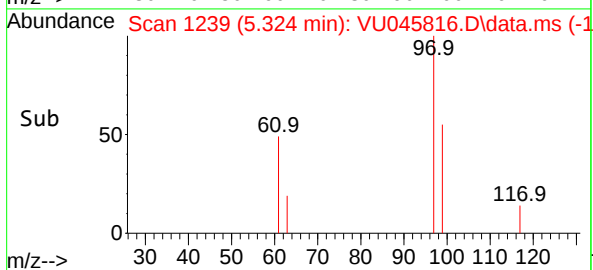
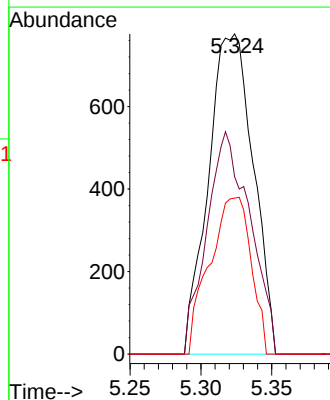
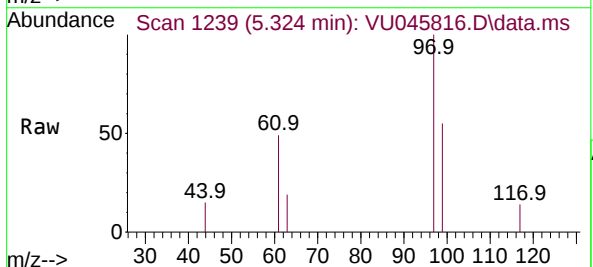
Instrument :
MSVOA_U
ClientSampleId :

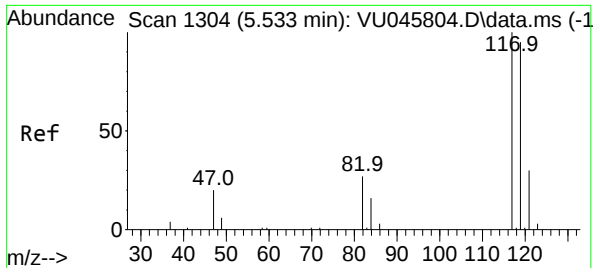
Tgt Ion: 83 Resp: 9864
Ion Ratio Lower Upper
83 100
85 68.0 46.9 87.1



#29
1,1,1-Trichloroethane
Concen: 0.159 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion: 97 Resp: 1712
Ion Ratio Lower Upper
97 100
99 66.9 51.3 76.9
61 45.3 36.1 54.1

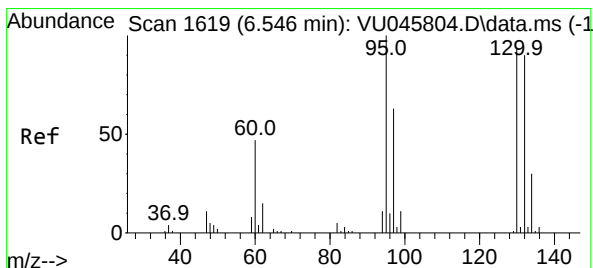
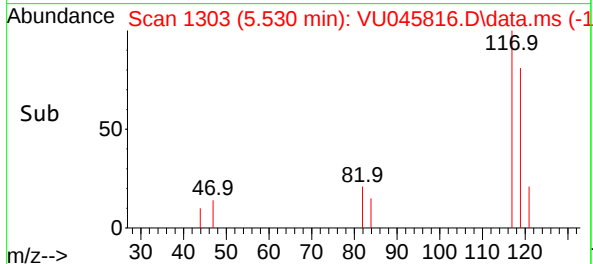
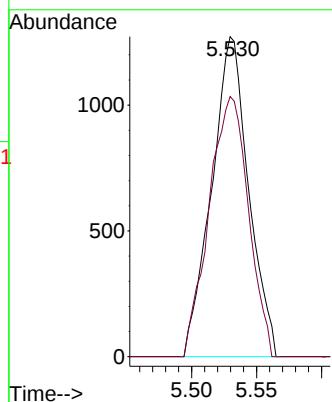
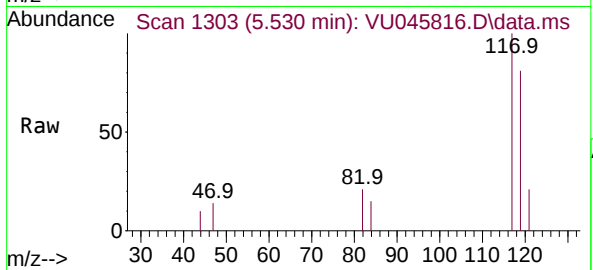




#31
Carbon tetrachloride
Concen: 0.278 ug/L
RT: 5.530 min Scan# 1117
Delta R.T. -0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

