

Data File : VU030472.D
Acq On : 27 Mar 2019 10:34
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Quant Time: Mar 28 01:23:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	408429	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	389894	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182558	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	175172	53.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.58%
7) Chloroethane-d5	1.67	69	140721	54.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.02%
11) 1,1-Dichloroethene-d2	2.27	63	329767	52.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.78%
21) 2-Butanone-d5	4.17	46	329760	106.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.72%
24) Chloroform-d	4.64	84	307997	54.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.76%
26) 1,2-Dichloroethane-d4	5.31	65	198387	53.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.06%
32) Benzene-d6	5.33	84	591369	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.78%
36) 1,2-Dichloropropane-d6	6.32	67	209581	54.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.58%
41) Toluene-d8	7.56	98	529649	52.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.48%
43) trans-1,3-Dichloropropene-	7.85	79	93735	52.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.22%
47) 2-Hexanone-d5	8.31	63	224119	108.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.11%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	298794	54.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	193193	52.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.64%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	229136	50.847	ug/L	100
3) Chloromethane	1.33	50	264796	52.539	ug/L	98
5) Vinyl chloride	1.40	62	247213	51.727	ug/L	100
6) Bromomethane	1.61	94	108503	49.489	ug/L	97
8) Chloroethane	1.69	64	143710	53.263	ug/L	97
9) Trichlorofluoromethane	1.88	101	281390	53.992	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	158793	53.271	ug/L	97
12) 1,1-Dichloroethene	2.28	96	151634	51.890	ug/L	98
13) Acetone	2.32	43	343184	109.824	ug/L	100
14) Carbon disulfide	2.47	76	476472	49.314	ug/L	100
15) Methyl Acetate	2.61	43	245795	51.370	ug/L #	100
16) Methylene chloride	2.70	84	178329	51.766	ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	157094	51.242	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	536383	52.906	ug/L	99
19) 1,1-Dichloroethane	3.44	63	336455	53.492	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	176752	51.408	ug/L	97
22) 2-Butanone	4.26	43	410200	108.604	ug/L	98

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	83426	52.204	ug/L	94
25) Chloroform	4.67	83	313826	52.477	ug/L	99
27) 1,2-Dichloroethane	5.40	62	252917	53.897	ug/L	98
29) Cyclohexane	4.99	56	318543	53.987	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	258012	54.044	ug/L	99
31) Carbon tetrachloride	5.13	117	220299	54.441	ug/L	99
33) Benzene	5.39	78	707954	53.340	ug/L	100
34) Trichloroethene	6.18	95	166609	51.064	ug/L	100
35) Methylcyclohexane	6.41	83	282314	52.581	ug/L	98
37) 1,2-Dichloropropane	6.43	63	197836	52.525	ug/L	100
38) Bromodichloromethane	6.75	83	239127	53.431	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	294503	54.398	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	666784	105.392	ug/L	98
42) Toluene	7.63	91	739336	53.674	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	260114	54.604	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	167597	52.662	ug/L	100
46) Tetrachloroethene	8.22	164	122454	53.733	ug/L	97
48) 2-Hexanone	8.36	43	541262	104.384	ug/L	99
49) Dibromochloromethane	8.47	129	174482	52.764	ug/L	99
50) 1,2-Dibromoethane	8.58	107	180233	52.769	ug/L	98
51) Chlorobenzene	9.12	112	439184	52.608	ug/L	99
52) Ethylbenzene	9.25	91	807446	54.113	ug/L	100
53) m,p-Xylene	9.37	106	286338	53.146	ug/L	99
54) o-xylene	9.77	106	286803	54.556	ug/L	98
55) Styrene	9.79	104	492821	54.421	ug/L	99
56) Isopropylbenzene	10.16	105	753651	54.142	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	309786	52.815	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	238903	52.110	ug/L	99
61) Bromoform	9.95	173	130957	53.954	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	311308	52.144	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	314780	51.216	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	325200	53.870	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	67437	50.170	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	237578	53.157	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	193184	49.747	ug/L	99
69) Naphthalene	13.74	128	602600	43.640	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	204118	49.777	ug/L	97

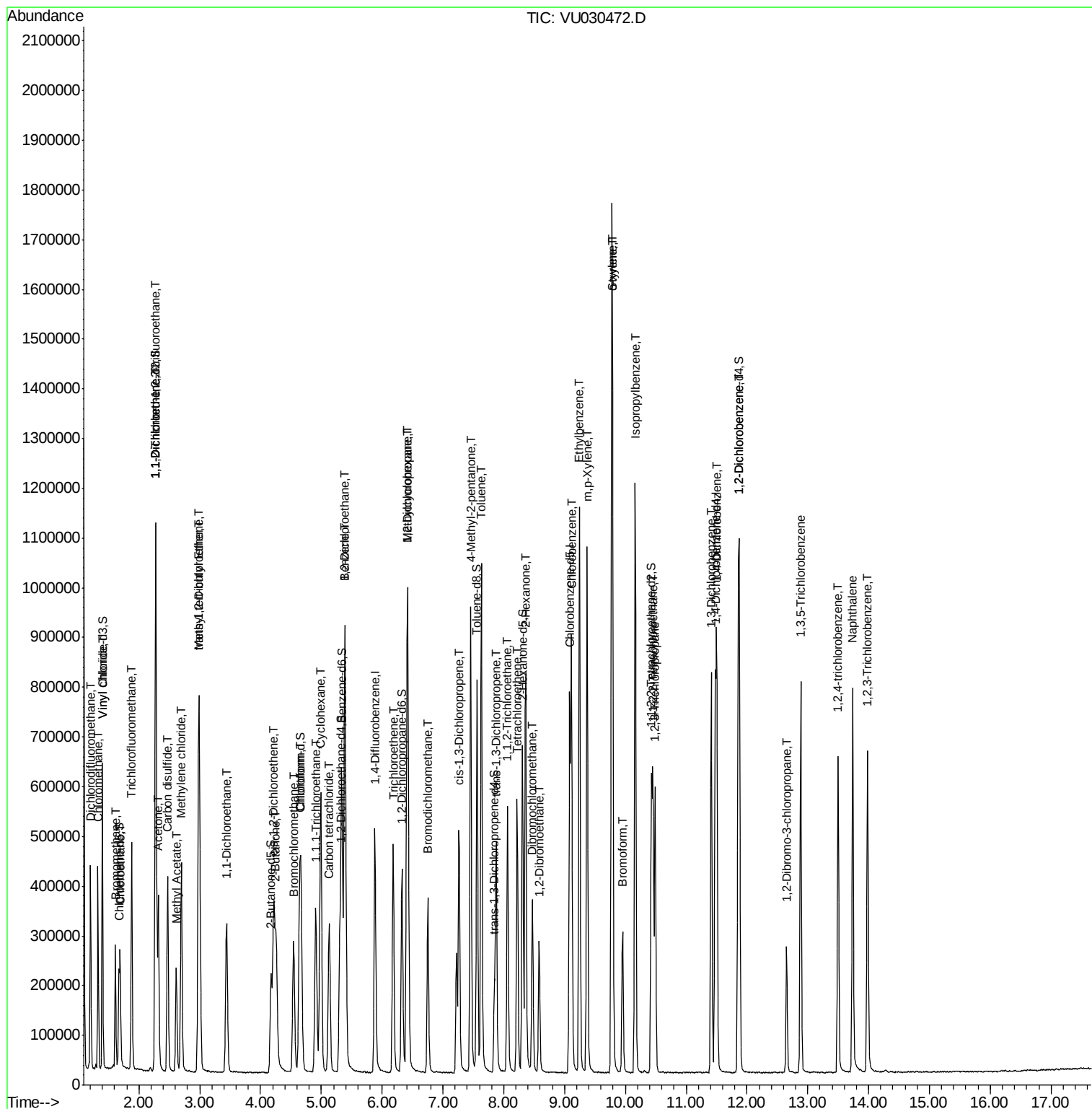
(#) = qualifier out of range (m) = manual integration (+) = signals summed

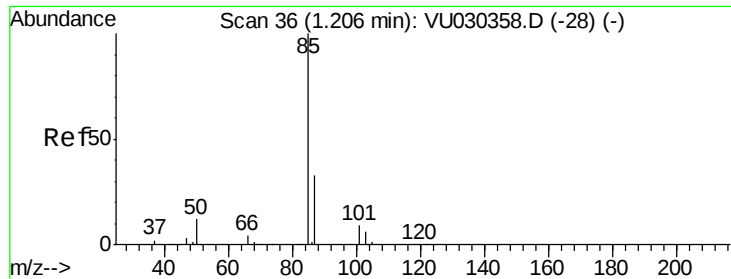
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#2

Dichlorodifluoromethane

Concen: 50.847 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

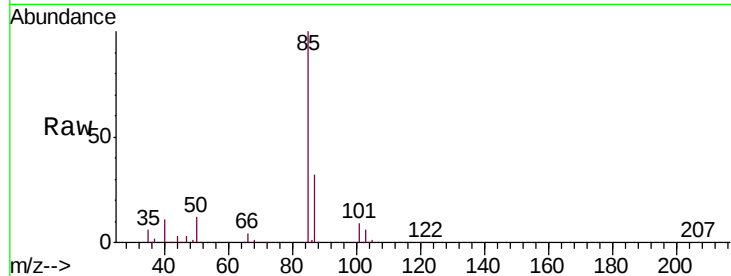
BFB45

Tgt Ion: 85 Resp: 229136

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU030358.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030358.D (-28) (-)

1.21

250000

200000

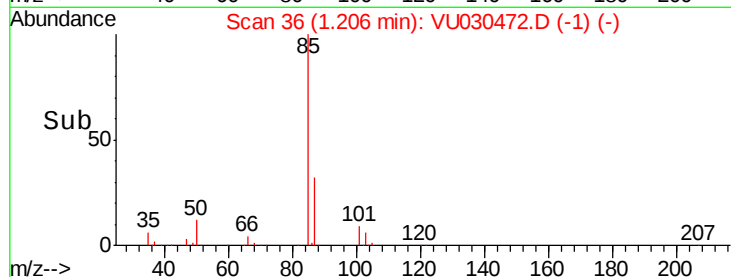
150000

100000

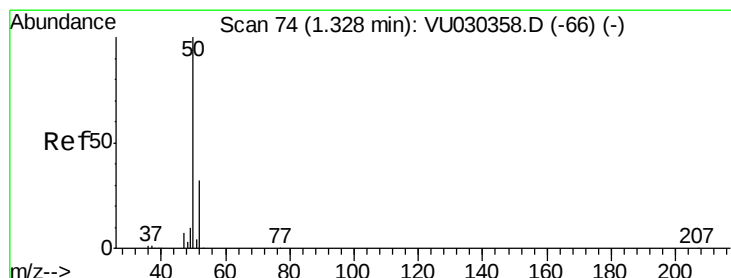
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 52.539 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030472.D

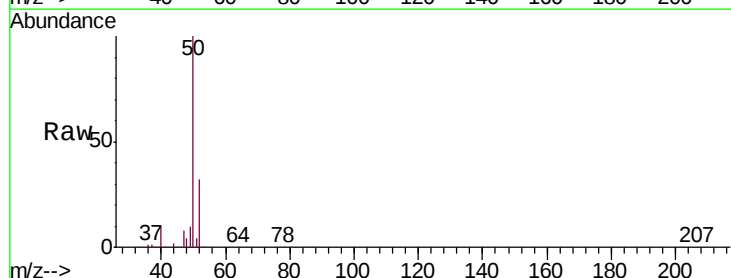
Acq: 27 Mar 2019 10:34

Tgt Ion: 50 Resp: 264796

Ion Ratio Lower Upper

50 100

52 31.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030358.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU030358.D (-66) (-)

1.33

300000

250000

200000

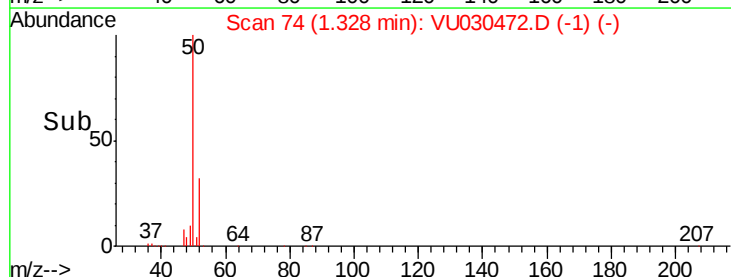
150000

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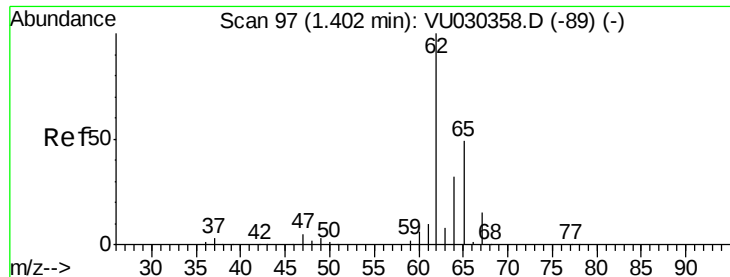
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 51.727 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampled :

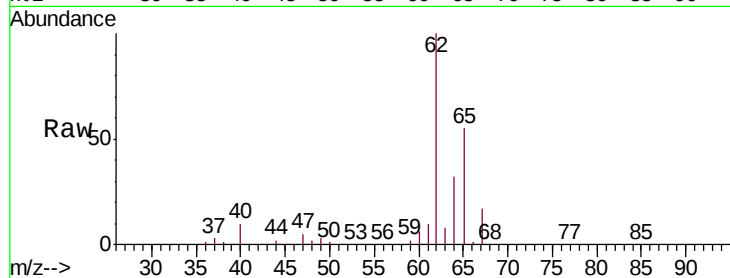
BFB45

Tgt Ion: 62 Resp: 247213

Ion Ratio Lower Upper

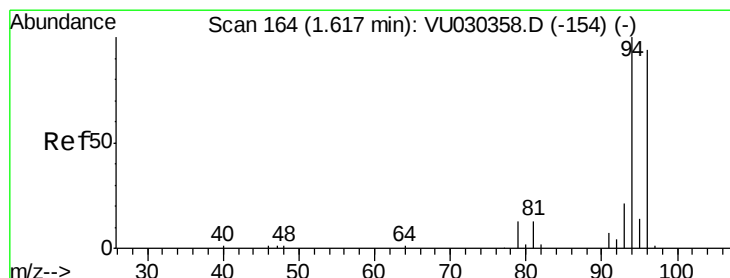
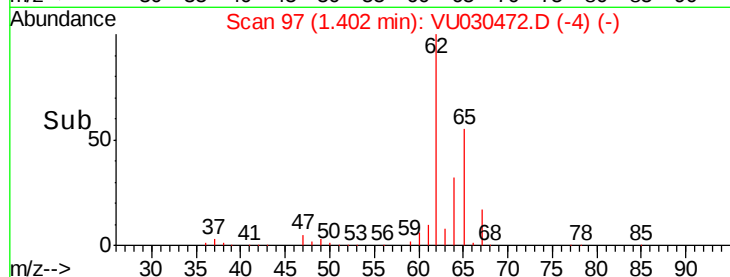
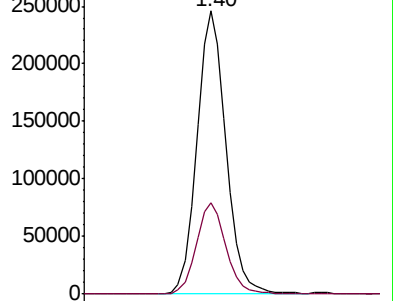
62 100

64 32.4 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU030358.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU030358.D (-89) (-)



#6

Bromomethane

Concen: 49.489 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU030472.D

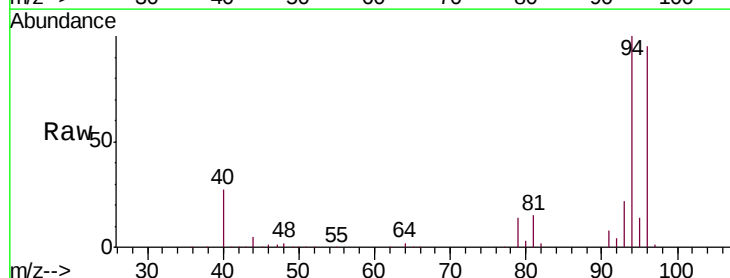
Acq: 27 Mar 2019 10:34

Tgt Ion: 94 Resp: 108503

Ion Ratio Lower Upper

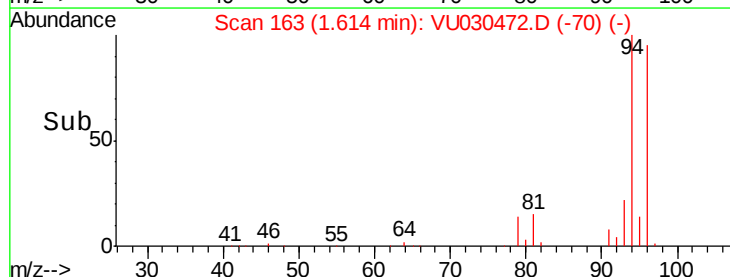
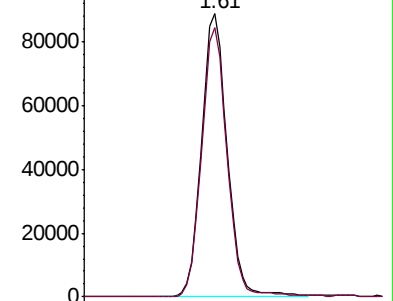
94 100

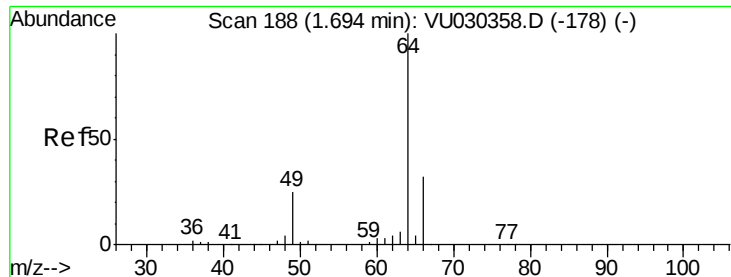
96 95.3 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU030358.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU030358.D (-154) (-)





