

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037616.D
 Acq On : 09 Apr 2020 14:36
 Operator : JC/MD
 Sample : L2189-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS79

Quant Time: Apr 10 03:12:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 03:10:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	2165	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	3286	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	4304	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.85	65	92	4.86	ug/L	0.24
Spiked Amount	50.000	Range	60 - 135	Recovery	=	9.72%#
7) Chloroethane-d5	1.93	69	182	11.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	23.80%#
11) 1,1-Dichloroethene-d2	2.60	63	80782	2619.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	5238.38%#
21) 2-Butanone-d5	4.68	46	2169	141.45	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	141.45%#
24) Chloroform-d	5.10	84	339	11.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	23.84%#
26) 1,2-Dichloroethane-d4	5.75	65	1290	66.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	133.52%#
32) Benzene-d6	5.76	84	759	7.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	15.70%#
36) 1,2-Dichloropropane-d6	6.72	67	341	10.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	21.20%#
41) Toluene-d8	7.93	98	2989	33.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	66.70%#
43) trans-1,3-Dichloropropene-	8.20	79	664	38.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.34%
47) 2-Hexanone-d5	8.66	63	2221	120.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.55%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	2993	65.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	131.68%#
64) 1,2-Dichlorobenzene-d4	12.21	152	3959	44.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.40	85	308	18.161	ug/L #	87
3) Chloromethane	1.54	50	771	38.871	ug/L	99
5) Vinyl chloride	1.62	62	29304	1411.783	ug/L	100
6) Bromomethane	1.84	94	68	6.225	ug/L	98
8) Chloroethane	1.95	64	21810	1769.950	ug/L	98
9) Trichlorofluoromethane	2.16	101	166	7.406	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	569	41.693	ug/L #	31
12) 1,1-Dichloroethene	2.61	96	143817	10391.320	ug/L #	75
13) Acetone	2.66	43	3478	384.036	ug/L	86
14) Carbon disulfide	2.83	76	3190	67.284	ug/L #	95
15) Methyl Acetate	2.99	43	97	4.504	ug/L #	53
16) Methylene chloride	3.08	84	460	29.093	ug/L #	60
17) trans-1,2-Dichloroethene	3.39	96	4340	292.303	ug/L	91
18) Methyl tert-butyl Ether	3.41	73	256	4.995	ug/L #	48
19) 1,1-Dichloroethane	3.91	63	3283001	112784.559	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	35935	2201.153	ug/L	100
22) 2-Butanone	4.75	43	7130	449.802	ug/L	84

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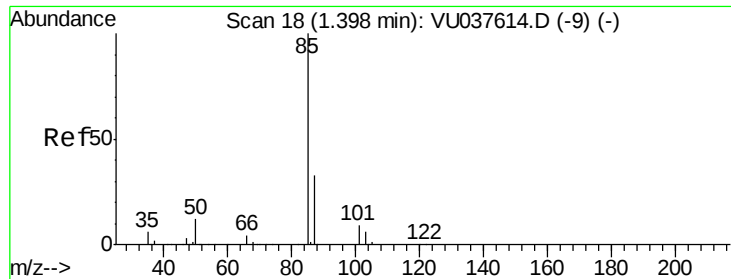
Instrument :
 MSVOA_U
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Quant Time: Apr 10 03:12:52 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

25) Chloroform	5.13	83	697	25.448	ug/L	96
27) 1,2-Dichloroethane	5.83	62	5048	222.833	ug/L #	75
29) Cyclohexane	5.42	56	1864	41.250	ug/L #	27
30) 1,1,1-Trichloroethane	5.36	97	8808694	236501.524	ug/L	99
31) Carbon tetrachloride	5.36	117	1131062	37408.329	ug/L	100
33) Benzene	5.81	78	36321	363.208	ug/L	100
34) Trichloroethene	6.57	95	3333	135.394	ug/L	85
35) Methylcyclohexane	6.79	83	1822	41.714	ug/L	95
37) 1,2-Dichloropropane	6.82	63	295	10.736	ug/L #	87
38) Bromodichloromethane	7.13	83	272	8.041	ug/L #	25
39) cis-1,3-Dichloropropene	7.64	75	119	2.646	ug/L #	1
40) 4-Methyl-2-pentanone	7.82	43	2408	49.344	ug/L	97
42) Toluene	7.99	91	11599	109.189	ug/L	95
44) trans-1,3-Dichloropropene	8.24	75	516	11.836	ug/L #	1
45) 1,1,2-Trichloroethane	8.42	97	3110	126.850	ug/L	94
46) Tetrachloroethene	8.57	164	1474	80.477	ug/L #	80
48) 2-Hexanone	8.71	43	1342	34.827	ug/L #	1
49) Dibromochloromethane	8.57	129	1379	52.452	ug/L #	10
50) 1,2-Dibromoethane	8.94	107	61	2.300	ug/L #	29
51) Chlorobenzene	9.47	112	52595	792.805	ug/L	93
52) Ethylbenzene	9.59	91	5105	42.863	ug/L #	82
53) m,p-Xylene	9.71	106	3584	79.251	ug/L	99
54) o-xylene	10.12	106	2883	64.279	ug/L	94
55) Styrene	10.13	104	1117	14.364	ug/L #	62
56) Isopropylbenzene	10.50	105	7198	61.635	ug/L #	90
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	2602	59.436	ug/L	91
59) 1,2,3-Trichloropropane	10.84	75	301	8.064	ug/L #	1
62) 1,3-Dichlorobenzene	11.76	146	2371	17.114	ug/L	92
63) 1,4-Dichlorobenzene	11.85	146	4936	35.511	ug/L	95
65) 1,2-Dichlorobenzene	12.23	146	18506	135.544	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	1585	15.647	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	2290	23.439	ug/L #	86
69) Naphthalene	14.11	128	14469	40.136	ug/L #	90
70) 1,2,3-Trichlorobenzene	14.36	180	2118	21.757	ug/L #	58

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



#2

Dichlorodifluoromethane

Concen: 18.161 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

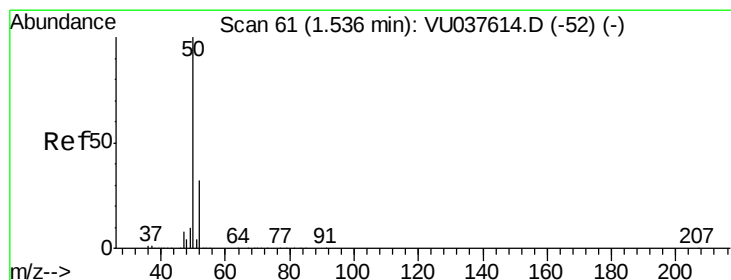
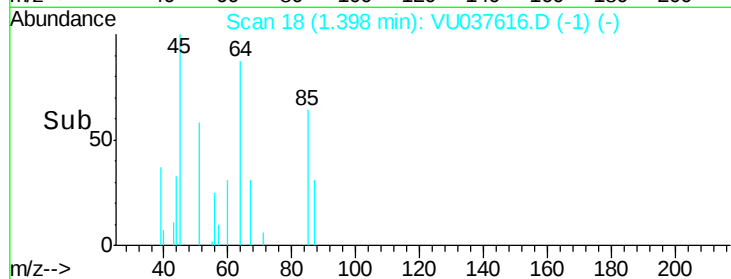
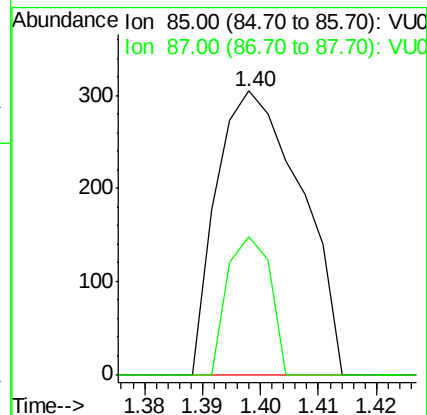
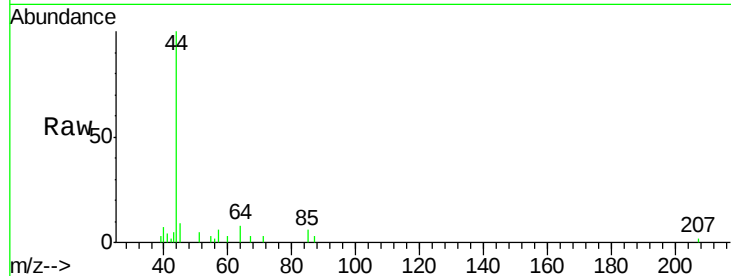
BFS79

Tot Ion: 85 Resp: 308

Ion Ratio Lower Upper

85 100

87 24.7 25.4 38.2#



#3

Chloromethane

Concen: 38.871 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037616.D

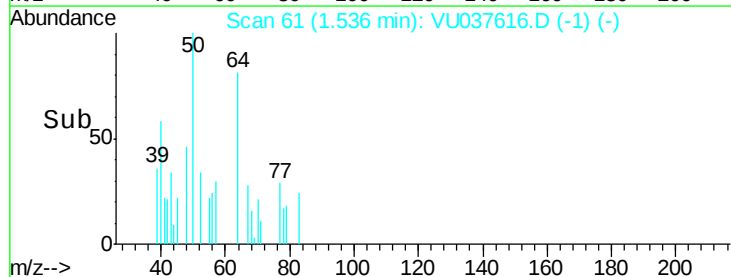
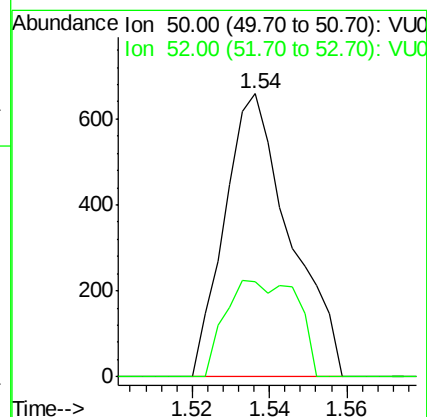
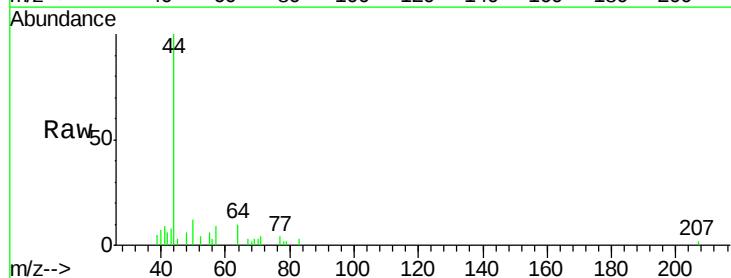
Acq: 09 Apr 2020 14:36

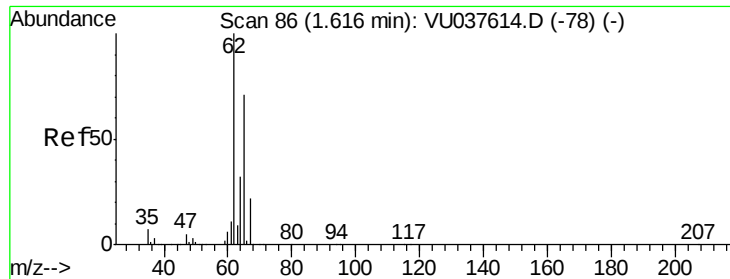
Tgt Ion: 50 Resp: 771

Ion Ratio Lower Upper

50 100

52 33.7 23.3 43.3





#5

Vinyl chloride

Concen: 1411.783 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

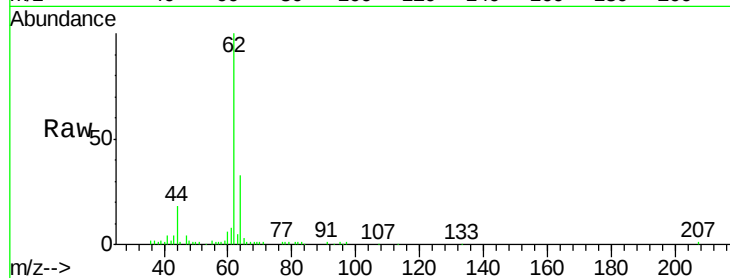
BFS79

Tot Ion: 62 Resp: 29304

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037616.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037616.D (-78) (-)

1.62

30000

25000

20000

15000

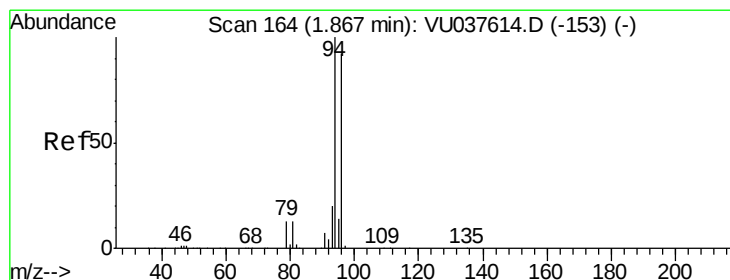
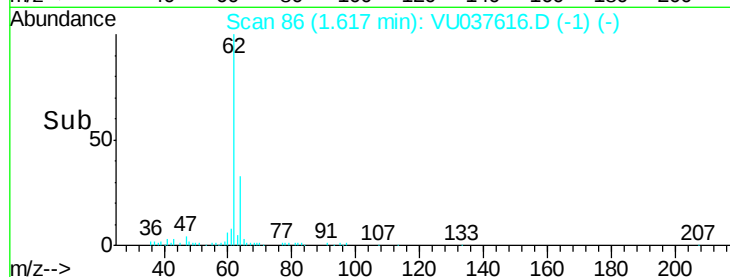
10000

5000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 6.225 ug/L

RT: 1.84 min Scan# 156

Delta R.T. -0.03 min

Lab File: VU037616.D

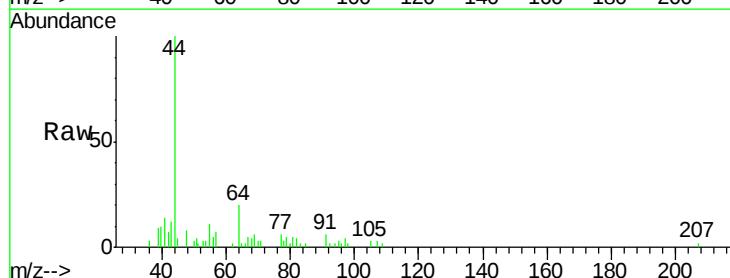
Acq: 09 Apr 2020 14:36

Tgt Ion: 94 Resp: 68

Ion Ratio Lower Upper

94 100

96 95.1 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VU037616.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU037616.D (-153) (-)

1.84

200

150

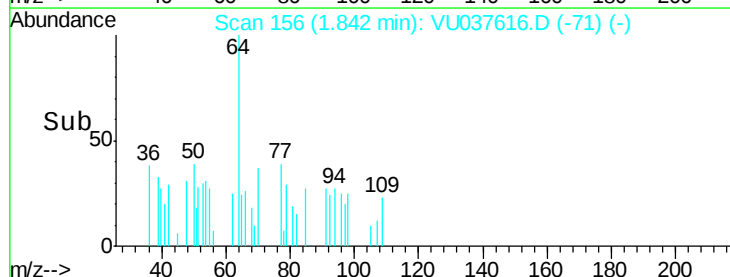
100

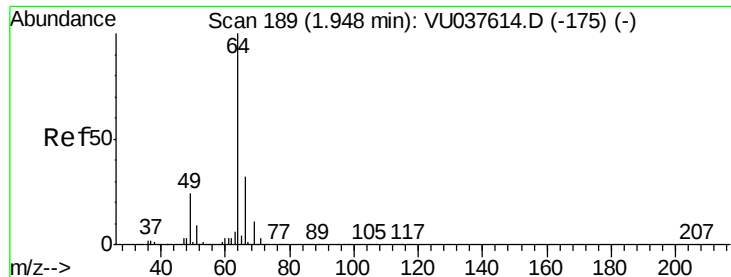
50

0

1.83 1.84 1.85

Time-->

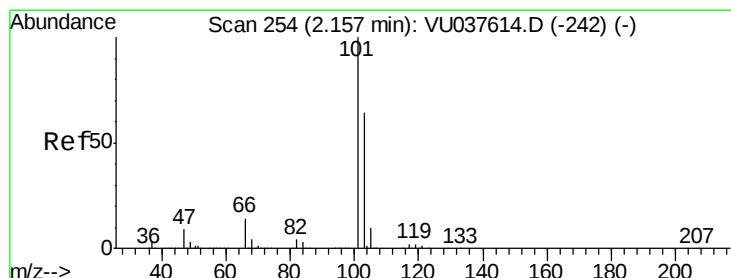
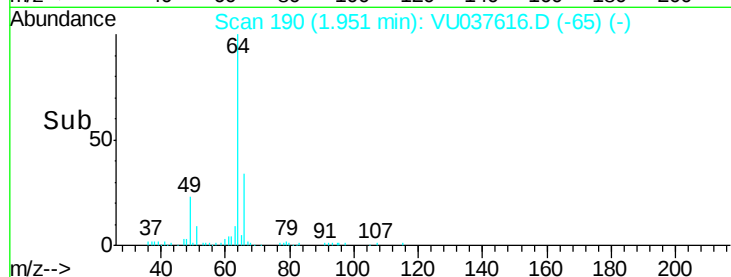
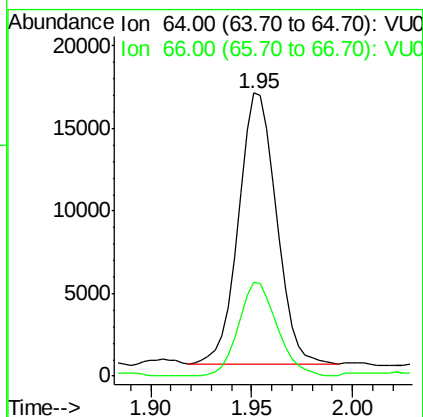
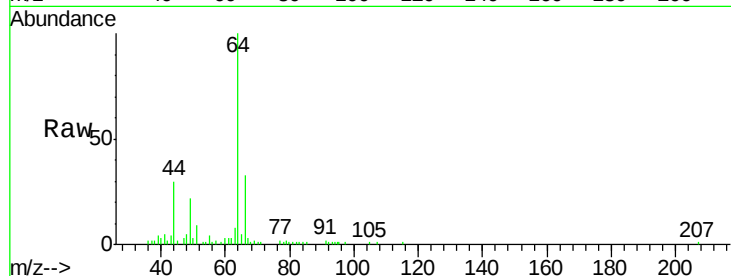




