

Data File : VU036043.D
Acq On : 09 Dec 2019 12:10
Operator : JC/MD
Sample : VSTD02003
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Quant Time: Dec 10 01:07:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 00:59:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	301158	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	312547	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	204910	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	503184	15.50	ug/L	0.00
7) Chloroethane-d5	1.93	69	525620	19.26	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	975607	20.13	ug/L	0.00
20) 2-Butanone-d5	4.69	46	985441	173.75	ug/L	0.00
24) Chloroform-d	5.11	84	855657	18.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	415906	17.17	ug/L	0.00
32) Benzene-d6	5.77	84	1712044	19.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	501010	17.58	ug/L	0.00
41) Toluene-d8	7.93	98	1678576	20.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	222154	19.35	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	948678	212.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	485314	20.35	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	741871	17.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	549176	18.133 ug/L	98
3) Chloromethane	1.54	50	510690	15.138 ug/L	100
5) Vinyl chloride	1.62	62	564363	16.531 ug/L	98
6) Bromomethane	1.87	94	452081	21.579 ug/L	99
8) Chloroethane	1.95	64	416191	18.785 ug/L	97
9) Trichlorofluoromethane	2.15	101	961642	22.157 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	544645	23.086 ug/L	99
12) 1,1-Dichloroethene	2.60	96	514047	23.320 ug/L	89
13) Acetone	2.68	43	846862	157.901 ug/L	98
14) Carbon disulfide	2.82	76	1530864	20.546 ug/L	98
15) Methyl Acetate	2.99	43	183462	19.792 ug/L	97
16) Methylene chloride	3.08	84	497621	15.251 ug/L	96
17) Methyl tert-butyl Ether	3.42	73	970891	20.007 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	428006	19.256 ug/L	99
19) 1,1-Dichloroethane	3.92	63	758926	17.613 ug/L	99
21) 2-Butanone	4.77	43	1115395	168.251 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	487848	20.572 ug/L	100
23) Bromochloromethane	5.02	128	232780	21.153 ug/L	97
25) Chloroform	5.13	83	824065	18.647 ug/L	99
27) 1,2-Dichloroethane	5.84	62	502122	18.041 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	714860	19.741 ug/L	98
30) Cyclohexane	5.43	56	679296	19.625 ug/L	100
31) Carbon tetrachloride	5.57	117	658074	20.346 ug/L	98
33) Benzene	5.82	78	1824563	19.606 ug/L	100
34) Trichloroethene	6.58	95	473075	19.893 ug/L	99
35) Methylcyclohexane	6.80	83	780382	22.293 ug/L	95
37) 1,2-Dichloropropane	6.83	63	446881	17.825 ug/L	99
38) Bromodichloromethane	7.14	83	589661	19.450 ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	696772	21.004 ug/L	97
40) 4-Methyl-2-pentanone	7.84	43	2540541	176.998 ug/L	97

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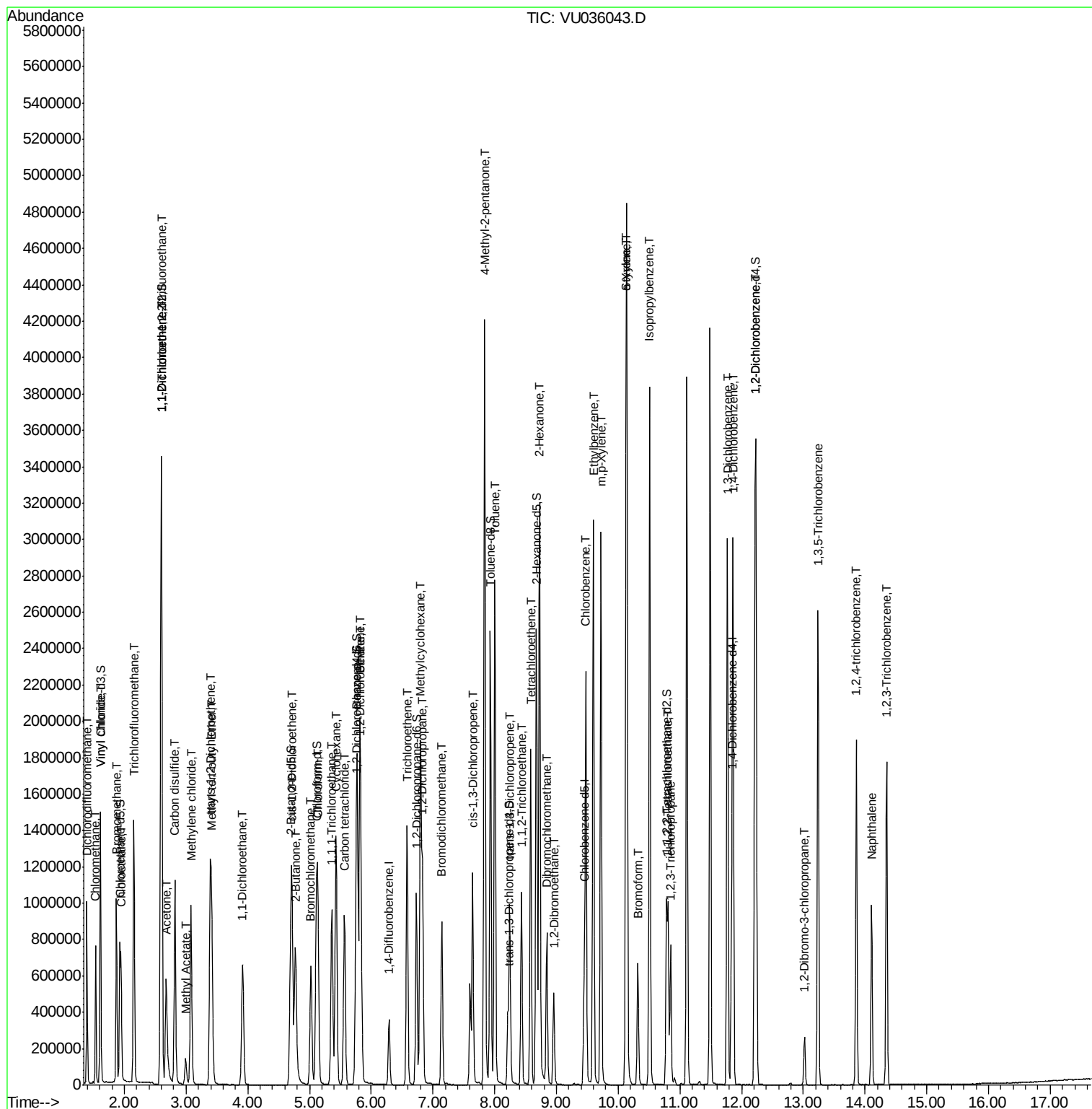
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	2039159	20.827	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	576094	20.256	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	343384	19.912	ug/L	97
47) Tetrachloroethene	8.58	164	440039	22.217	ug/L	98
48) 2-Hexanone	8.73	43	1902768	176.472	ug/L	96
49) Dibromochloromethane	8.84	129	449344	20.422	ug/L	98
50) 1,2-Dibromoethane	8.96	107	332276	19.435	ug/L	95
51) Chlorobenzene	9.48	112	1317102	20.910	ug/L	99
52) Ethylbenzene	9.60	91	2221739	21.917	ug/L	100
53) m,p-Xylene	9.72	106	900488	23.597	ug/L	99
54) o-Xylene	10.13	106	869634	24.665	ug/L	96
55) Styrene	10.14	104	1578706	26.687	ug/L	98
56) Isopropylbenzene	10.51	105	2500993	27.074	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	474476	20.699	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	337005	20.599	ug/L	99
61) Bromoform	10.32	173	316896	17.062	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	1323932	19.887	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	1304905	19.699	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	1208359	19.006	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	65738	13.498	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	875894	18.833	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	627048	25.310	ug/L	98
69) Naphthalene	14.11	128	789088	28.936	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	588605	24.487	ug/L	99

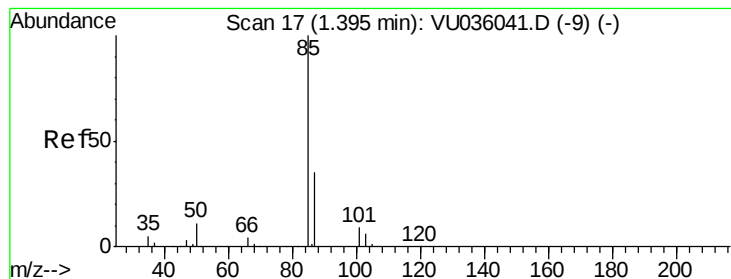
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.133 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

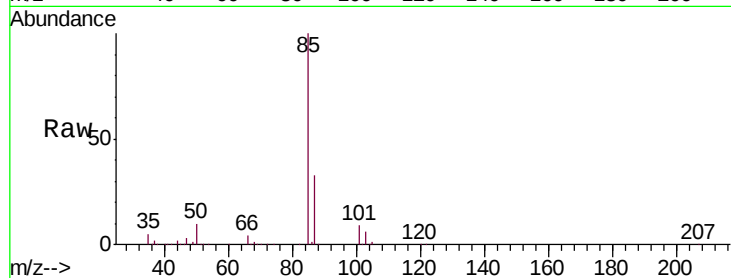
VSTD02003

Tgt Ion: 85 Resp: 549176

Ion Ratio Lower Upper

85 100

87 32.7 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036043.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036043.D (-9) (-)

1.39

600000

500000

400000

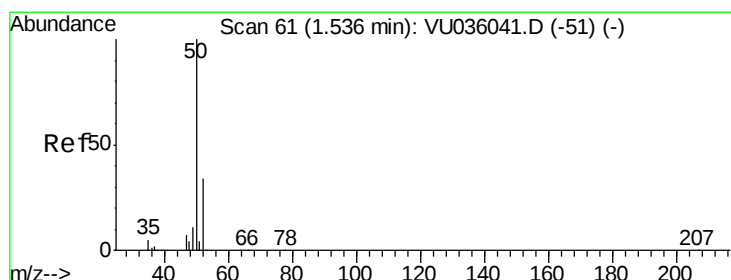
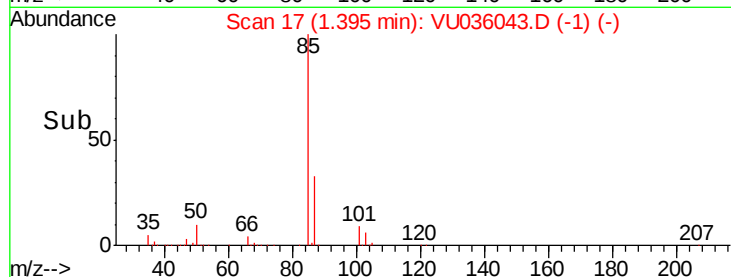
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 15.138 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036043.D

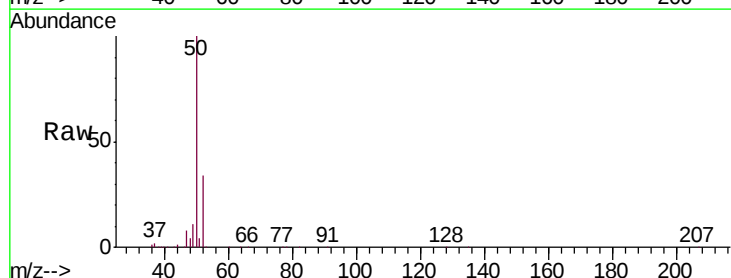
Acq: 09 Dec 2019 12:10

Tgt Ion: 50 Resp: 510690

Ion Ratio Lower Upper

50 100

52 33.5 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036043.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036043.D (-51) (-)

1.54

500000

400000

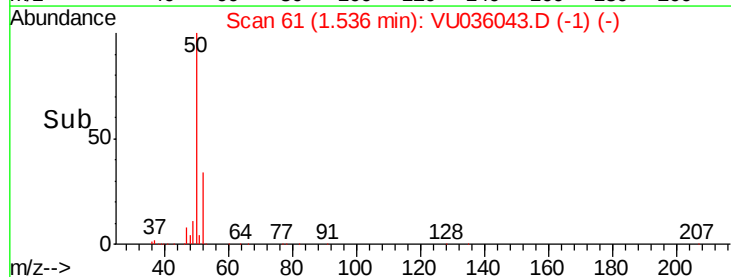
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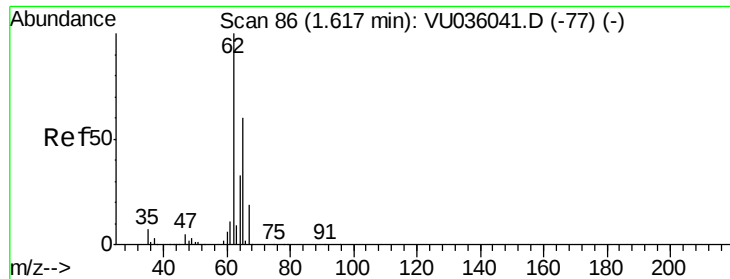
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 16.531 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

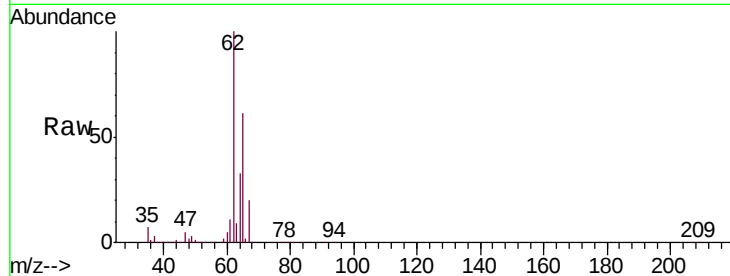
VSTD02003

Tgt Ion: 62 Resp: 564363

Ion Ratio Lower Upper

62 100

64 33.5 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU036043.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036043.D (-77) (-)

1.62

500000

400000

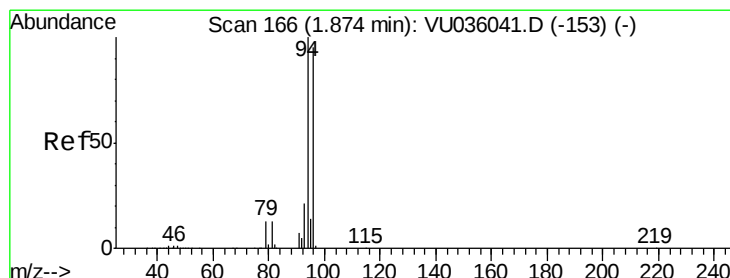
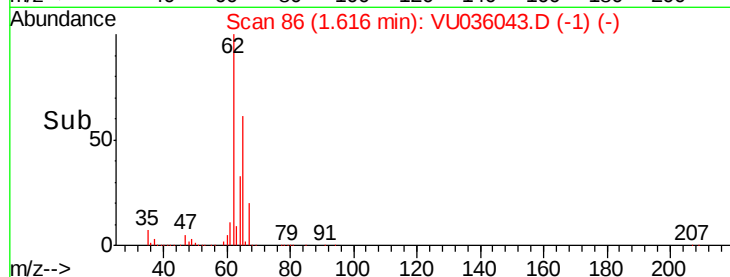
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 21.579 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036043.D

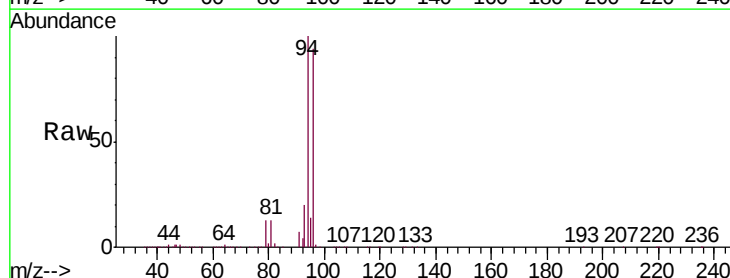
Acq: 09 Dec 2019 12:10

Tgt Ion: 94 Resp: 452081

Ion Ratio Lower Upper

94 100

96 94.3 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU036043.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU036043.D (-153) (-)

1.87

400000

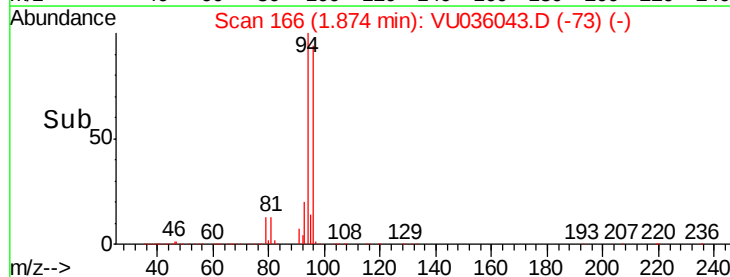
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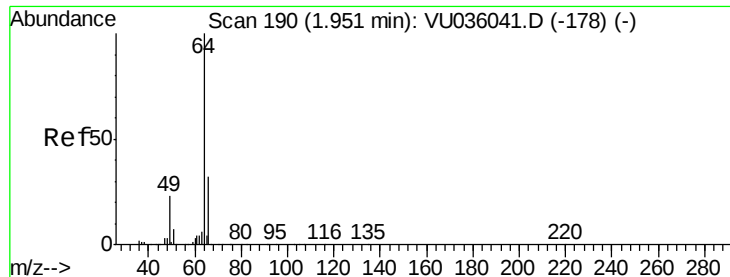
200000

100000

0

Time-->





#8

Chloroethane

Concen: 18.785 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

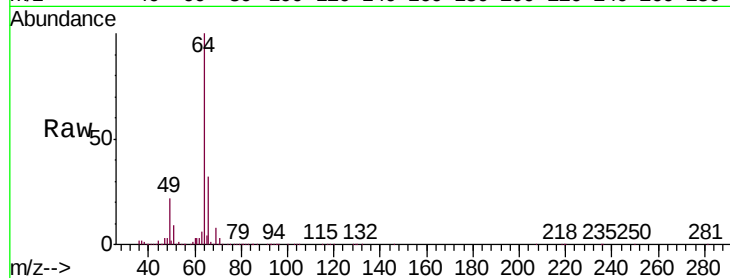
VSTD02003

Tgt Ion: 64 Resp: 416191

Ion Ratio Lower Upper

64 100

66 32.3 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU036041.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU036041.D (-178) (-)