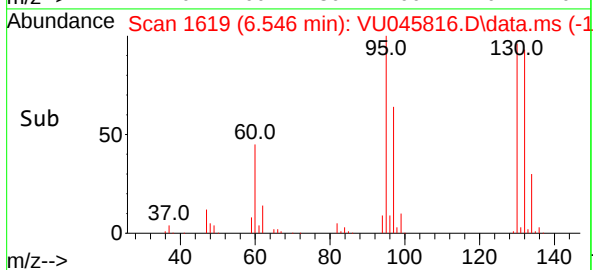
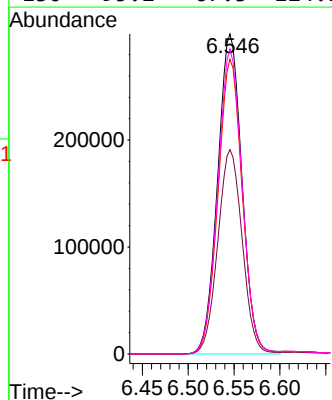
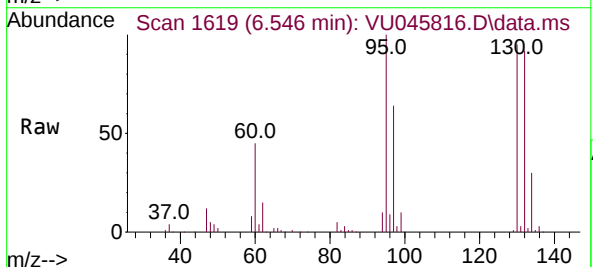
Instrument :
MSVOA_U
ClientSampleId :

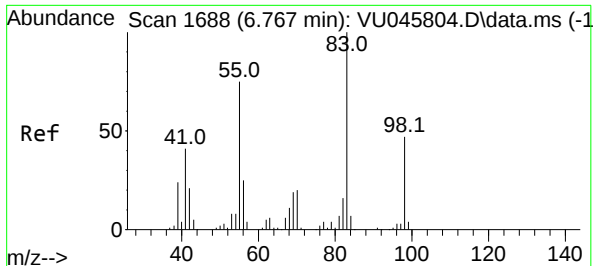
Tgt Ion:117 Resp: 2516
Ion Ratio Lower Upper
117 100
119 86.5 77.5 116.3



#34
Trichloroethene
Concen: 77.413 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion: 95 Resp: 551071
Ion Ratio Lower Upper
95 100
97 63.9 46.5 86.5
132 92.1 65.1 120.9
130 95.2 67.3 124.9

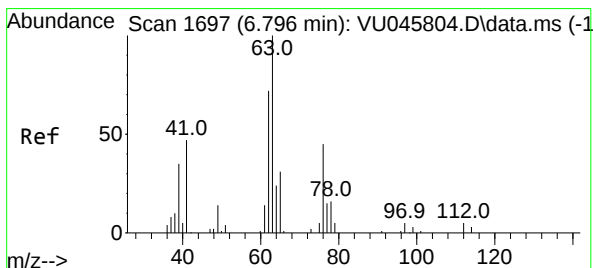
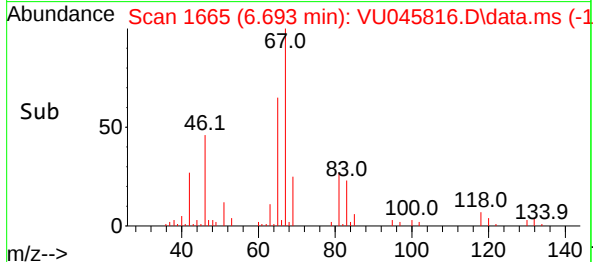
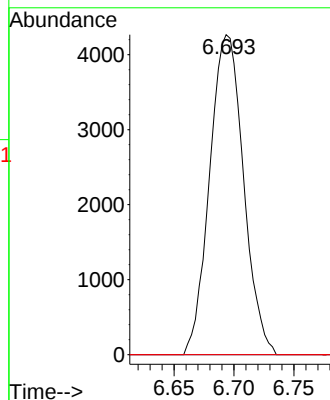
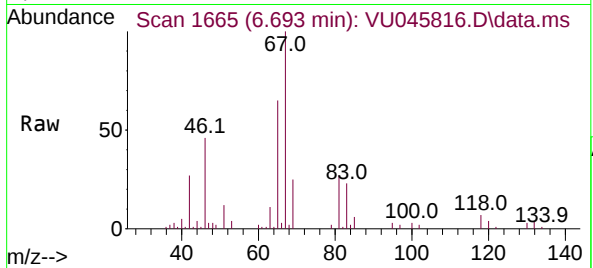




#35
Methylcyclohexane
Concen: 0.766 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

