

Data File : VU028411.D
Acq On : 30 Nov 2018 10:13
Operator : MD/SY
Sample : VSTD10056
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10056

Quant Time: Nov 30 22:54:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 22:49:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	479891	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	463352	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	228186	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	444448	103.52	ug/L	0.00
7) Chloroethane-d5	1.68	69	338162	102.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	779175	102.05	ug/L	0.00
21) 2-Butanone-d5	4.17	46	737395	209.27	ug/L	0.00
24) Chloroform-d	4.65	84	709762	102.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	464473	98.47	ug/L	0.00
32) Benzene-d6	5.34	84	1468048	101.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	525069	100.89	ug/L	0.00
41) Toluene-d8	7.57	98	1324043	101.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	239975	102.11	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	525548	209.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	685542	103.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	467555	101.88	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	429337	100.057	ug/L	99
3) Chloromethane	1.33	50	640297	103.275	ug/L	100
5) Vinyl chloride	1.40	62	533763	100.659	ug/L	99
6) Bromomethane	1.62	94	147378	98.739	ug/L	100
8) Chloroethane	1.69	64	298033	100.114	ug/L	98
9) Trichlorofluoromethane	1.88	101	534168	98.912	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	308806	98.505	ug/L	99
12) 1,1-Dichloroethene	2.28	96	303525	100.226	ug/L	86
13) Acetone	2.32	43	648070	176.795	ug/L	98
14) Carbon disulfide	2.48	76	1148660	100.186	ug/L	99
15) Methyl Acetate	2.61	43	531318	97.972	ug/L	99
16) Methylene chloride	2.70	84	392313	100.072	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	344520	100.384	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	1189205	99.714	ug/L	99
19) 1,1-Dichloroethane	3.45	63	745286	100.528	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	398863	101.048	ug/L	96
22) 2-Butanone	4.26	43	888162	193.547	ug/L	99
23) Bromochloromethane	4.55	128	173626	100.547	ug/L	97
25) Chloroform	4.67	83	677926	99.873	ug/L	98
27) 1,2-Dichloroethane	5.40	62	560801	99.799	ug/L	99
29) Cyclohexane	5.00	56	746669	99.294	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	546713	99.682	ug/L	99
31) Carbon tetrachloride	5.13	117	439014	99.380	ug/L	99
33) Benzene	5.39	78	1585217	99.596	ug/L	100
34) Trichloroethene	6.19	95	381412	100.219	ug/L	99
35) Methylcyclohexane	6.41	83	659639	99.569	ug/L	100
37) 1,2-Dichloropropane	6.43	63	462686	98.042	ug/L	100
38) Bromodichloromethane	6.76	83	520428	99.384	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	688714	102.782	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1479018	198.168	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1628034	100.506	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	629724	102.561	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	366393	99.837	ug/L	98
46) Tetrachloroethene	8.22	164	269383	100.654	ug/L	99
48) 2-Hexanone	8.36	43	1209740	192.925	ug/L	100
49) Dibromochloromethane	8.48	129	376630	100.328	ug/L	97
50) 1,2-Dibromoethane	8.58	107	392128	99.404	ug/L	97
51) Chlorobenzene	9.12	112	964527	99.820	ug/L	99
52) Ethylbenzene	9.25	91	1802143	100.716	ug/L	99
53) m,p-Xylene	9.37	106	652033	102.169	ug/L	98
54) o-xylene	9.78	106	642961	101.716	ug/L	100
55) Styrene	9.79	104	1120218	103.436	ug/L	98
56) Isopropylbenzene	10.17	105	1682096	100.871	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	686543	100.286	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	532358	99.377	ug/L	100
61) Bromoform	9.96	173	277457	98.849	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	737838	99.210	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	746943	99.733	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	734056	99.439	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	148100	99.588	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	554144	101.285	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	517980	101.653	ug/L	99
69) Naphthalene	13.74	128	1831262	103.066	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	525967	102.473	ug/L	99

