

Data File : VU036122.D
Acq On : 11 Dec 2019 10:02
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Quant Time: Dec 12 06:08:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 11 17:05:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	327566	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	348777	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	174734	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	151738	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.93	69	140318	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.59	63	221275	4.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.80%
20) 2-Butanone-d5	4.70	46	261017	52.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.92%
24) Chloroform-d	5.11	84	237908	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.75	65	114600	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.77	84	450352	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.73	67	138907	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.93	98	422611	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	8.21	79	55198	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.67	63	221279	55.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.22%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	123126	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	150926	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	152928	4.749 ug/L	98
3) Chloromethane	1.54	50	169871	5.403 ug/L	98
5) Vinyl chloride	1.62	62	192301	5.863 ug/L	99
6) Bromomethane	1.87	94	106549	4.042 ug/L	97
8) Chloroethane	1.95	64	120581	4.832 ug/L	99
9) Trichlorofluoromethane	2.16	101	257961	4.517 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	128958	4.069 ug/L	98
12) 1,1-Dichloroethene	2.60	96	119593	4.196 ug/L #	83
13) Acetone	2.68	43	213384	33.787 ug/L	99
14) Carbon disulfide	2.82	76	366577	4.490 ug/L	99
15) Methyl Acetate	3.00	43	43267	4.640 ug/L	100
16) Methylene chloride	3.08	84	143801	4.345 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	235402	4.798 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	118012	4.851 ug/L	98
19) 1,1-Dichloroethane	3.92	63	227636	5.214 ug/L	99
21) 2-Butanone	4.78	43	303573	48.024 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	126745	4.965 ug/L	99

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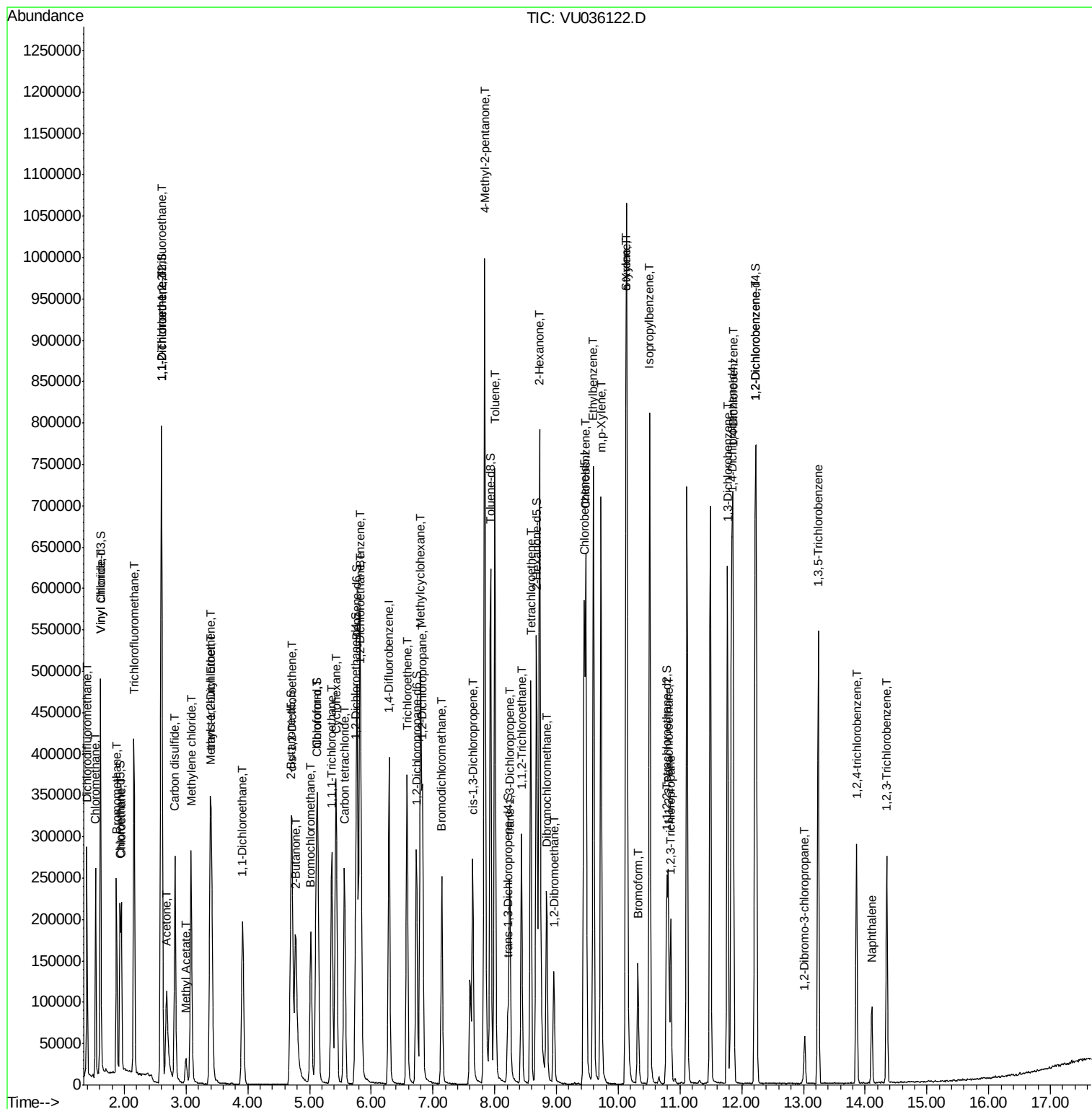
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	63759	4.831	ug/L	89
25) Chloroform	5.13	83	242988	4.994	ug/L	98
27) 1,2-Dichloroethane	5.84	62	147409	5.128	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	198578	5.051	ug/L	100
30) Cyclohexane	5.43	56	160767	5.209	ug/L	98
31) Carbon tetrachloride	5.57	117	183357	5.158	ug/L	98
33) Benzene	5.82	78	517054	5.424	ug/L	100
34) Trichloroethene	6.58	95	128599	5.081	ug/L	96
35) Methylcyclohexane	6.80	83	173511	5.110	ug/L	98
37) 1,2-Dichloropropane	6.83	63	130575	5.461	ug/L	98
38) Bromodichloromethane	7.14	83	165888	5.162	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	167456	5.153	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	661423	52.959	ug/L	99
42) Toluene	8.00	91	555616	5.435	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	148326	5.280	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	97589	5.184	ug/L	95
47) Tetrachloroethene	8.58	164	117919	4.901	ug/L	96
48) 2-Hexanone	8.73	43	530479	59.208	ug/L	98
49) Dibromochloromethane	8.84	129	118764	4.753	ug/L	98
50) 1,2-Dibromoethane	8.96	107	91760	5.041	ug/L	97
51) Chlorobenzene	9.47	112	349783	4.909	ug/L	99
52) Ethylbenzene	9.60	91	524868	4.901	ug/L	100
53) m,p-Xylene	9.72	106	212511	4.983	ug/L	98
54) o-Xylene	10.13	106	197981	4.943	ug/L	94
55) Styrene	10.14	104	347289	5.057	ug/L	98
56) Isopropylbenzene	10.51	105	511414	4.840	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	121429	4.879	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	86030	5.033	ug/L	98
61) Bromoform	10.32	173	70719	4.067	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	280643	4.910	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	276586	4.912	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	261316	4.627	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	15944	4.494	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	179673	4.640	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	93653	4.554	ug/L	99
69) Naphthalene	14.11	128	73541	3.716	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	88788	4.503	ug/L	99

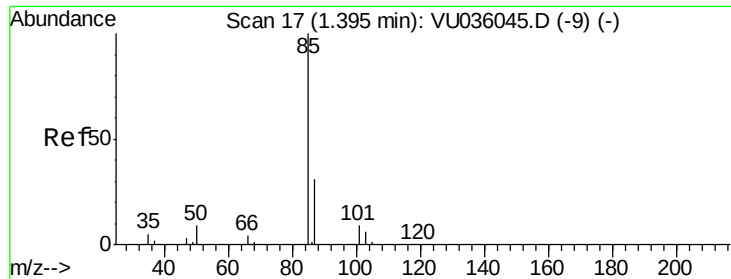
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.749 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

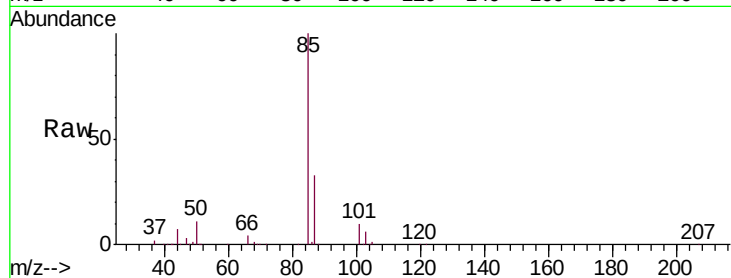
BFB

Tgt Ion: 85 Resp: 152928

Ion Ratio Lower Upper

85 100

87 32.6 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036122.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036122.D (-1) (-)

1.39

150000

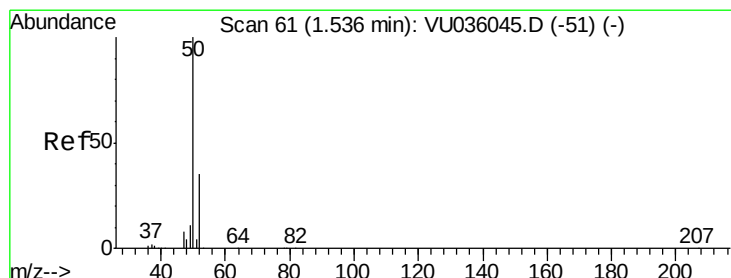
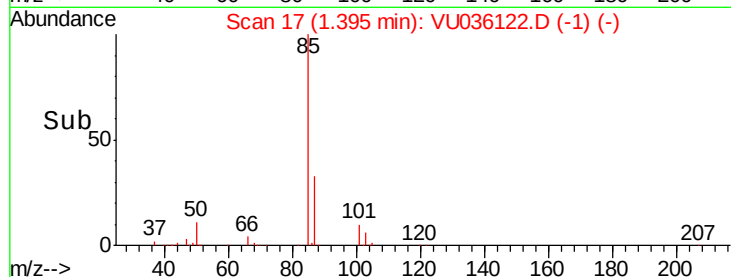
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 5.403 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036122.D

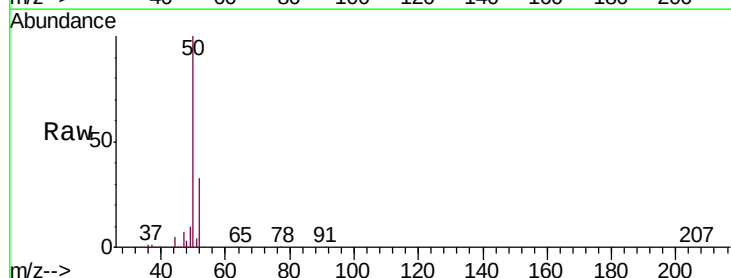
Acq: 11 Dec 2019 10:02

Tgt Ion: 50 Resp: 169871

Ion Ratio Lower Upper

50 100

52 32.8 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036122.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036122.D (-1) (-)

1.54

150000

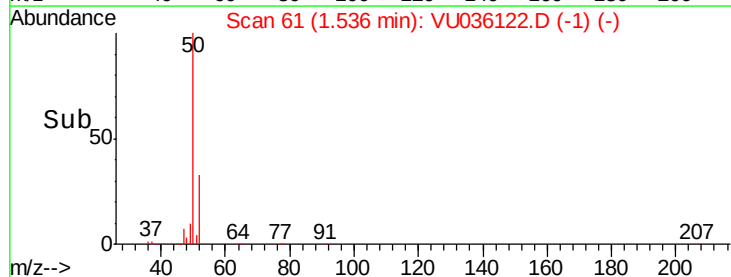
100000

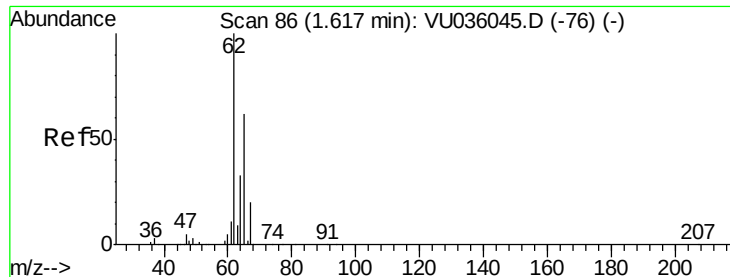
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 5.863 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

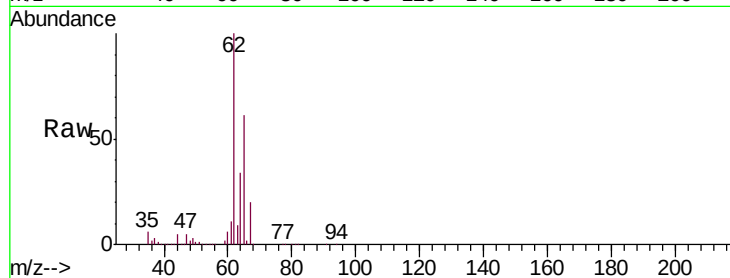
BFB

Tgt Ion: 62 Resp: 192301

Ion Ratio Lower Upper

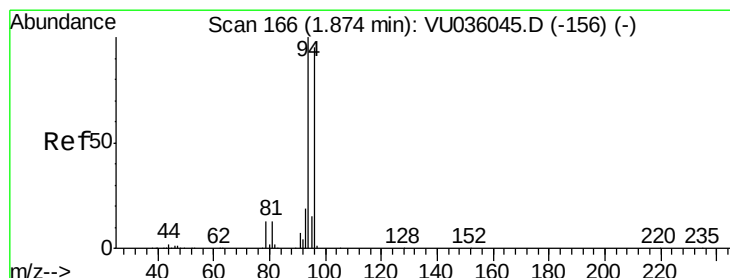
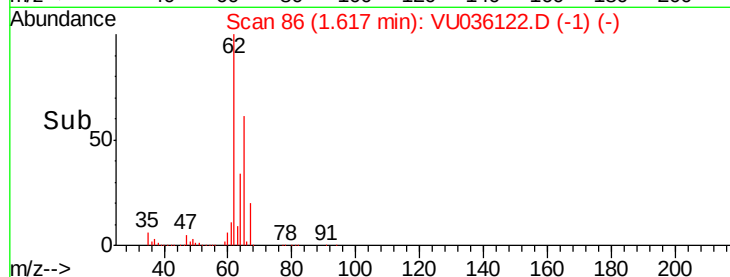
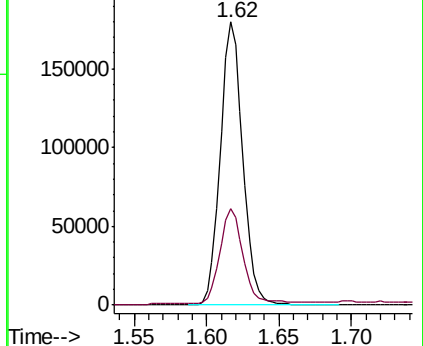
62 100

64 33.9 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU036045.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU036045.D (-76) (-)



#6

Bromomethane

Concen: 4.042 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036122.D

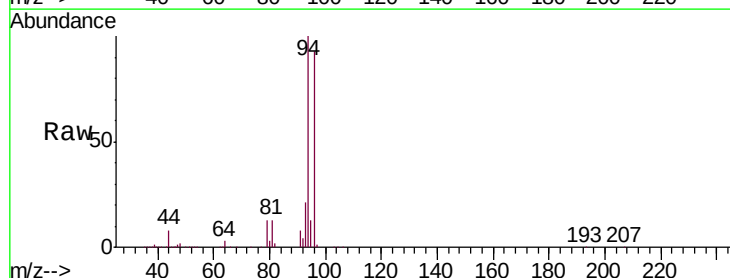
Acq: 11 Dec 2019 10:02

Tgt Ion: 94 Resp: 106549

Ion Ratio Lower Upper

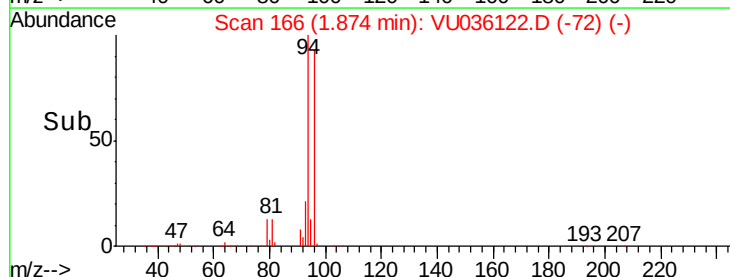
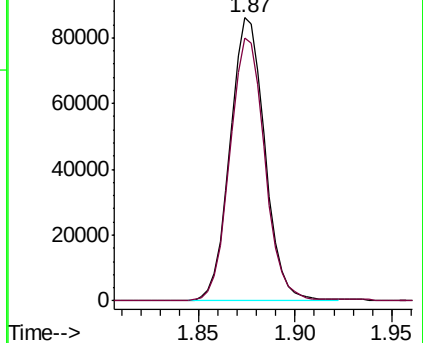
94 100

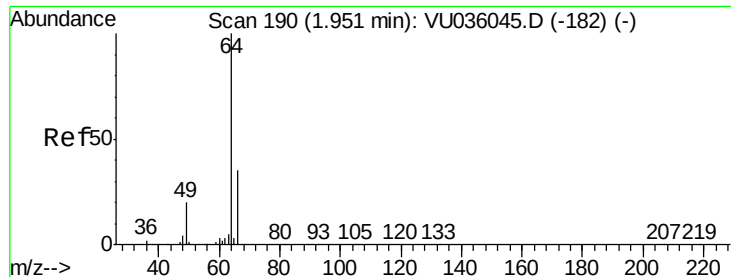
96 92.7 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU036045.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036045.D (-156) (-)