1.95

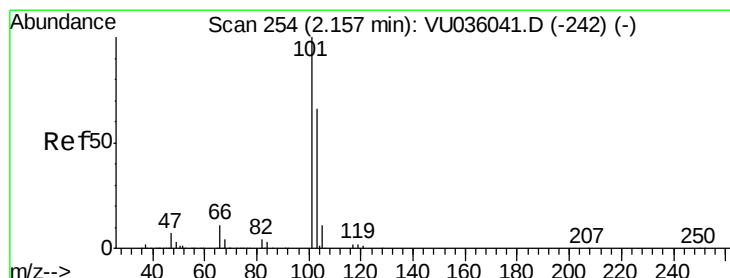
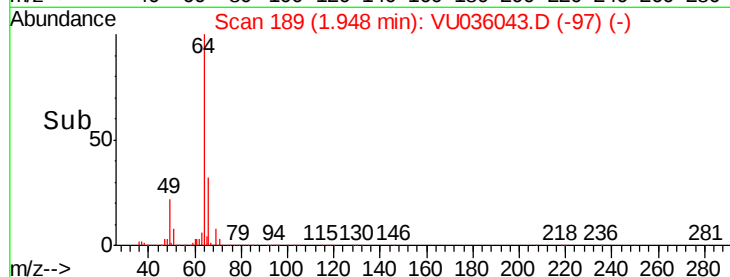
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 22.157 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU036043.D

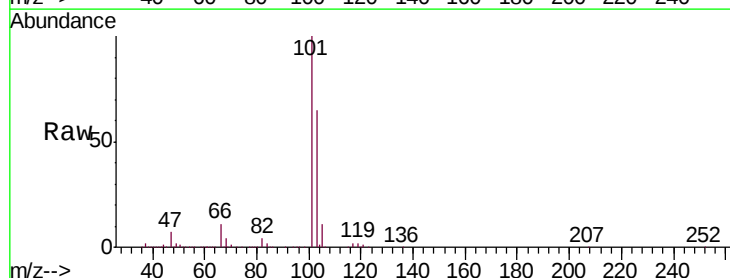
Acq: 09 Dec 2019 12:10

Tgt Ion: 101 Resp: 961642

Ion Ratio Lower Upper

101 100

103 65.2 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VU036041.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU036041.D (-242) (-)

2.15

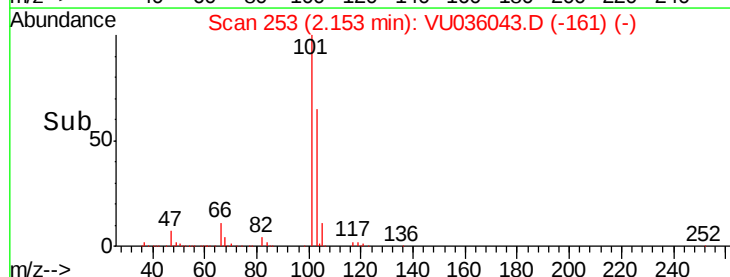
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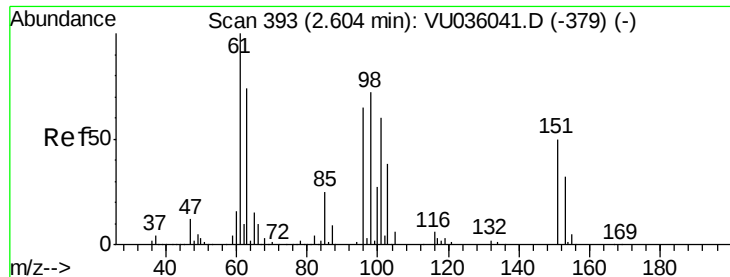
400000

200000

0

Time-->





#10

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

Concen: 23.086 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

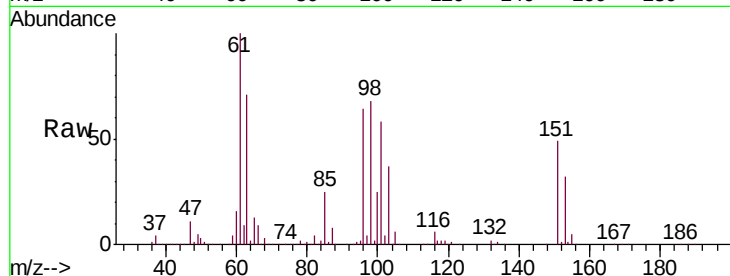
Tgt Ion: 101 Resp: 544645

Ion Ratio Lower Upper

101 100

85 42.0 33.1 49.7

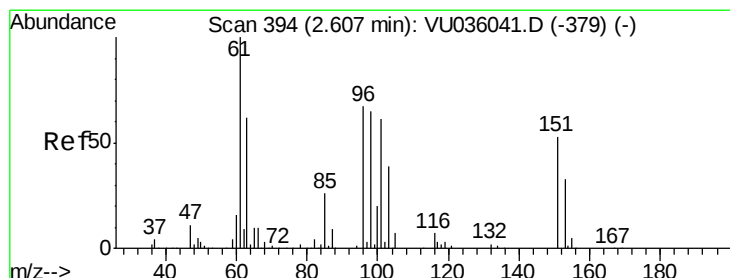
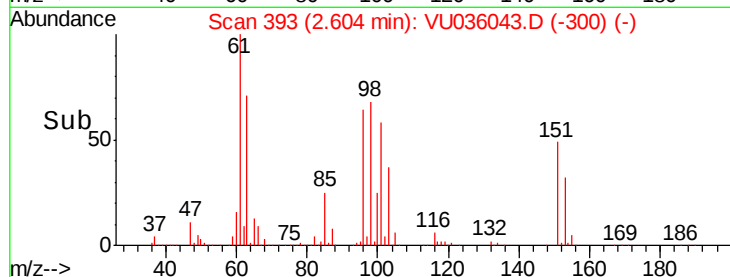
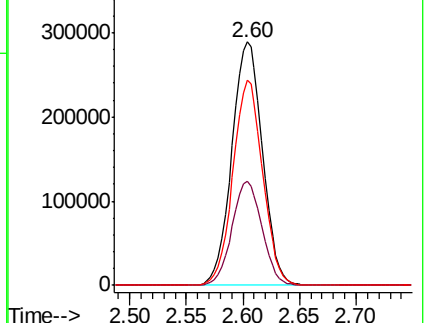
151 81.8 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.320 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

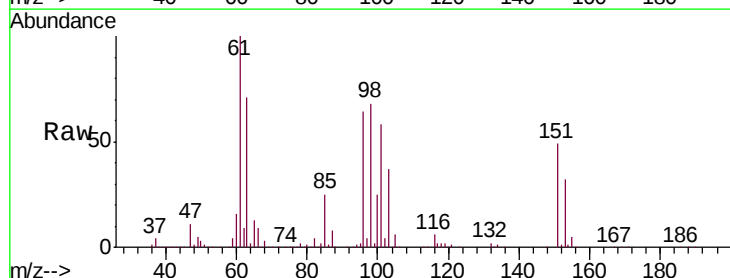
Tgt Ion: 96 Resp: 514047

Ion Ratio Lower Upper

96 100

61 156.3 104.3 193.7

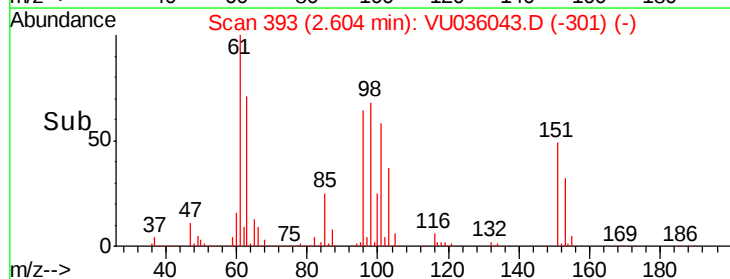
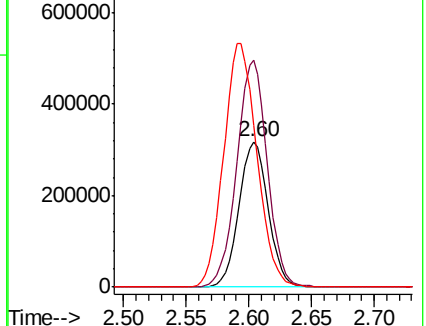
63 111.4 65.6 121.8

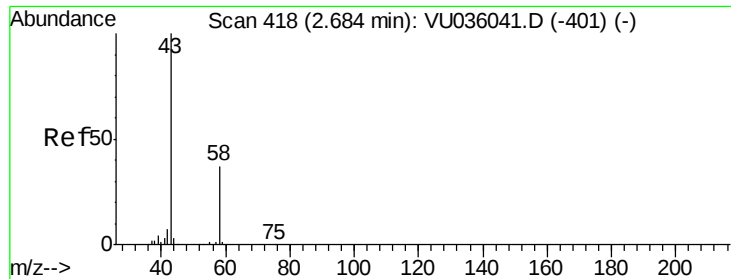


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

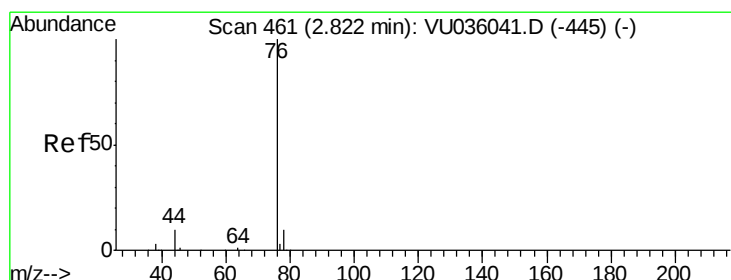
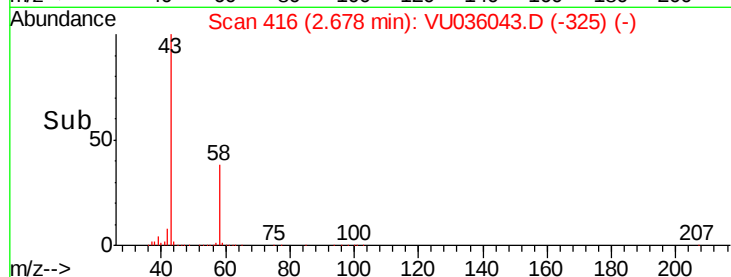
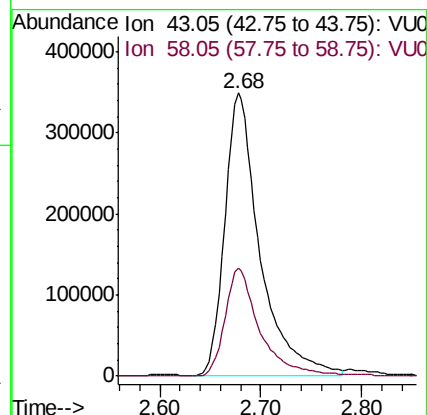
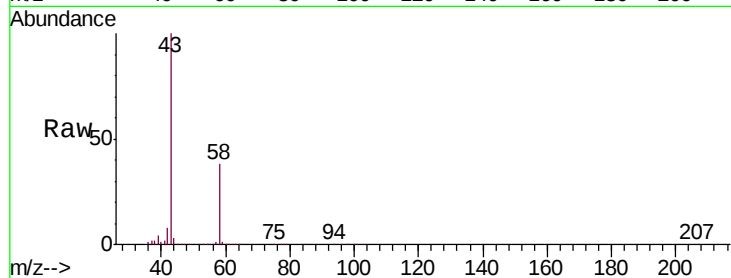




#13
Acetone
Concen: 157.901 ug/L
RT: 2.68 min Scan# 416
Delta R.T. -0.01 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

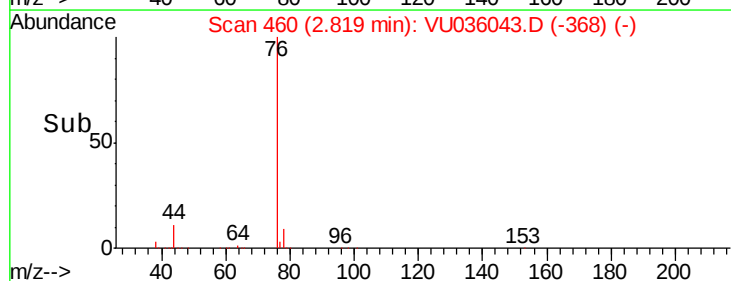
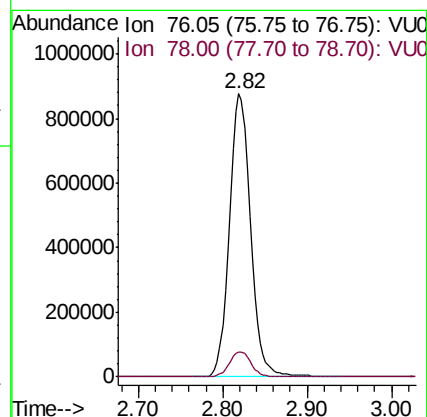
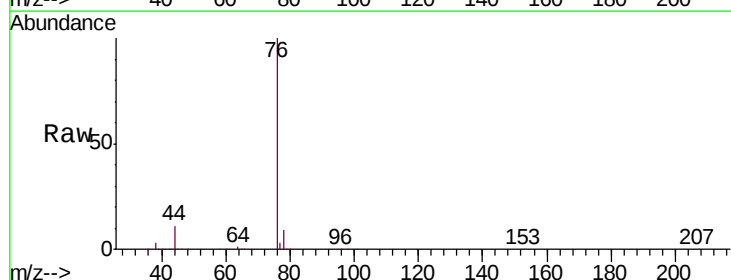
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

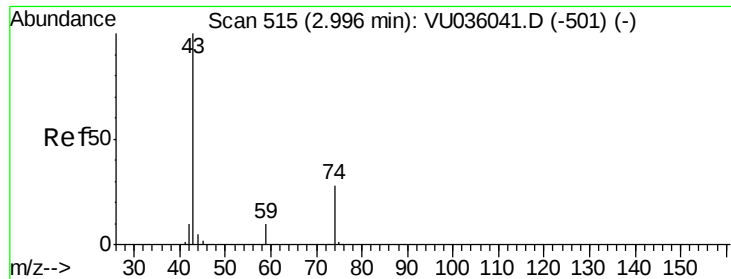
Tgt Ion: 43 Resp: 846862
Ion Ratio Lower Upper
43 100
58 38.0 0.0 74.2



#14
Carbon disulfide
Concen: 20.546 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

Tgt Ion: 76 Resp: 1530864
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5





#15

Methyl Acetate

Concen: 19.792 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

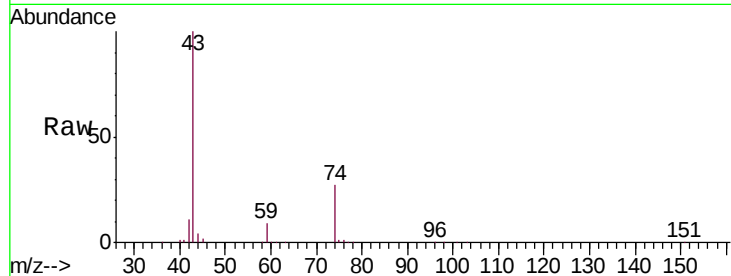
VSTD02003

Tgt Ion: 43 Resp: 183462

Ion Ratio Lower Upper

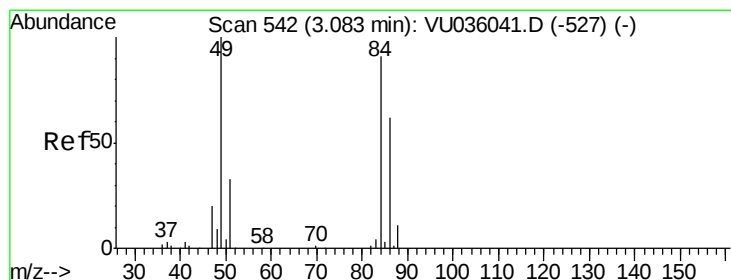
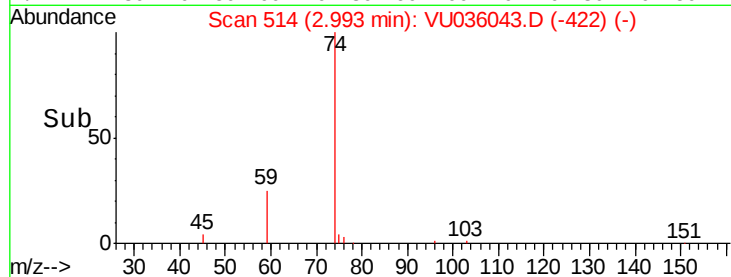
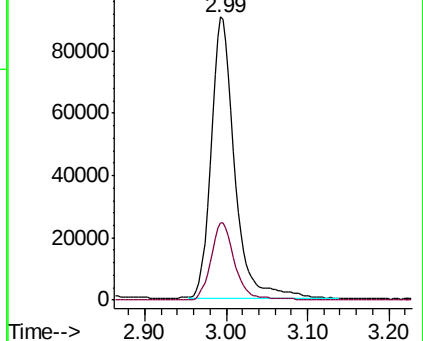
43 100

74 27.5 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VU036043.D (-422) (-)

Ion 74.05 (73.75 to 74.75): VU036043.D (-422) (-)



#16

Methylene chloride

Concen: 15.251 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

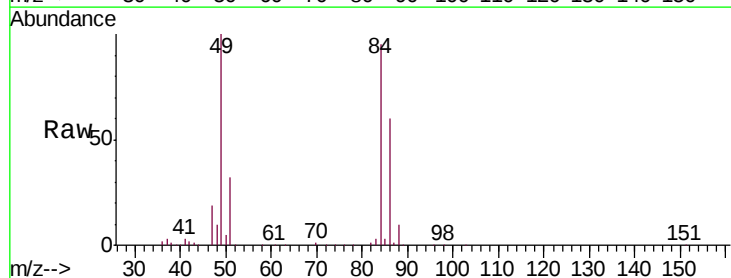
Tgt Ion: 84 Resp: 497621

Ion Ratio Lower Upper

84 100

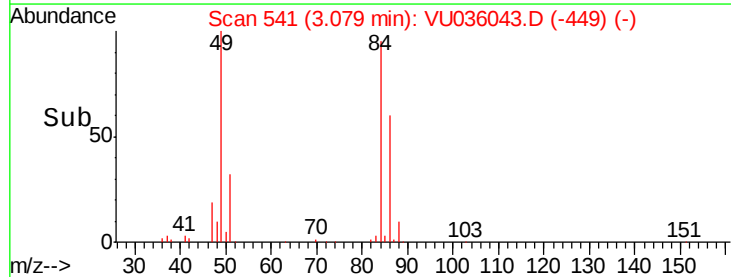
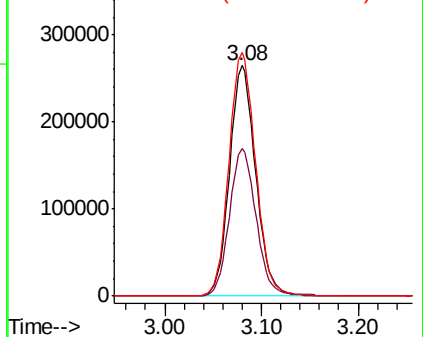
86 63.8 47.5 88.3

