

Data File : VU032043.D
Acq On : 16 May 2019 12:39
Operator : JC/SP
Sample : VSTD00107
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00107

Quant Time: May 17 02:17:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 02:13:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	405375	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	406464	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	170541	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33099	0.87	ug/L	0.00
7) Chloroethane-d5	1.68	69	29468	0.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	54231	0.92	ug/L	0.00
20) 2-Butanone-d5	4.21	46	64021	7.86	ug/L	0.00
24) Chloroform-d	4.65	84	58256	0.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	30261	0.96	ug/L	0.00
32) Benzene-d6	5.34	84	116635	0.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	34864	0.87	ug/L	0.00
41) Toluene-d8	7.56	98	93654	0.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	11172	0.82	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	46619	7.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	28393	0.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	35260	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	19918	0.991 ug/L	97
3) Chloromethane	1.32	50	21092	0.925 ug/L	100
5) Vinyl chloride	1.40	62	20411	0.916 ug/L	99
6) Bromomethane	1.63	94	12434	1.050 ug/L	99
8) Chloroethane	1.70	64	12446	0.849 ug/L	100
9) Trichlorofluoromethane	1.88	101	25375	1.036 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	16560	1.032 ug/L	98
12) 1,1-Dichloroethene	2.28	96	16365	1.029 ug/L	85
13) Acetone	2.34	43	22021	8.607 ug/L	97
14) Carbon disulfide	2.47	76	52588	0.966 ug/L	99
15) Methyl Acetate	2.63	43	6776	0.909 ug/L	96
16) Methylene chloride	2.70	84	20775	1.110 ug/L	94
17) Methyl tert-butyl Ether	3.00	73	38189	0.982 ug/L	95
18) trans-1,2-Dichloroethene	2.98	96	17165	0.980 ug/L	90
19) 1,1-Dichloroethane	3.44	63	27067	0.913 ug/L	92
21) 2-Butanone	4.30	43	30488	7.799 ug/L	86
22) cis-1,2-Dichloroethene	4.22	96	16410	0.940 ug/L	91
23) Bromochloromethane	4.55	128	6791	0.904 ug/L	95
25) Chloroform	4.67	83	29057	0.956 ug/L	95
27) 1,2-Dichloroethane	5.40	62	16740	0.950 ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	23561	1.016 ug/L	95
30) Cyclohexane	4.99	56	20877	0.826 ug/L	98
31) Carbon tetrachloride	5.13	117	19735	1.001 ug/L	98
33) Benzene	5.39	78	58167	0.872 ug/L	100
34) Trichloroethene	6.19	95	16802	0.948 ug/L	95
35) Methylcyclohexane	6.41	83	22204	0.890 ug/L	98
37) 1,2-Dichloropropane	6.43	63	14312	0.856 ug/L	# 88
38) Bromodichloromethane	6.76	83	19831	0.980 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	18884	0.869 ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	63443	7.180 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	59898	0.879	ug/L	96
44) trans-1,3-Dichloropropene	7.89	75	13950	0.817	ug/L	94
45) 1,1,2-Trichloroethane	8.07	97	10634	0.907	ug/L	87
47) Tetrachloroethene	8.22	164	12733	1.017	ug/L	89
48) 2-Hexanone	8.37	43	49488	7.416	ug/L	92
49) Dibromochloromethane	8.48	129	13536	1.060	ug/L	93
50) 1,2-Dibromoethane	8.59	107	10401	0.966	ug/L #	91
51) Chlorobenzene	9.12	112	38584	0.922	ug/L	94
52) Ethylbenzene	9.25	91	57643	0.842	ug/L	96
53) m,p-Xylene	9.37	106	21918	0.867	ug/L	96
54) o-Xylene	9.78	106	20223	0.822	ug/L	100
55) Styrene	9.79	104	33263	0.832	ug/L	97
56) Isopropylbenzene	10.16	105	51940	0.831	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	13522	0.936	ug/L	94
59) 1,2,3-Trichloropropane	10.49	75	9829	0.967	ug/L	100
61) Bromoform	9.96	173	6763	1.040	ug/L #	96
62) 1,3-Dichlorobenzene	11.42	146	25680	0.914	ug/L	92
63) 1,4-Dichlorobenzene	11.50	146	29084	1.015	ug/L	91
65) 1,2-Dichlorobenzene	11.88	146	27381	0.984	ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.66	75	1853	0.956	ug/L #	68
67) 1,3,5-Trichlorobenzene	12.89	180	18782	0.924	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	10710	0.767	ug/L	98
69) Naphthalene	13.76	128	12003	0.512	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	12269	0.861	ug/L	97

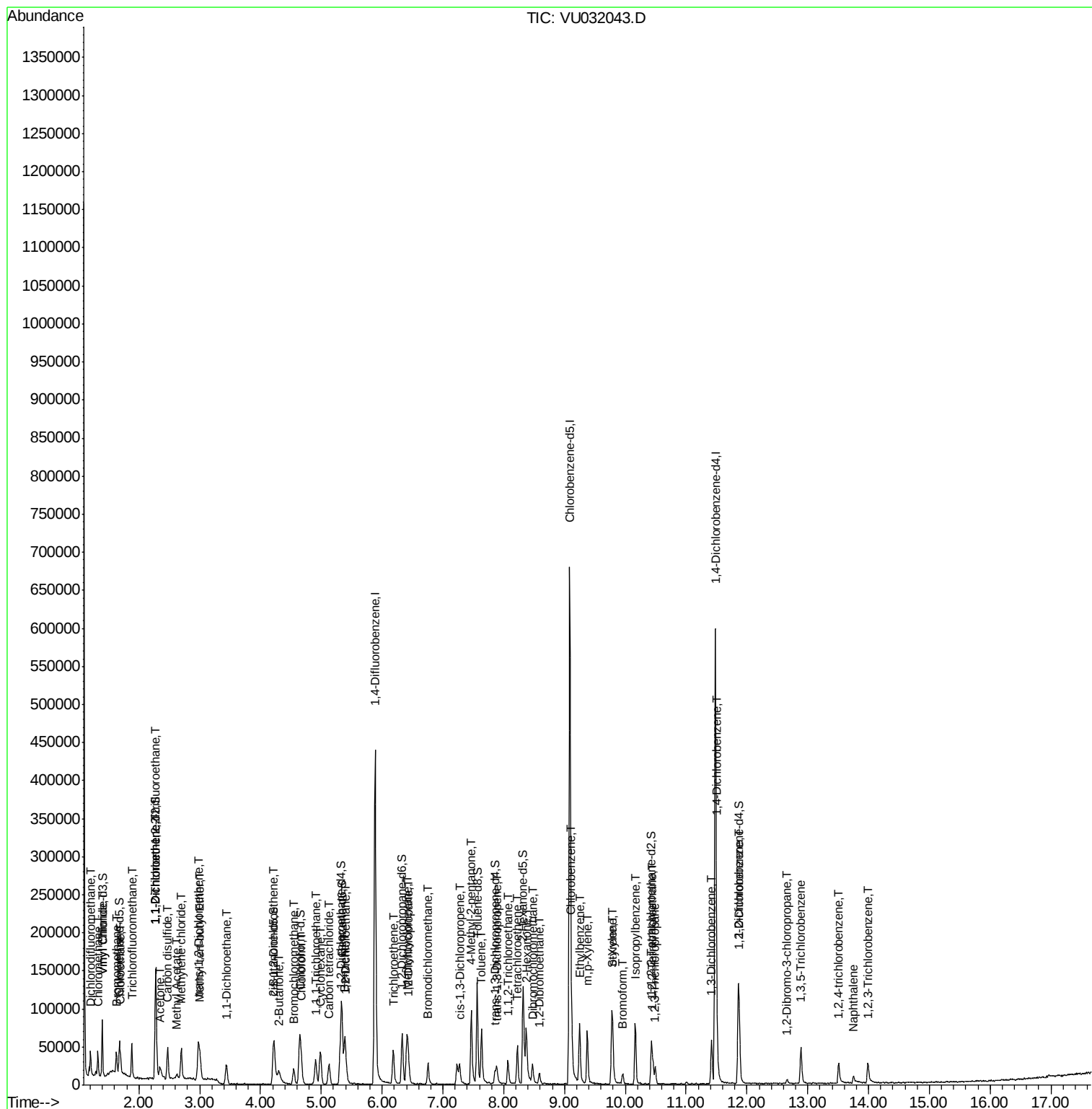
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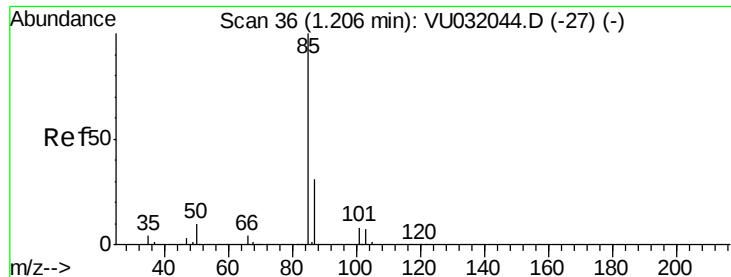
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#2

Dichlorodifluoromethane

Concen: 0.991 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

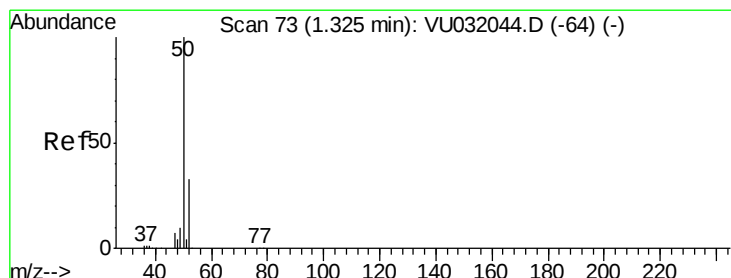
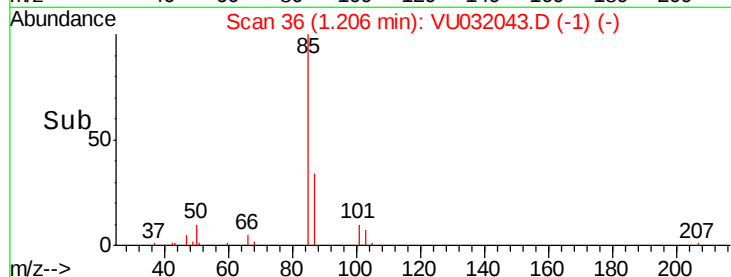
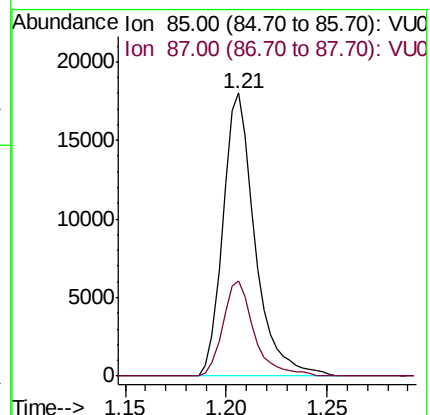
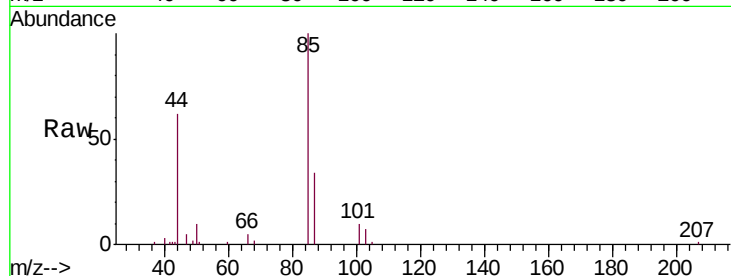
VSTD00107

Tgt Ion: 85 Resp: 19918

Ion Ratio Lower Upper

85 100

87 32.8 24.8 37.2



#3

Chloromethane

Concen: 0.925 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032043.D

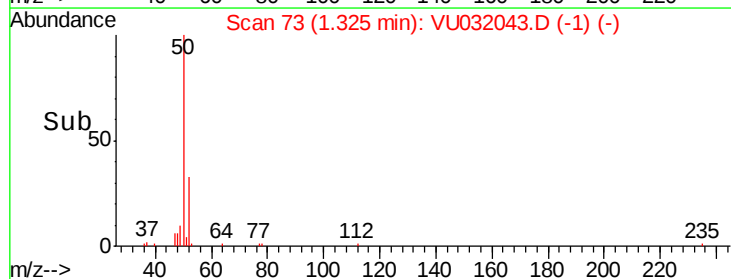
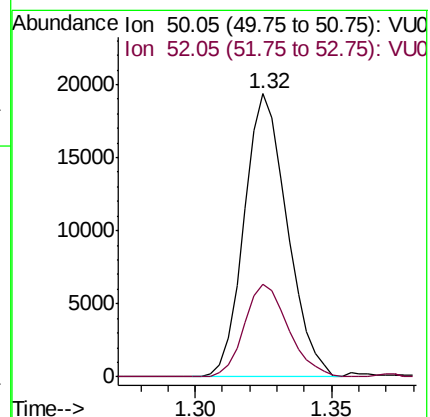
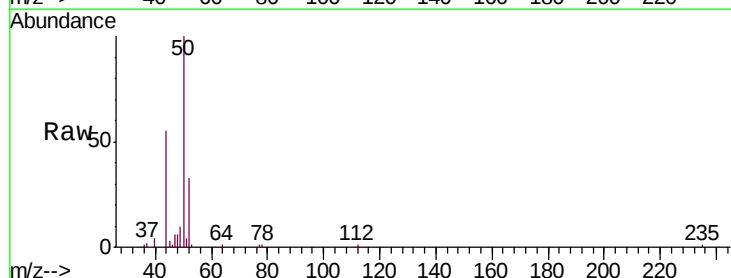
Acq: 16 May 2019 12:39

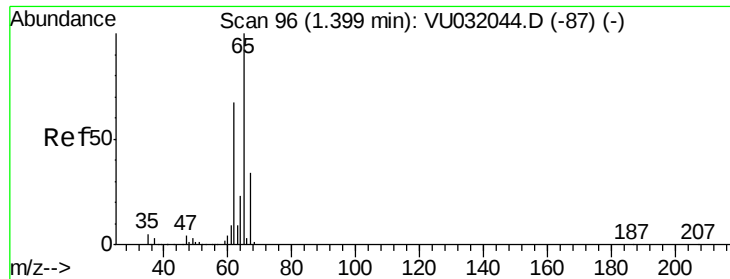
Tgt Ion: 50 Resp: 21092

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.0





#5

Vinyl chloride

Concen: 0.916 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

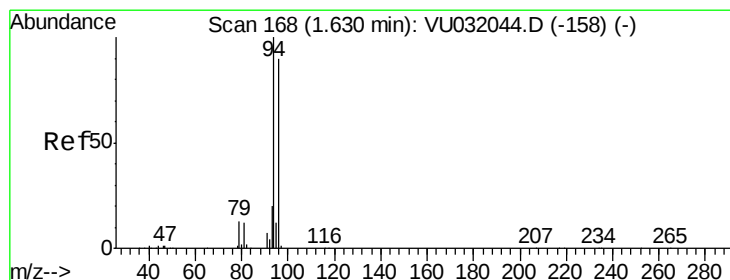
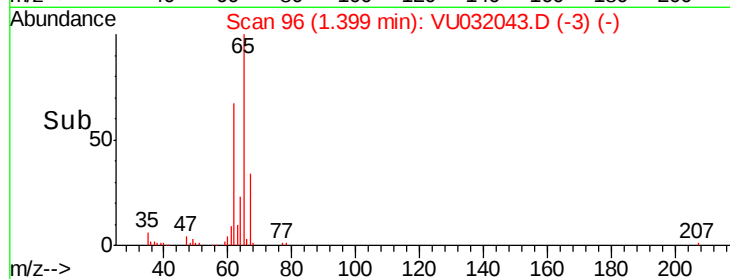
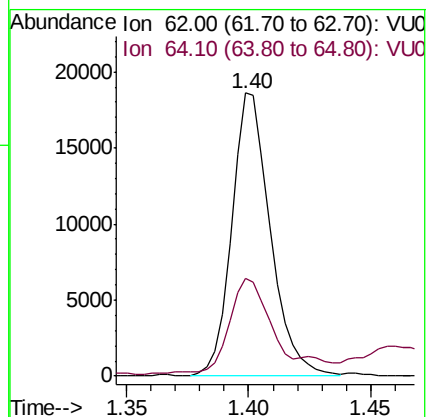
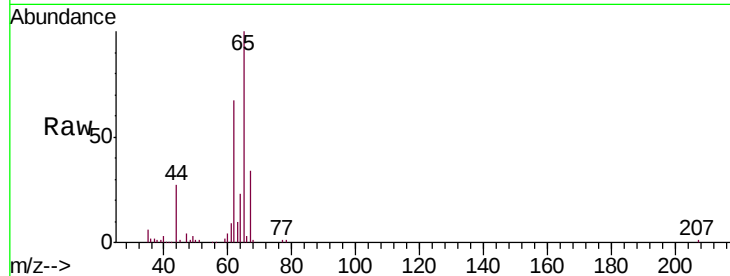
VSTD00107

Tgt Ion: 62 Resp: 20411

Ion Ratio Lower Upper

62 100

64 34.6 24.8 46.1



#6

Bromomethane

Concen: 1.050 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU032043.D

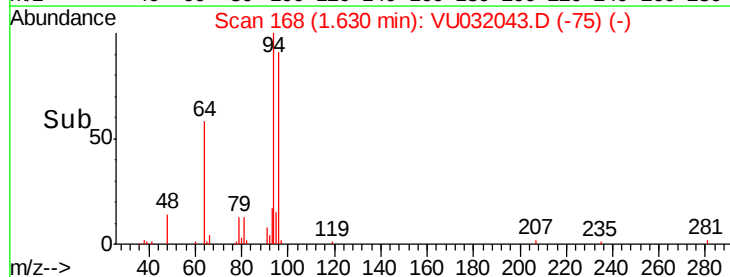
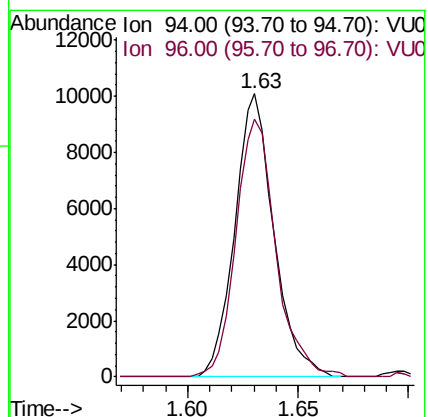
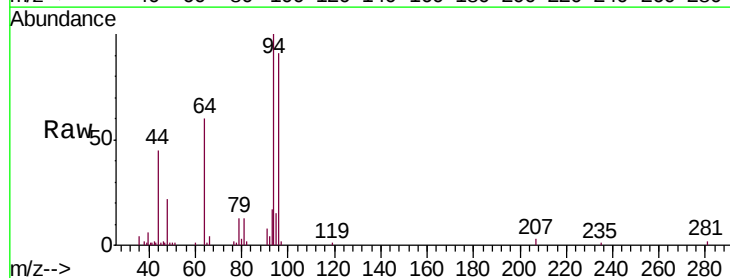
Acq: 16 May 2019 12:39