#8

Chloroethane

Concen: 53.263 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

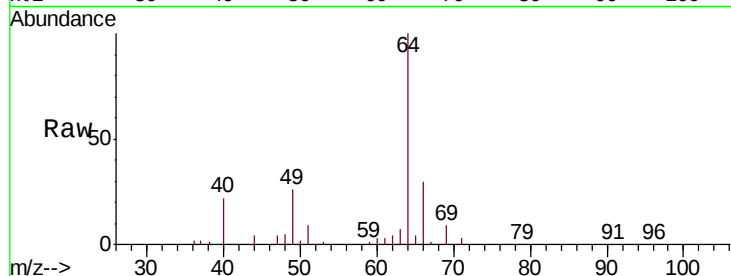
BFB45

Tgt Ion: 64 Resp: 143710

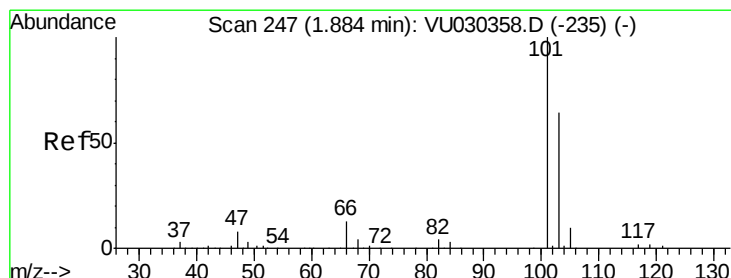
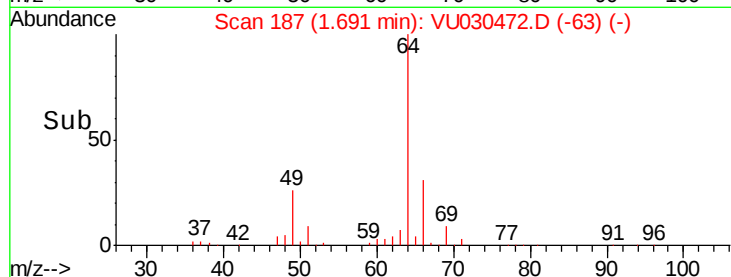
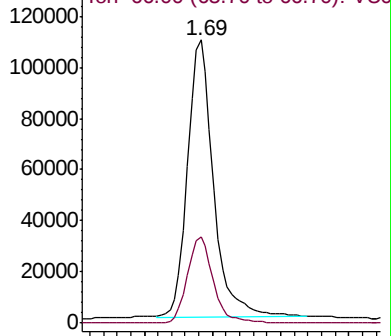
Ion Ratio Lower Upper

64 100

66 30.3 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU030358.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 53.992 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU030472.D

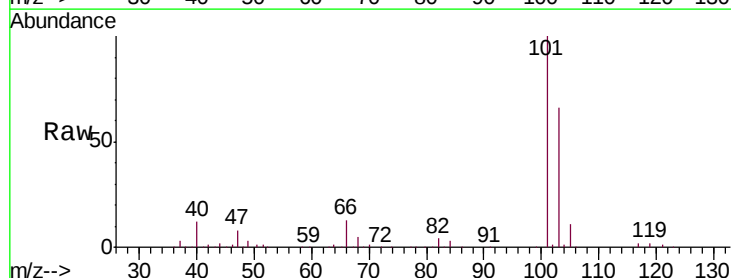
Acq: 27 Mar 2019 10:34

Tgt Ion: 101 Resp: 281390

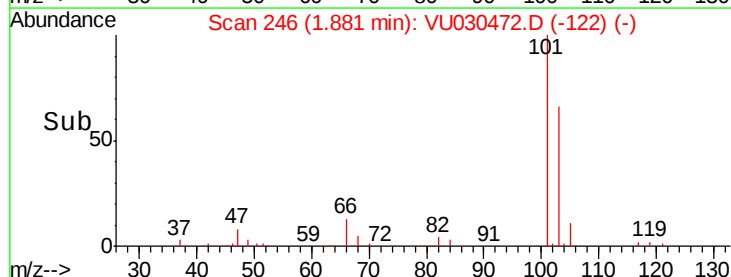
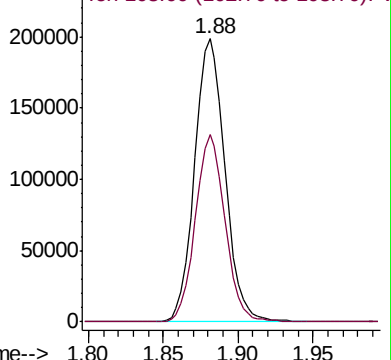
Ion Ratio Lower Upper

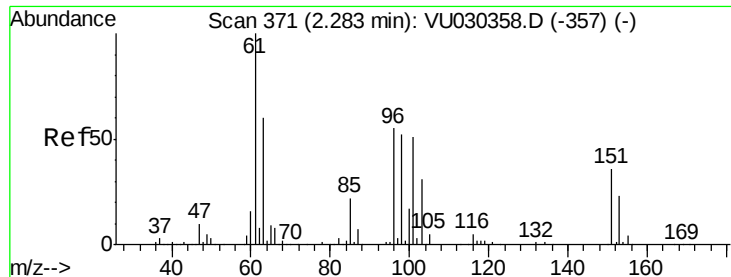
101 100

103 64.5 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU030358.D (-235) (-)





#10

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

Concen: 53.271 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

BFB45

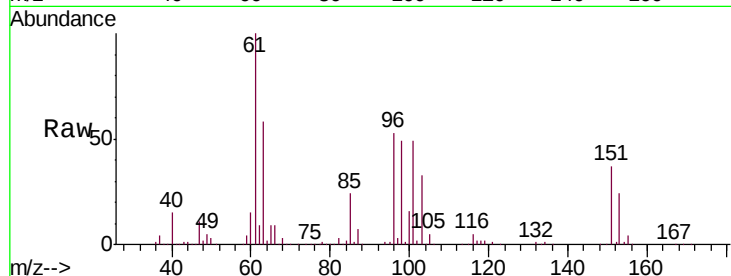
Tgt Ion: 101 Resp: 158793

Ion Ratio Lower Upper

101 100

85 45.8 34.8 52.2

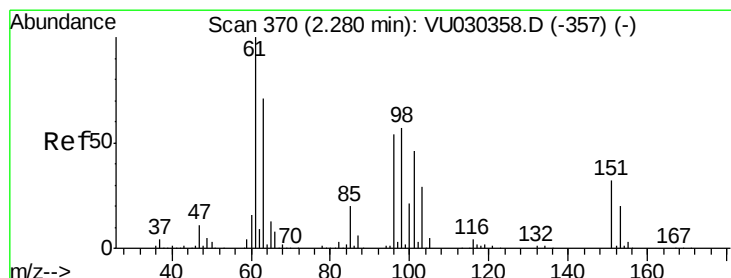
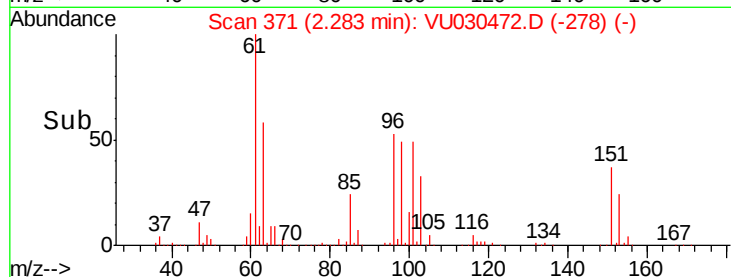
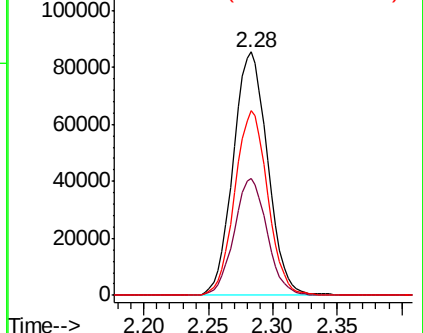
151 72.7 56.6 85.0



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: 51.890 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

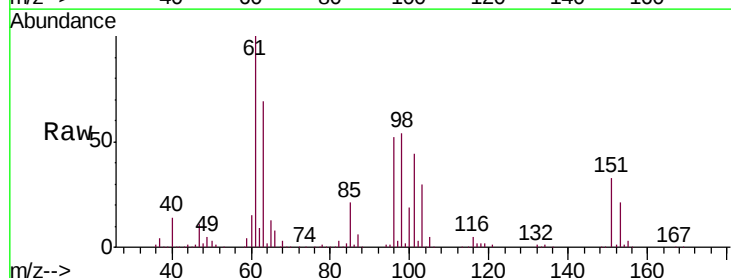
Tgt Ion: 96 Resp: 151634

Ion Ratio Lower Upper

96 100

61 191.2 131.0 243.4

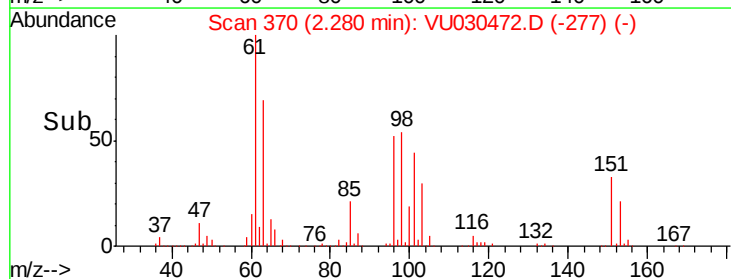
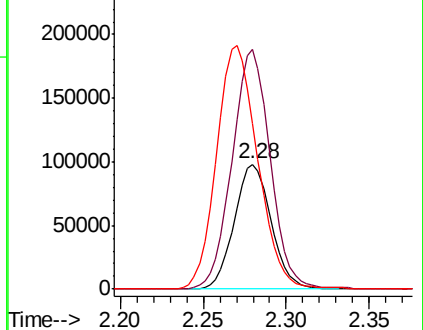
63 132.7 92.4 171.6

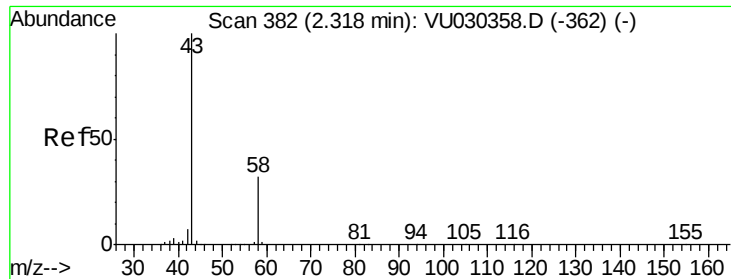


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 109.824 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

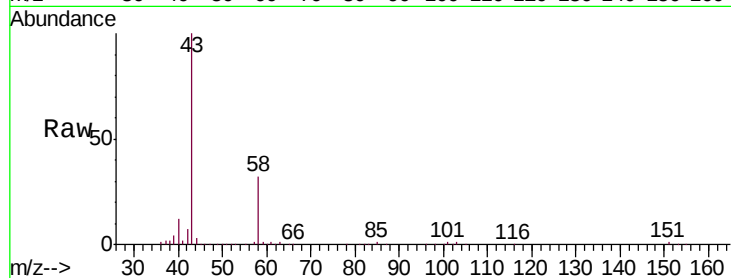
BFB45

Tgt Ion: 43 Resp: 343184

Ion Ratio Lower Upper

43 100

58 31.5 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030358.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030358.D (-362) (-)

2.32

200000

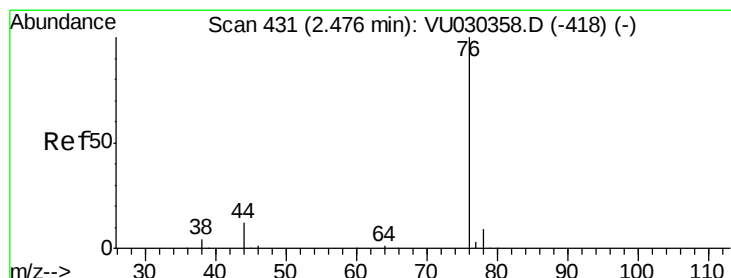
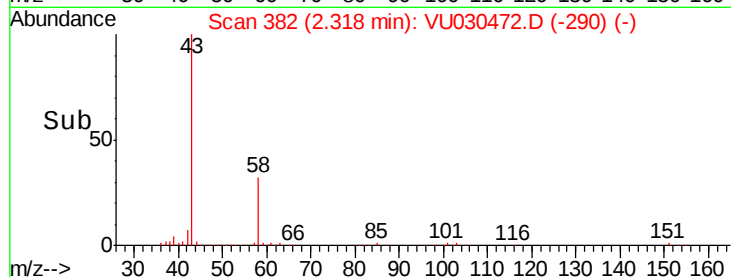
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 49.314 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU030472.D

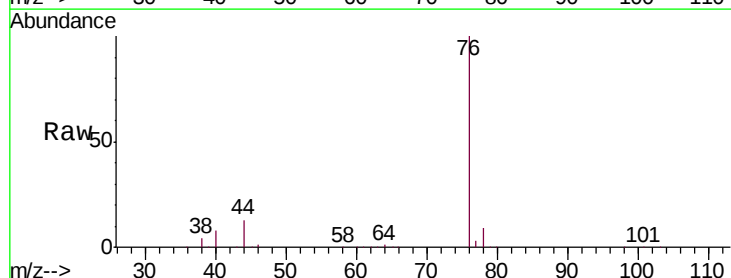
Acq: 27 Mar 2019 10:34

Tgt Ion: 76 Resp: 476472

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030358.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030358.D (-418) (-)

2.47

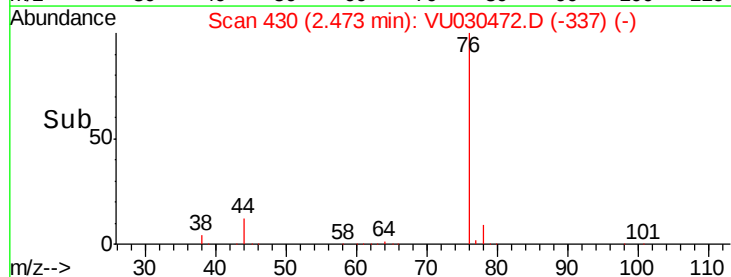
300000

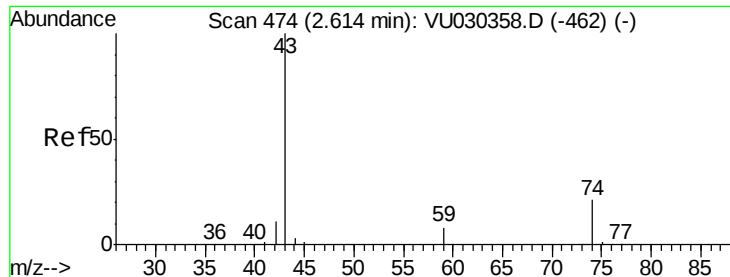
200000

100000

0

Time-->

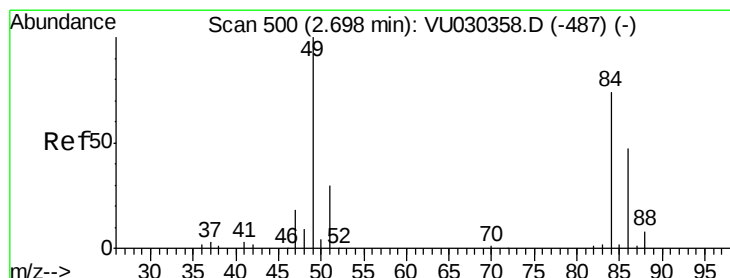
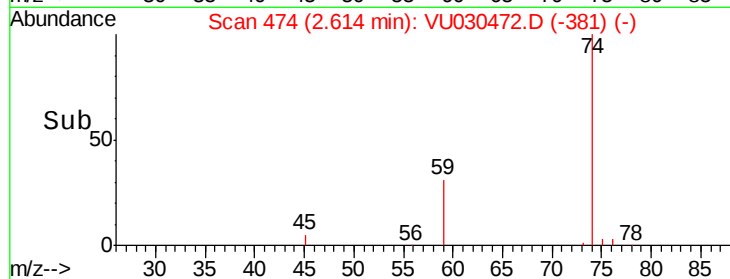
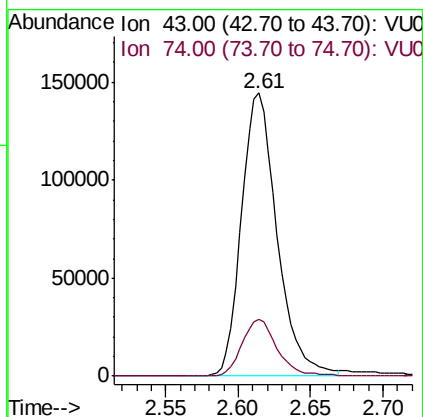
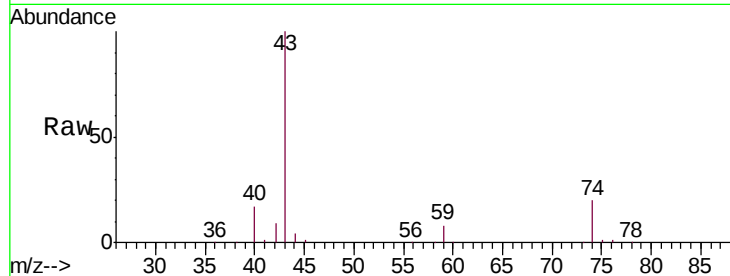




#15
Methyl Acetate
Concen: 51.370 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

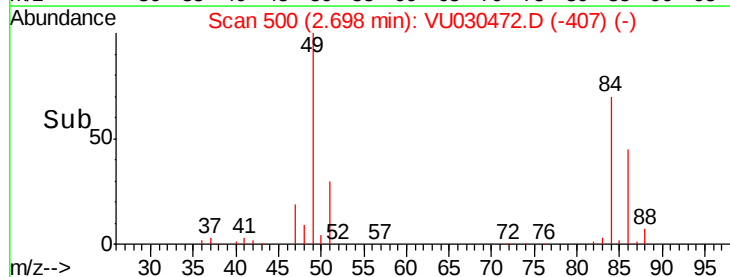
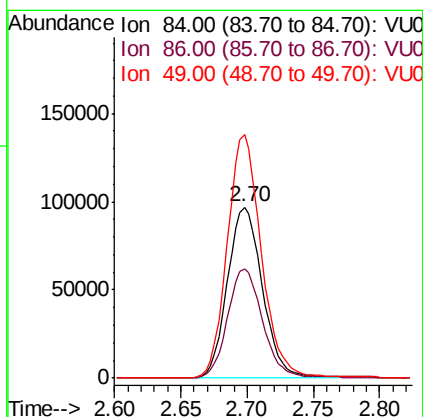
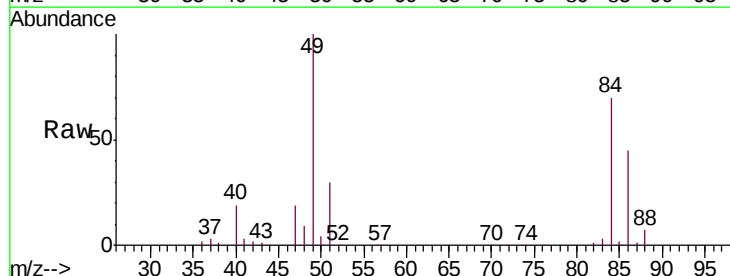
Instrument :
MSVOA_U
ClientSampleId :
BFB45