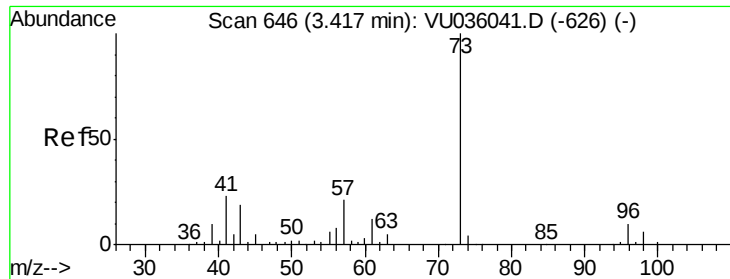
49 105.7 76.9 142.9



Abundance Ion 84.05 (83.75 to 84.75): VU036043.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VU036043.D (-449) (-)

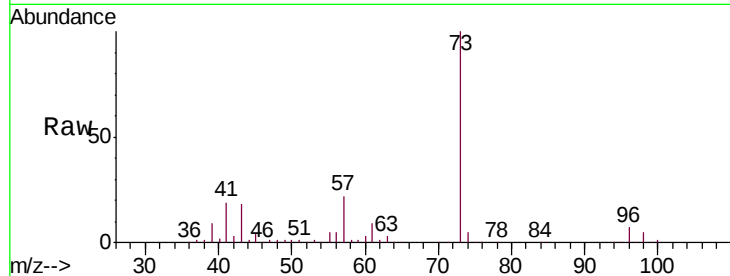




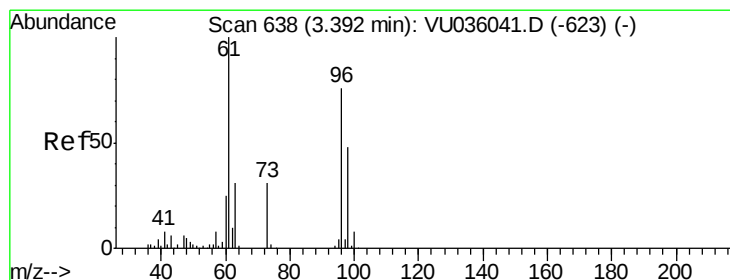
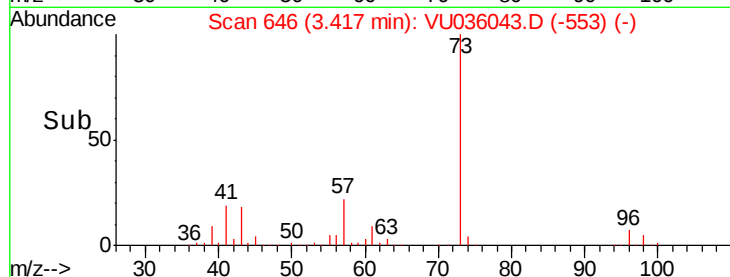
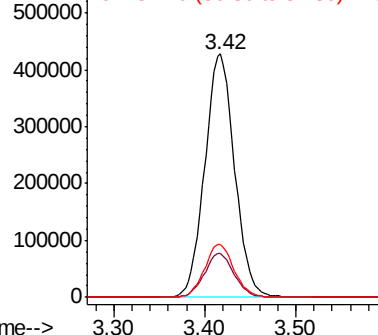
#17
Methyl tert-butyl Ether
Concen: 20.007 ug/L
RT: 3.42 min Scan# 646
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion: 73 Resp: 970891
Ion Ratio Lower Upper
73 100
43 17.8 15.6 23.4
57 21.6 17.4 26.2

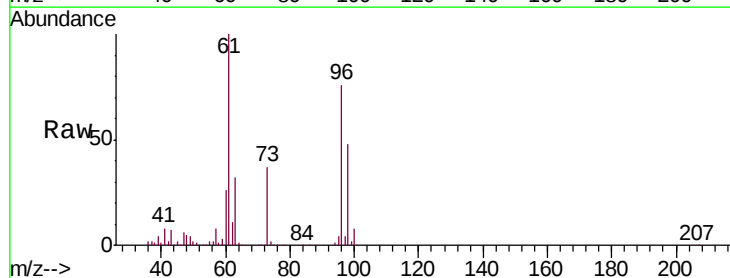


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

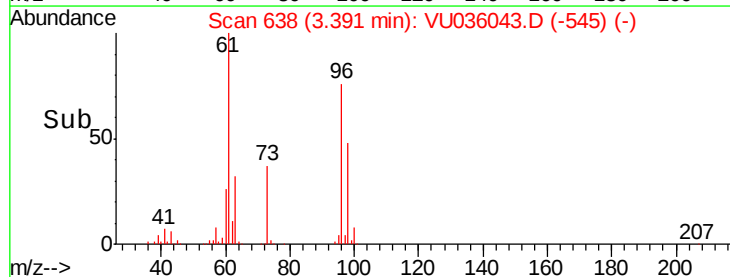
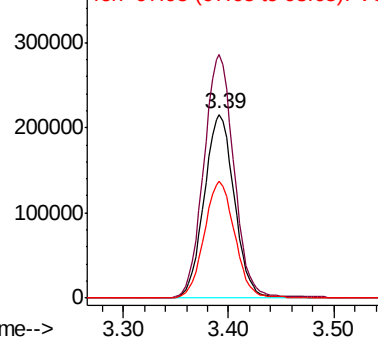


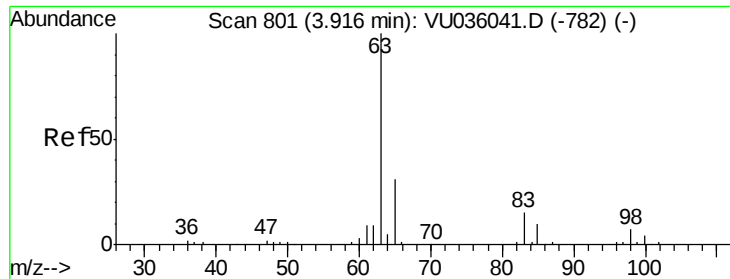
#18
trans-1,2-Dichloroethene
Concen: 19.256 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

Tgt Ion: 96 Resp: 428006
Ion Ratio Lower Upper
96 100
61 132.4 92.0 170.8
98 63.4 44.6 82.8



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

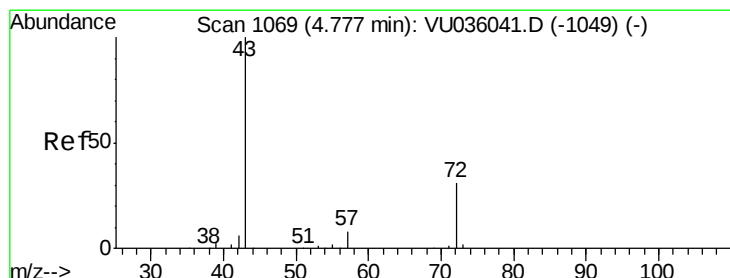
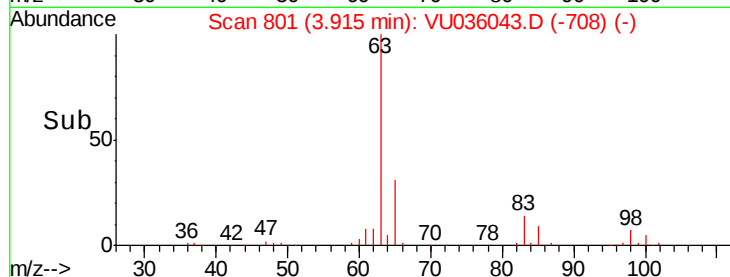
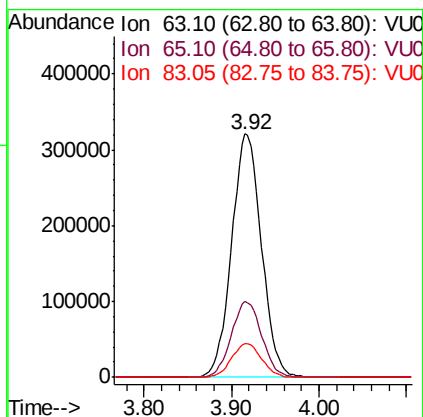
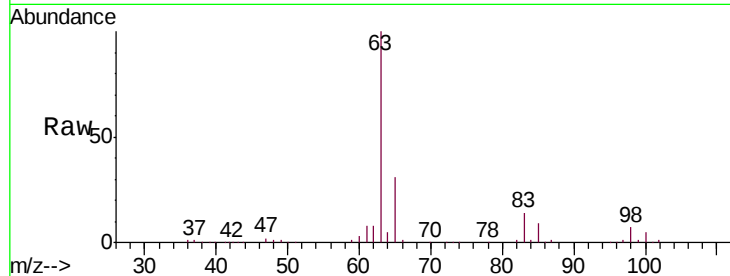




#19
 1,1-Dichloroethane
 Concen: 17.613 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

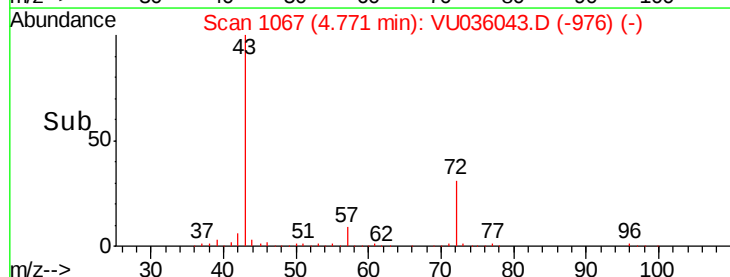
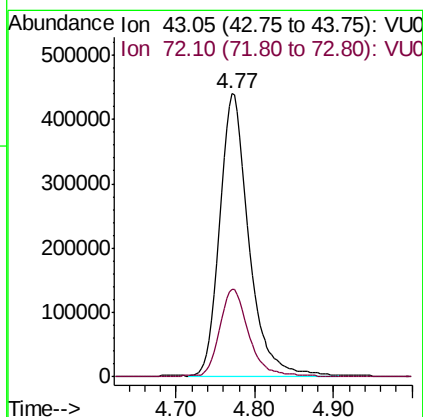
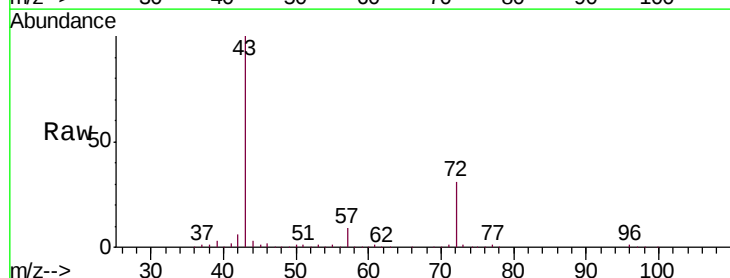
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

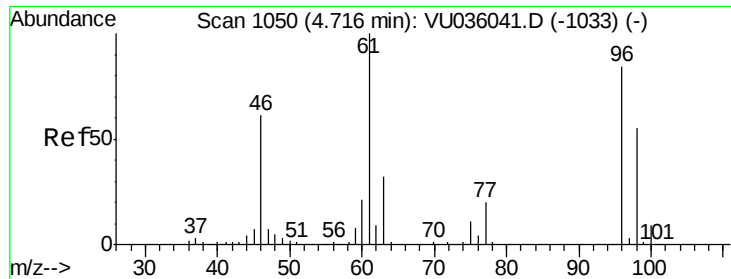
Tgt Ion: 63 Resp: 758926
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.8 40.4
 83 14.1 10.1 18.9



#21
 2-Butanone
 Concen: 168.251 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Tgt Ion: 43 Resp: 1115395
 Ion Ratio Lower Upper
 43 100
 72 30.9 15.0 45.0





#22

cis-1,2-Dichloroethene

Concen: 20.572 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

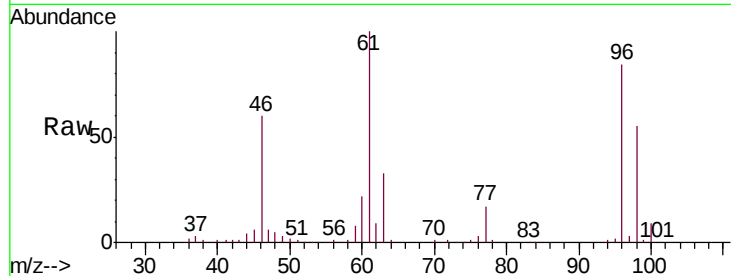
Tgt Ion: 96 Resp: 487848

Ion Ratio Lower Upper

96 100

61 118.7 83.0 154.2

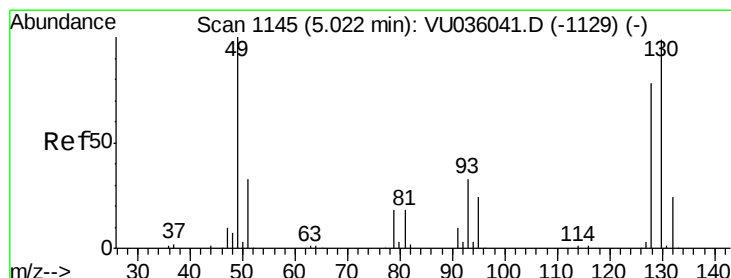
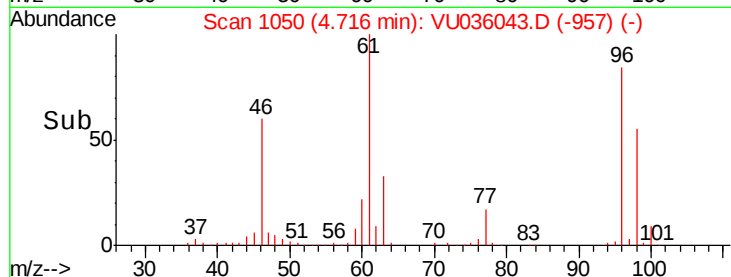
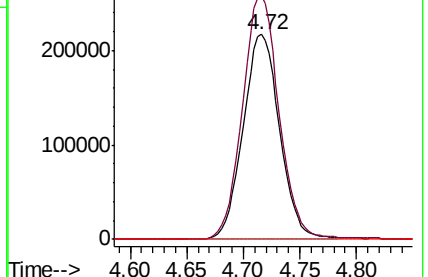
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036043.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036043.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036043.D (-957) (-)



#23

Bromochloromethane

Concen: 21.153 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Tgt Ion: 128 Resp: 232780

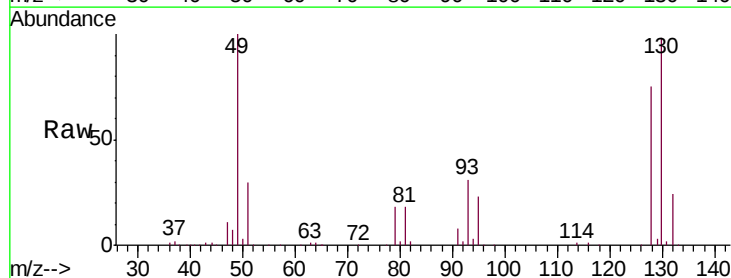
Ion Ratio Lower Upper

128 100

49 133.6 90.2 167.6

130 130.8 89.0 165.4

51 40.6 33.8 50.6

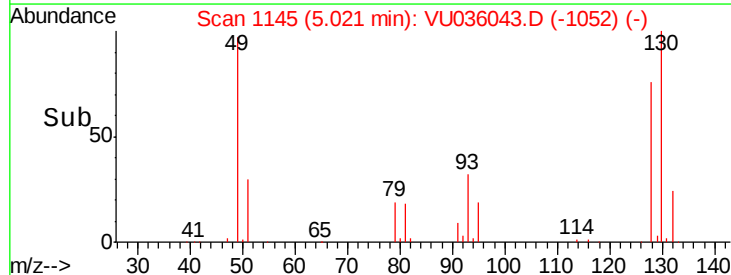
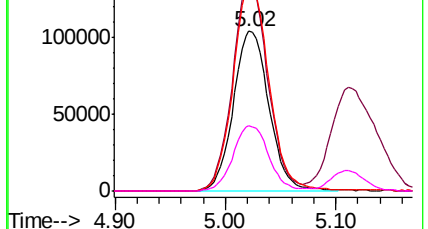


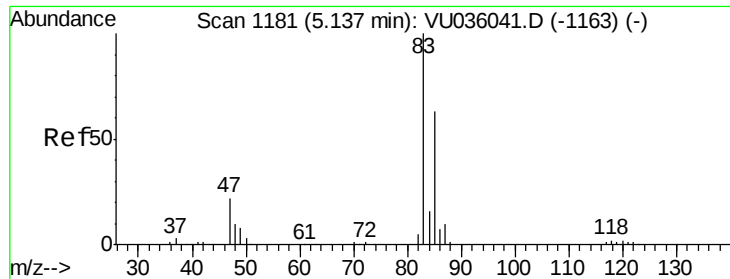
Abundance Ion 127.90 (127.60 to 128.60): VU036043.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU036043.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU036043.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU036043.D (-1052) (-)