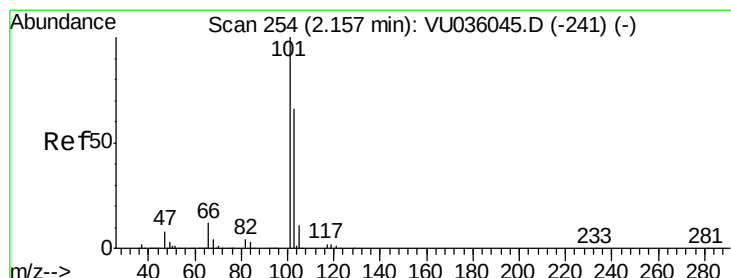
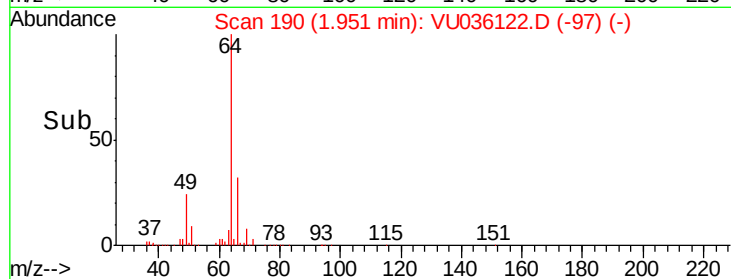
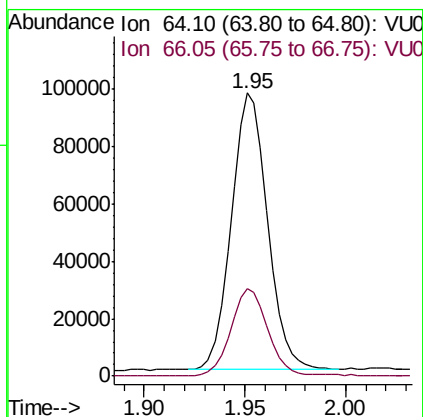
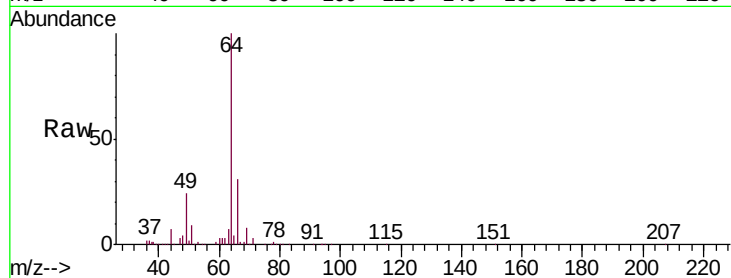




#8
Chloroethane
Concen: 4.832 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

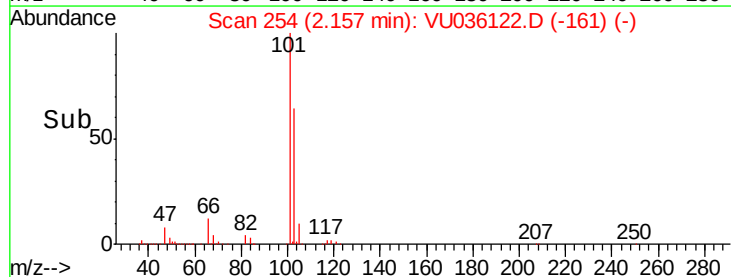
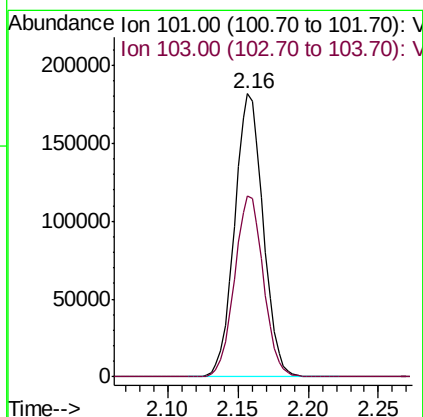
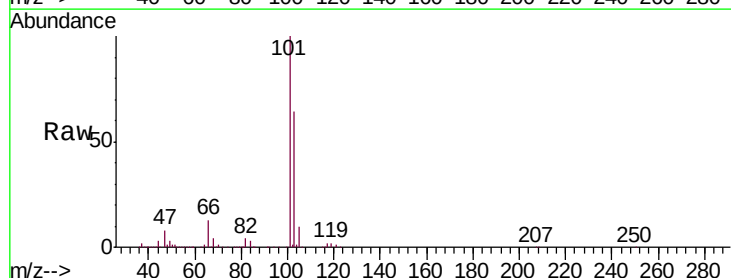
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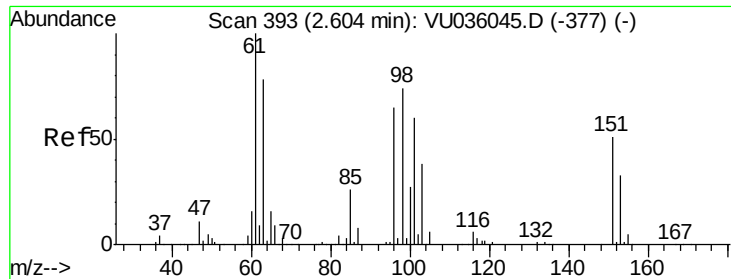
Tgt Ion: 64 Resp: 120581
Ion Ratio Lower Upper
64 100
66 31.1 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.517 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Tgt Ion: 101 Resp: 257961
Ion Ratio Lower Upper
101 100
103 64.8 52.6 78.8





#10

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

Concen: 4.069 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

BFB

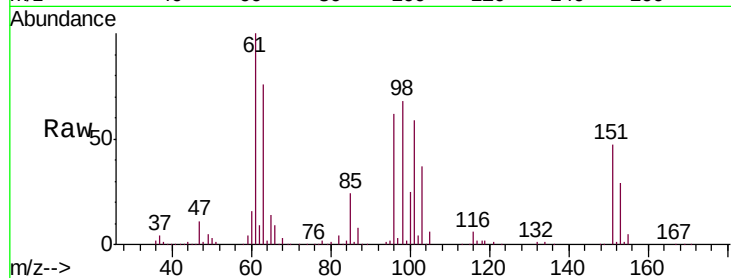
Tgt Ion: 101 Resp: 128958

Ion Ratio Lower Upper

101 100

85 42.0 33.1 49.7

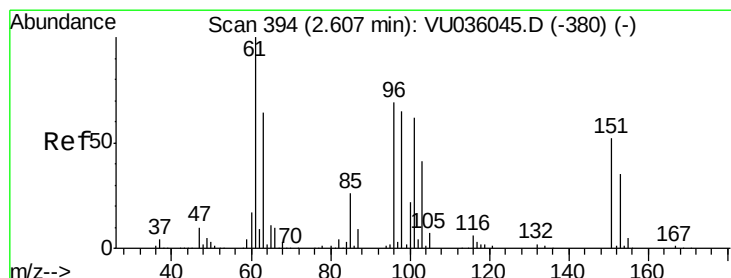
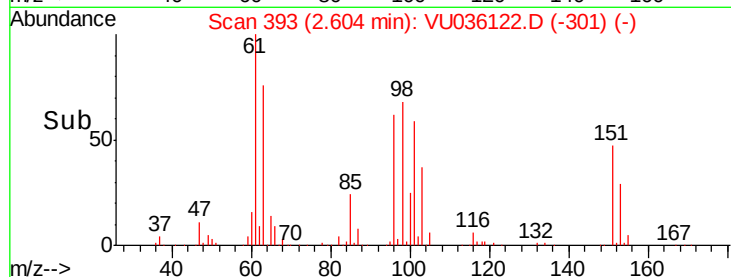
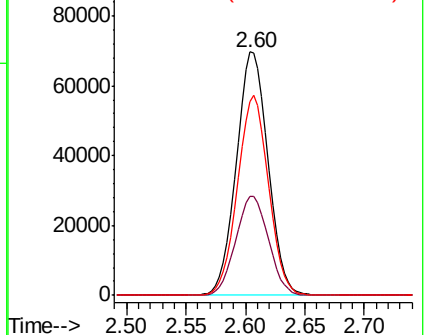
151 80.3 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.196 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

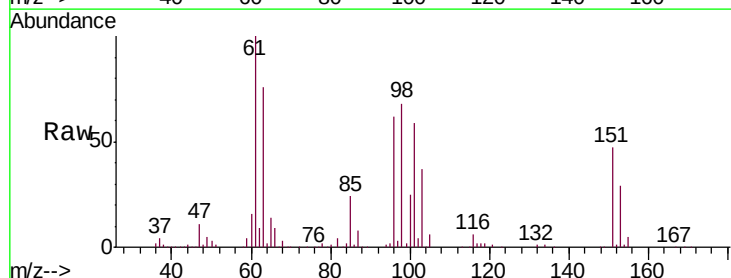
Tgt Ion: 96 Resp: 119593

Ion Ratio Lower Upper

96 100

61 161.1 104.3 193.7

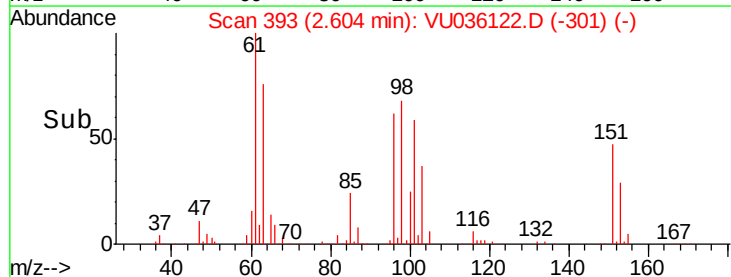
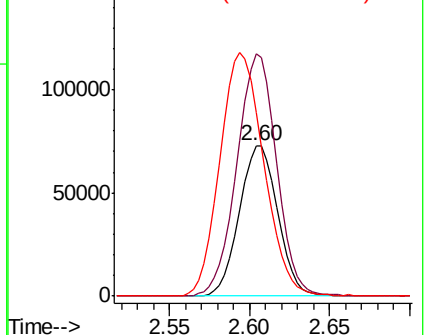
63 122.0 65.6 121.8#

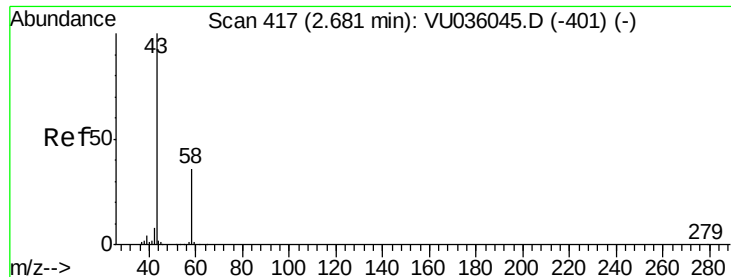


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 33.787 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

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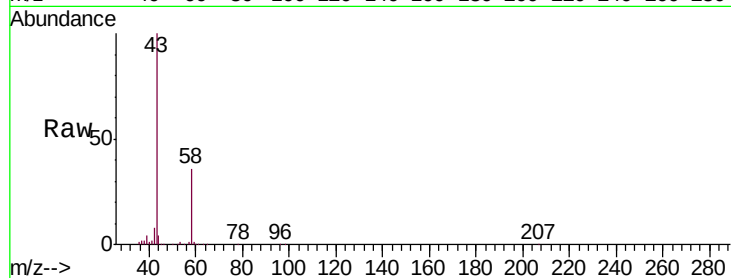
BFB

Tgt Ion: 43 Resp: 213384

Ion Ratio Lower Upper

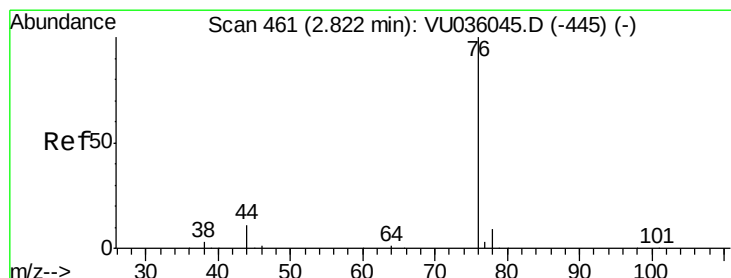
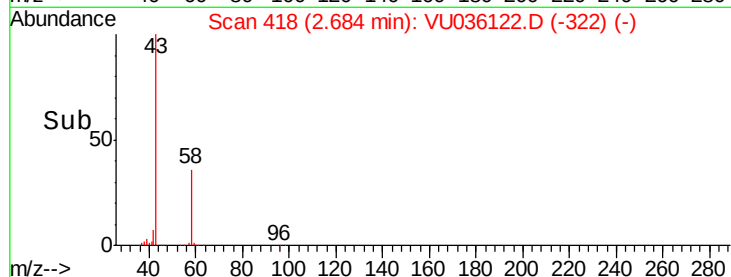
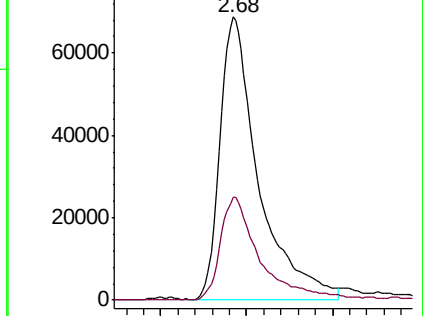
43 100

58 37.4 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036122.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036122.D (-401) (-)



#14

Carbon disulfide

Concen: 4.490 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036122.D

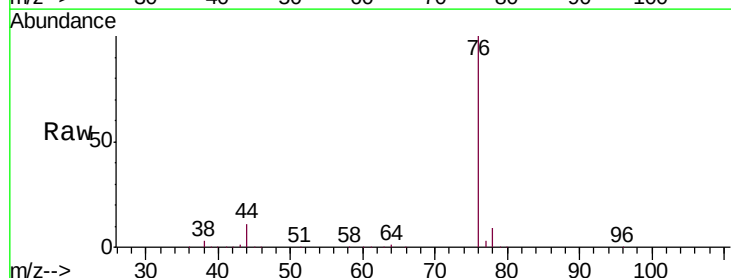
Acq: 11 Dec 2019 10:02

Tgt Ion: 76 Resp: 366577

Ion Ratio Lower Upper

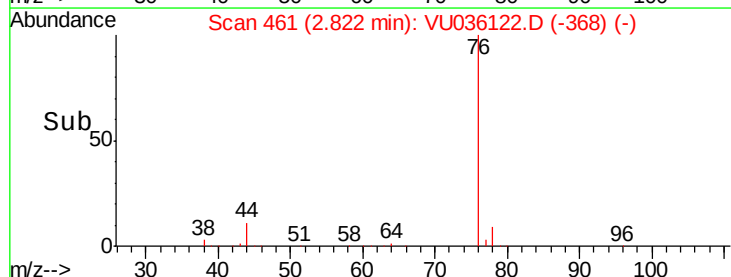
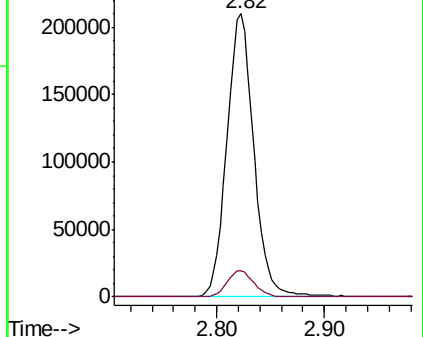
76 100

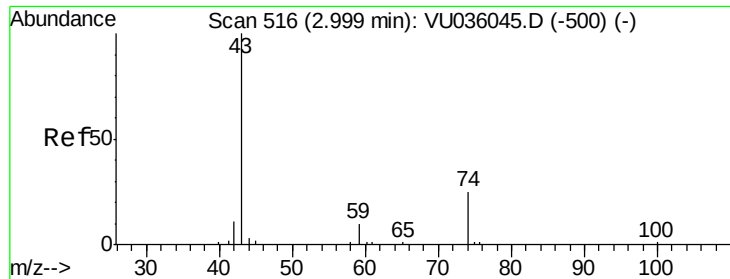
78 9.4 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU036122.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU036122.D (-445) (-)





#15

Methyl Acetate

Concen: 4.640 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampled :

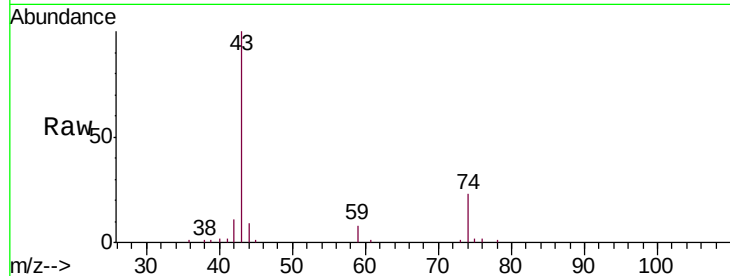
BFB

Tgt Ion: 43 Resp: 43267

Ion Ratio Lower Upper

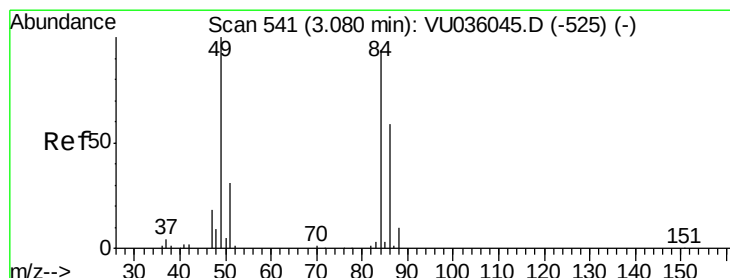
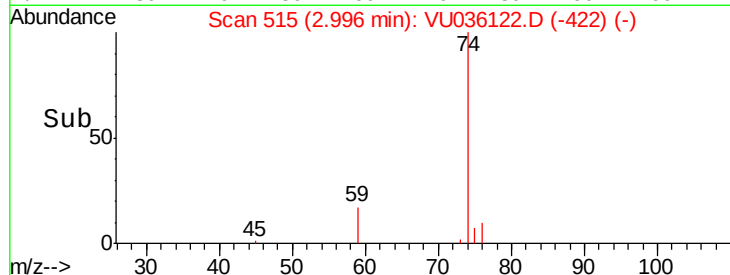
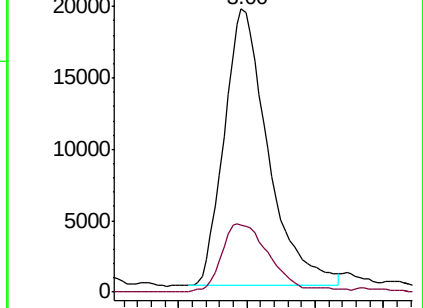
43 100

74 26.3 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VU036122.D (-422) (-)

Ion 74.05 (73.75 to 74.75): VU036122.D (-422) (-)



#16

Methylene chloride

Concen: 4.345 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

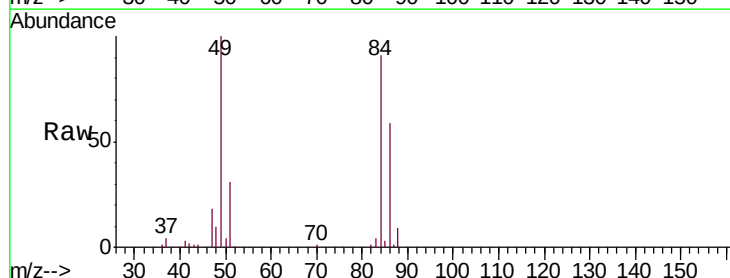
Tgt Ion: 84 Resp: 143801

Ion Ratio Lower Upper

84 100

86 64.8 47.5 88.3

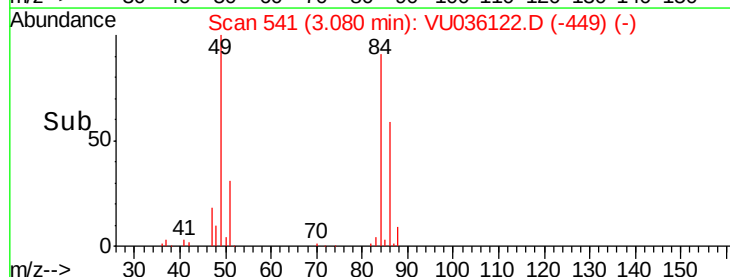
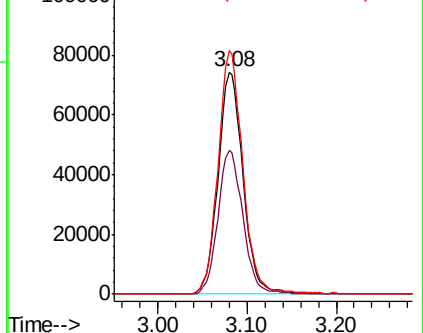
49 109.5 76.9 142.9

