

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012622\
 Data File : VU046846.D
 Acq On : 26 Jan 2022 15:25
 Operator : SY/MD
 Sample : N1260-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXX8

Quant Time: Jan 27 00:14:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 27 00:12:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	114947	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	120276	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	65841	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	37212	3.820	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.400%
7) Chloroethane-d5	1.919	69	33232	4.330	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%
11) 1,1-Dichloroethene-d2	2.575	65	15477	3.995	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.800%
20) 2-Butanone-d5	4.645	46	104679	36.277	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.560%
24) Chloroform-d	5.067	84	71257	4.167	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
26) 1,2-Dichloroethane-d4	5.706	65	39445	4.236	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	5.732	84	141554	4.004	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.000%
36) 1,2-Dichloropropane-d6	6.694	67	43868	4.133	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.600%
41) Toluene-d8	7.899	98	119613	3.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
43) trans-1,3-Dichloroprop...	8.182	79	16876	3.621	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.400%
46) 2-Hexanone-d5	8.636	63	104439	37.841	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	39992	3.753	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	46933	3.801	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.000%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.494	50	1187	0.133	ug/L #	72
5) Vinyl chloride	1.607	62	764	0.082	ug/L #	1
8) Chloroethane	1.935	64	681	0.128	ug/L #	43
9) Trichlorofluoromethane	2.150	101	642	0.057	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	2054	0.306	ug/L #	71
12) 1,1-Dichloroethene	2.588	96	70260	10.947	ug/L #	69
15) Methyl Acetate	2.967	43	4778	1.394	ug/L #	51
17) Methyl tert-butyl Ether	3.372	73	18061	1.003	ug/L #	31
18) trans-1,2-Dichloroethene	3.366	96	708	0.102	ug/L	79
19) 1,1-Dichloroethane	3.877	63	116014	9.941	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	147294	20.085	ug/L	100
25) Chloroform	5.092	83	12423	0.671	ug/L	100
27) 1,2-Dichloroethane	5.796	62	2507	0.307	ug/L #	94
29) 1,1,1-Trichloroethane	5.321	97	21524	1.987	ug/L	98
31) Carbon tetrachloride	5.321	117	2604	0.280	ug/L	98
33) Benzene	5.780	78	9194	0.325	ug/L	100
34) Trichloroethene	6.546	95	385082	52.376	ug/L	98
35) Methylcyclohexane	6.694	83	10915	0.886	ug/L #	18
37) 1,2-Dichloropropane	6.694	63	5119	0.737	ug/L #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012622\
 Data File : VU046846.D
 Acq On : 26 Jan 2022 15:25
 Operator : SY/MD
 Sample : N1260-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXX8

Quant Time: Jan 27 00:14:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 27 00:12:19 2022
 Response via : Initial Calibration

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

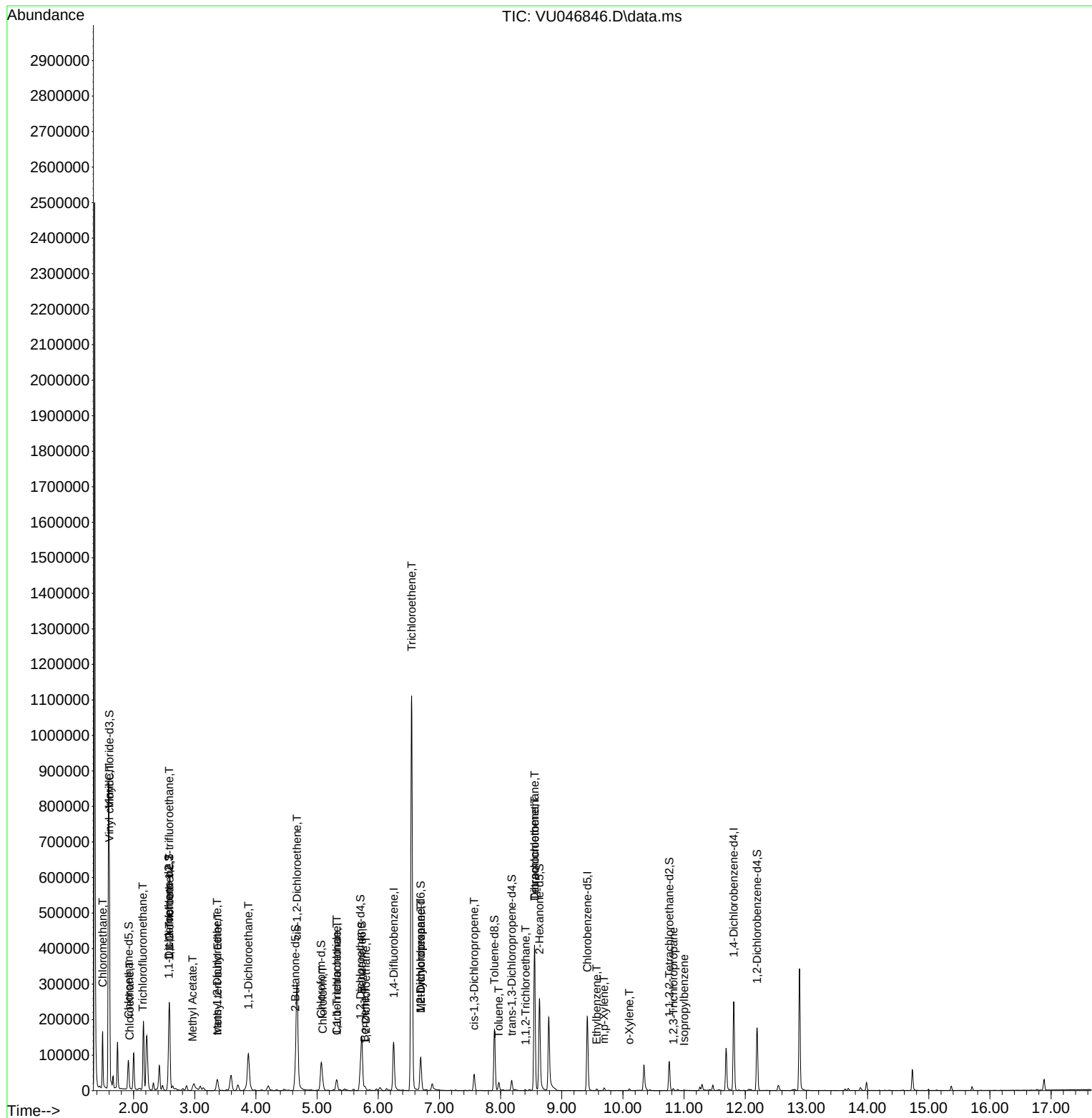
39) cis-1,3-Dichloropropene	7.568	75	1164	0.107	ug/L #	54
42) Toluene	7.970	91	16274	0.481	ug/L	95
45) 1,1,2-Trichloroethane	8.407	97	979	0.166	ug/L	88
47) Tetrachloroethene	8.555	164	89974	15.047	ug/L	96
49) Dibromochloromethane	8.555	129	87581	12.563	ug/L #	10
52) Ethylbenzene	9.571	91	3633	0.113	ug/L	99
53) m,p-Xylene	9.693	106	2501	0.195	ug/L	100
54) o-Xylene	10.105	106	1244	0.100	ug/L	96
60) Isopropylbenzene	10.999	105	2192	0.071	ug/L #	78
61) 1,2,3-Trichloropropane	10.825	75	2731	0.490	ug/L	97

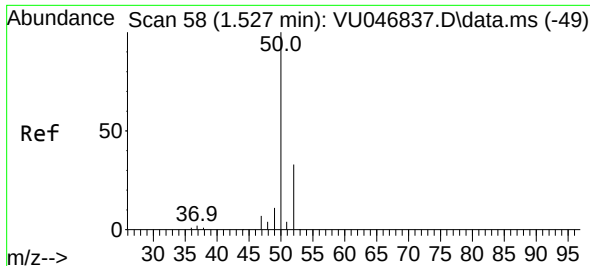
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012622\
Data File : VU046846.D
Acq On : 26 Jan 2022 15:25
Operator : SY/MD
Sample : N1260-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFX8

Quant Time: Jan 27 00:14:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 27 00:12:19 2022
Response via : Initial Calibration

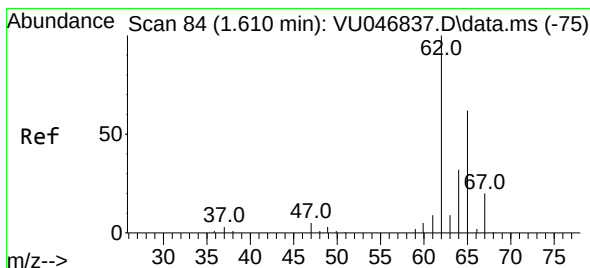
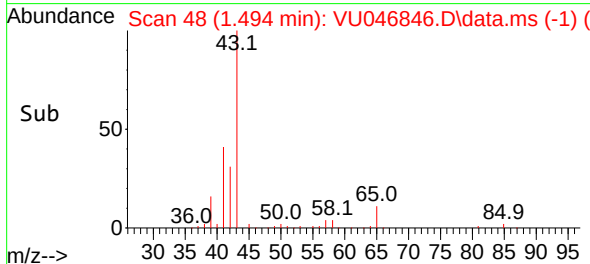
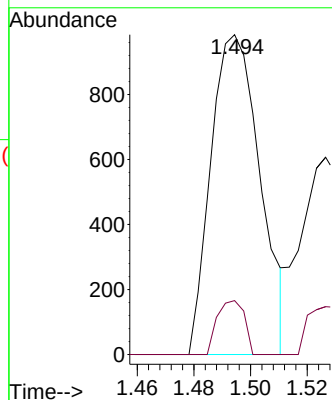
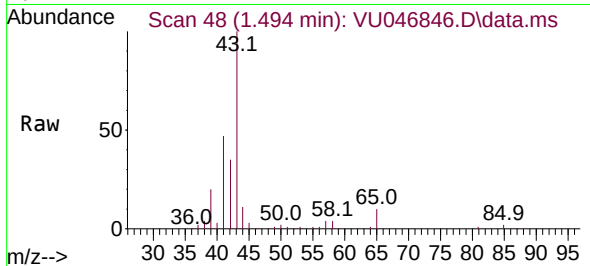