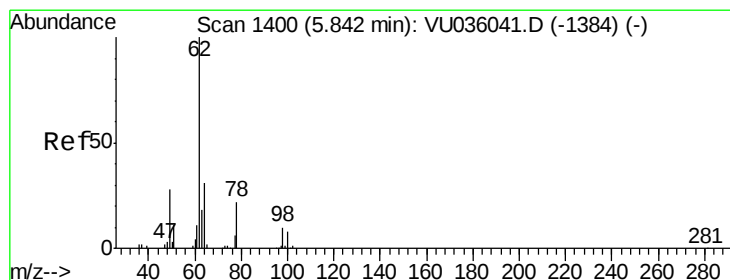
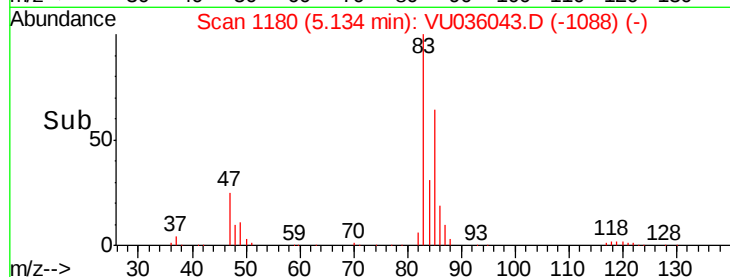
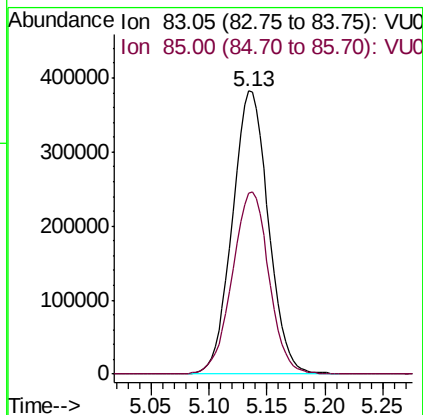
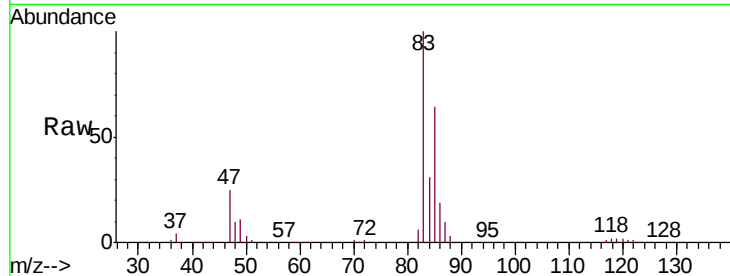




#25
Chloroform
Concen: 18.647 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

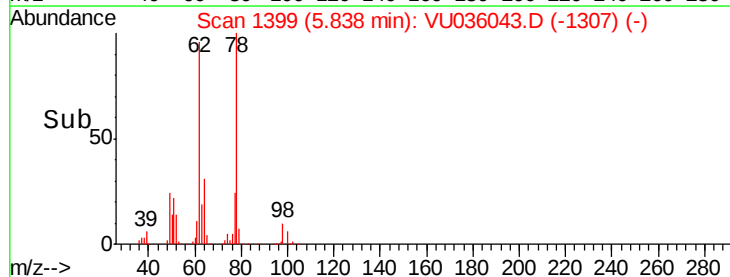
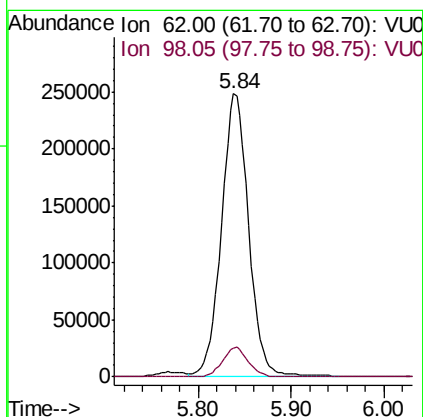
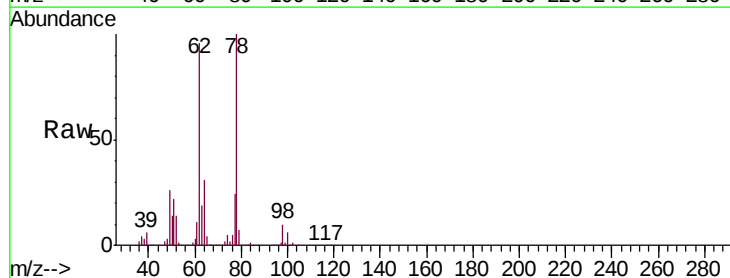
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

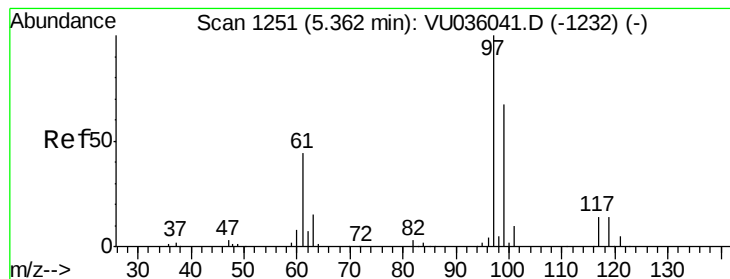
Tgt Ion: 83 Resp: 824065
Ion Ratio Lower Upper
83 100
85 63.9 43.9 81.5



#27
1,2-Dichloroethane
Concen: 18.041 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

Tgt Ion: 62 Resp: 502122
Ion Ratio Lower Upper
62 100
98 10.3 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 19.741 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

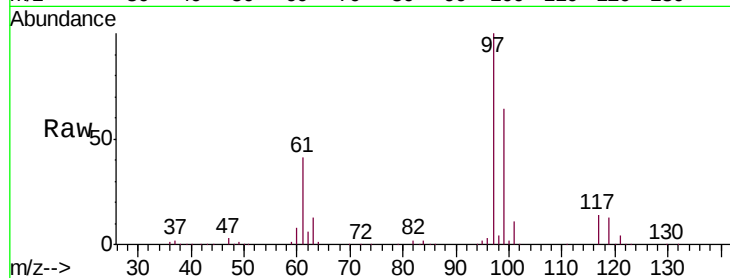
Tgt Ion: 97 Resp: 714860

Ion Ratio Lower Upper

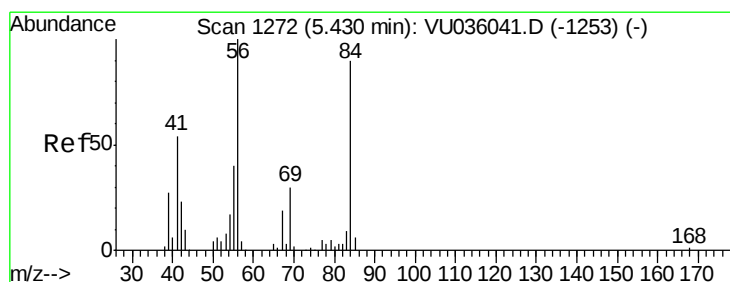
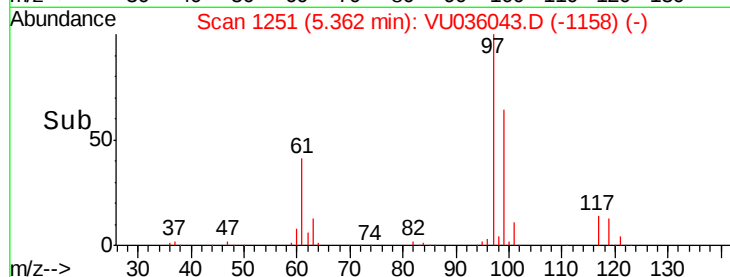
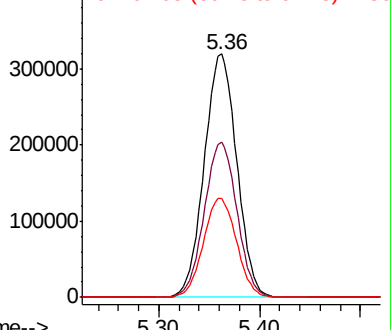
97 100

99 64.0 52.2 78.2

61 41.3 34.7 52.1



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: 19.625 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

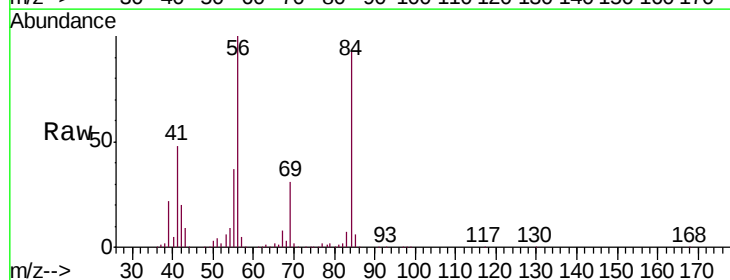
Tgt Ion: 56 Resp: 679296

Ion Ratio Lower Upper

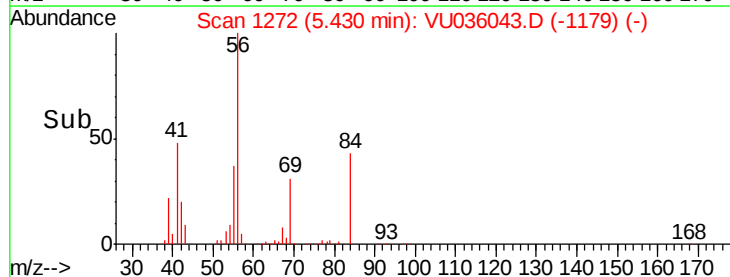
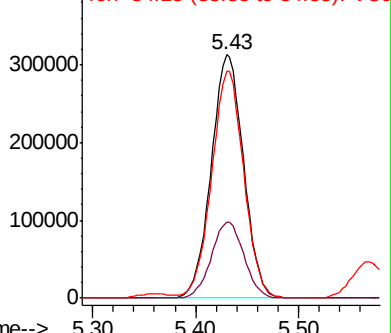
56 100

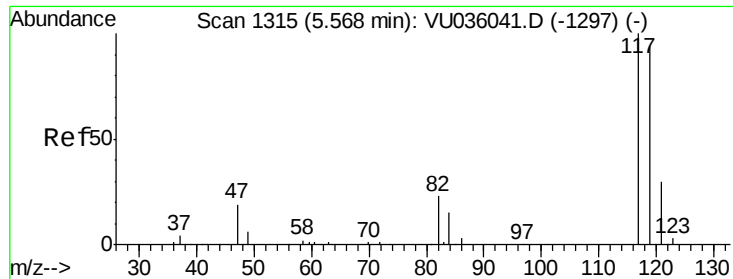
69 31.7 25.4 38.0

84 92.8 74.5 111.7



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: 20.346 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

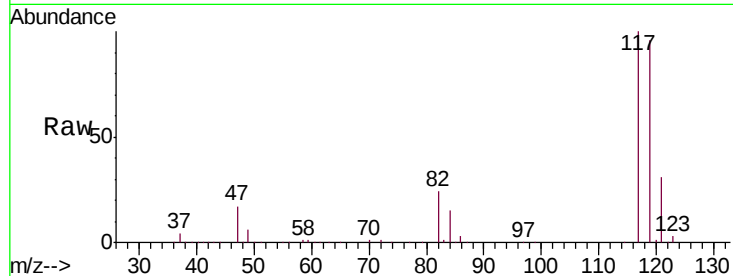
VSTD02003

Tgt Ion:117 Resp: 658074

Ion Ratio Lower Upper

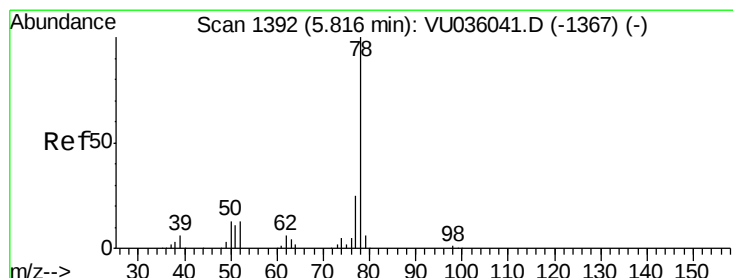
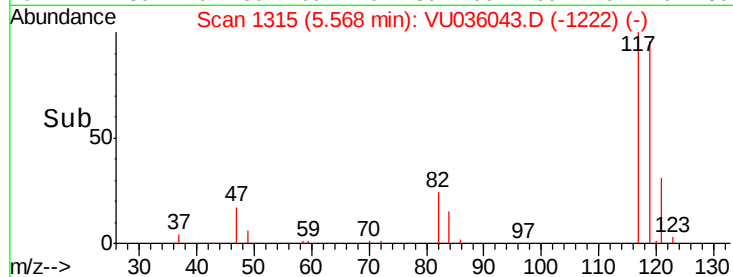
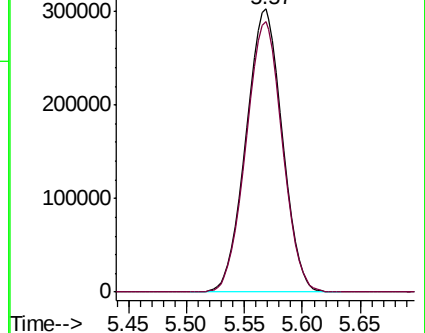
117 100

119 96.0 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 19.606 ug/L

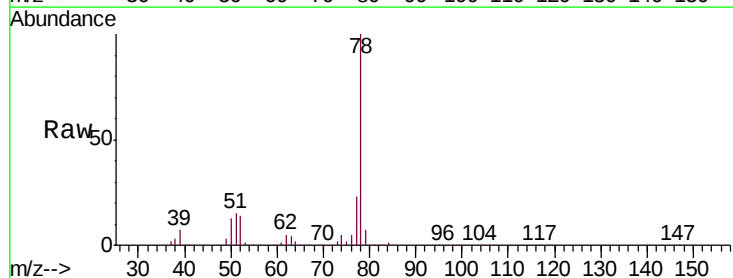
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

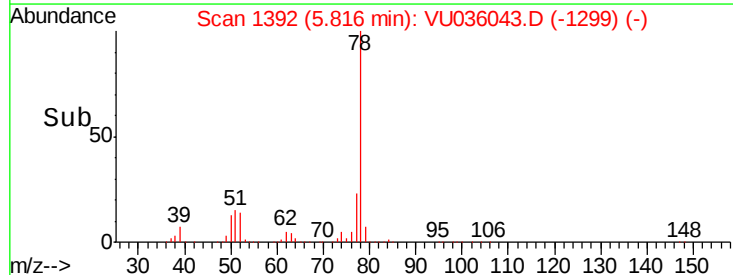
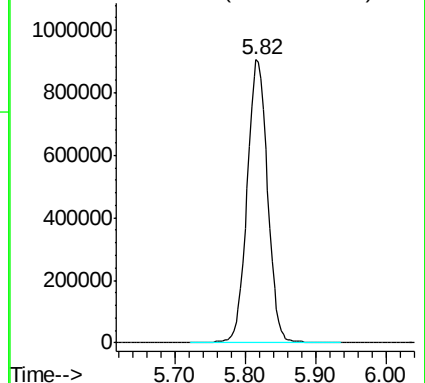
Lab File: VU036043.D

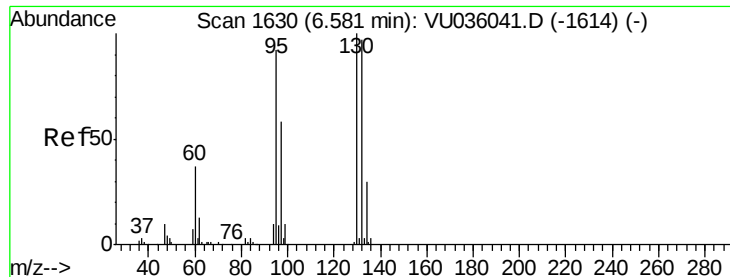
Acq: 09 Dec 2019 12:10

Tgt Ion: 78 Resp: 1824563



Abundance Ion 78.10 (77.80 to 78.80): VU0

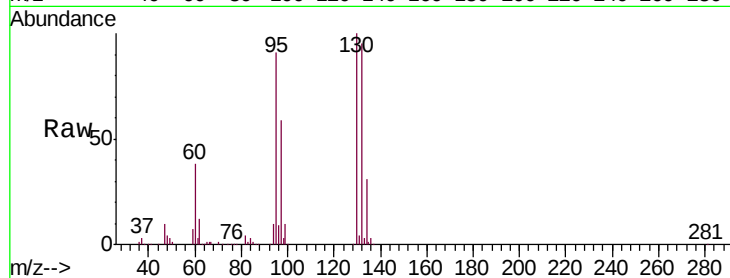




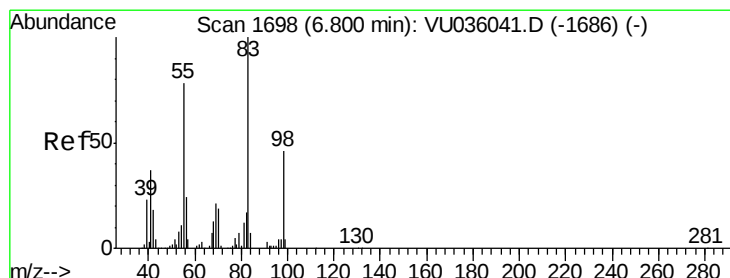
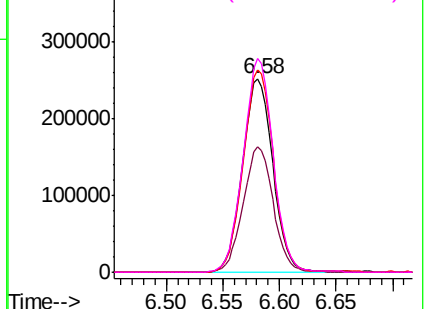
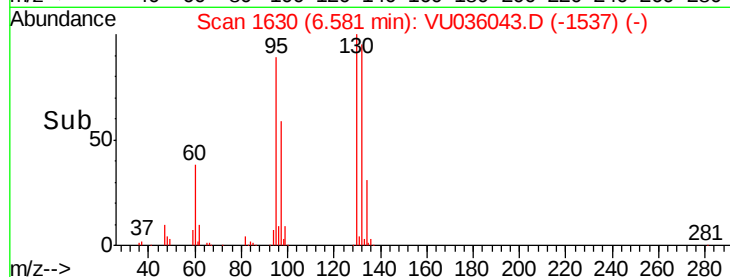
#34
 Trichloroethene
 Concen: 19.893 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion: 95 Resp: 473075
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.4 82.4
 132 104.6 73.4 136.4
 130 110.3 75.9 141.1

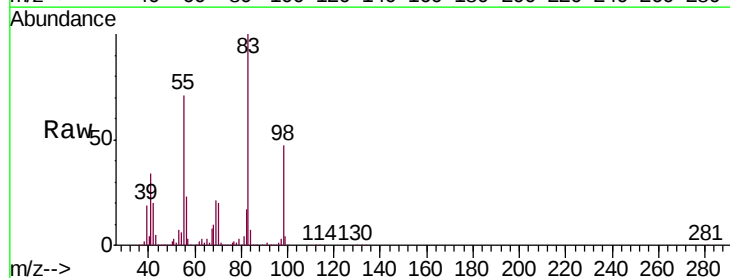


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

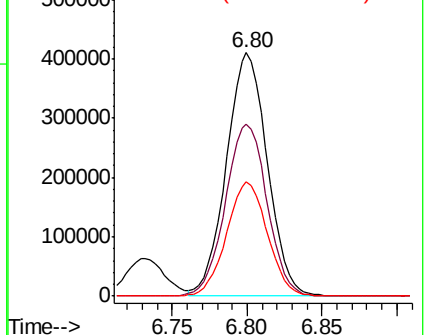
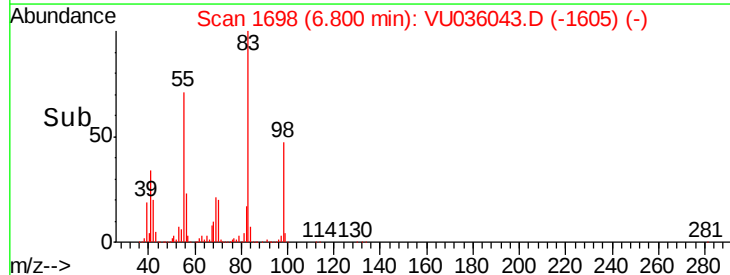