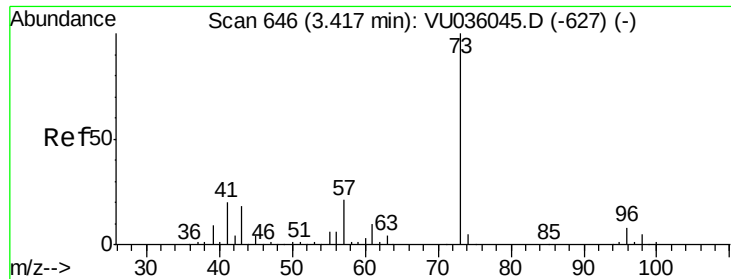


Abundance Ion 84.05 (83.75 to 84.75): VU036122.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VU036122.D (-449) (-)

Ion 49.10 (48.80 to 49.80): VU036122.D (-449) (-)

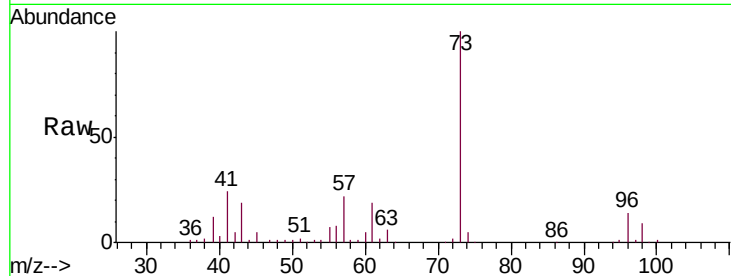




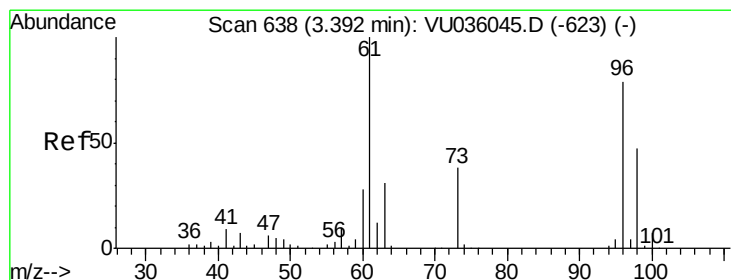
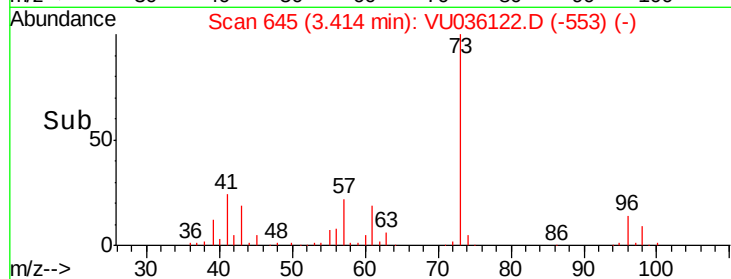
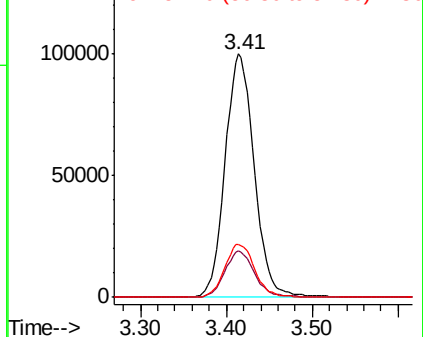
#17
Methyl tert-butyl Ether
Concen: 4.798 ug/L
RT: 3.41 min Scan# 645
Delta R.T. -0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:	73	Resp:	235402
Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.6	23.4
57	22.6	17.4	26.2

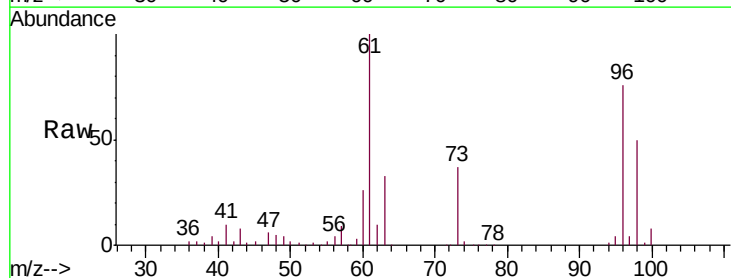


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

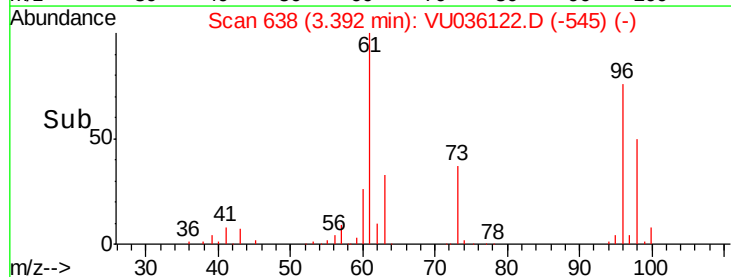
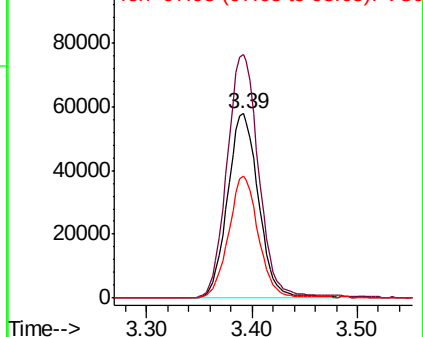


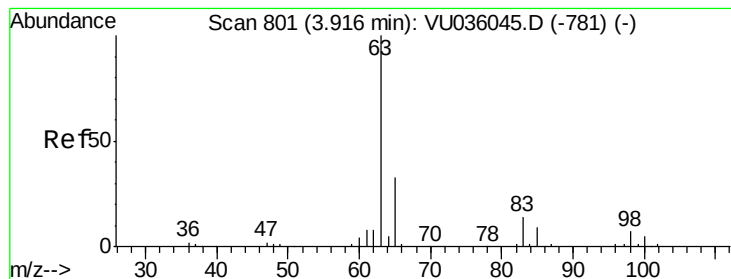
#18
trans-1,2-Dichloroethene
Concen: 4.851 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Tgt Ion:	96	Resp:	118012
Ion	Ratio	Lower	Upper
96	100		
61	132.1	92.0	170.8
98	66.5	44.6	82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.214 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

BFB

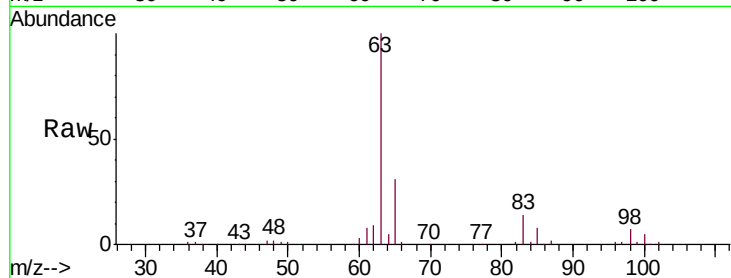
Tgt Ion: 63 Resp: 227636

Ion Ratio Lower Upper

63 100

65 30.7 21.8 40.4

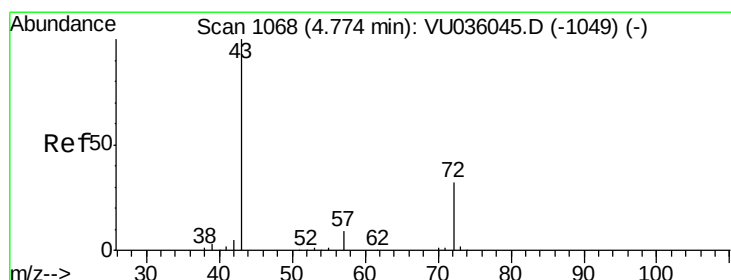
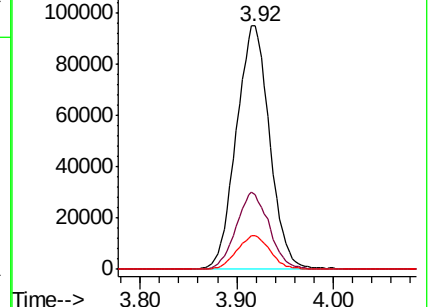
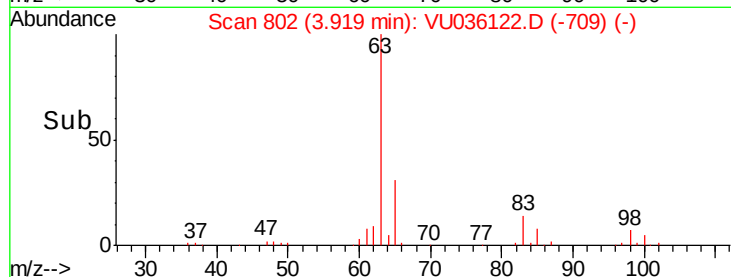
83 13.8 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036122.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU036122.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU036122.D (-781) (-)



#21

2-Butanone

Concen: 48.024 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU036122.D

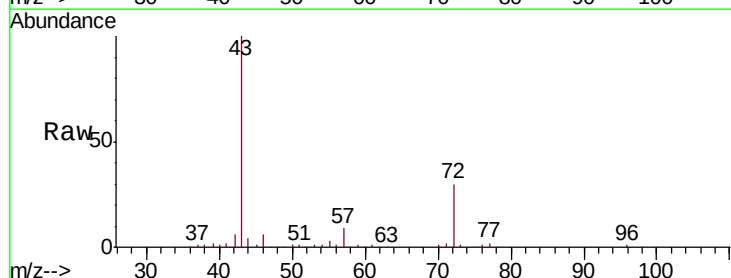
Acq: 11 Dec 2019 10:02

Tgt Ion: 43 Resp: 303573

Ion Ratio Lower Upper

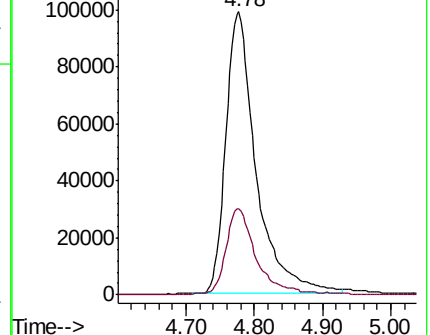
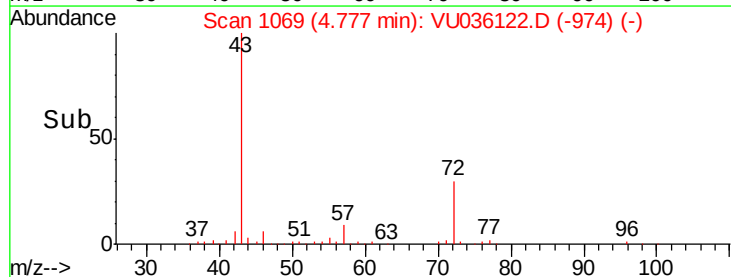
43 100

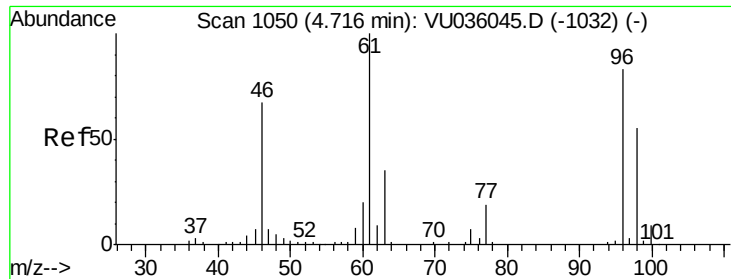
72 30.5 15.0 45.0



Abundance Ion 43.05 (42.75 to 43.75): VU036122.D (-974) (-)

Ion 72.10 (71.80 to 72.80): VU036122.D (-974) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.965 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampled :

BFB

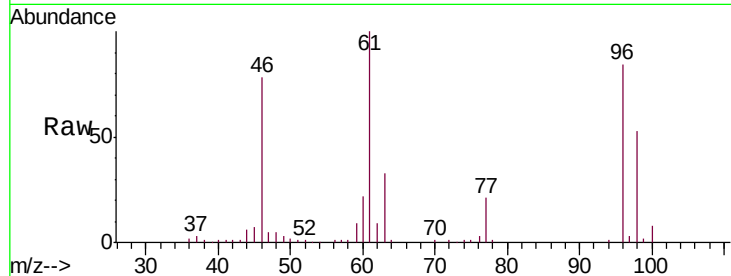
Tgt Ion: 96 Resp: 126745

Ion Ratio Lower Upper

96 100

61 119.6 83.0 154.2

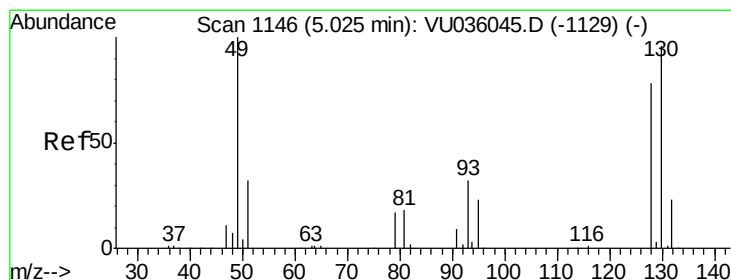
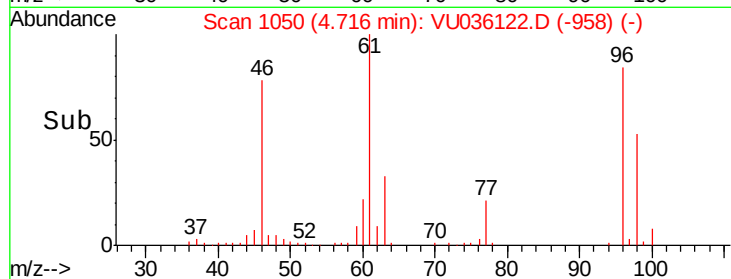
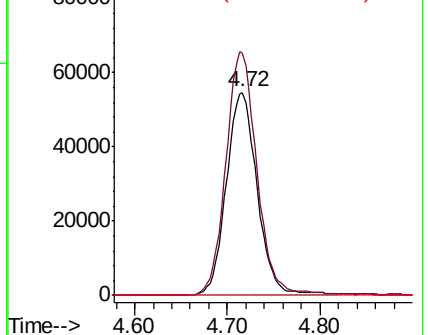
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036122.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU036122.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU036122.D (-958) (-)



#23

Bromochloromethane

Concen: 4.831 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Tgt Ion: 128 Resp: 63759

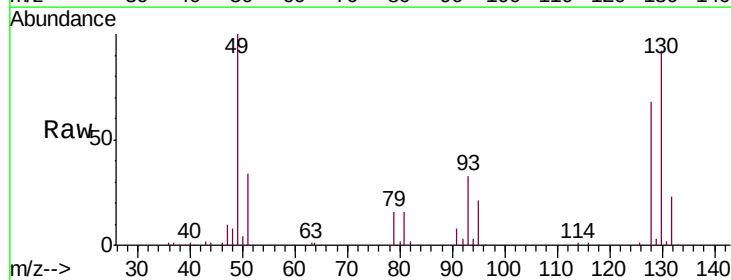
Ion Ratio Lower Upper

128 100

49 146.6 90.2 167.6

130 134.3 89.0 165.4

51 50.3 33.8 50.6

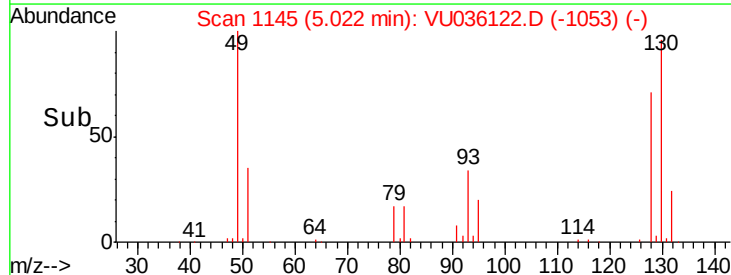
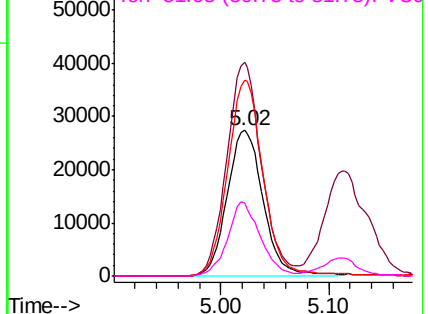


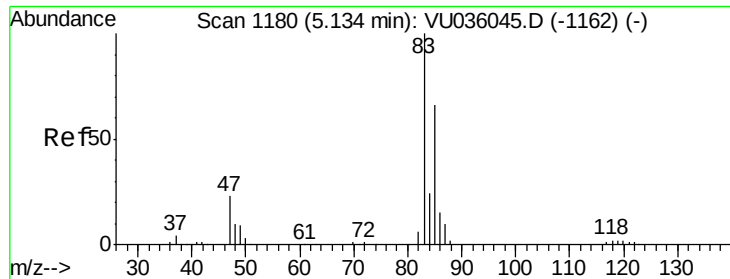
Abundance Ion 127.90 (127.60 to 128.60): VU036122.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU036122.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU036122.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU036122.D (-1053) (-)