#8
Chloroethane
Concen: 1769.950 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

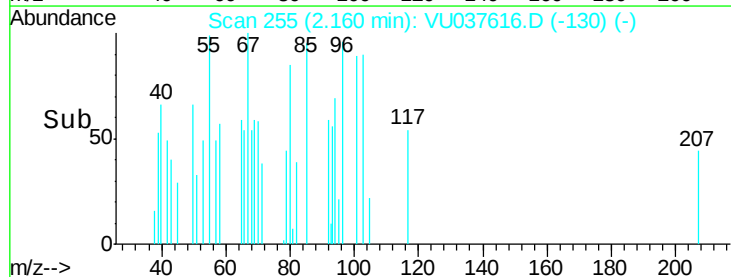
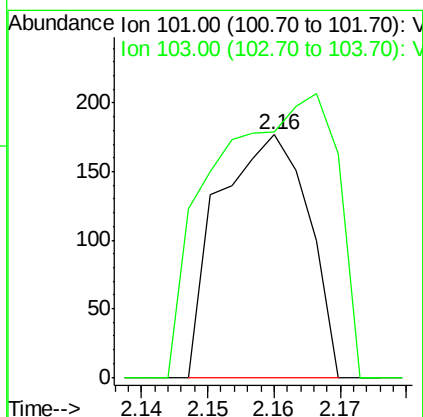
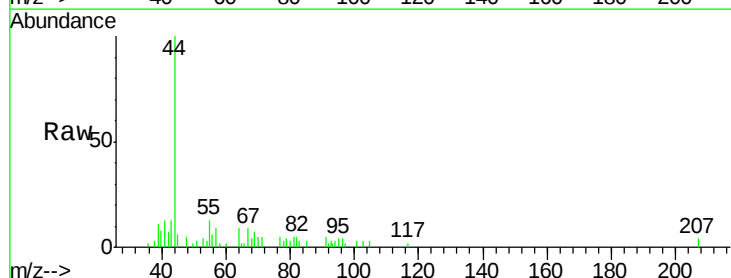
Instrument :
MSVOA_U
ClientSampleId :
BFS79

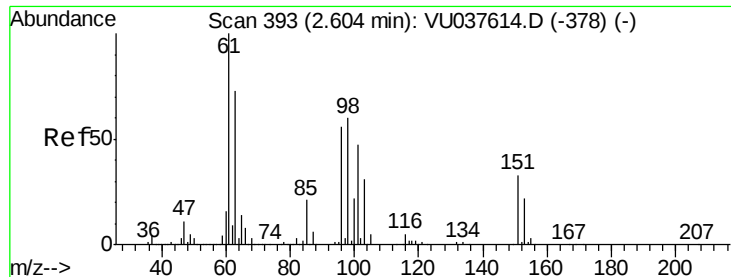
Tot Ion: 64 Resp: 21810
Ion Ratio Lower Upper
64 100
66 33.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 7.406 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

Tgt Ion:101 Resp: 166
Ion Ratio Lower Upper
101 100
103 66.3 52.2 78.2





#10

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

Concen: 41.693 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

BFS79

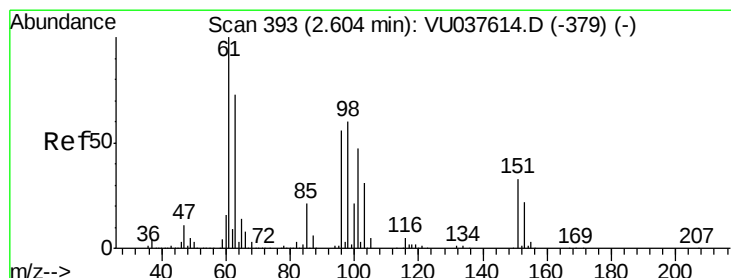
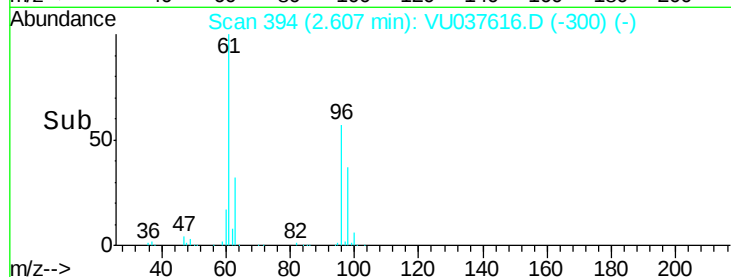
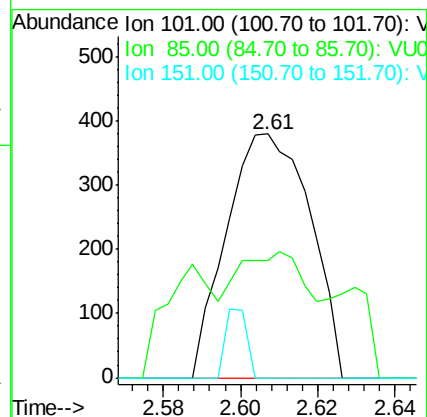
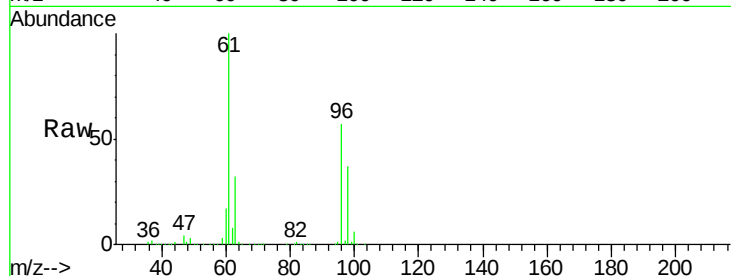
Tot Ion:101 Resp: 569

Ion Ratio Lower Upper

101 100

85 8.1 34.5 51.7#

151 7.2 56.8 85.2#



#12

1,1-Dichloroethene

Concen: 10391.320 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

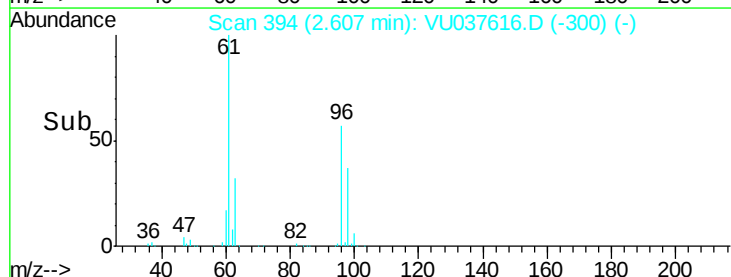
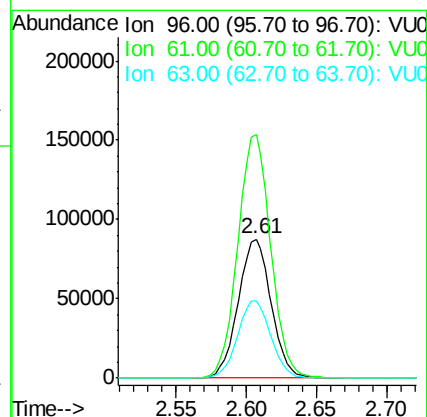
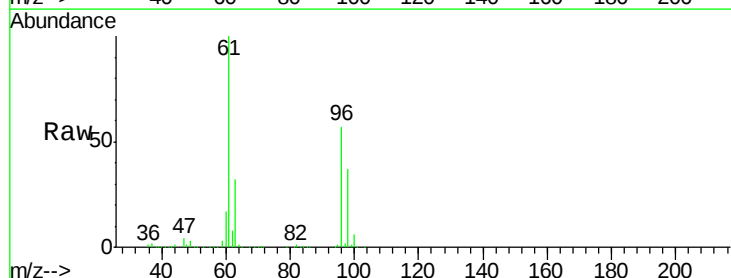
Tgt Ion: 96 Resp: 143817

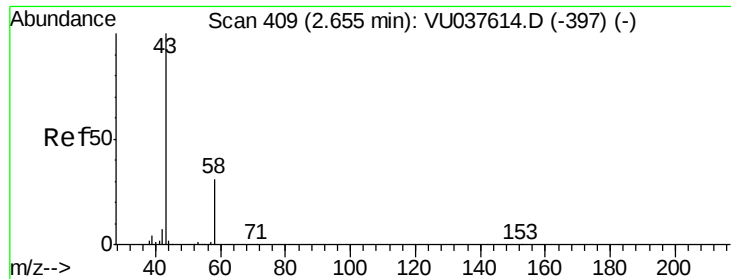
Ion Ratio Lower Upper

96 100

61 175.0 123.6 229.6

63 55.3 85.7 159.1#





#13

Acetone

Concen: 384.036 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

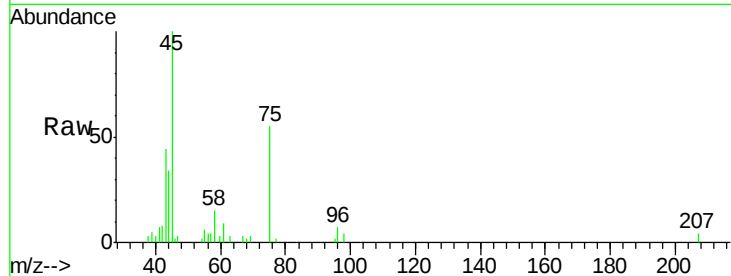
BFS79

Tot Ion: 43 Resp: 3478

Ion Ratio Lower Upper

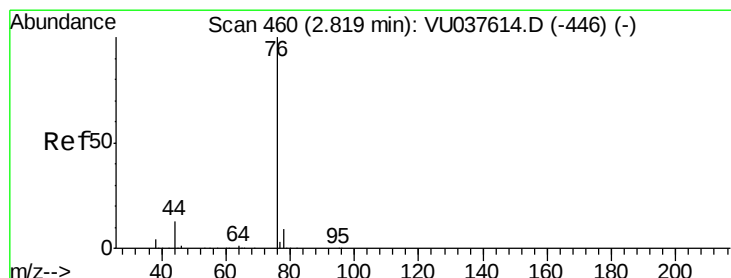
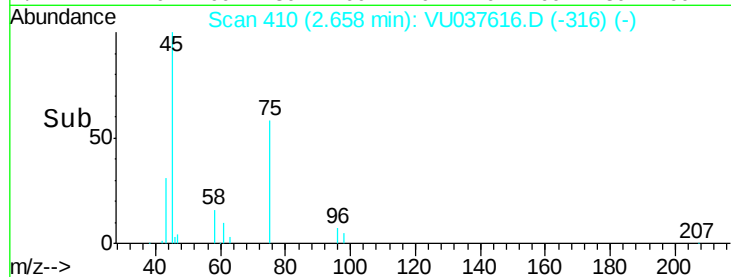
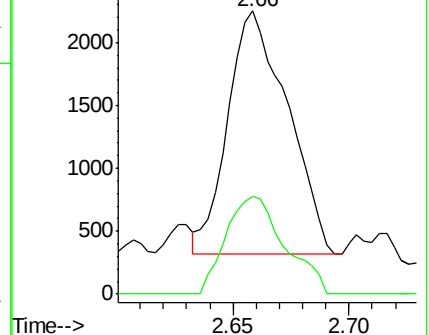
43 100

58 39.5 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VU037616.D (-410) (-)

Ion 58.00 (57.70 to 58.70): VU037616.D (-410) (-)



#14

Carbon disulfide

Concen: 67.284 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.01 min

Lab File: VU037616.D

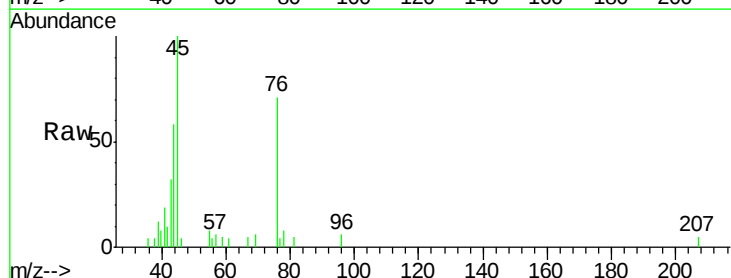
Acq: 09 Apr 2020 14:36

Tgt Ion: 76 Resp: 3190

Ion Ratio Lower Upper

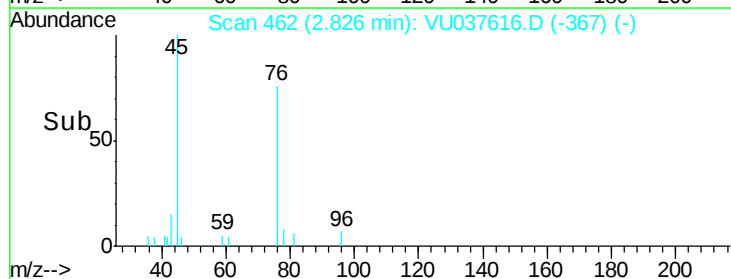
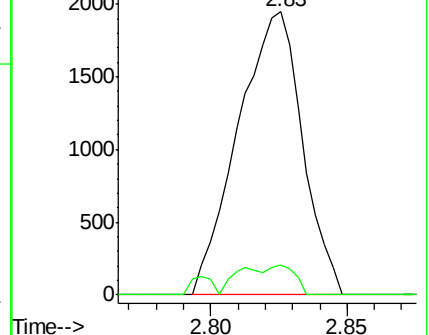
76 100

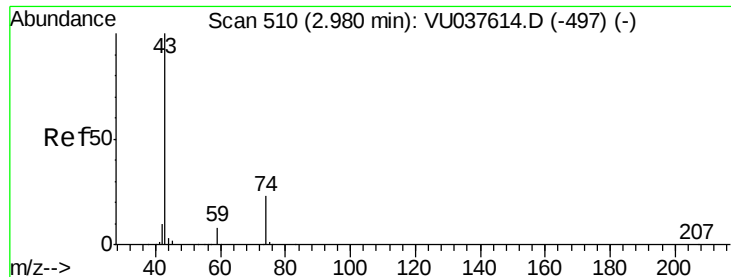
78 10.6 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VU037616.D (-462) (-)

Ion 78.00 (77.70 to 78.70): VU037616.D (-462) (-)

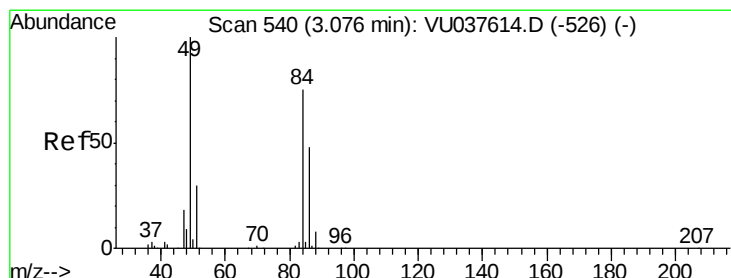
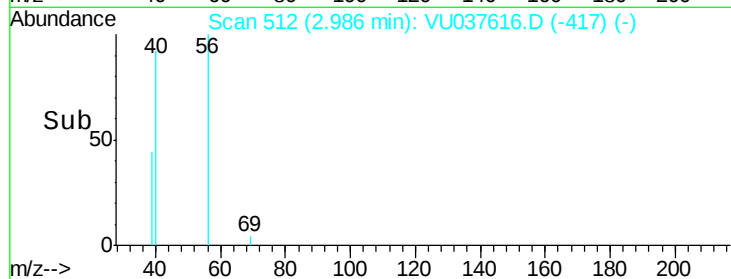
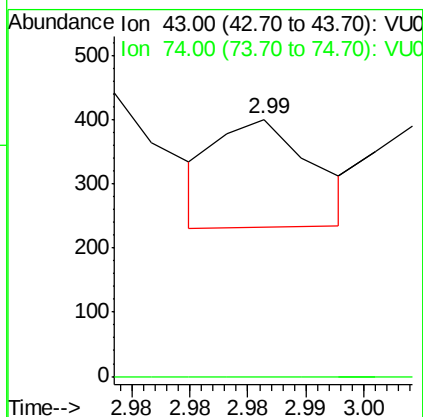
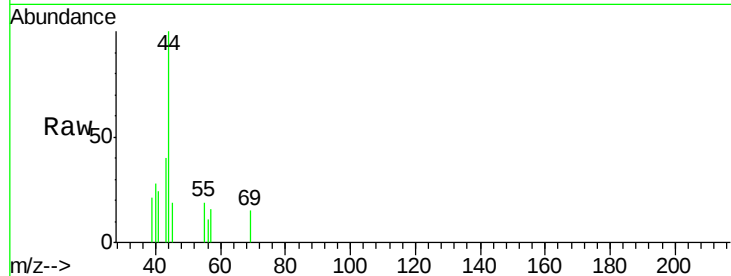




#15
Methyl Acetate
Concen: 4.504 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.01 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