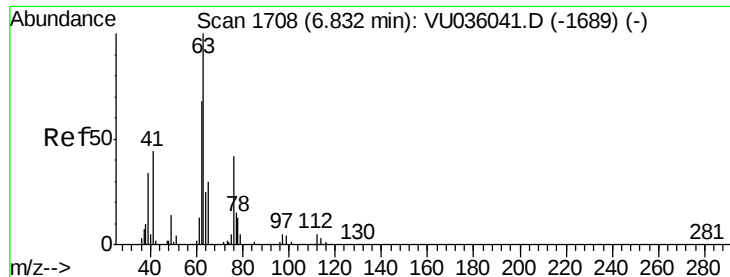
#35
 Methylcyclohexane
 Concen: 22.293 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Tgt Ion: 83 Resp: 780382
 Ion Ratio Lower Upper
 83 100
 55 71.9 62.1 93.1
 98 47.0 37.0 55.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 17.825 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampled :

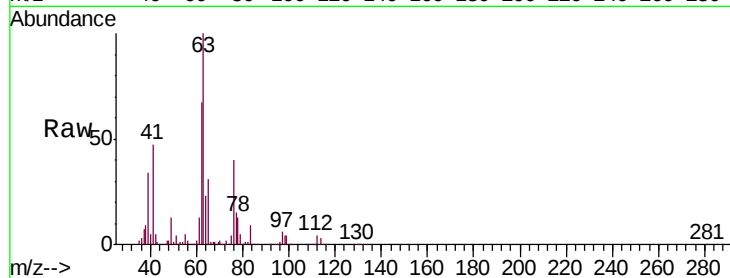
VSTD02003

Tgt Ion: 63 Resp: 446881

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.8



Abundance Ion 63.10 (62.80 to 63.80): VU036043.D (-1615) (-)

Ion 112.10 (111.80 to 112.80): VU036043.D (-1615) (-)

6.83

250000

200000

150000

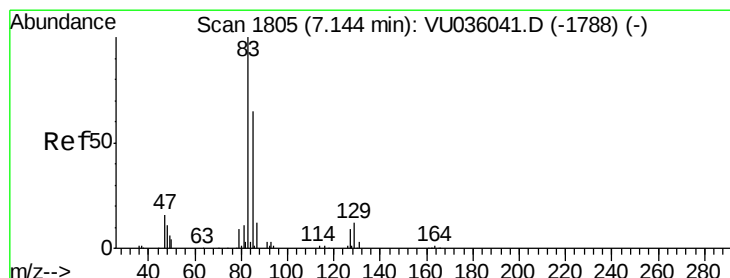
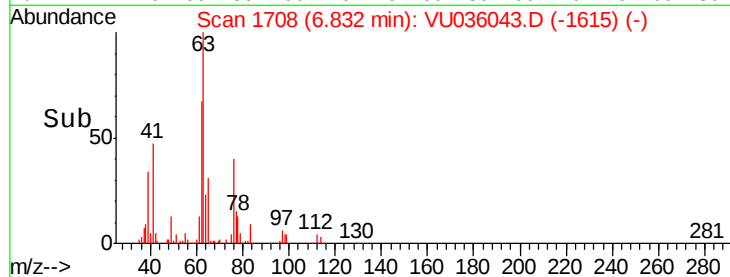
100000

50000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 19.450 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

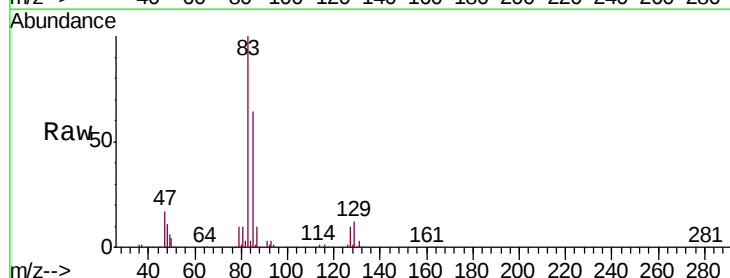
Tgt Ion: 83 Resp: 589661

Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0

127 9.7 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VU036043.D (-1712) (-)

Ion 85.00 (84.70 to 85.70): VU036043.D (-1712) (-)

Ion 126.90 (126.60 to 127.60): VU036043.D (-1712) (-)

7.14

400000

300000

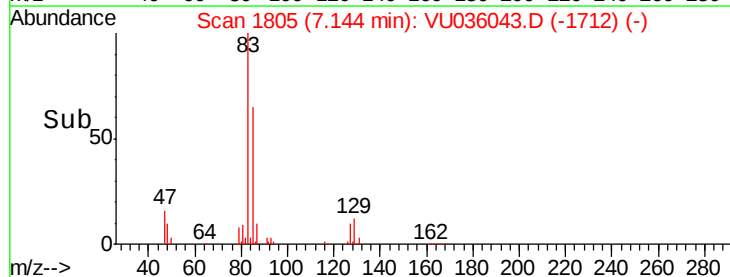
200000

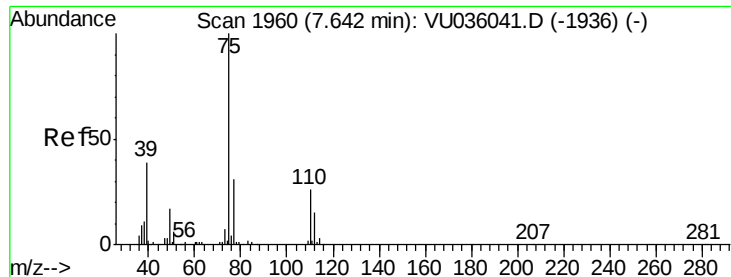
100000

0

7.10 7.20

Time-->



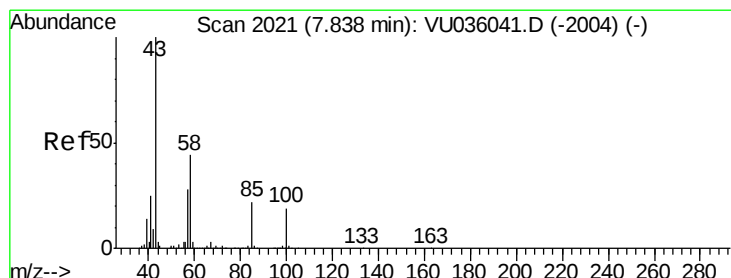
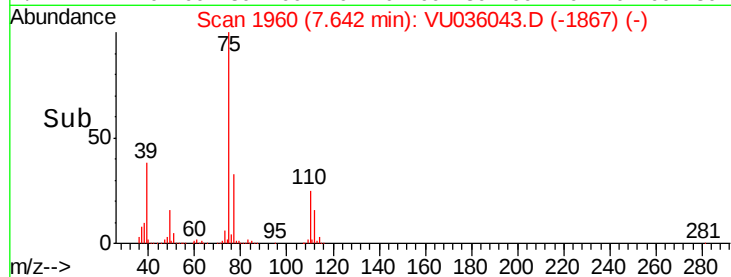
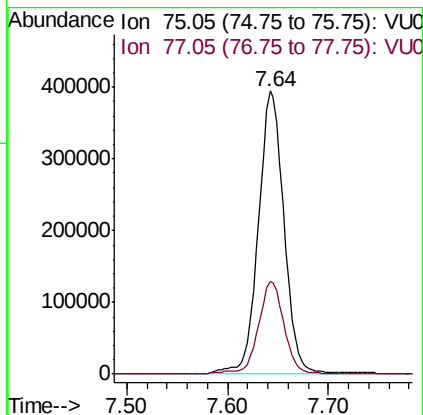
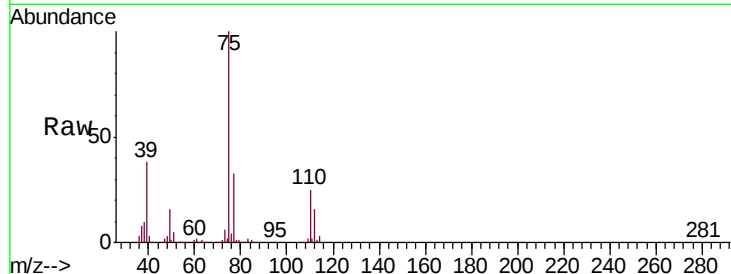


#39

cis-1,3-Dichloropropene
 Concen: 21.004 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

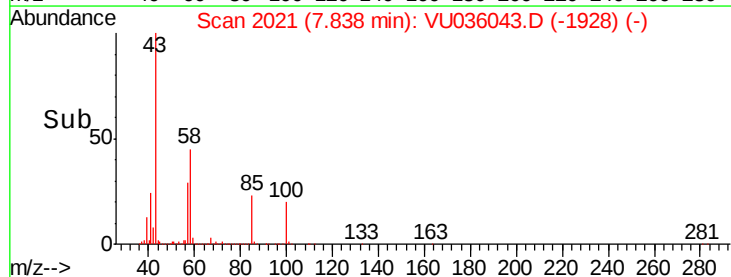
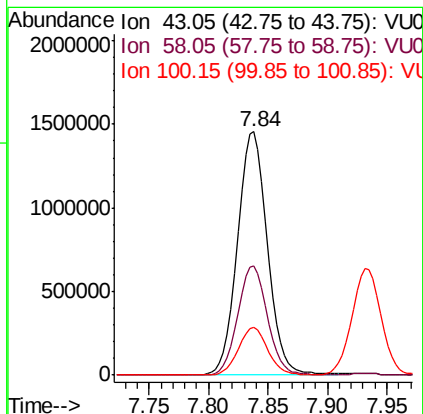
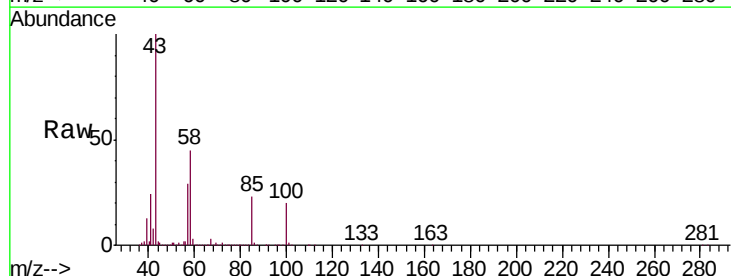
Tgt Ion: 75 Resp: 696772
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.7 40.3

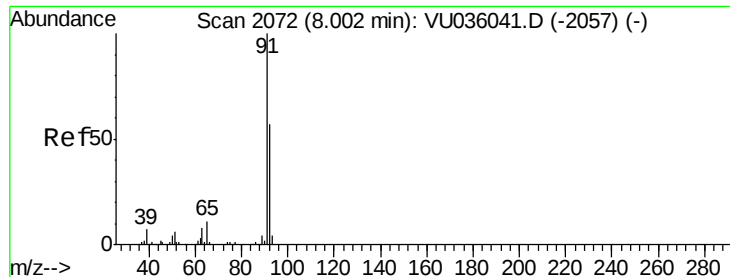


#40

4-Methyl-2-pentanone
 Concen: 176.998 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Tgt Ion: 43 Resp: 2540541
 Ion Ratio Lower Upper
 43 100
 58 44.7 34.5 51.7
 100 19.1 14.3 21.5





#42

Toluene

Concen: 20.827 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

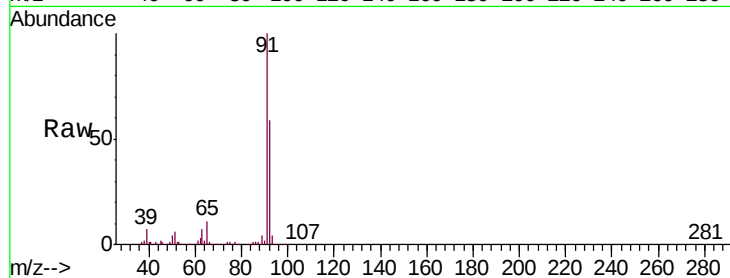
VSTD02003

Tgt Ion: 91 Resp: 2039159

Ion Ratio Lower Upper

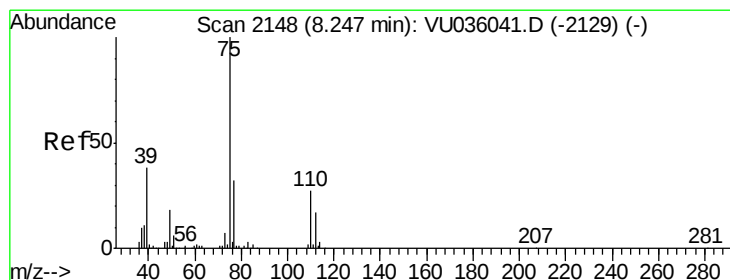
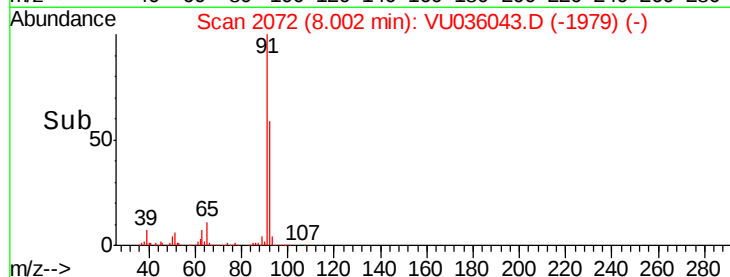
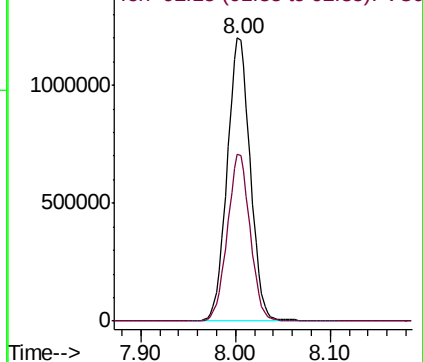
91 100

92 59.1 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU036041.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036041.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 20.256 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036043.D

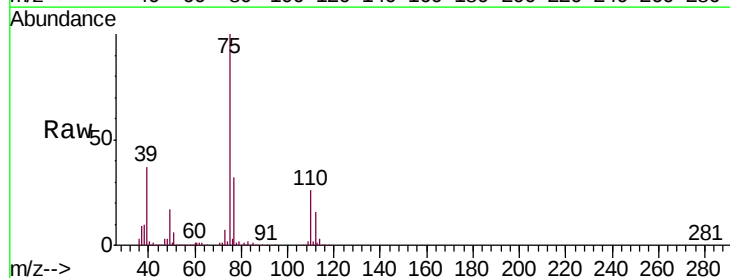
Acq: 09 Dec 2019 12:10

Tgt Ion: 75 Resp: 576094

Ion Ratio Lower Upper

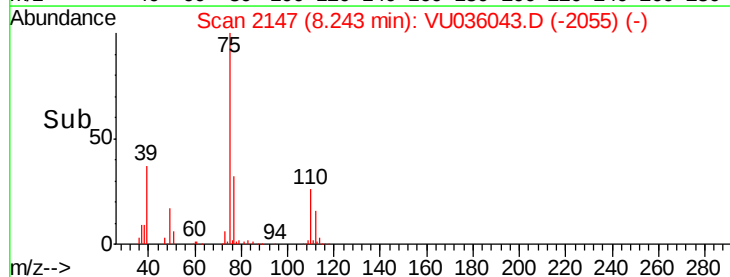
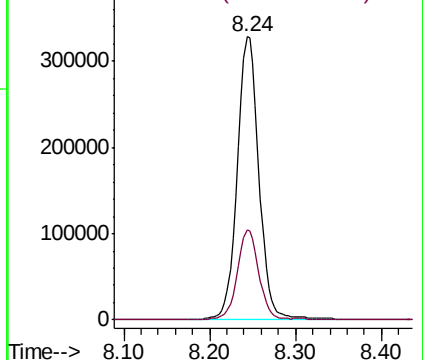
75 100

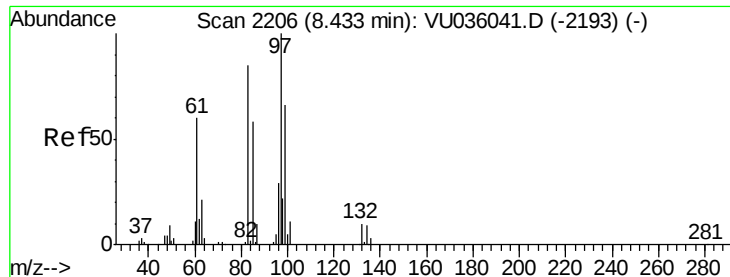
77 31.7 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU036041.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036041.D (-2129) (-)

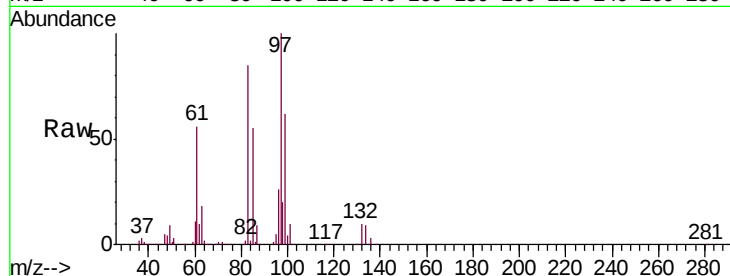




#45
 1,1,2-Trichloroethane
 Concen: 19.912 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion:	97	Resp:	343384
Ion	Ratio	Lower	Upper
97	100		
99	62.3	46.1	85.7
83	85.1	59.6	110.8
85	54.7	40.5	75.3