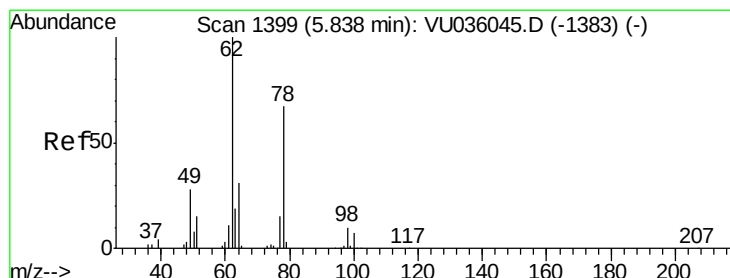
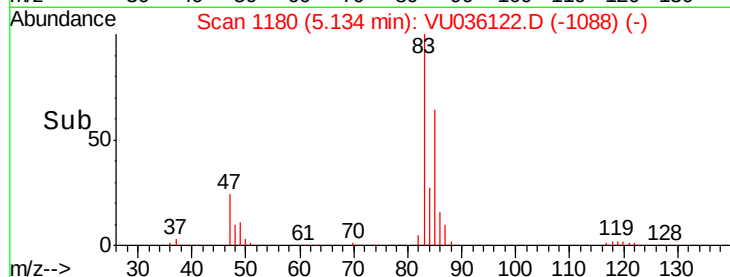
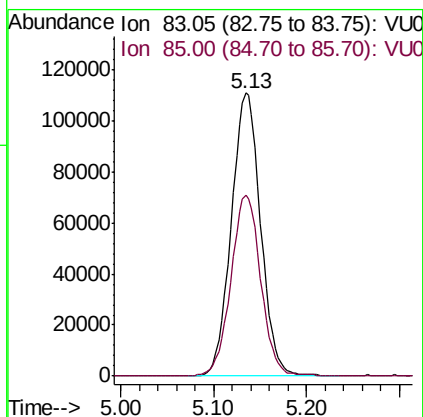
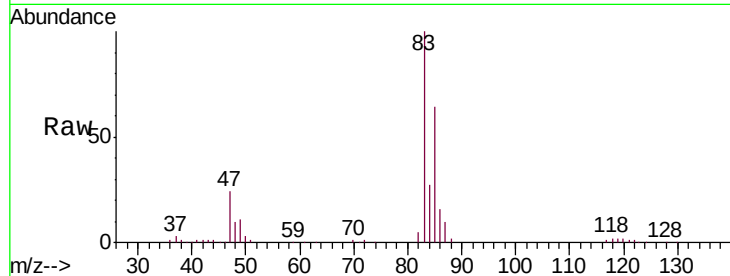




#25
Chloroform
Concen: 4.994 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

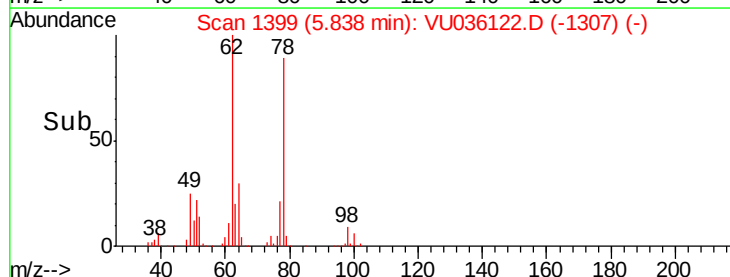
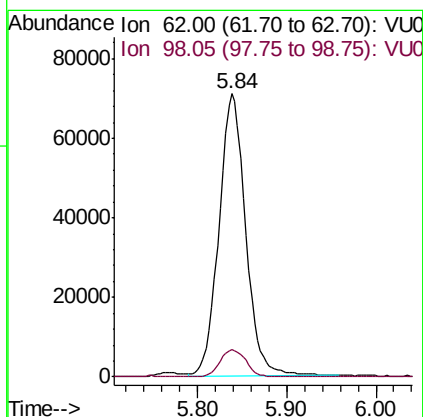
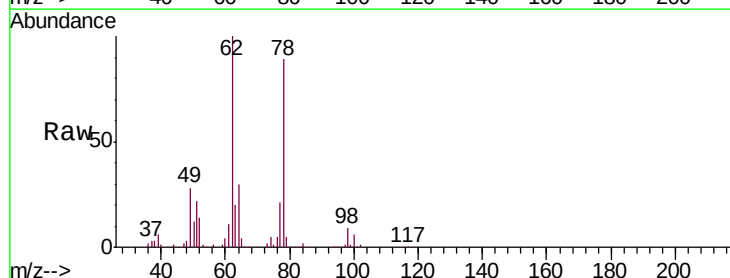
Instrument :
MSVOA_U
ClientSampleId :
BFB

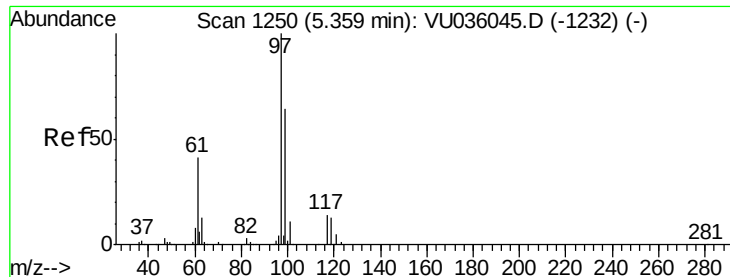
Tgt Ion: 83 Resp: 242988
Ion Ratio Lower Upper
83 100
85 63.9 43.9 81.5



#27
1,2-Dichloroethane
Concen: 5.128 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Tgt Ion: 62 Resp: 147409
Ion Ratio Lower Upper
62 100
98 9.5 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.051 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

BFB

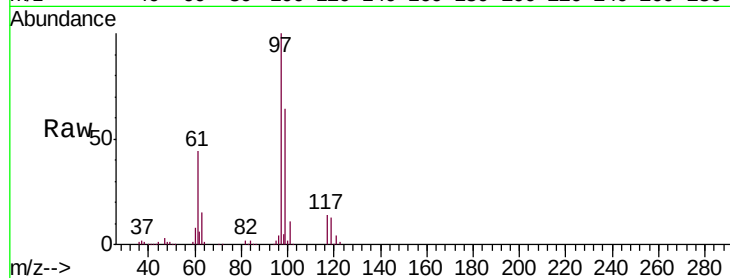
Tgt Ion: 97 Resp: 198578

Ion Ratio Lower Upper

97 100

99 65.6 52.2 78.2

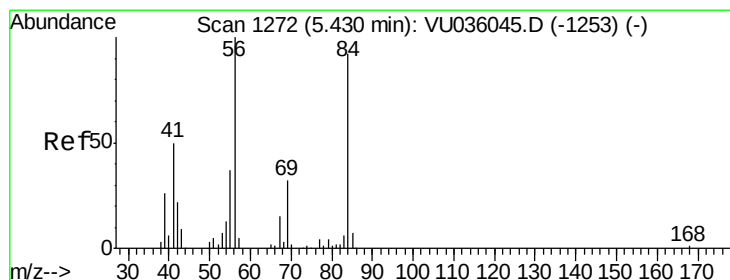
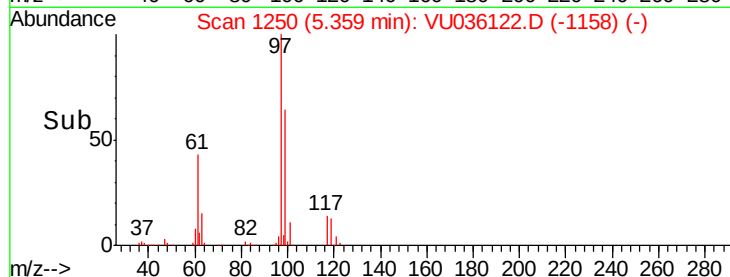
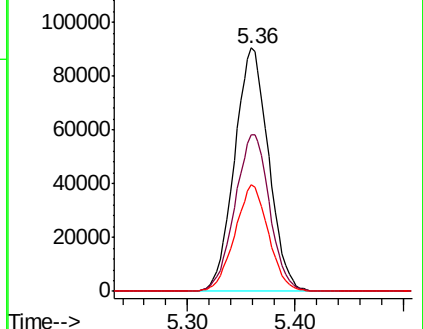
61 43.2 34.7 52.1



Abundance Ion 96.95 (96.65 to 97.65): VU036122.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU036122.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU036122.D (-1158) (-)



#30

Cyclohexane

Concen: 5.209 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

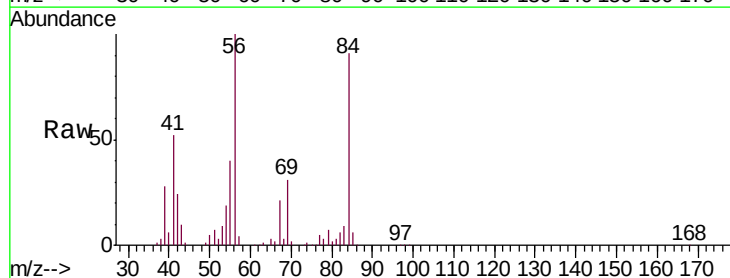
Tgt Ion: 56 Resp: 160767

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.0

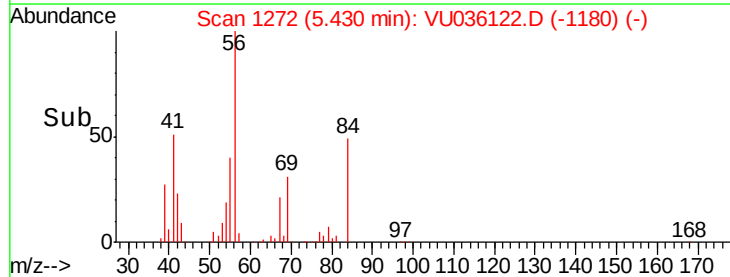
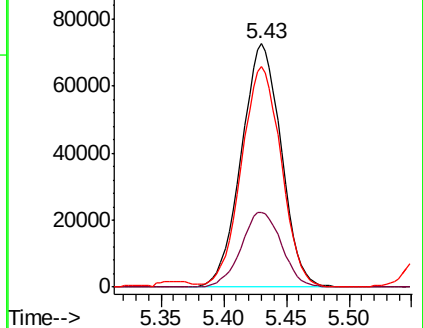
84 90.2 74.5 111.7

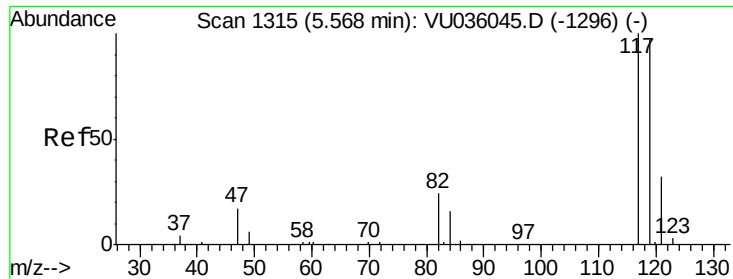


Abundance Ion 56.10 (55.80 to 56.80): VU036122.D (-1180) (-)

Ion 69.15 (68.85 to 69.85): VU036122.D (-1180) (-)

Ion 84.15 (83.85 to 84.85): VU036122.D (-1180) (-)

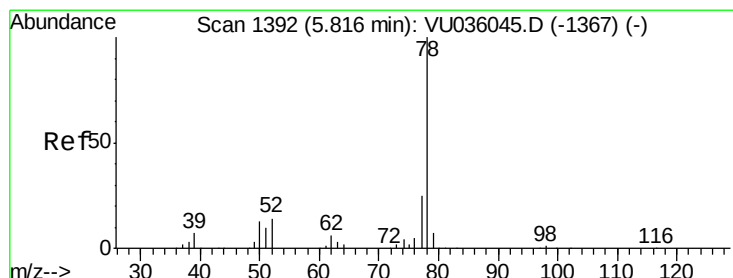
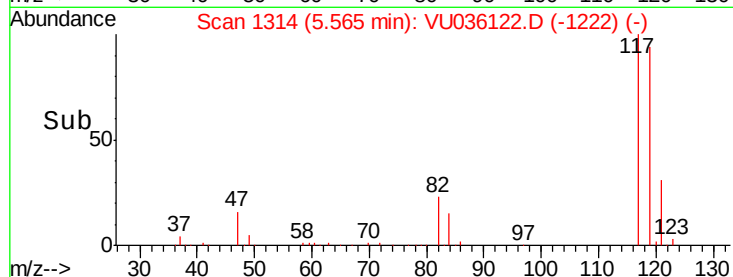
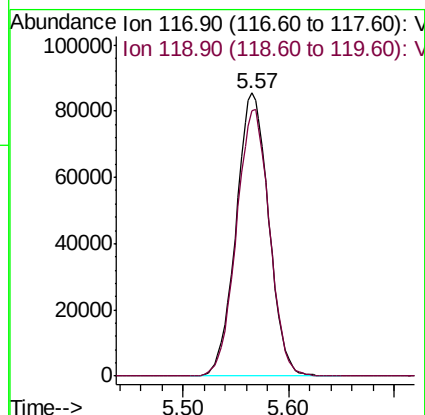
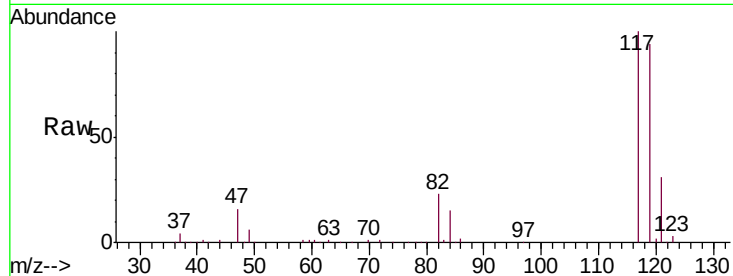




#31
Carbon tetrachloride
Concen: 5.158 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

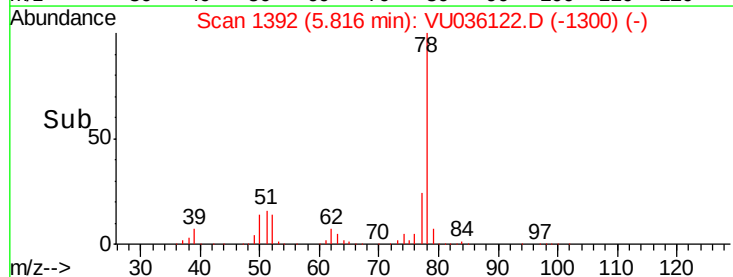
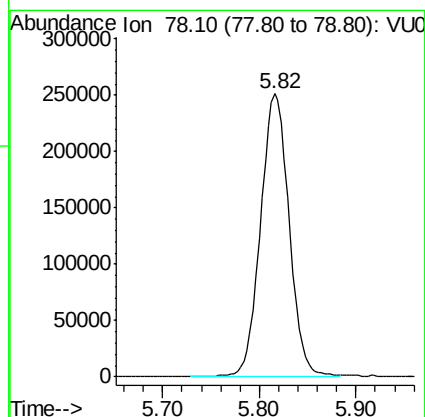
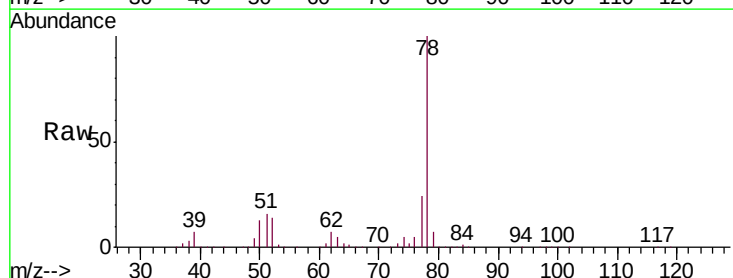
Instrument :
MSVOA_U
ClientSampleId :
BFB

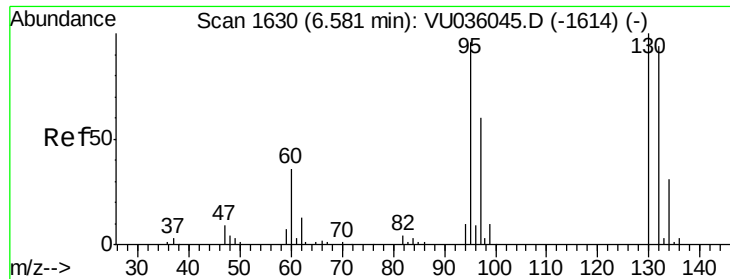
Tgt Ion:117 Resp: 183357
Ion Ratio Lower Upper
117 100
119 95.4 78.2 117.4



#33
Benzene
Concen: 5.424 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Tgt Ion: 78 Resp: 517054





#34

Trichloroethene

Concen: 5.081 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

BFB

Tgt Ion: 95 Resp: 128599

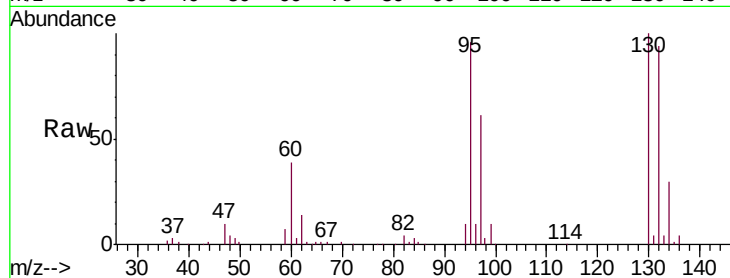
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 97.9 73.4 136.4

130 104.0 75.9 141.1

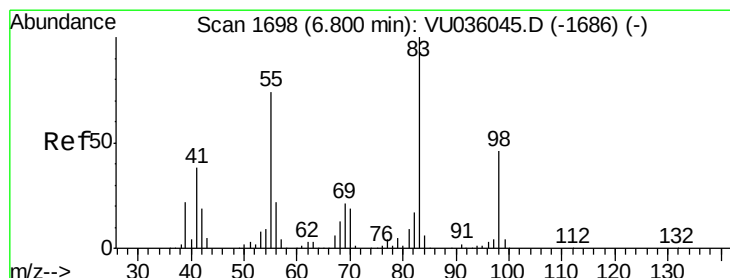
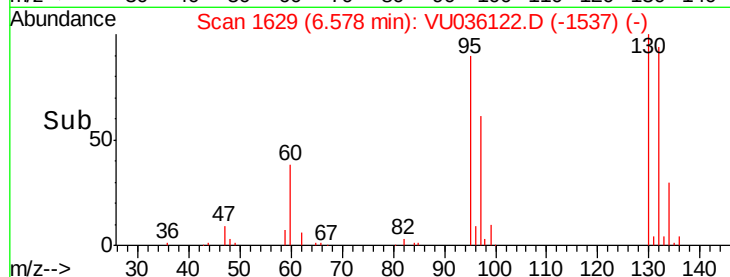
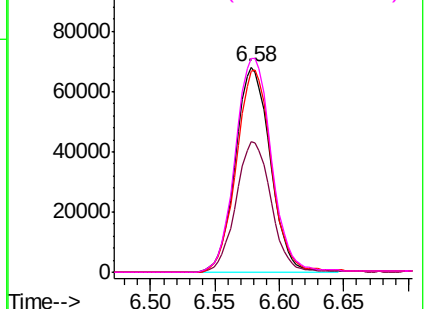


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.110 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