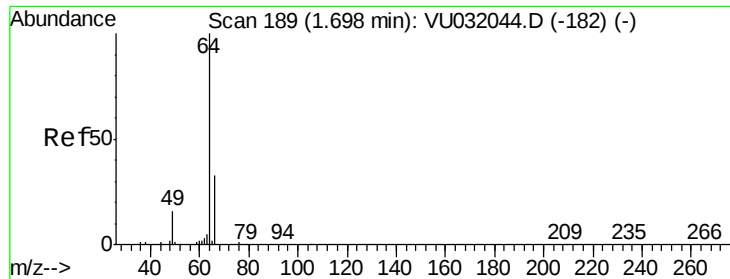
Tgt Ion: 94 Resp: 12434

Ion Ratio Lower Upper

94 100

96 91.1 63.3 117.7





#8

Chloroethane

Concen: 0.849 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

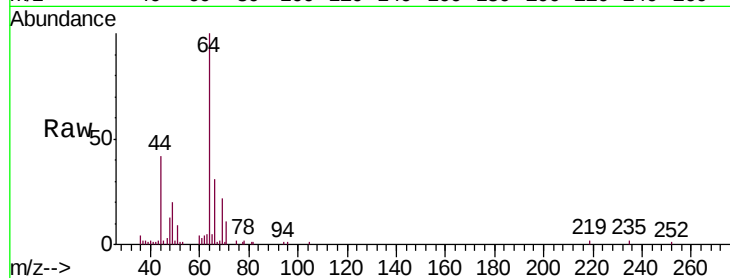
VSTD00107

Tgt Ion: 64 Resp: 12446

Ion Ratio Lower Upper

64 100

66 31.3 22.0 41.0



Abundance Ion 64.10 (63.80 to 64.80): VU032043.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU032043.D (-182) (-)

1.70

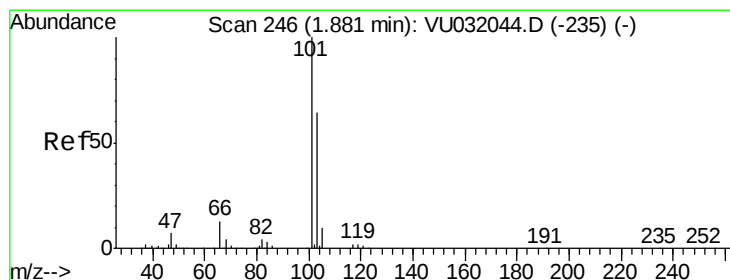
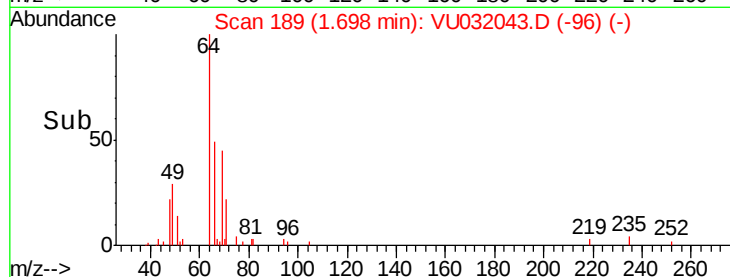
10000

5000

0

1.66 1.68 1.70 1.72 1.74

Time-->



#9

Trichlorofluoromethane

Concen: 1.036 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU032043.D

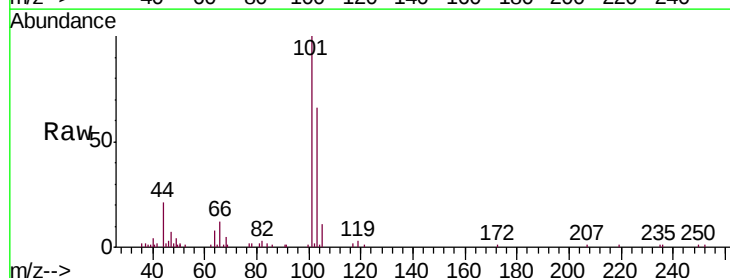
Acq: 16 May 2019 12:39

Tgt Ion: 101 Resp: 25375

Ion Ratio Lower Upper

101 100

103 66.4 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU032043.D (-153) (-)

Ion 103.00 (102.70 to 103.70): VU032043.D (-153) (-)

1.88

20000

15000

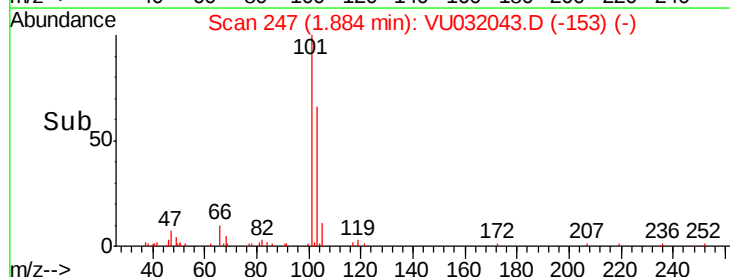
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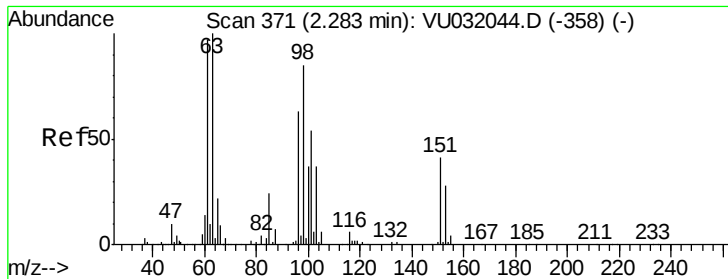
5000

0

1.85 1.90

Time-->





#10

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

Concen: 1.032 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00107

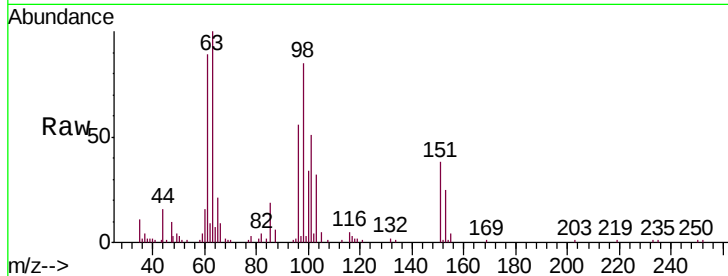
Tgt Ion:101 Resp: 16560

Ion Ratio Lower Upper

101 100

85 43.9 33.8 50.8

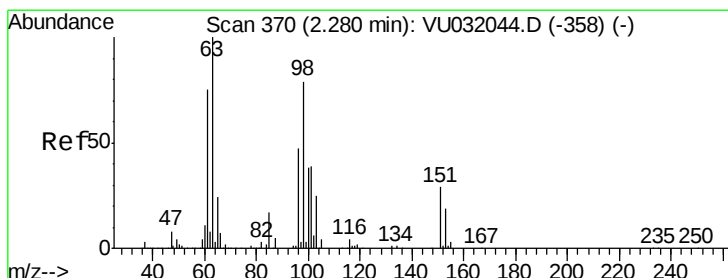
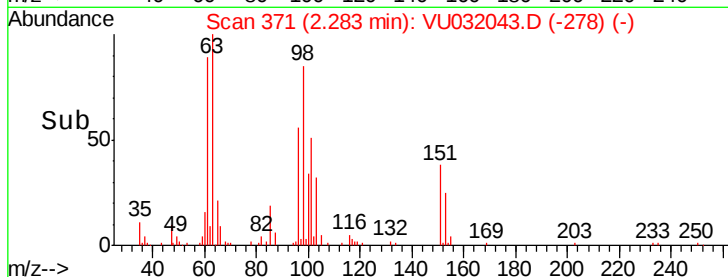
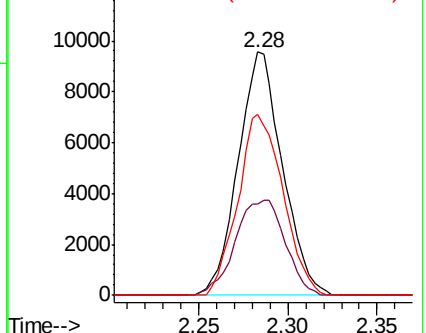
151 75.9 59.4 89.2



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: 1.029 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

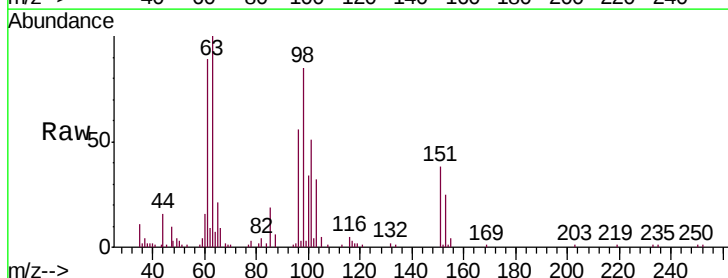
Tgt Ion: 96 Resp: 16365

Ion Ratio Lower Upper

96 100

61 157.4 111.7 207.5

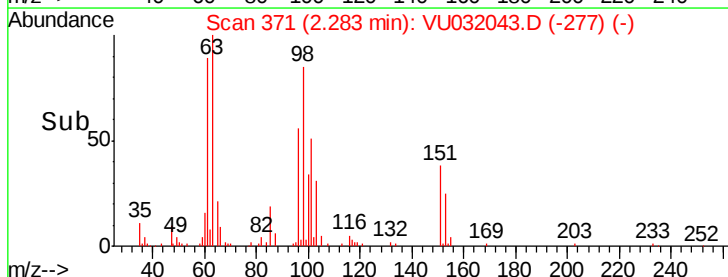
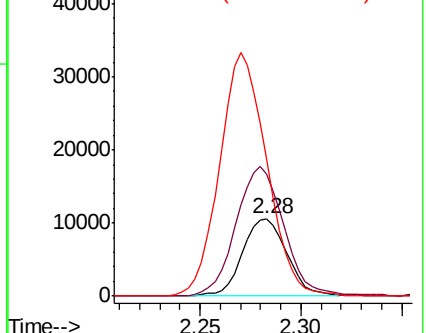
63 177.4 152.2 282.6

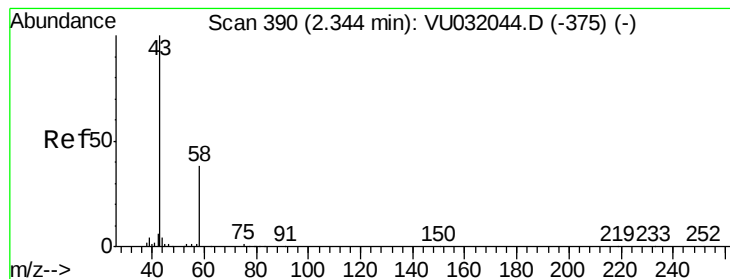


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.607 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.00 min

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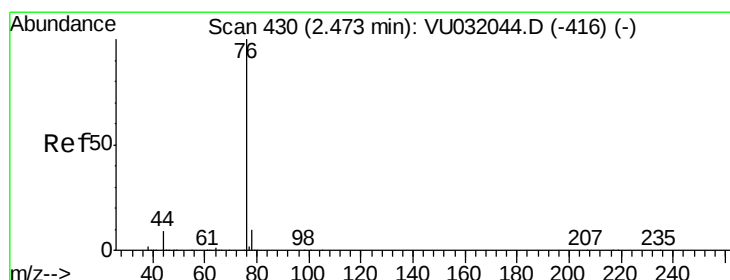
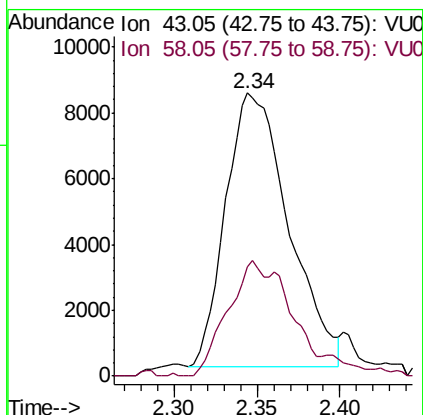
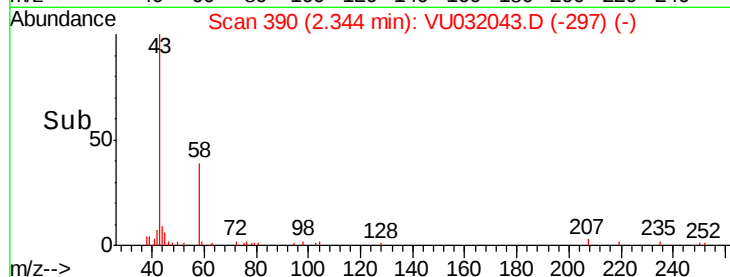
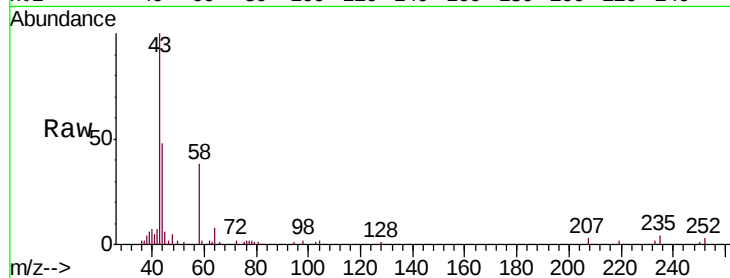
VSTD00107

Tgt Ion: 43 Resp: 22021

Ion Ratio Lower Upper

43 100

58 41.2 0.0 78.8



#14

Carbon disulfide

Concen: 0.966 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032043.D

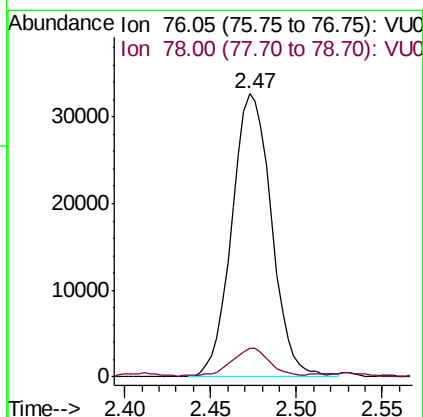
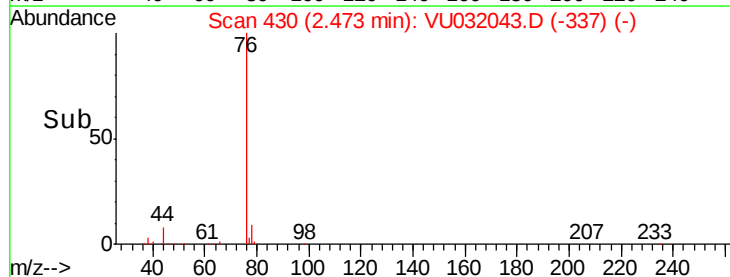
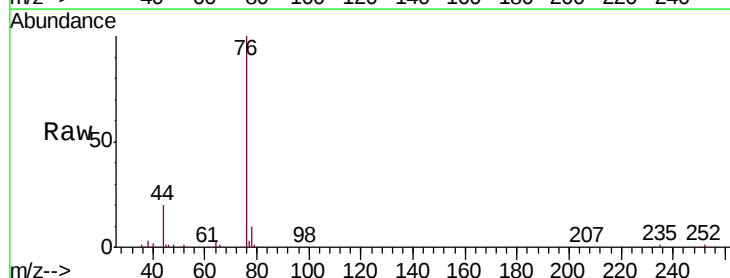
Acq: 16 May 2019 12:39

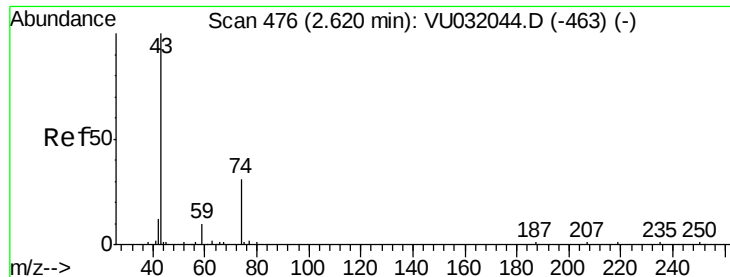
Tgt Ion: 76 Resp: 52588

Ion Ratio Lower Upper

76 100

78 10.0 7.8 11.6





#15

Methyl Acetate

Concen: 0.909 ug/L

RT: 2.63 min Scan# 478

Delta R.T. 0.01 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

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ClientSampleId :

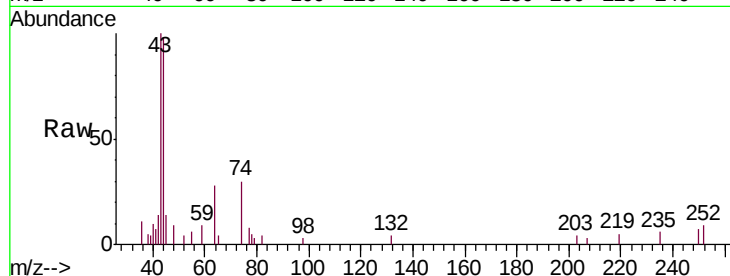
VSTD00107

Tgt Ion: 43 Resp: 6776

Ion Ratio Lower Upper

43 100

74 30.5 26.4 39.6



Abundance Ion 43.05 (42.75 to 43.75): VU032043.D (-463) (-)

Ion 74.05 (73.75 to 74.75): VU032043.D (-463) (-)

2.63

3000

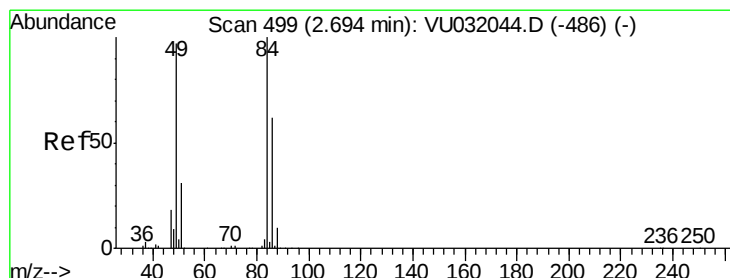
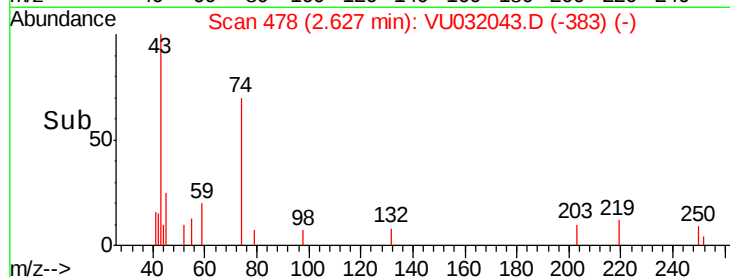
2000

1000

0

2.60 2.65

Time-->



#16

Methylene chloride

Concen: 1.110 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

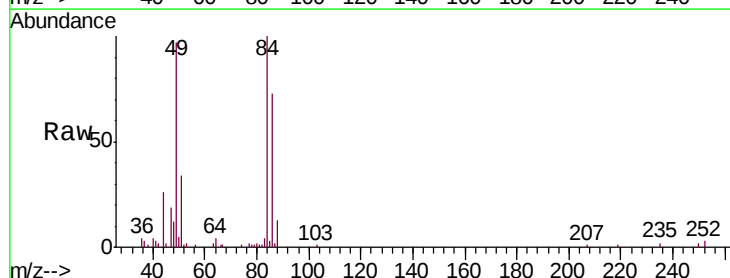
Tgt Ion: 84 Resp: 20775

Ion Ratio Lower Upper

84 100

86 72.6 43.1 80.1

49 97.2 67.7 125.7



Abundance Ion 84.05 (83.75 to 84.75): VU032043.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU032043.D (-406) (-)