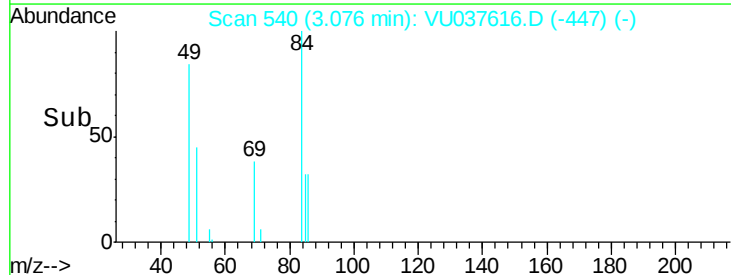
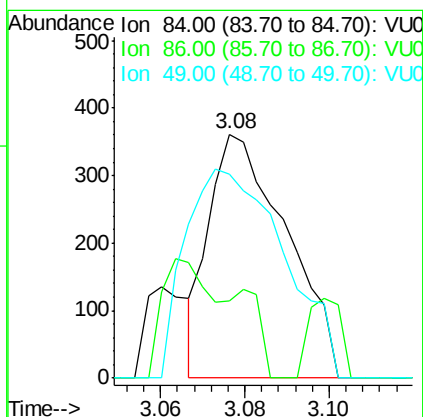
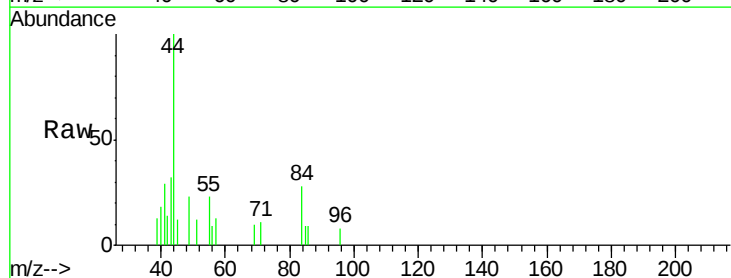
Instrument :
MSVOA_U
ClientSampled :
BFS79

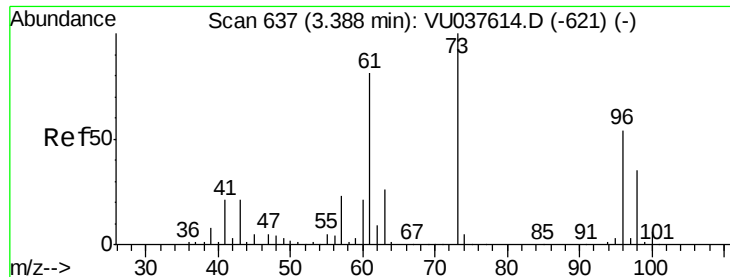
Tot Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#16
Methylene chloride
Concen: 29.093 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

Tgt Ion: 84 Resp: 460
Ion Ratio Lower Upper
84 100
86 31.6 44.1 81.9#
49 83.7 90.3 167.7#





#17

trans-1,2-Dichloroethene

Concen: 292.303 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

BFS79

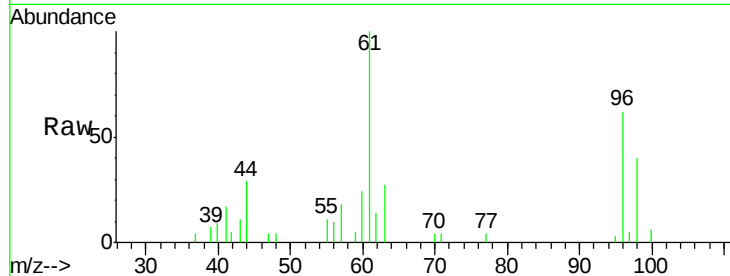
Tot Ion: 96 Resp: 4340

Ion Ratio Lower Upper

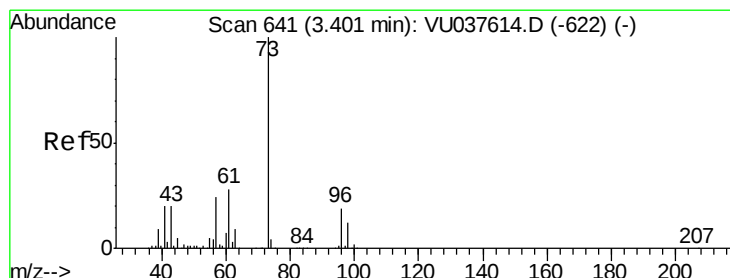
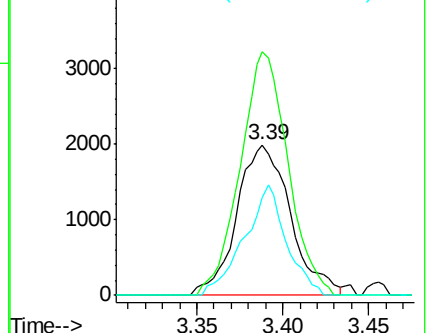
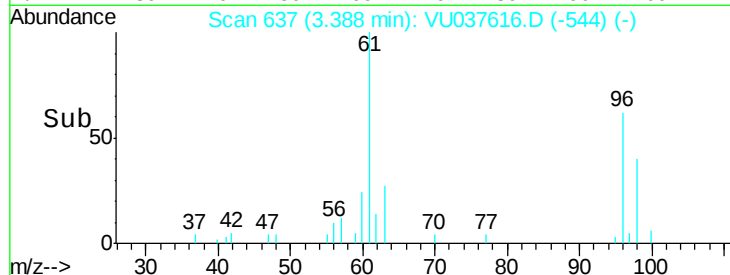
96 100

61 162.0 103.2 191.6

98 64.6 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU037616.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 4.995 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.01 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

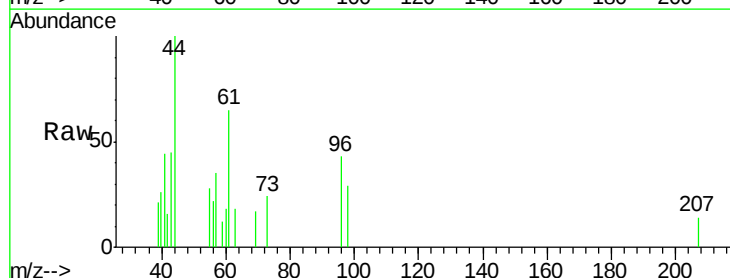
Tgt Ion: 73 Resp: 256

Ion Ratio Lower Upper

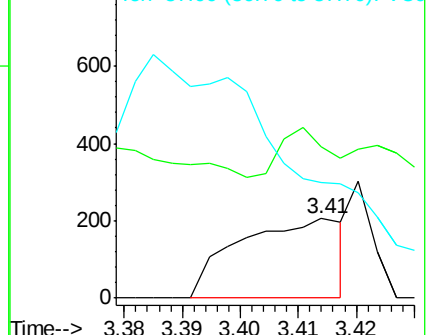
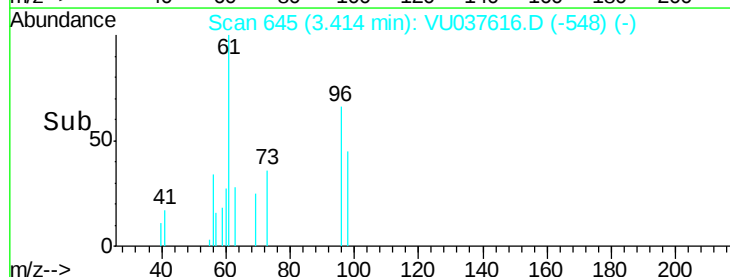
73 100

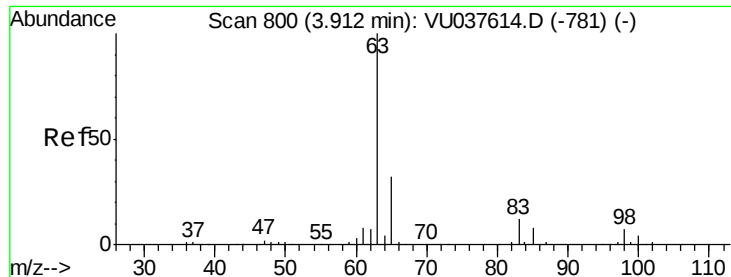
43 47.3 16.3 24.5#

57 0.0 18.3 27.5#



Abundance Ion 73.00 (72.70 to 73.70): VU037616.D (-548) (-)



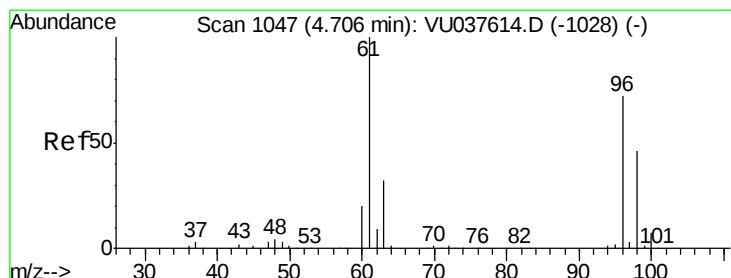
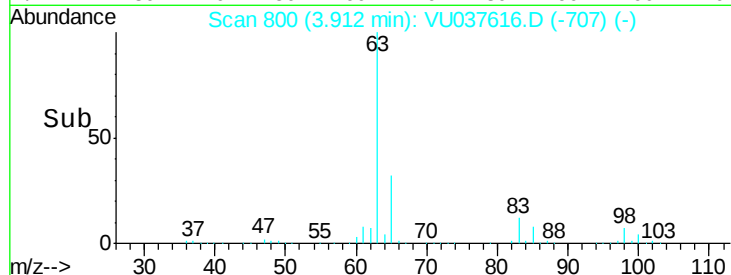
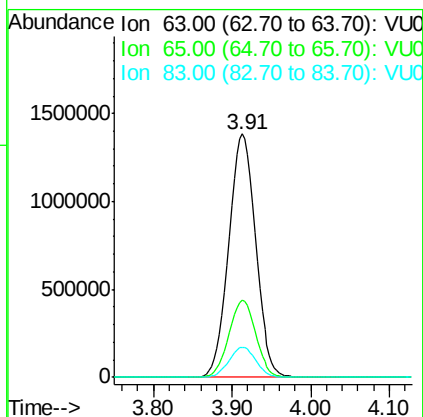
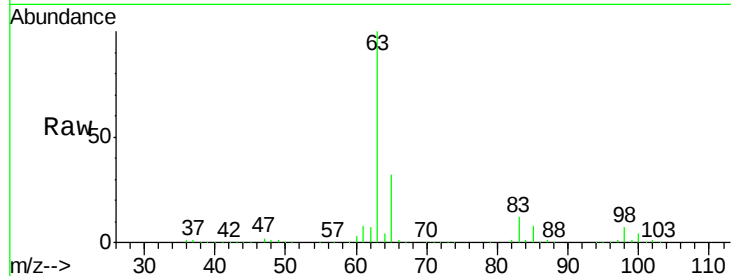


#19
 1,1-Dichloroethane
 Concen: 112784.559 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037616.D
 Acq: 09 Apr 2020 14:36

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS79

Tot Ion: 63 Resp: 3283001

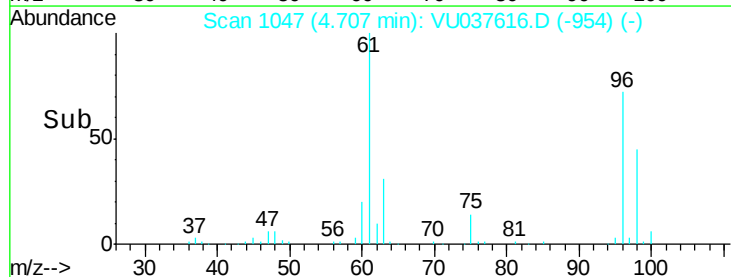
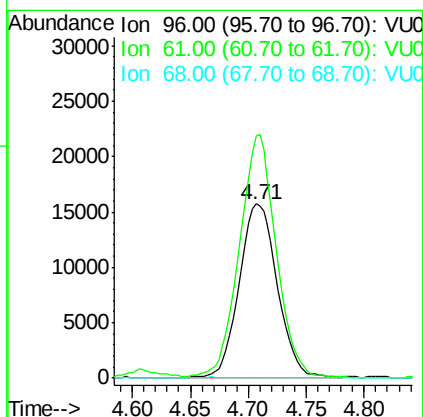
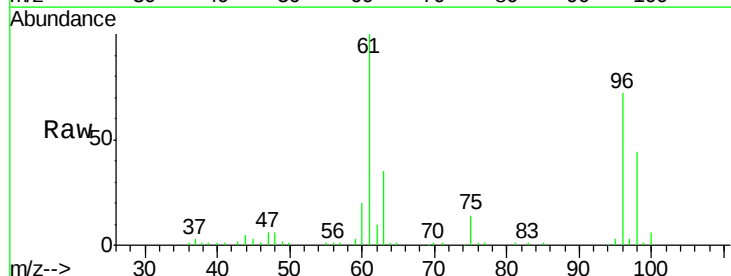
Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.9	40.7
83	12.4	9.0	16.6

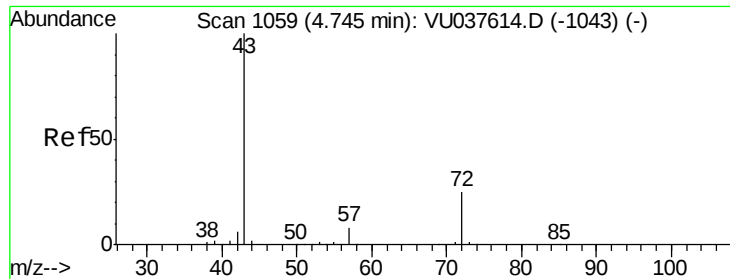


#20
 cis-1,2-Dichloroethene
 Concen: 2201.153 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037616.D
 Acq: 09 Apr 2020 14:36

Tgt Ion: 96 Resp: 35935

Ion	Ratio	Lower	Upper
96	100		
61	139.3	97.5	181.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 449.802 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

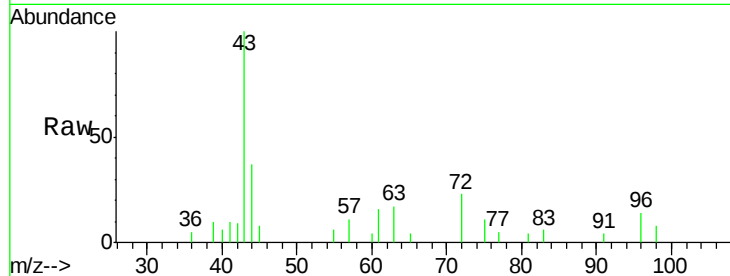
BFS79

Tot Ion: 43 Resp: 7130

Ion Ratio Lower Upper

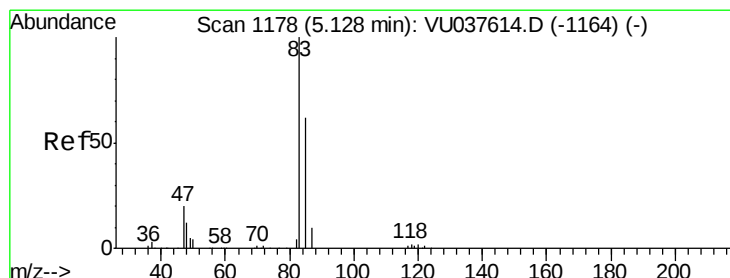
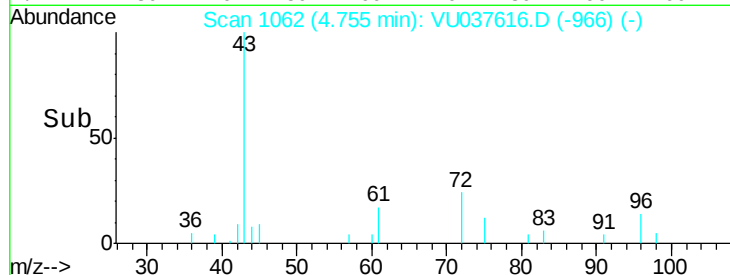
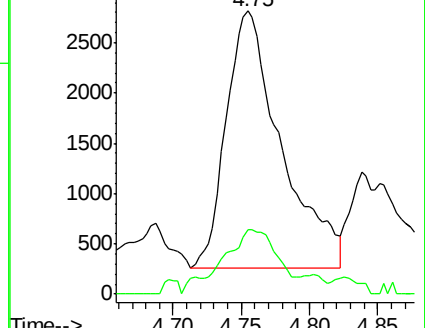
43 100

72 17.4 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU037616.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037616.D (-966) (-)



#25

Chloroform

Concen: 25.448 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037616.D

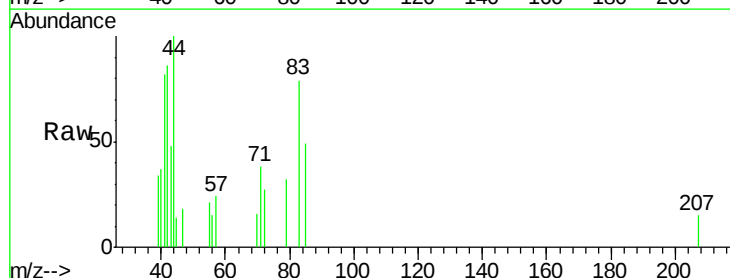
Acq: 09 Apr 2020 14:36

Tgt Ion: 83 Resp: 697

Ion Ratio Lower Upper

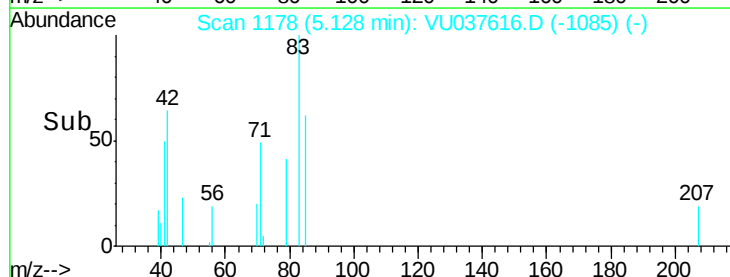
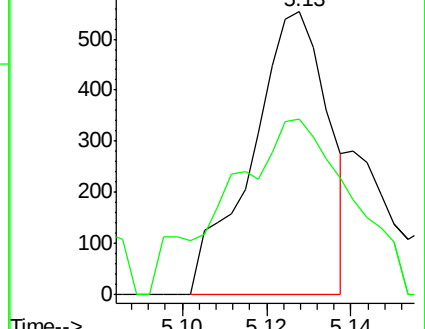
83 100