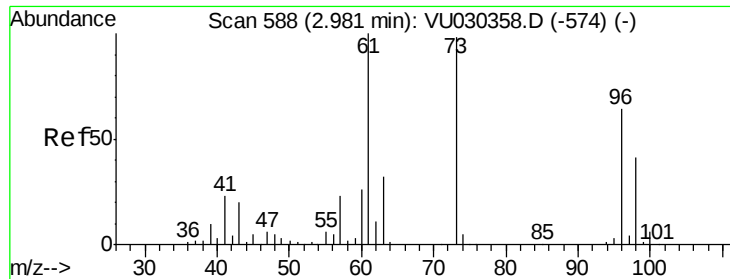
Tgt Ion: 43 Resp: 245795
Ion Ratio Lower Upper
43 100
74 20.0 0.0 0.0#



#16
Methylene chloride
Concen: 51.766 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

Tgt Ion: 84 Resp: 178329
Ion Ratio Lower Upper
84 100
86 63.9 44.3 82.3
49 142.4 94.9 176.3

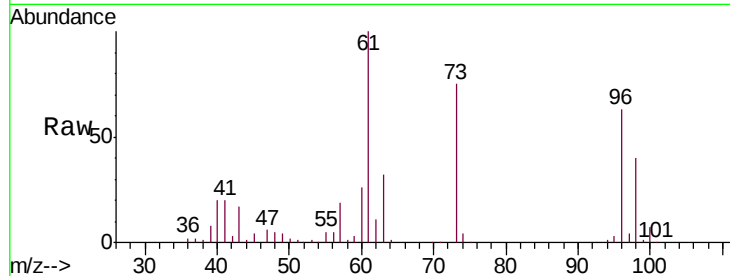




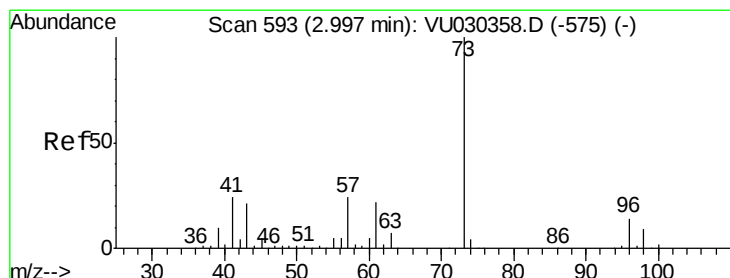
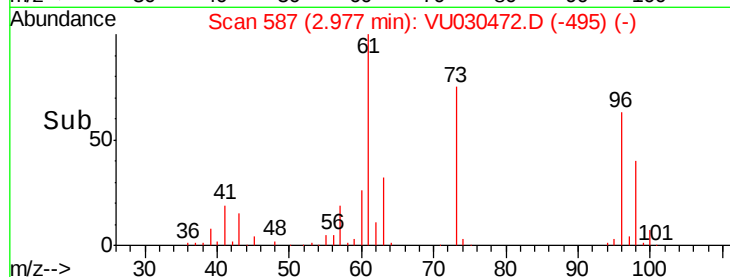
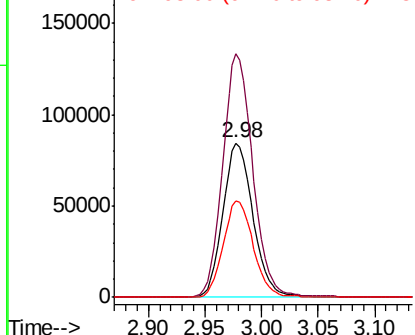
#17
trans-1,2-Dichloroethene
Concen: 51.242 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Tgt Ion: 96 Resp: 157094
Ion Ratio Lower Upper
96 100
61 157.8 108.6 201.8
98 62.7 42.3 78.5

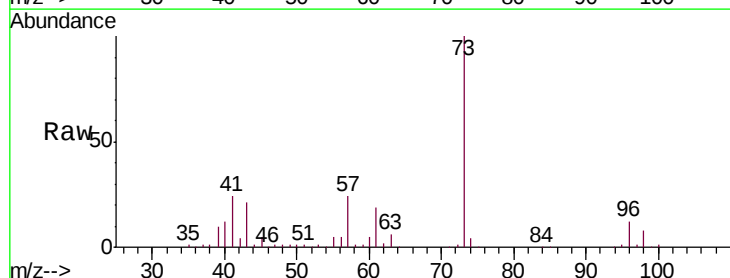


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

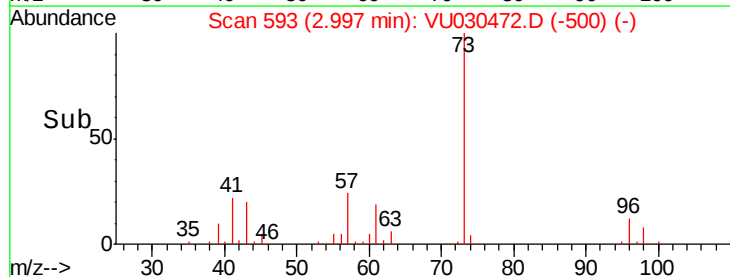
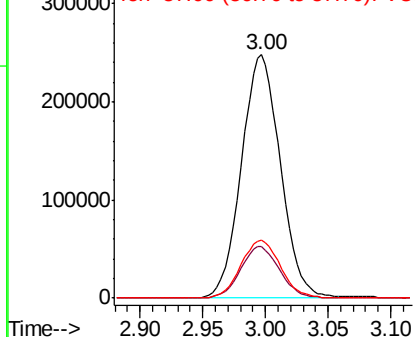


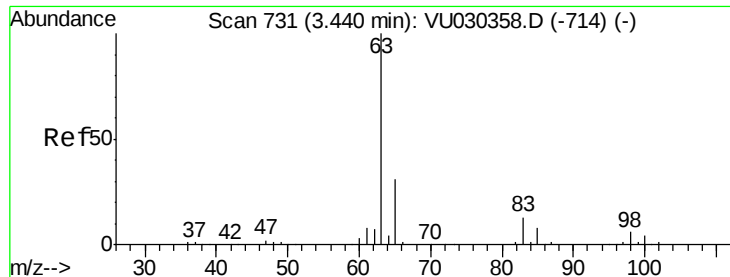
#18
Methyl tert-butyl Ether
Concen: 52.906 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

Tgt Ion: 73 Resp: 536383
Ion Ratio Lower Upper
73 100
43 20.9 16.6 24.8
57 24.1 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

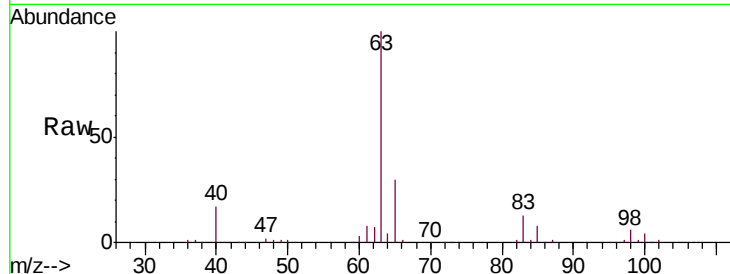




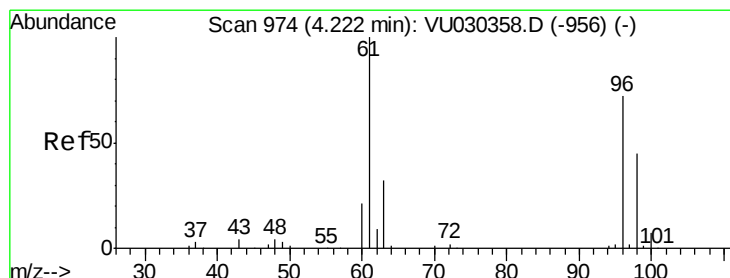
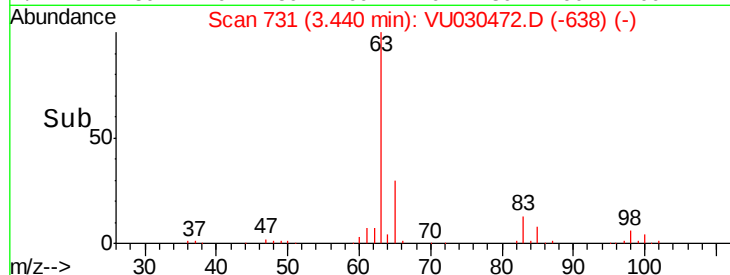
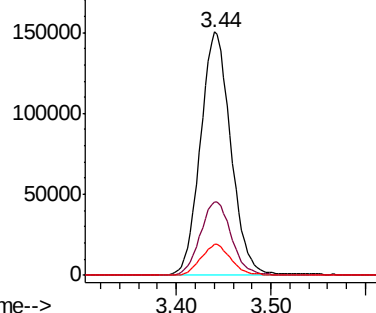
#19
 1,1-Dichloroethane
 Concen: 53.492 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

Tgt Ion: 63 Resp: 336455
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.0 40.8
 83 12.7 9.1 16.9

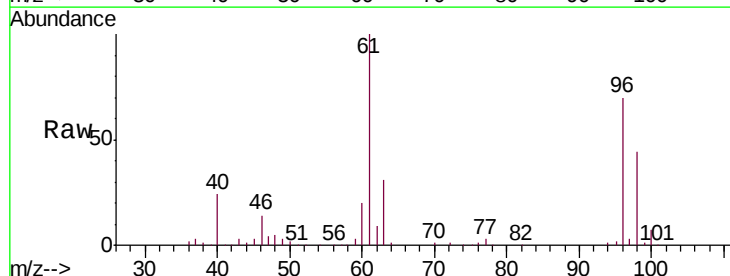


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

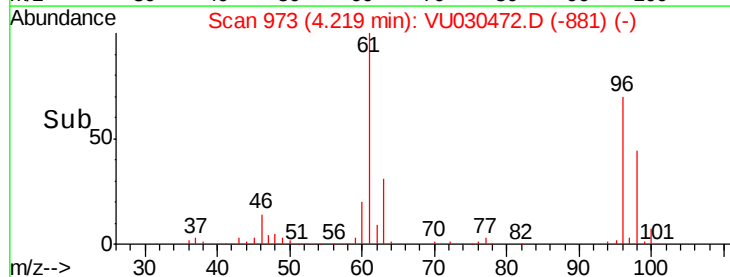
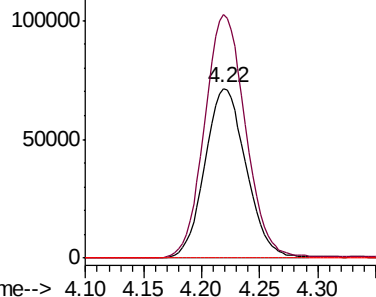


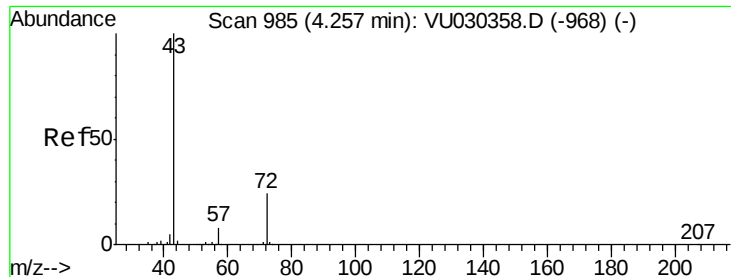
#20
 cis-1,2-Dichloroethene
 Concen: 51.408 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

Tgt Ion: 96 Resp: 176752
 Ion Ratio Lower Upper
 96 100
 61 143.7 98.4 182.8
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 108.604 ug/L

RT: 4.26 min Scan# 985

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

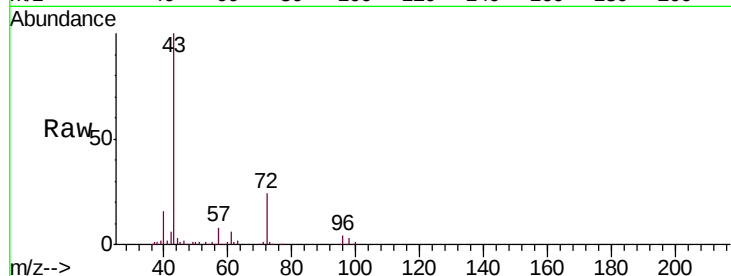
BFB45

Tgt Ion: 43 Resp: 410200

Ion Ratio Lower Upper

43 100

72 23.0 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030358.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU030358.D (-968) (-)

4.26

150000

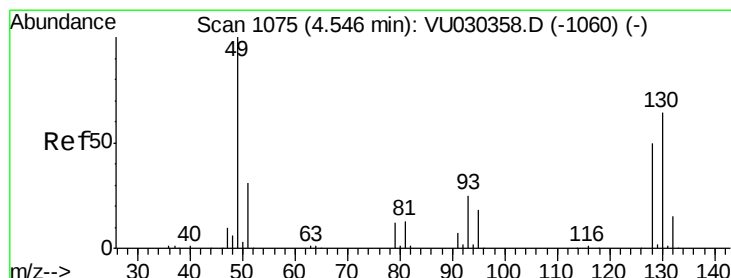
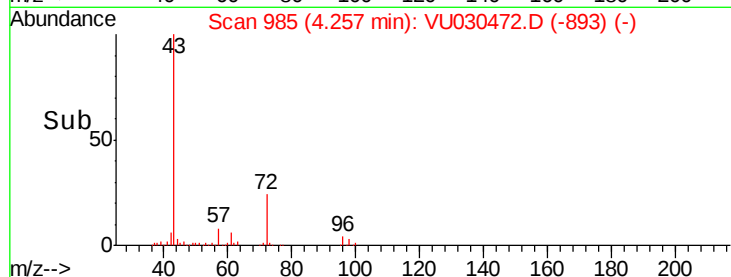
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 52.204 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Tgt Ion: 128 Resp: 83426

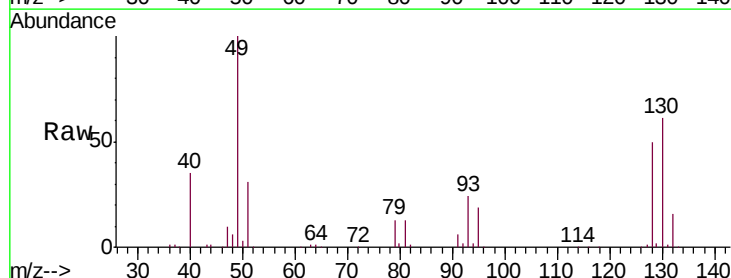
Ion Ratio Lower Upper

128 100

49 200.7 145.5 270.3

130 123.1 95.3 177.1

51 63.2 52.2 78.2



Abundance Ion 128.00 (127.70 to 128.70): VU030358.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU030358.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU030358.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU030358.D (-1060) (-)

100000

80000

60000

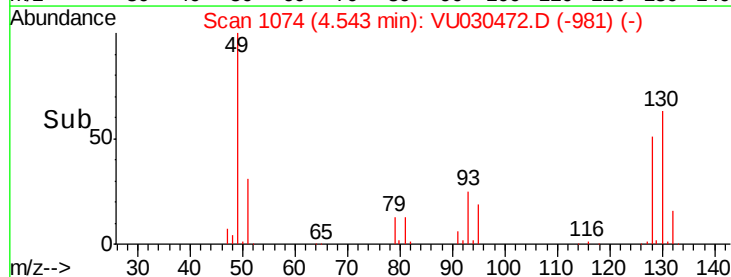
40000

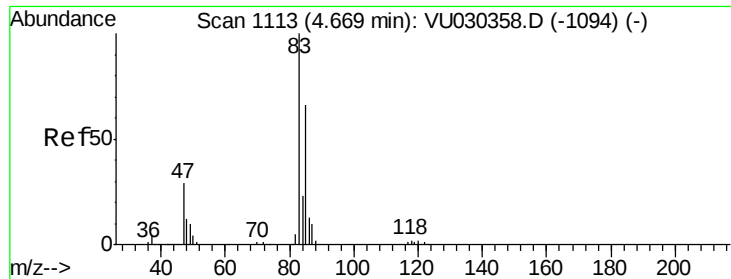
20000

0

4.50 4.54 4.60

Time-->

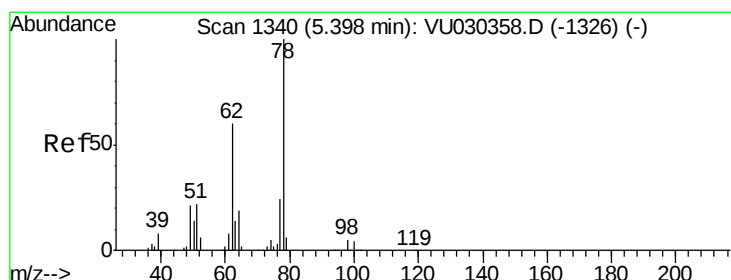
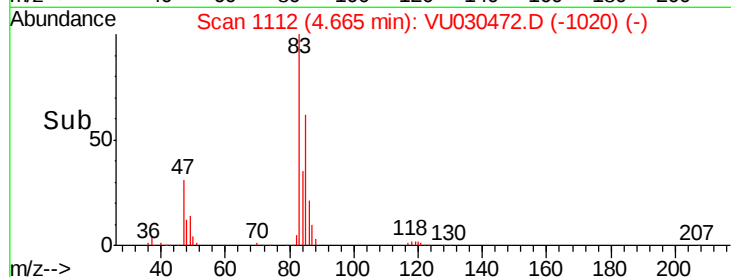
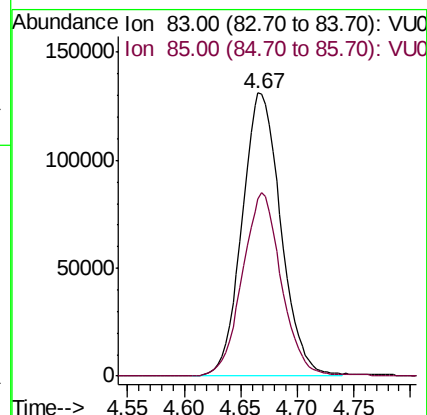
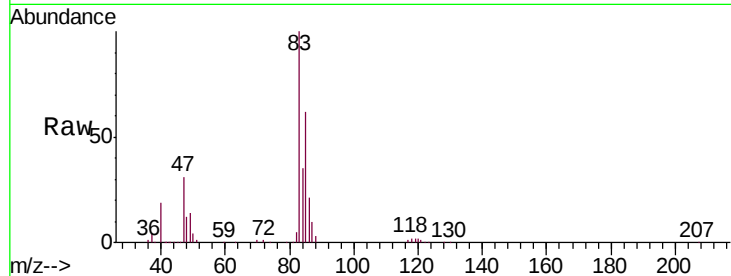