Ion 49.10 (48.80 to 49.80): VU032043.D (-406) (-)

2.70

15000

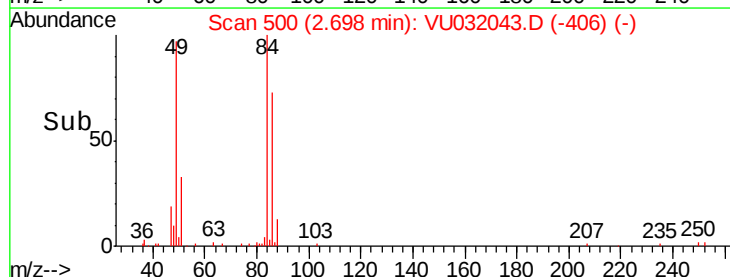
10000

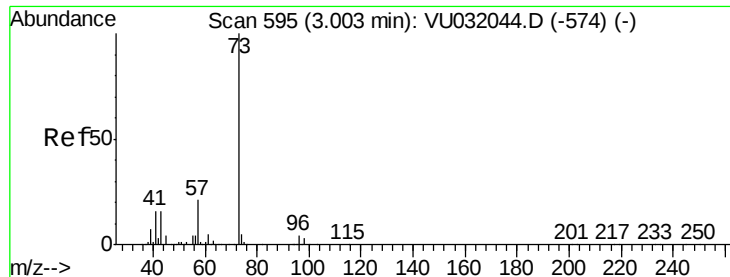
5000

0

2.65 2.70 2.75

Time-->





#17

Methyl tert-butyl Ether

Concen: 0.982 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00107

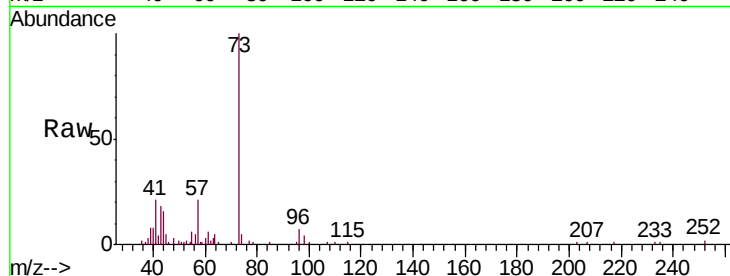
Tgt Ion: 73 Resp: 38189

Ion Ratio Lower Upper

73 100

43 18.7 13.0 19.6

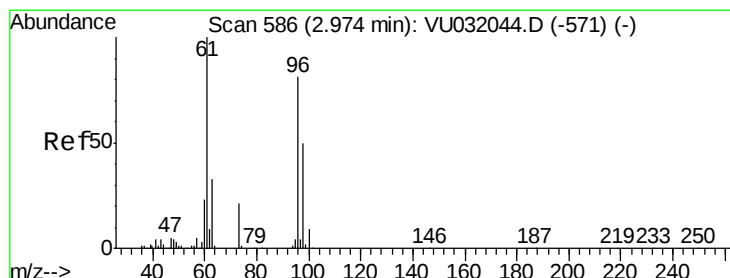
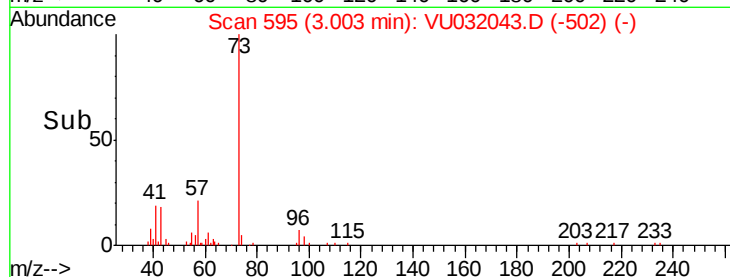
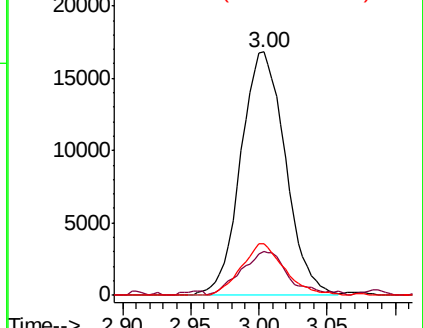
57 20.5 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU032043.D (-574) (-)

Ion 43.05 (42.75 to 43.75): VU032043.D (-574) (-)

Ion 57.10 (56.80 to 57.80): VU032043.D (-574) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.980 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

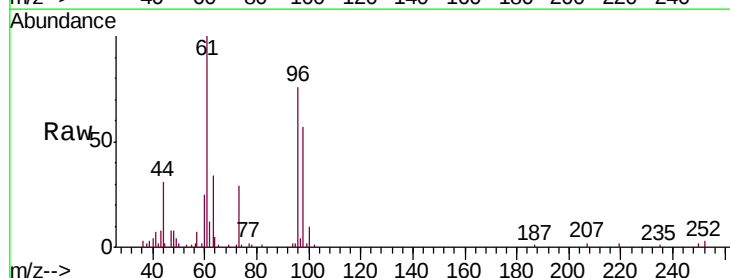
Tgt Ion: 96 Resp: 17165

Ion Ratio Lower Upper

96 100

61 131.7 86.5 160.7

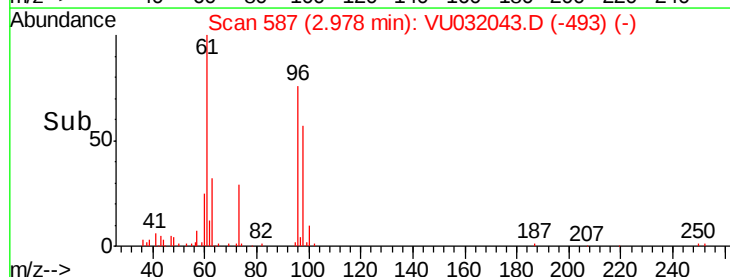
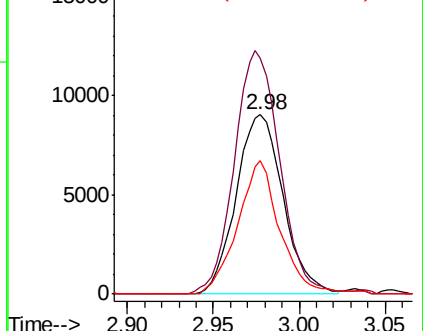
98 74.6 43.5 80.9

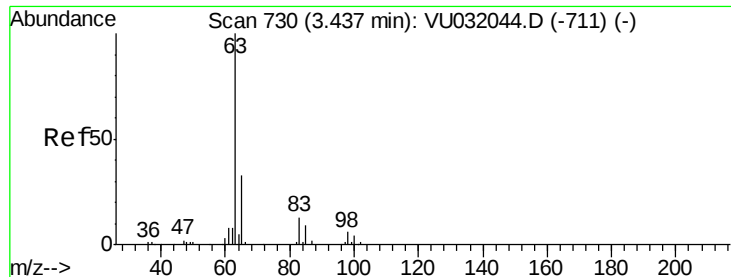


Abundance Ion 96.00 (95.70 to 96.70): VU032043.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU032043.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU032043.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 0.913 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00107

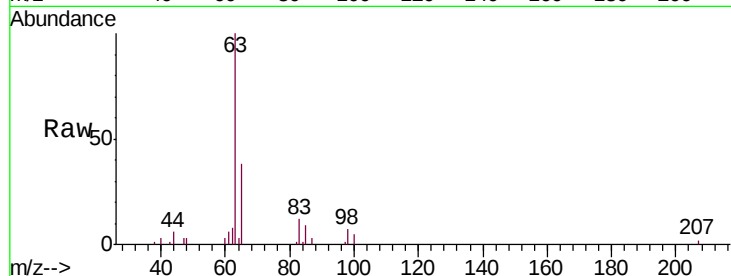
Tgt Ion: 63 Resp: 27067

Ion Ratio Lower Upper

63 100

65 38.3 23.0 42.6

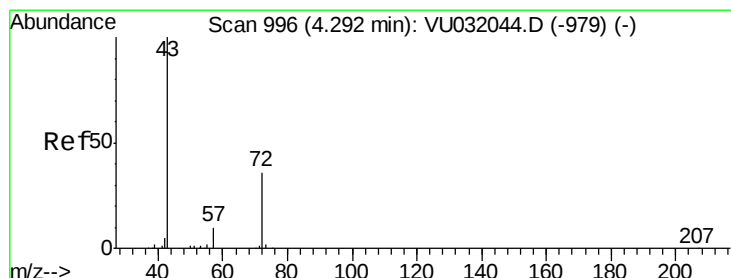
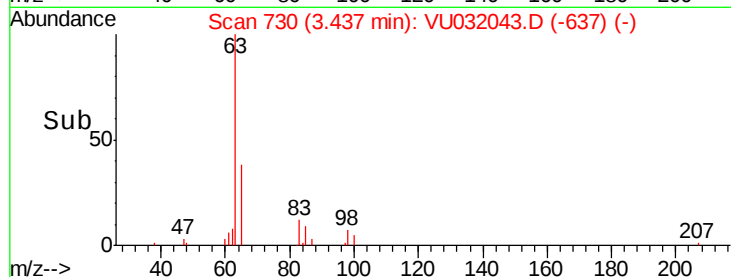
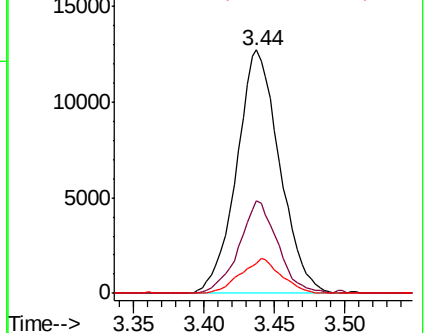
83 12.4 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU032043.D (-637) (-)

Ion 65.10 (64.80 to 65.80): VU032043.D (-637) (-)

Ion 83.05 (82.75 to 83.75): VU032043.D (-637) (-)



#21

2-Butanone

Concen: 7.799 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VU032043.D

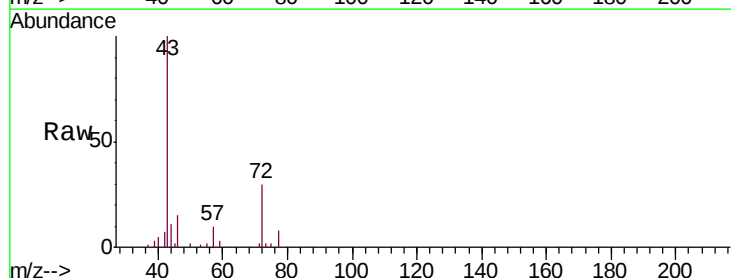
Acq: 16 May 2019 12:39

Tgt Ion: 43 Resp: 30488

Ion Ratio Lower Upper

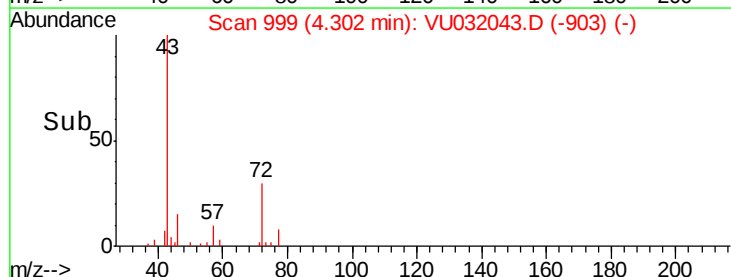
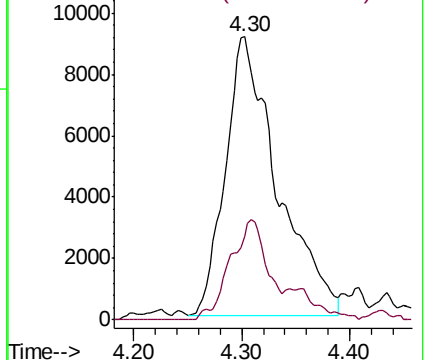
43 100

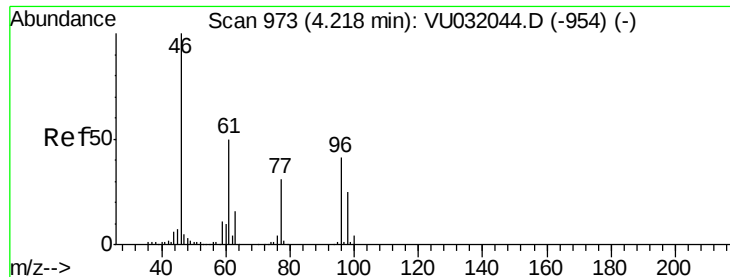
72 25.6 16.8 50.3



Abundance Ion 43.05 (42.75 to 43.75): VU032043.D (-903) (-)

Ion 72.10 (71.80 to 72.80): VU032043.D (-903) (-)



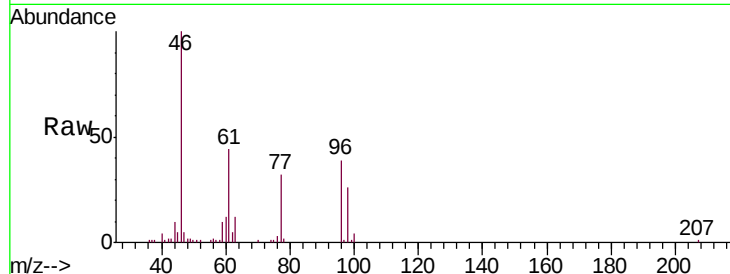


#22

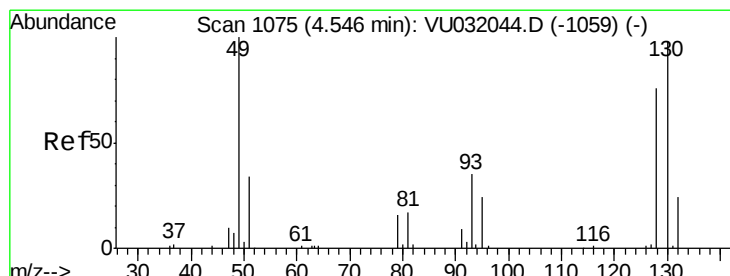
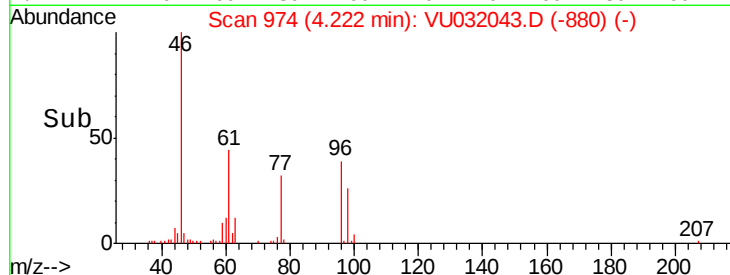
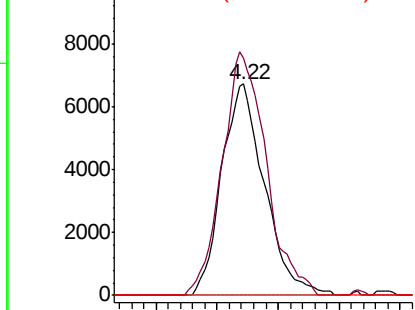
cis-1,2-Dichloroethene
Concen: 0.940 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU032043.D
Acq: 16 May 2019 12:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00107

Tgt Ion: 96 Resp: 16410
Ion Ratio Lower Upper
96 100
61 112.6 85.8 159.4
68 0.0 0.0 0.0



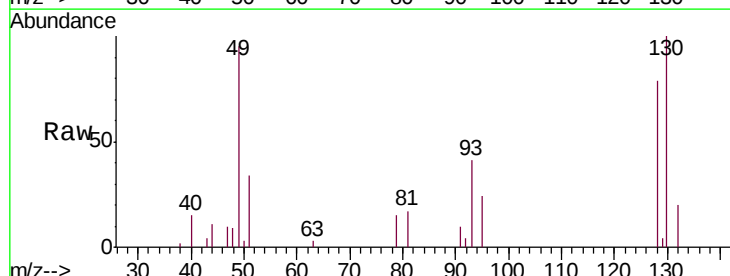
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



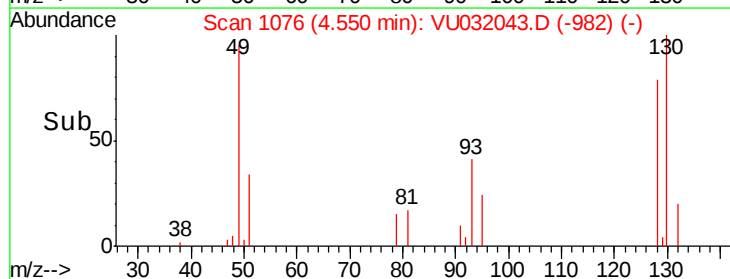
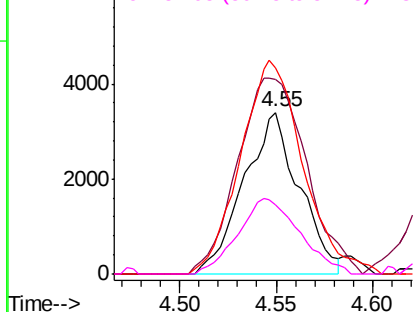
#23

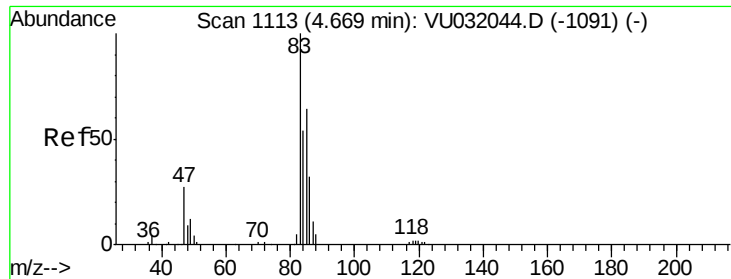
Bromochloromethane
Concen: 0.904 ug/L
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU032043.D
Acq: 16 May 2019 12:39

Tgt Ion: 128 Resp: 6791
Ion Ratio Lower Upper
128 100
49 120.4 92.2 171.2
130 127.3 90.3 167.7
51 42.9 35.3 52.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 0.956 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