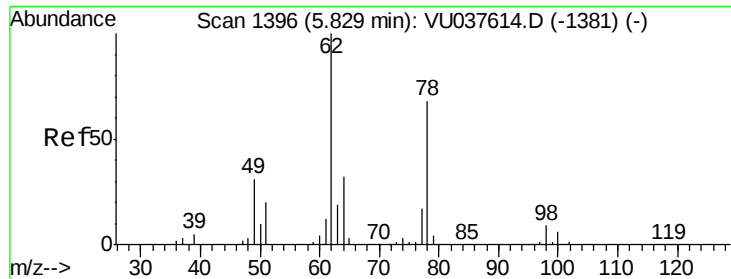
85 62.0 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VU037616.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU037616.D (-1085) (-)

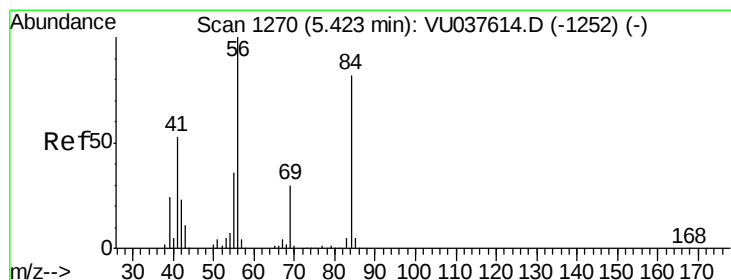
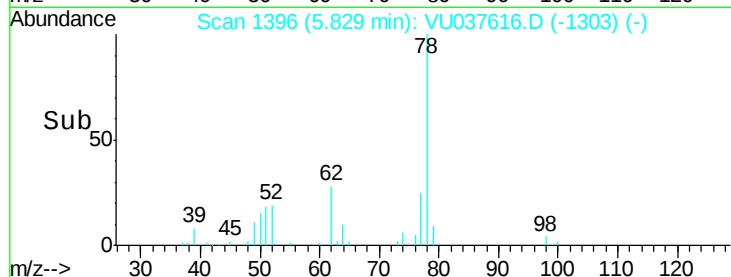
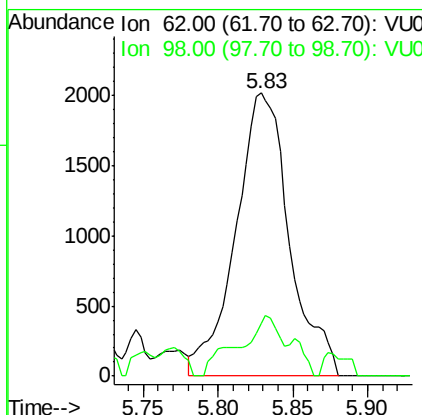
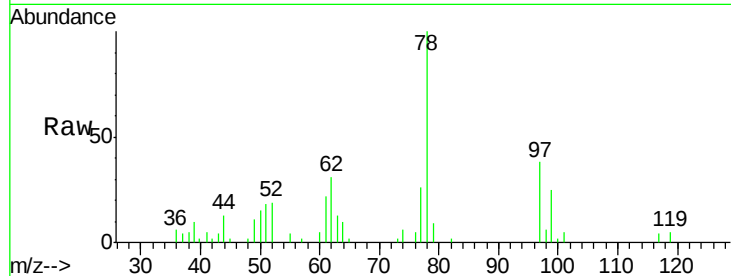




#27
 1,2-Dichloroethane
 Concen: 222.833 ug/L
 RT: 5.83 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: VU037616.D
 Acq: 09 Apr 2020 14:36

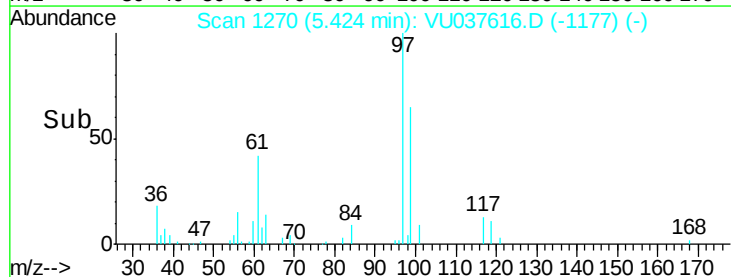
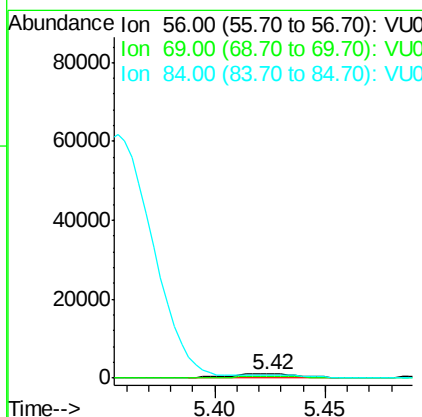
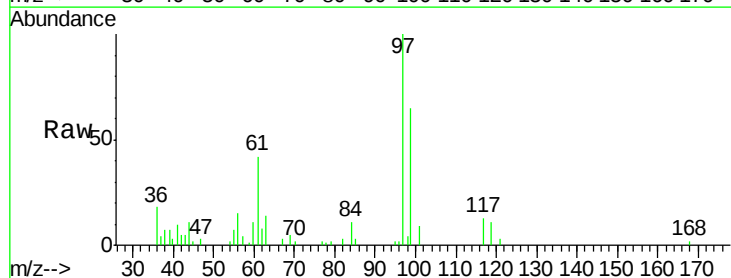
Instrument :
 MSVOA_U
 ClientSampleId :
 BFS79

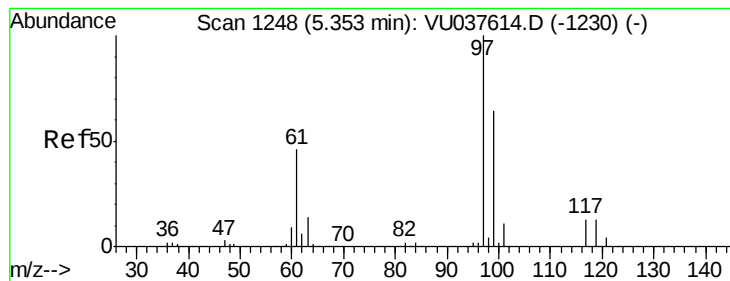
Tot Ion: 62 Resp: 5048
 Ion Ratio Lower Upper
 62 100
 98 18.8 7.8 11.6#



#29
 Cyclohexane
 Concen: 41.250 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037616.D
 Acq: 09 Apr 2020 14:36

Tgt Ion: 56 Resp: 1864
 Ion Ratio Lower Upper
 56 100
 69 50.4 24.0 36.0#
 84 5.6 66.3 99.5#





#30

1,1,1-Trichloroethane

Concen: 236501.524 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

BFS79

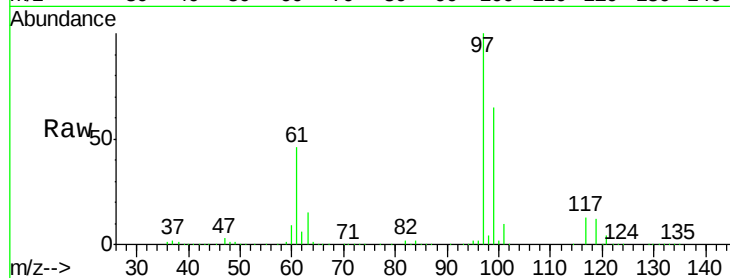
Tot Ion: 97 Resp: 8808694

Ion Ratio Lower Upper

97 100

99 64.4 51.9 77.9

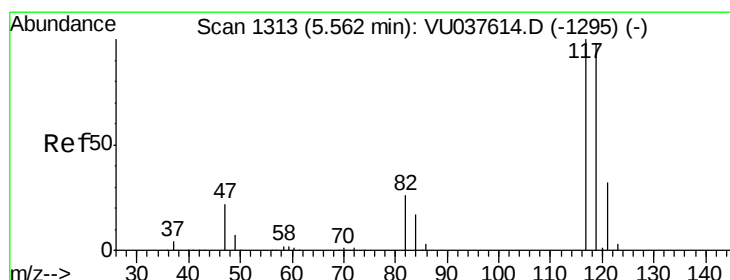
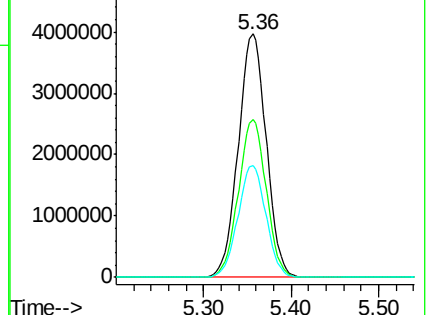
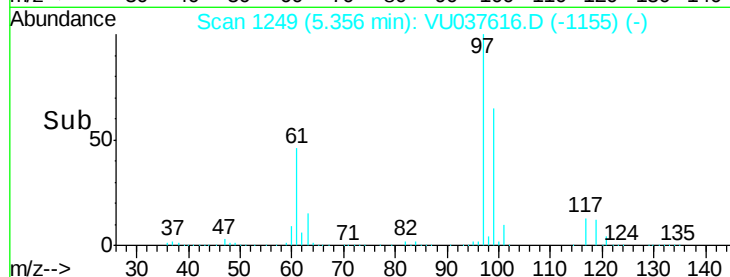
61 45.9 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VU037616.D (-1230) (-)

Ion 99.00 (98.70 to 99.70): VU037616.D (-1230) (-)

Ion 61.05 (60.75 to 61.75): VU037616.D (-1230) (-)



#31

Carbon tetrachloride

Concen: 37408.329 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.21 min

Lab File: VU037616.D

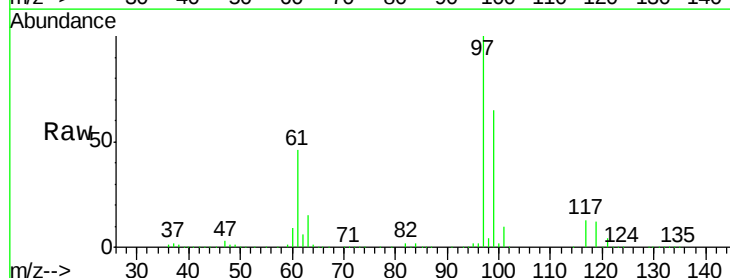
Acq: 09 Apr 2020 14:36

Tgt Ion: 117 Resp: 1131062

Ion Ratio Lower Upper

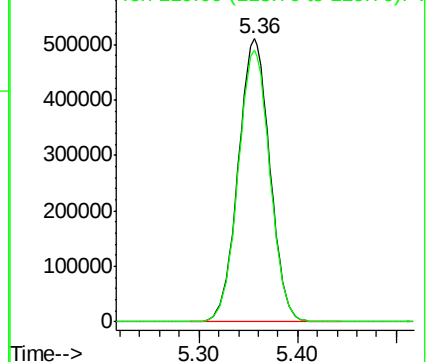
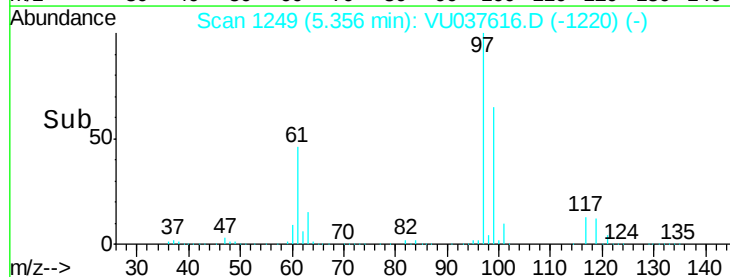
117 100

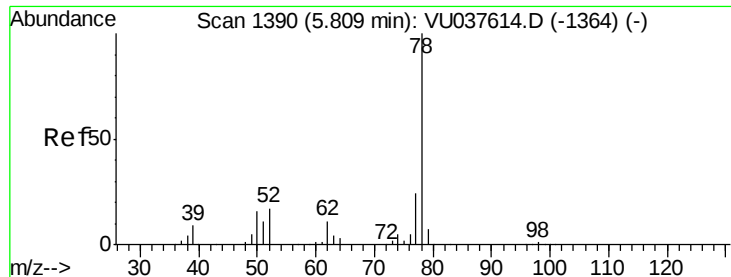
119 96.3 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): VU037616.D (-1295) (-)

Ion 119.00 (118.70 to 119.70): VU037616.D (-1295) (-)





#33

Benzene

Concen: 363.208 ug/L

RT: 5.81 min Scan# 1390

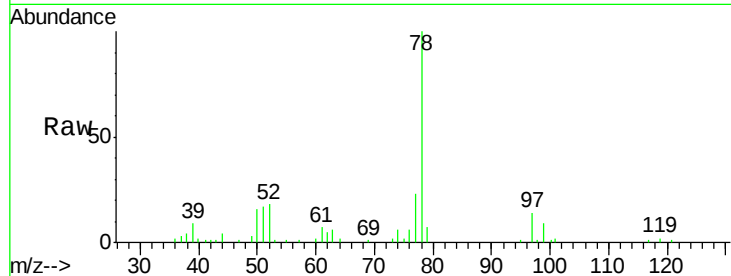
Delta R.T. 0.00 min

Lab File: VU037616.D

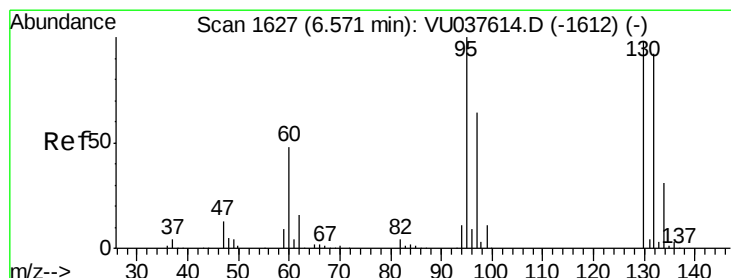
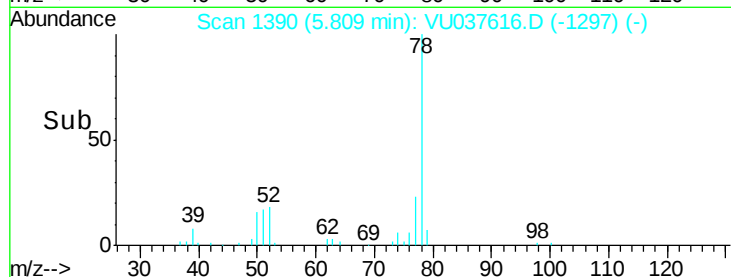
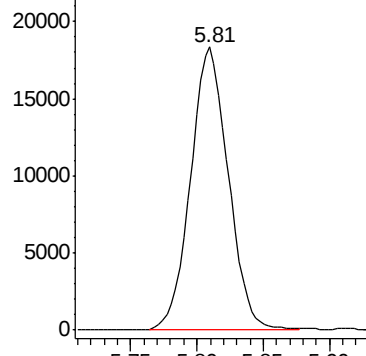
Acq: 09 Apr 2020 14:36

Instrument :
MSVOA_U
ClientSampled :
BFS79

Tgt Ion: 78 Resp: 36321



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 135.394 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Tgt Ion: 95 Resp: 3333

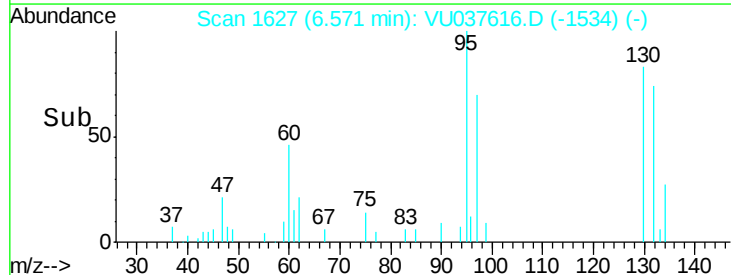
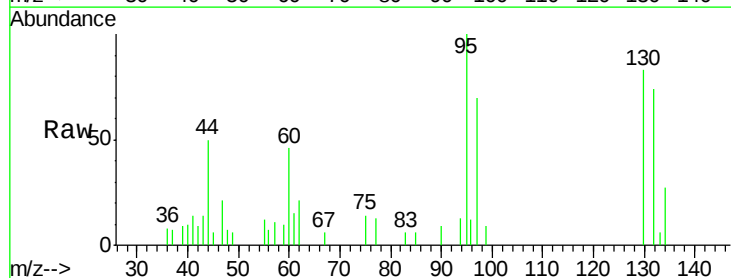
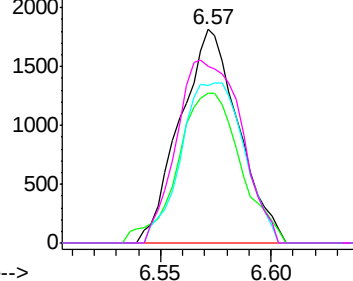
Ion	Ratio	Lower	Upper
95	100		
97	70.4	43.8	81.4
132	74.0	64.8	120.4
130	82.9	68.2	126.6

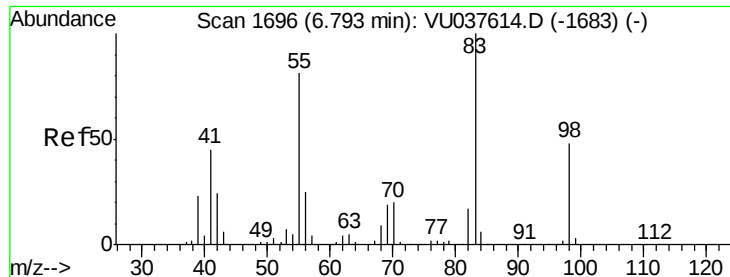
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