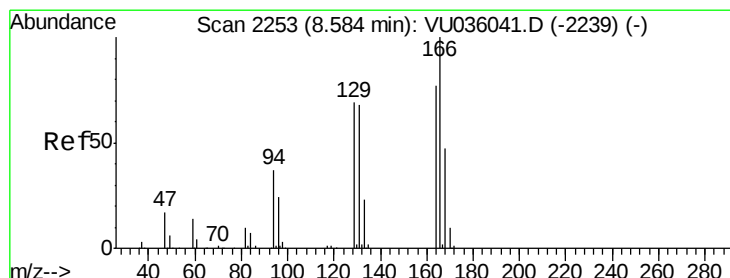
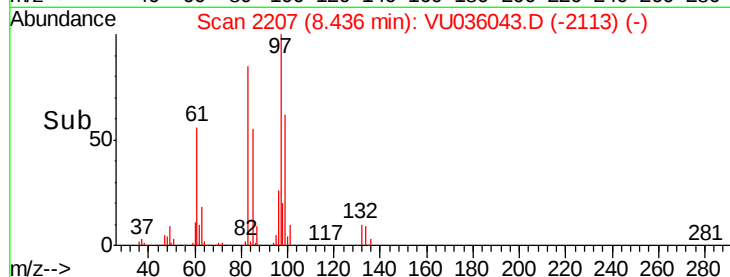
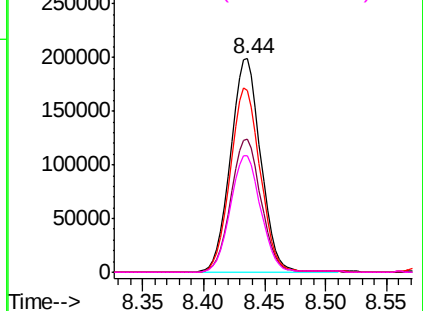
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

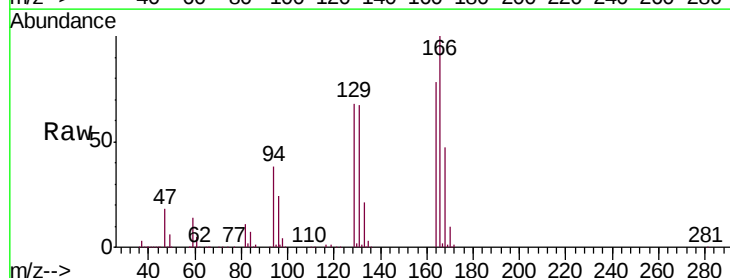
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 22.217 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Tgt Ion:	164	Resp:	440039
Ion	Ratio	Lower	Upper
164	100		
129	87.5	63.1	117.3
131	85.9	61.5	114.1
166	127.9	91.0	169.0



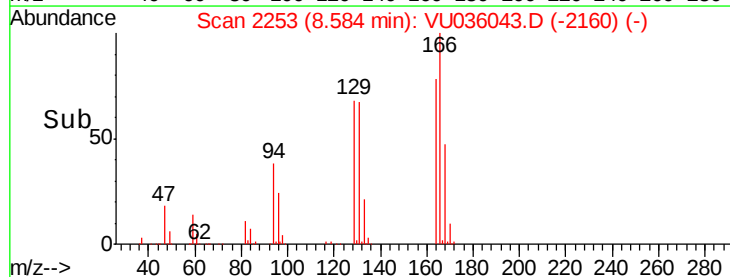
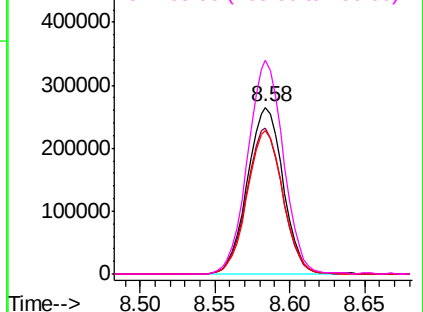
Abundance

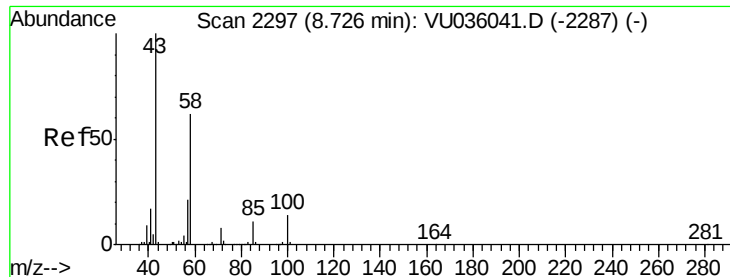
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



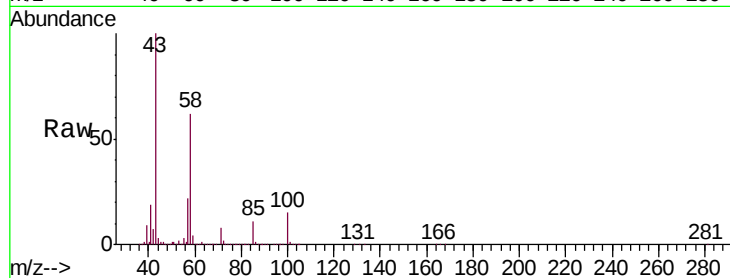


#48
2-Hexanone
Concen: 176.472 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion: 43 Resp: 1902768

Ion	Ratio	Lower	Upper
43	100		
58	62.5	46.9	70.3
57	21.6	16.4	24.6
100	14.7	11.0	16.4

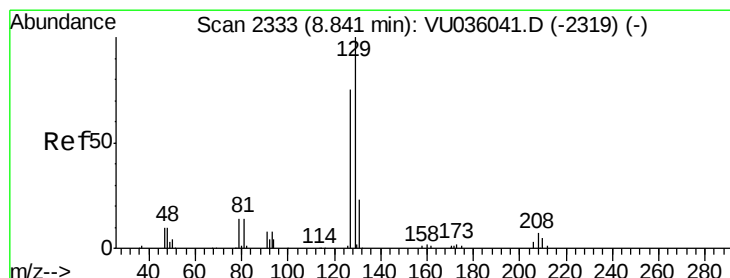
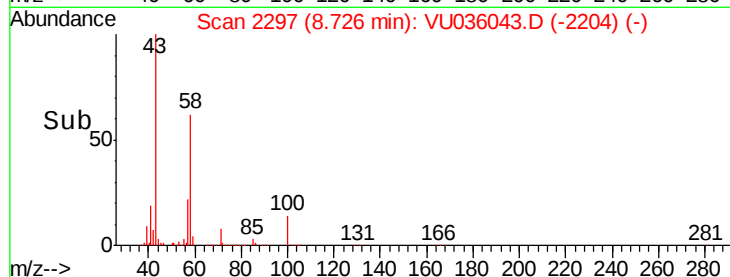
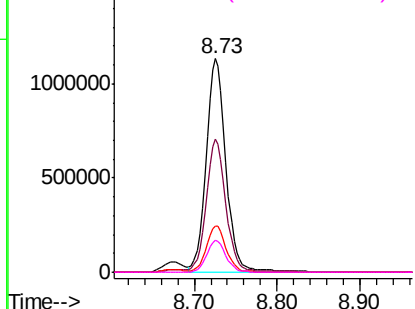


Abundance Ion 43.05 (42.75 to 43.75): VU036043.D (-2287) (-)

Ion 58.05 (57.75 to 58.75): VU036043.D (-2287) (-)

Ion 57.20 (56.90 to 57.90): VU036043.D (-2287) (-)

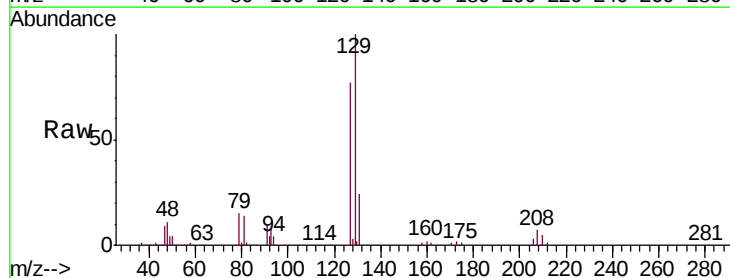
Ion 100.15 (99.85 to 100.85): VU036043.D (-2287) (-)



#49
Dibromochloromethane
Concen: 20.422 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

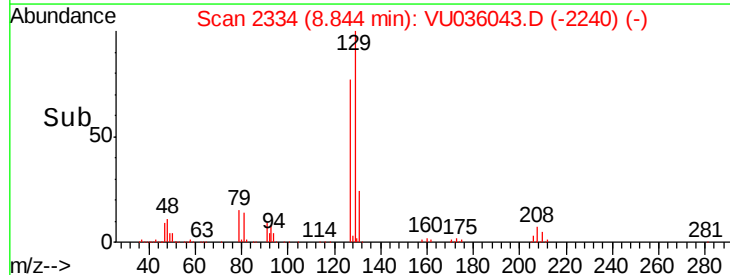
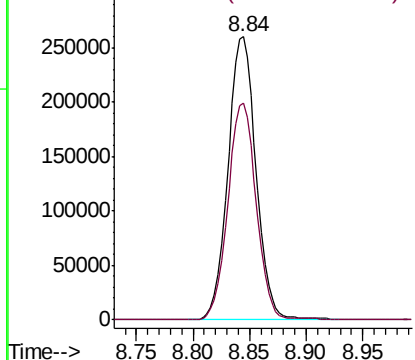
Tgt Ion: 129 Resp: 449344

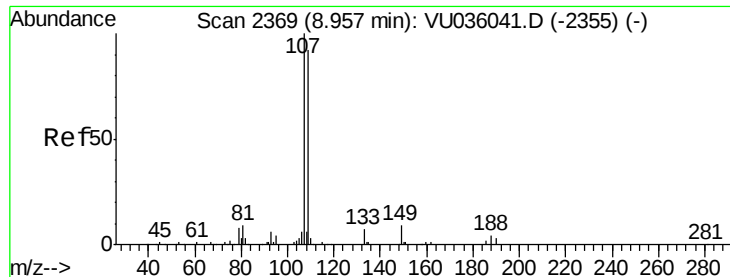
Ion	Ratio	Lower	Upper
129	100		
127	76.7	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): VU036043.D (-2319) (-)

Ion 126.90 (126.60 to 127.60): VU036043.D (-2319) (-)

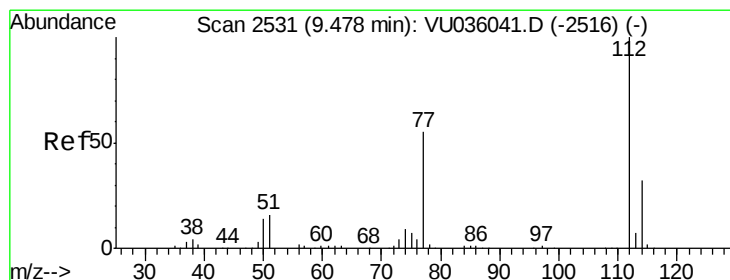
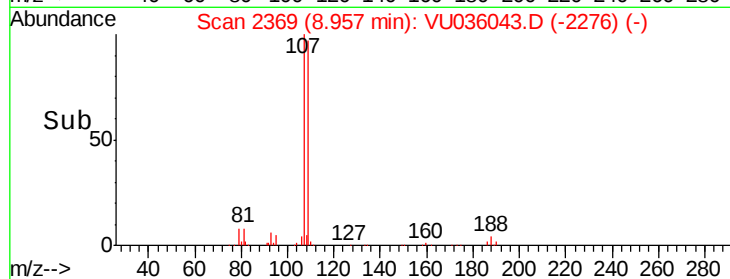
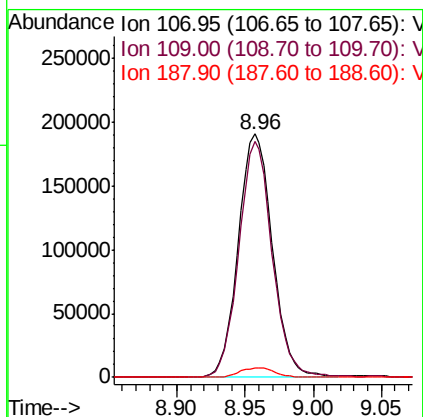
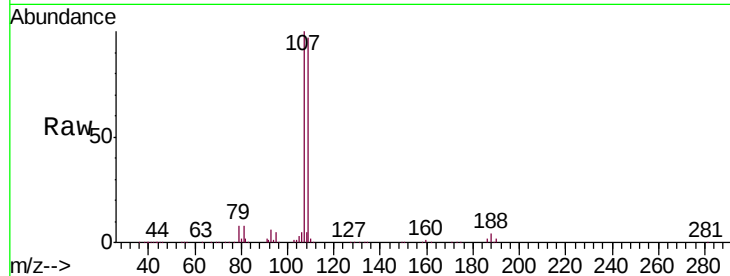




#50
1,2-Dibromoethane
Concen: 19.435 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

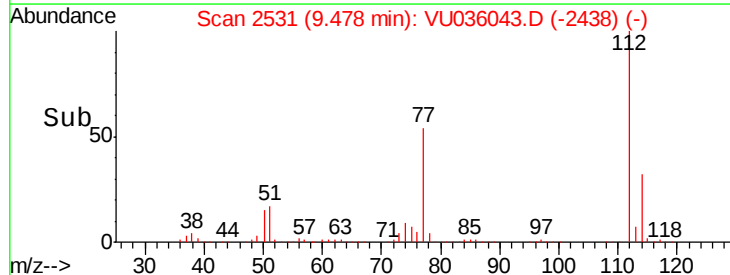
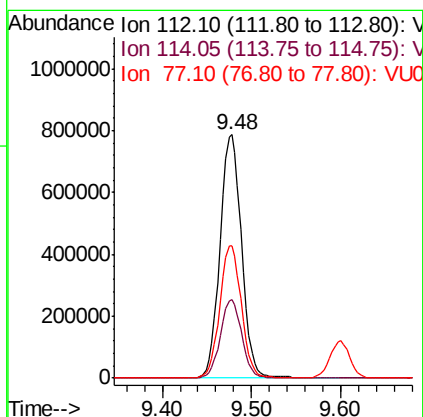
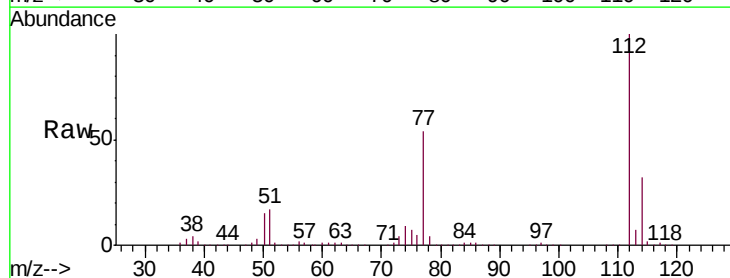
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

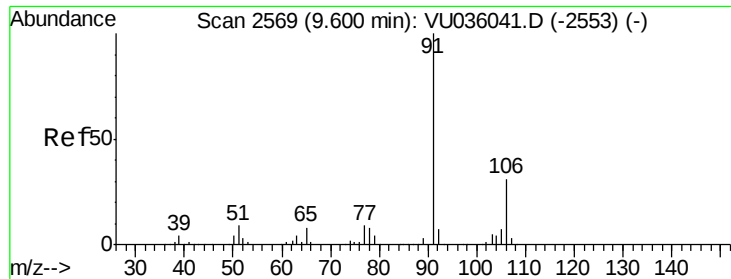
Tgt Ion:107 Resp: 332276
Ion Ratio Lower Upper
107 100
109 97.0 64.3 119.3
188 3.9 3.6 5.4



#51
Chlorobenzene
Concen: 20.910 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

Tgt Ion:112 Resp: 1317102
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 54.4 43.8 65.8





#52

Ethylbenzene

Concen: 21.917 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

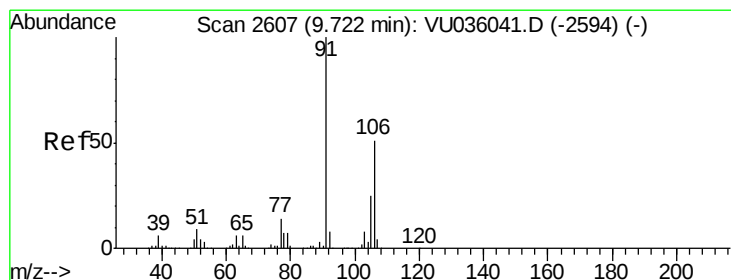
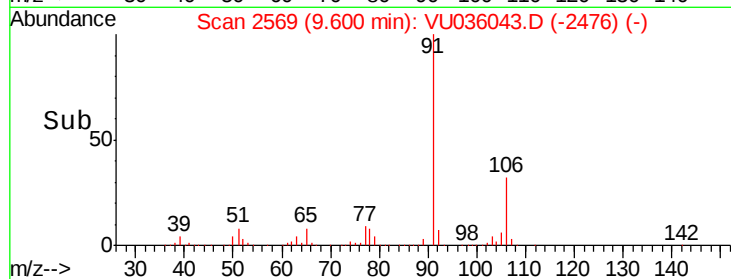
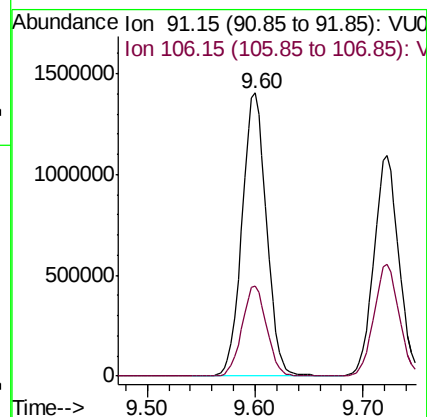
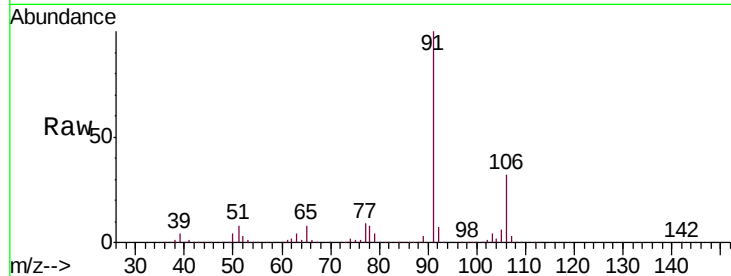
VSTD02003