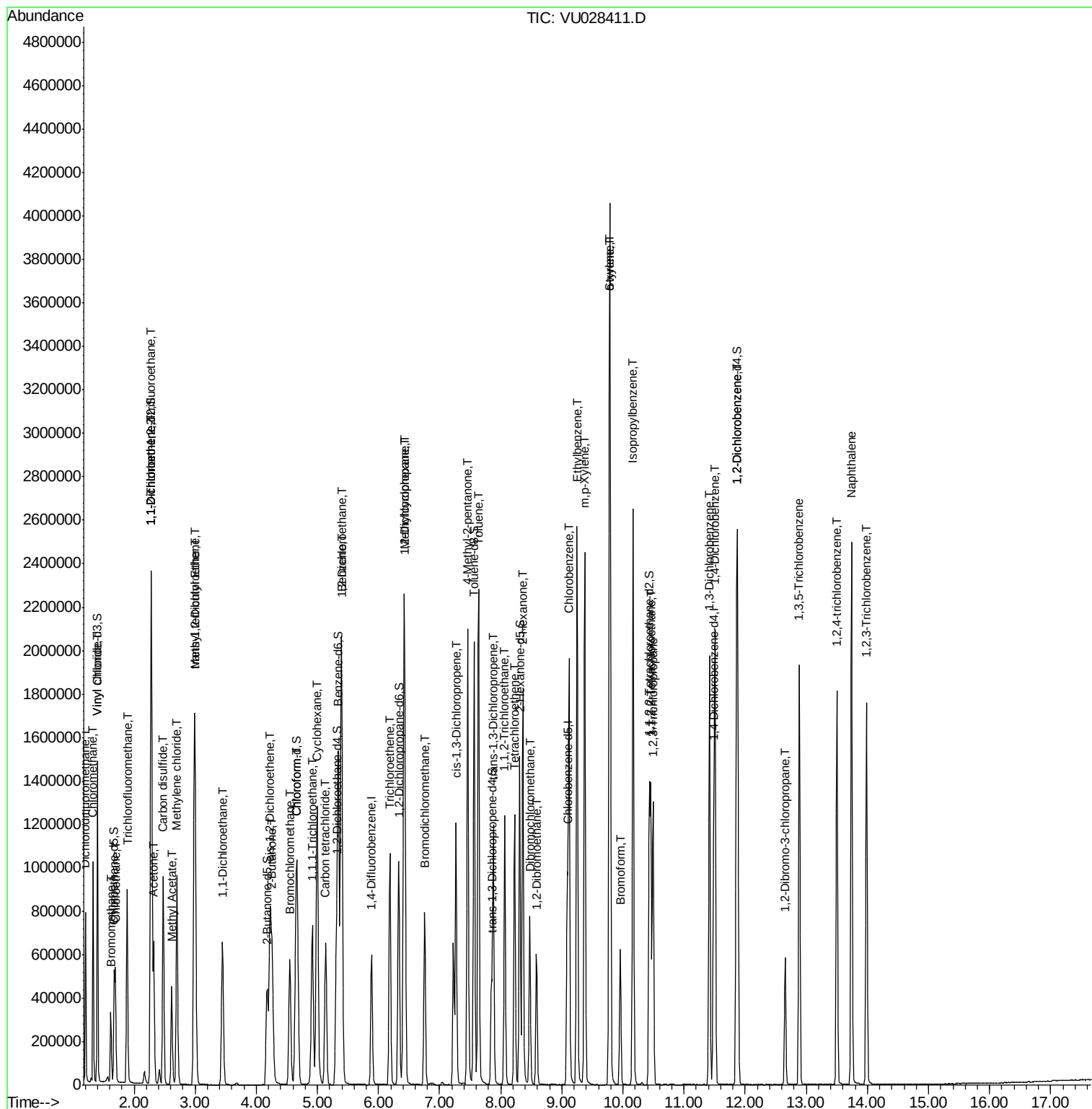
(#) = qualifier out of range (m) = manual integration (+) = signals summed

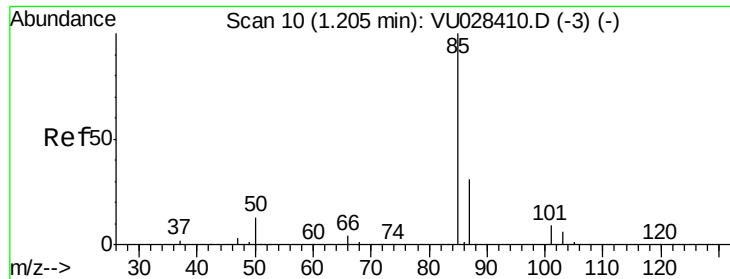
Data File : VU028411.D

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#2

Dichlorodifluoromethane

Concen: 100.057 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

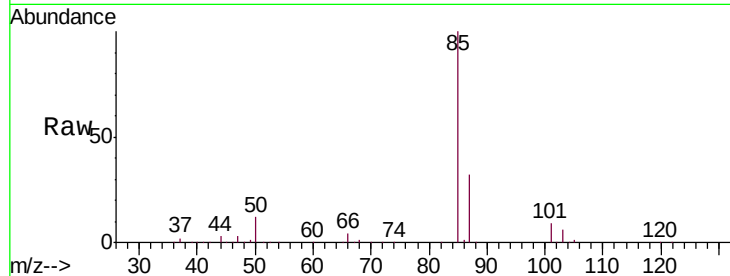
VSTD10056

Tgt Ion: 85 Resp: 429337

Ion Ratio Lower Upper

85 100

87 32.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

400000

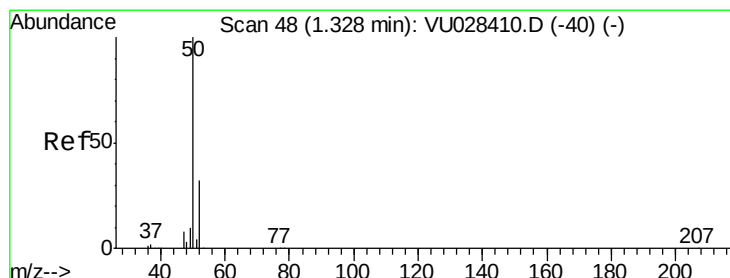
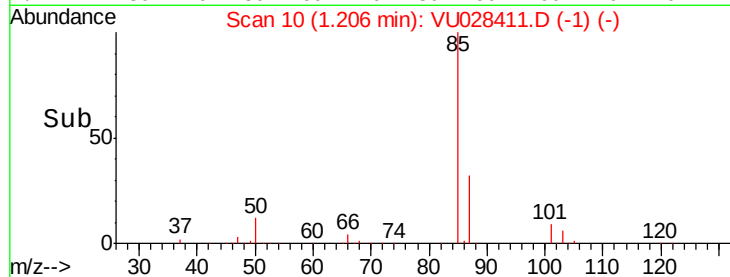
300000