#3
Chloromethane
Concen: 0.133 ug/L
RT: 1.494 min Scan# 41
Delta R.T. -0.032 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

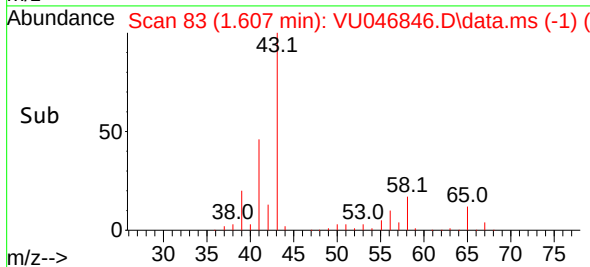
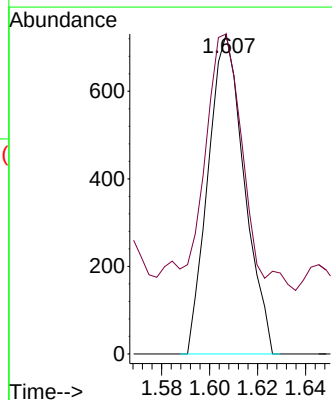
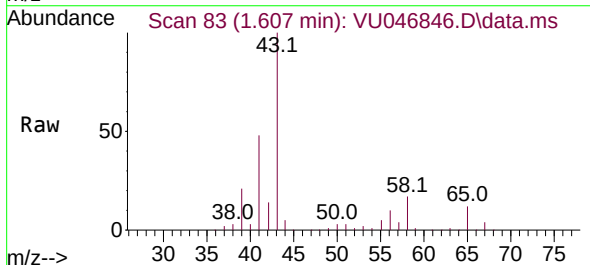
Instrument :
MSVOA_U
ClientSampleId :
BFX8

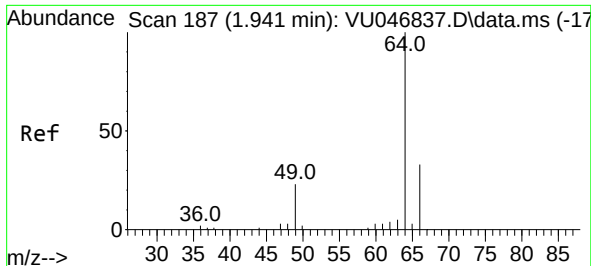
Tgt Ion: 50 Resp: 1187
Ion Ratio Lower Upper
50 100
52 16.9 23.0 42.8#



#5
Vinyl chloride
Concen: 0.082 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.003 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

Tgt Ion: 62 Resp: 764
Ion Ratio Lower Upper
62 100
64 100.1 22.9 42.5#

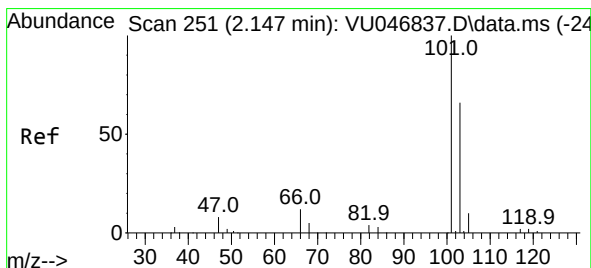
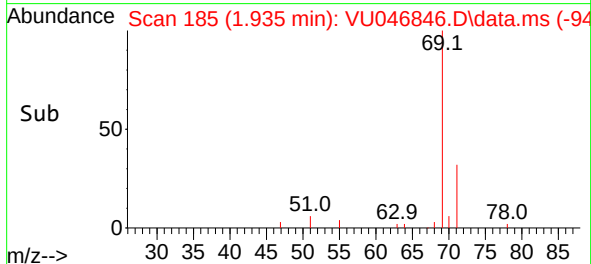
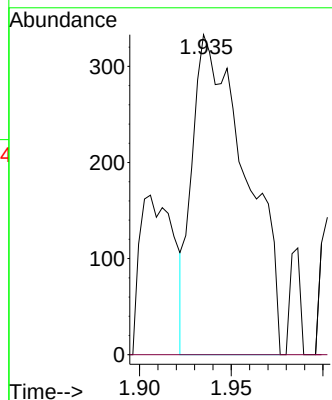
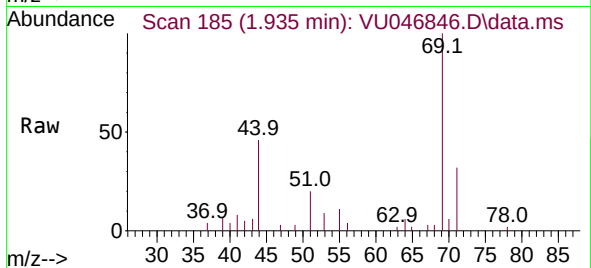




#8
Chloroethane
Concen: 0.128 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

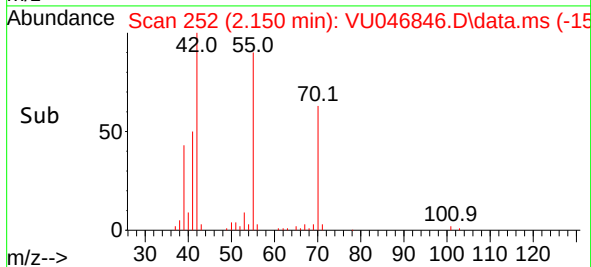
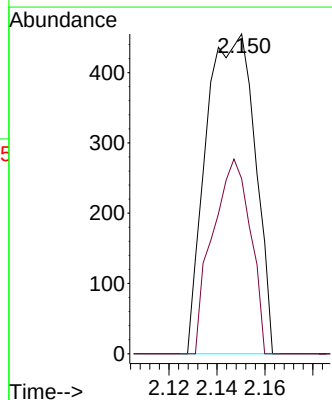
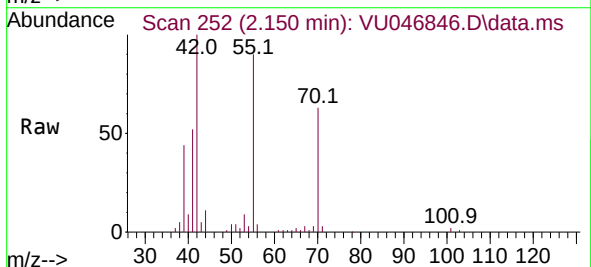
Instrument :
MSVOA_U
ClientSampleId :
BFX8

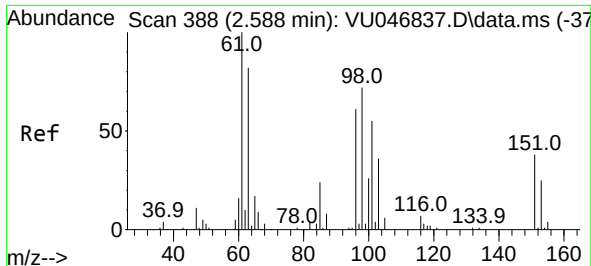
Tgt Ion: 64 Resp: 681
Ion Ratio Lower Upper
64 100
66 0.0 22.1 41.1#



#9
Trichlorofluoromethane
Concen: 0.057 ug/L
RT: 2.150 min Scan# 252
Delta R.T. 0.003 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