#25
Chloroform
Concen: 52.477 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

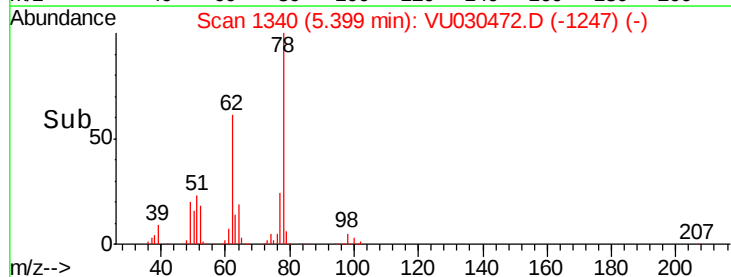
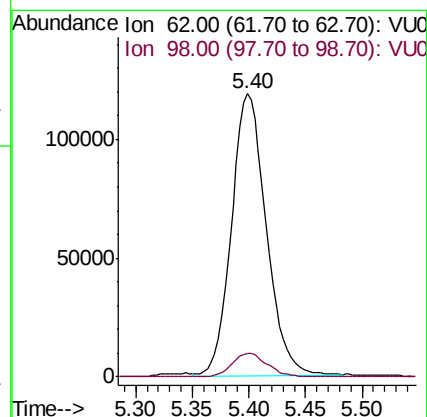
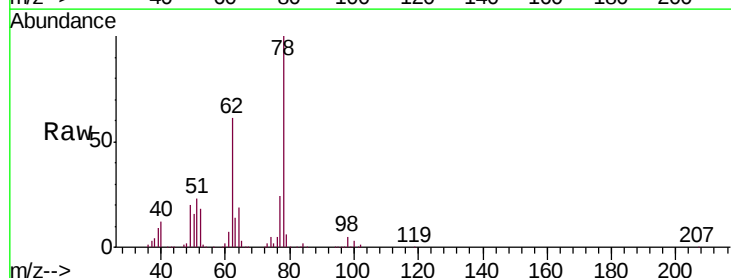
Instrument :
MSVOA_U
ClientSampleId :
BFB45

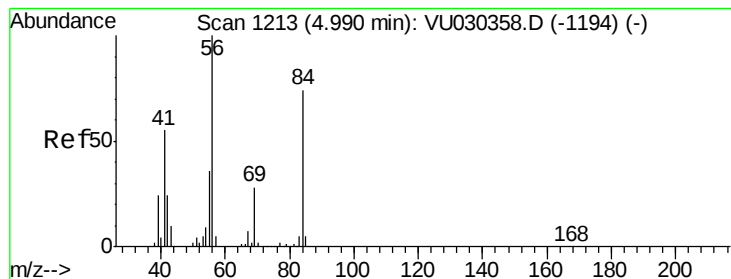
Tgt Ion: 83 Resp: 313826
Ion Ratio Lower Upper
83 100
85 62.5 44.4 82.4



#27
1,2-Dichloroethane
Concen: 53.897 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

Tgt Ion: 62 Resp: 252917
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8





#29

Cyclohexane

Concen: 53.987 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

BFB45

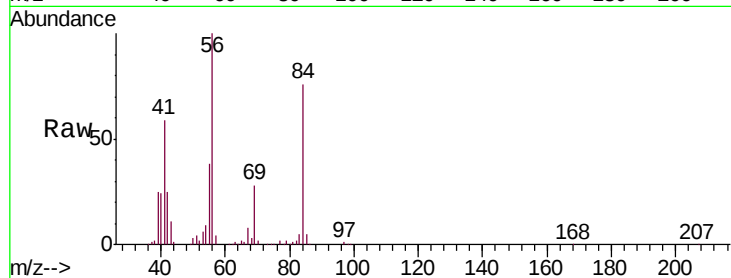
Tgt Ion: 56 Resp: 318543

Ion Ratio Lower Upper

56 100

69 27.8 22.9 34.3

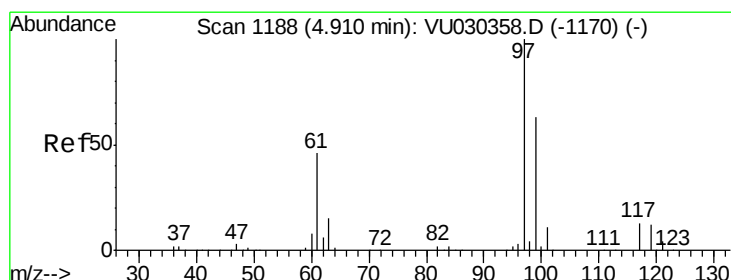
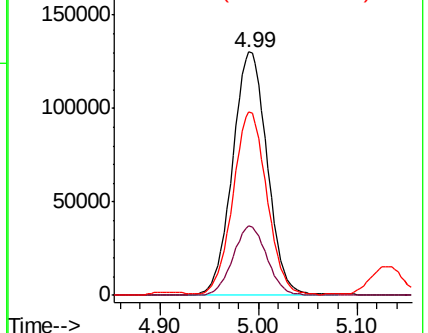
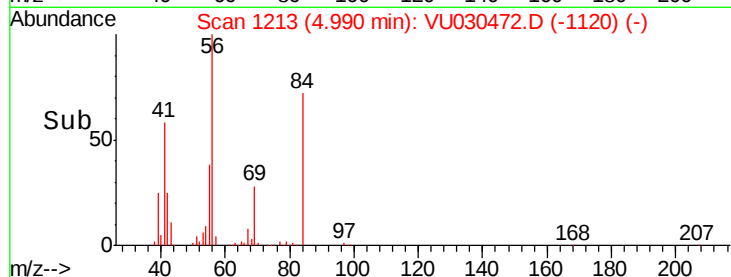
84 73.5 58.9 88.3



Abundance Ion 56.00 (55.70 to 56.70): VU030472.D (-1120) (-)

Ion 69.00 (68.70 to 69.70): VU030472.D (-1120) (-)

Ion 84.00 (83.70 to 84.70): VU030472.D (-1120) (-)



#30

1,1,1-Trichloroethane

Concen: 54.044 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

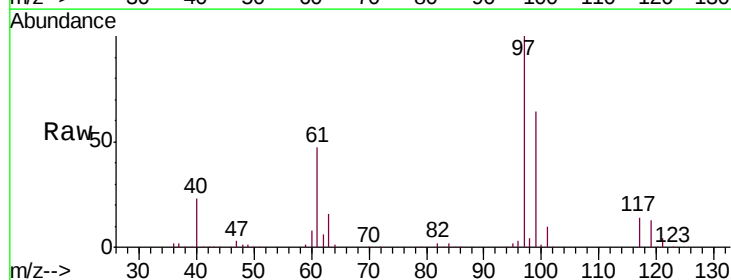
Tgt Ion: 97 Resp: 258012

Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

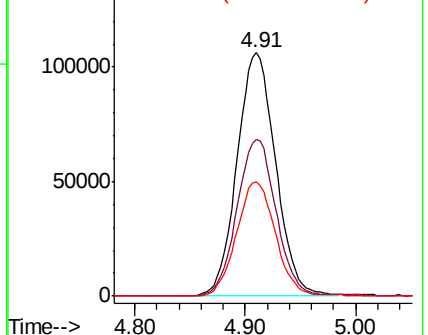
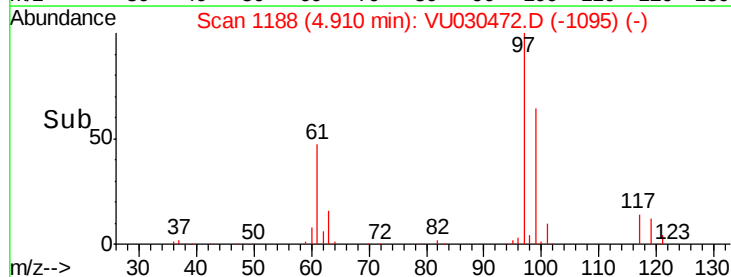
61 47.5 38.2 57.4

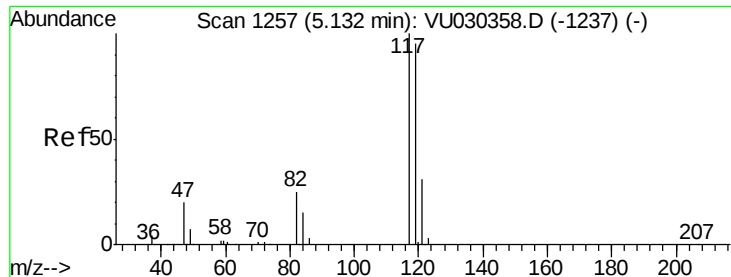


Abundance Ion 97.00 (96.70 to 97.70): VU030472.D (-1095) (-)

Ion 99.00 (98.70 to 99.70): VU030472.D (-1095) (-)

Ion 61.05 (60.75 to 61.75): VU030472.D (-1095) (-)

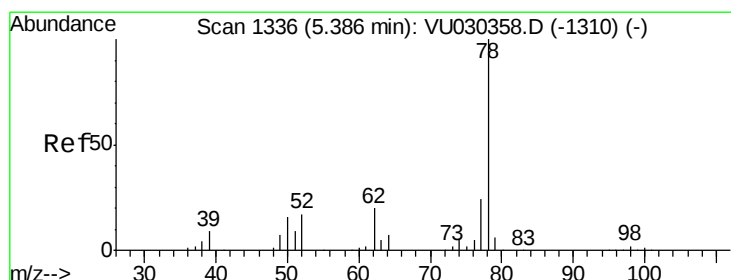
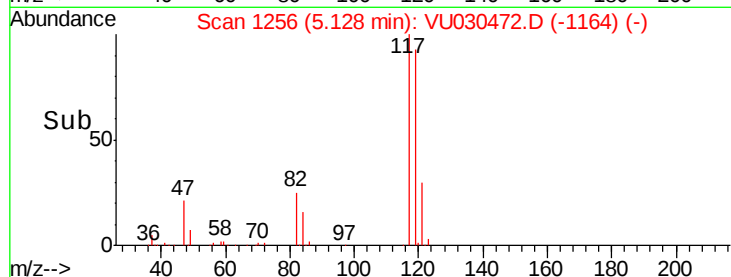
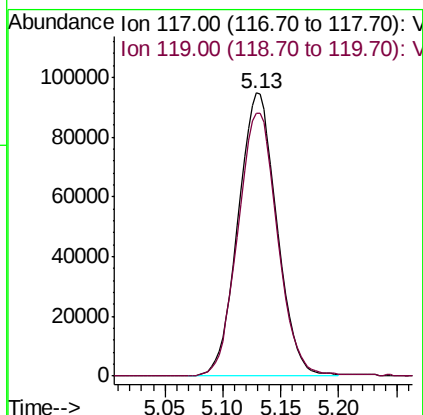
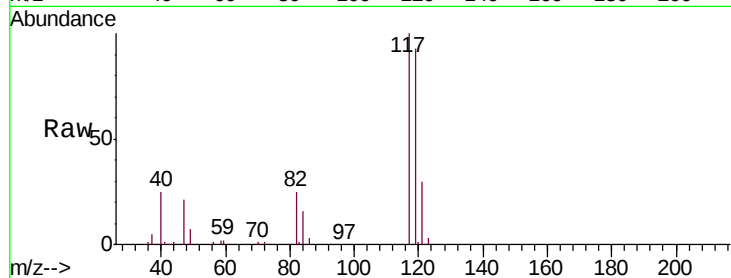




#31
Carbon tetrachloride
Concen: 54.441 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

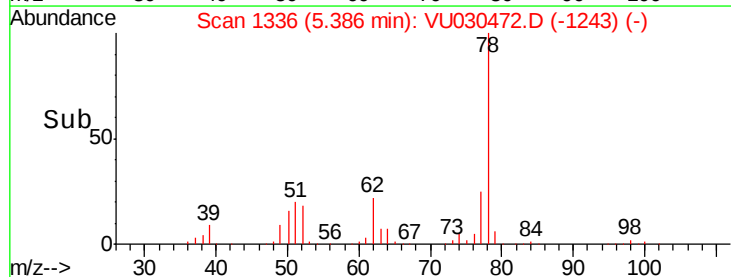
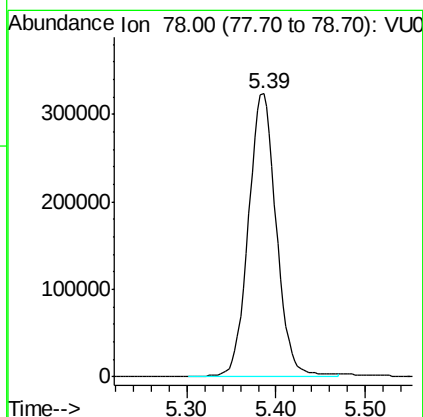
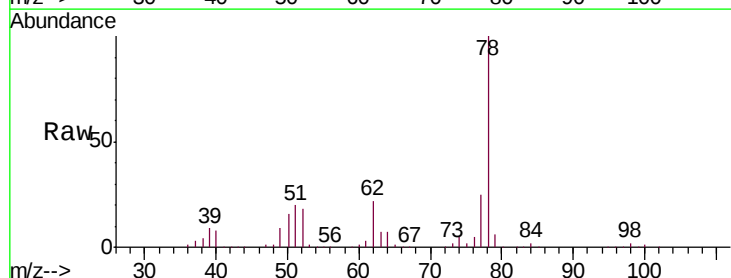
Instrument :
MSVOA_U
ClientSampled :
BFB45

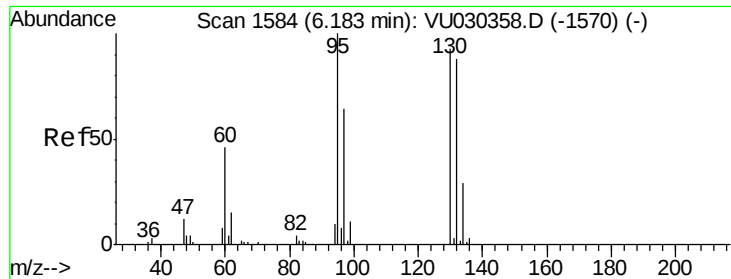
Tgt Ion:117 Resp: 220299
Ion Ratio Lower Upper
117 100
119 95.2 75.4 113.2



#33
Benzene
Concen: 53.340 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

Tgt Ion: 78 Resp: 707954





#34

Trichloroethene

Concen: 51.064 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

BFB45

Tgt Ion: 95 Resp: 166609

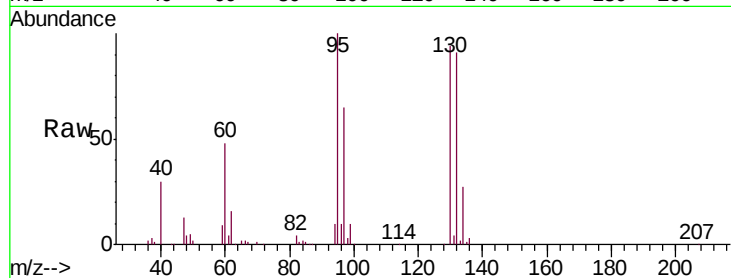
Ion Ratio Lower Upper

95 100

97 65.3 45.7 84.9

132 91.1 63.8 118.4

130 93.8 65.7 121.9

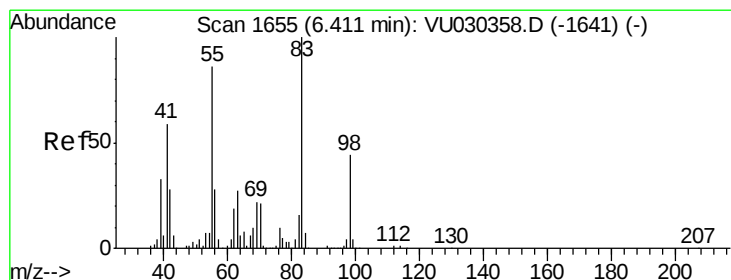
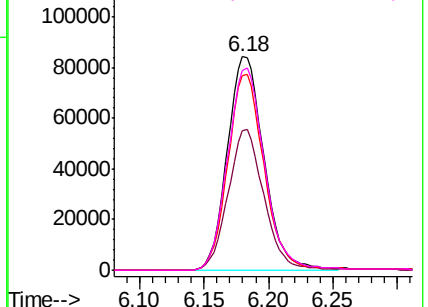
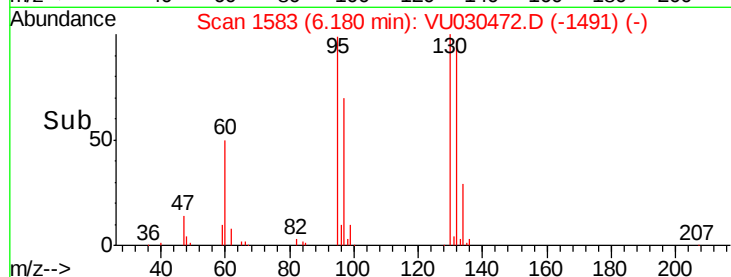


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 52.581 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

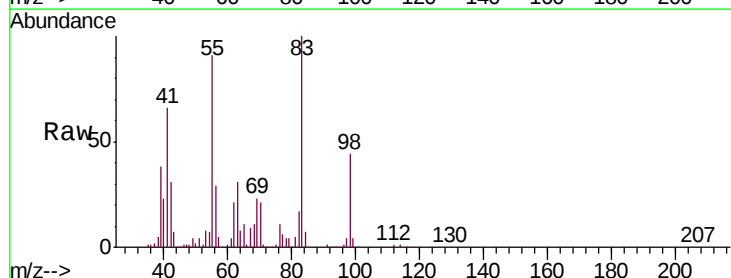
Tgt Ion: 83 Resp: 282314

Ion Ratio Lower Upper

83 100

55 91.5 71.4 107.0

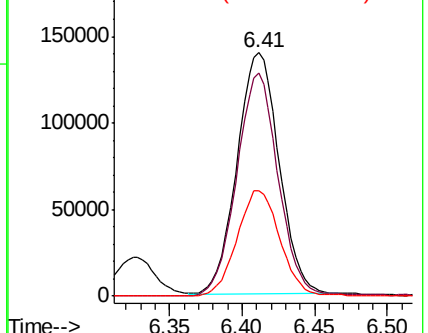
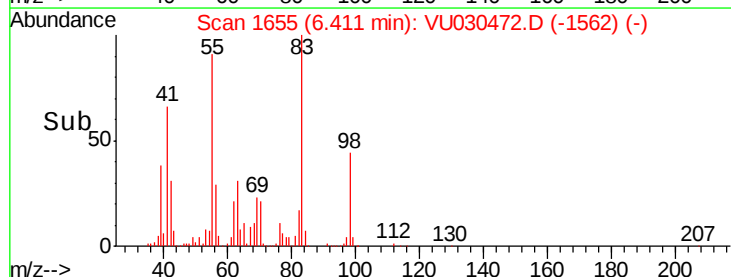
98 44.5 36.0 54.0