200000

100000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 103.275 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028411.D

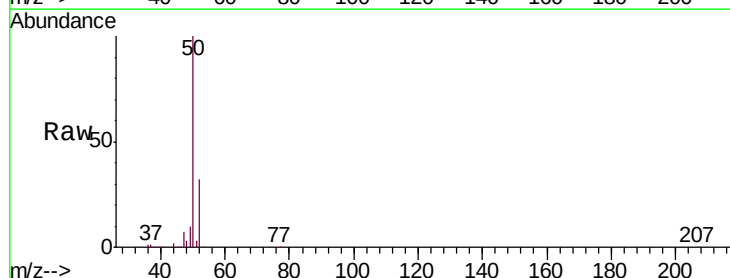
Acq: 30 Nov 2018 10:13

Tgt Ion: 50 Resp: 640297

Ion Ratio Lower Upper

50 100

52 32.3 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

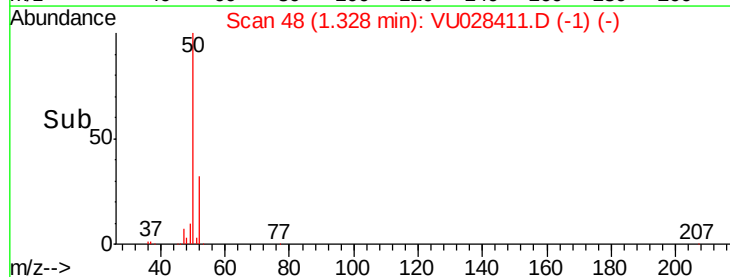
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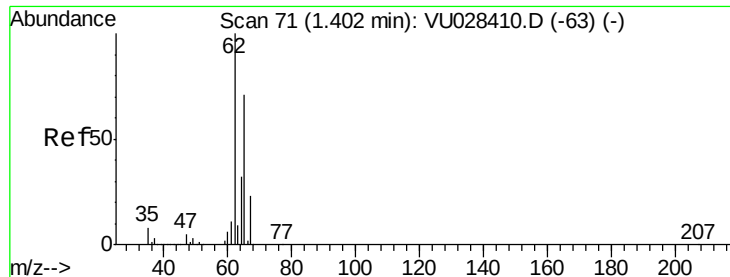
400000

200000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 100.659 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

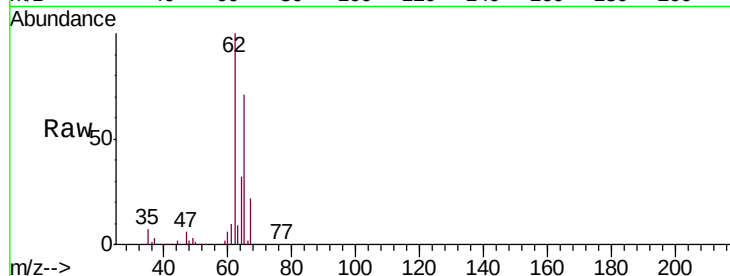
VSTD10056

Tgt Ion: 62 Resp: 533763

Ion Ratio Lower Upper

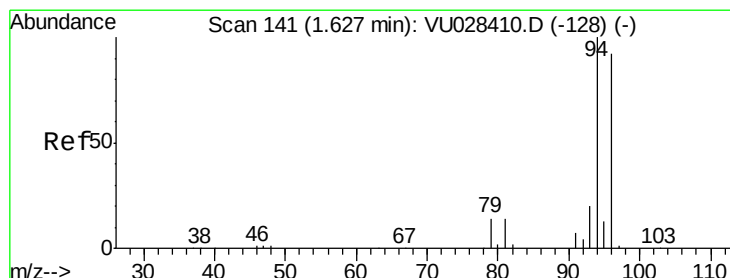
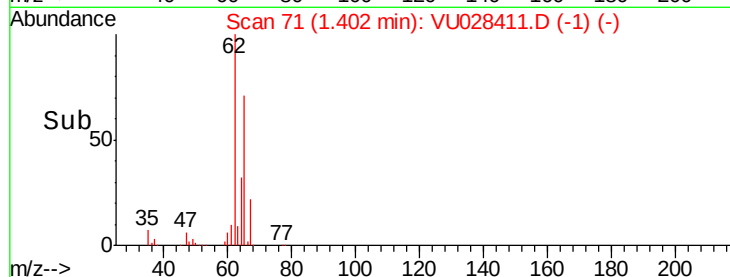
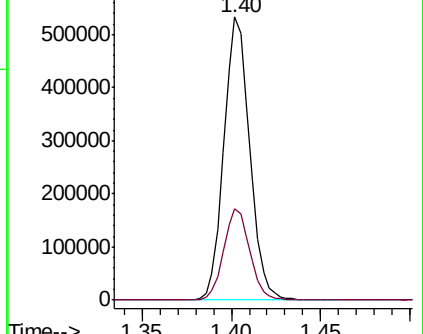
62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 98.739 ug/L