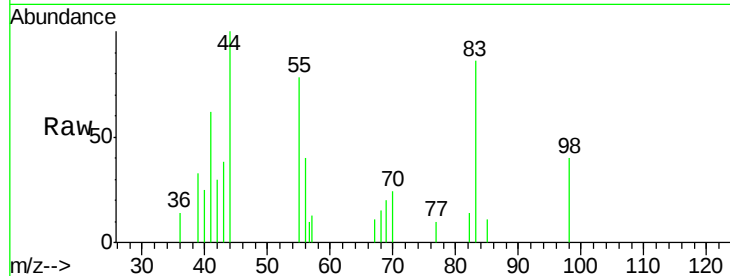




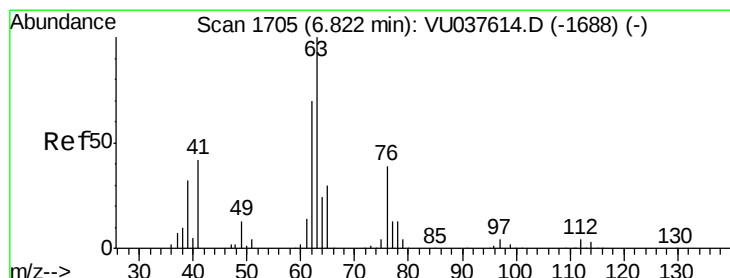
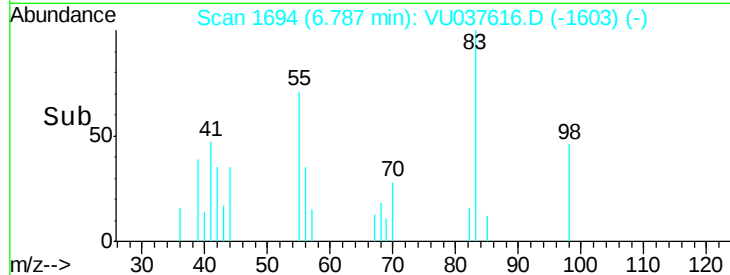
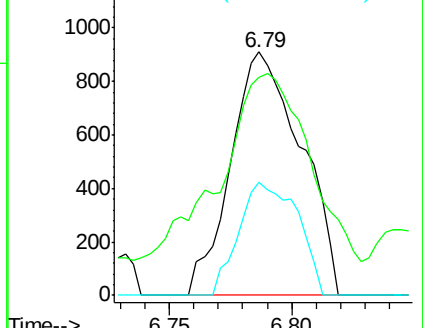
#35
Methvlcvclohexane
Concen: 41.714 ug/L
RT: 6.79 min Scan# 1694
Delta R.T. -0.01 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

Instrument :
MSVOA_U
ClientSampleId :
BFS79

Tot Ion: 83 Resp: 1822
Ion Ratio Lower Upper
83 100
55 80.6 64.6 96.8
98 39.0 38.0 57.0

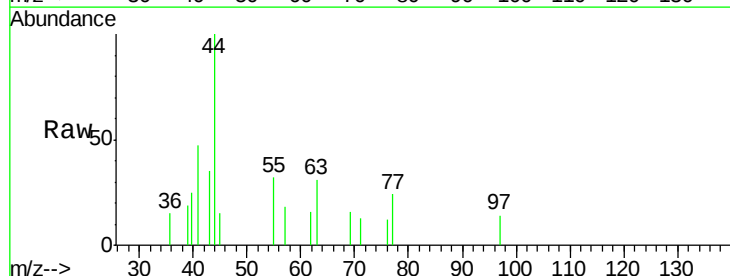


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

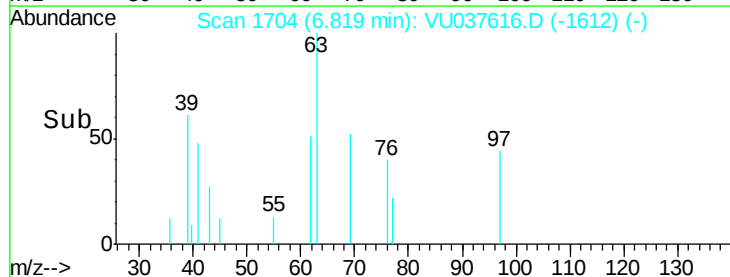
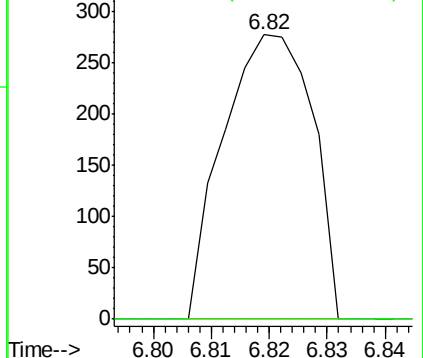


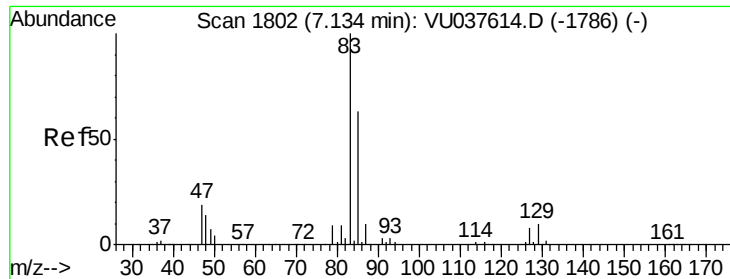
#37
1,2-Dichloropropane
Concen: 10.736 ug/L
RT: 6.82 min Scan# 1704
Delta R.T. -0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

Tgt Ion: 63 Resp: 295
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

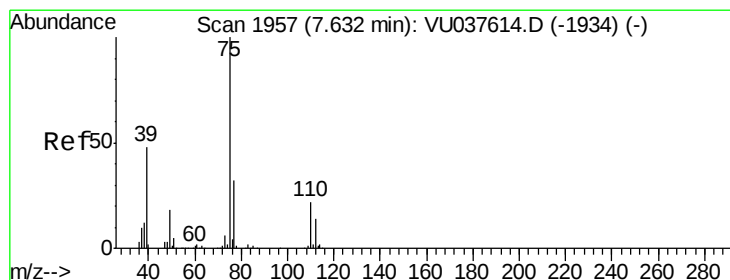
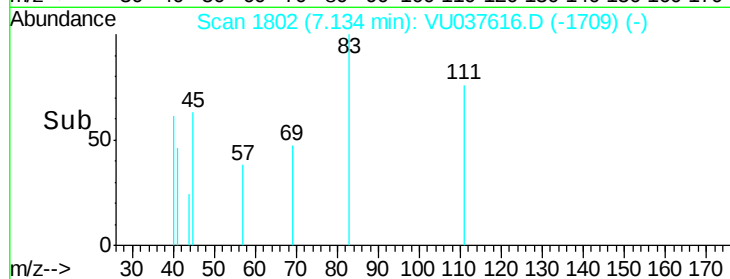
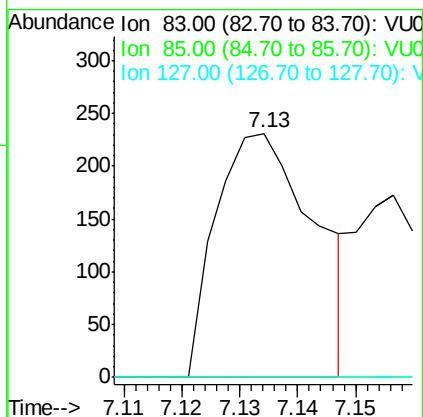
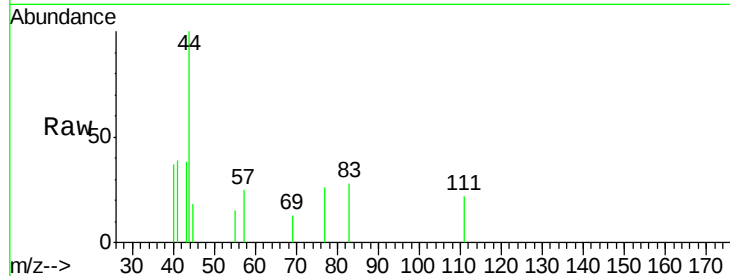




#38
 Bromodichloromethane
 Concen: 8.041 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037616.D
 Acq: 09 Apr 2020 14:36

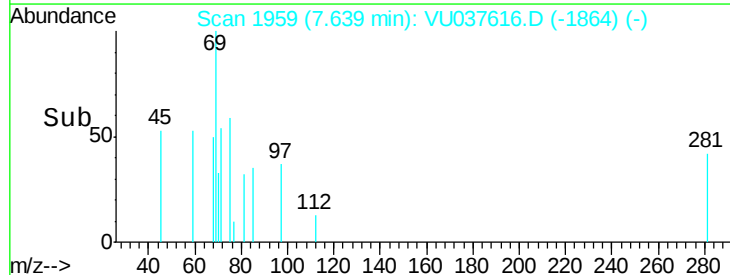
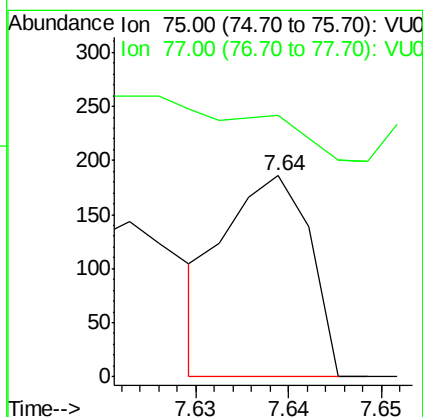
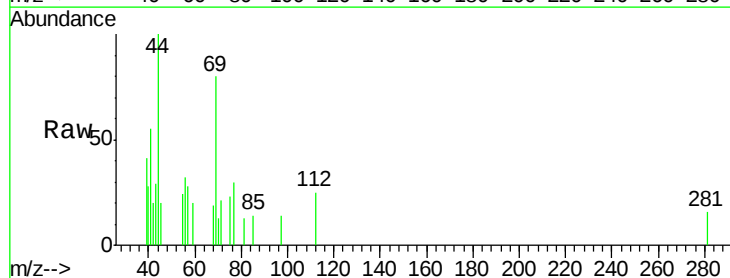
Instrument :
 MSVOA_U
 ClientSampleId :
 BFS79

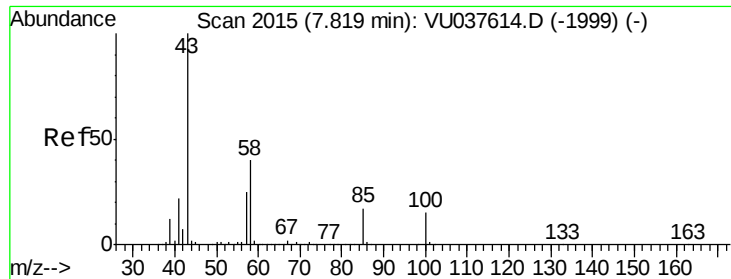
Tot Ion: 83 Resp: 272
 Ion Ratio Lower Upper
 83 100
 85 0.0 45.1 83.7#
 127 0.0 6.6 9.8#



#39
 cis-1,3-Dichloropropene
 Concen: 2.646 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: VU037616.D
 Acq: 09 Apr 2020 14:36

Tgt Ion: 75 Resp: 119
 Ion Ratio Lower Upper
 75 100
 77 130.1 22.1 41.1#

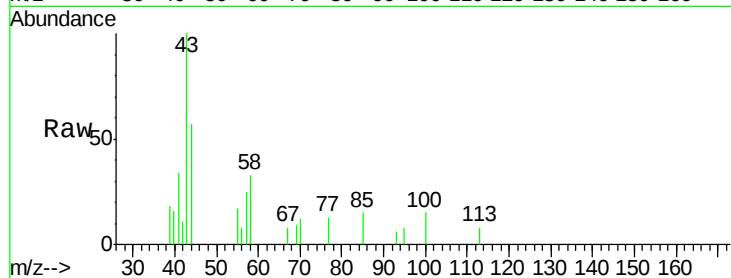




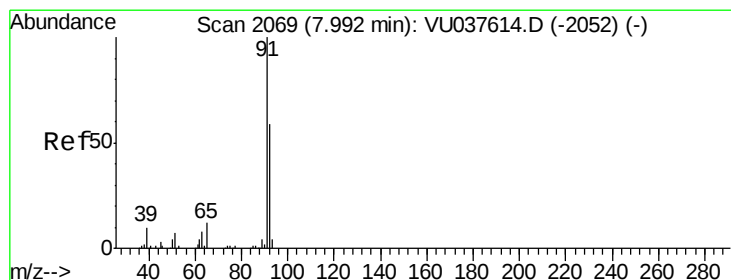
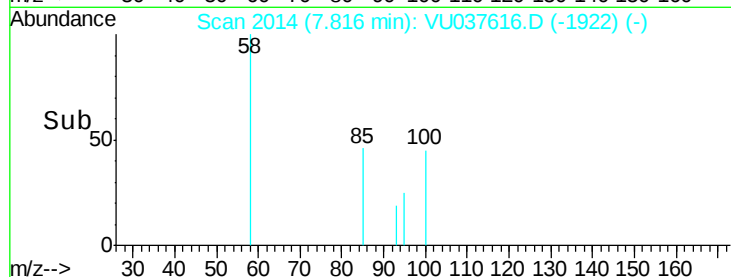
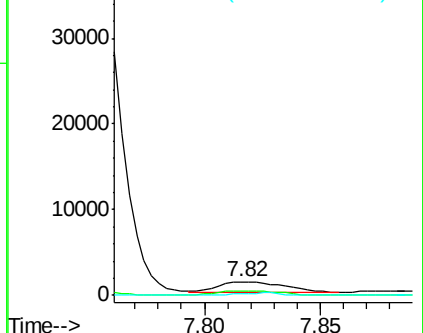
#40
4-Methyl-2-pentanone
Concen: 49.344 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

Instrument :
MSVOA_U
ClientSampled :
BFS79

Tot Ion: 43 Resp: 2408
Ion Ratio Lower Upper
43 100
58 41.9 31.5 47.3
100 14.3 12.0 18.0

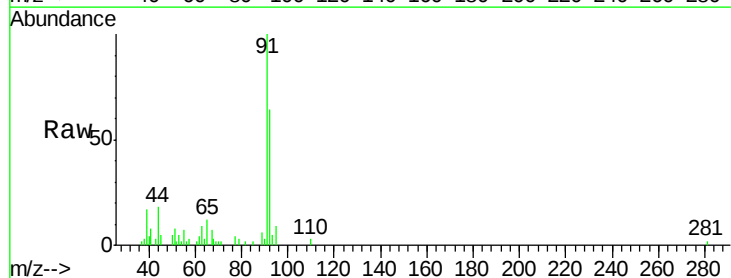


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

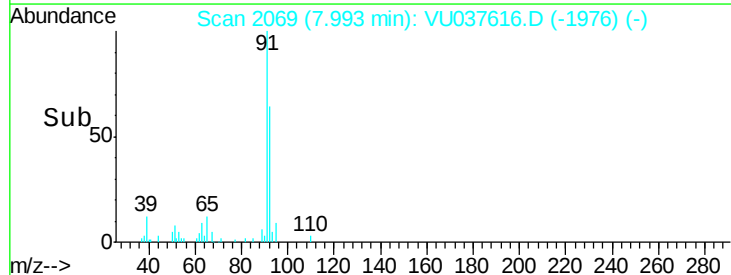
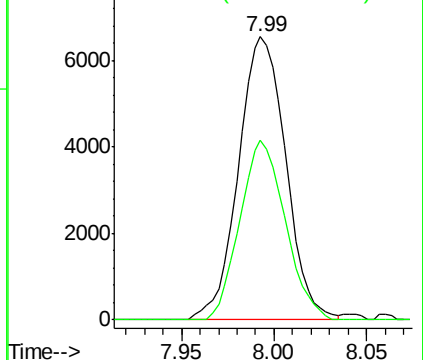


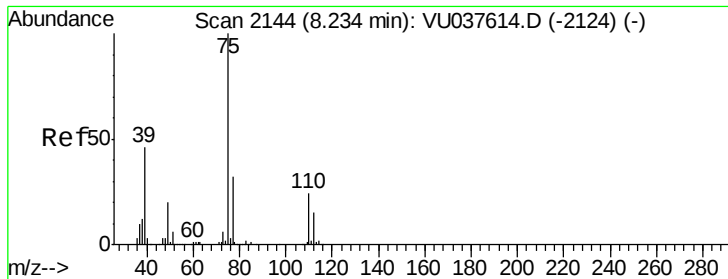
#42
Toluene
Concen: 109.189 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. 0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

Tgt Ion: 91 Resp: 11599
Ion Ratio Lower Upper
91 100
92 63.5 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 11.836 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

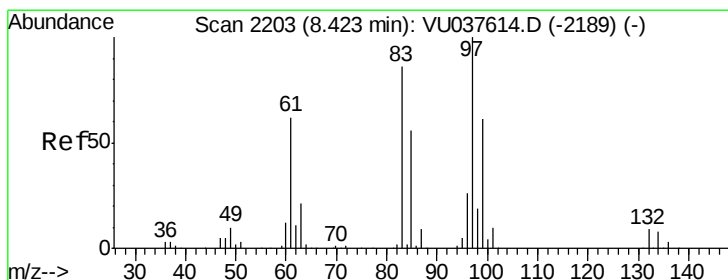
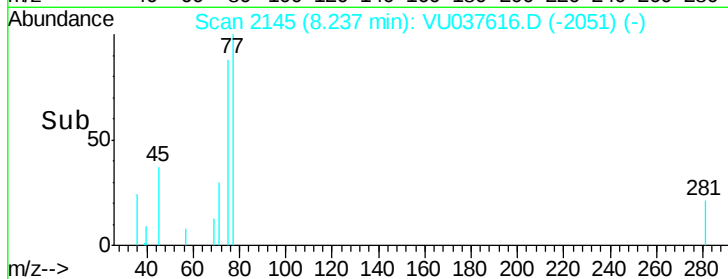
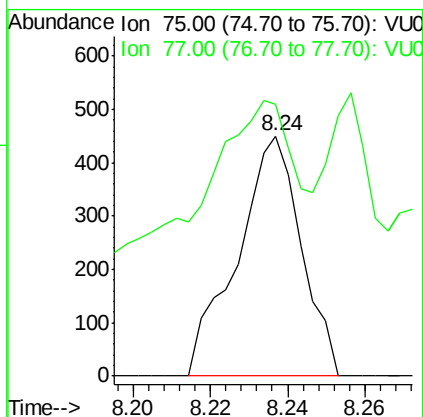
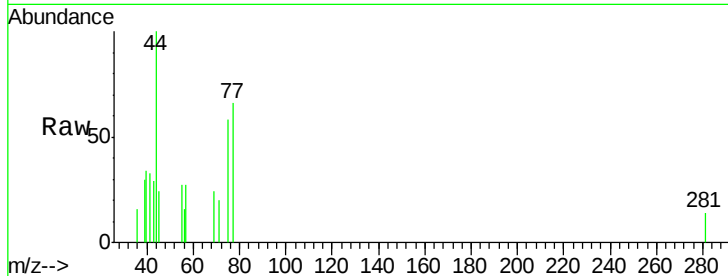
BFS79