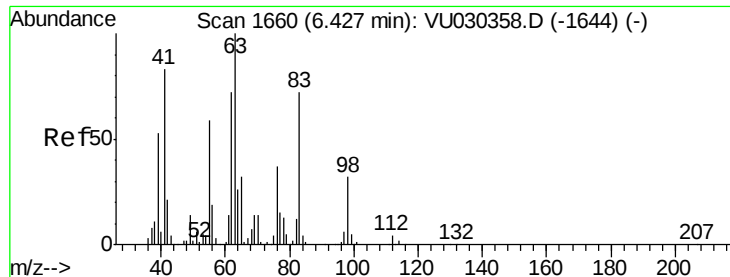


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

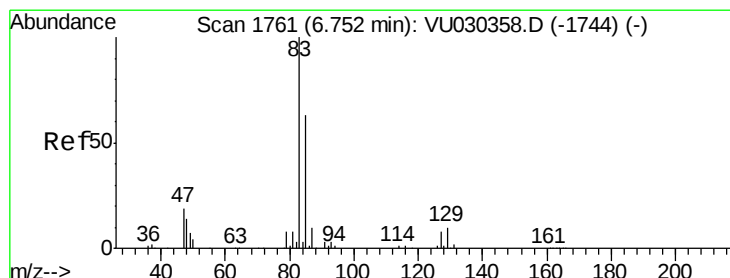
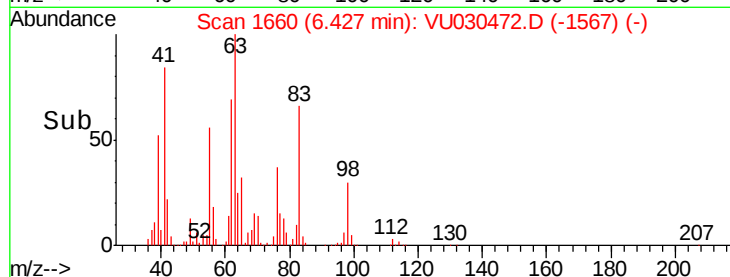
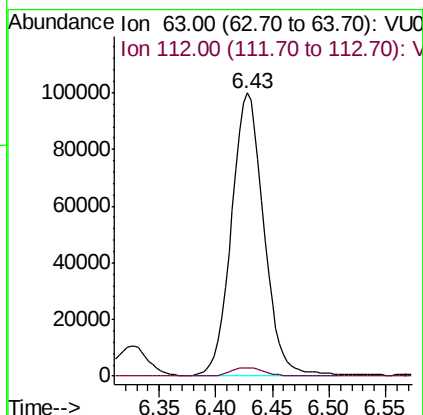
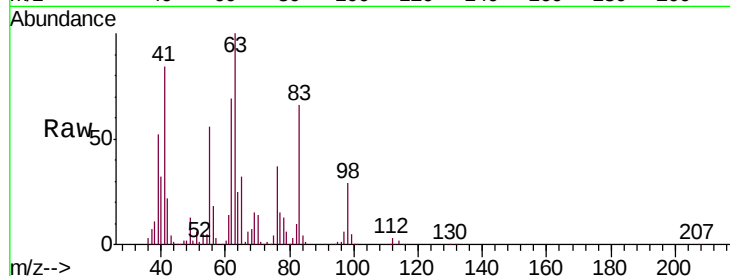




#37
 1,2-Dichloropropane
 Concen: 52.525 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

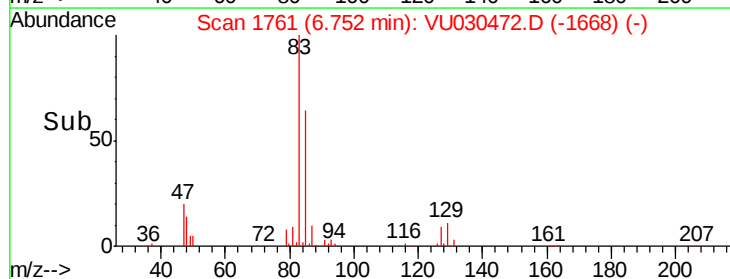
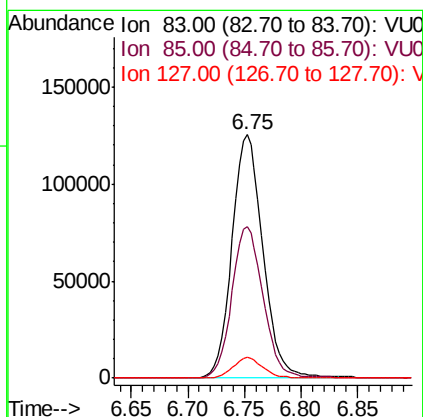
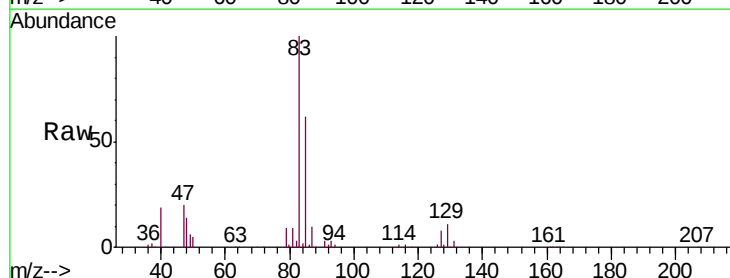
Instrument :
 MSVOA_U
 ClientSampled :
 BFB45

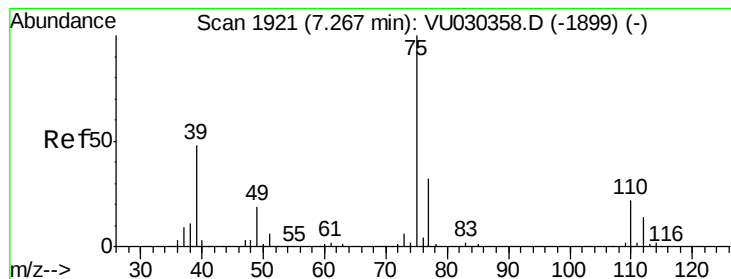
Tgt Ion: 63 Resp: 197836
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.6 4.0



#38
 Bromodichloromethane
 Concen: 53.431 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

Tgt Ion: 83 Resp: 239127
 Ion Ratio Lower Upper
 83 100
 85 62.3 45.0 83.6
 127 8.5 6.6 10.0



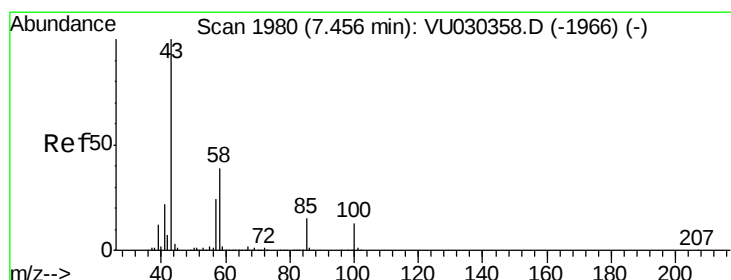
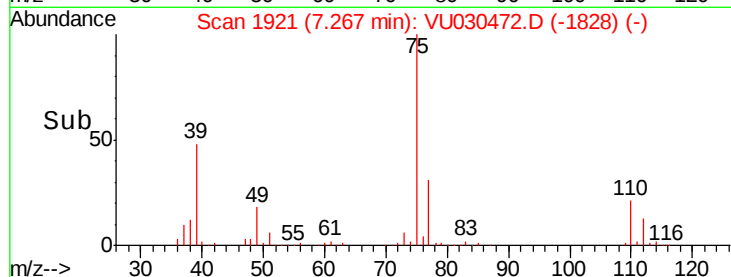
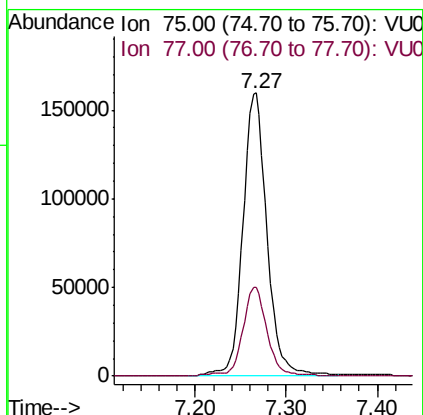
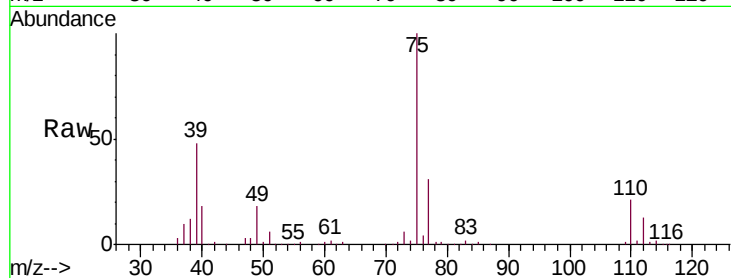


#39

cis-1,3-Dichloropropene
 Concen: 54.398 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

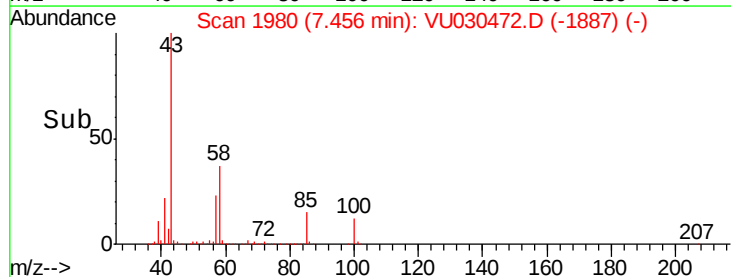
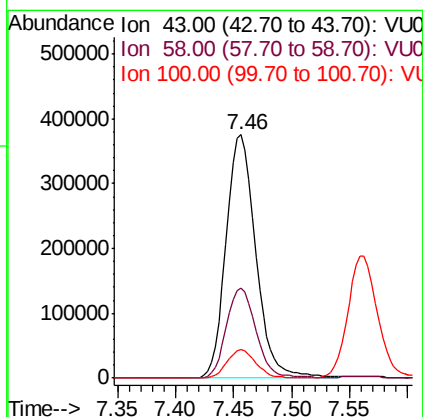
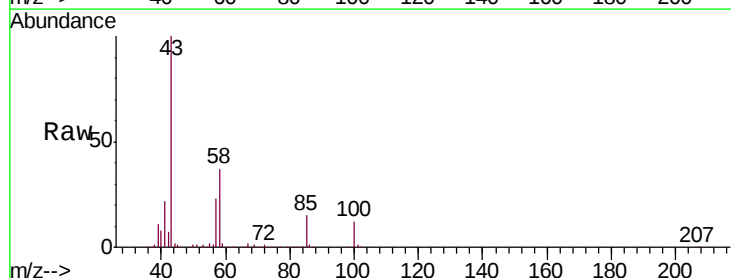
Tgt Ion: 75 Resp: 294503
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.6

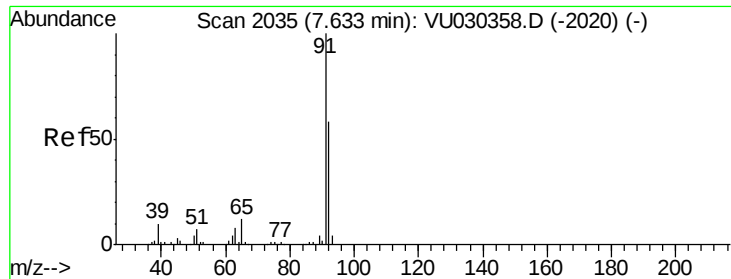


#40

4-Methyl-2-pentanone
 Concen: 105.392 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

Tgt Ion: 43 Resp: 666784
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.6 45.8
 100 11.5 9.5 14.3





#42

Toluene

Concen: 53.674 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

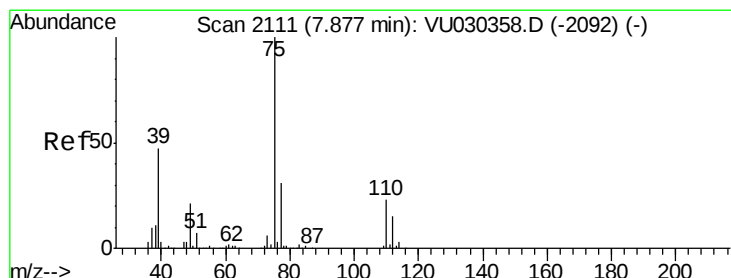
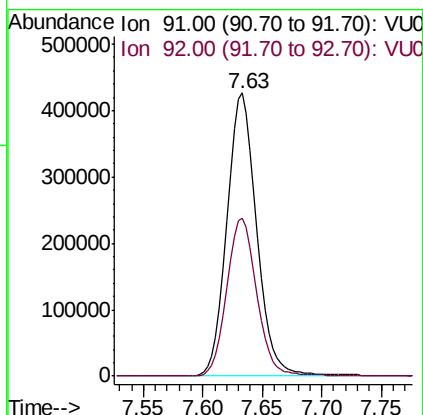
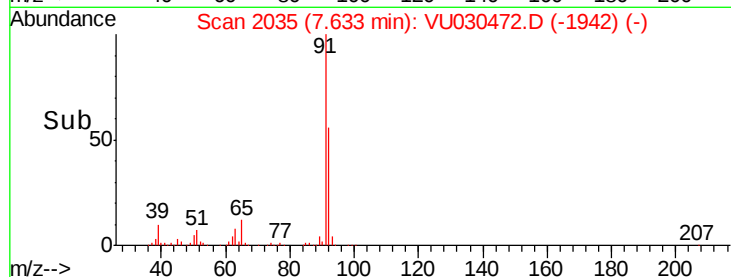
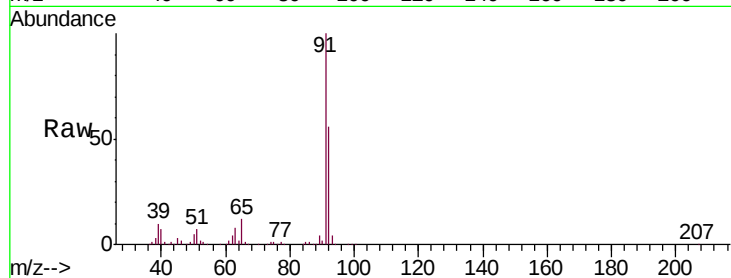
BFB45

Tgt Ion: 91 Resp: 739336

Ion Ratio Lower Upper

91 100

92 55.8 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 54.604 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030472.D

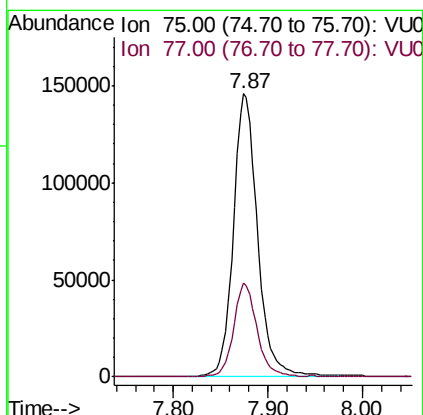
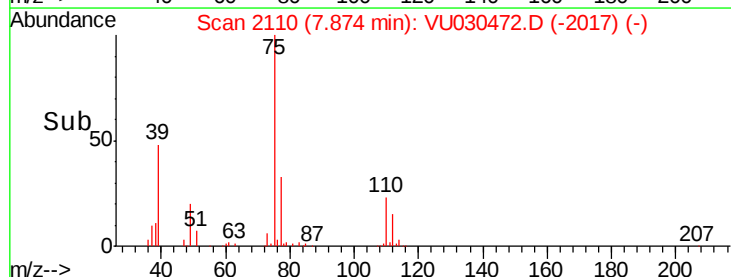
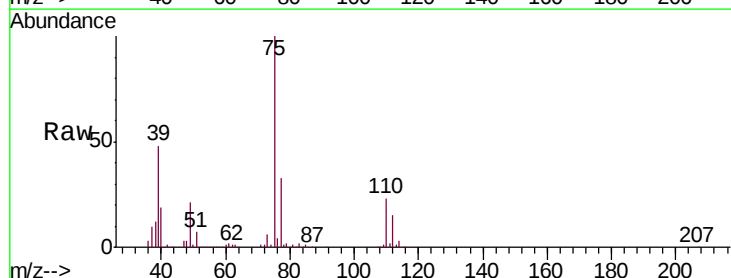
Acq: 27 Mar 2019 10:34

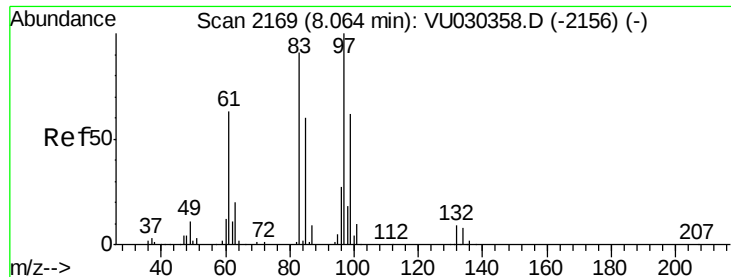
Tgt Ion: 75 Resp: 260114

Ion Ratio Lower Upper

75 100

77 33.1 22.0 40.8

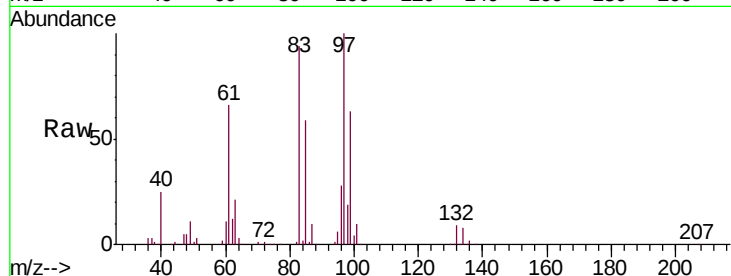




#45
 1,1,2-Trichloroethane
 Concen: 52.662 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