RT: 1.62 min Scan# 139

Delta R.T. -0.01 min

Lab File: VU028411.D

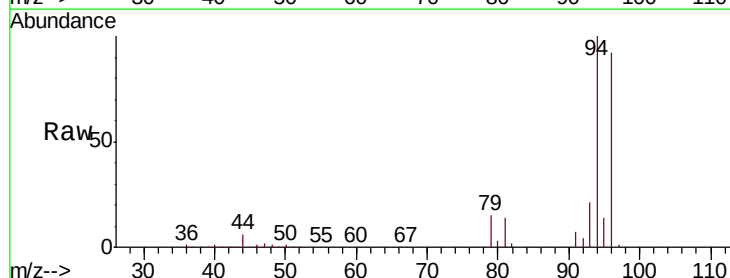
Acq: 30 Nov 2018 10:13

Tgt Ion: 94 Resp: 147378

Ion Ratio Lower Upper

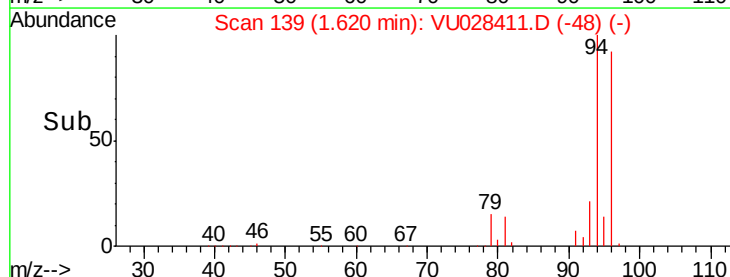
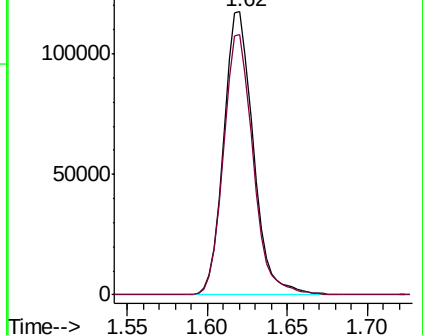
94 100

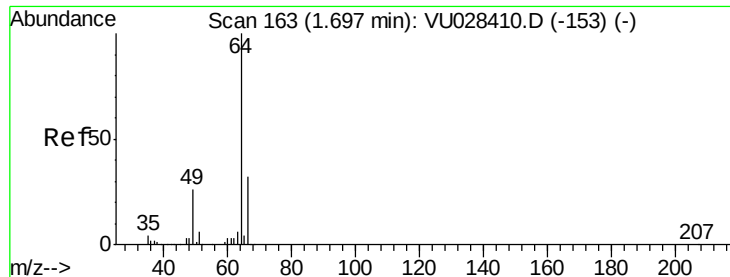
96 91.8 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 100.114 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

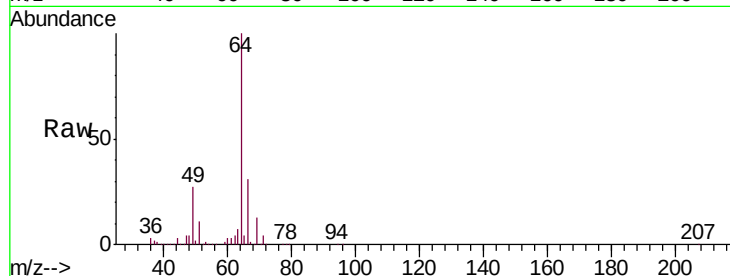
VSTD10056

Tgt Ion: 64 Resp: 298033

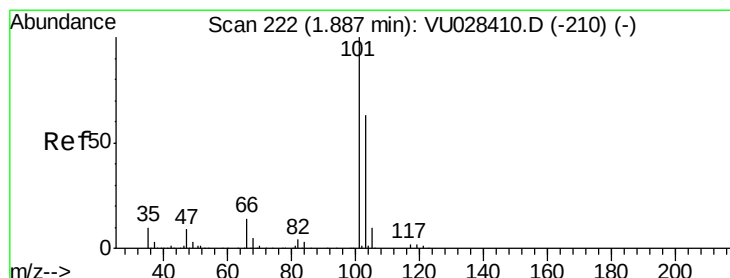
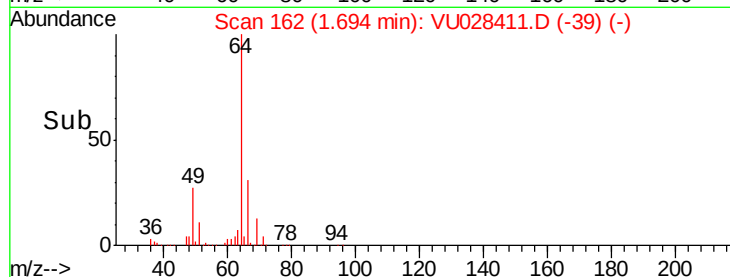
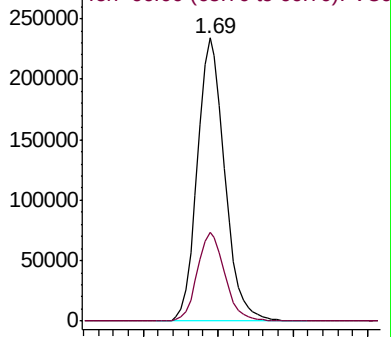
Ion Ratio Lower Upper

64 100

66 31.2 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU028410.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 98.912 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU028411.D