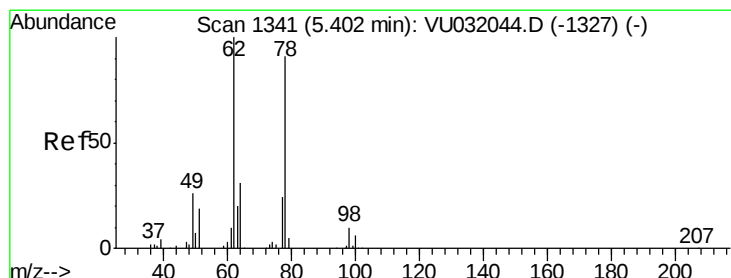
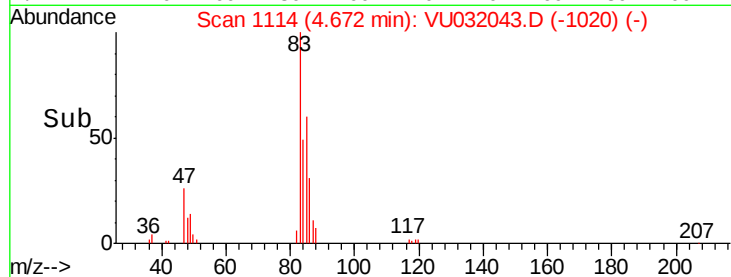
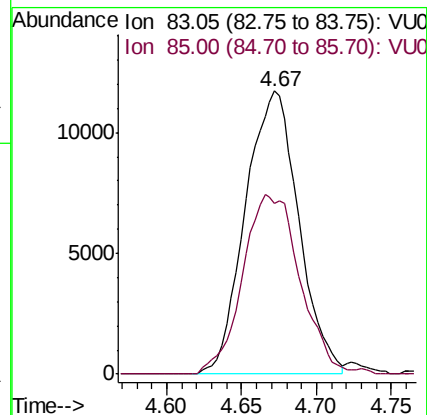
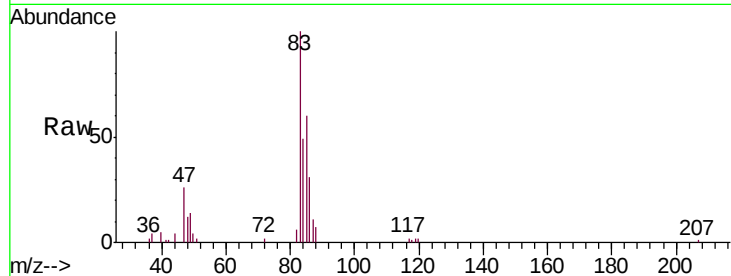
VSTD00107

Tgt Ion: 83 Resp: 29057

Ion Ratio Lower Upper

83 100

85 60.4 44.9 83.3



#27

1,2-Dichloroethane

Concen: 0.950 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU032043.D

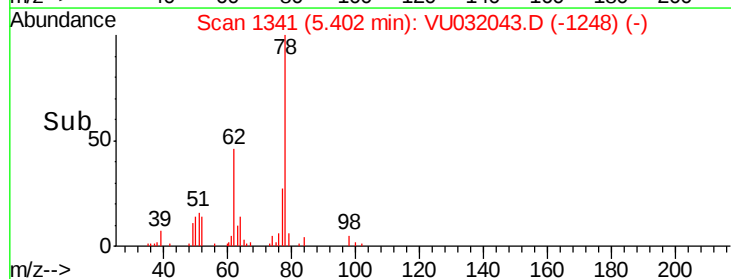
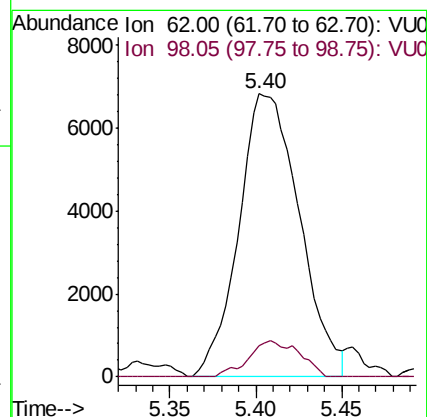
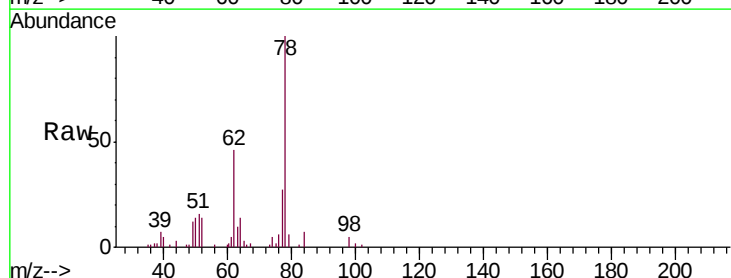
Acq: 16 May 2019 12:39

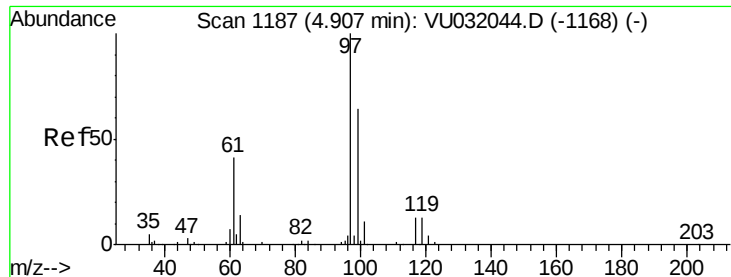
Tgt Ion: 62 Resp: 16740

Ion Ratio Lower Upper

62 100

98 10.8 8.0 12.0

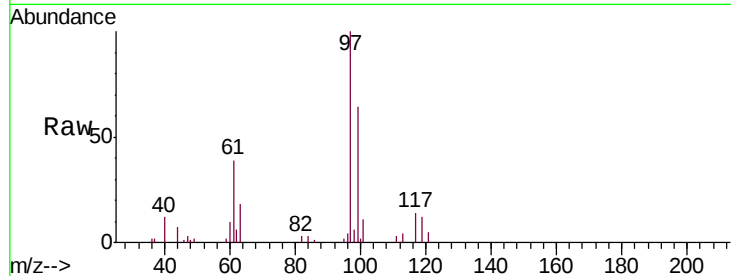




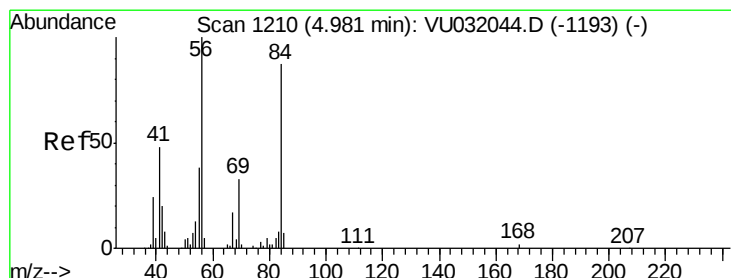
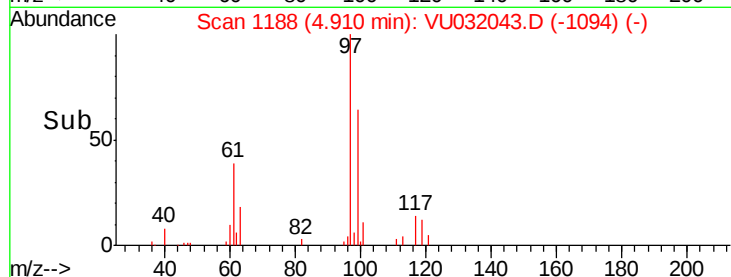
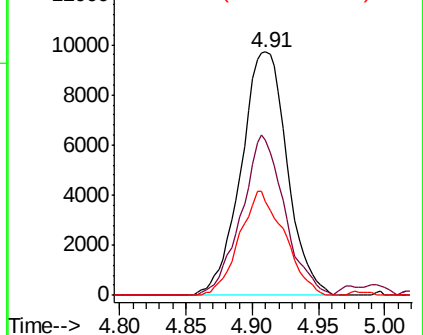
#29
 1,1,1-Trichloroethane
 Concen: 1.016 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00107

Tgt Ion: 97 Resp: 23561
 Ion Ratio Lower Upper
 97 100
 99 61.4 53.7 80.5
 61 41.7 34.2 51.4

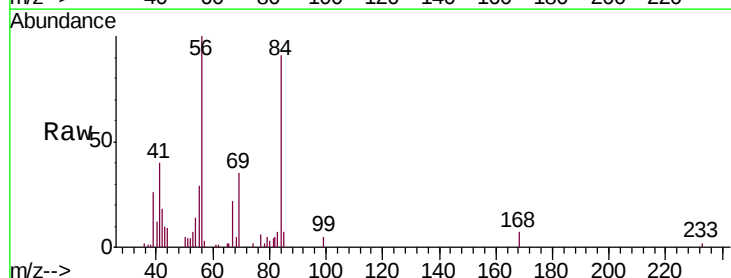


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

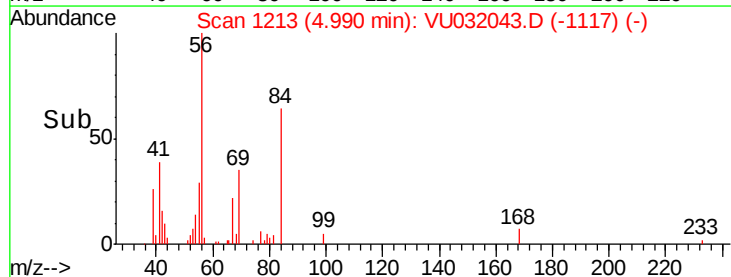
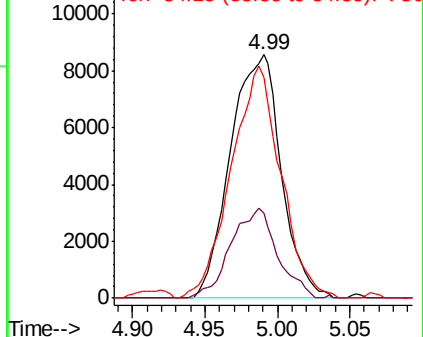


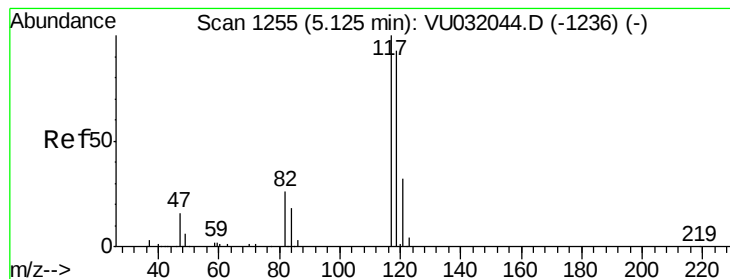
#30
 Cyclohexane
 Concen: 0.826 ug/L
 RT: 4.99 min Scan# 1213
 Delta R.T. 0.01 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

Tgt Ion: 56 Resp: 20877
 Ion Ratio Lower Upper
 56 100
 69 33.7 26.9 40.3
 84 92.6 76.6 115.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 1.001 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

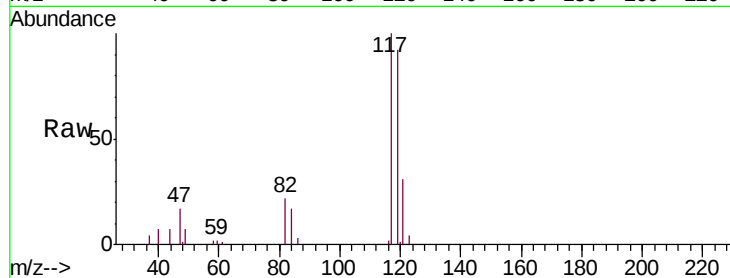
VSTD00107

Tgt Ion:117 Resp: 19735

Ion Ratio Lower Upper

117 100

119 96.2 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13

10000

8000

6000

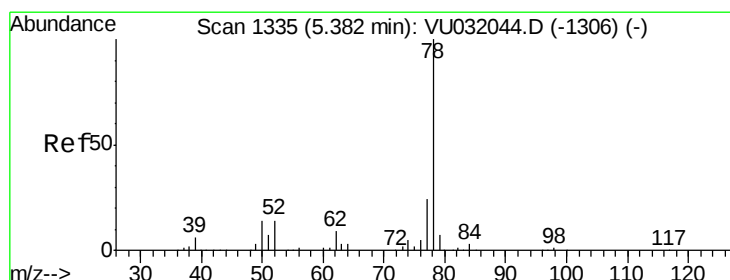
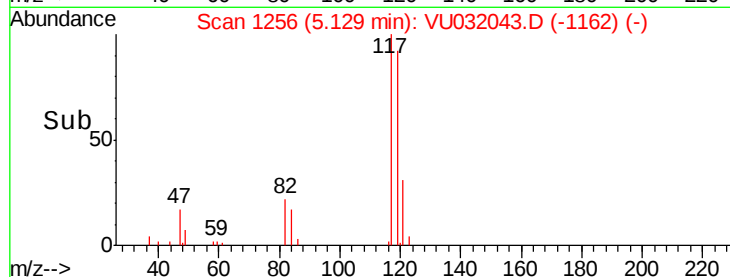
4000

2000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 0.872 ug/L

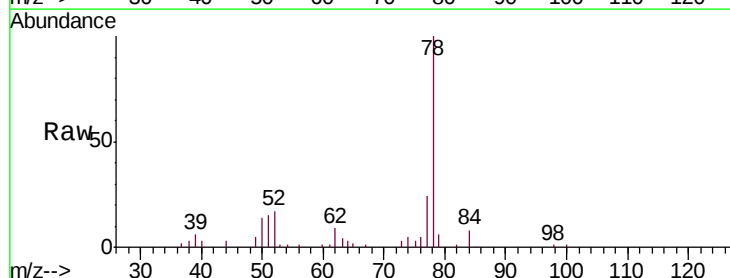
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Tgt Ion: 78 Resp: 58167



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.39

30000

25000

20000

15000

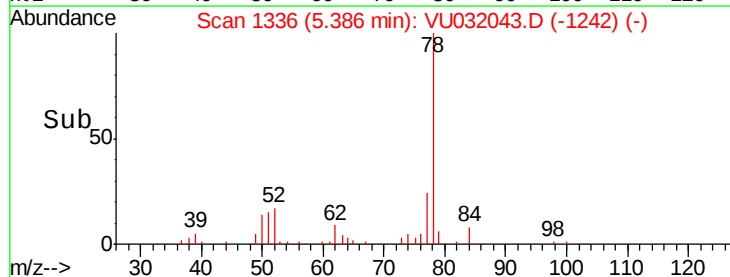
10000

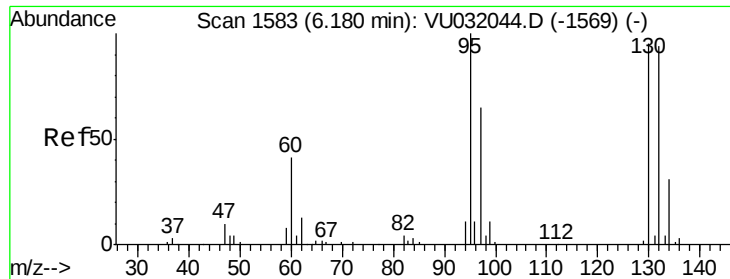
5000

0

Time-->

5.30 5.35 5.40 5.45





#34

Trichloroethene

Concen: 0.948 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00107

Tgt Ion: 95 Resp: 16802

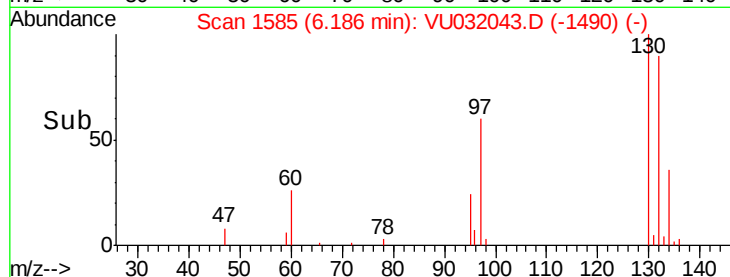
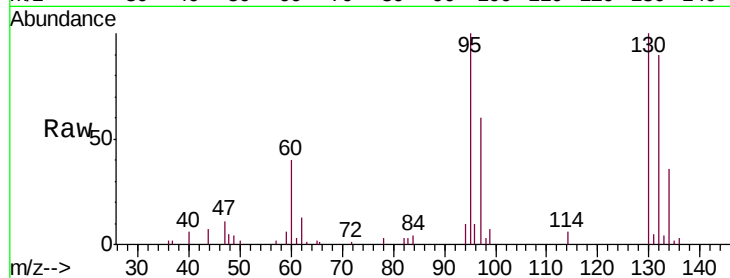
Ion Ratio Lower Upper

95 100

97 60.2 45.2 84.0

132 90.6 66.1 122.7

130 100.4 66.7 123.9

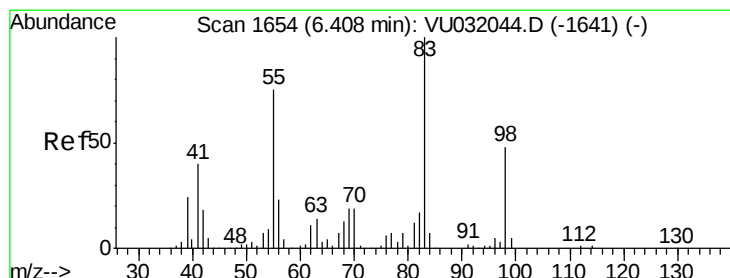
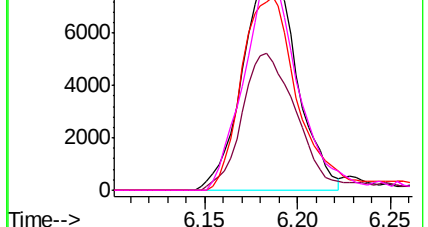


Abundance Ion 95.00 (94.70 to 95.70): VU032043.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU032043.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU032043.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU032043.D (-1490) (-)



#35

Methylcyclohexane

Concen: 0.890 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

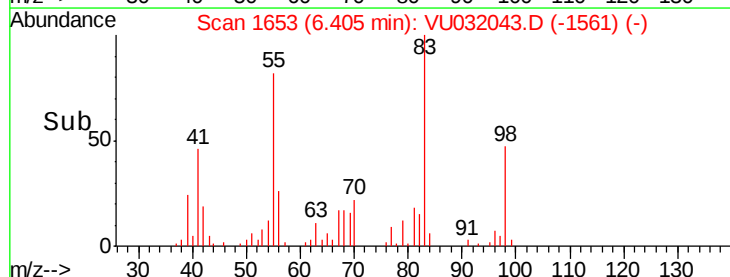
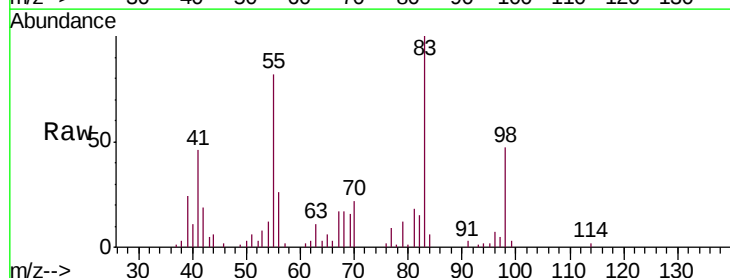
Tgt Ion: 83 Resp: 22204