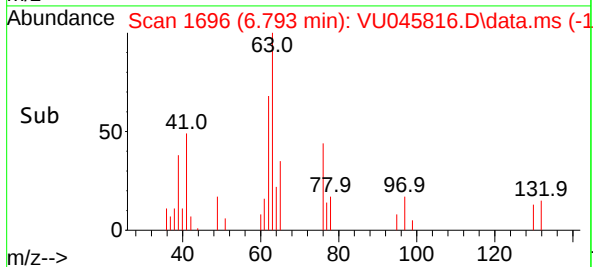
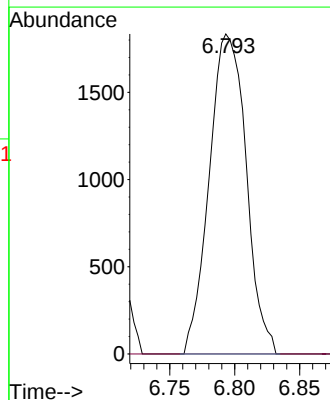
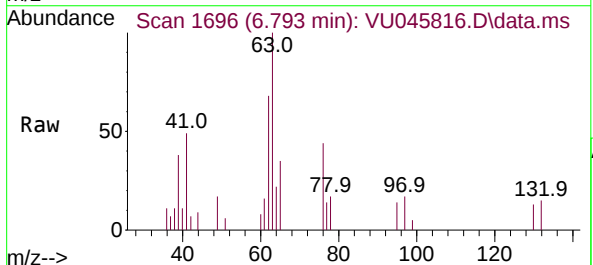
Instrument :
MSVOA_U
ClientSampleId :

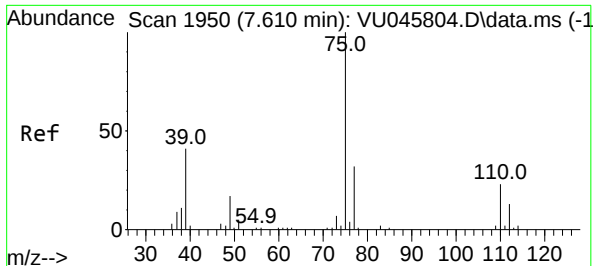
Tgt Ion: 83 Resp: 8378
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.499 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. -0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion: 63 Resp: 3627
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.568 min Scan# 19

Delta R.T. -0.042 min

Lab File: VU045816.D

Acq: 16 Nov 2021 18:50

Instrument :

MSVOA_U

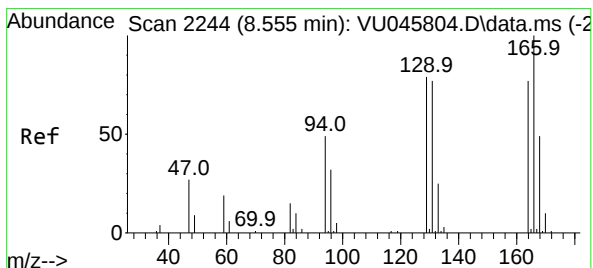
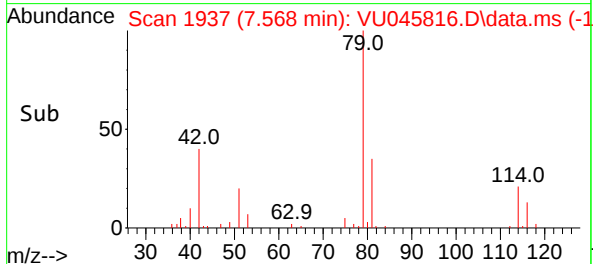
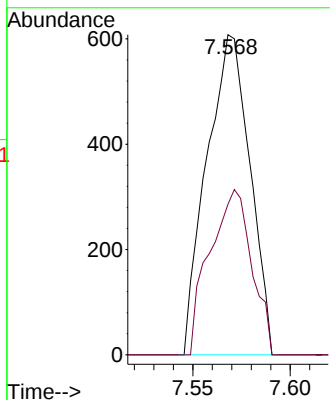
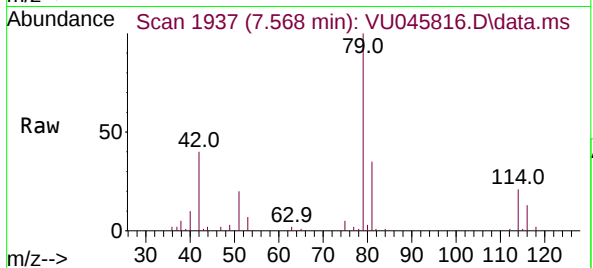
ClientSampleId :