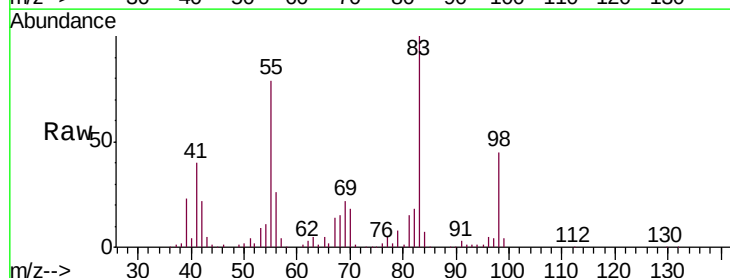
Tgt Ion: 83 Resp: 173511

Ion Ratio Lower Upper

83 100

55 79.6 62.1 93.1

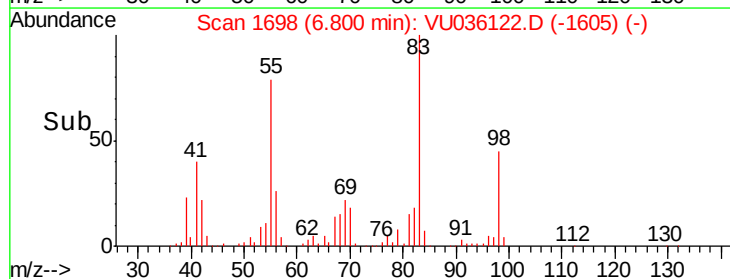
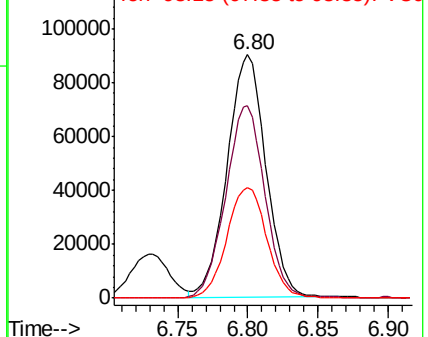
98 47.2 37.0 55.4

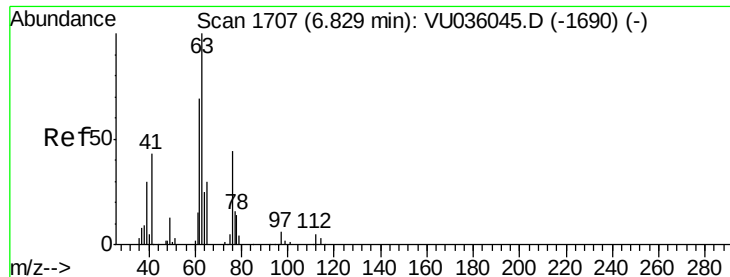


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

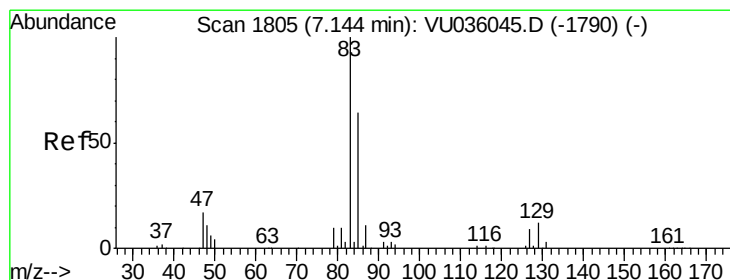
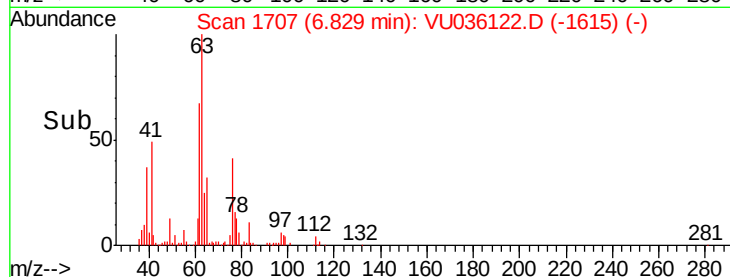
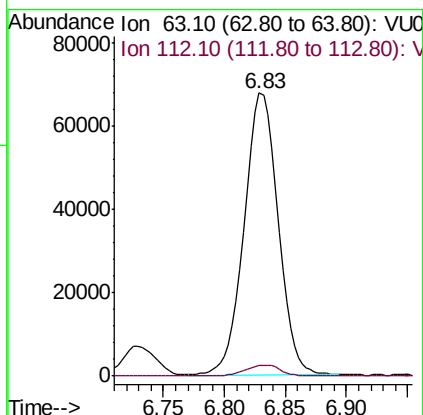
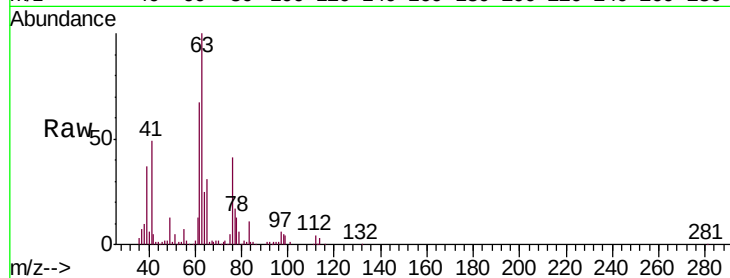




#37
 1,2-Dichloropropane
 Concen: 5.461 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

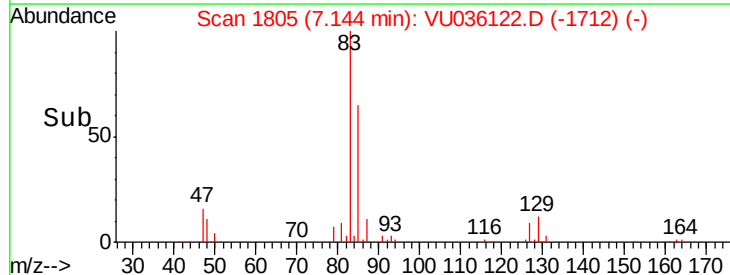
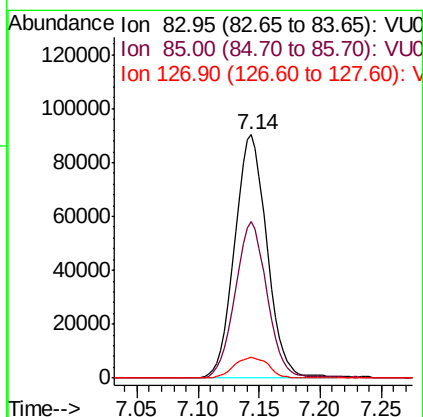
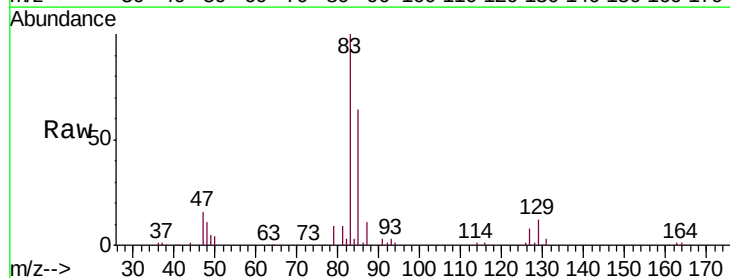
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

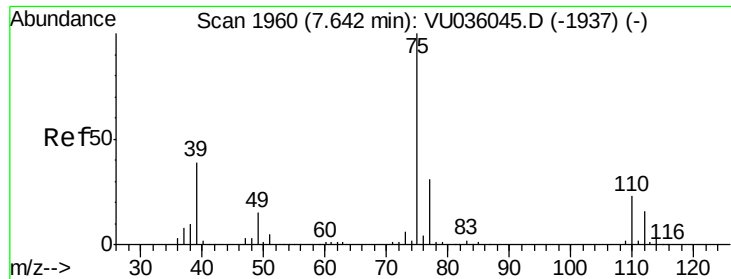
Tgt Ion: 63 Resp: 130575
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.162 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

Tgt Ion: 83 Resp: 165888
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.2 84.0
 127 8.4 7.4 11.2

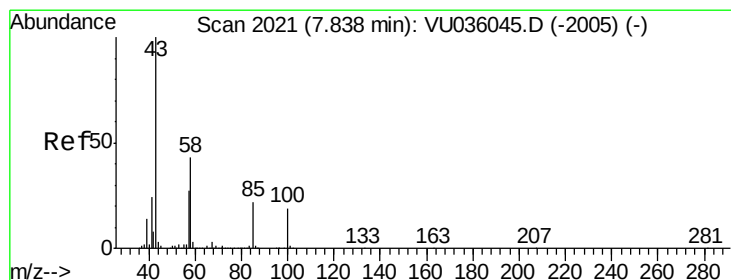
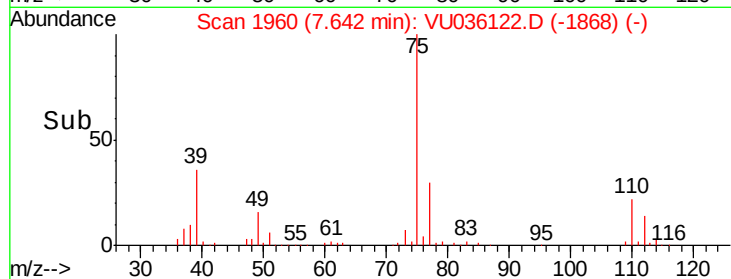
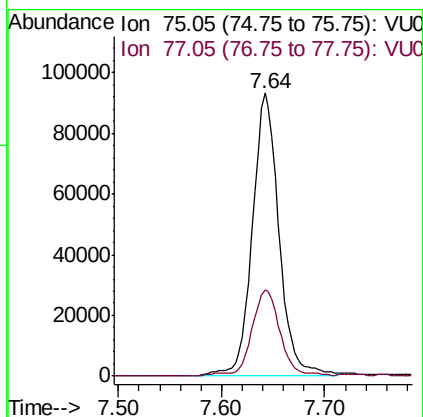
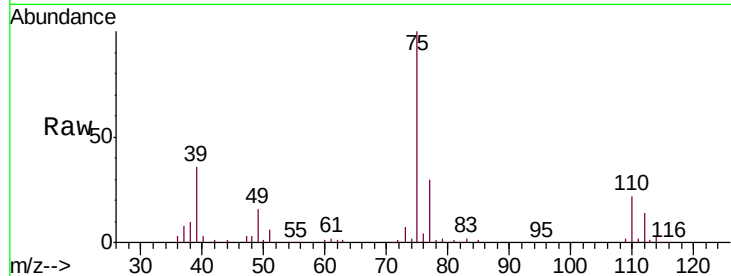




#39
 cis-1,3-Dichloropropene
 Concen: 5.153 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

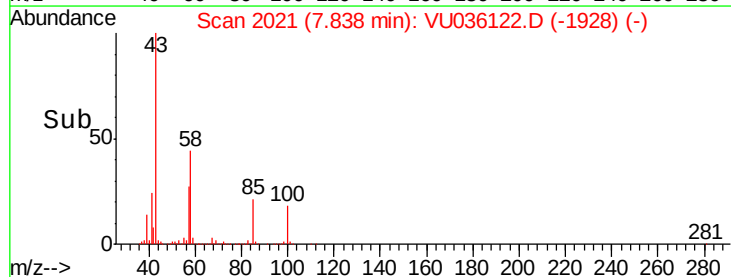
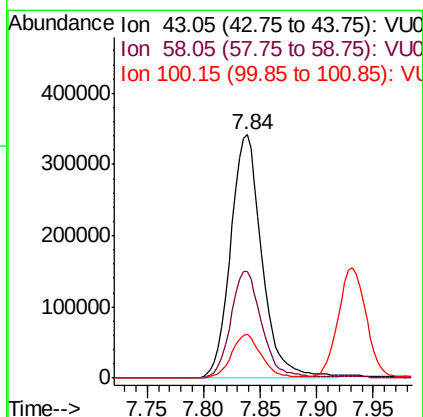
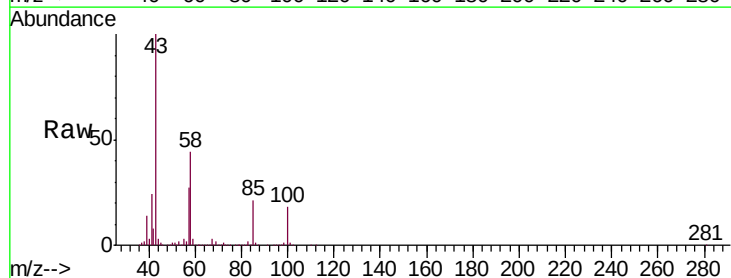
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

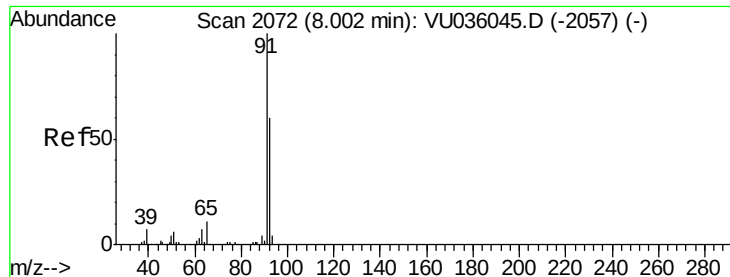
Tgt Ion: 75 Resp: 167456
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 52.959 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

Tgt Ion: 43 Resp: 661423
 Ion Ratio Lower Upper
 43 100
 58 43.5 34.5 51.7
 100 17.2 14.3 21.5





#42

Toluene

Concen: 5.435 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

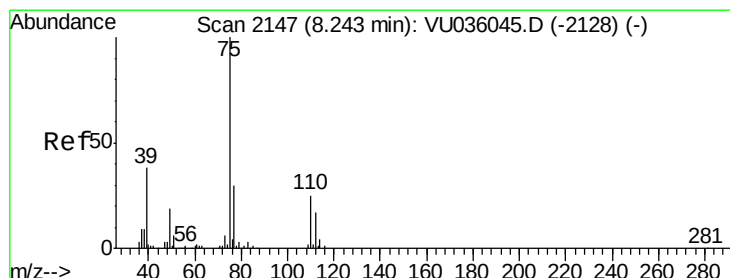
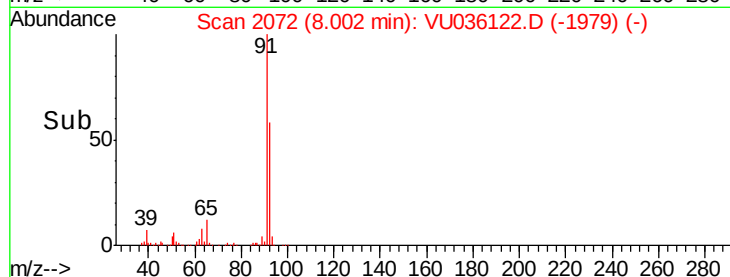
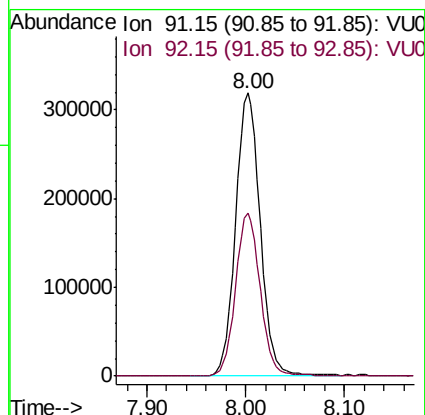
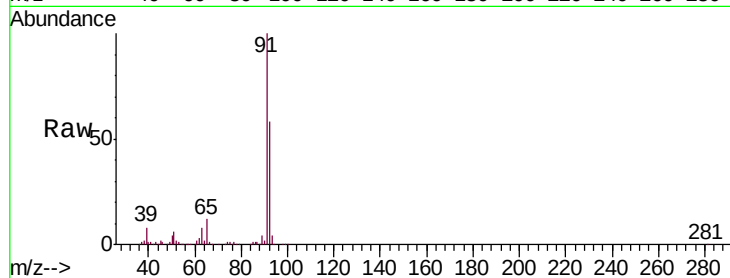
BFB

Tgt Ion: 91 Resp: 555616

Ion Ratio Lower Upper

91 100

92 57.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 5.280 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036122.D

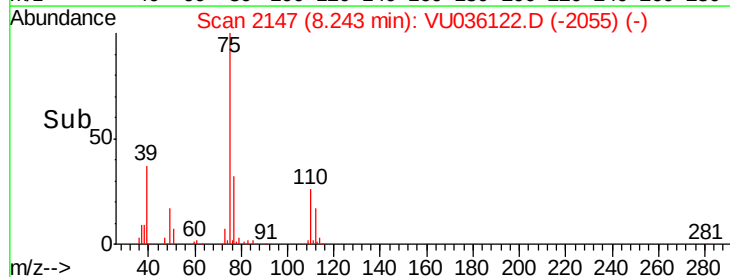
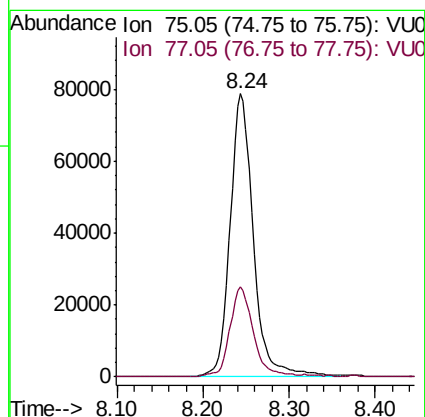
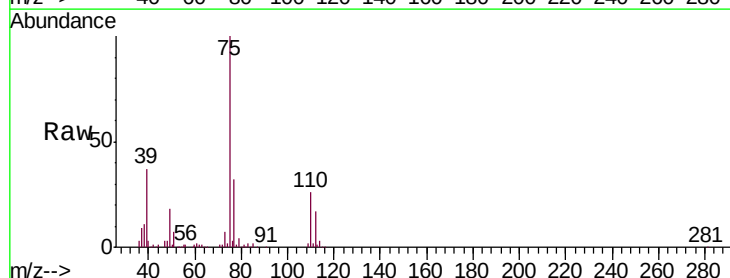
Acq: 11 Dec 2019 10:02

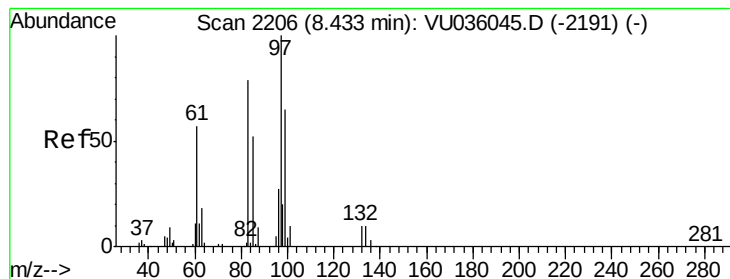
Tgt Ion: 75 Resp: 148326

Ion Ratio Lower Upper

75 100

77 31.9 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 5.184 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 97589

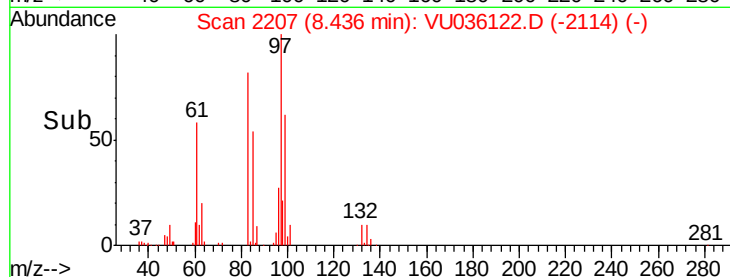
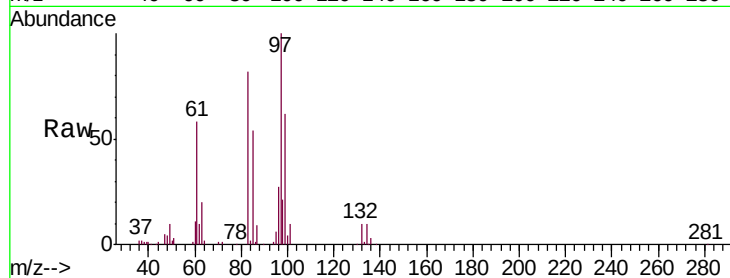
Ion Ratio Lower Upper