Instrument :
 MSVOA_U
 ClientSampled :
 BFB45

Tgt Ion:	97	Resp:	167597
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.0	81.8
83	93.5	65.3	121.3
85	59.4	41.8	77.6



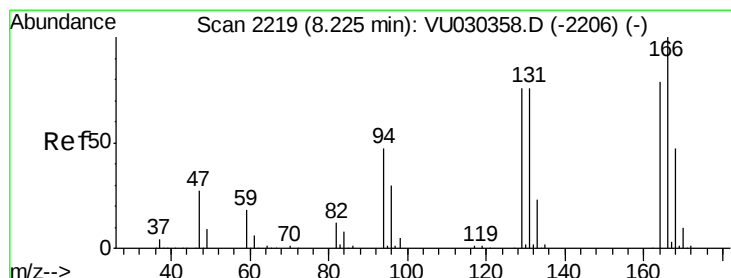
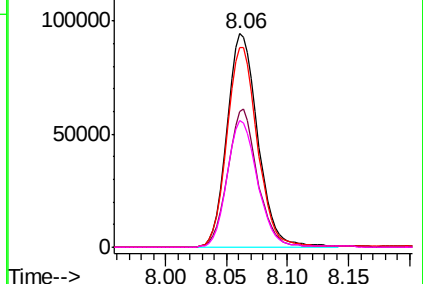
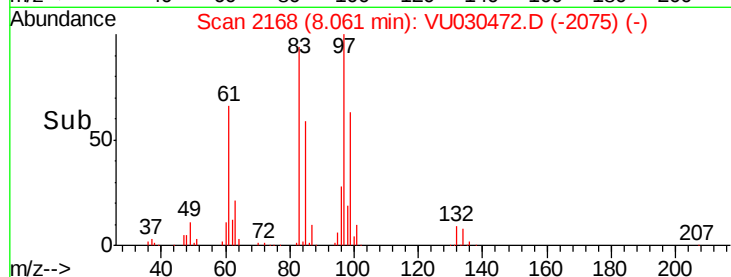
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

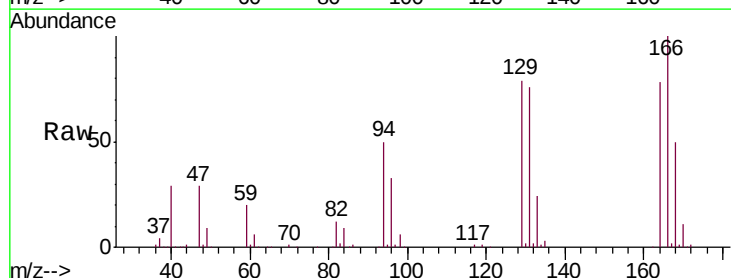
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 53.733 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

Tgt Ion:	164	Resp:	122454
Ion	Ratio	Lower	Upper
164	100		
129	100.7	68.1	126.5
131	97.2	67.7	125.7
166	127.8	92.4	171.6



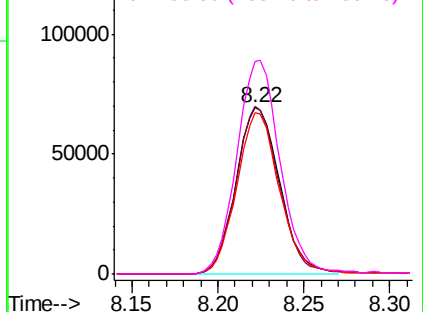
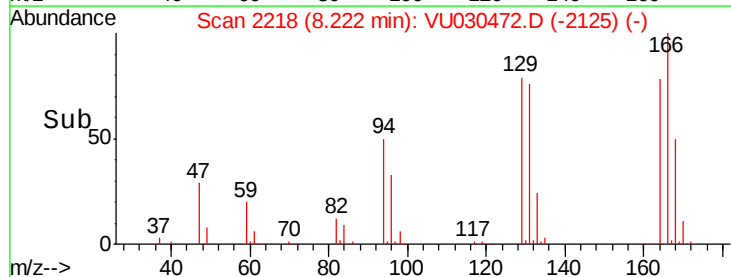
Abundance

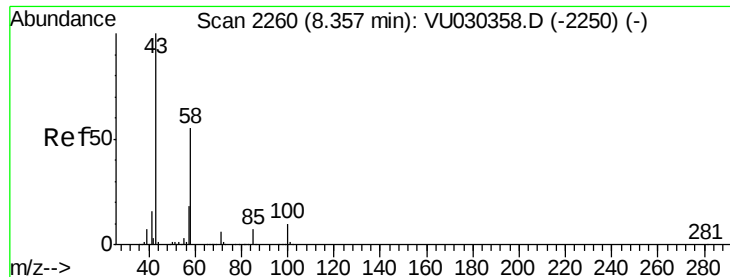
Ion 164.00 (163.70 to 164.70): V

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

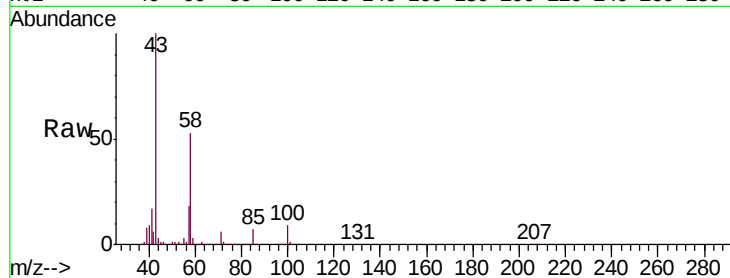




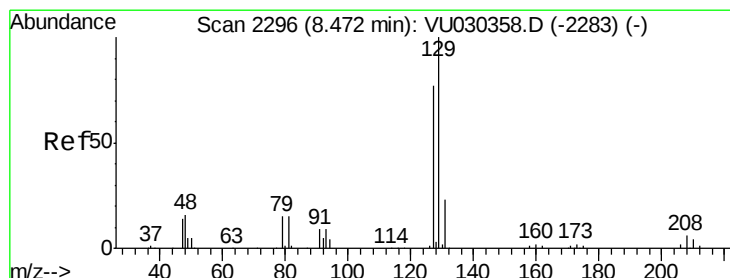
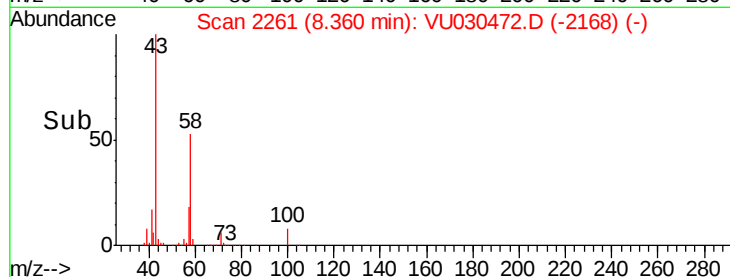
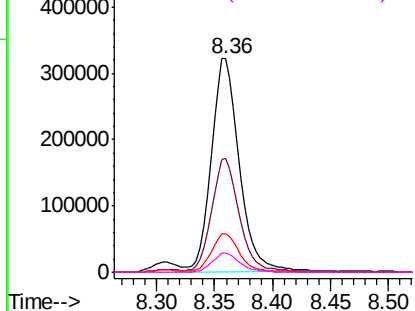
#48
2-Hexanone
Concen: 104.384 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Tgt Ion: 43 Resp: 541262
Ion Ratio Lower Upper
43 100
58 52.1 42.5 63.7
57 18.4 15.0 22.6
100 9.1 7.4 11.2

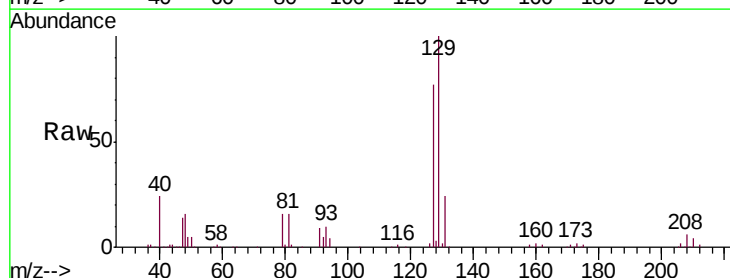


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

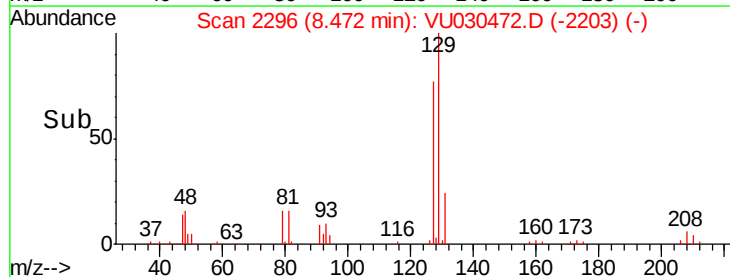
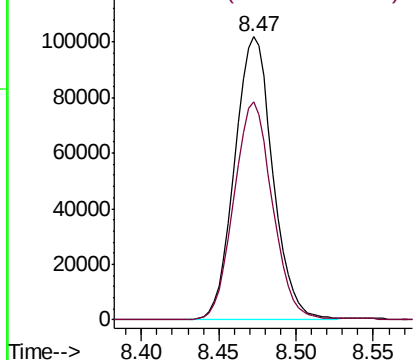


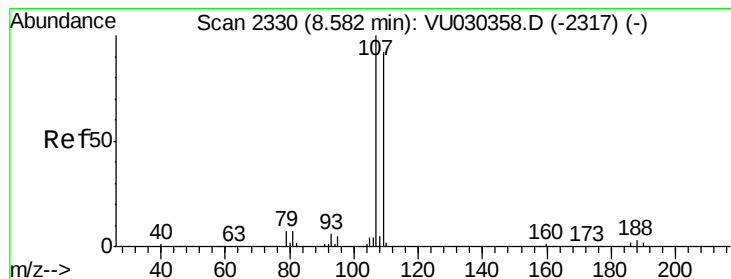
#49
Dibromochloromethane
Concen: 52.764 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030472.D
Acq: 27 Mar 2019 10:34

Tgt Ion: 129 Resp: 174482
Ion Ratio Lower Upper
129 100
127 77.3 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 52.769 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampled :

BFB45

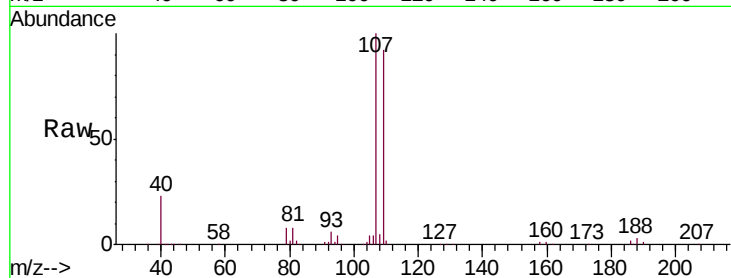
Tgt Ion:107 Resp: 180233

Ion Ratio Lower Upper

107 100

109 92.1 65.8 122.2

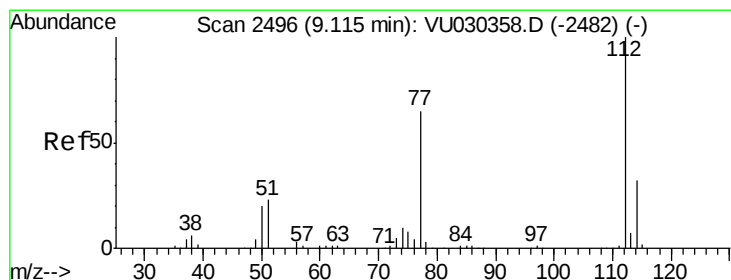
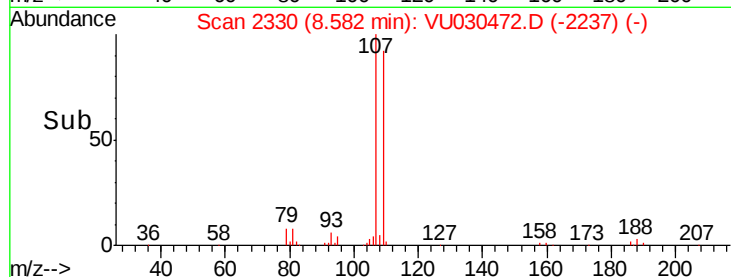
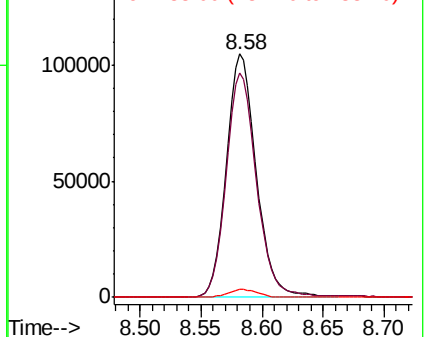
188 3.1 2.6 4.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 52.608 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

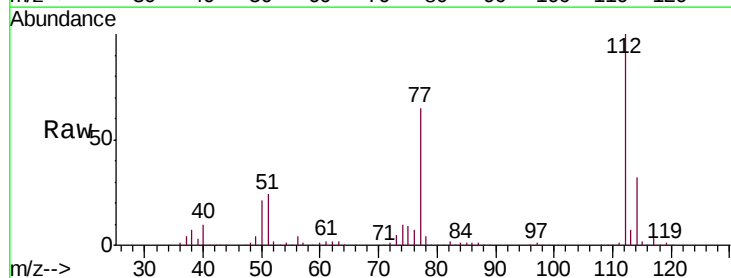
Tgt Ion:112 Resp: 439184

Ion Ratio Lower Upper

112 100

114 32.2 21.5 39.9

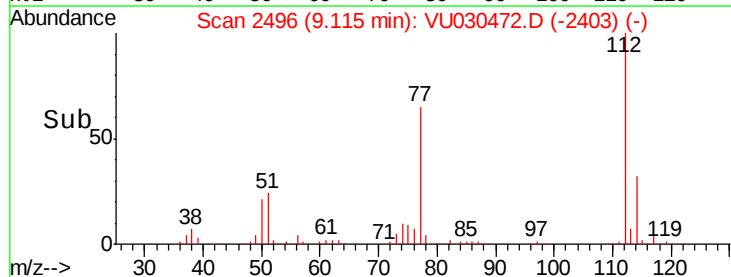
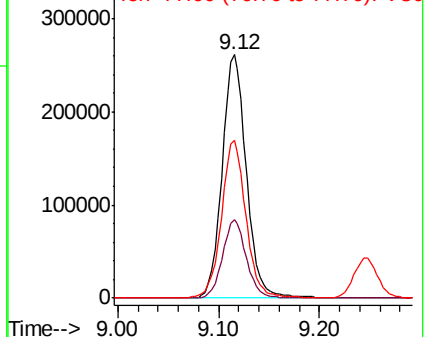
77 64.8 51.4 77.0

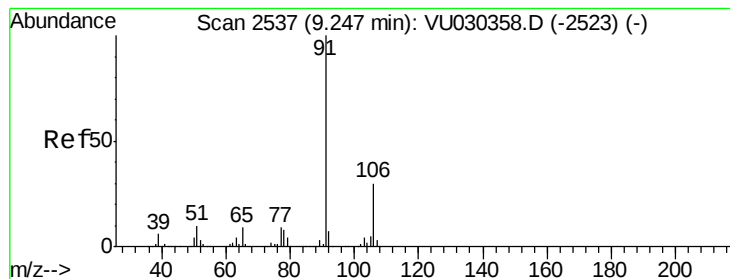


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 54.113 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

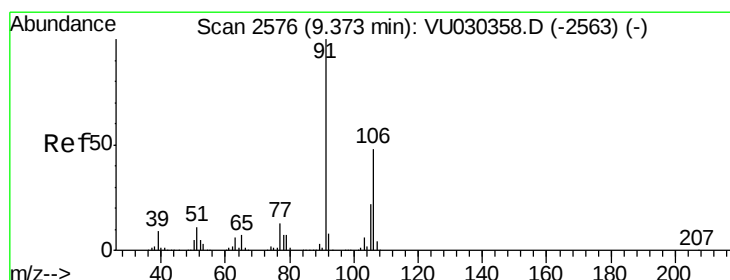
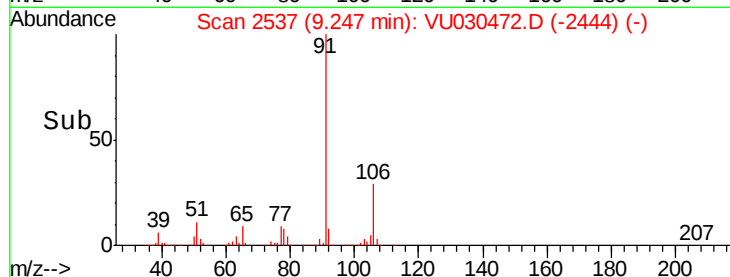
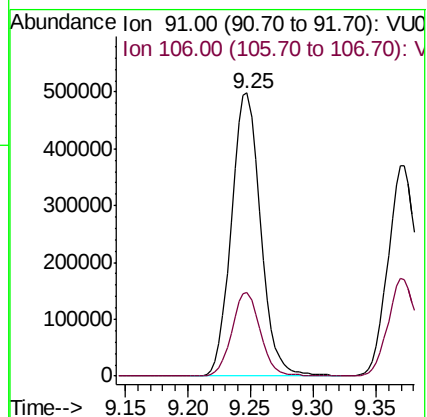
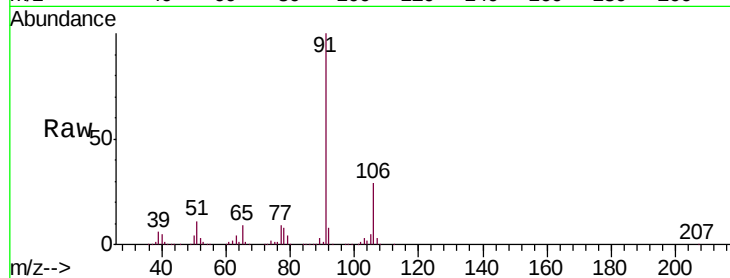
BFB45