Ion Ratio Lower Upper

83 100

55 76.5 59.7 89.5

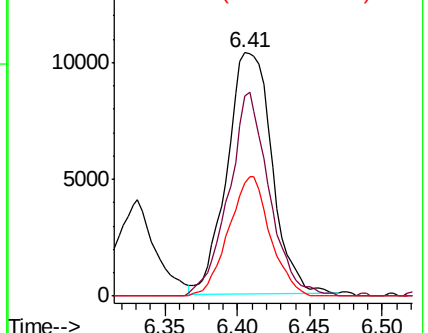
98 45.7 36.8 55.2

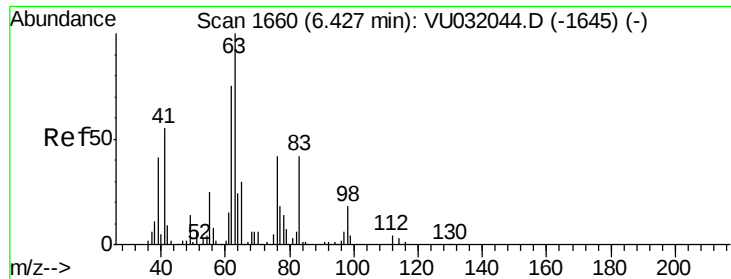


Abundance Ion 83.15 (82.85 to 83.85): VU032043.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032043.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032043.D (-1561) (-)





#37

1,2-Dichloropropane

Concen: 0.856 ug/L

RT: 6.43 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

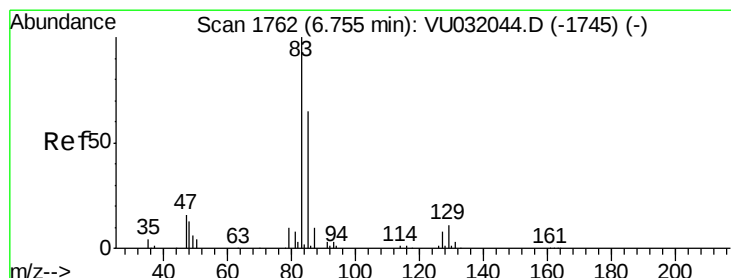
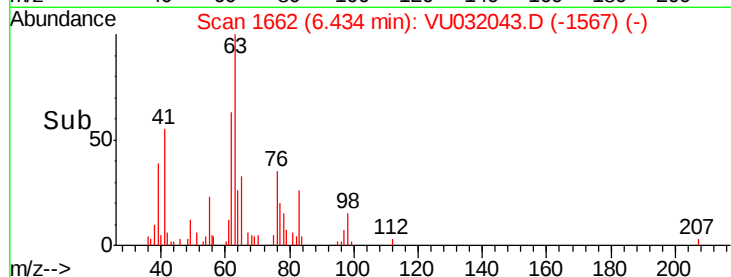
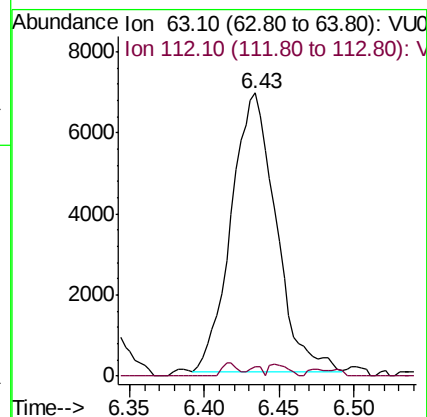
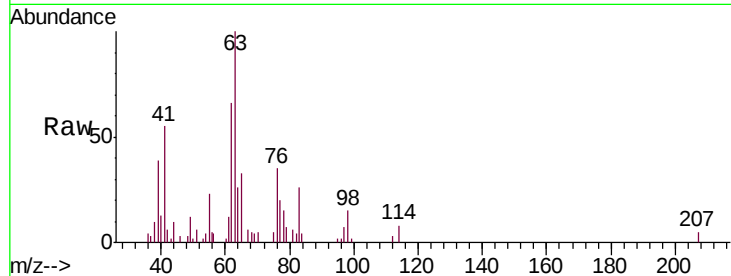
VSTD00107

Tgt Ion: 63 Resp: 14312

Ion Ratio Lower Upper

63 100

112 0.9 3.8 5.6#



#38

Bromodichloromethane

Concen: 0.980 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

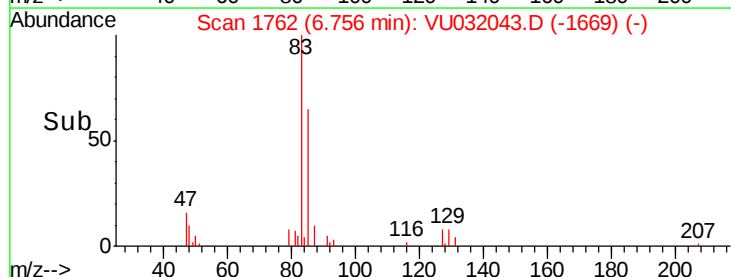
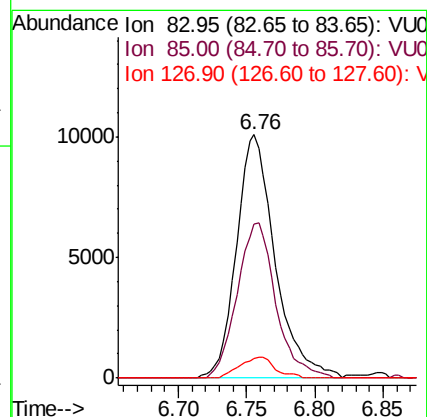
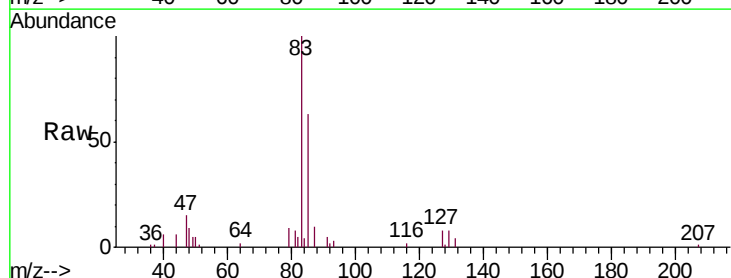
Tgt Ion: 83 Resp: 19831

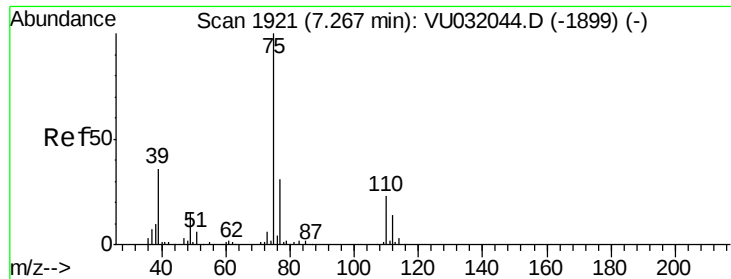
Ion Ratio Lower Upper

83 100

85 63.0 45.5 84.5

127 7.9 6.3 9.5



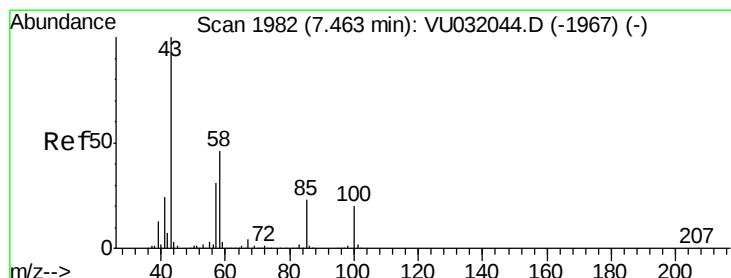
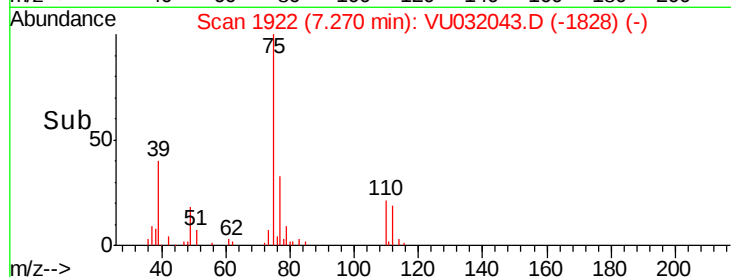
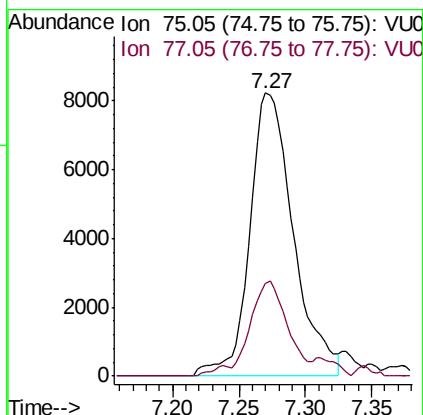
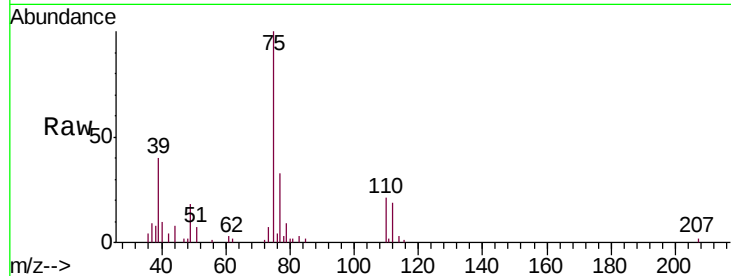


#39

cis-1,3-Dichloropropene
 Concen: 0.869 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00107

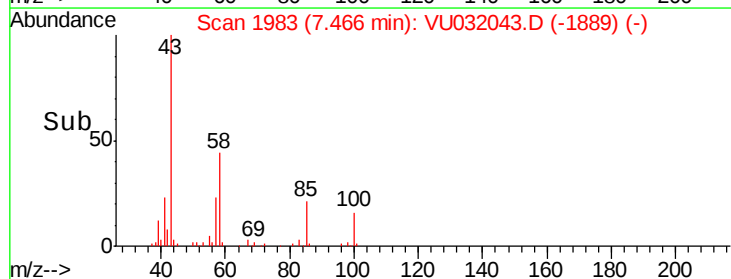
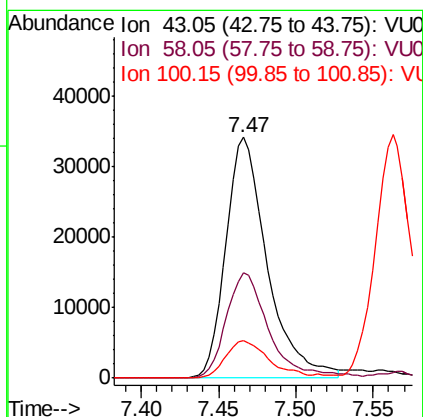
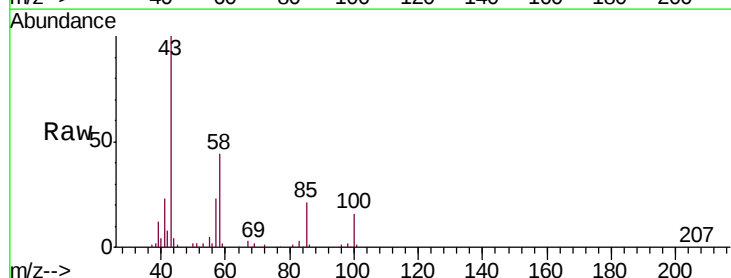
Tgt Ion: 75 Resp: 18884
 Ion Ratio Lower Upper
 75 100
 77 32.9 21.7 40.3

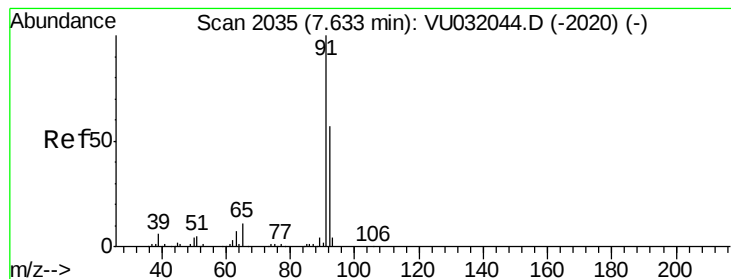


#40

4-Methyl-2-pentanone
 Concen: 7.180 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

Tgt Ion: 43 Resp: 63443
 Ion Ratio Lower Upper
 43 100
 58 45.2 37.3 55.9
 100 16.3 15.5 23.3





#42

Toluene

Concen: 0.879 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

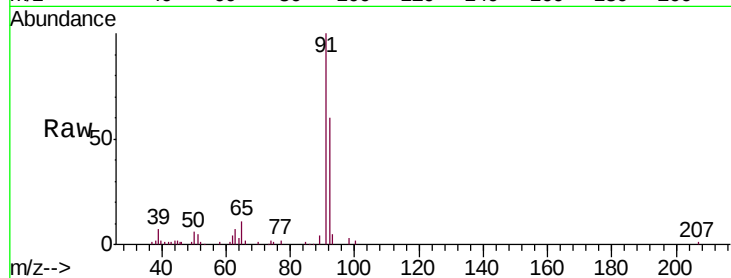
VSTD00107

Tgt Ion: 91 Resp: 59898

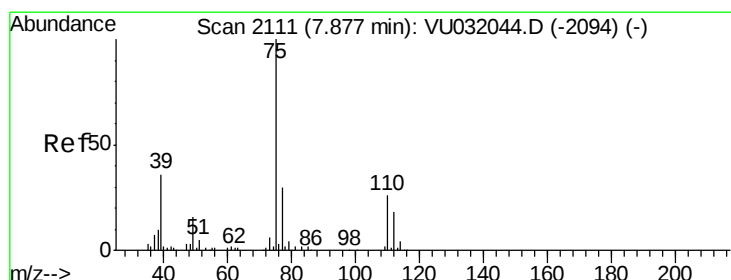
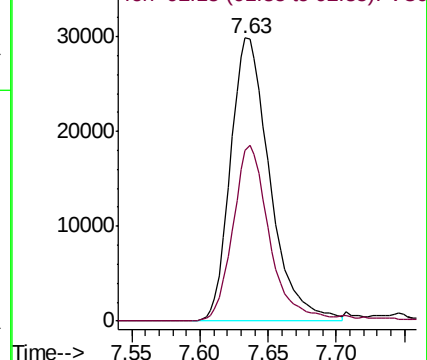
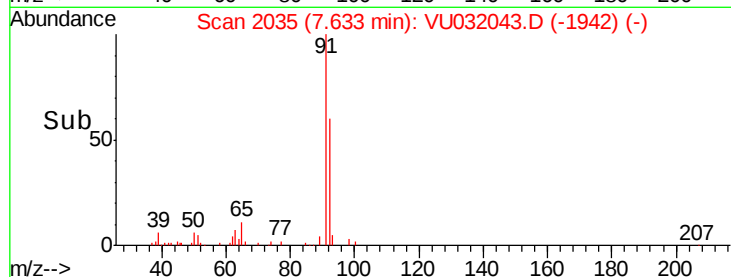
Ion Ratio Lower Upper

91 100

92 60.3 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU032043.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.817 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU032043.D

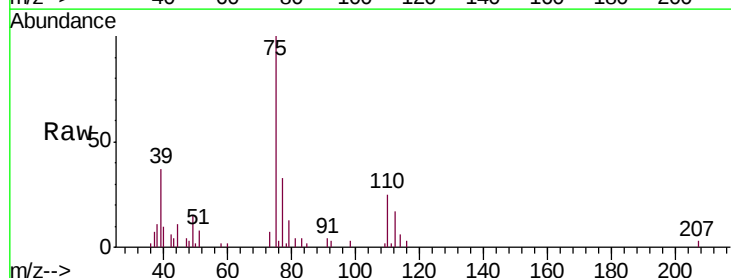
Acq: 16 May 2019 12:39

Tgt Ion: 75 Resp: 13950

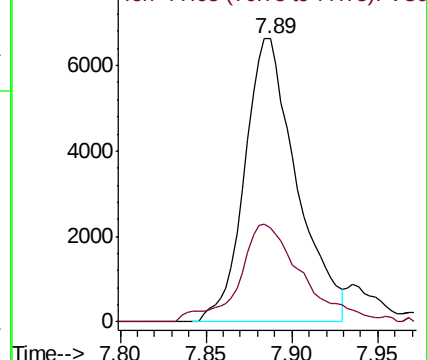
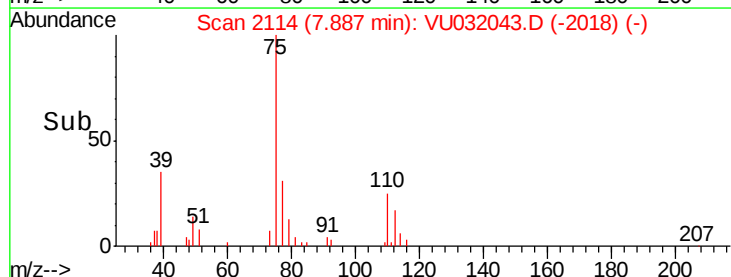
Ion Ratio Lower Upper

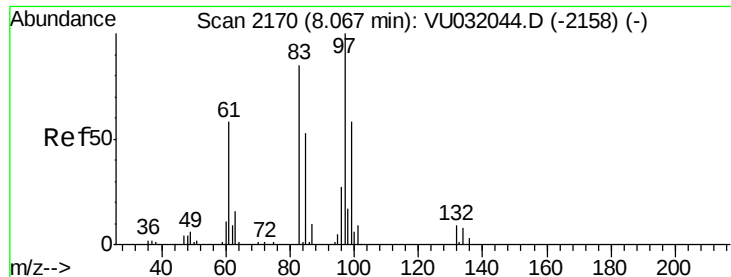
75 100

77 33.0 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032043.D (-2118) (-)

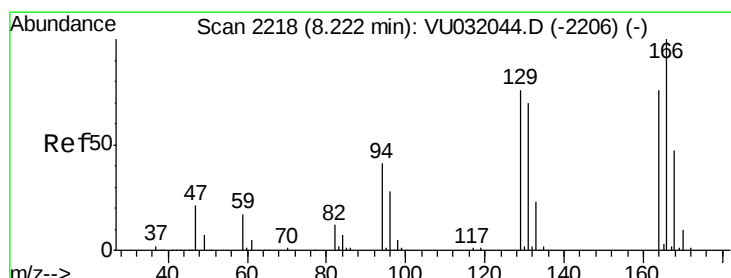
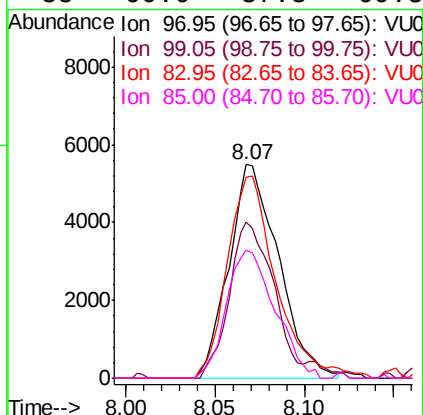
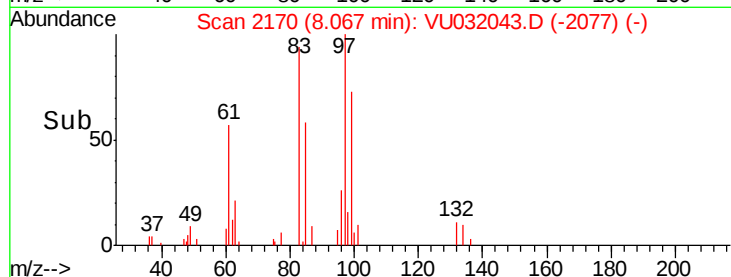
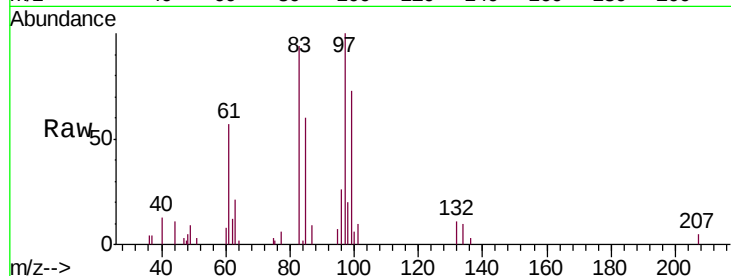