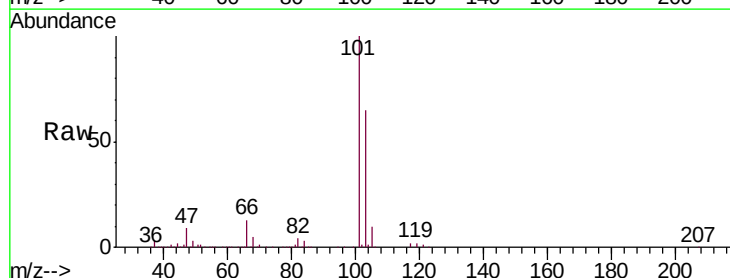
Acq: 30 Nov 2018 10:13

Tgt Ion: 101 Resp: 534168

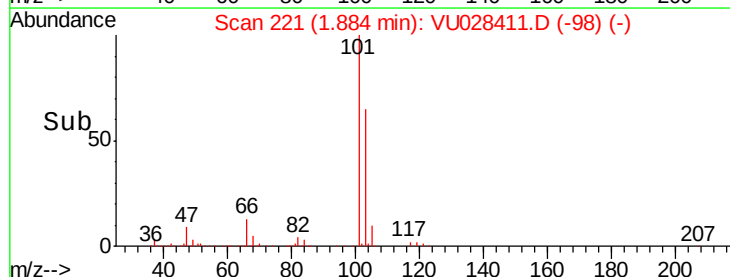
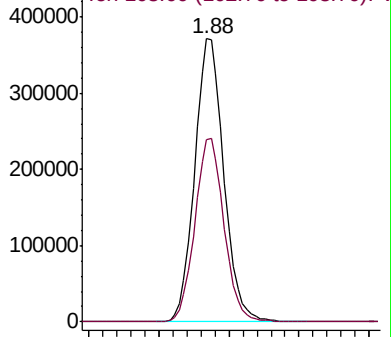
Ion Ratio Lower Upper

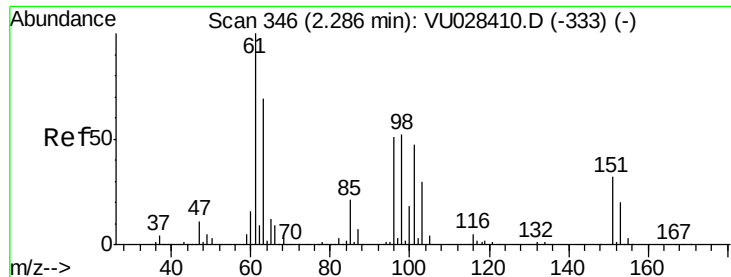
101 100

103 65.1 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU028410.D (-210) (-)





#10

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

Concen: 98.505 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampled :

VSTD10056

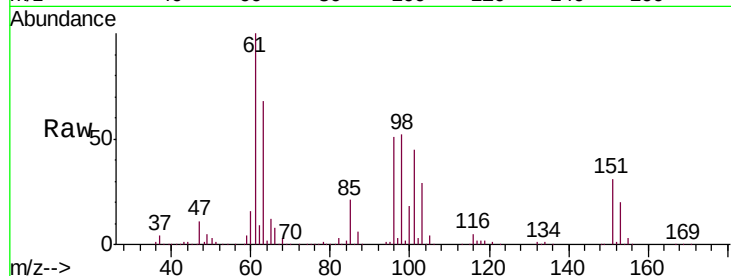
Tgt Ion: 101 Resp: 308806

Ion Ratio Lower Upper

101 100

85 46.1 36.5 54.7

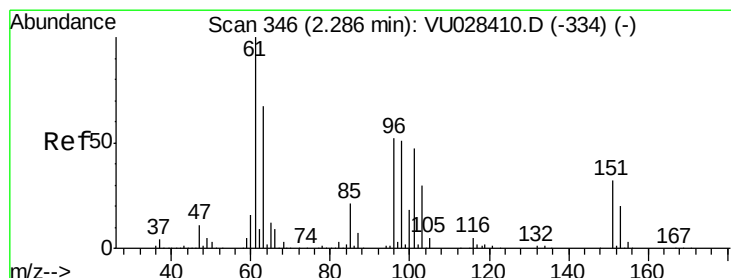
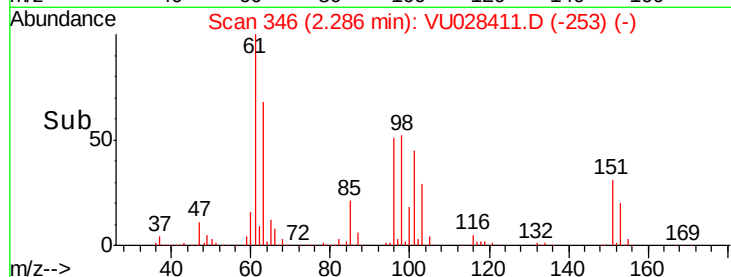
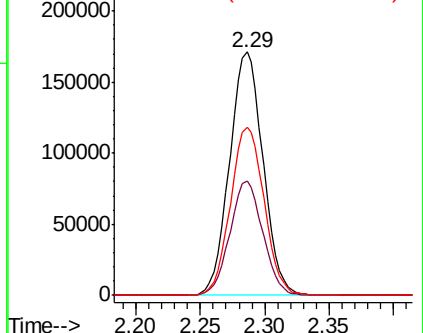
151 69.6 55.0 82.6