Tot Ion: 75 Resp: 516

Ion Ratio Lower Upper

75 100

77 113.1 22.7 42.1#



#45

1,1,2-Trichloroethane

Concen: 126.850 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Tgt Ion: 97 Resp: 3110

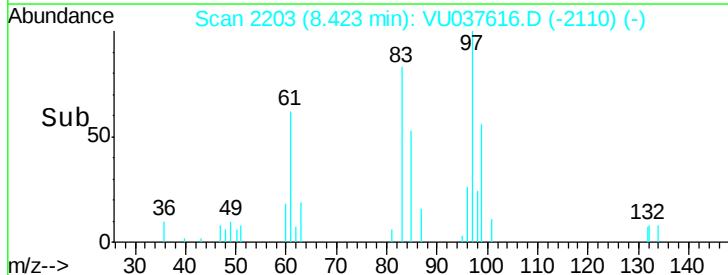
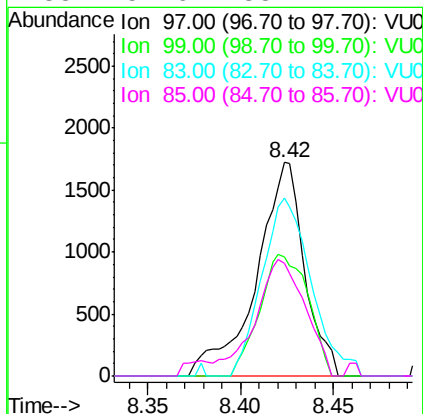
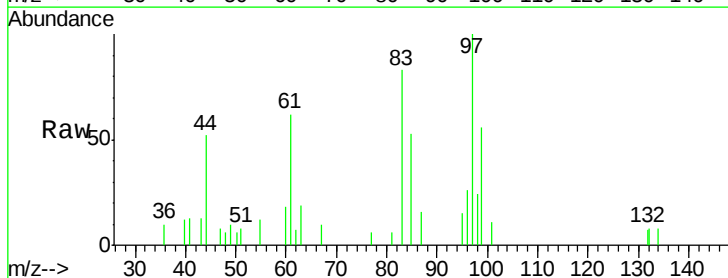
Ion Ratio Lower Upper

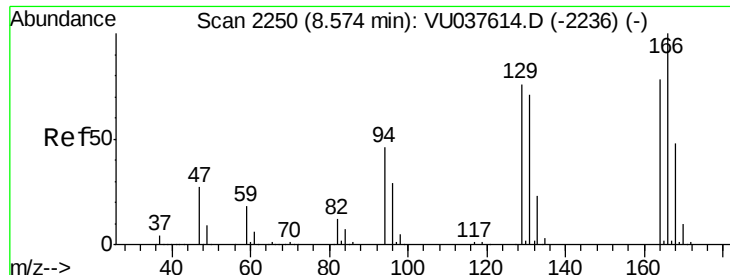
97 100

99 55.6 43.6 81.0

83 83.1 61.2 113.8

85 52.6 38.4 71.4





#46

Tetrachloroethene

Concen: 80.477 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

BFS79

Tot Ion:164 Resp: 1474

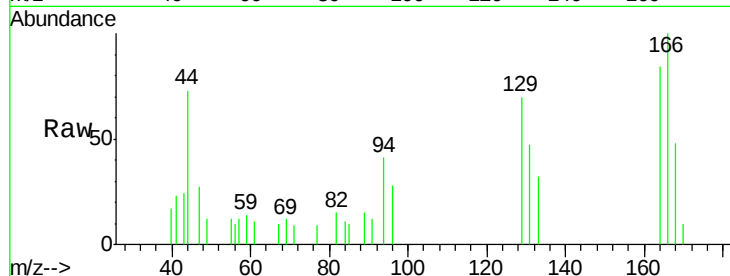
Ion Ratio Lower Upper

164 100

129 83.9 68.0 126.2

131 56.3 65.8 122.2#

166 119.1 92.0 170.9

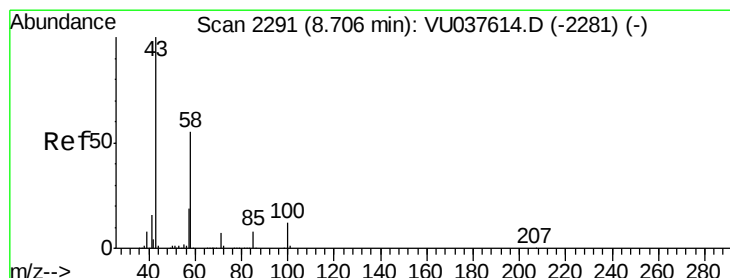
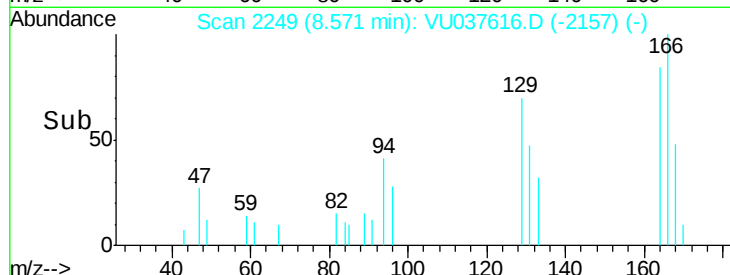
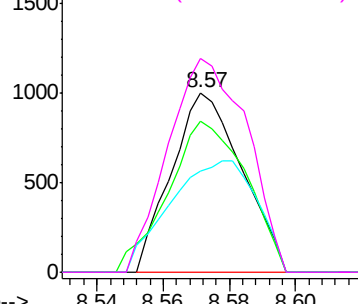


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 34.827 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Tgt Ion: 43 Resp: 1342

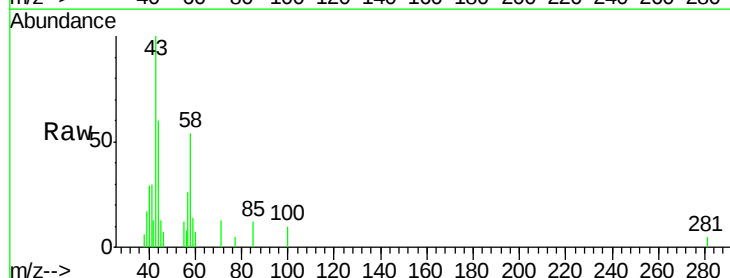
Ion Ratio Lower Upper

43 100

58 173.7 44.0 66.0#

57 42.3 15.2 22.8#

100 23.3 9.4 14.0#

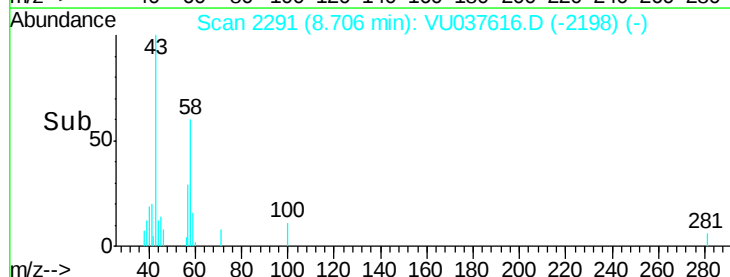
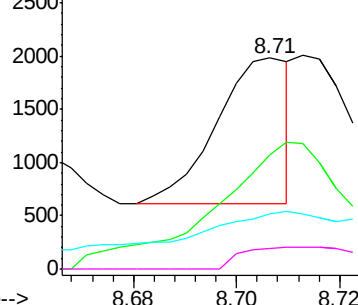


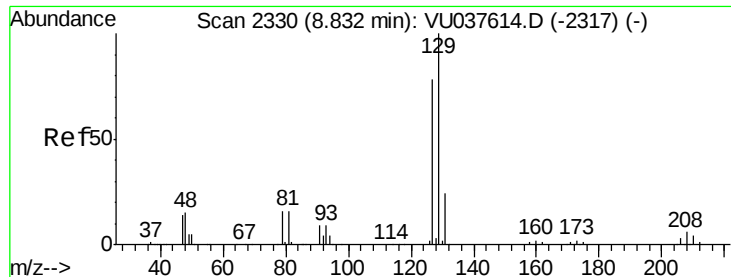
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 52.452 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

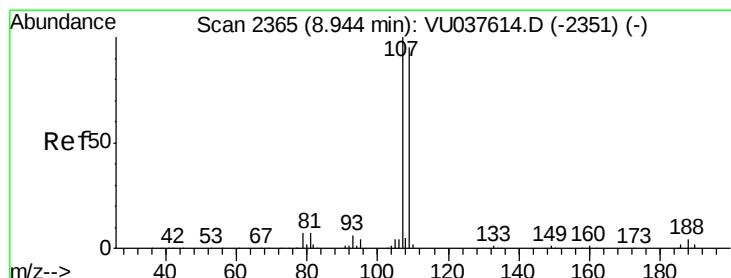
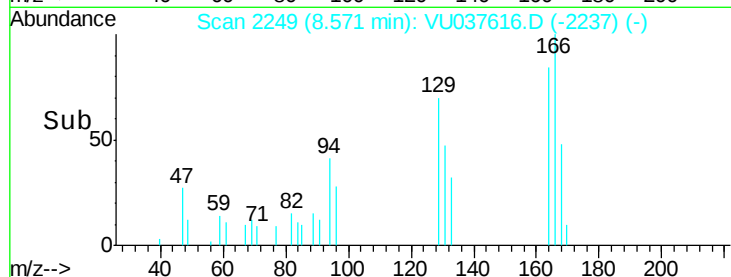
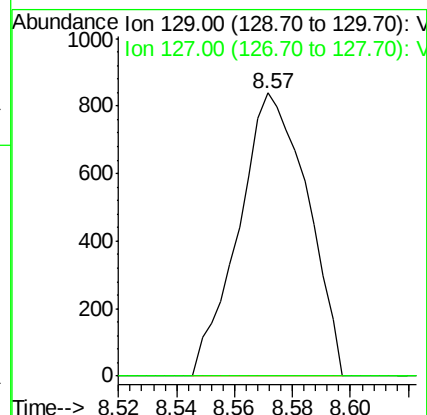
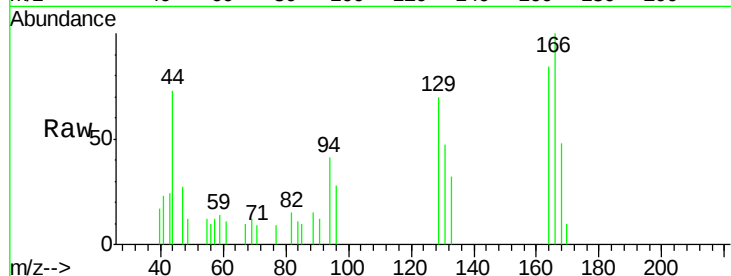
BFS79

Tot Ion:129 Resp: 1379

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#50

1,2-Dibromoethane

Concen: 2.300 ug/L

RT: 8.94 min Scan# 2364

Delta R.T. -0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

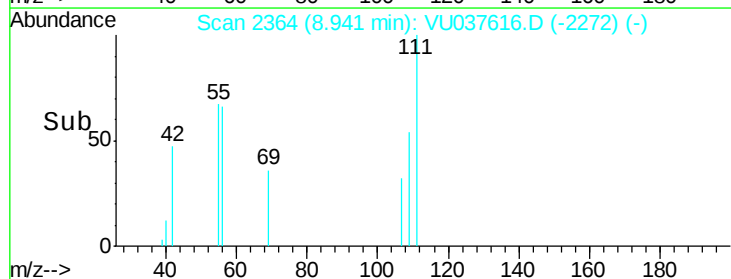
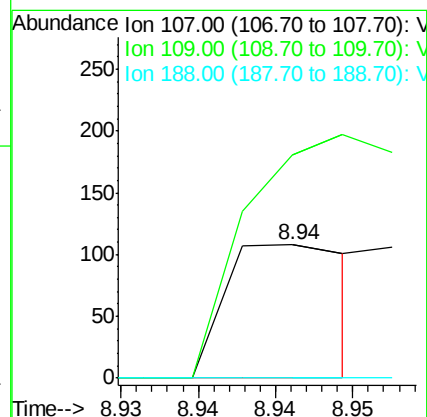
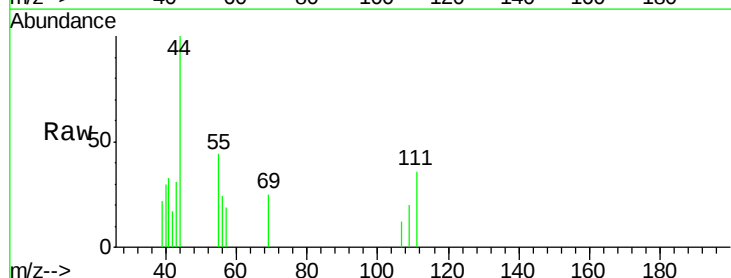
Tgt Ion:107 Resp: 61

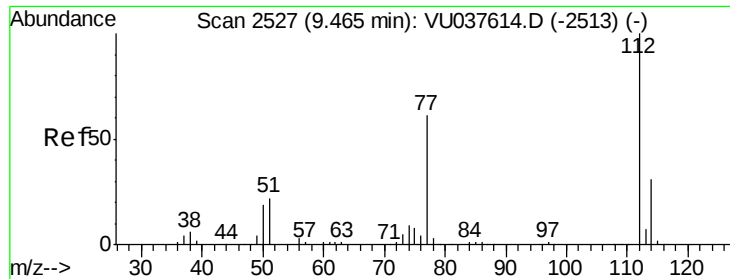
Ion Ratio Lower Upper

107 100

109 167.6 67.3 125.1#

188 0.0 2.9 4.3#

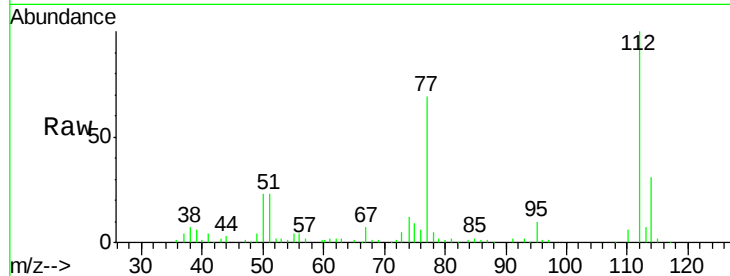




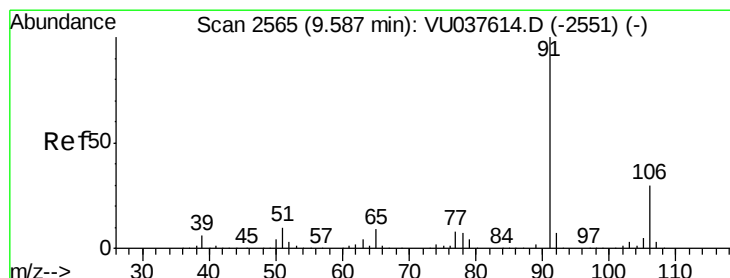
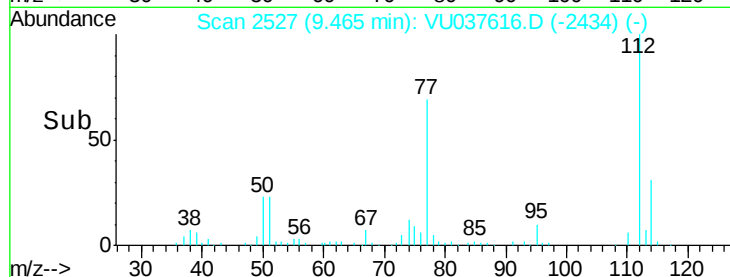
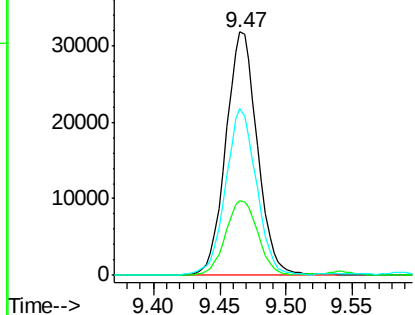
#51
Chlorobenzene
Concen: 792.805 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

Instrument :
MSVOA_U
ClientSampleId :
BFS79

Tot Ion:112 Resp: 52595
Ion Ratio Lower Upper
112 100
114 30.5 22.4 41.6
77 68.7 49.2 73.8