#45
 1,1,2-Trichloroethane
 Concen: 0.907 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

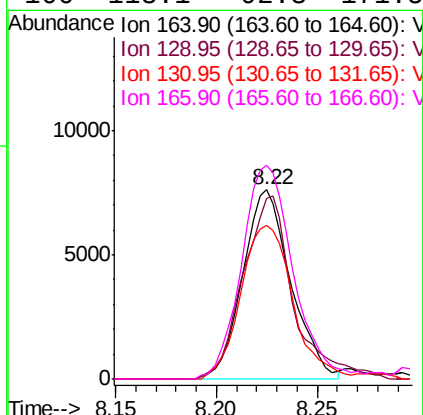
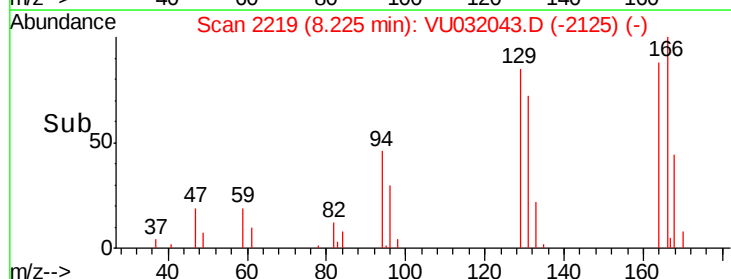
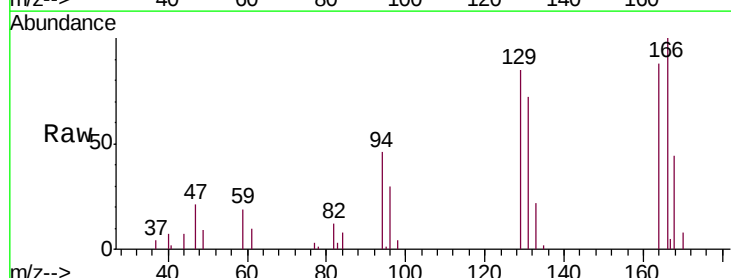
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00107

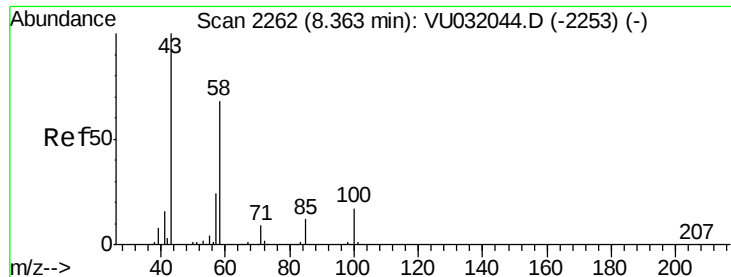
Tgt Ion:	97	Resp:	10634
Ion	Ratio	Lower	Upper
97	100		
99	73.2	40.7	75.7
83	94.2	59.6	110.8
85	60.0	37.3	69.3



#47
 Tetrachloroethene
 Concen: 1.017 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

Tgt Ion:	164	Resp:	12733
Ion	Ratio	Lower	Upper
164	100		
129	95.6	70.3	130.5
131	81.2	64.5	119.9
166	113.1	92.3	171.5

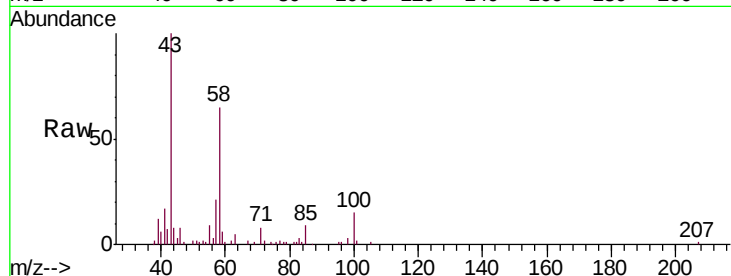




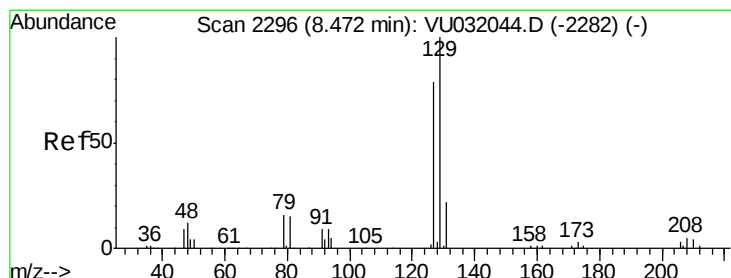
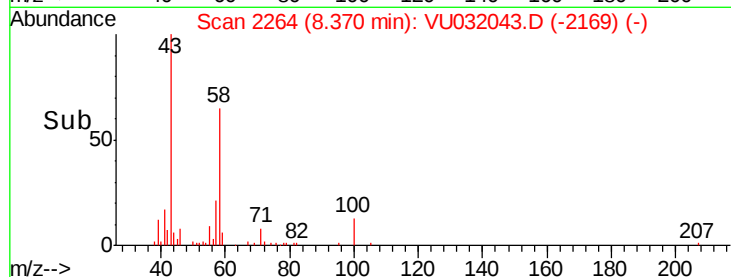
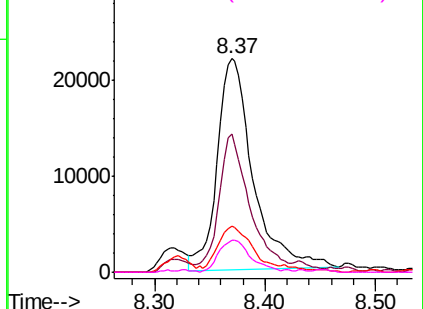
#48
2-Hexanone
Concen: 7.416 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032043.D
Acq: 16 May 2019 12:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00107

Tgt Ion:	43	Resp:	49488
Ion	Ratio	Lower	Upper
43	100		
58	54.8	51.6	77.4
57	23.2	18.4	27.6
100	13.6	12.2	18.4

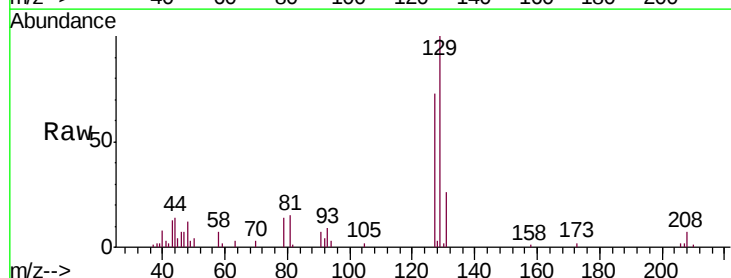


Abundance Ion 43.05 (42.75 to 43.75): VU032043.D (-2169) (-)
Ion 58.05 (57.75 to 58.75): VU032043.D (-2169) (-)
Ion 57.20 (56.90 to 57.90): VU032043.D (-2169) (-)
Ion 100.15 (99.85 to 100.85): VU032043.D (-2169) (-)

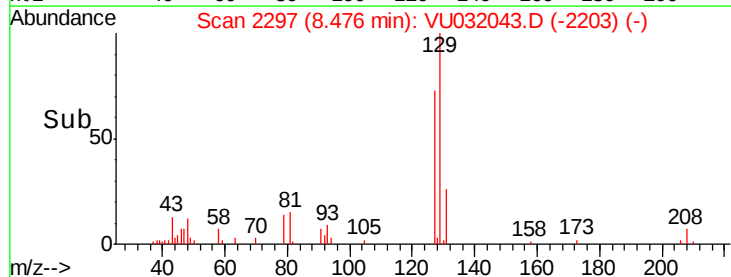
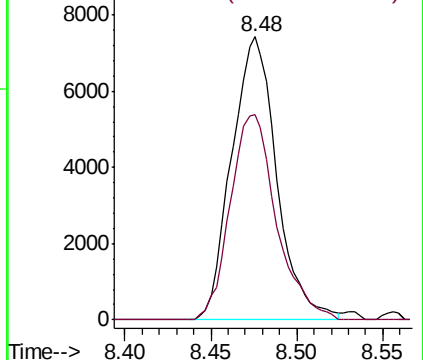


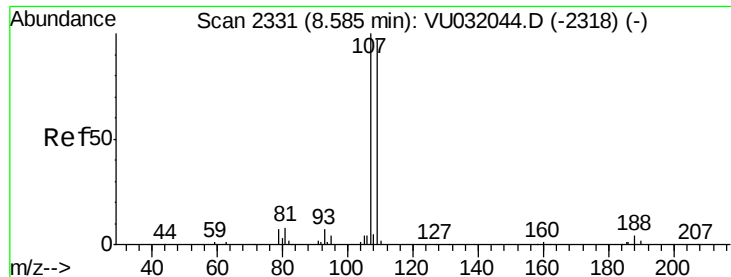
#49
Dibromochloromethane
Concen: 1.060 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU032043.D
Acq: 16 May 2019 12:39

Tgt Ion:	129	Resp:	13536
Ion	Ratio	Lower	Upper
129	100		
127	72.6	55.2	102.6



Abundance Ion 128.95 (128.65 to 129.65): VU032043.D (-2203) (-)
Ion 126.90 (126.60 to 127.60): VU032043.D (-2203) (-)

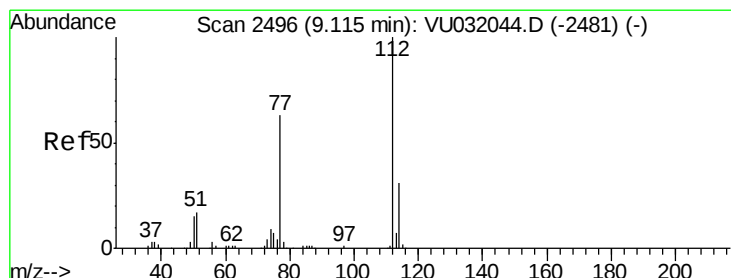
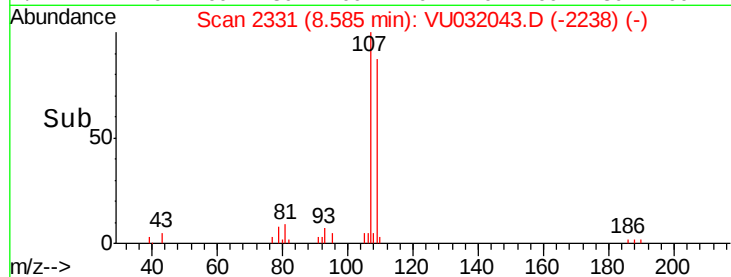
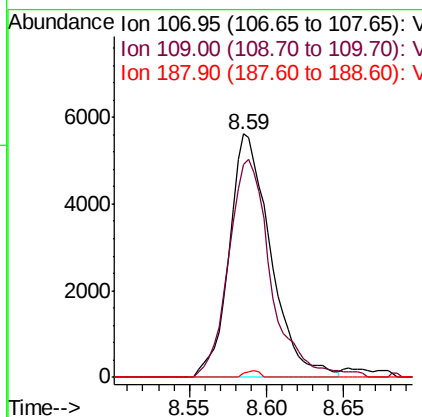
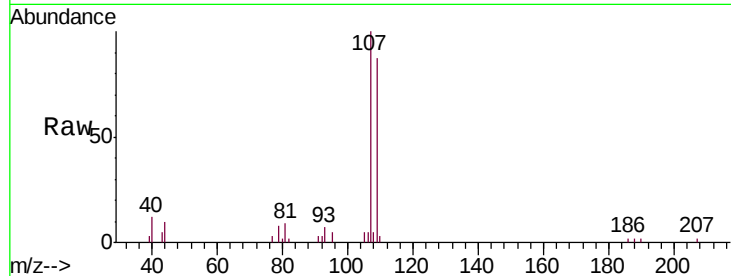




#50
 1,2-Dibromoethane
 Concen: 0.966 ug/L
 RT: 8.59 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

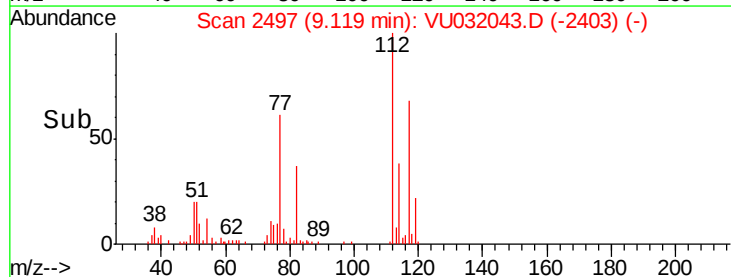
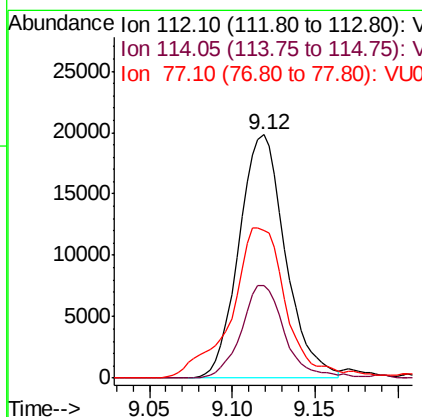
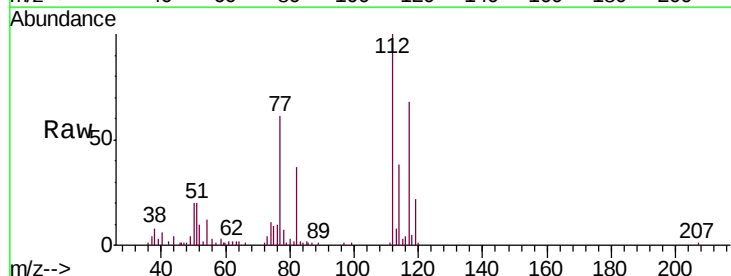
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00107

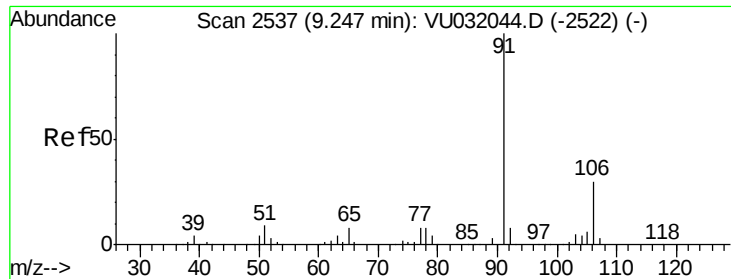
Tgt Ion:107 Resp: 10401
 Ion Ratio Lower Upper
 107 100
 109 87.5 67.8 125.8
 188 1.8 3.5 5.3#



#51
 Chlorobenzene
 Concen: 0.922 ug/L
 RT: 9.12 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

Tgt Ion:112 Resp: 38584
 Ion Ratio Lower Upper
 112 100
 114 38.2 21.6 40.2
 77 60.8 50.3 75.5





#52

Ethylbenzene

Concen: 0.842 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

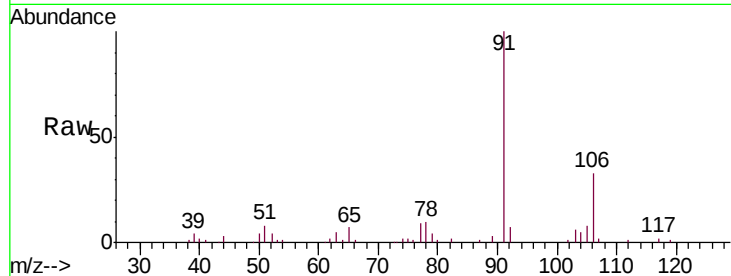
VSTD00107

Tgt Ion: 91 Resp: 57643

Ion Ratio Lower Upper

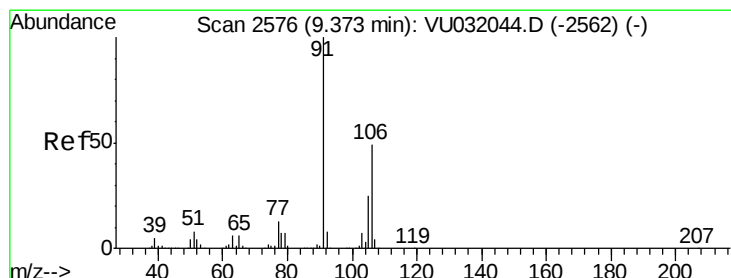
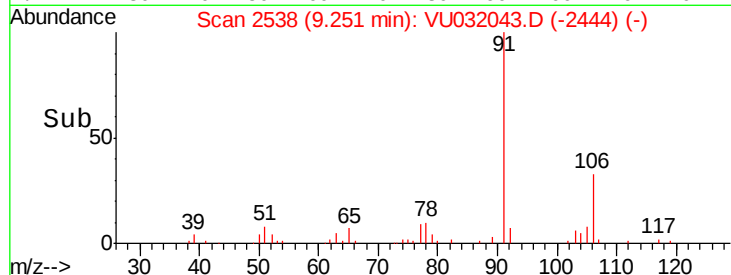
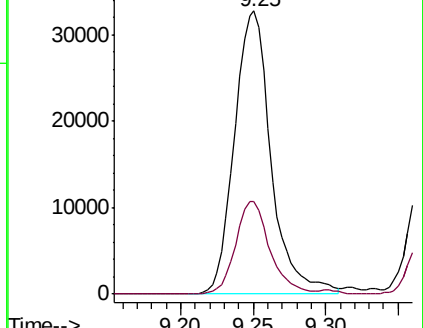
91 100

106 32.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU032043.D (-2522) (-)

Ion 106.15 (105.85 to 106.85): VU032043.D (-2522) (-)