Tgt Ion: 91 Resp: 2221739

Ion Ratio Lower Upper

91 100

106 31.7 22.0 41.0



#53

m,p-Xylene

Concen: 23.597 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU036043.D

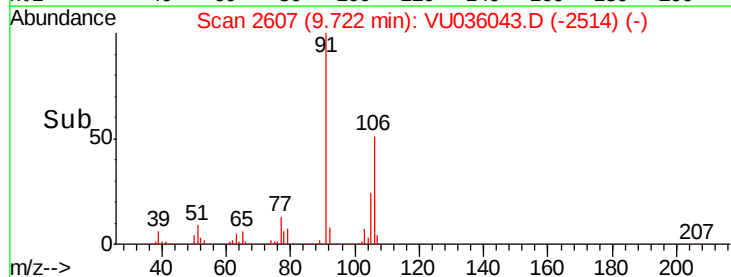
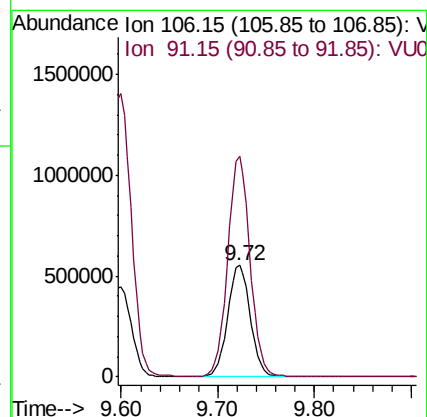
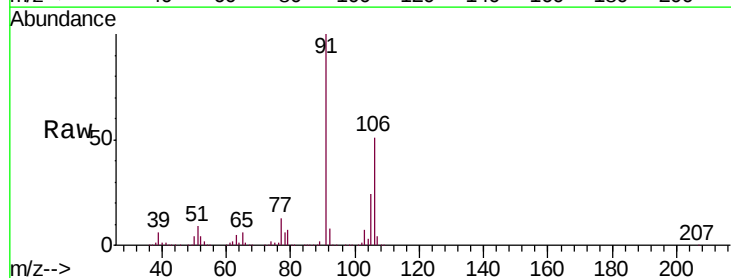
Acq: 09 Dec 2019 12:10

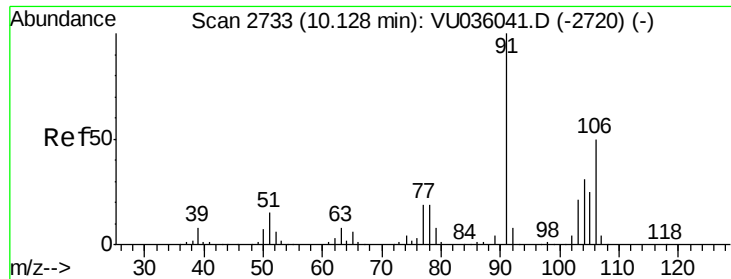
Tgt Ion: 106 Resp: 900488

Ion Ratio Lower Upper

106 100

91 197.8 136.9 254.3

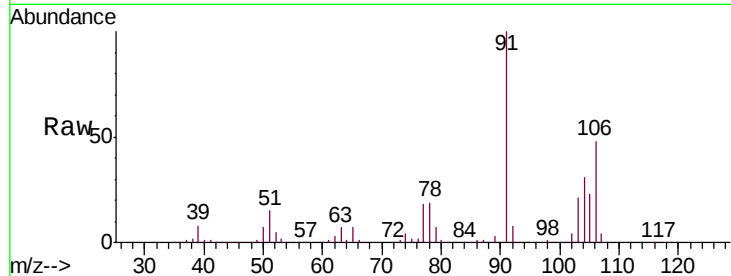




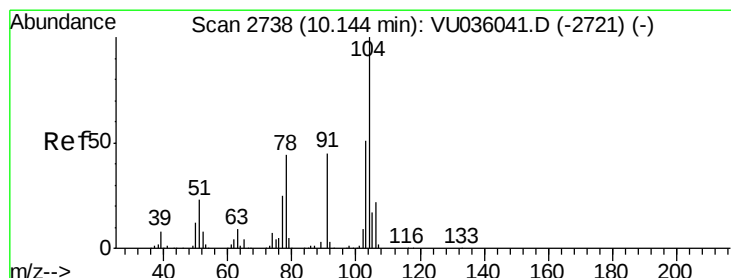
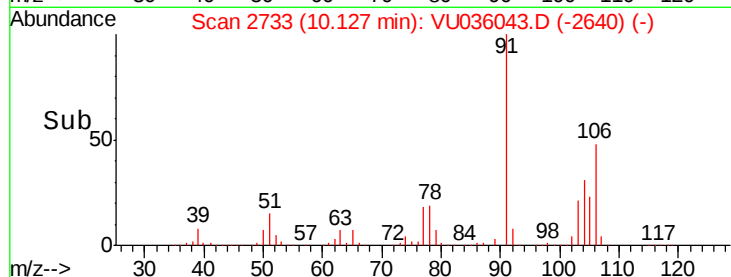
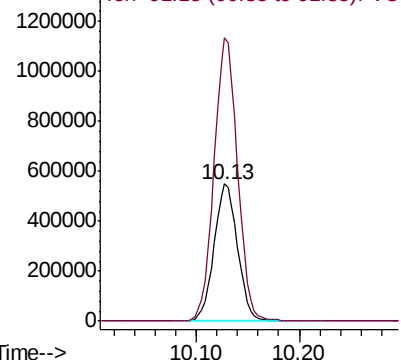
#54
o-Xylene
Concen: 24.665 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion:106 Resp: 869634
Ion Ratio Lower Upper
106 100
91 206.7 140.6 261.2

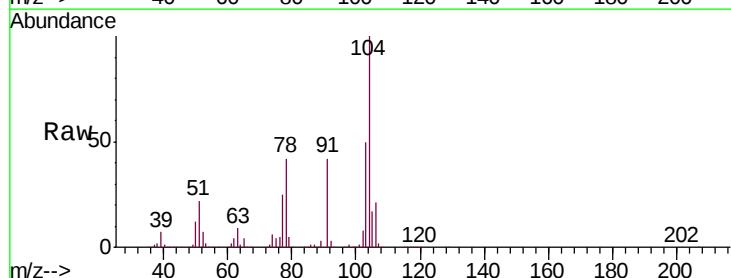


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

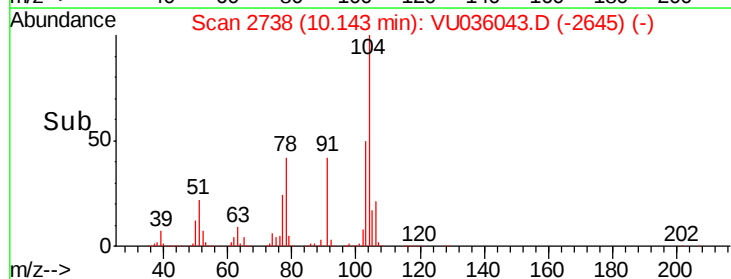
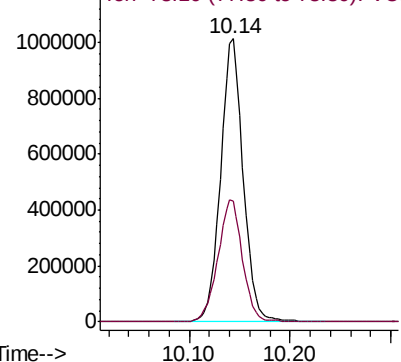


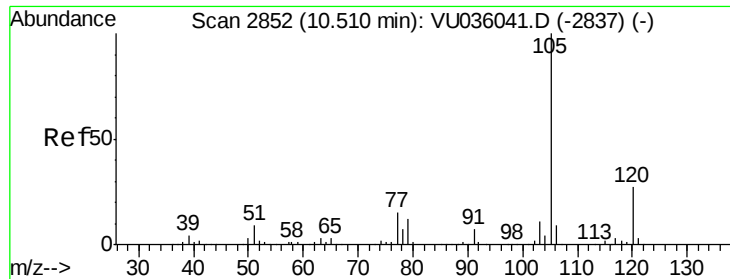
#55
Styrene
Concen: 26.687 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU036043.D
Acq: 09 Dec 2019 12:10

Tgt Ion:104 Resp: 1578706
Ion Ratio Lower Upper
104 100
78 42.5 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 27.074 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampled :

VSTD02003

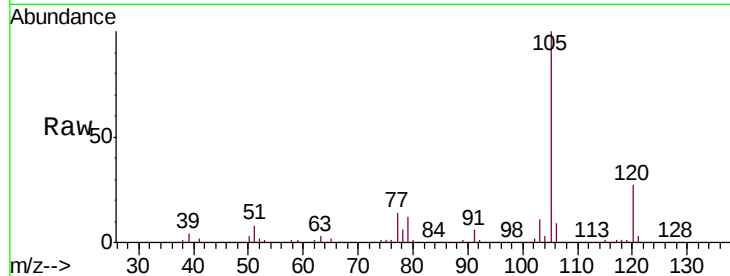
Tgt Ion:105 Resp: 2500993

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

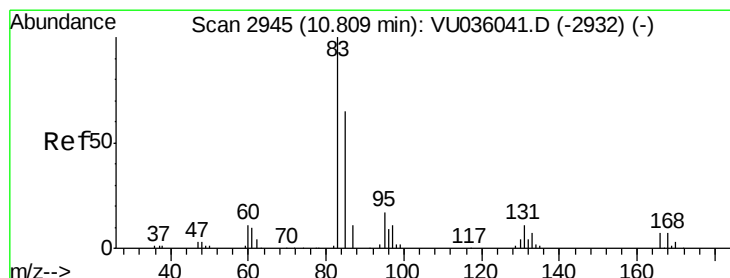
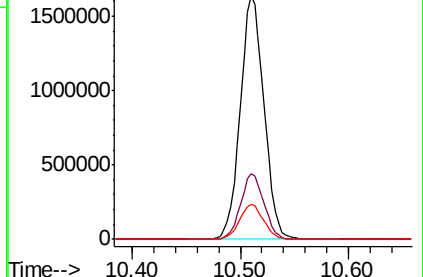
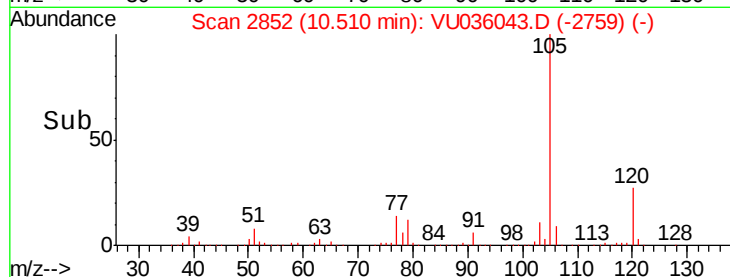
77 14.5 12.3 18.5



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: 20.699 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

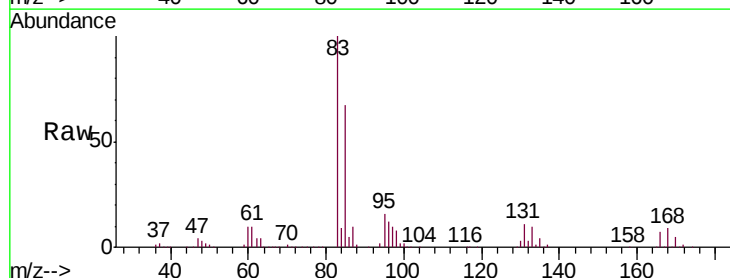
Tgt Ion: 83 Resp: 474476

Ion Ratio Lower Upper

83 100

85 66.9 45.4 84.2

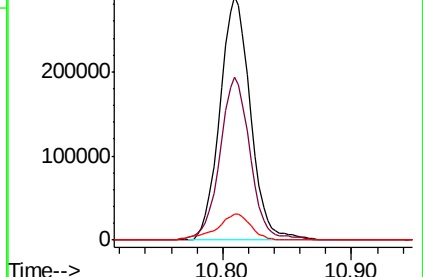
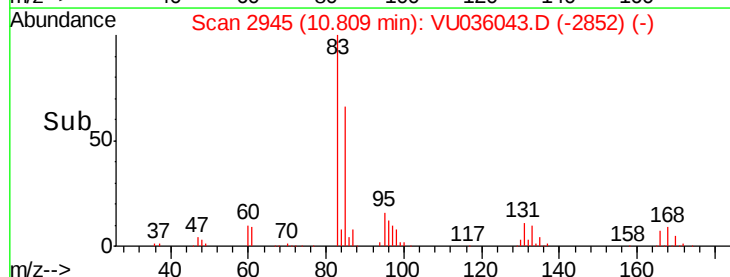
131 10.6 9.0 13.4

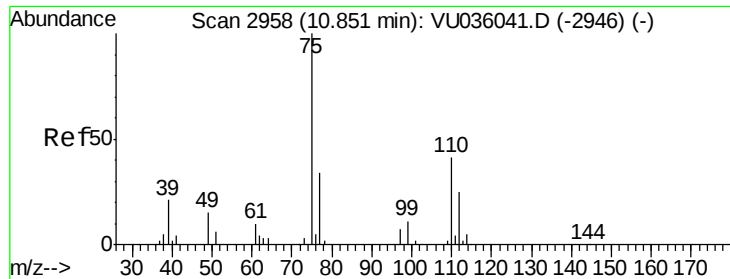


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.599 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

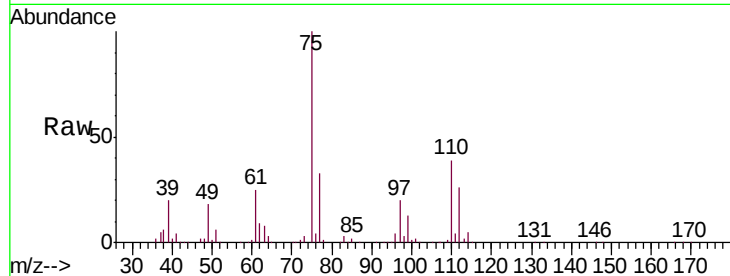
VSTD02003

Tgt Ion: 75 Resp: 337005

Ion Ratio Lower Upper

75 100

77 32.8 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU036041.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU036041.D (-2946) (-)

10.85

200000

150000

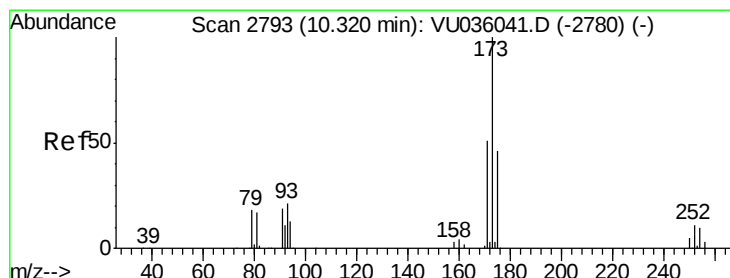
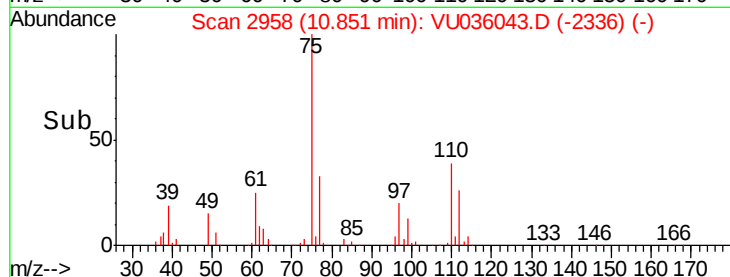
100000

50000

0

10.80 10.90

Time-->



#61

Bromoform

Concen: 17.062 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

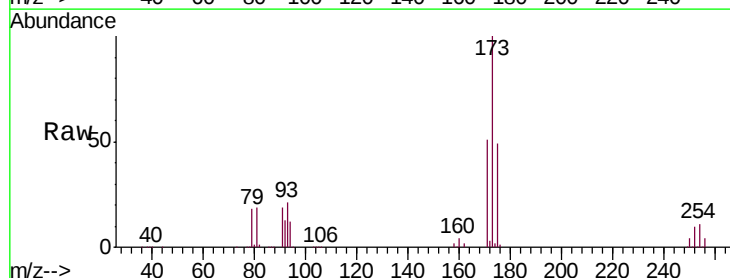
Tgt Ion: 173 Resp: 316896

Ion Ratio Lower Upper

173 100

175 49.6 39.4 59.0

254 10.6 8.1 12.1



Abundance Ion 172.90 (172.60 to 173.60): VU036041.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU036041.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU036041.D (-2780) (-)

10.32

250000

200000

150000

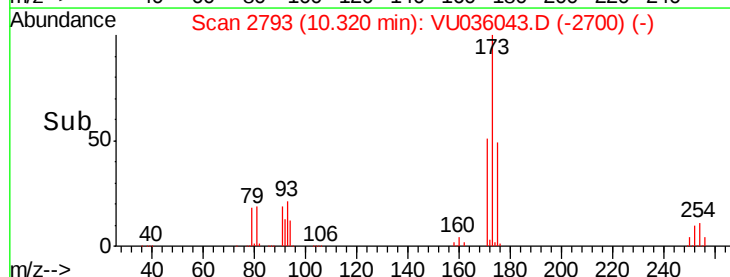
100000

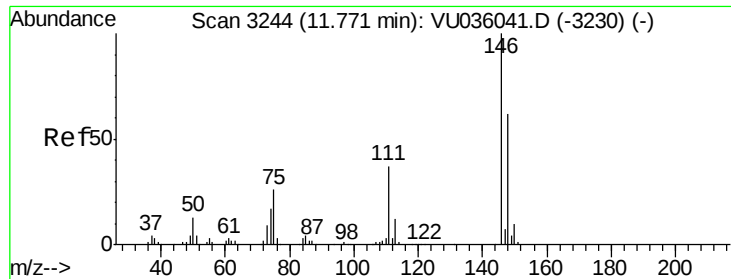
50000

0

10.30 10.40

Time-->





#62

1,3-Dichlorobenzene

Concen: 19.887 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

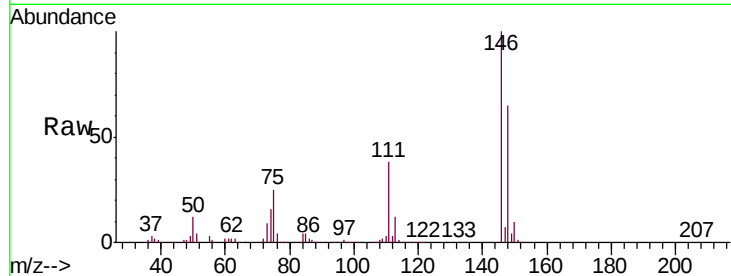
Tgt Ion:146 Resp: 1323932

Ion Ratio Lower Upper

146 100

111 38.1 26.0 48.2

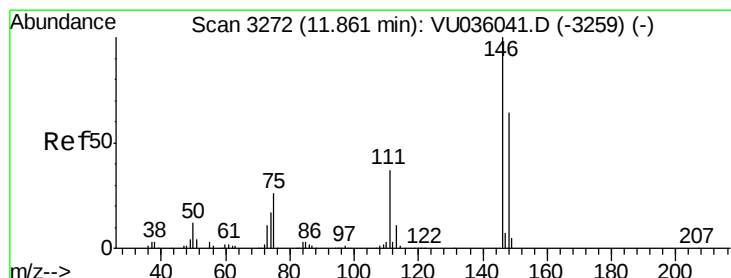
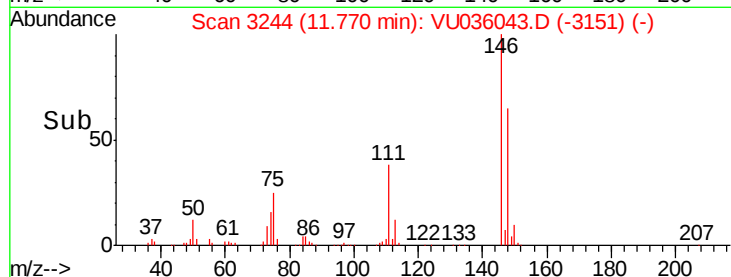
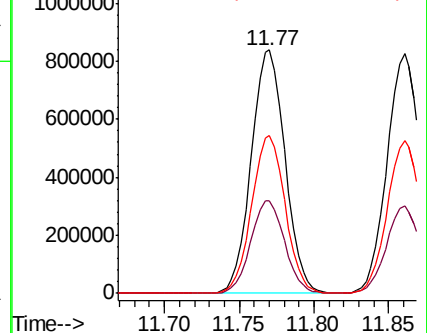
148 64.9 43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.699 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