Tgt Ion:101 Resp: 642
Ion Ratio Lower Upper
101 100
103 47.2 51.5 77.3#

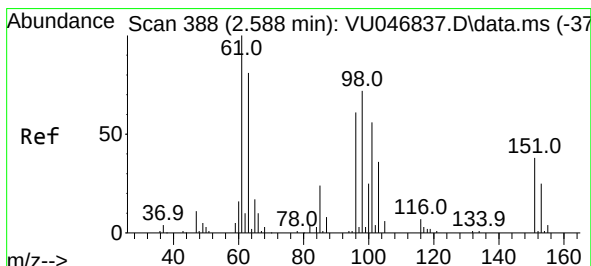
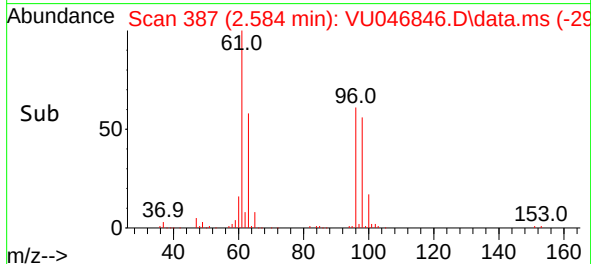
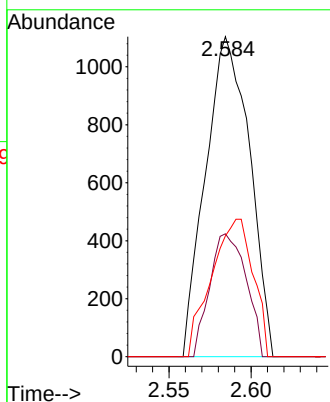
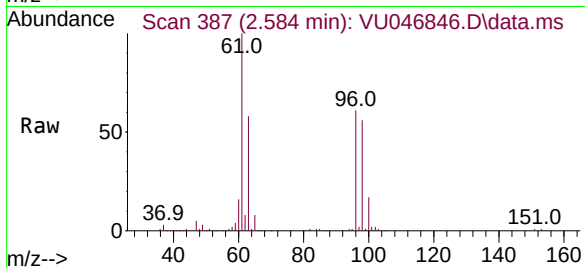




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.306 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046846.D
 Acq: 26 Jan 2022 15:25

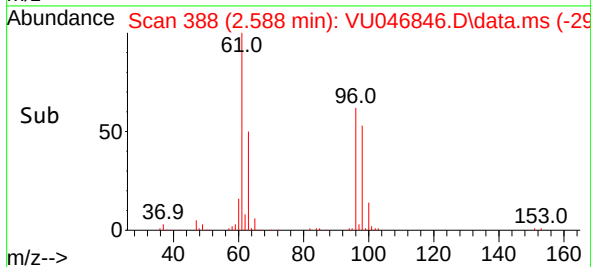
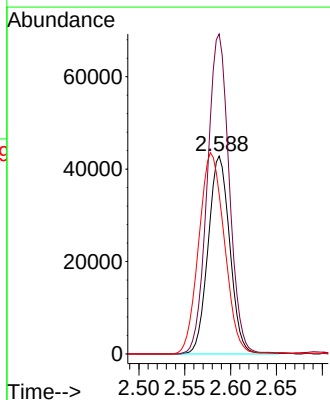
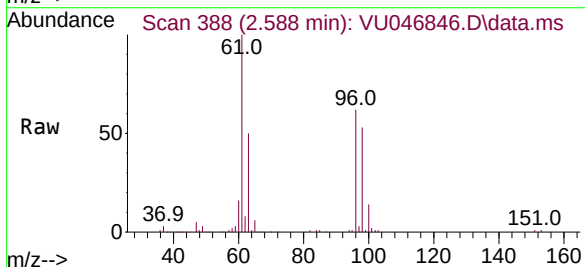
Instrument :
 MSVOA_U
 ClientSampleId :
 BFX8

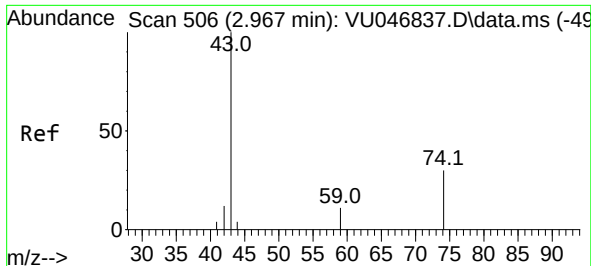
Tgt Ion:101 Resp: 2054
 Ion Ratio Lower Upper
 101 100
 85 31.9 34.6 51.8#
 151 40.8 56.1 84.1#



#12
 1,1-Dichloroethene
 Concen: 10.947 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046846.D
 Acq: 26 Jan 2022 15:25

Tgt Ion: 96 Resp: 70260
 Ion Ratio Lower Upper
 96 100
 61 161.7 124.7 231.5
 63 80.7 105.2 195.4#

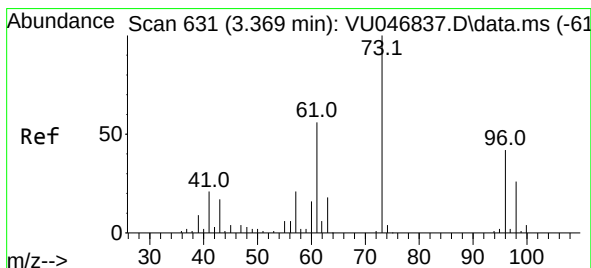
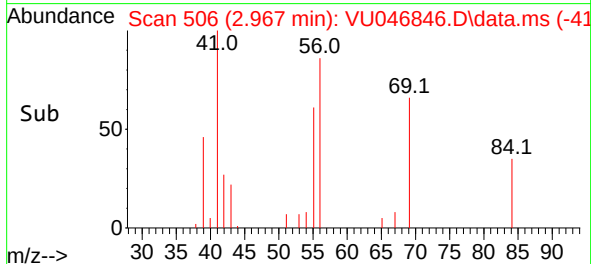
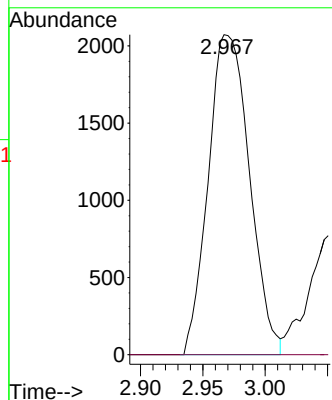
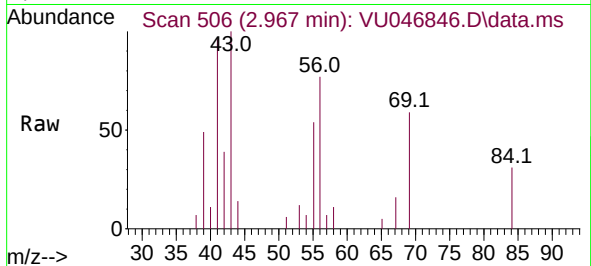




#15
Methyl Acetate
Concen: 1.394 ug/L
RT: 2.967 min Scan# 506
Delta R.T. -0.000 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

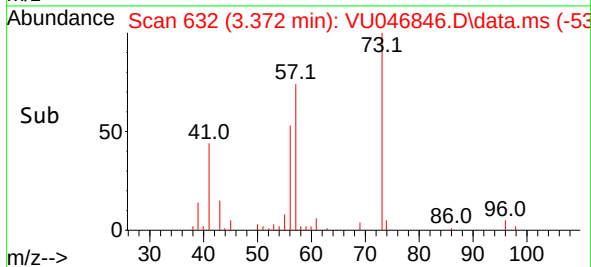
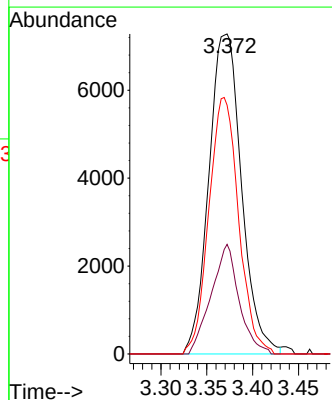
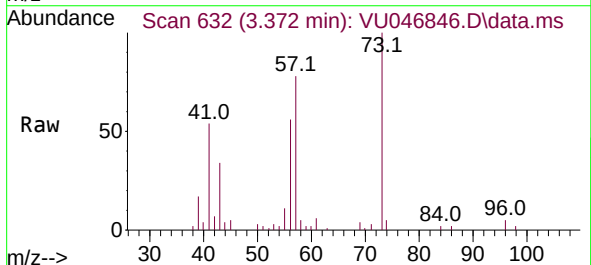
Instrument :
MSVOA_U
ClientSampleId :
BFX8

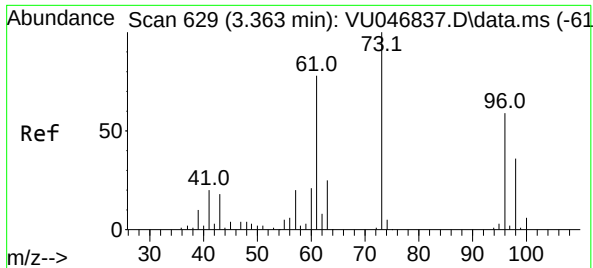
Tgt Ion: 43 Resp: 4778
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#17
Methyl tert-butyl Ether
Concen: 1.003 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.003 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

Tgt Ion: 73 Resp: 18061
Ion Ratio Lower Upper
73 100
43 29.3 14.8 22.2#
57 72.8 17.4 26.0#