97 100

99 62.1 46.1 85.7

83 81.6 59.6 110.8

85 53.9 40.5 75.3

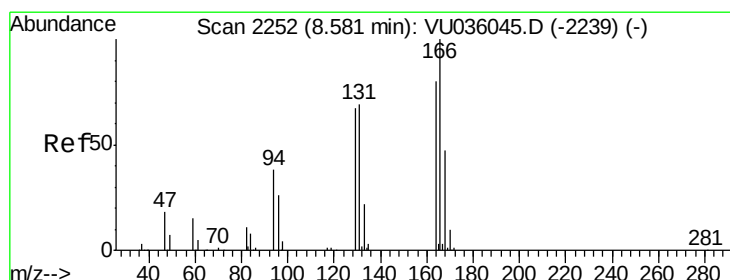
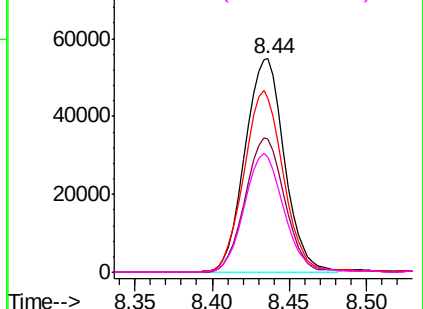


Abundance Ion 96.95 (96.65 to 97.65): VU036122.D (-2114) (-)

Ion 99.05 (98.75 to 99.75): VU036122.D (-2114) (-)

Ion 82.95 (82.65 to 83.65): VU036122.D (-2114) (-)

Ion 85.00 (84.70 to 85.70): VU036122.D (-2114) (-)



#47

Tetrachloroethene

Concen: 4.901 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Tgt Ion: 164 Resp: 117919

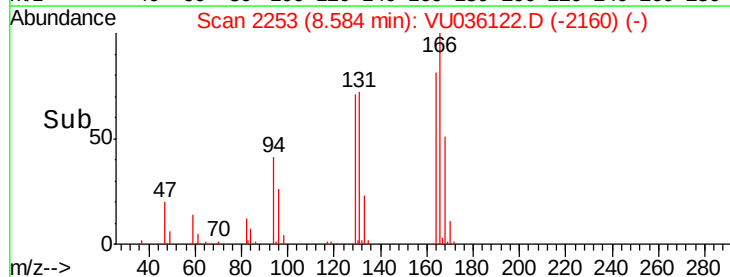
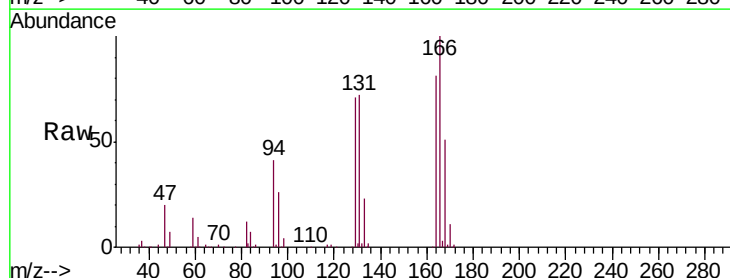
Ion Ratio Lower Upper

164 100

129 87.0 63.1 117.3

131 88.6 61.5 114.1

166 123.0 91.0 169.0

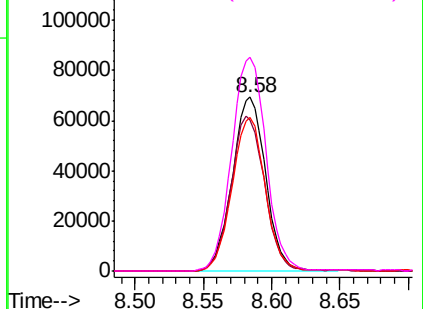


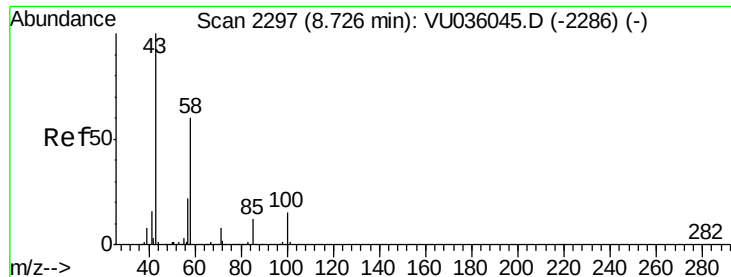
Abundance Ion 163.90 (163.60 to 164.60): VU036122.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU036122.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU036122.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU036122.D (-2160) (-)

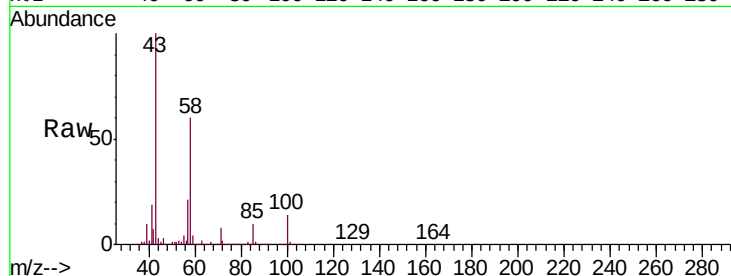




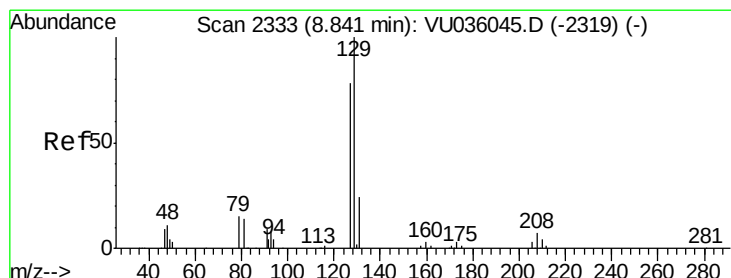
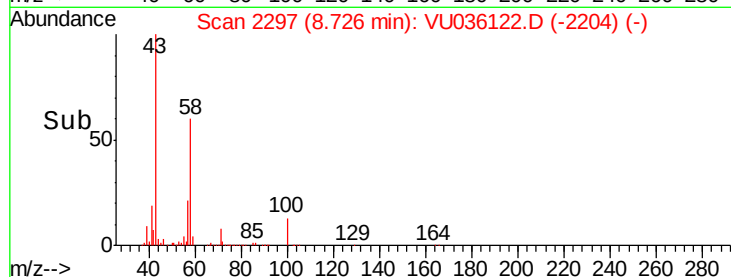
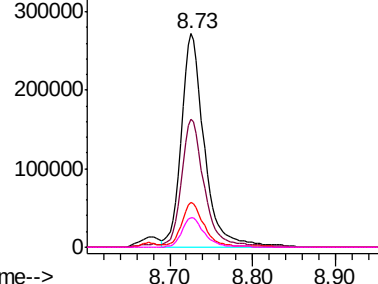
#48
2-Hexanone
Concen: 59.208 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:	43	Resp:	530479
Ion	Ratio	Lower	Upper
43	100		
58	60.2	46.9	70.3
57	20.2	16.4	24.6
100	13.3	11.0	16.4

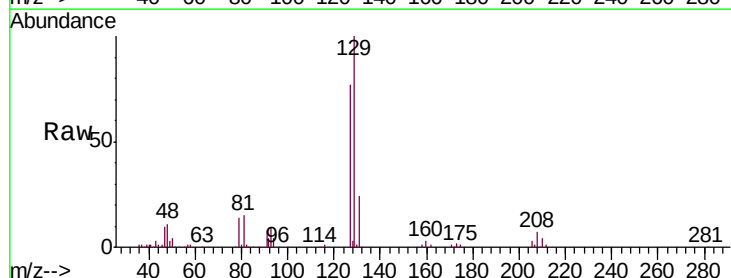


Abundance Ion 43.05 (42.75 to 43.75): VU036122.D (-2204) (-)
Ion 58.05 (57.75 to 58.75): VU036122.D (-2204) (-)
Ion 57.20 (56.90 to 57.90): VU036122.D (-2204) (-)
Ion 100.15 (99.85 to 100.85): VU036122.D (-2204) (-)

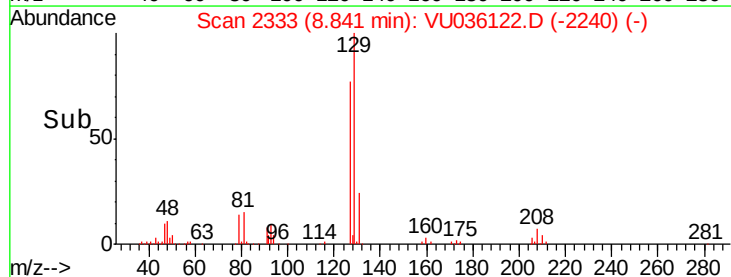
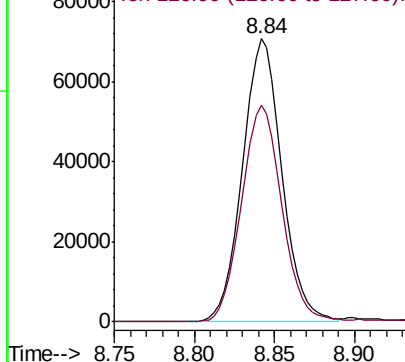


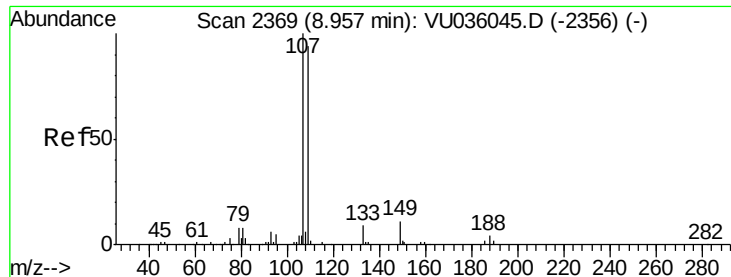
#49
Dibromochloromethane
Concen: 4.753 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Tgt Ion:	129	Resp:	118764
Ion	Ratio	Lower	Upper
129	100		
127	76.7	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): VU036122.D (-2240) (-)
Ion 126.90 (126.60 to 127.60): VU036122.D (-2240) (-)

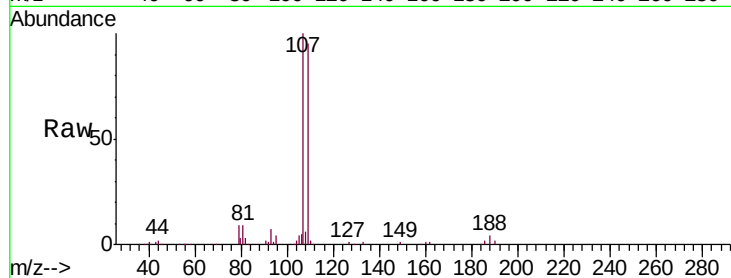




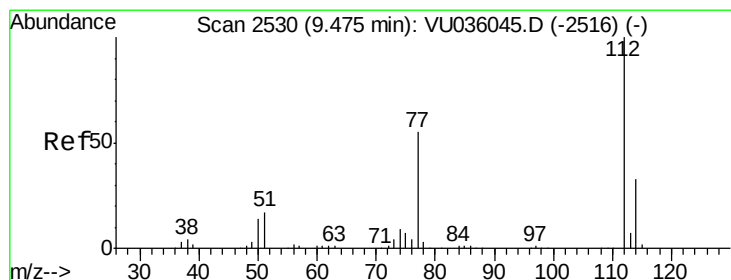
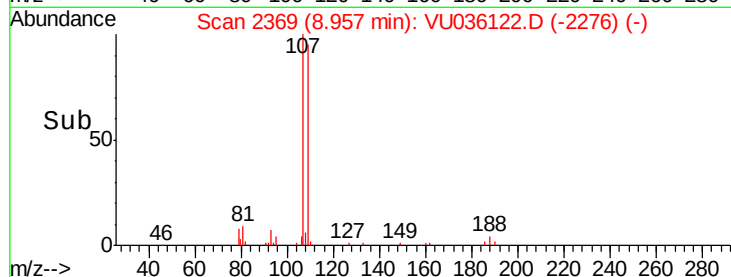
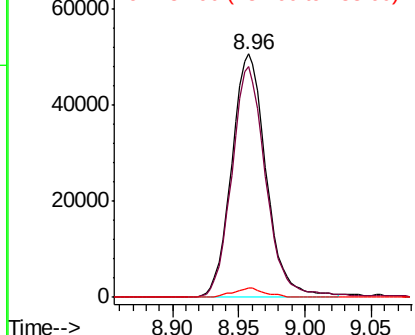
#50
1,2-Dibromoethane
Concen: 5.041 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	64.3	119.3
188	3.9	3.6	5.4

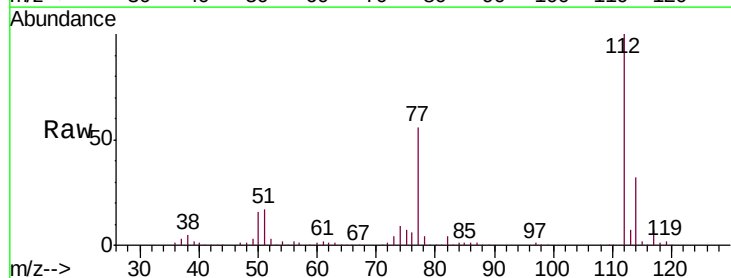


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

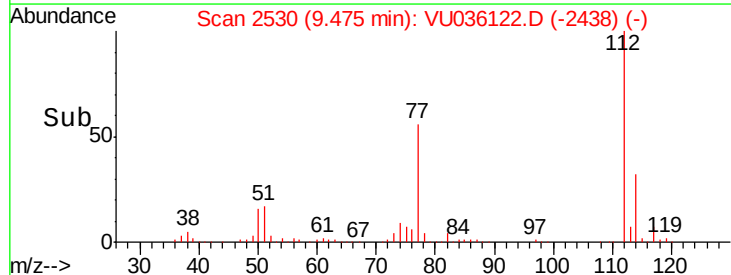
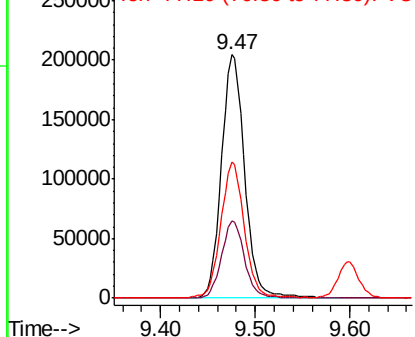


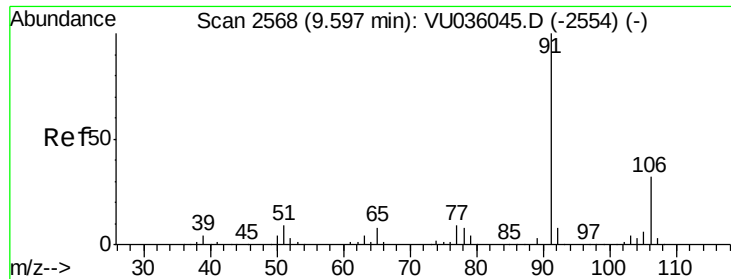
#51
Chlorobenzene
Concen: 4.909 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.5
77	55.7	43.8	65.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.901 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampled :

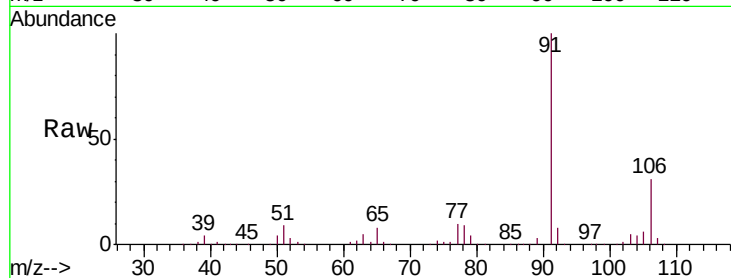
BFB

Tgt Ion: 91 Resp: 524868

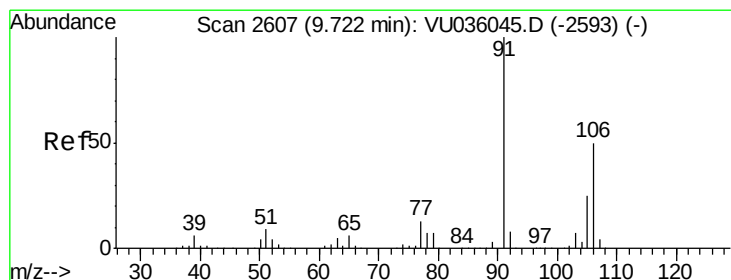
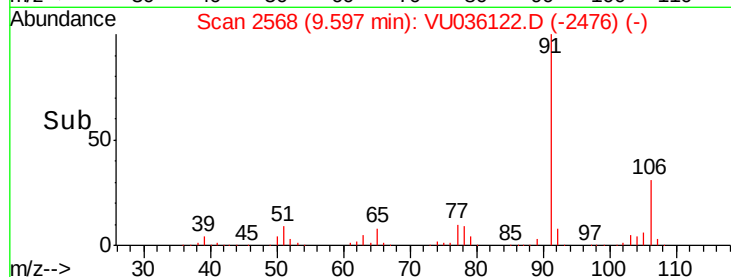
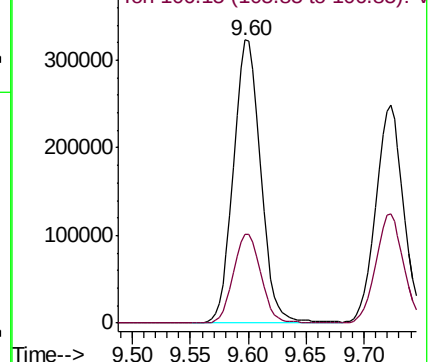
Ion Ratio Lower Upper

91 100

106 31.3 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU036122.D (-2554) (-)