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: 100.226 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

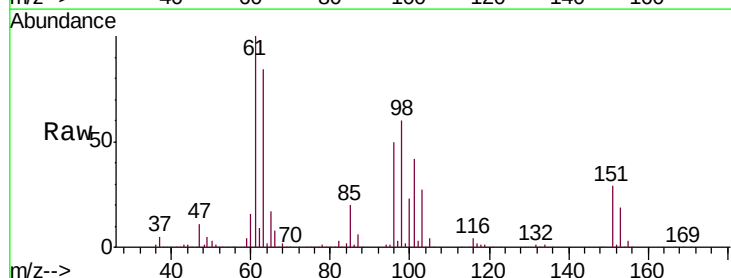
Tgt Ion: 96 Resp: 303525

Ion Ratio Lower Upper

96 100

61 201.6 136.2 252.9

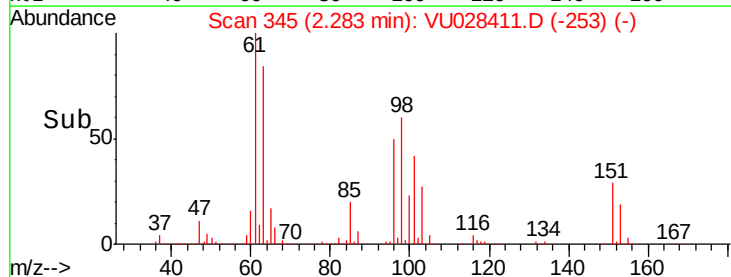
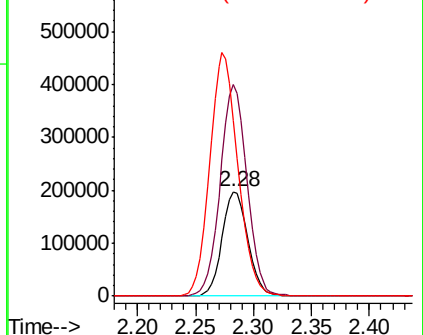
63 168.4 95.5 177.4

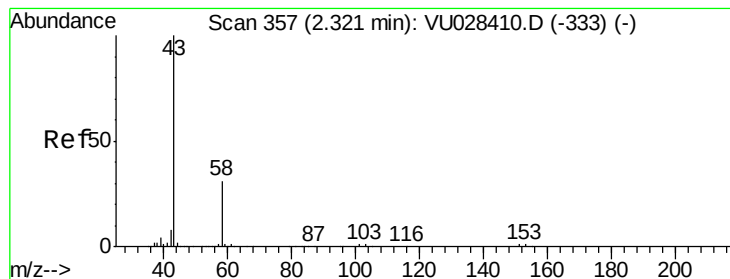


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 176.795 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028411.D

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MSVOA_U

ClientSampleId :

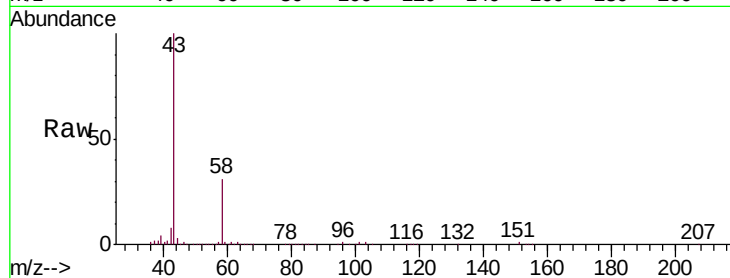
VSTD10056

Tgt Ion: 43 Resp: 648070

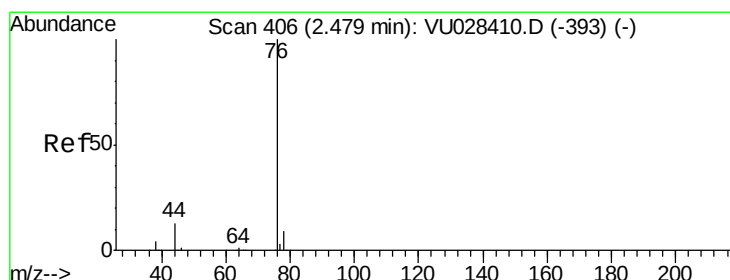
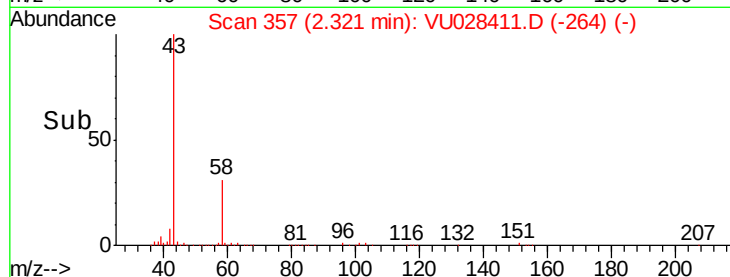
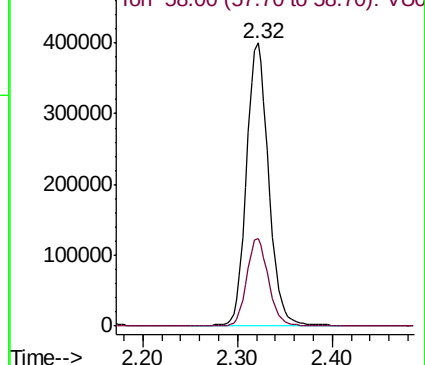
Ion Ratio Lower Upper