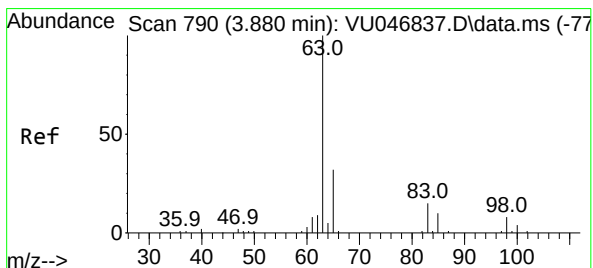
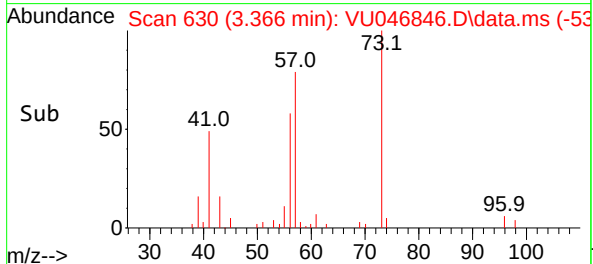
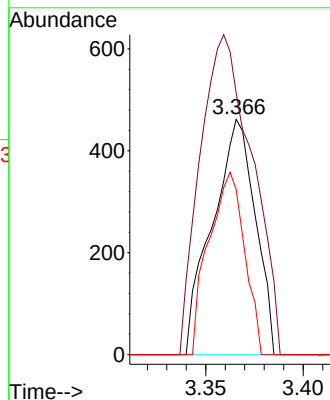
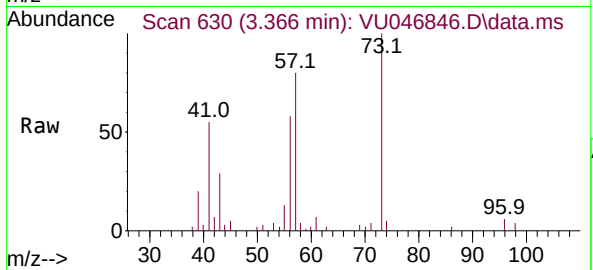




#18
trans-1,2-Dichloroethene
Concen: 0.102 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

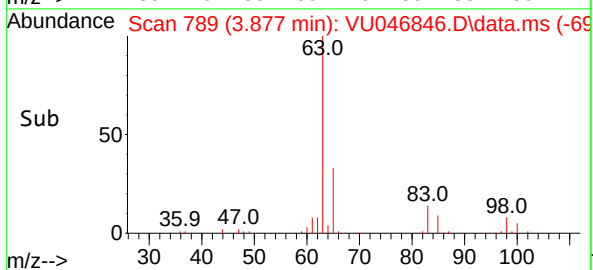
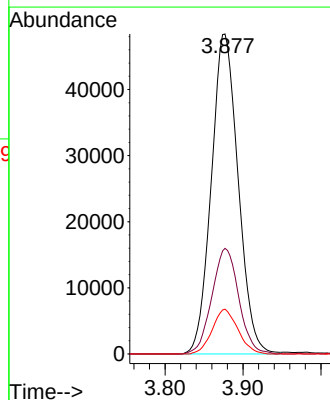
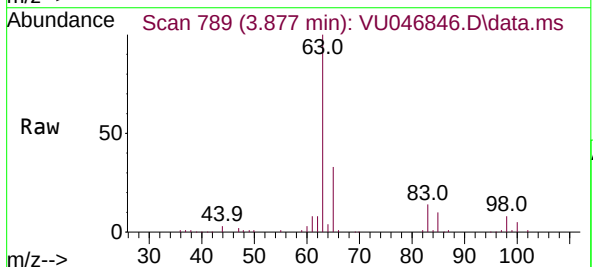
Instrument :
MSVOA_U
ClientSampleId :
BFX8

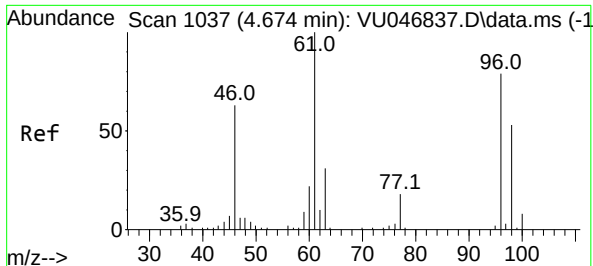
Tgt Ion: 96 Resp: 708
Ion Ratio Lower Upper
96 100
61 111.0 100.8 187.2
98 70.1 45.1 83.7



#19
1,1-Dichloroethane
Concen: 9.941 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.003 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

Tgt Ion: 63 Resp: 116014
Ion Ratio Lower Upper
63 100
65 33.0 22.3 41.5
83 14.0 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 20.085 ug/L

RT: 4.671 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VU046846.D

Acq: 26 Jan 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

BFX8

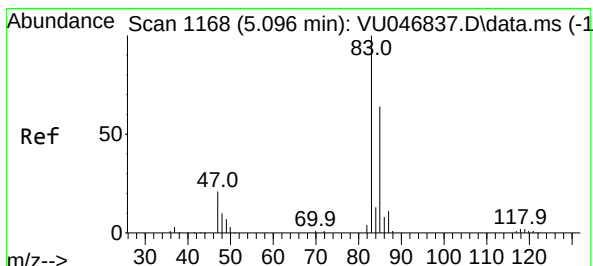
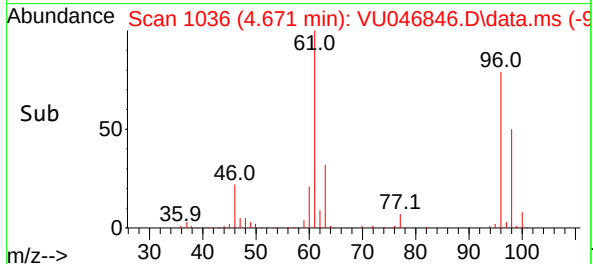
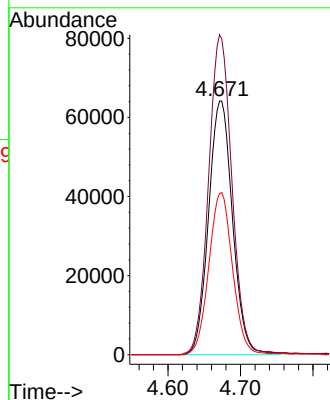
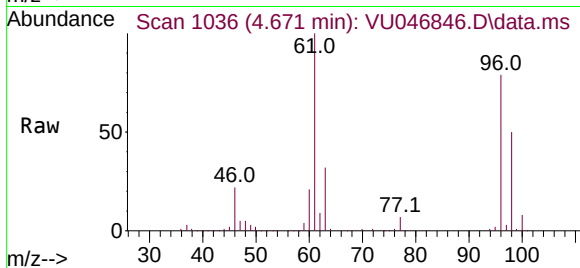
Tgt Ion: 96 Resp: 147294

Ion Ratio Lower Upper

96 100

61 126.1 88.5 164.3

98 63.6 44.4 82.5



#25

Chloroform

Concen: 0.671 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046846.D

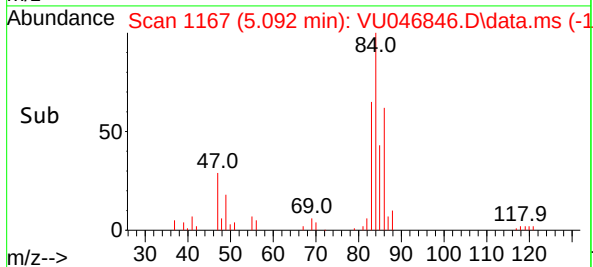
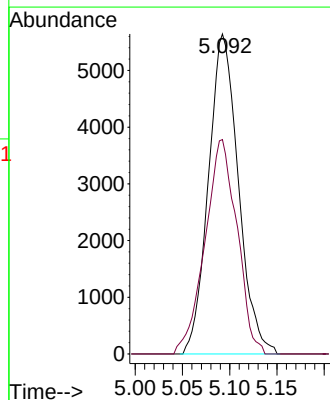
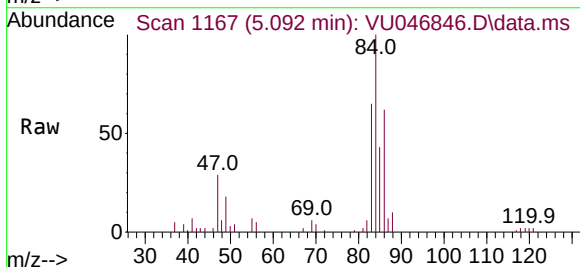
Acq: 26 Jan 2022 15:25