#53

m,p-Xylene

Concen: 4.983 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036122.D

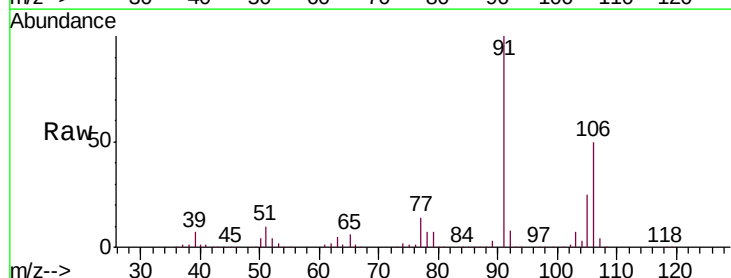
Acq: 11 Dec 2019 10:02

Tgt Ion: 106 Resp: 212511

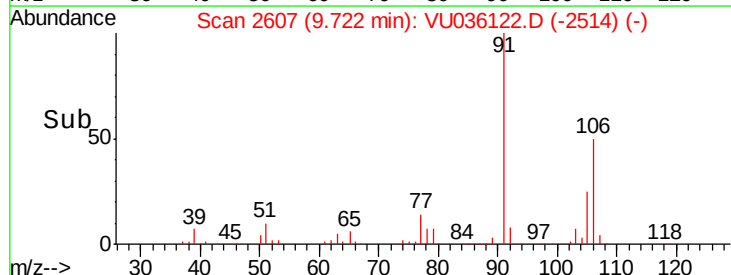
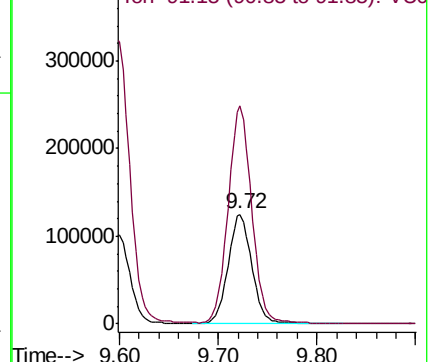
Ion Ratio Lower Upper

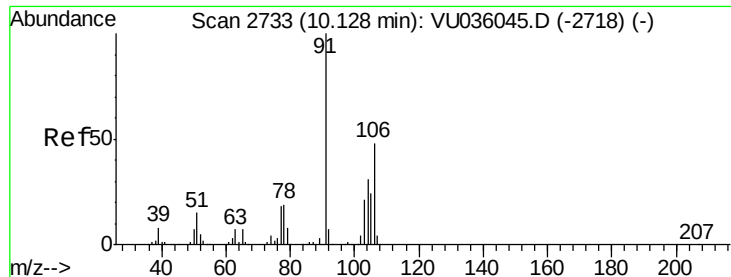
106 100

91 199.0 136.9 254.3



Abundance Ion 106.15 (105.85 to 106.85): VU036122.D (-2593) (-)

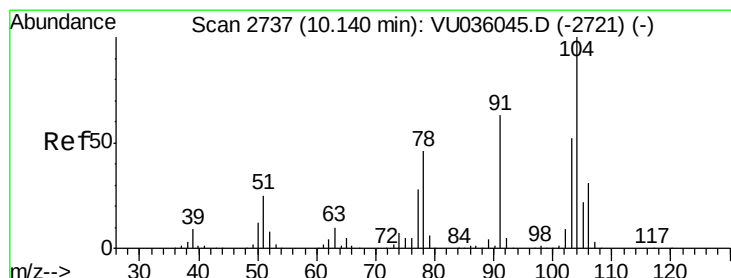
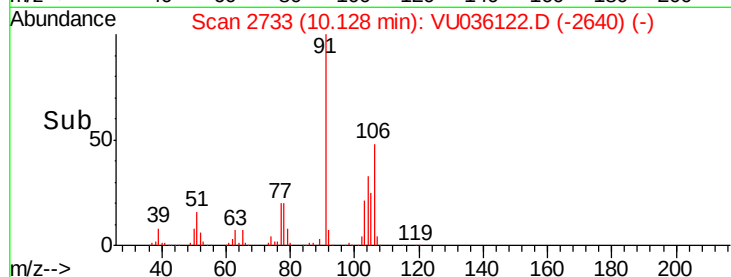
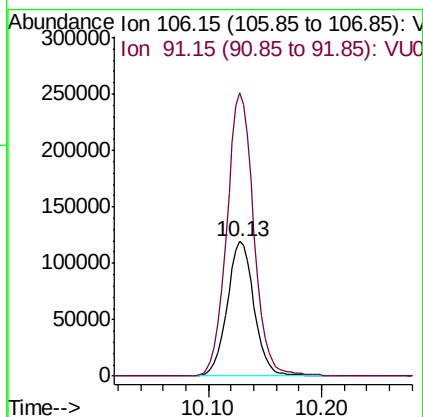
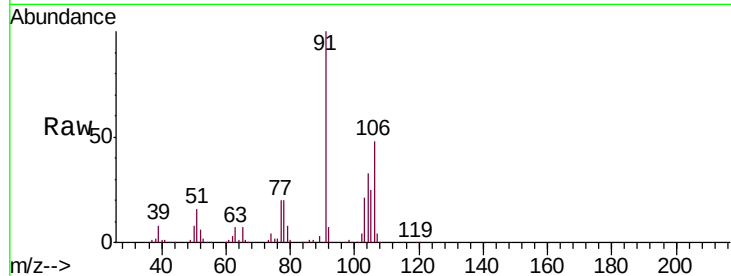




#54
o-Xylene
Concen: 4.943 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

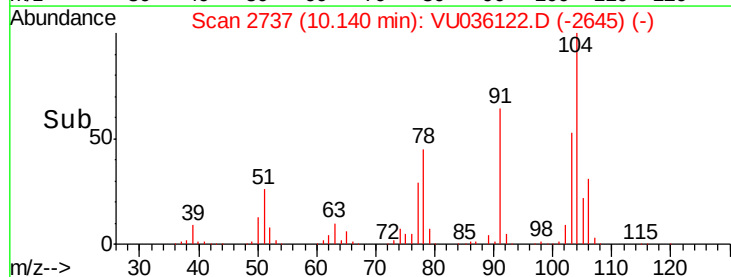
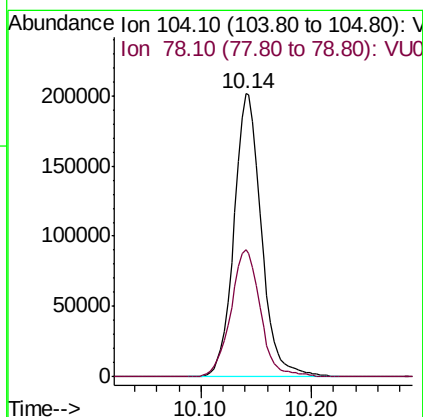
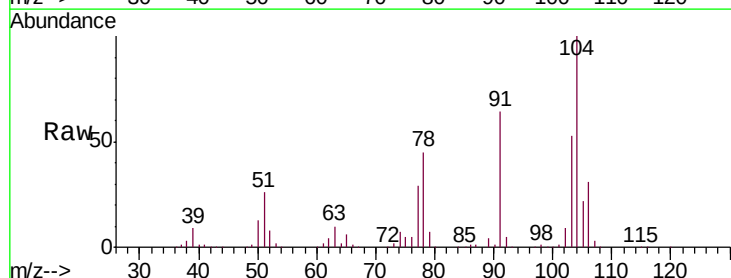
Instrument :
MSVOA_U
ClientSampled :
BFB

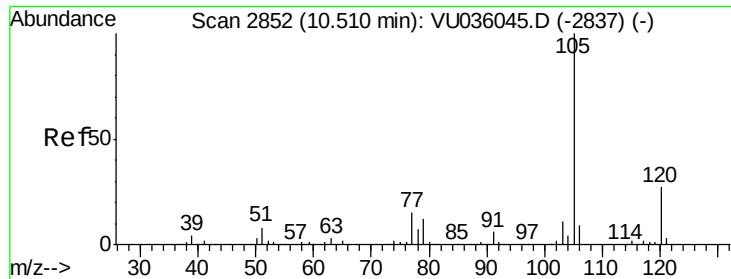
Tgt Ion:106 Resp: 197981
Ion Ratio Lower Upper
106 100
91 210.3 140.6 261.2



#55
Styrene
Concen: 5.057 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036122.D
Acq: 11 Dec 2019 10:02

Tgt Ion:104 Resp: 347289
Ion Ratio Lower Upper
104 100
78 45.2 30.5 56.7





#56

Isopropylbenzene

Concen: 4.840 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

BFB

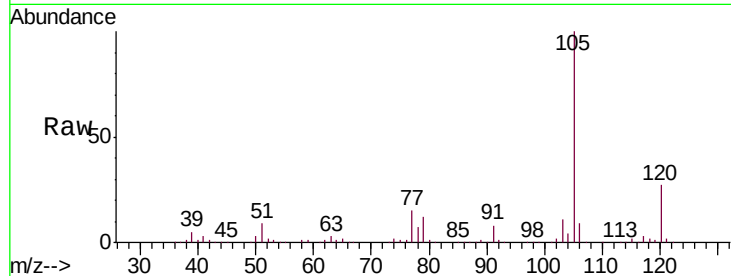
Tgt Ion: 105 Resp: 511414

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

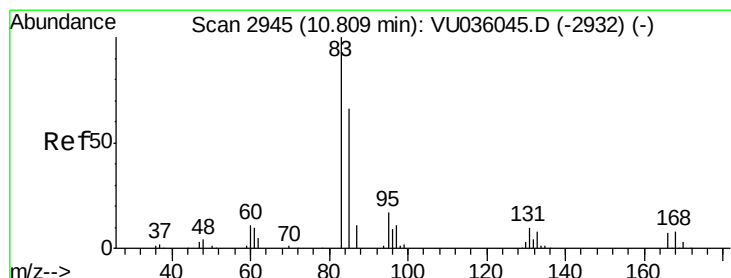
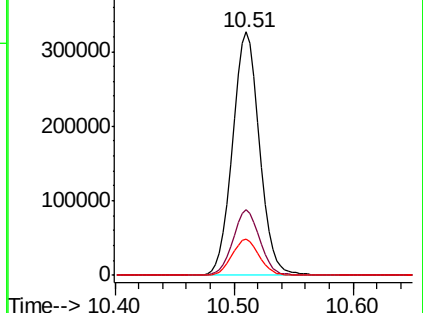
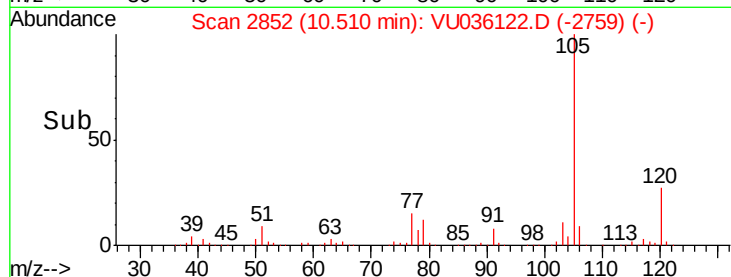
77 15.1 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.879 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

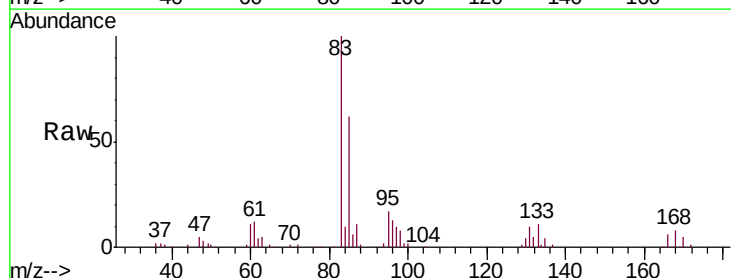
Tgt Ion: 83 Resp: 121429

Ion Ratio Lower Upper

83 100

85 61.6 45.4 84.2

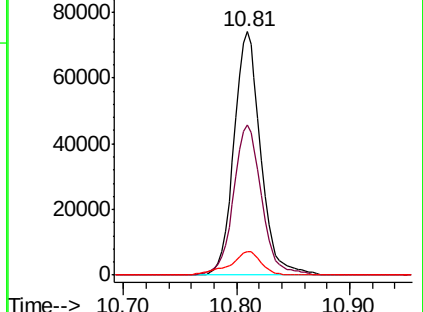
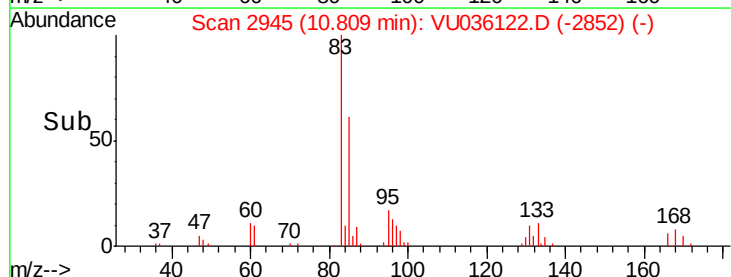
131 9.9 9.0 13.4

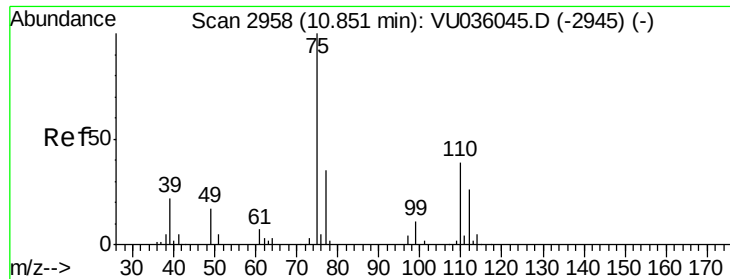


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

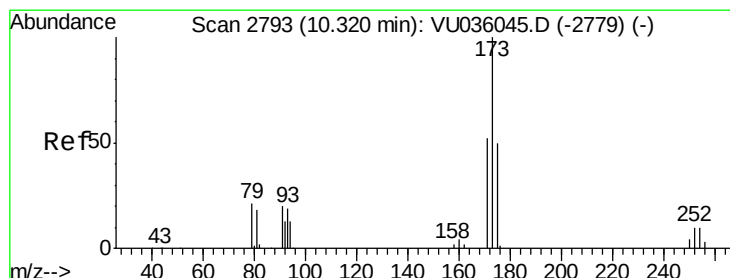
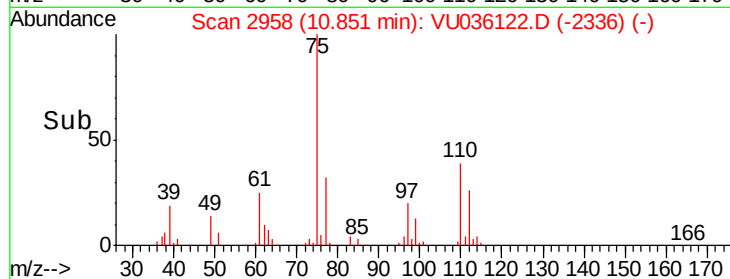
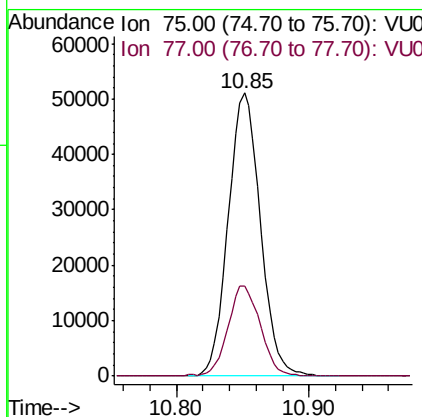
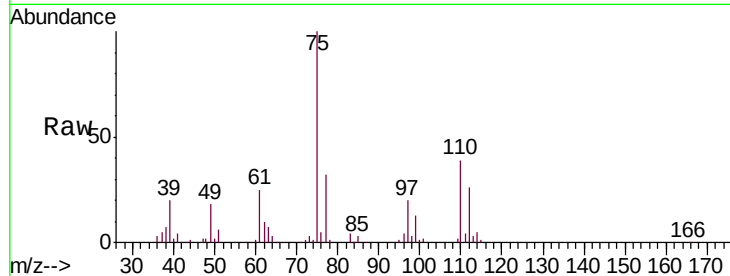




#59
 1,2,3-Trichloropropane
 Concen: 5.033 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

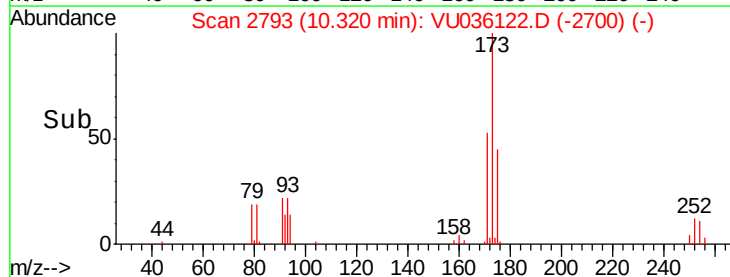
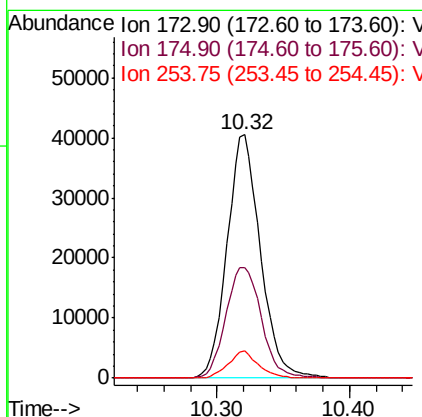
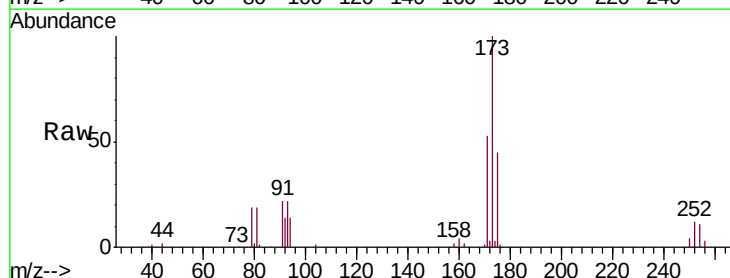
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

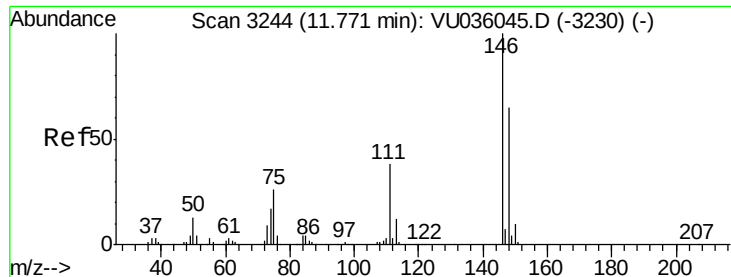
Tgt Ion: 75 Resp: 86030
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.7 40.1



#61
 Bromoform
 Concen: 4.067 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

Tgt Ion: 173 Resp: 70719
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.4 59.0
 254 10.0 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 4.910 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