43 100

58 30.6 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU028411.D (-333) (-)



#14

Carbon disulfide

Concen: 100.186 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028411.D

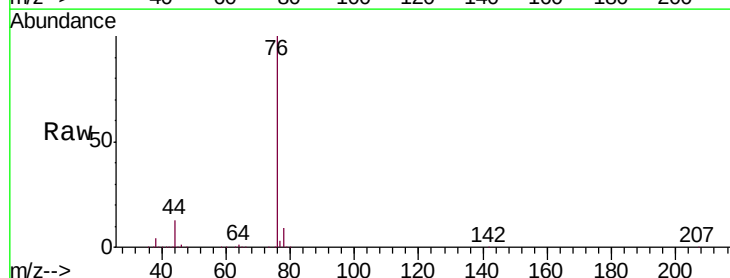
Acq: 30 Nov 2018 10:13

Tgt Ion: 76 Resp: 1148660

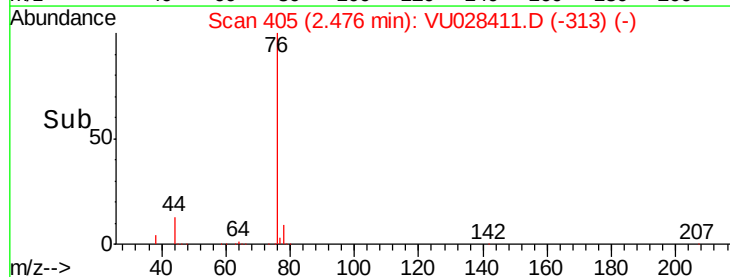
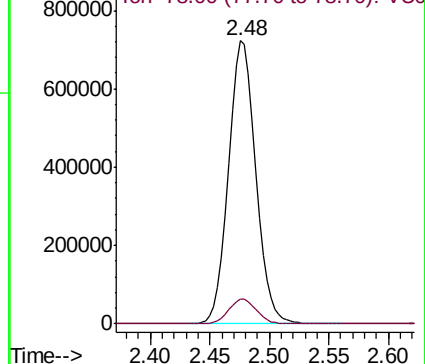
Ion Ratio Lower Upper

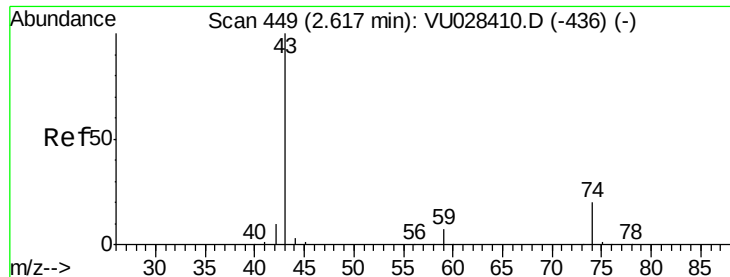
76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU028411.D (-393) (-)

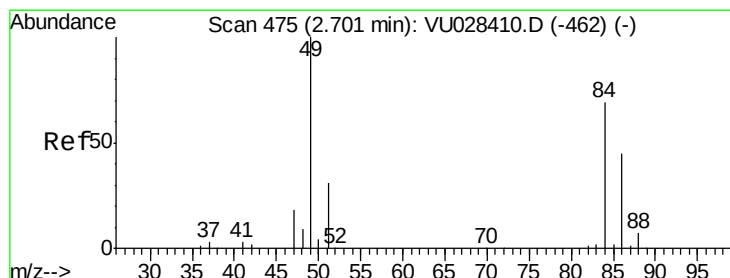
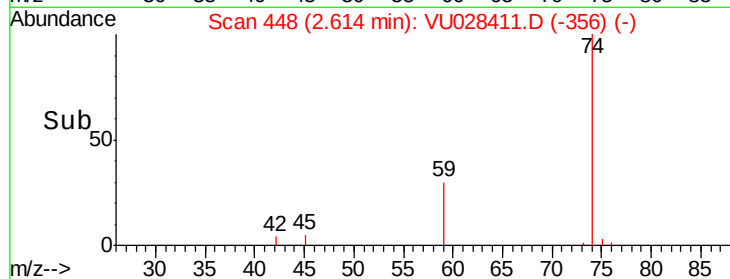
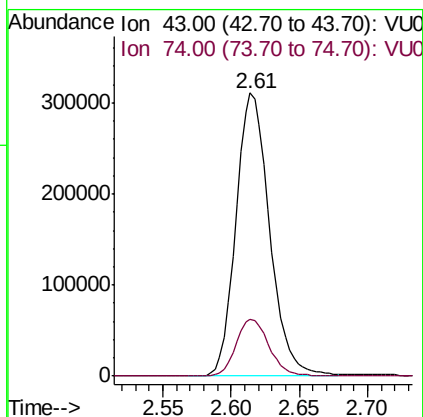
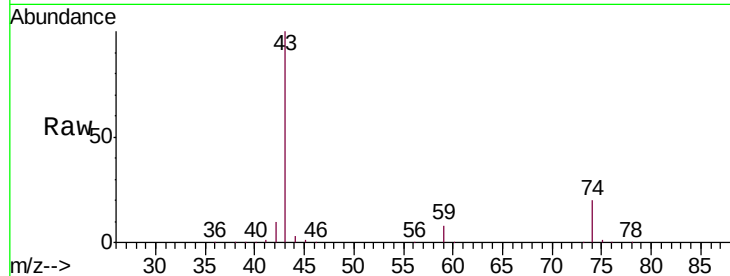