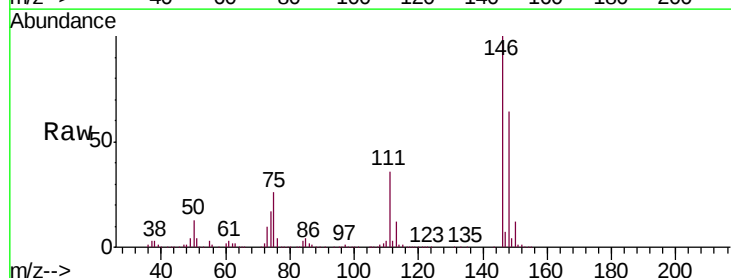
Tgt Ion:146 Resp: 1304905

Ion Ratio Lower Upper

146 100

111 36.2 26.2 48.6

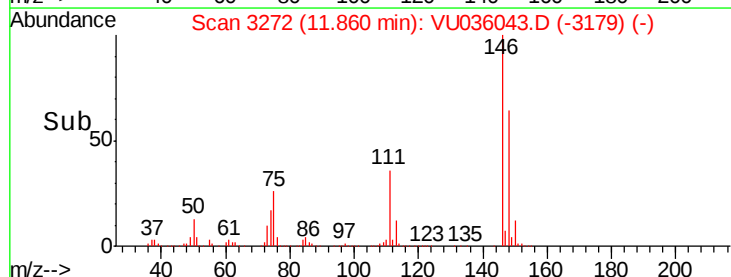
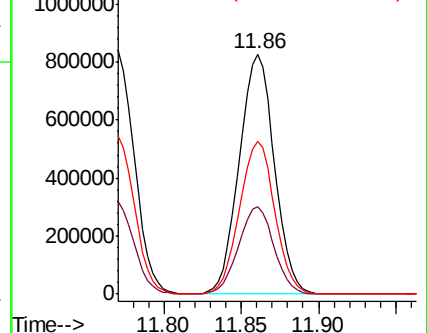
148 63.5 44.9 83.5

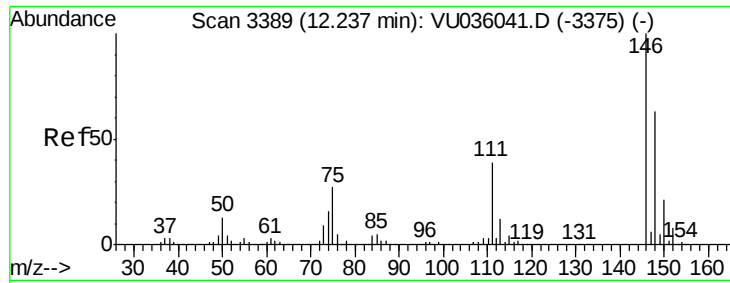


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

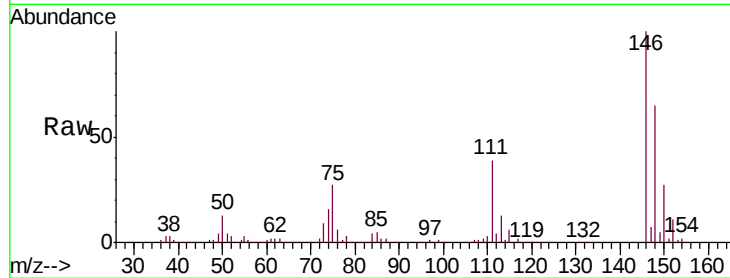




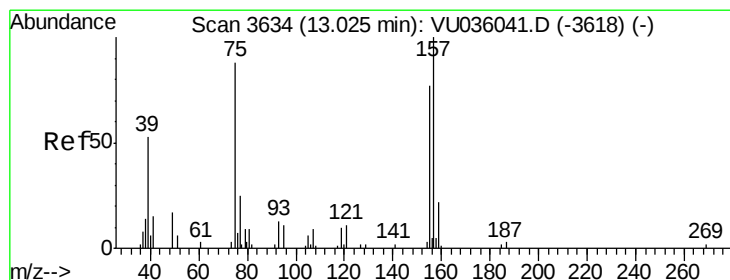
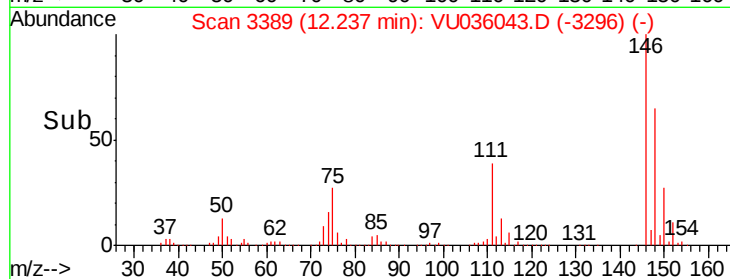
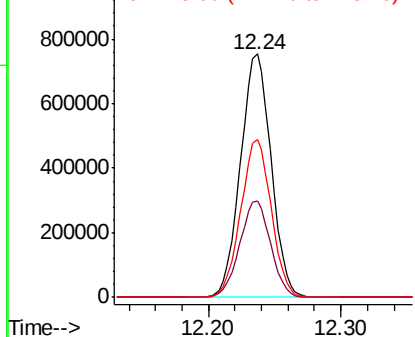
#65
 1,2-Dichlorobenzene
 Concen: 19.006 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion:146 Resp: 1208359
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.3 46.9
 148 65.0 50.5 75.7

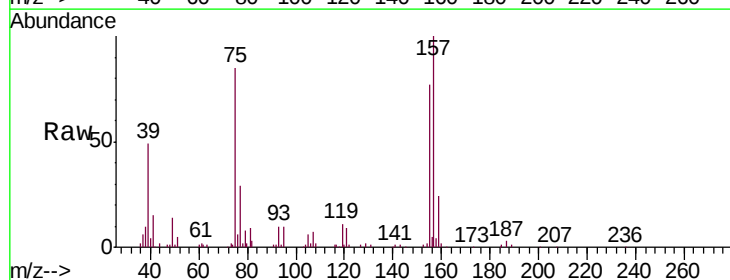


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

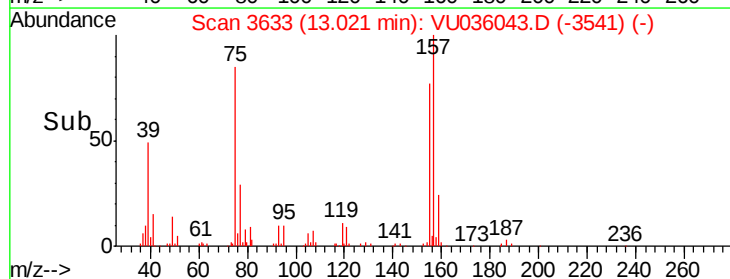
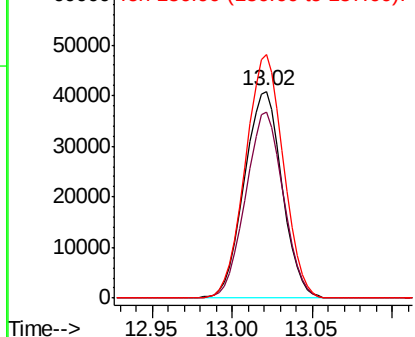


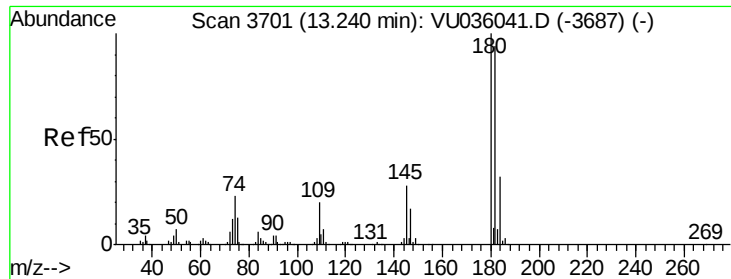
#66
 1,2-Dibromo-3-chloropropane
 Concen: 13.498 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Tgt Ion: 75 Resp: 65738
 Ion Ratio Lower Upper
 75 100
 155 90.2 70.0 105.0
 157 117.8 90.5 135.7



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

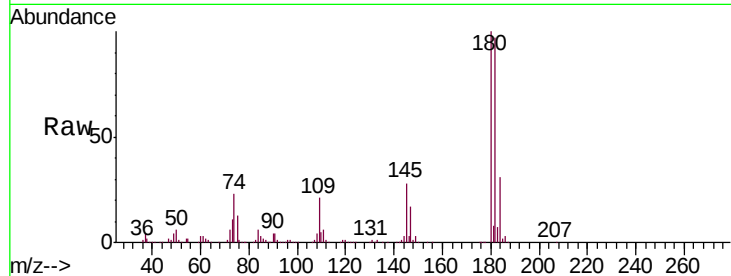




#67
 1,3,5-Trichlorobenzene
 Concen: 18.833 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.2	112.8
184	30.9	24.2	36.2
145	27.8	21.7	32.5



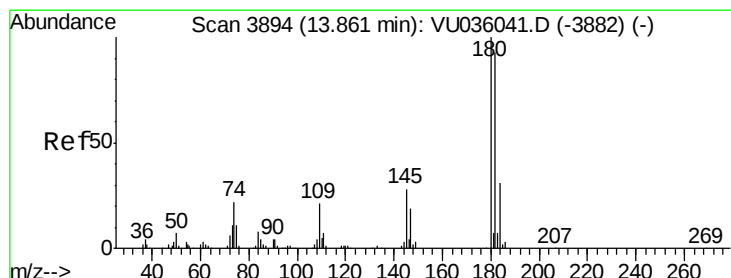
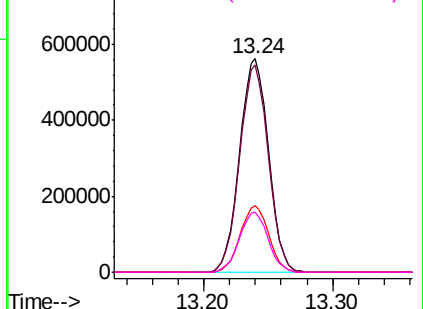
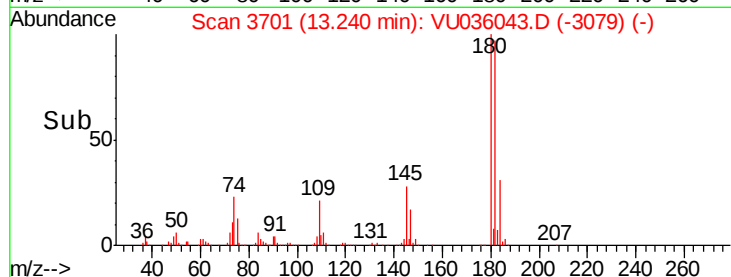
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

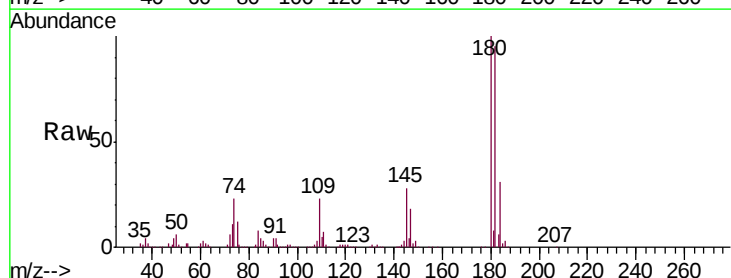
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.310 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036043.D
 Acq: 09 Dec 2019 12:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.3	111.5
145	27.9	22.1	33.1

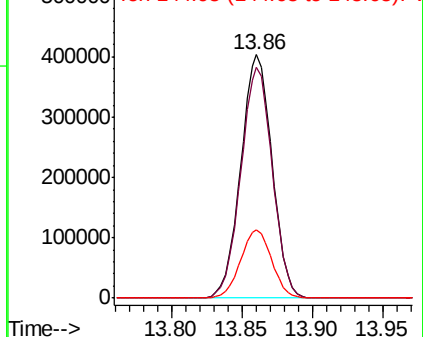
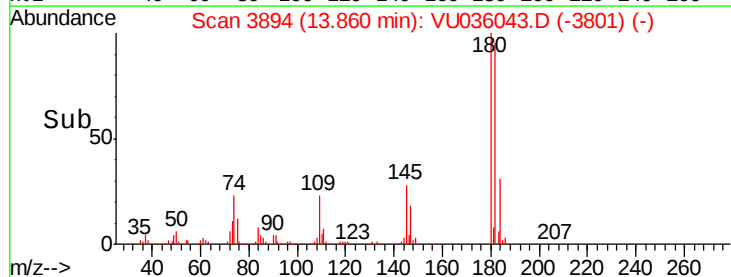


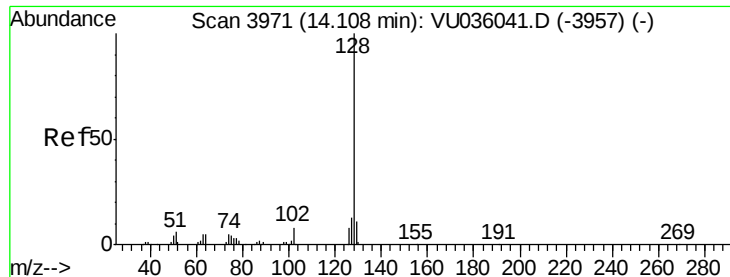
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 28.936 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

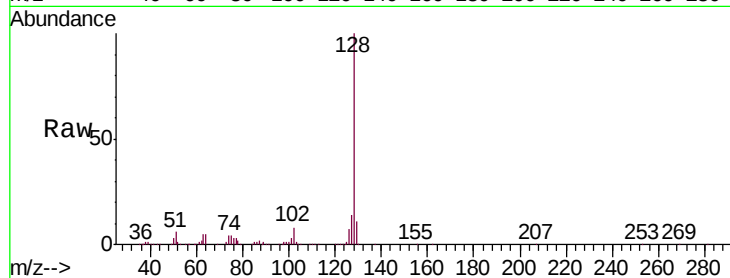
Tgt Ion:128 Resp: 789088

Ion Ratio Lower Upper

128 100

129 10.6 9.2 13.8

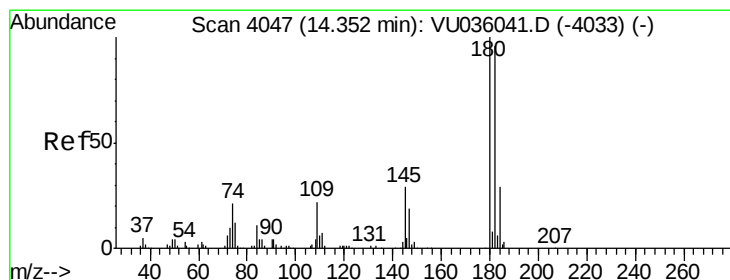
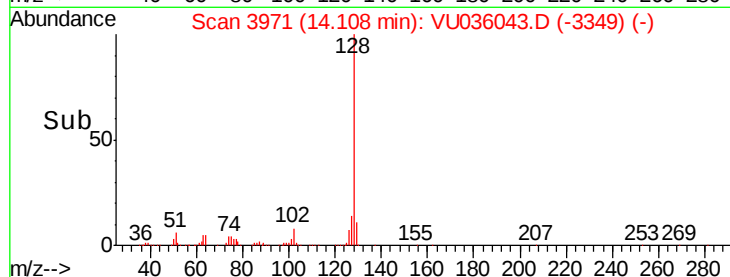
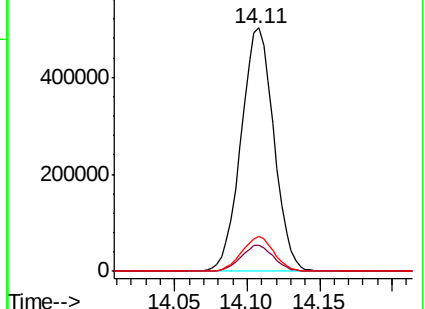
127 13.9 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.487 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036043.D

Acq: 09 Dec 2019 12:10

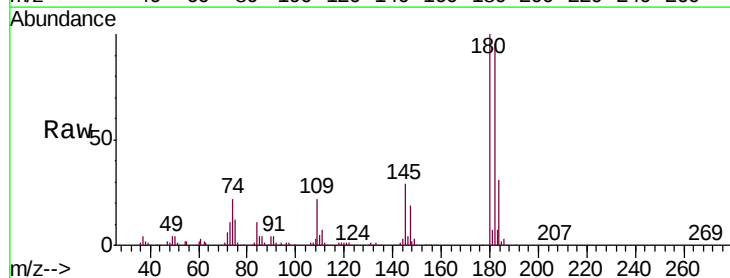
Tgt Ion:180 Resp: 588605

Ion Ratio Lower Upper

180 100

182 95.4 76.9 115.3

145 29.4 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