#53

m,p-Xylene

Concen: 0.867 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032043.D

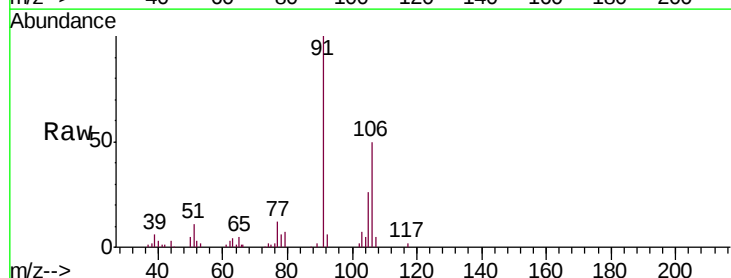
Acq: 16 May 2019 12:39

Tgt Ion: 106 Resp: 21918

Ion Ratio Lower Upper

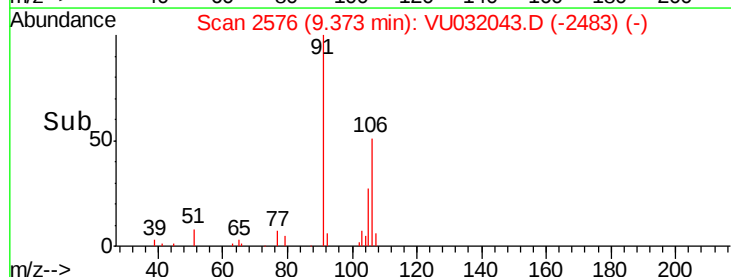
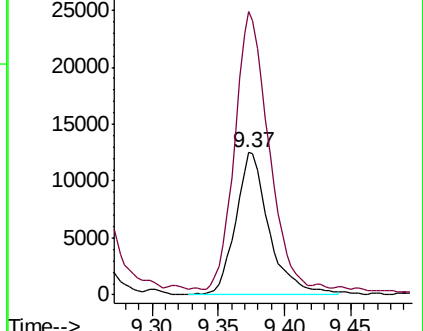
106 100

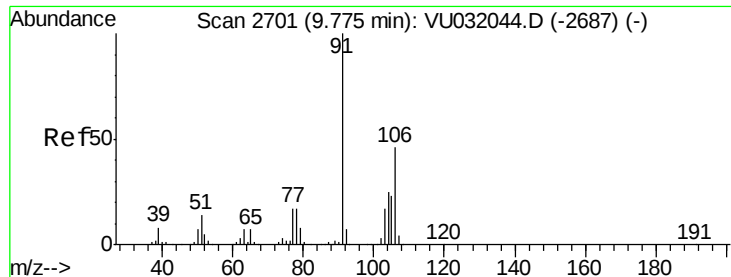
91 199.1 143.1 265.9



Abundance Ion 106.15 (105.85 to 106.85): VU032043.D (-2562) (-)

Ion 91.15 (90.85 to 91.85): VU032043.D (-2562) (-)

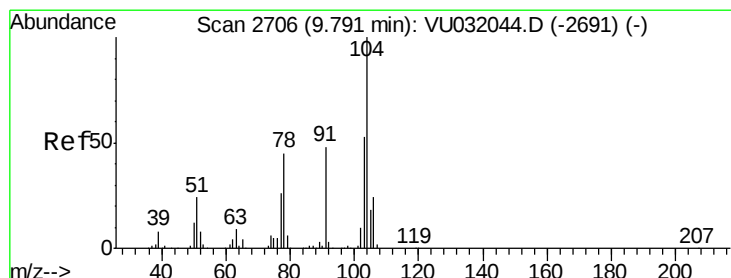
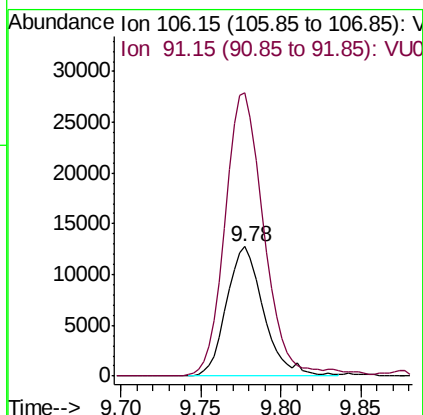
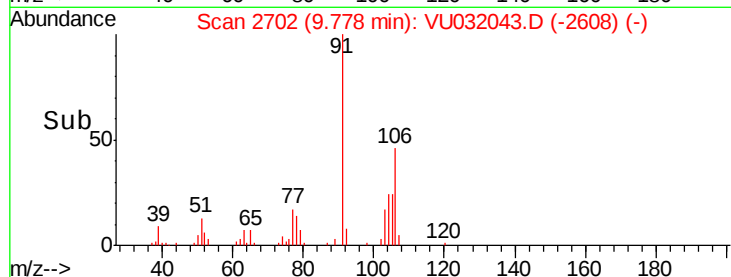
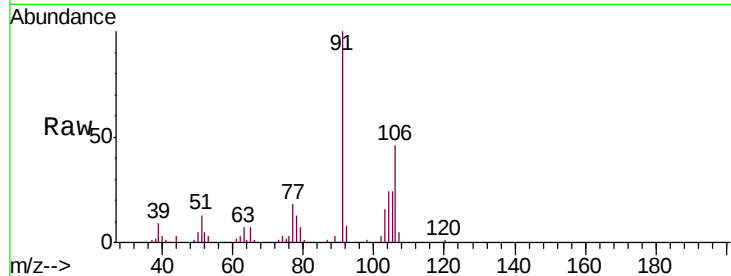




#54
o-Xylene
Concen: 0.822 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU032043.D
Acq: 16 May 2019 12:39

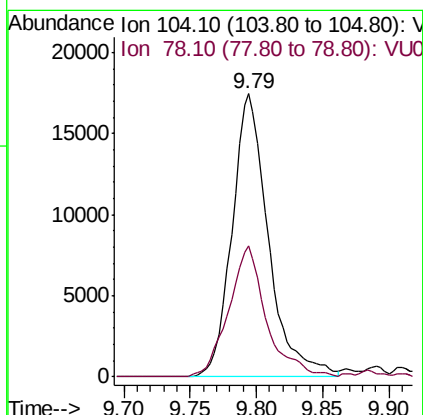
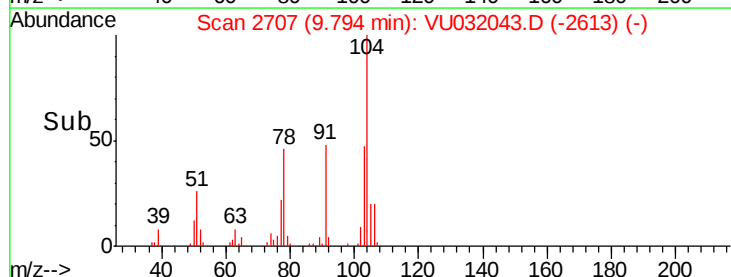
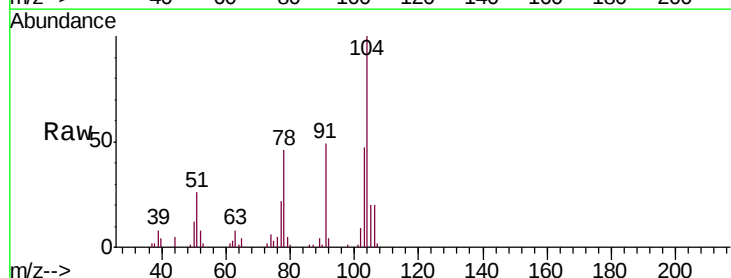
Instrument :
MSVOA_U
ClientSampleId :
VSTD00107

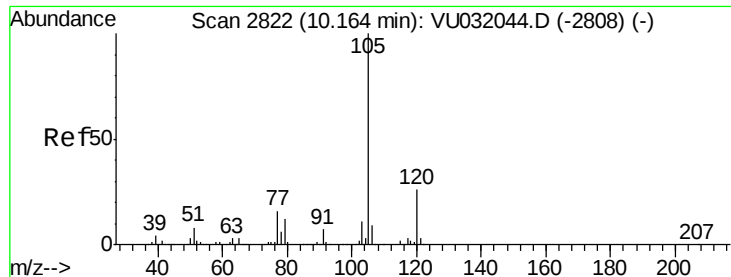
Tgt Ion:106 Resp: 20223
Ion Ratio Lower Upper
106 100
91 218.7 152.9 283.9



#55
Styrene
Concen: 0.832 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU032043.D
Acq: 16 May 2019 12:39

Tgt Ion:104 Resp: 33263
Ion Ratio Lower Upper
104 100
78 46.3 31.2 58.0





#56

Isopropylbenzene

Concen: 0.831 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00107

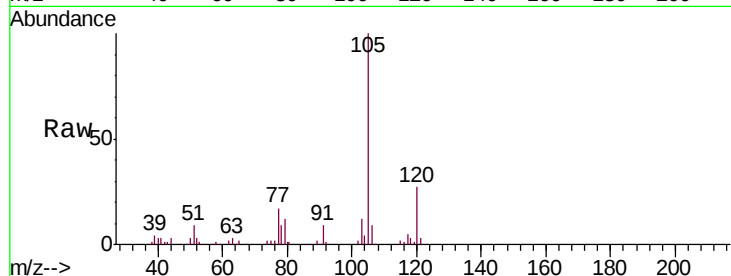
Tgt Ion:105 Resp: 51940

Ion Ratio Lower Upper

105 100

120 26.6 20.7 31.1

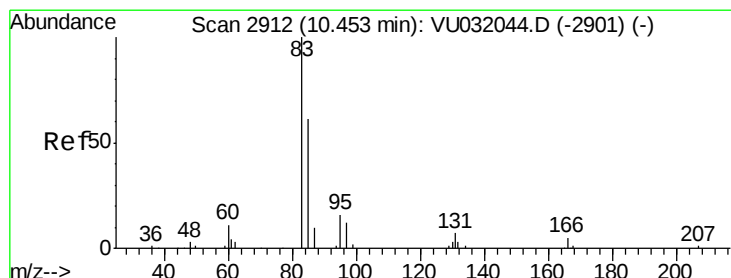
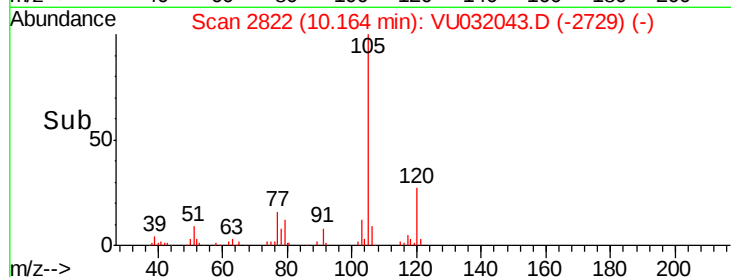
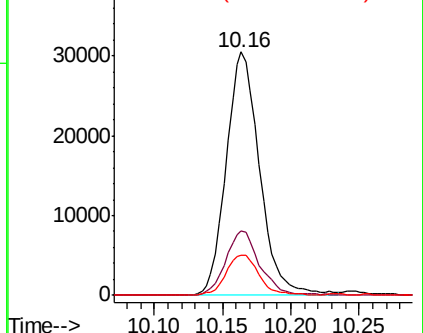
77 16.4 12.3 18.5



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: 0.936 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

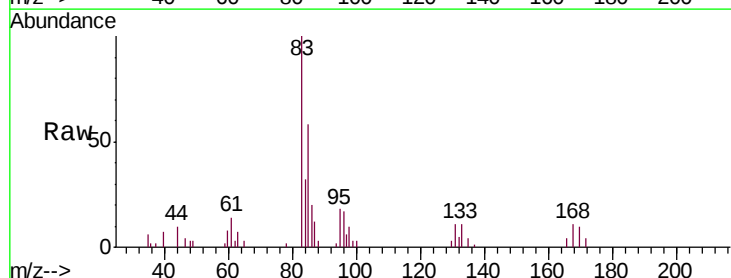
Tgt Ion: 83 Resp: 13522

Ion Ratio Lower Upper

83 100

85 58.1 44.3 82.3

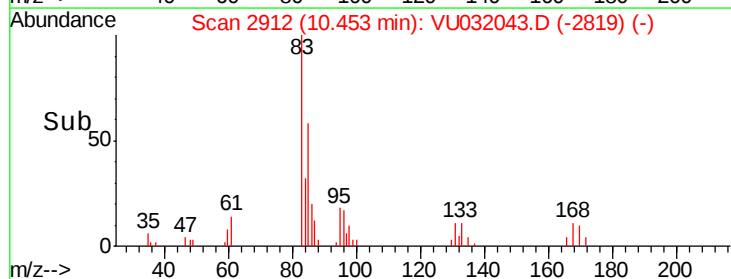
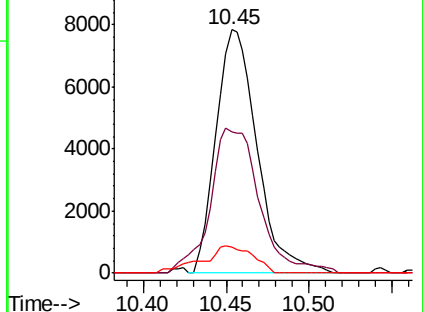
131 10.7 7.4 11.2

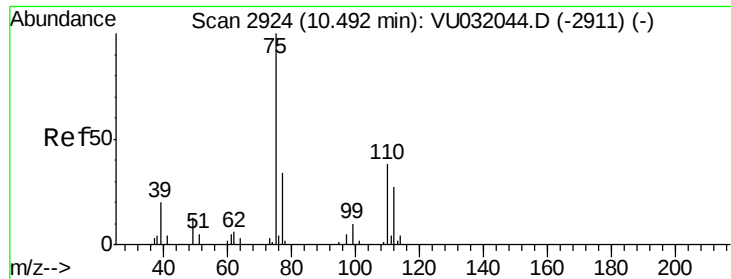


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

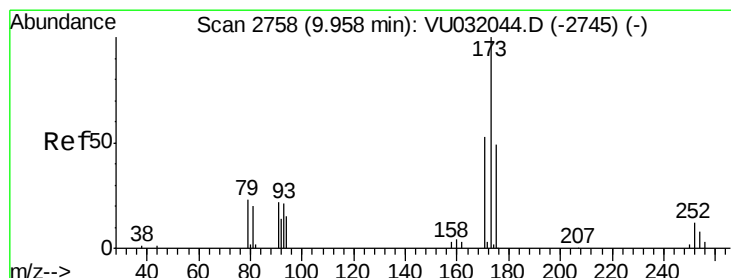
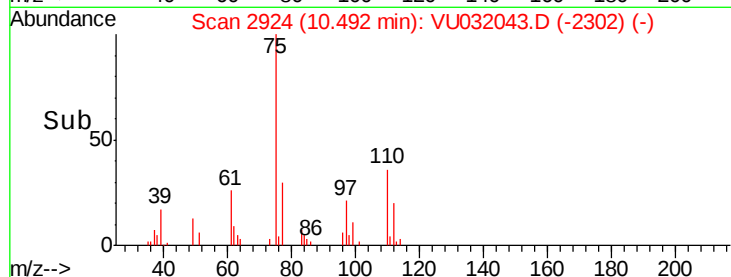
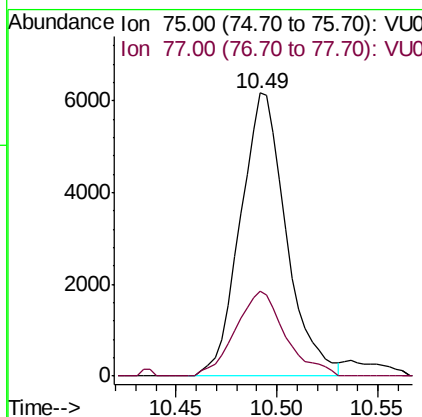
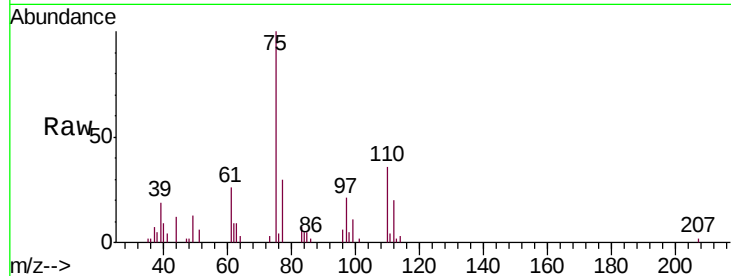




#59
 1,2,3-Trichloropropane
 Concen: 0.967 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

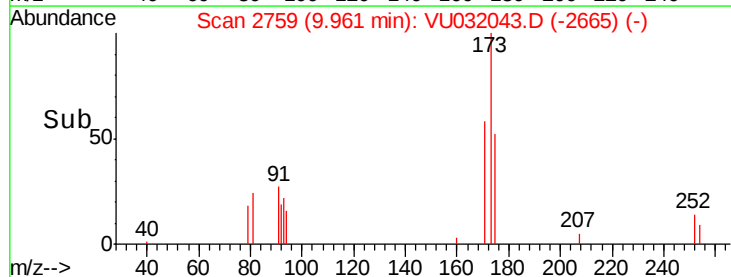
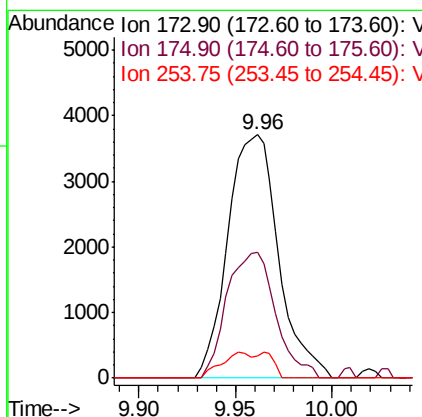
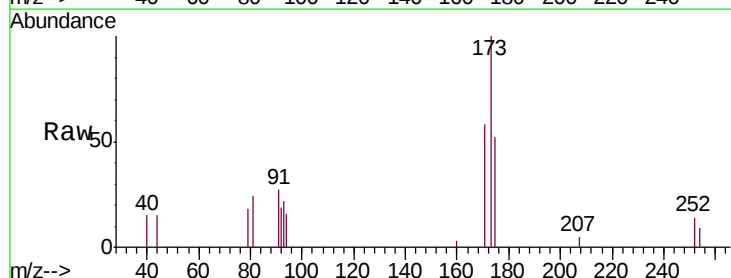
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00107

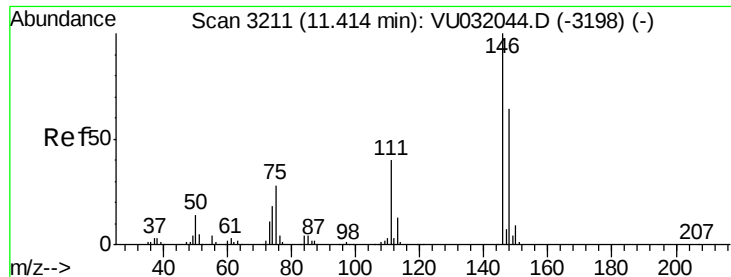
Tgt Ion: 75 Resp: 9829
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2



#61
 Bromoform
 Concen: 1.040 ug/L
 RT: 9.96 min Scan# 2759
 Delta R.T. 0.00 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

Tgt Ion: 173 Resp: 6763
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.0 57.0
 254 6.2 7.8 11.6#