BFB

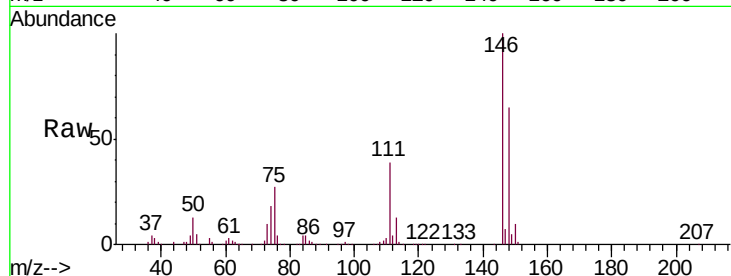
Tgt Ion:146 Resp: 280643

Ion Ratio Lower Upper

146 100

111 38.8 26.0 48.2

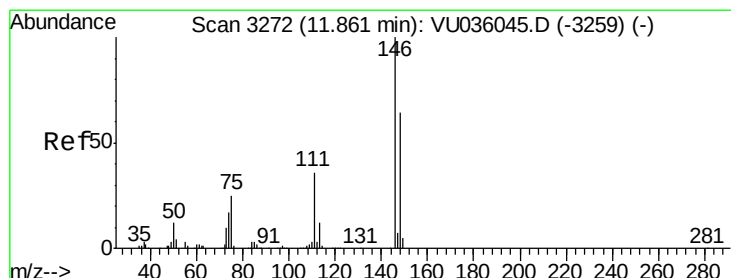
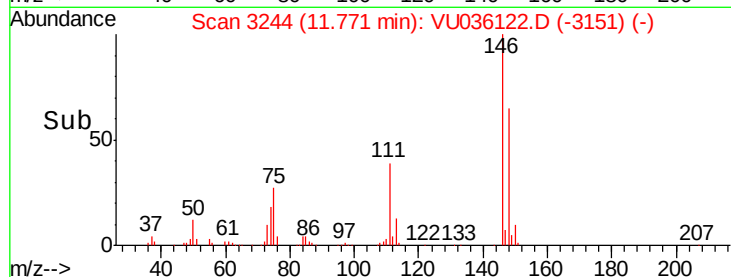
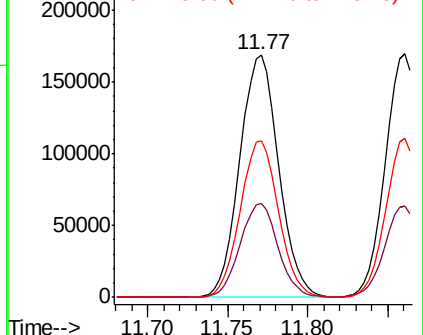
148 64.5 43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.912 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

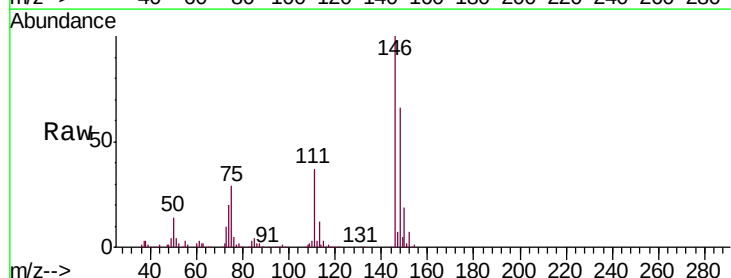
Tgt Ion:146 Resp: 276586

Ion Ratio Lower Upper

146 100

111 37.3 26.2 48.6

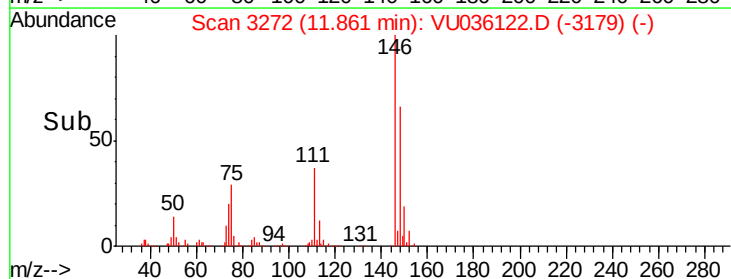
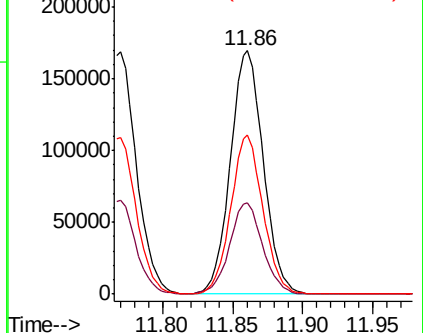
148 65.5 44.9 83.5

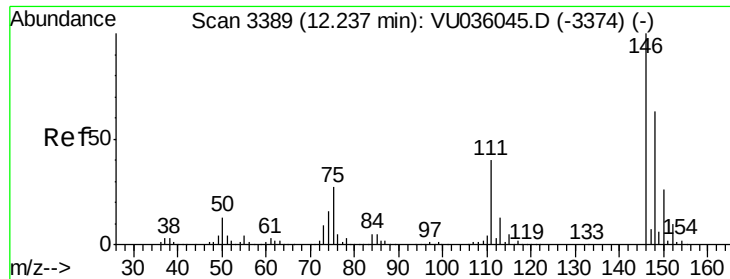


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

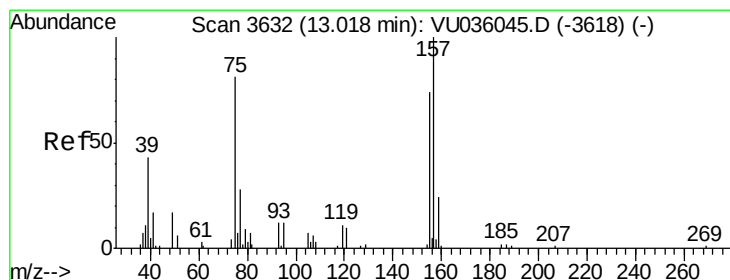
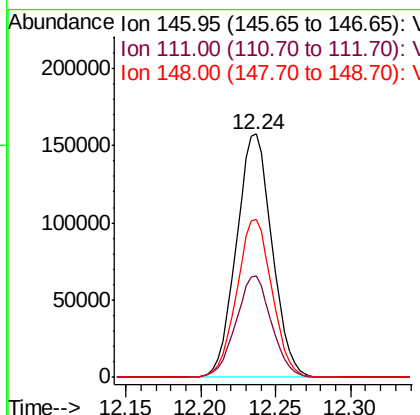
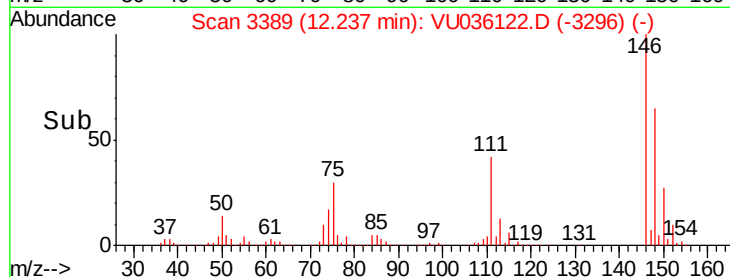
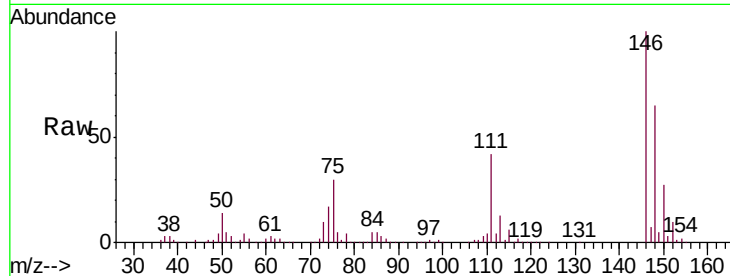




#65
 1,2-Dichlorobenzene
 Concen: 4.627 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

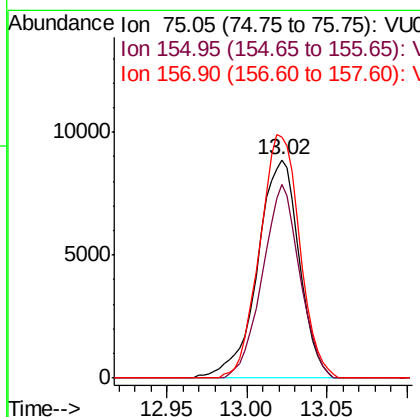
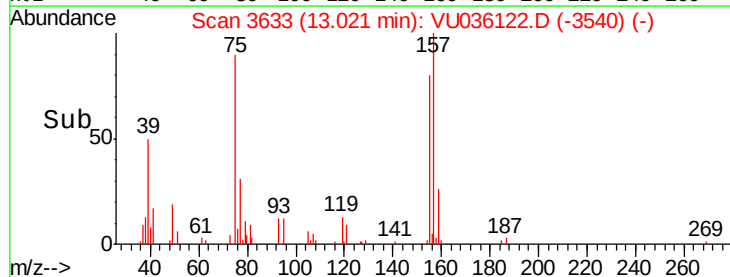
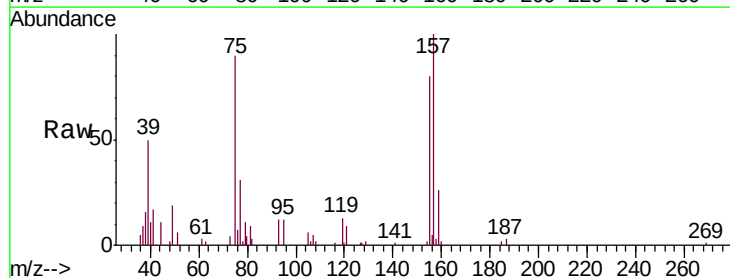
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

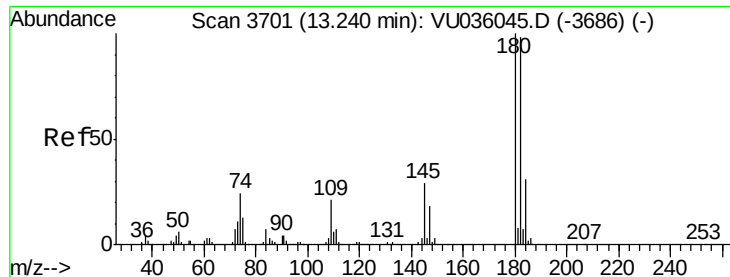
Tgt Ion: 146 Resp: 261316
 Ion Ratio Lower Upper
 146 100
 111 41.6 31.3 46.9
 148 65.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.494 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

Tgt Ion: 75 Resp: 15944
 Ion Ratio Lower Upper
 75 100
 155 88.7 70.0 105.0
 157 110.6 90.5 135.7

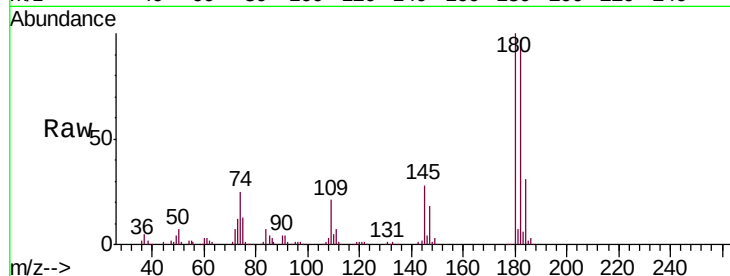




#67
 1,3,5-Trichlorobenzene
 Concen: 4.640 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.2	112.8
184	30.3	24.2	36.2
145	28.4	21.7	32.5



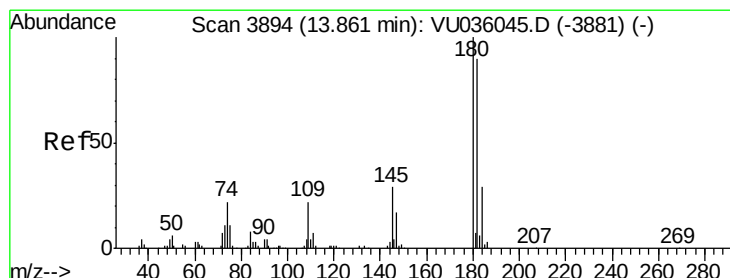
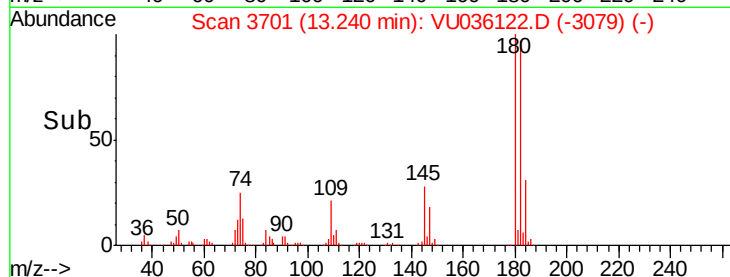
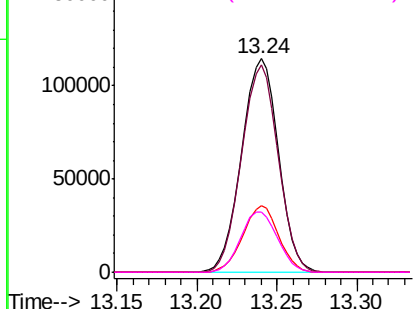
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

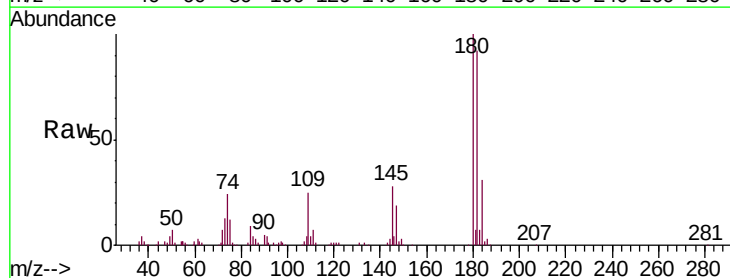
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.554 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036122.D
 Acq: 11 Dec 2019 10:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	74.3	111.5
145	27.7	22.1	33.1

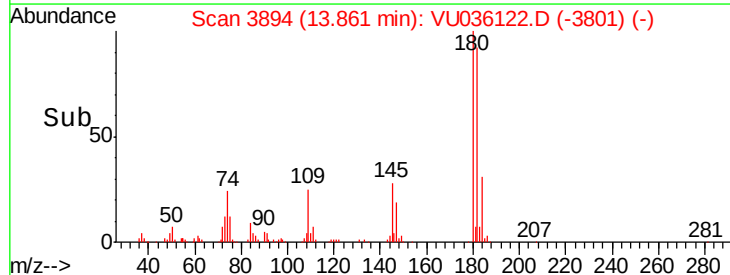
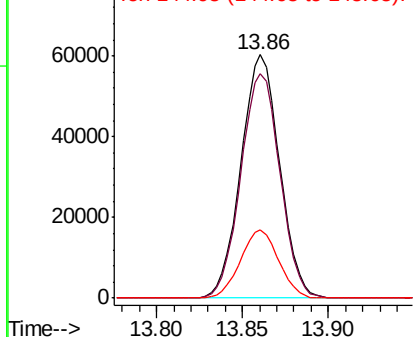


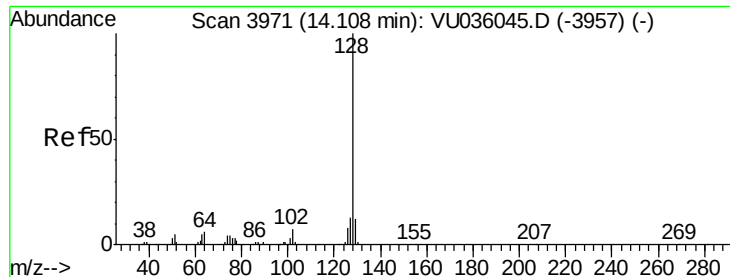
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.716 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

Instrument :

MSVOA_U

ClientSampleId :

BFB

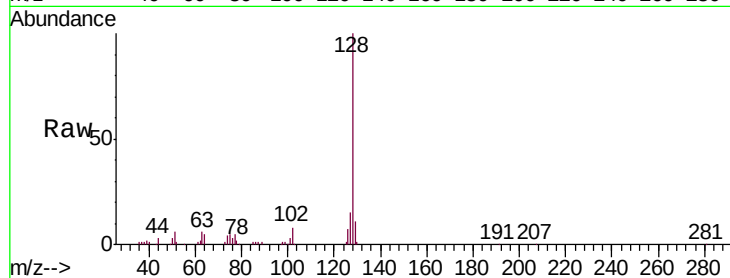
Tgt Ion:128 Resp: 73541

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

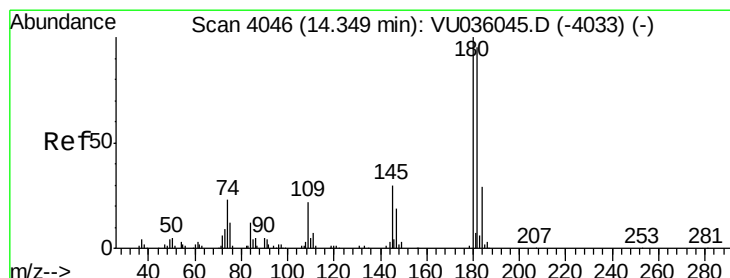
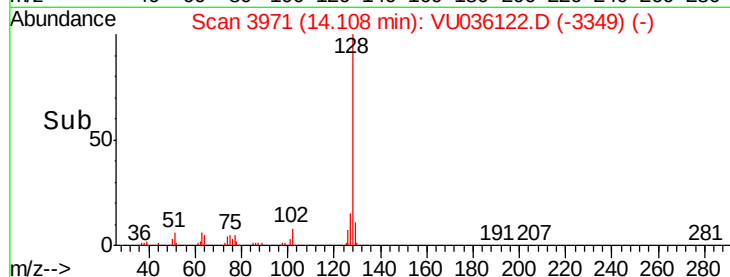
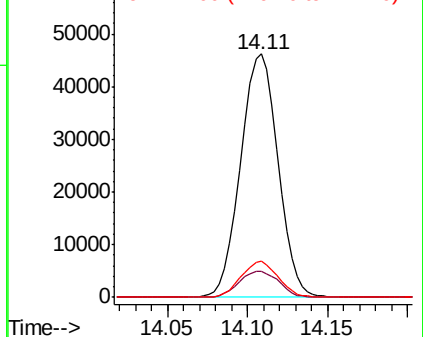
127 14.5 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.503 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036122.D

Acq: 11 Dec 2019 10:02

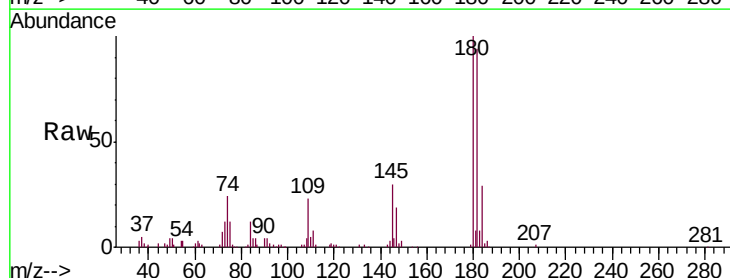
Tgt Ion:180 Resp: 88788

Ion Ratio Lower Upper

180 100

182 94.6 76.9 115.3

145 30.0 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