Tgt Ion: 75 Resp: 936

Ion Ratio Lower Upper

75 100

77 47.0 22.5 41.9#



#47

Tetrachloroethene

Concen: 32.199 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU045816.D

Acq: 16 Nov 2021 18:50

Tgt Ion: 164 Resp: 160459

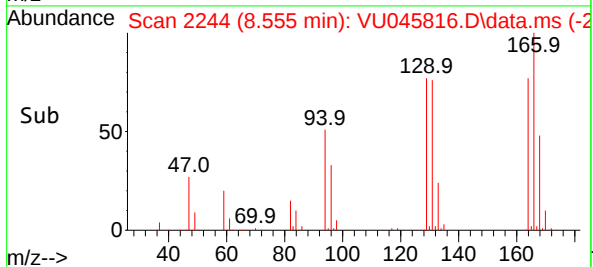
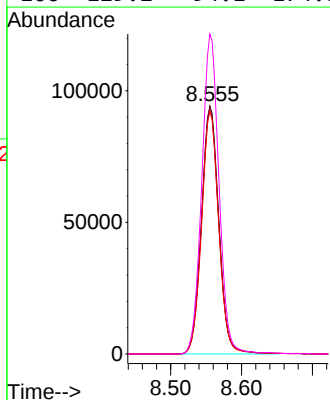
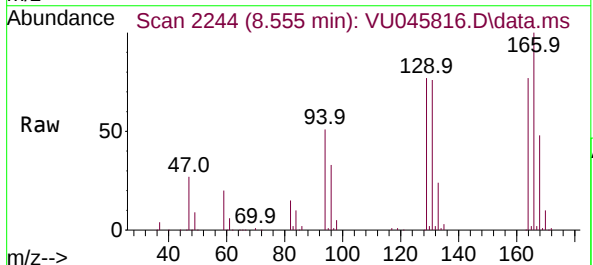
Ion Ratio Lower Upper

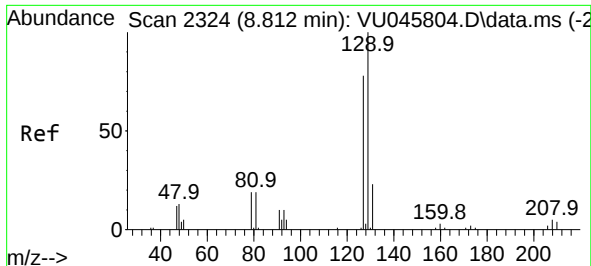
164 100

129 99.8 71.8 133.4

131 98.0 68.5 127.3

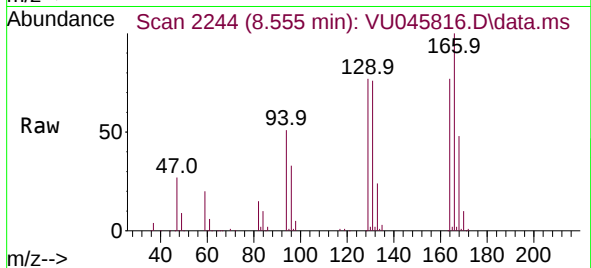
166 129.2 94.1 174.8



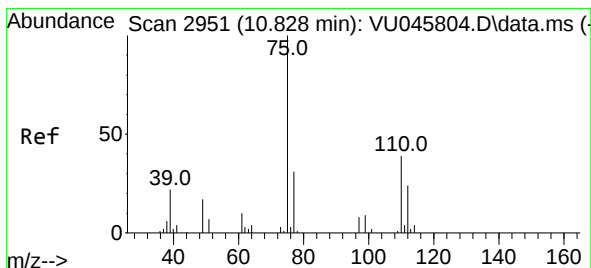
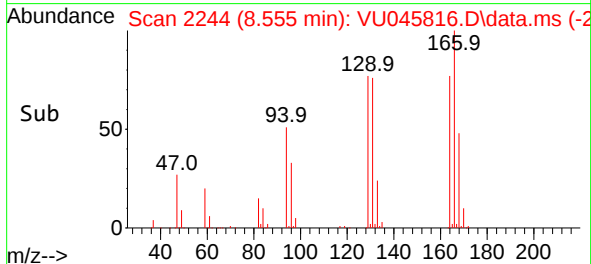
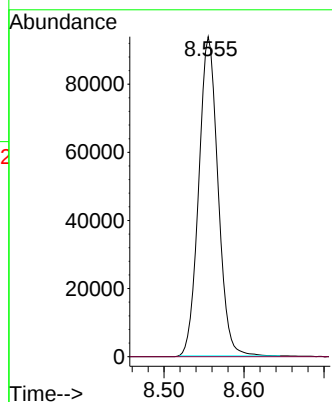


#49
Dibromochloromethane
Concen: 25.545 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:129 Resp: 157009
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.238 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.984 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion: 75 Resp: 5956
Ion Ratio Lower Upper
75 100
110 1.5 29.9 44.9#
77 32.8 25.5 38.3