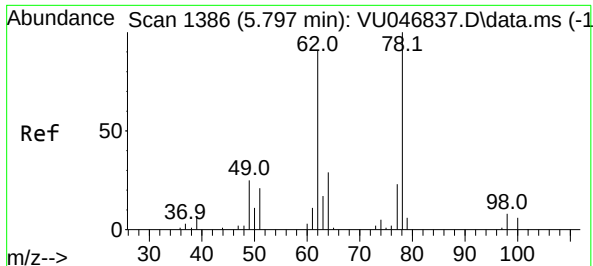
Tgt Ion: 83 Resp: 12423

Ion Ratio Lower Upper

83 100

85 67.0 46.9 87.1





#27

1,2-Dichloroethane

Concen: 0.307 ug/L

RT: 5.796 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU046846.D

Acq: 26 Jan 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

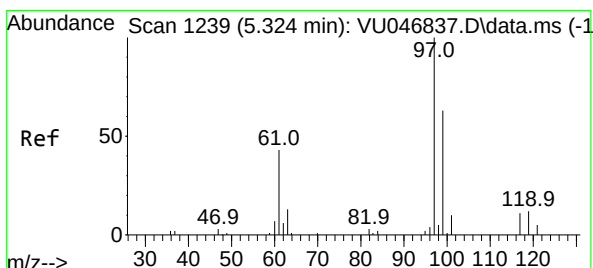
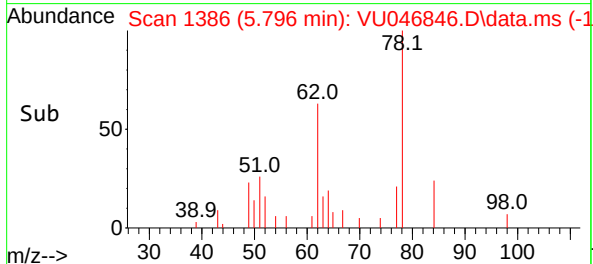
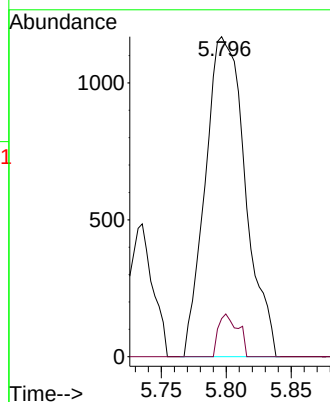
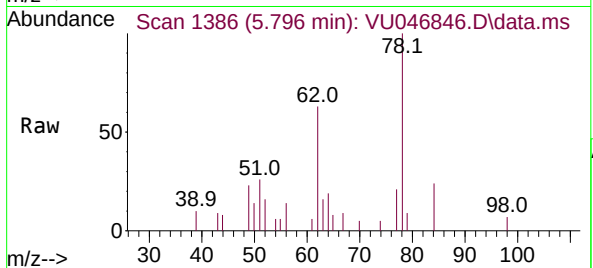
BFX8

Tgt Ion: 62 Resp: 2507

Ion Ratio Lower Upper

62 100

98 11.9 7.8 11.8#



#29

1,1,1-Trichloroethane

Concen: 1.987 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU046846.D

Acq: 26 Jan 2022 15:25

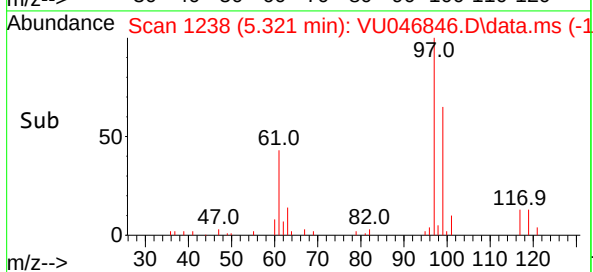
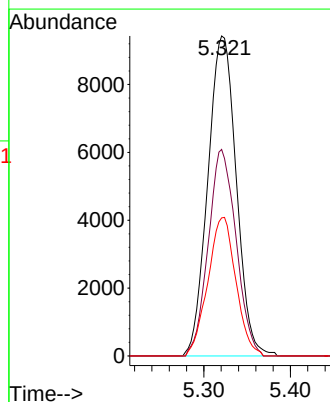
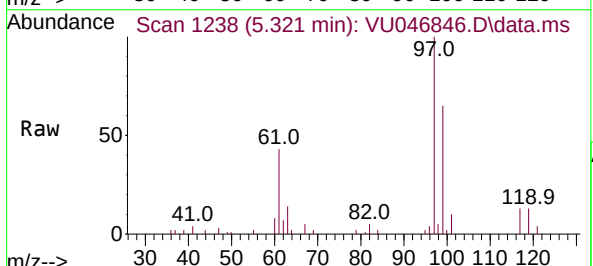
Tgt Ion: 97 Resp: 21524

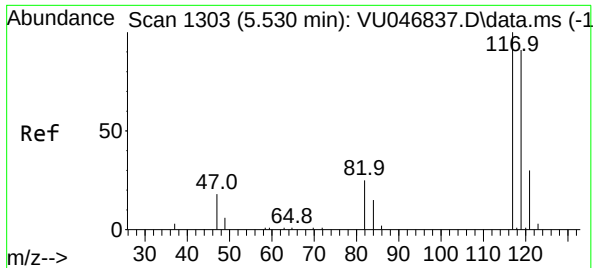
Ion Ratio Lower Upper

97 100

99 63.0 51.3 76.9

61 42.7 36.1 54.1

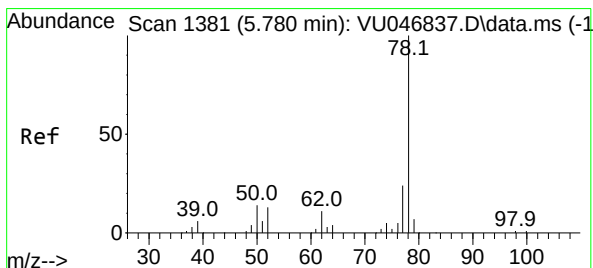
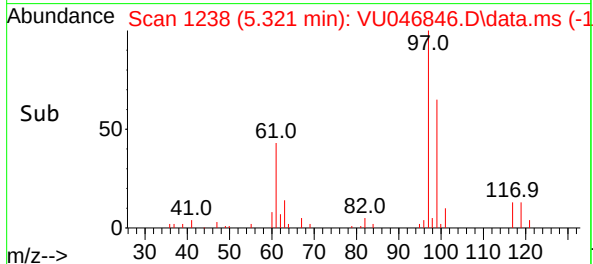
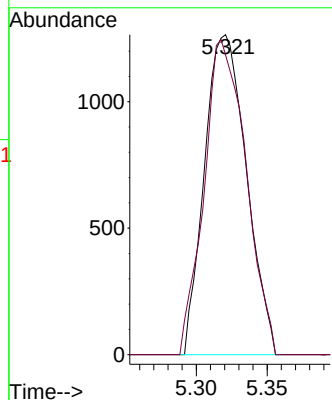
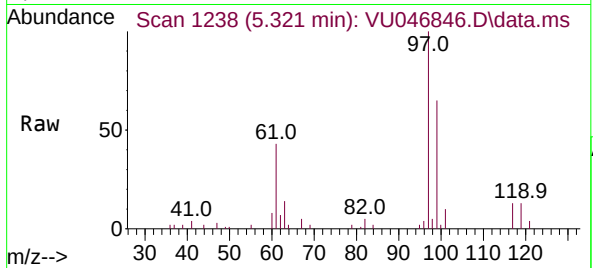




#31
Carbon tetrachloride
Concen: 0.280 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

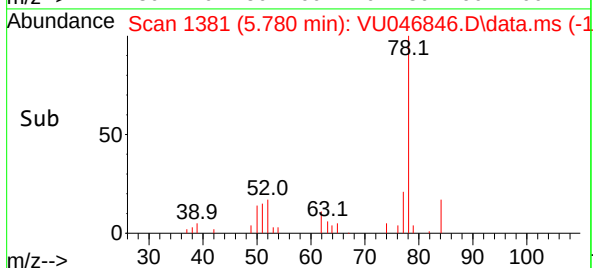
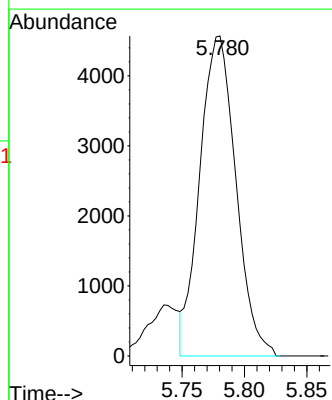
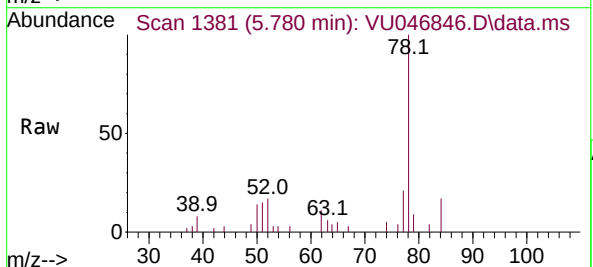
Instrument :
MSVOA_U
ClientSampleId :
BFX8

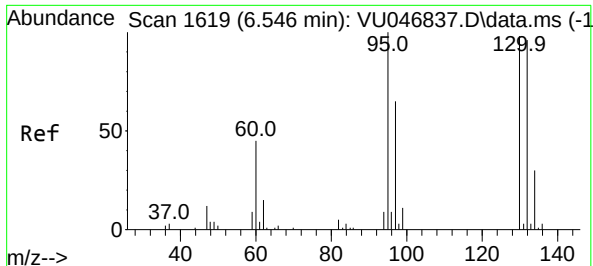
Tgt Ion:117 Resp: 2604
Ion Ratio Lower Upper
117 100
119 98.5 77.5 116.3