#62

1,3-Dichlorobenzene

Concen: 0.914 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00107

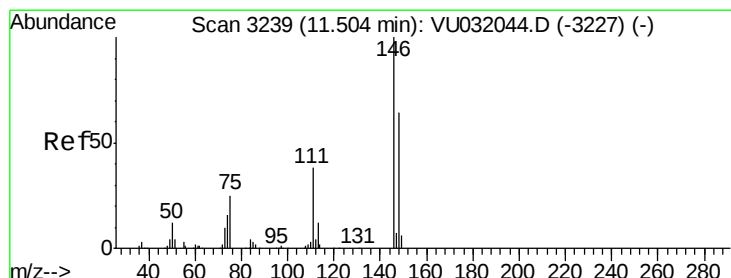
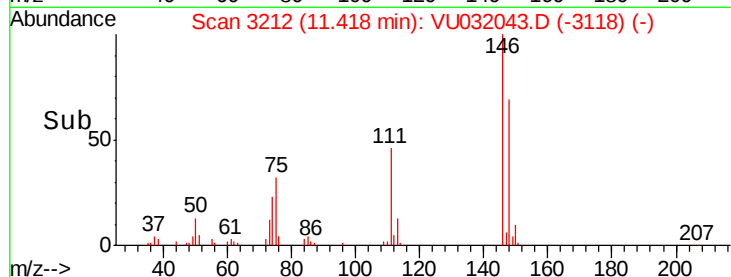
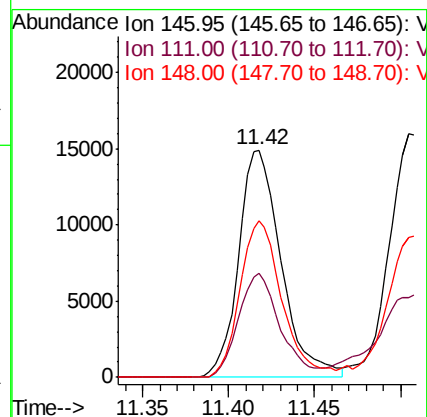
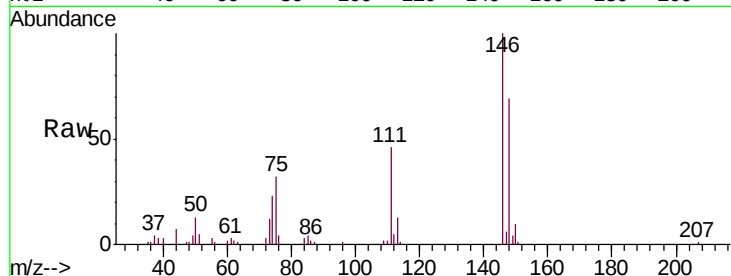
Tgt Ion:146 Resp: 25680

Ion Ratio Lower Upper

146 100

111 45.9 27.7 51.5

148 68.7 44.9 83.3



#63

1,4-Dichlorobenzene

Concen: 1.015 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

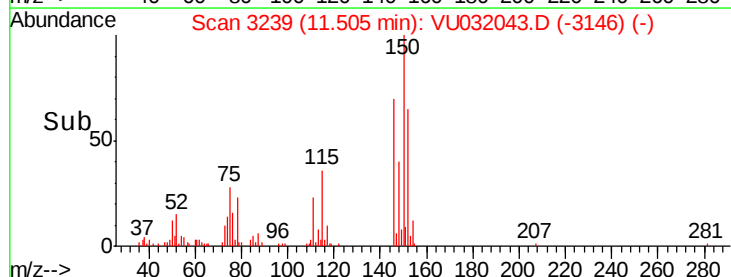
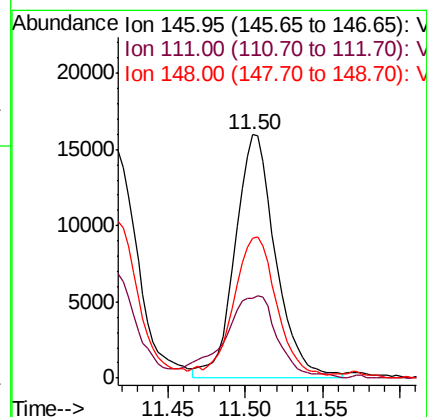
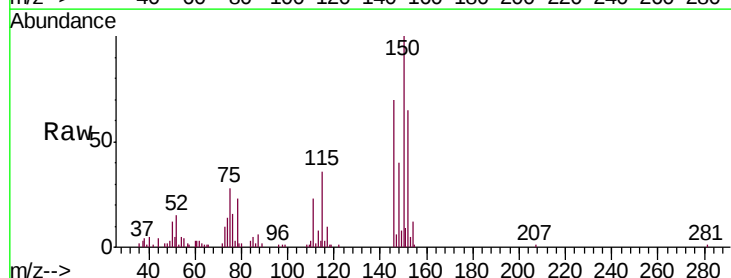
Tgt Ion:146 Resp: 29084

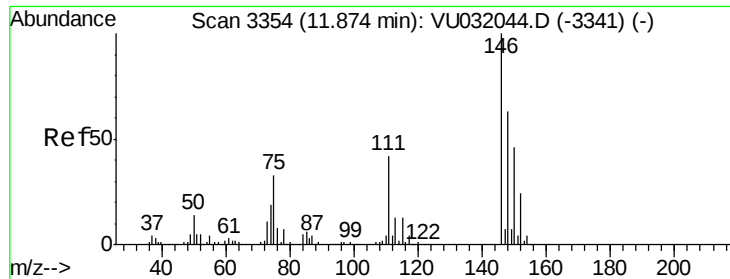
Ion Ratio Lower Upper

146 100

111 33.0 27.1 50.3

148 57.4 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 0.984 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00107

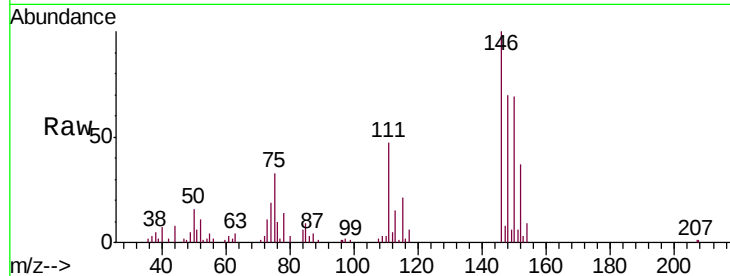
Tgt Ion:146 Resp: 27381

Ion Ratio Lower Upper

146 100

111 47.0 33.5 50.3

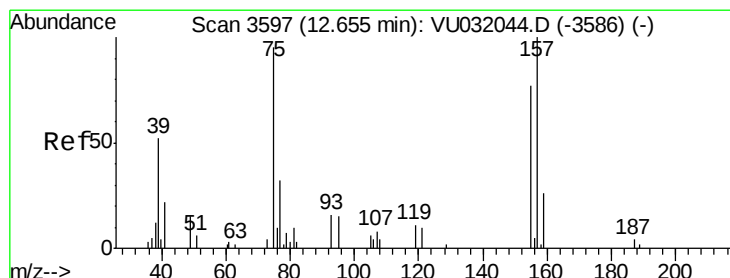
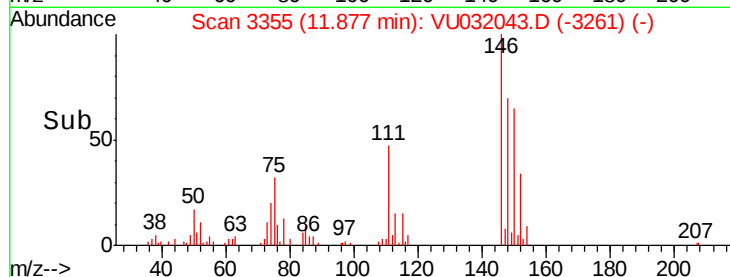
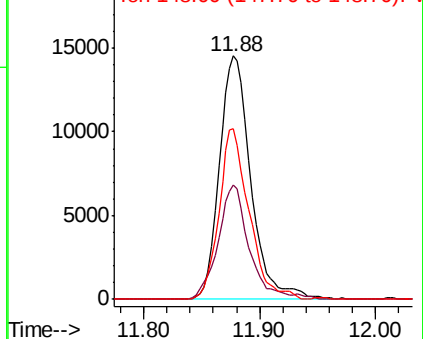
148 70.0 50.2 75.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.956 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

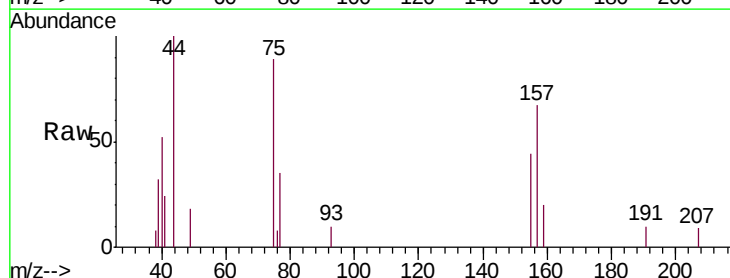
Tgt Ion: 75 Resp: 1853

Ion Ratio Lower Upper

75 100

155 49.3 65.0 97.6#

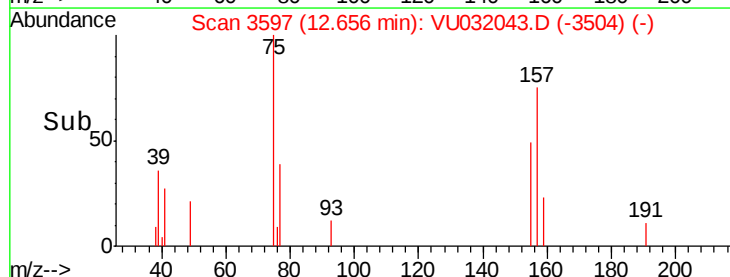
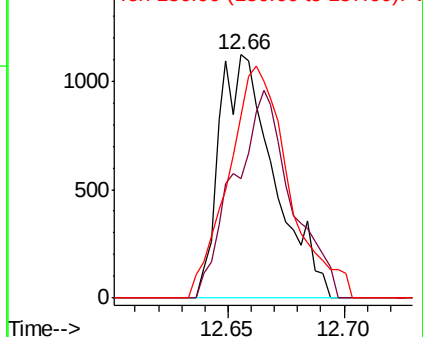
157 74.8 84.3 126.5#

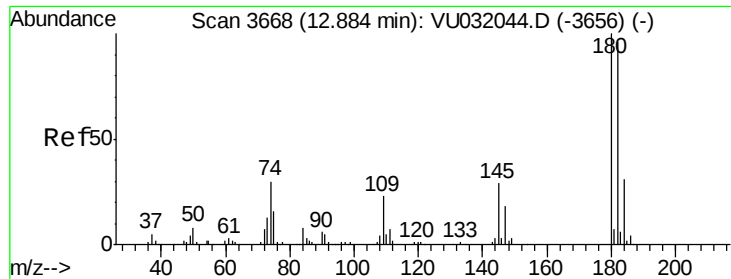


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

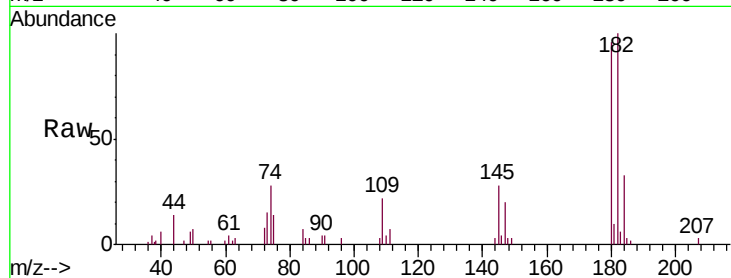




#67
 1,3,5-Trichlorobenzene
 Concen: 0.924 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00107

Tgt Ion:	180	Resp:	18782
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
184	31.3	24.5	36.7
145	29.6	23.2	34.8



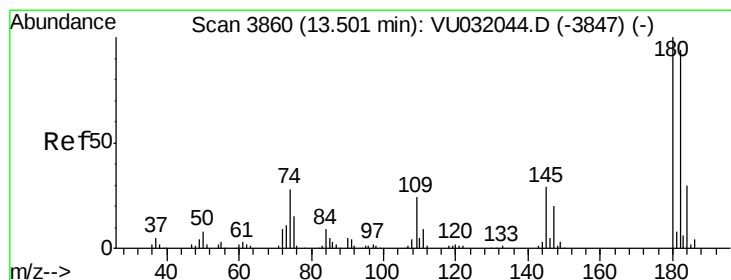
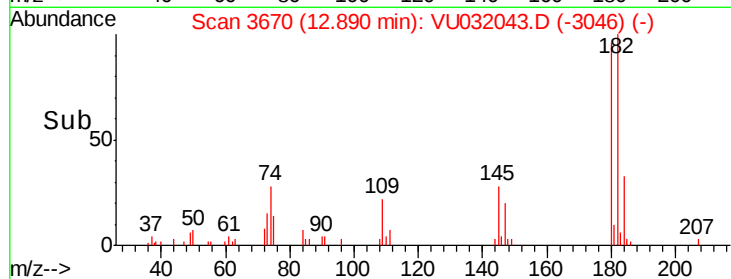
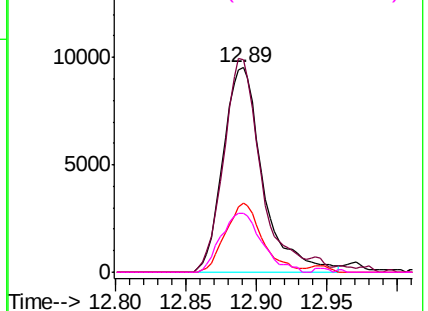
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

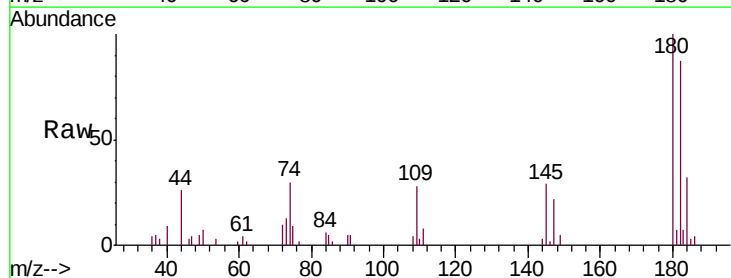
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.767 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU032043.D
 Acq: 16 May 2019 12:39

Tgt Ion:	180	Resp:	10710
Ion	Ratio	Lower	Upper
180	100		
182	97.1	78.4	117.6
145	33.6	23.5	35.3

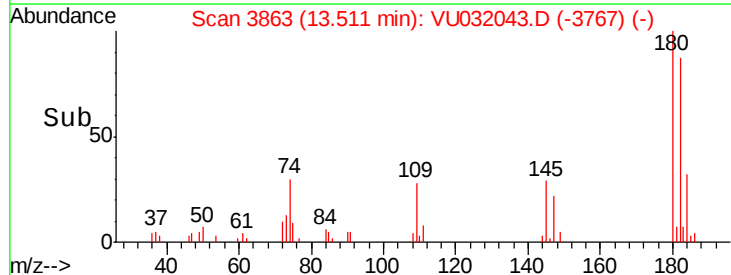
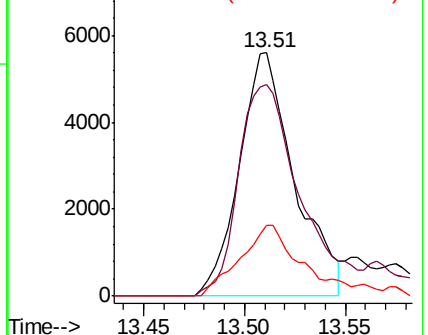


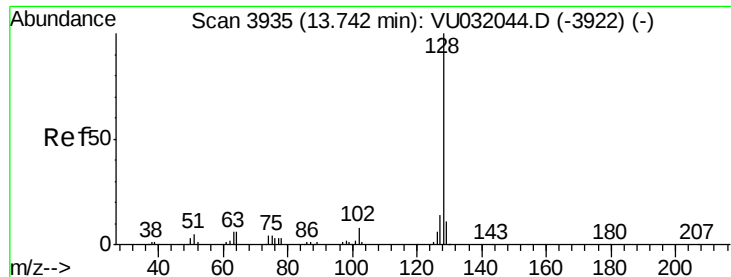
Abundance

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: 0.512 ug/L

RT: 13.76 min Scan# 3939

Delta R.T. 0.01 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00107

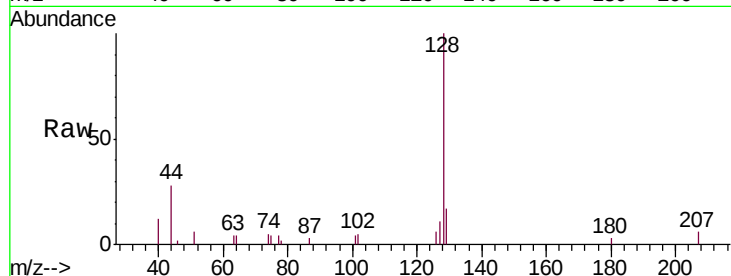
Tgt Ion:128 Resp: 12003

Ion Ratio Lower Upper

128 100

129 9.8 8.0 12.0

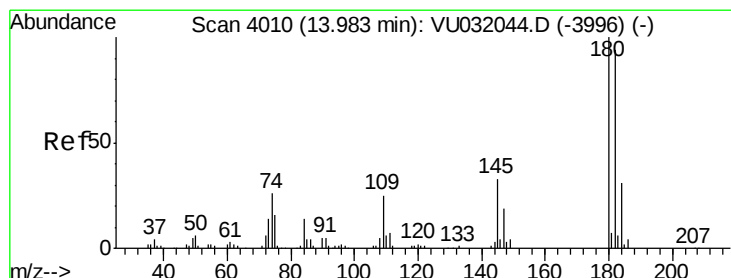
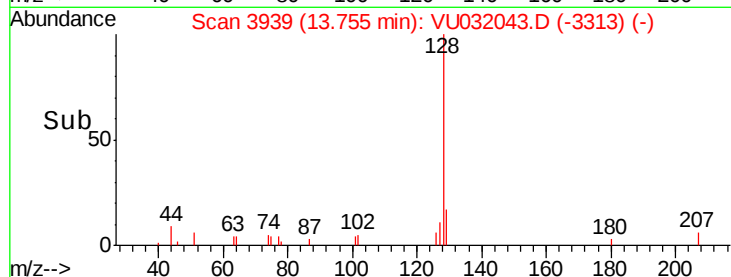
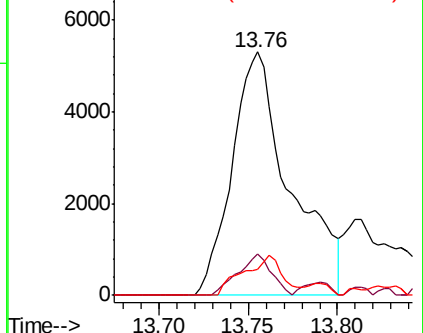
127 10.8 10.1 15.1



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: 0.861 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU032043.D

Acq: 16 May 2019 12:39

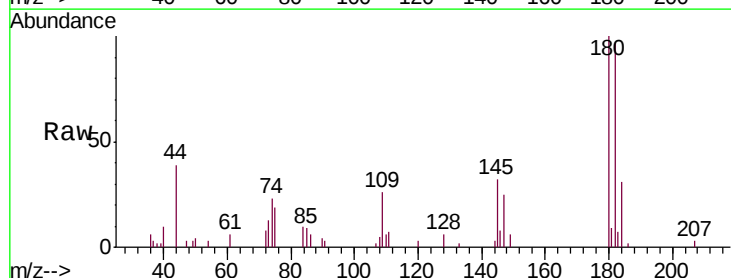
Tgt Ion:180 Resp: 12269

Ion Ratio Lower Upper

180 100

182 92.2 75.3 112.9

145 28.9 25.2 37.8



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