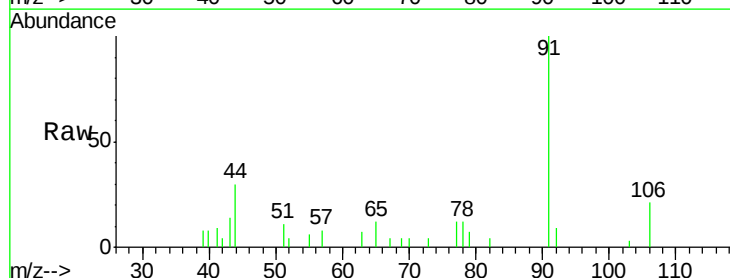


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

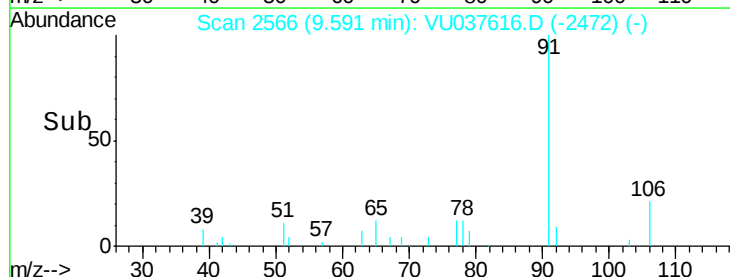
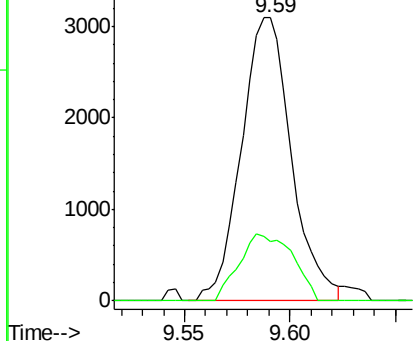


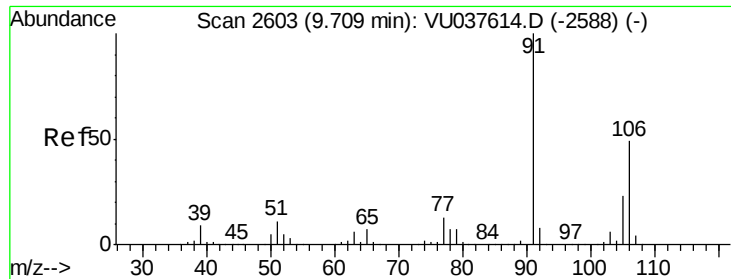
#52
Ethylbenzene
Concen: 42.863 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

Tgt Ion: 91 Resp: 5105
Ion Ratio Lower Upper
91 100
106 20.9 21.6 40.0#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 79.251 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

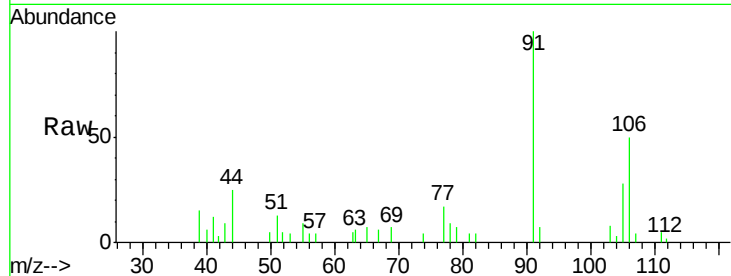
BFS79

Tot Ion:106 Resp: 3584

Ion Ratio Lower Upper

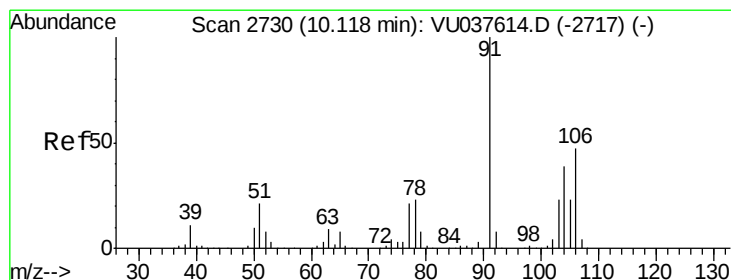
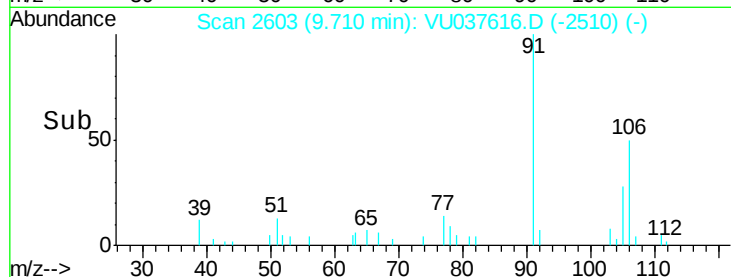
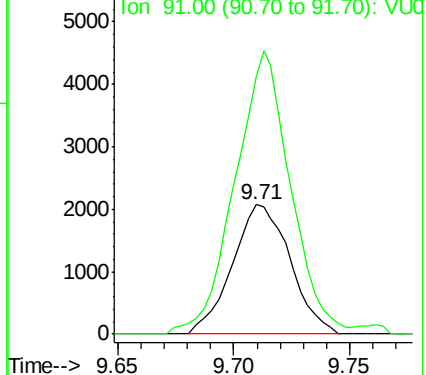
106 100

91 199.2 140.8 261.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 64.279 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037616.D

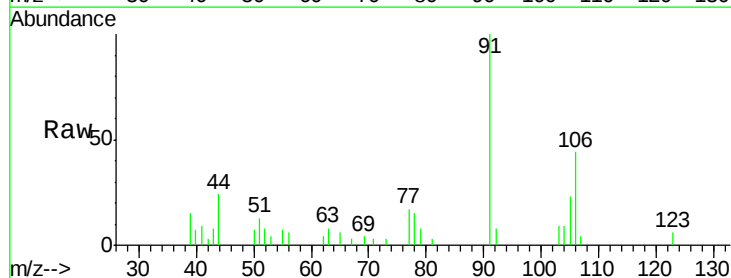
Acq: 09 Apr 2020 14:36

Tgt Ion:106 Resp: 2883

Ion Ratio Lower Upper

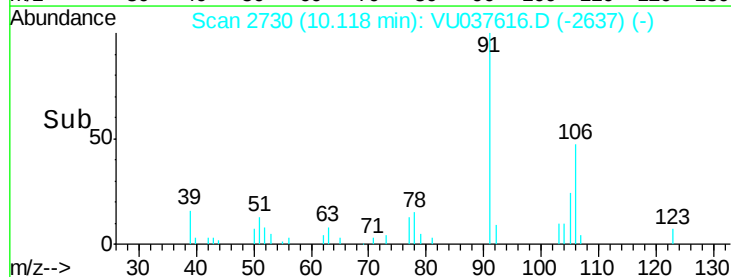
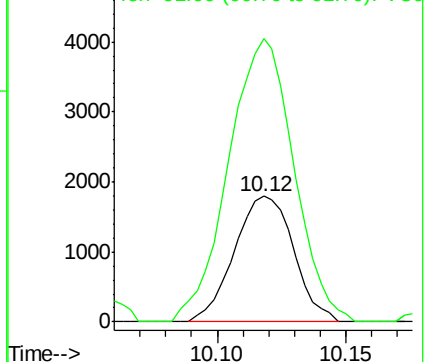
106 100

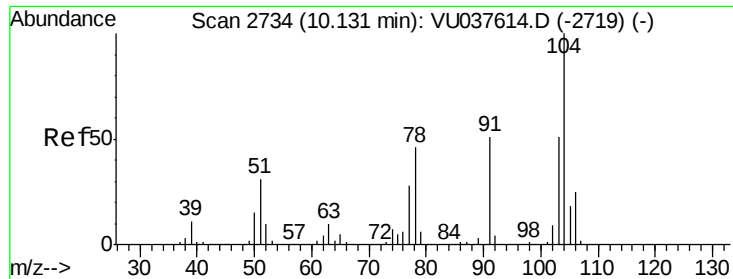
91 225.2 151.1 280.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

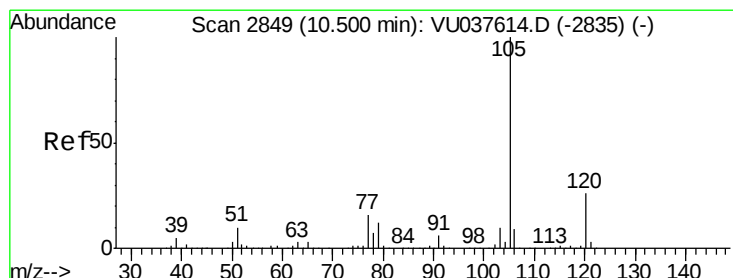
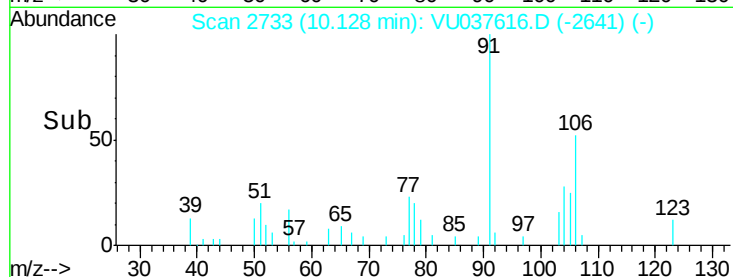
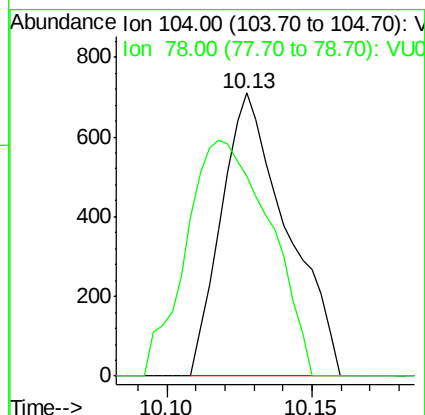
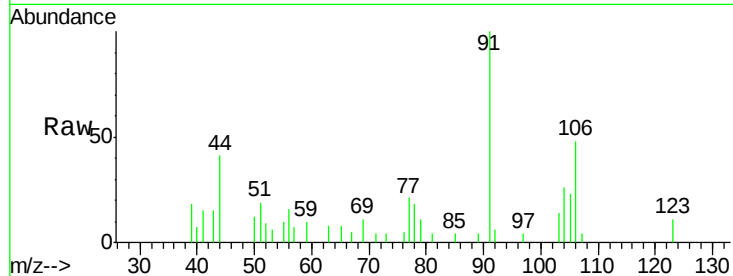




#55
Stvrene
Concen: 14.364 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

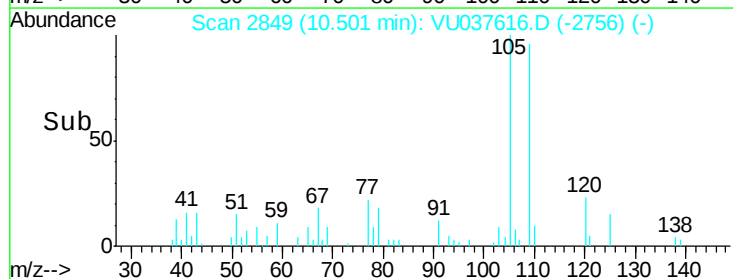
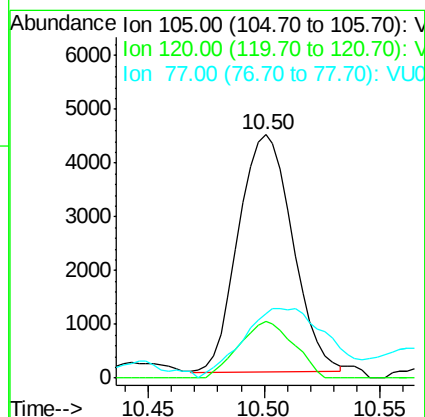
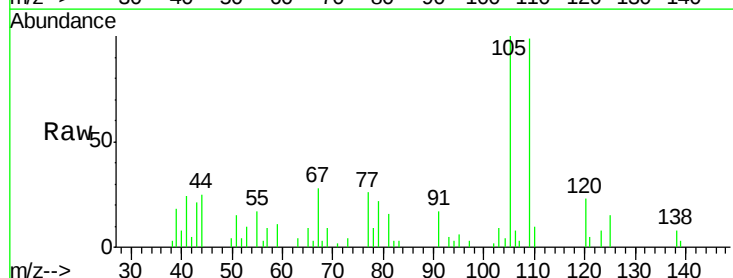
Instrument :
MSVOA_U
ClientSampled :
BFS79

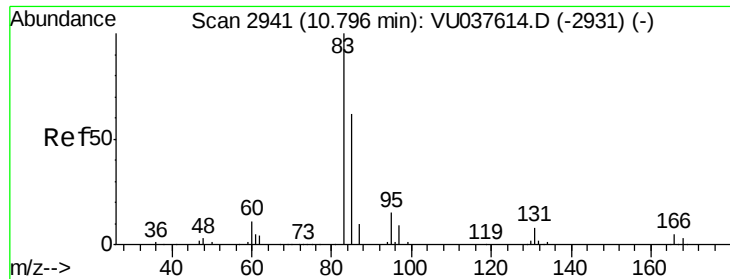
Tot Ion:104 Resp: 1117
Ion Ratio Lower Upper
104 100
78 70.7 32.0 59.4#



#56
Isopropylbenzene
Concen: 61.635 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VU037616.D
Acq: 09 Apr 2020 14:36

Tgt Ion:105 Resp: 7198
Ion Ratio Lower Upper
105 100
120 24.2 20.7 31.1
77 25.0 12.7 19.1#





#58

1,1,2,2-Tetrachloroethane

Concen: 59.436 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampled :

BFS79

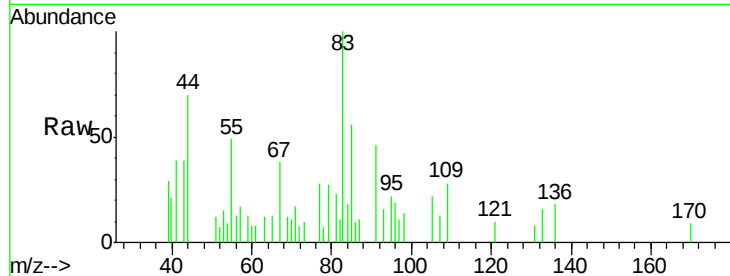
Tot Ion: 83 Resp: 2602

Ion Ratio Lower Upper

83 100

85 55.6 44.2 82.2

131 8.4 7.6 11.4

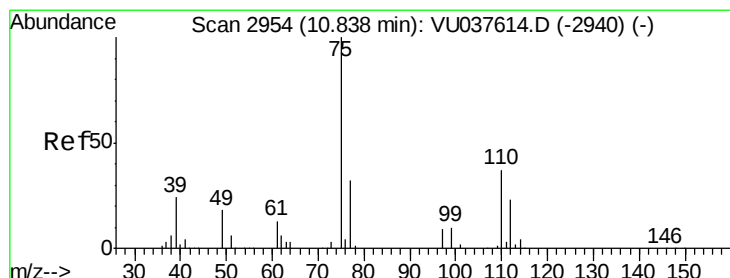
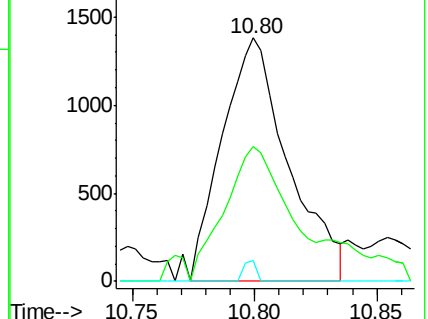
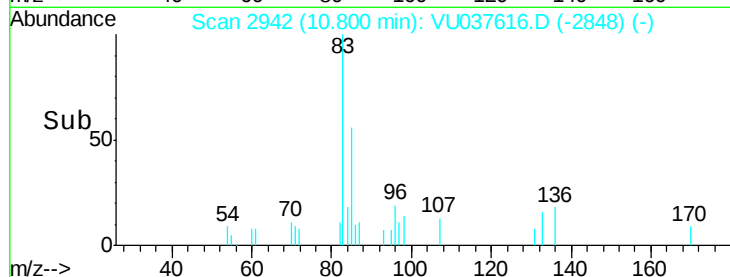


Abundance Ion 83.00 (82.70 to 83.70): VU037616.D (-2942) (-)

Ion 85.00 (84.70 to 85.70): VU037616.D (-2942) (-)

Ion 131.00 (130.70 to 131.70): VU037616.D (-2942) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 8.064 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU037616.D

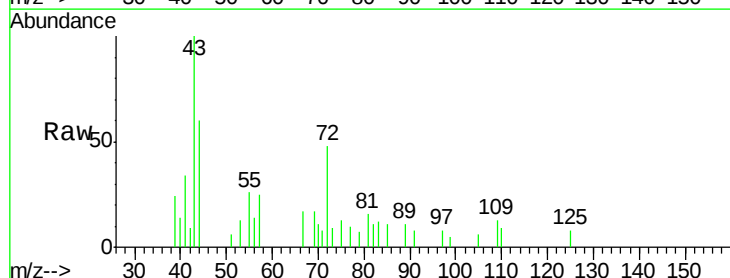
Acq: 09 Apr 2020 14:36

Tgt Ion: 75 Resp: 301

Ion Ratio Lower Upper

75 100

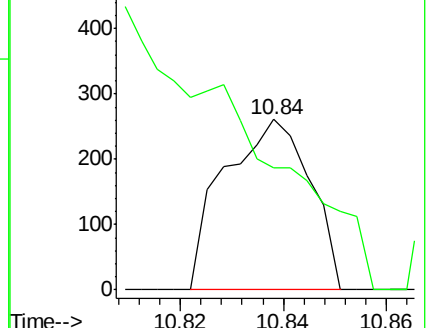
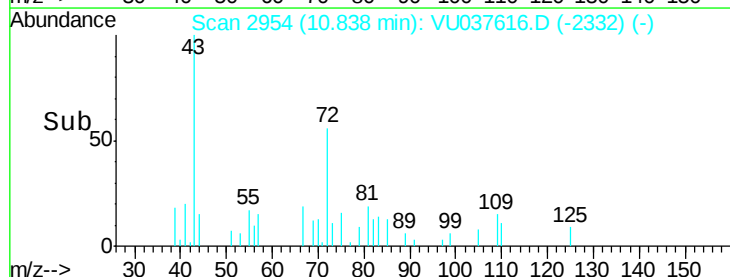
77 281.4 25.6 38.4#