#33
Benzene
Concen: 0.325 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

Tgt Ion: 78 Resp: 9194

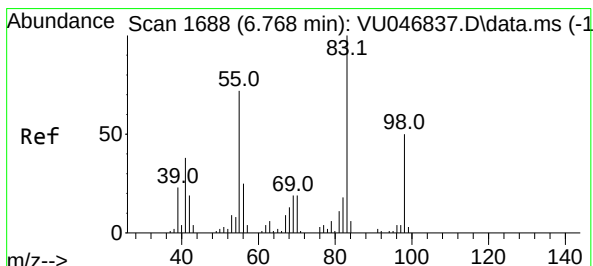
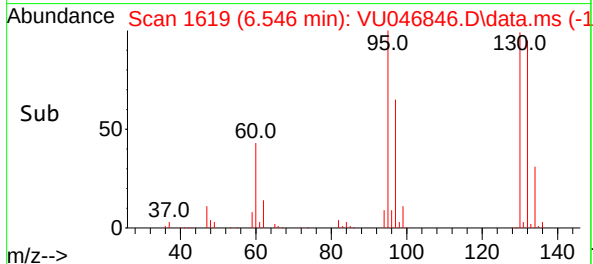
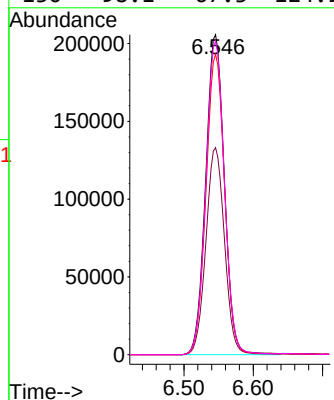
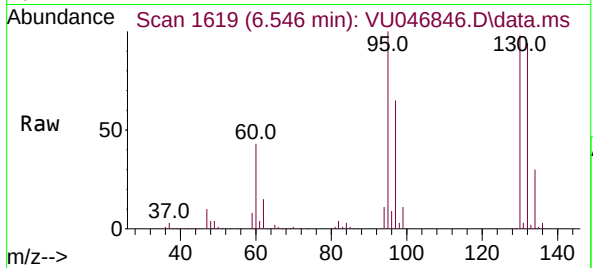




#34
Trichloroethene
Concen: 52.376 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

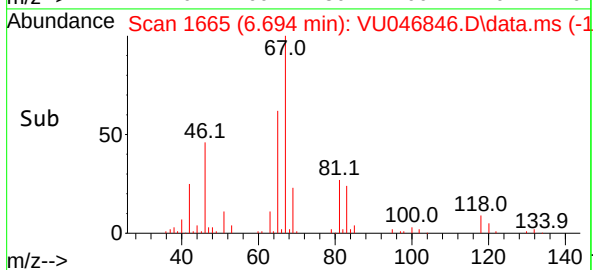
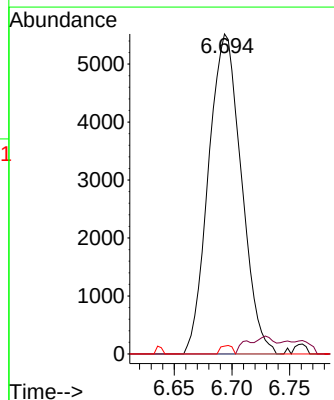
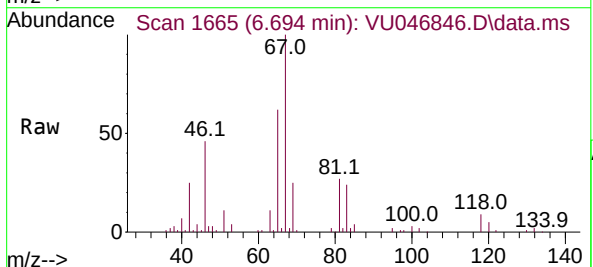
Instrument :
MSVOA_U
ClientSampleId :
BFX8

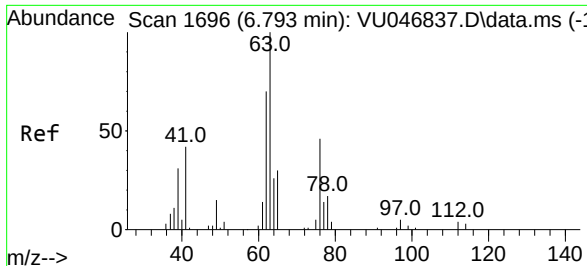
Tgt Ion: 95 Resp: 385082
Ion Ratio Lower Upper
95 100
97 64.7 46.5 86.5
132 93.9 65.1 120.9
130 98.1 67.3 124.9



#35
Methylcyclohexane
Concen: 0.886 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

Tgt Ion: 83 Resp: 10915
Ion Ratio Lower Upper
83 100
55 1.4 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.737 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046846.D

Acq: 26 Jan 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

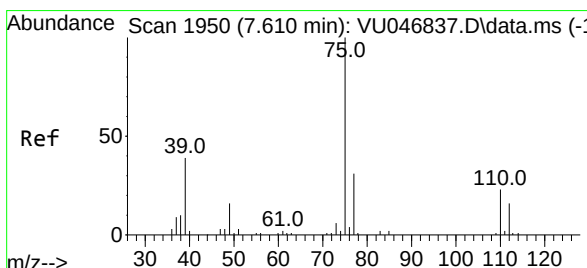
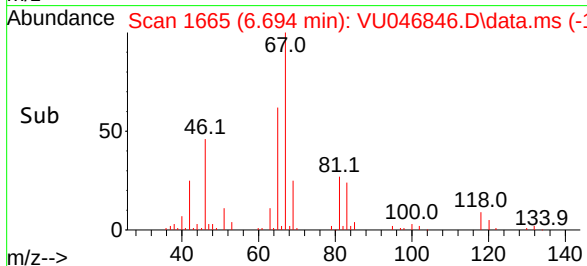
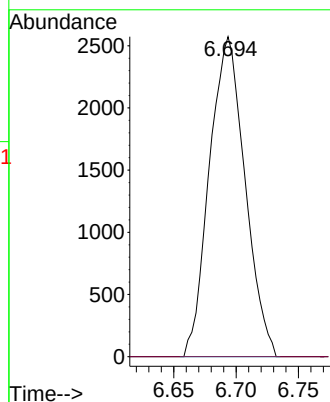
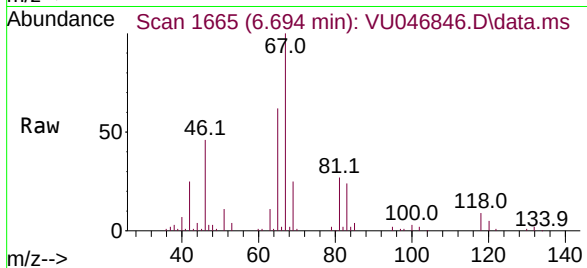
BFX8

Tgt Ion: 63 Resp: 5119

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046846.D

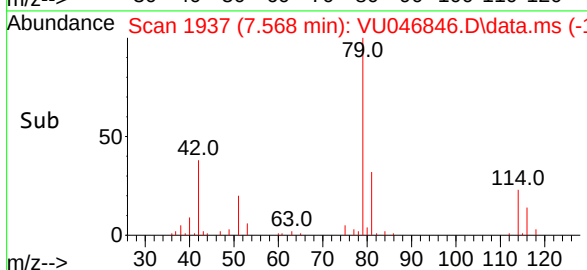
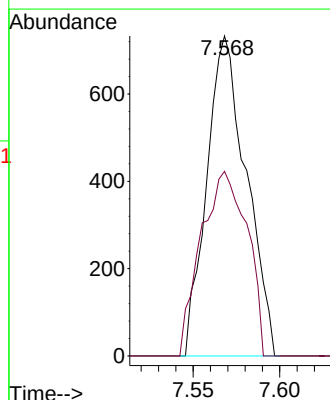
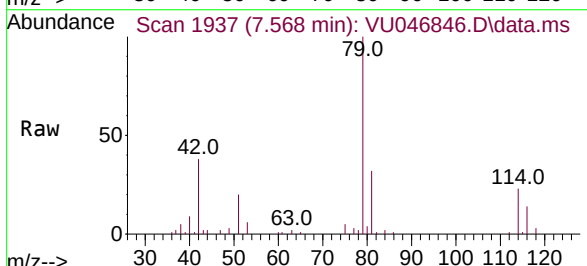
Acq: 26 Jan 2022 15:25