Tgt Ion: 91 Resp: 807446

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.2



#53

m,p-Xylene

Concen: 53.146 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030472.D

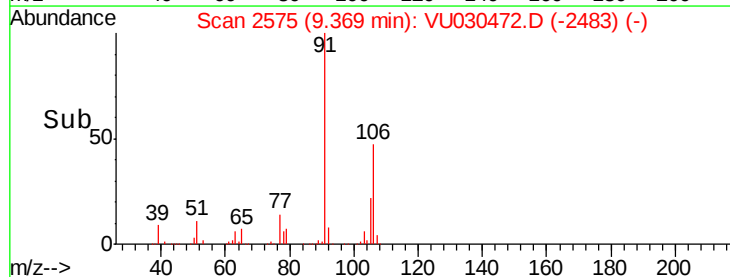
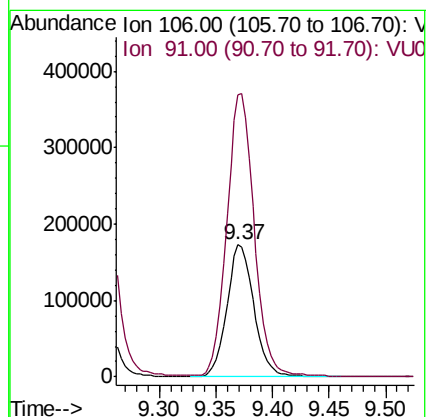
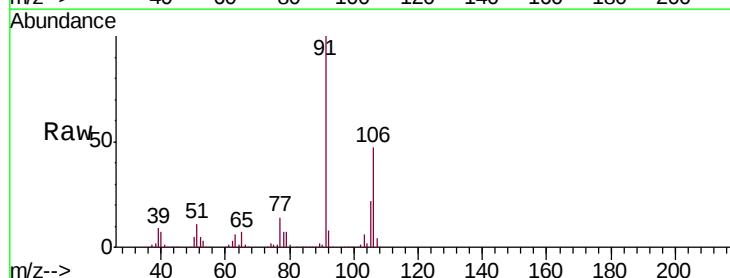
Acq: 27 Mar 2019 10:34

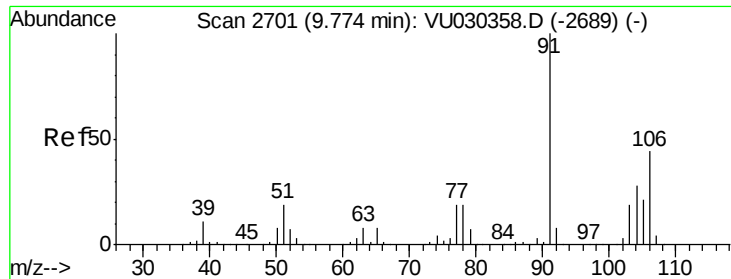
Tgt Ion: 106 Resp: 286338

Ion Ratio Lower Upper

106 100

91 214.2 151.2 280.8





#54

o-xylene

Concen: 54.556 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

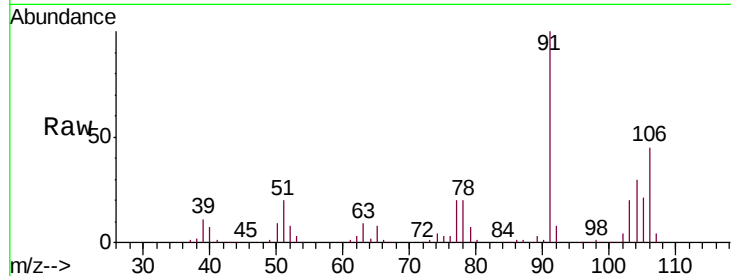
BFB45

Tgt Ion:106 Resp: 286803

Ion Ratio Lower Upper

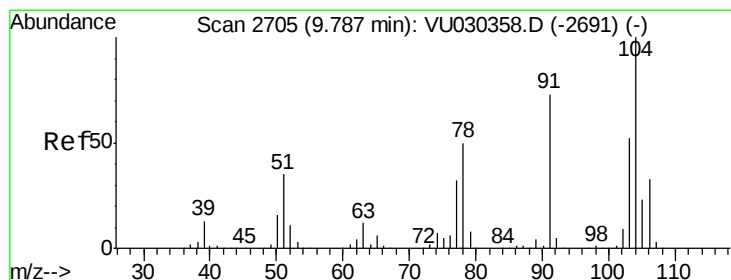
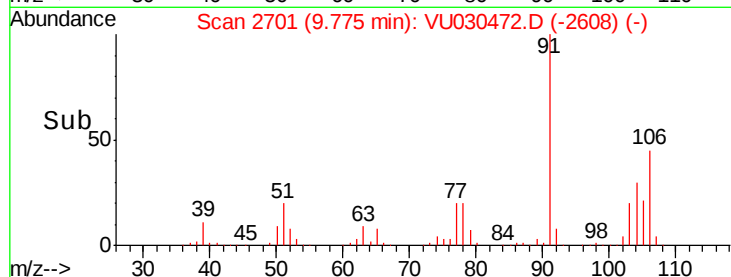
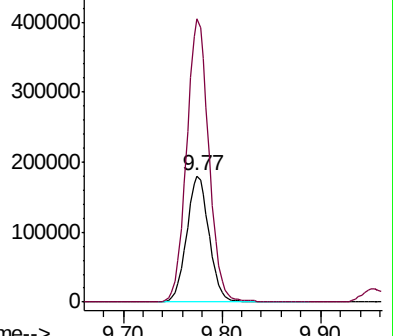
106 100

91 224.0 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.421 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030472.D

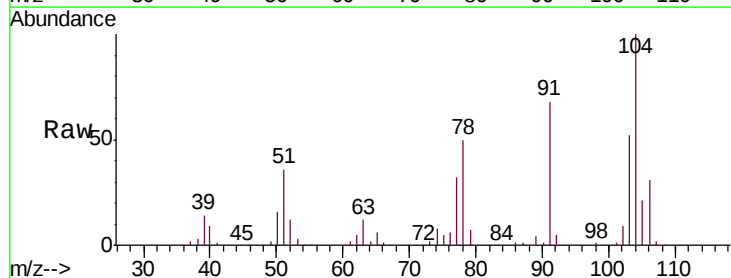
Acq: 27 Mar 2019 10:34

Tgt Ion:104 Resp: 492821

Ion Ratio Lower Upper

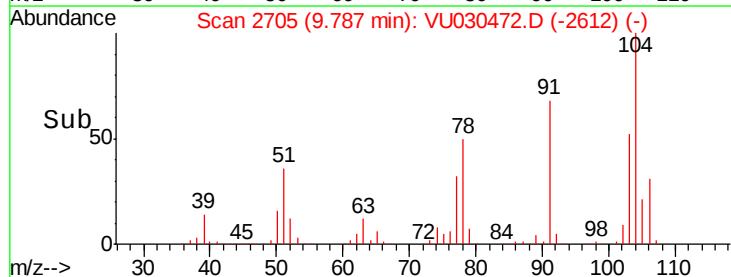
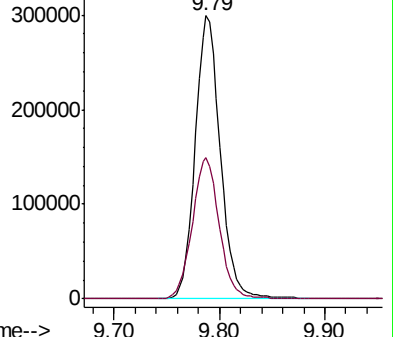
104 100

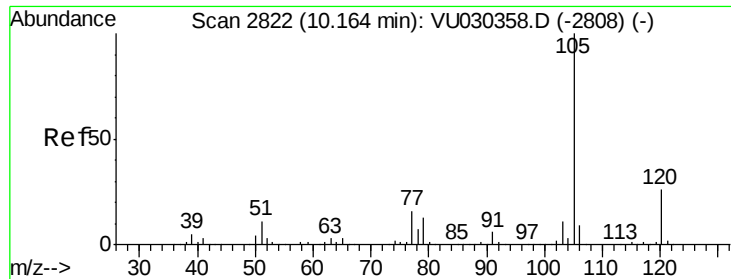
78 49.7 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.142 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

BFB45

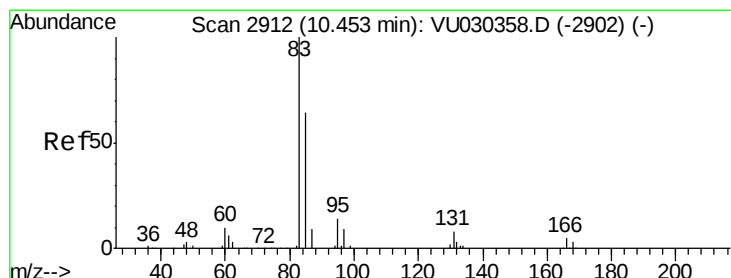
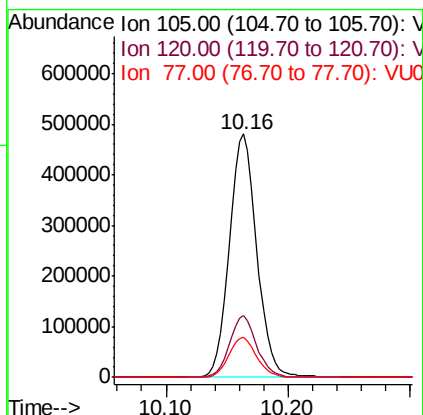
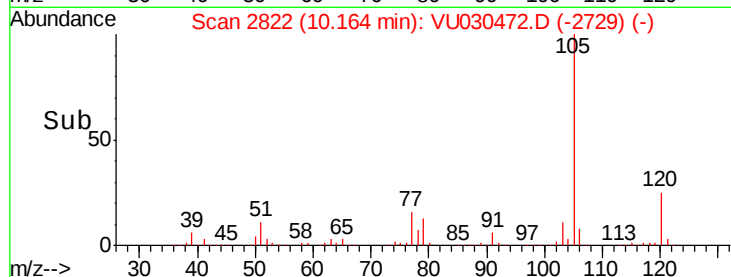
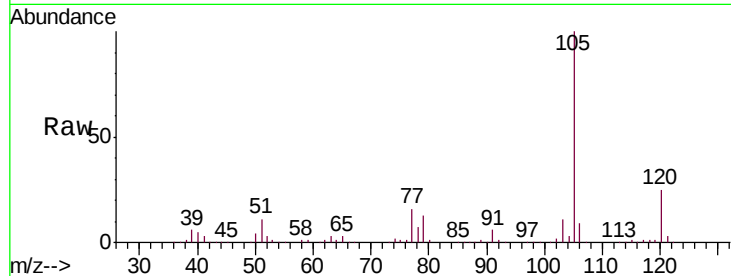
Tgt Ion: 105 Resp: 753651

Ion Ratio Lower Upper

105 100

120 25.1 20.2 30.2

77 16.7 13.2 19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 52.815 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

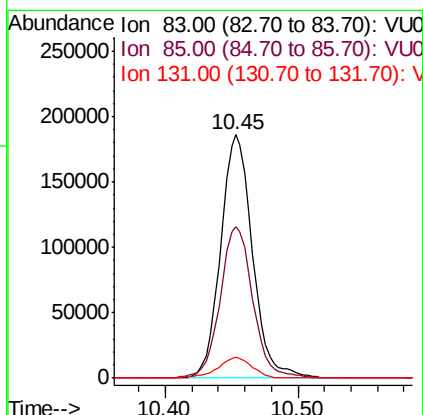
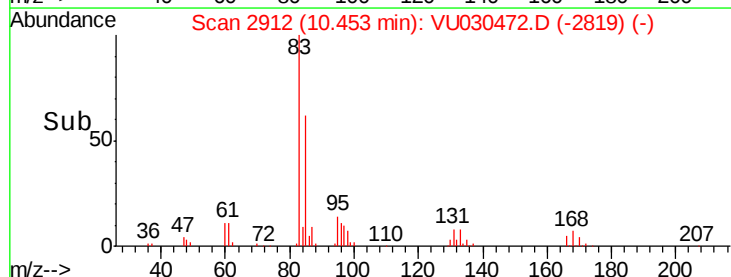
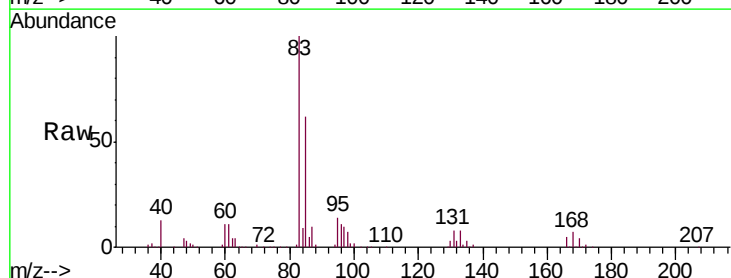
Tgt Ion: 83 Resp: 309786

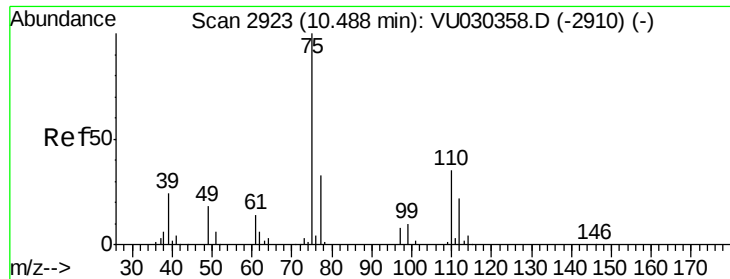
Ion Ratio Lower Upper

83 100

85 62.4 44.3 82.3

131 8.4 6.7 10.1





#59

1,2,3-Trichloropropane

Concen: 52.110 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

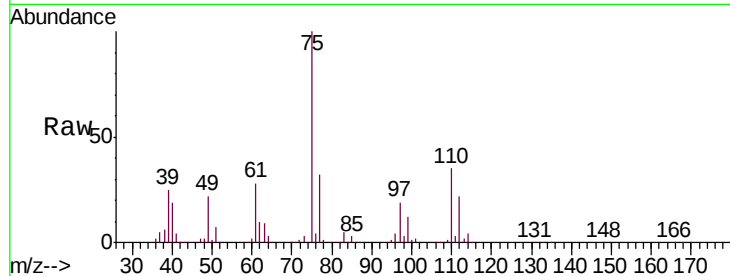
BFB45

Tgt Ion: 75 Resp: 238903

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU030358.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU030358.D (-2910) (-)

10.49

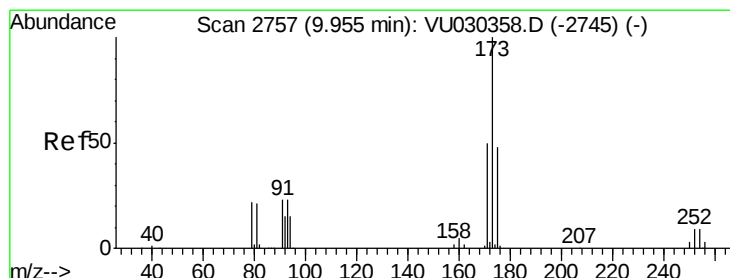
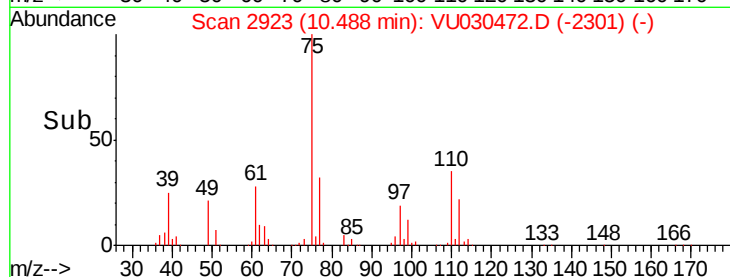
150000

100000

50000

0

Time--> 10.40 10.50 10.60



#61

Bromoform

Concen: 53.954 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

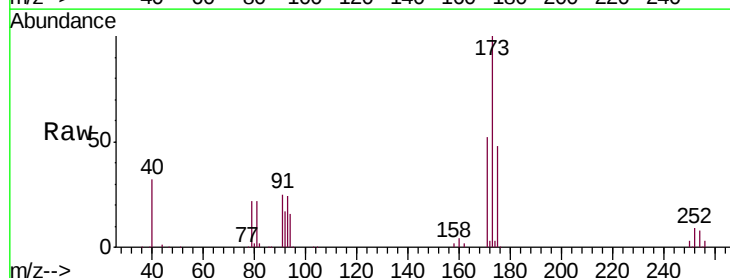
Tgt Ion: 173 Resp: 130957

Ion Ratio Lower Upper

173 100

175 47.3 38.5 57.7

254 8.5 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VU030358.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU030358.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU030358.D (-2745) (-)

9.95

100000

80000

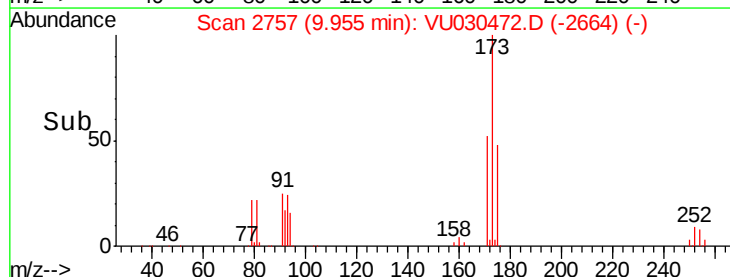
60000

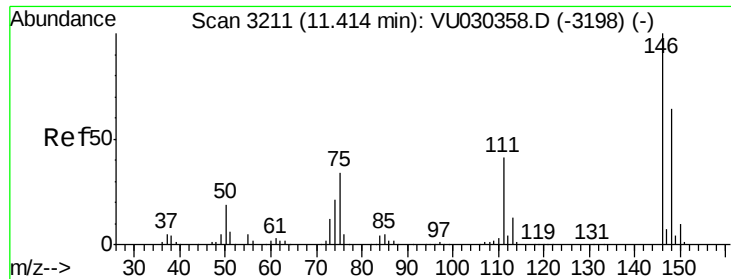
40000

20000

0

Time--> 9.90 10.00





#62

1,3-Dichlorobenzene

Concen: 52.144 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampled :

BFB45

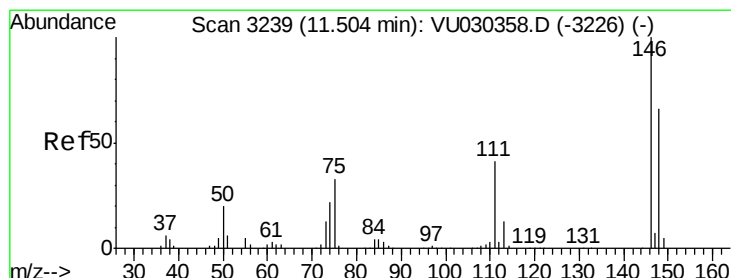
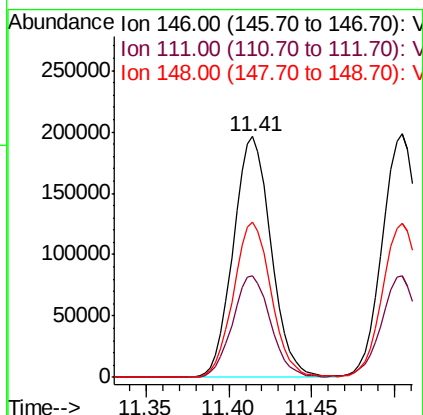
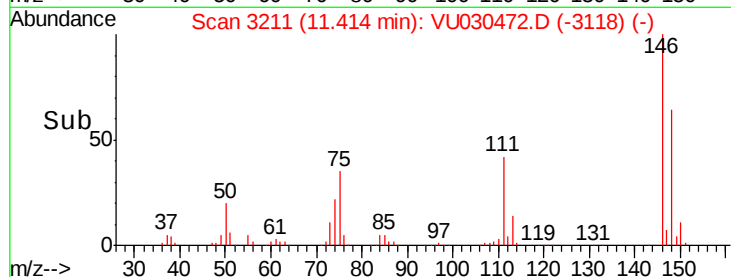
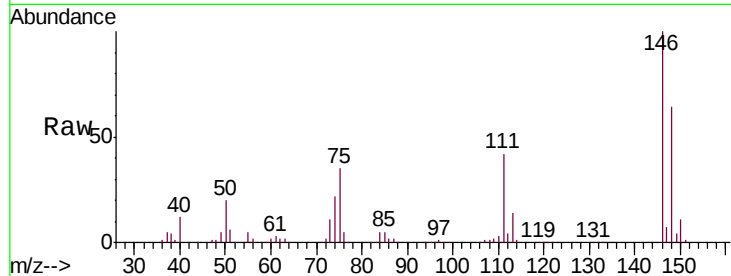
Tgt Ion:146 Resp: 311308

Ion Ratio Lower Upper

146 100

111 42.2 29.2 54.2

148 64.4 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 51.216 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

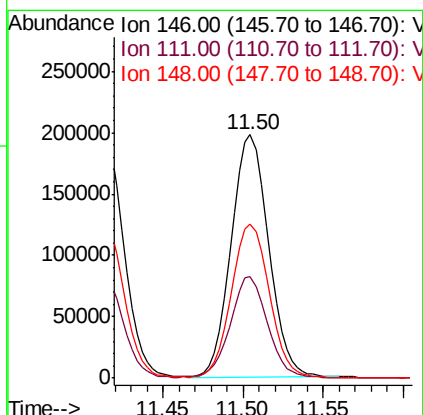
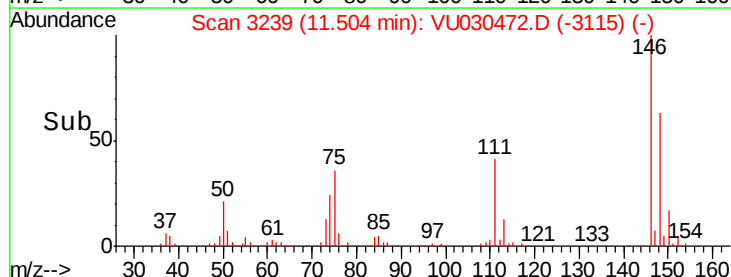
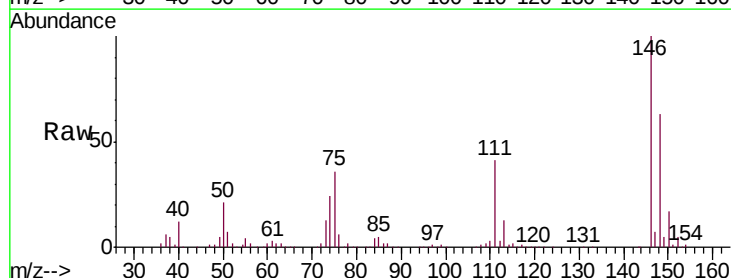
Tgt Ion:146 Resp: 314780

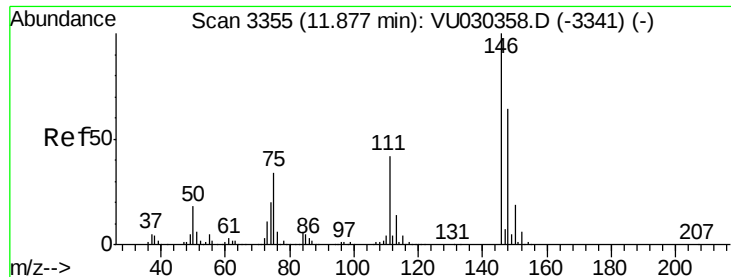
Ion Ratio Lower Upper

146 100

111 41.5 28.7 53.3

148 63.4 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 53.870 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampled :

BFB45

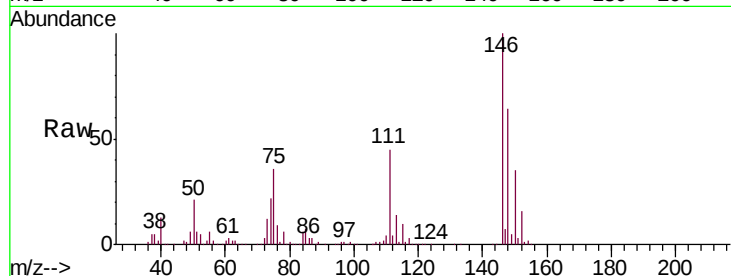
Tgt Ion:146 Resp: 325200

Ion Ratio Lower Upper

146 100

111 45.0 34.9 52.3

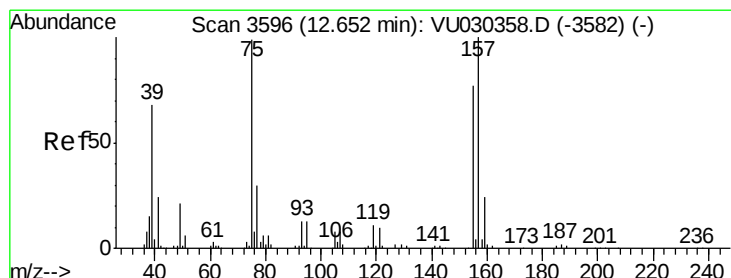
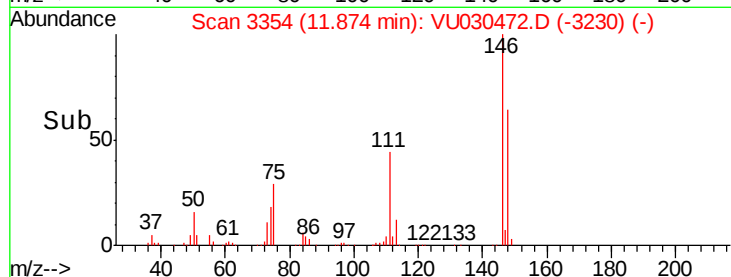
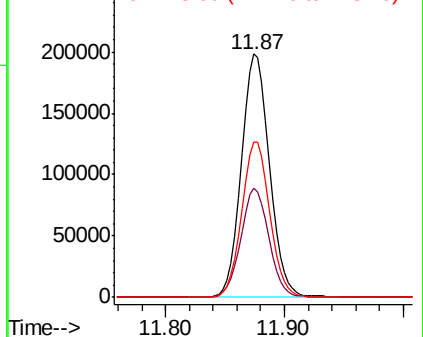
148 63.9 51.2 76.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 50.170 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

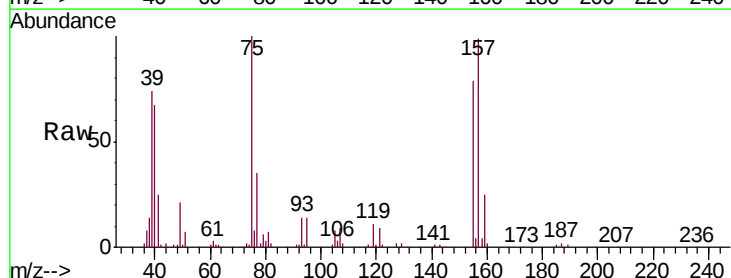
Tgt Ion: 75 Resp: 67437

Ion Ratio Lower Upper

75 100

155 78.6 61.8 92.6

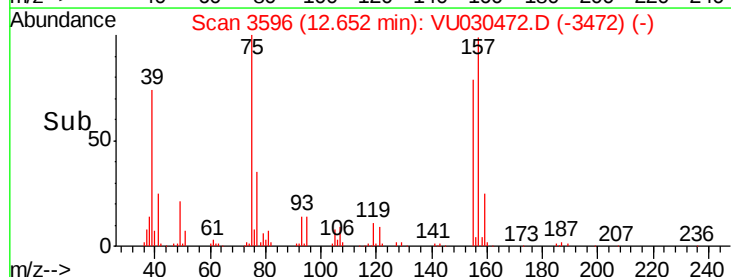
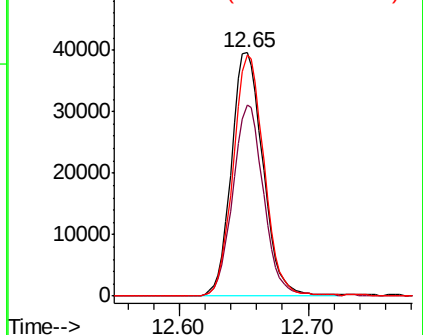
157 98.9 80.2 120.4

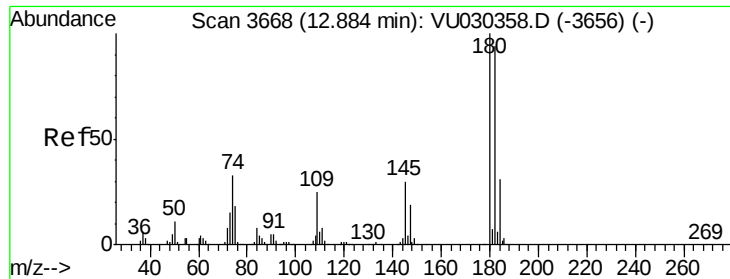


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

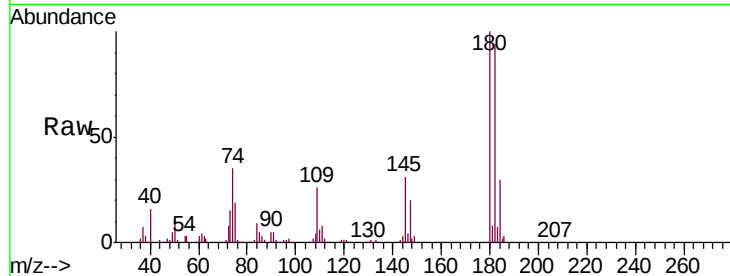




#67
 1,3,5-Trichlorobenzene
 Concen: 53.157 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.9	113.9
184	29.9	24.1	36.1
145	30.5	23.8	35.8



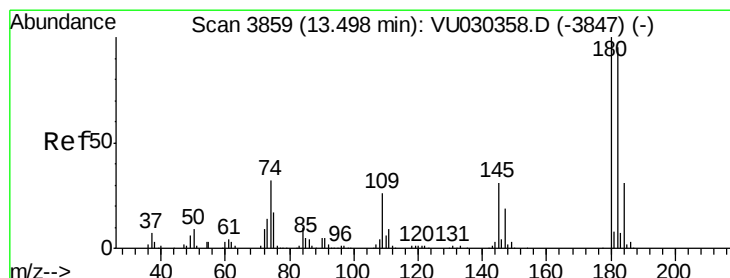
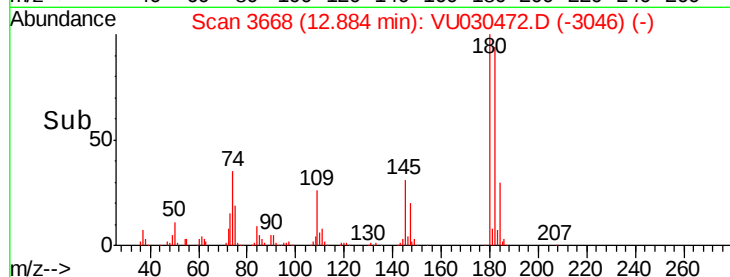
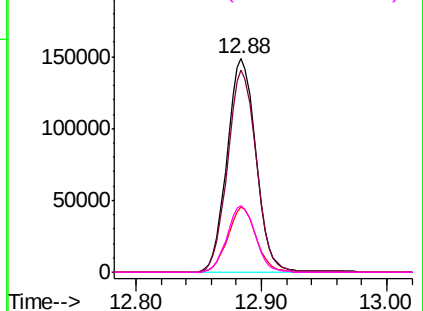
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

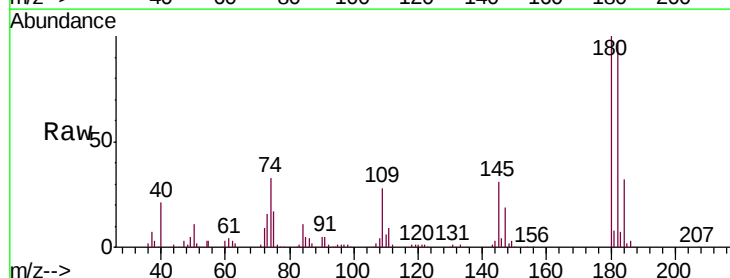
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.747 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030472.D
 Acq: 27 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.1	114.1
145	30.5	24.5	36.7

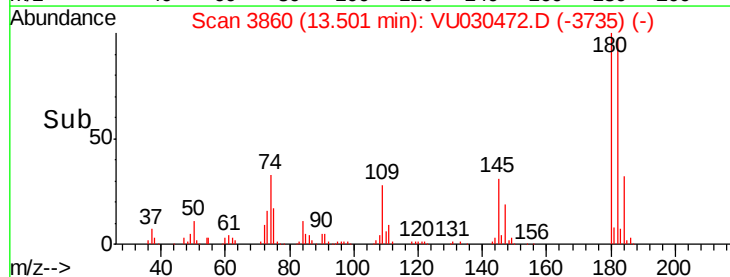
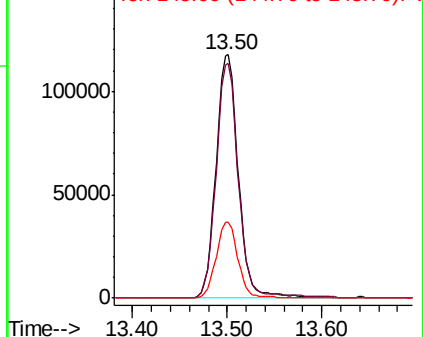


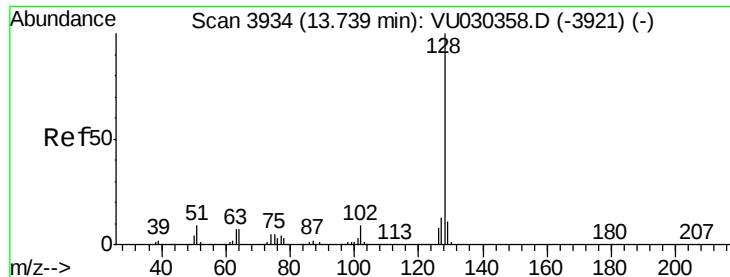
Abundance

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: 43.640 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

BFB45

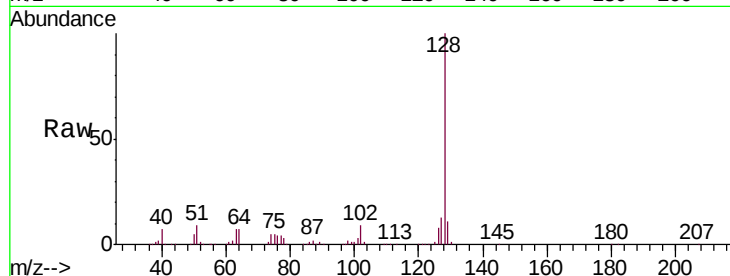
Tgt Ion:128 Resp: 602600

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

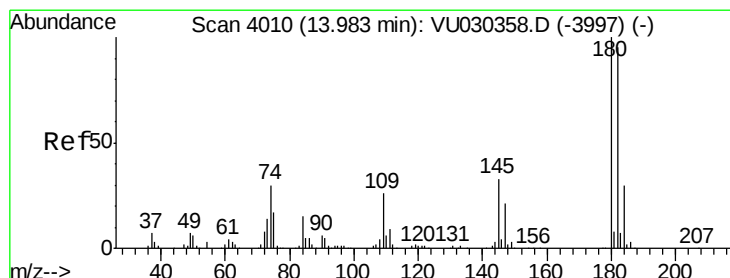
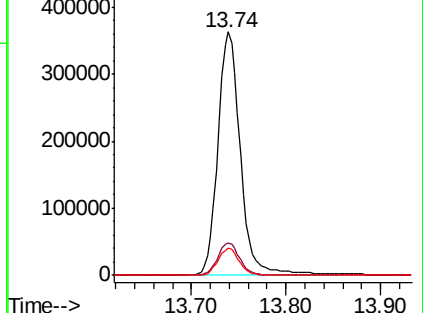
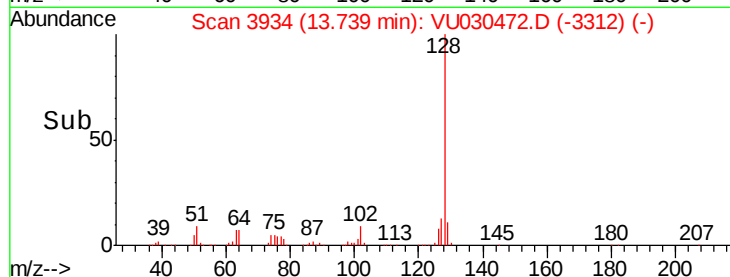
129 10.8 8.4 12.6



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: 49.777 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030472.D

Acq: 27 Mar 2019 10:34

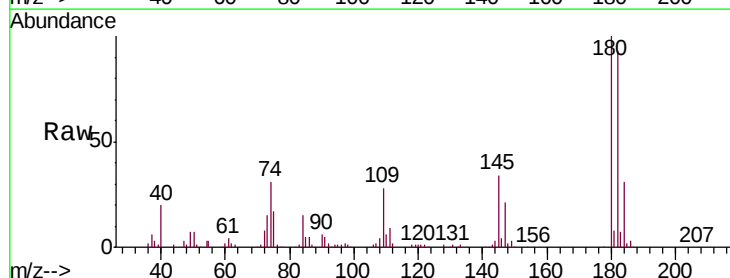
Tgt Ion:180 Resp: 204118

Ion Ratio Lower Upper

180 100

182 93.5 77.4 116.2

145 32.1 25.9 38.9



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