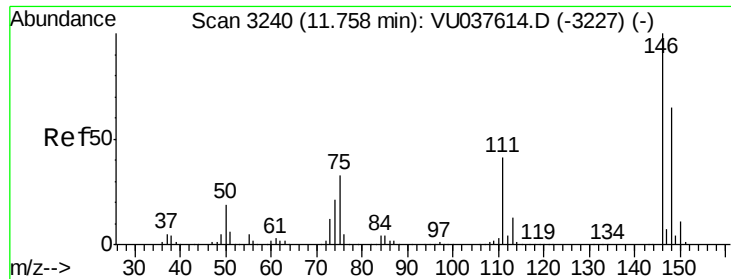


Abundance Ion 75.00 (74.70 to 75.70): VU037616.D (-2954) (-)

Ion 77.00 (76.70 to 77.70): VU037616.D (-2954) (-)

Time-->

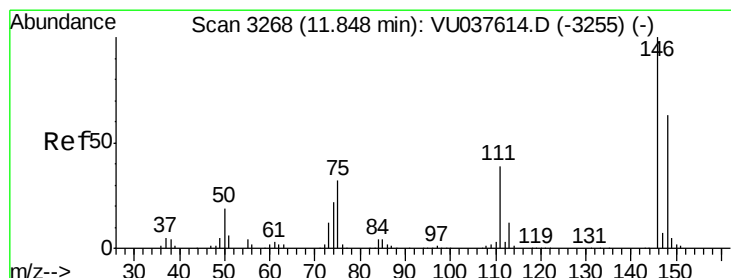
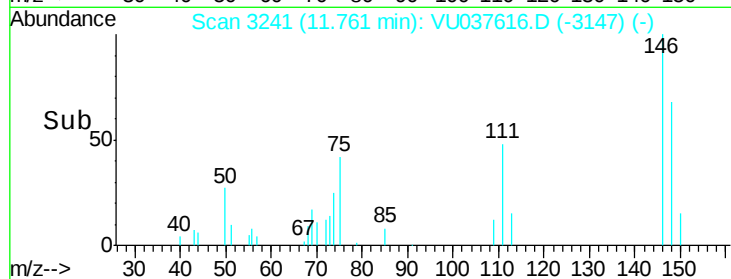
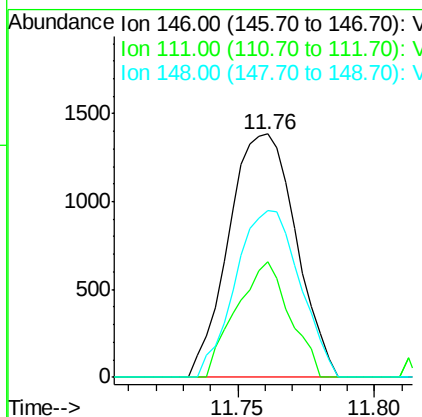
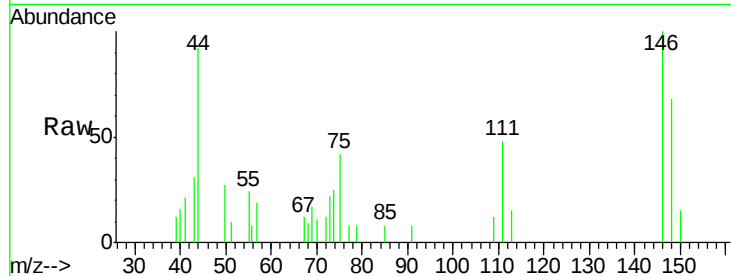




#62
 1,3-Dichlorobenzene
 Concen: 17.114 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037616.D
 Acq: 09 Apr 2020 14:36

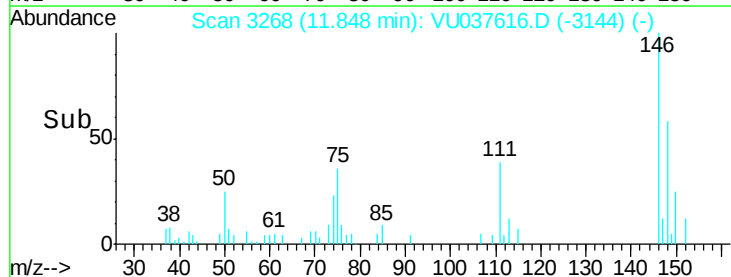
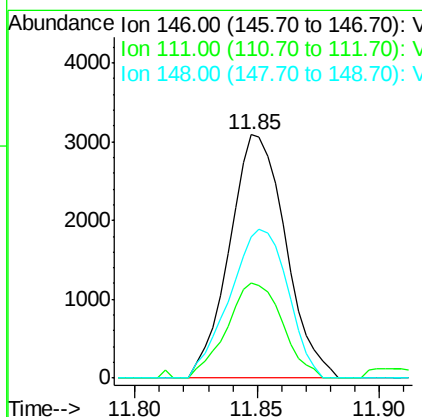
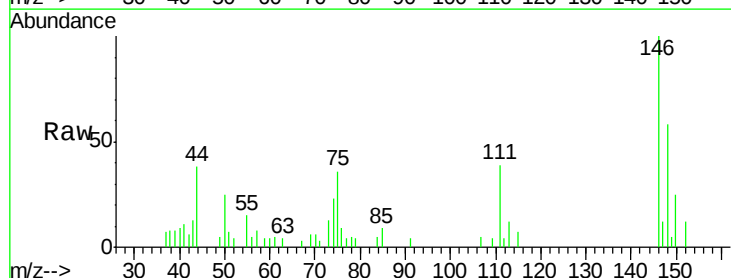
Instrument :
 MSVOA_U
 ClientSampleId :
 BFS79

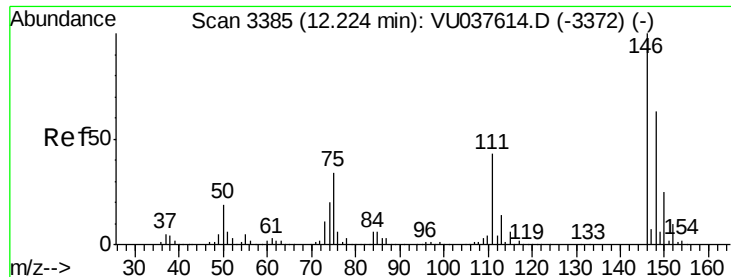
Tot Ion:146 Resp: 2371
 Ion Ratio Lower Upper
 146 100
 111 47.5 28.6 53.0
 148 68.3 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 35.511 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU037616.D
 Acq: 09 Apr 2020 14:36

Tgt Ion:146 Resp: 4936
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.2 50.6
 148 58.1 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 135.544 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

BFS79

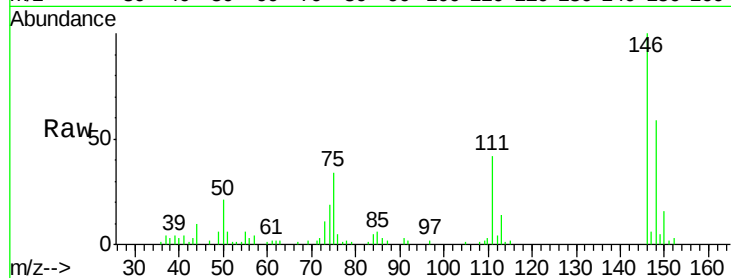
Tot Ion:146 Resp: 18506

Ion Ratio Lower Upper

146 100

111 42.1 34.2 51.4

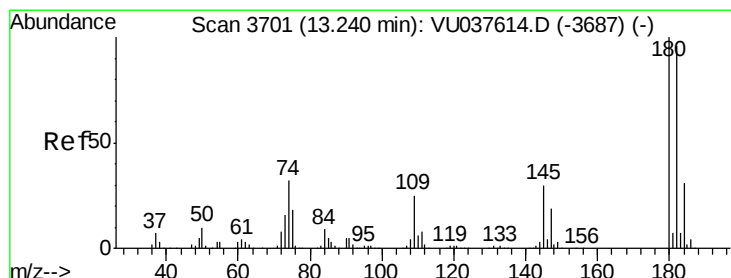
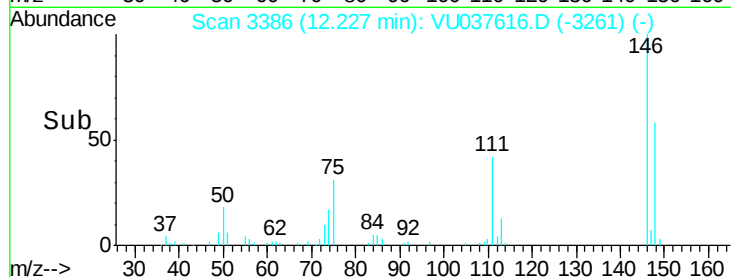
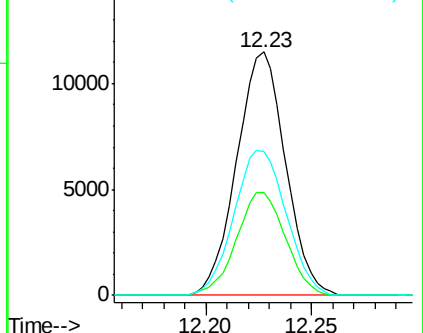
148 59.0 50.9 76.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 15.647 ug/L

RT: 13.24 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Tgt Ion:180 Resp: 1585

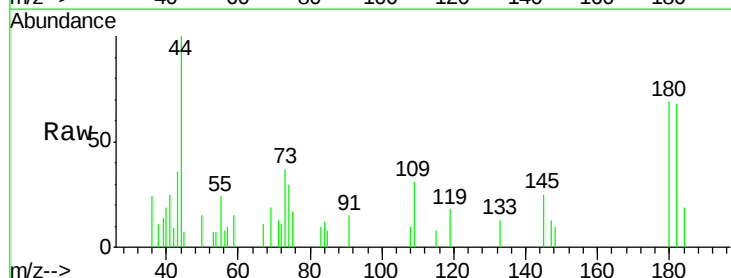
Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.4

184 30.7 24.7 37.1

145 29.8 23.8 35.6

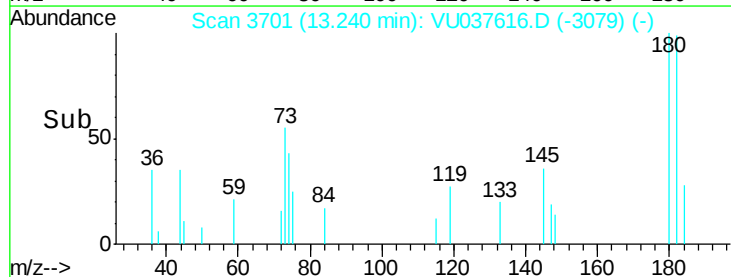
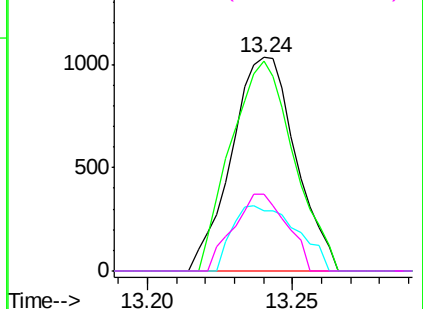


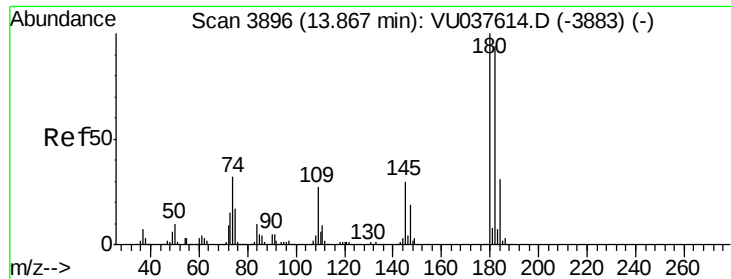
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#68

1,2,4-trichlorobenzene

Concen: 23.439 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

BFS79

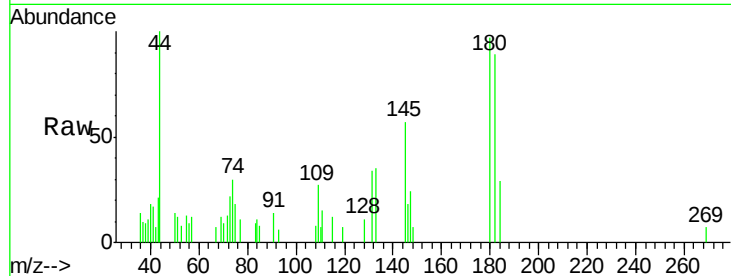
Tot Ion:180 Resp: 2290

Ion Ratio Lower Upper

180 100

182 99.4 76.5 114.7

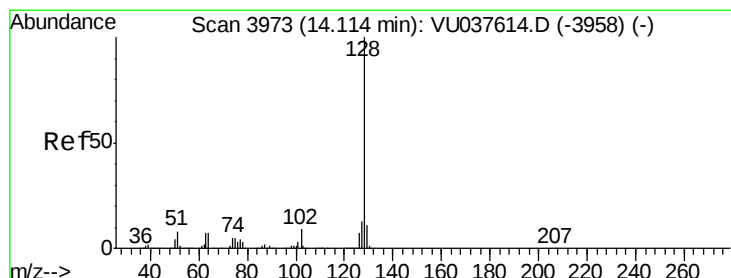
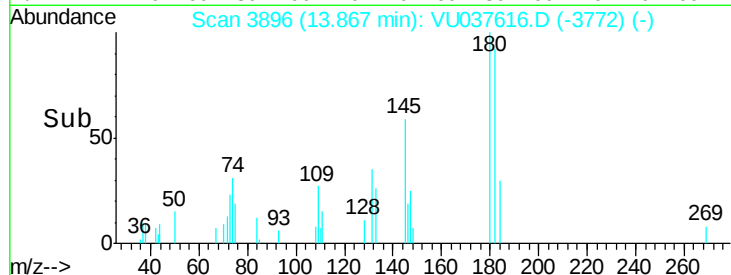
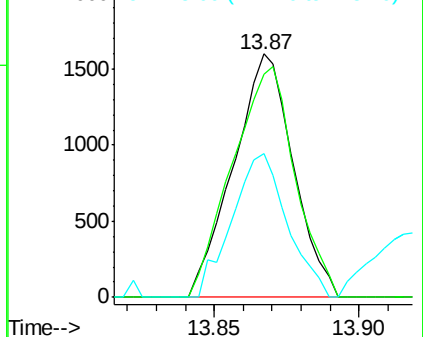
145 54.5 23.8 35.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 40.136 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037616.D

Acq: 09 Apr 2020 14:36

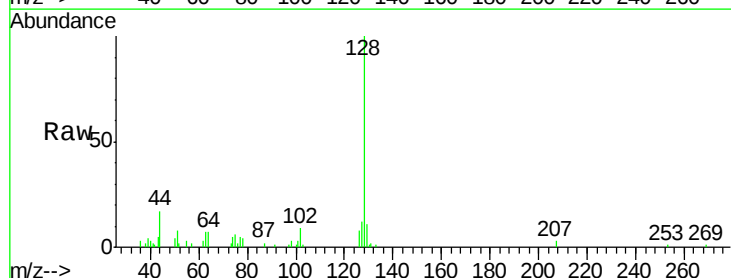
Tgt Ion:128 Resp: 14469

Ion Ratio Lower Upper

128 100

127 14.7 10.5 15.7

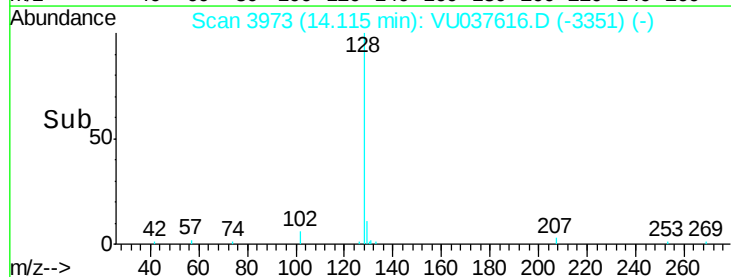
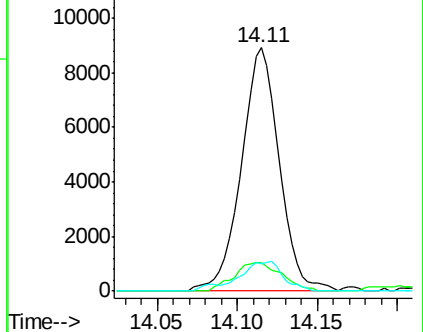
129 4.4 8.6 13.0#

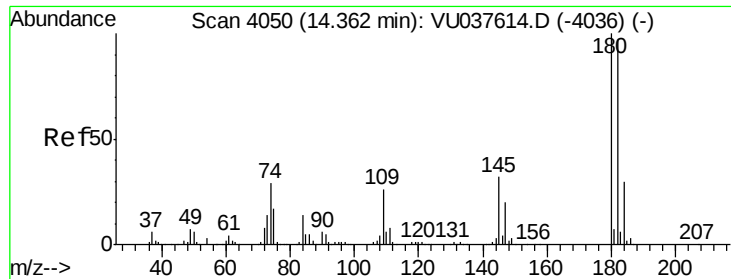


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 21.757 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. 0.00 min
 Lab File: VU037616.D
 Acq: 09 Apr 2020 14:36

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS79

Tot Ion:180 Resp: 2118
 Ion Ratio Lower Upper
 180 100
 182 100.0 75.6 113.4
 145 115.7 25.8 38.8#