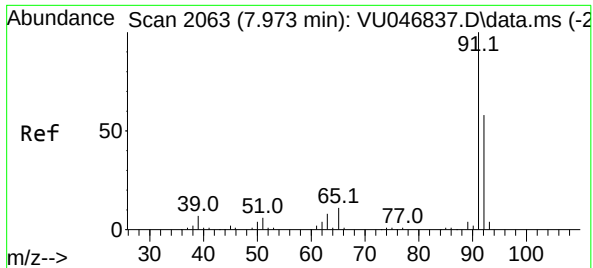
Tgt Ion: 75 Resp: 1164

Ion Ratio Lower Upper

75 100

77 57.7 22.5 41.9#





#42

Toluene

Concen: 0.481 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046846.D

Acq: 26 Jan 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

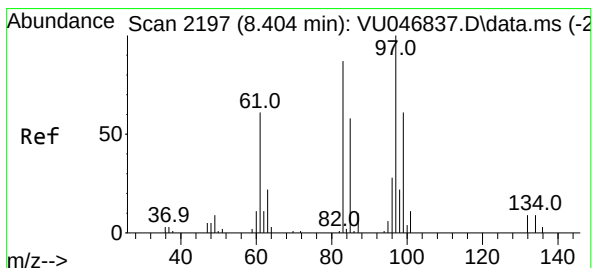
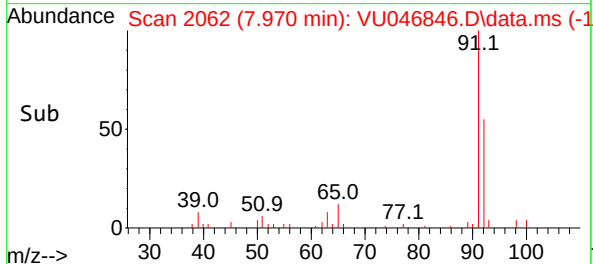
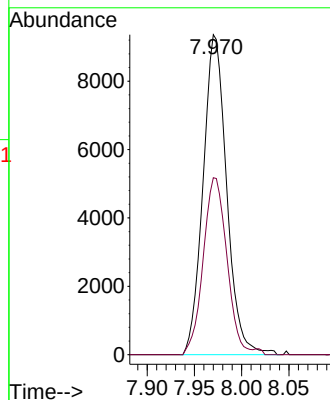
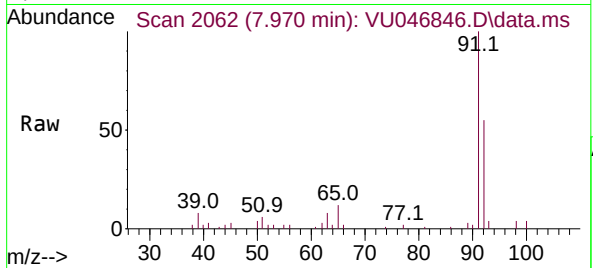
BFX8

Tgt Ion: 91 Resp: 16274

Ion Ratio Lower Upper

91 100

92 55.3 41.3 76.7



#45

1,1,2-Trichloroethane

Concen: 0.166 ug/L

RT: 8.407 min Scan# 2198

Delta R.T. 0.003 min

Lab File: VU046846.D

Acq: 26 Jan 2022 15:25

Tgt Ion: 97 Resp: 979

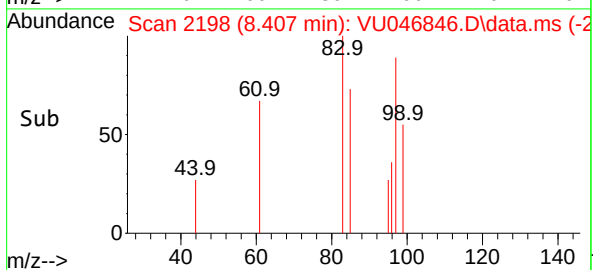
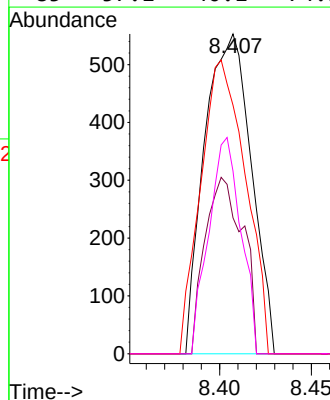
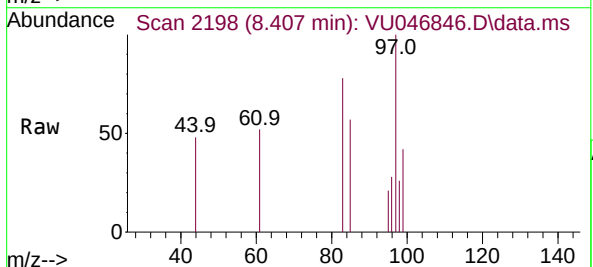
Ion Ratio Lower Upper

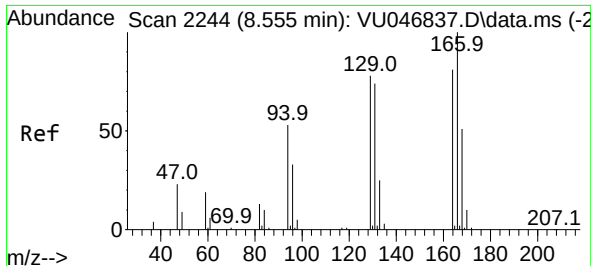
97 100

99 42.5 42.3 78.5

83 77.8 62.0 115.2

85 57.1 40.1 74.5

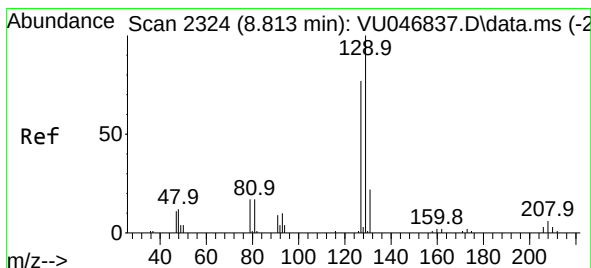
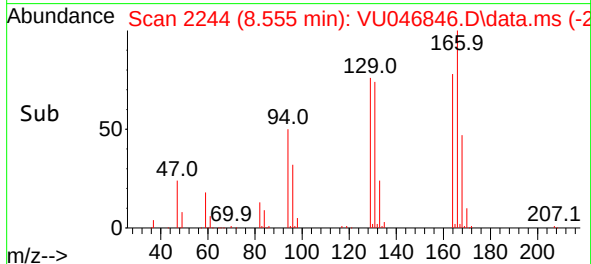
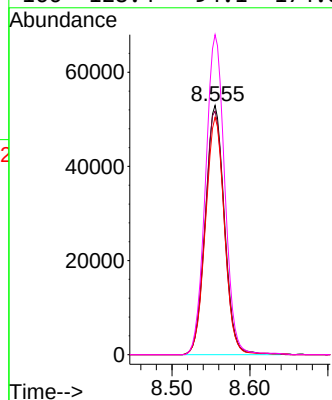
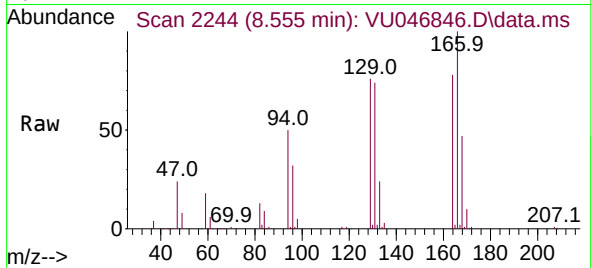




#47
Tetrachloroethene
Concen: 15.047 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

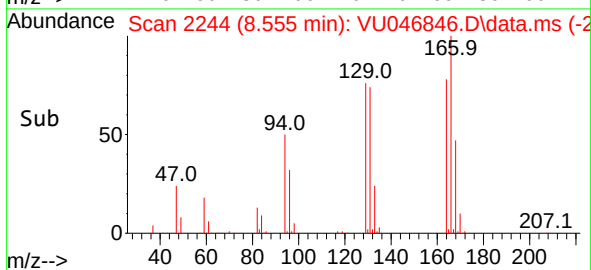
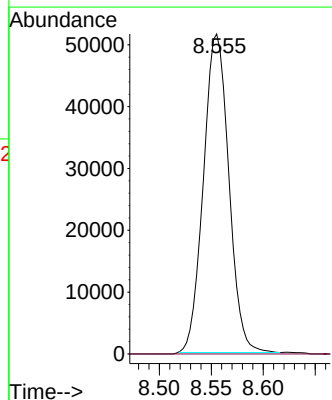
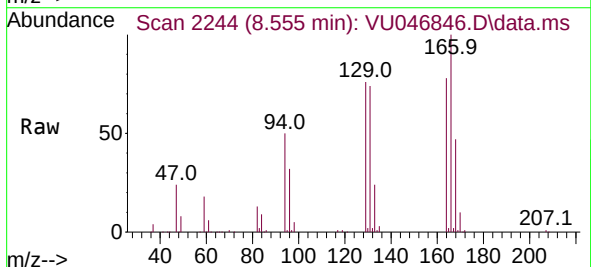
Instrument :
MSVOA_U
ClientSampleId :
BFX8

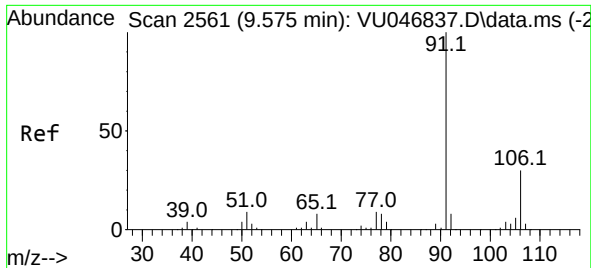
Tgt Ion:164 Resp: 89974
Ion Ratio Lower Upper
164 100
129 97.7 71.8 133.4
131 95.3 68.5 127.3
166 128.4 94.1 174.8



#49
Dibromochloromethane
Concen: 12.563 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

Tgt Ion:129 Resp: 87581
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#

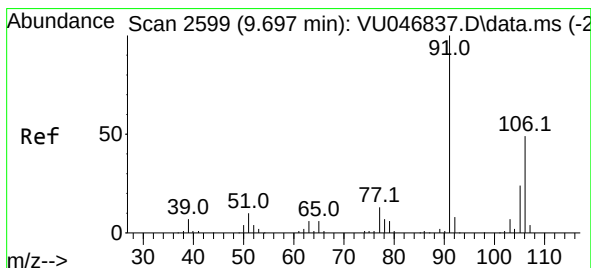
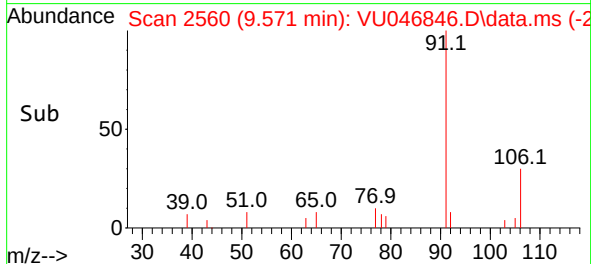
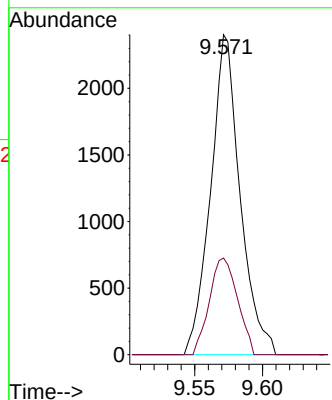
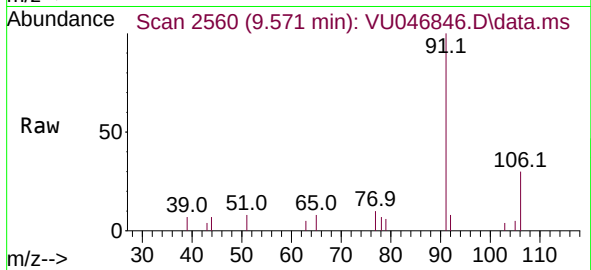




#52
Ethylbenzene
Concen: 0.113 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

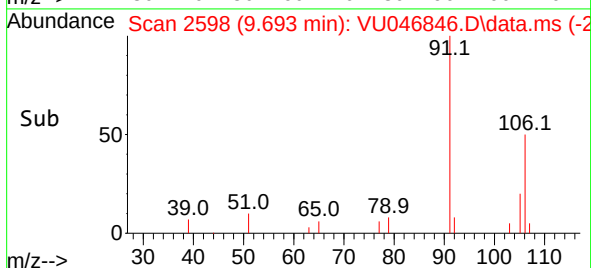
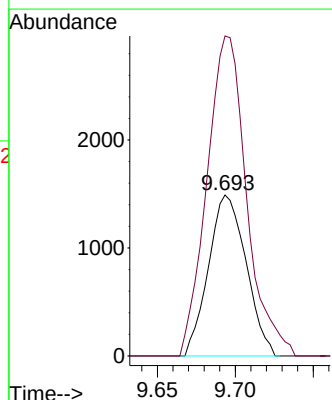
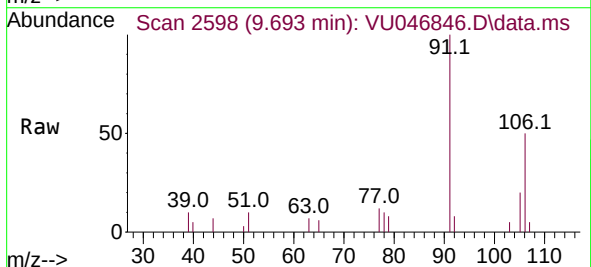
Instrument :
MSVOA_U
ClientSampleId :
BFX8

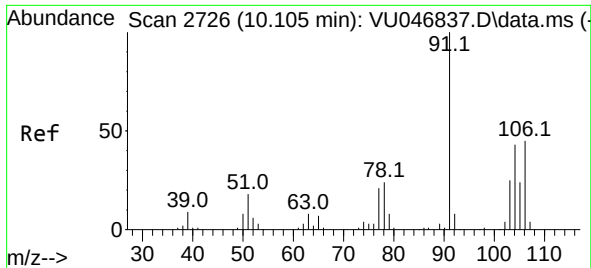
Tgt Ion: 91 Resp: 3633
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 0.195 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

Tgt Ion: 106 Resp: 2501
Ion Ratio Lower Upper
106 100
91 198.8 139.4 259.0

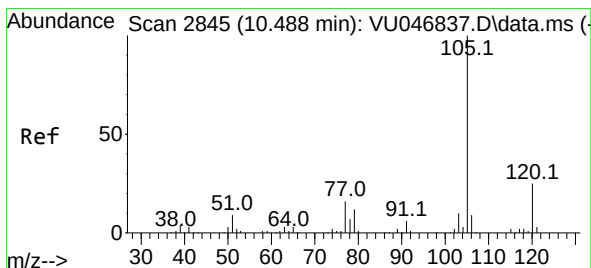
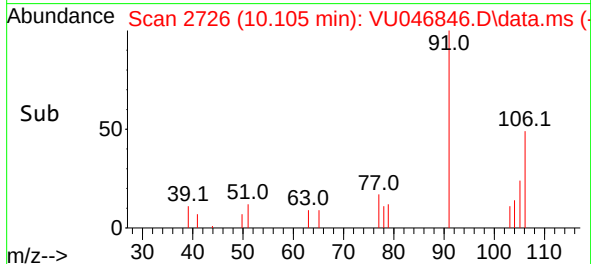
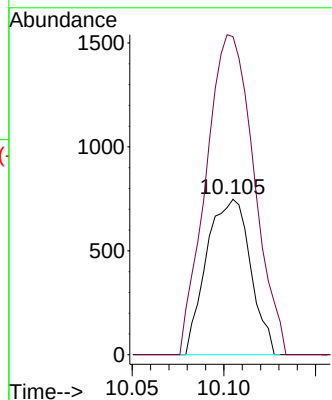
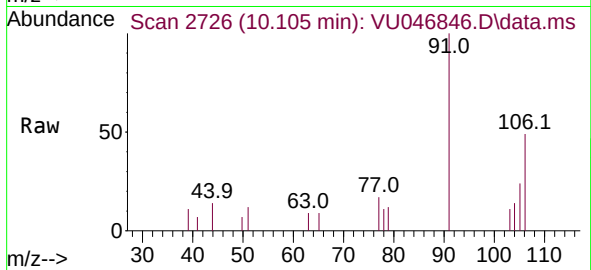




#54
o-Xylene
Concen: 0.100 ug/L
RT: 10.105 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

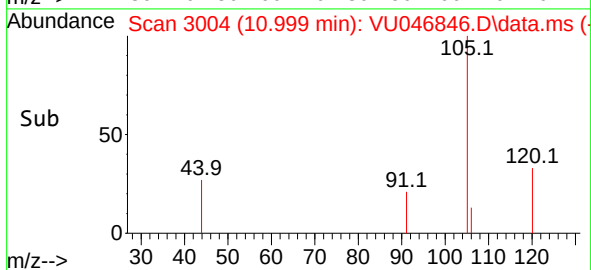
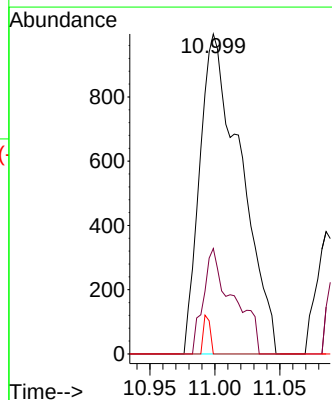
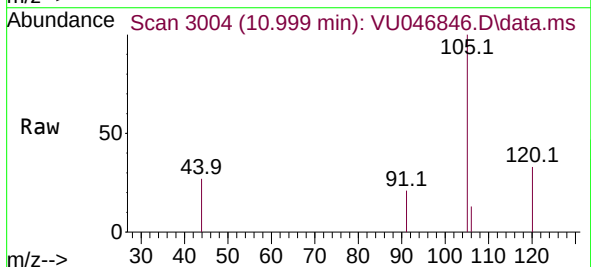
Instrument :
MSVOA_U
ClientSampleId :
BFX8

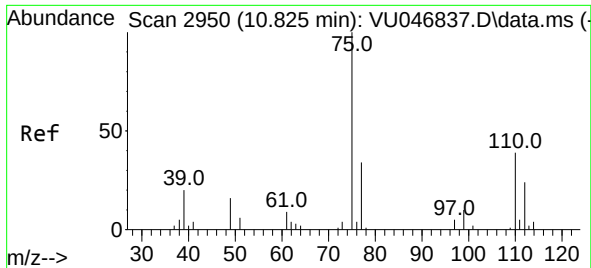
Tgt Ion:106 Resp: 1244
Ion Ratio Lower Upper
106 100
91 204.7 147.5 273.9



#60
Isopropylbenzene
Concen: 0.071 ug/L
RT: 10.999 min Scan# 3004
Delta R.T. 0.511 min
Lab File: VU046846.D
Acq: 26 Jan 2022 15:25

Tgt Ion:105 Resp: 2192
Ion Ratio Lower Upper
105 100
120 24.1 20.7 31.1
77 38.3 12.6 19.0#





#61

1,2,3-Trichloropropane

Concen: 0.490 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU046846.D

Acq: 26 Jan 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

BFX8

Tgt Ion: 75 Resp: 2731

Ion Ratio Lower Upper

75 100

110 39.7 29.9 44.9

77 30.7 25.5 38.3