#15
Methyl Acetate
Concen: 97.972 ug/L
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028411.D
Acq: 30 Nov 2018 10:13

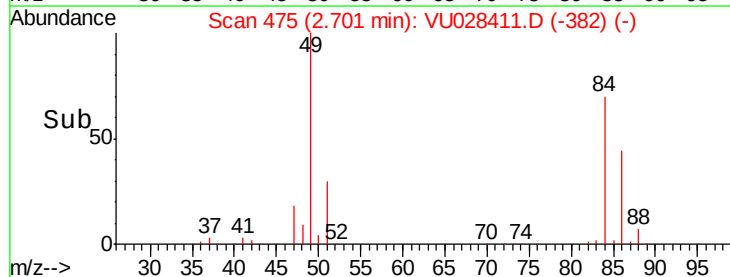
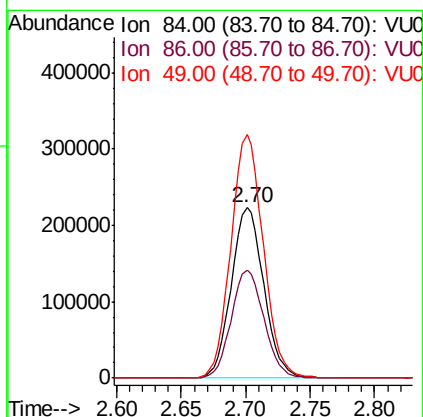
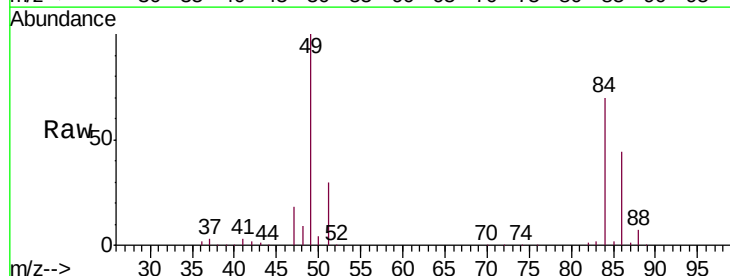
Instrument :
MSVOA_U
ClientSampleId :
VSTD10056

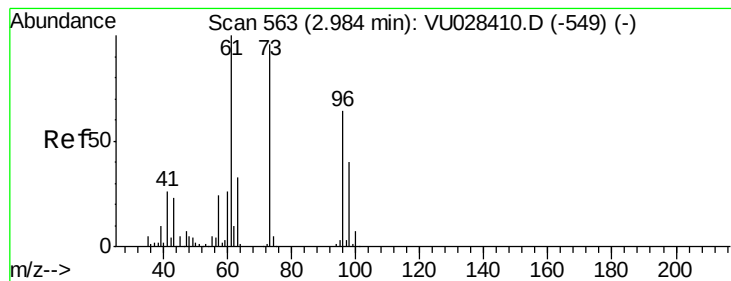
Tgt Ion: 43 Resp: 531318
Ion Ratio Lower Upper
43 100
74 20.0 16.2 24.4



#16
Methylene chloride
Concen: 100.072 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028411.D
Acq: 30 Nov 2018 10:13

Tgt Ion: 84 Resp: 392313
Ion Ratio Lower Upper
84 100
86 63.5 45.6 84.8
49 142.9 101.3 188.1





#17

trans-1,2-Dichloroethene

Concen: 100.384 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10056

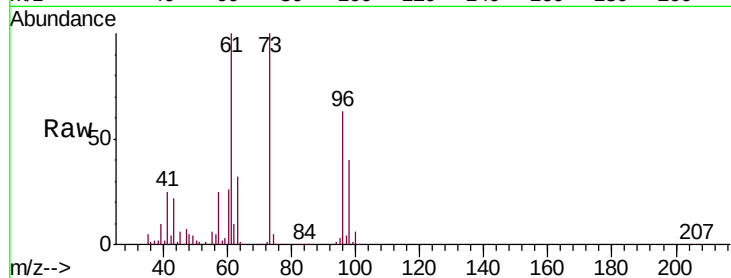
Tgt Ion: 96 Resp: 344520

Ion Ratio Lower Upper

96 100

61 159.0 109.5 203.3

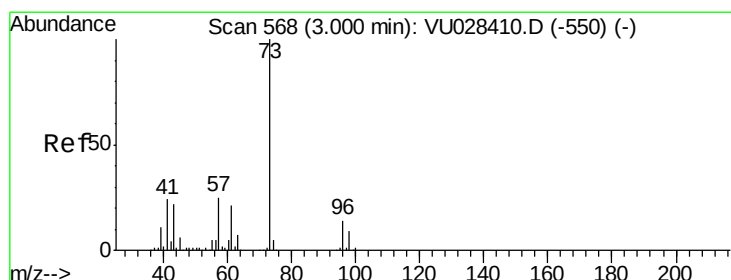
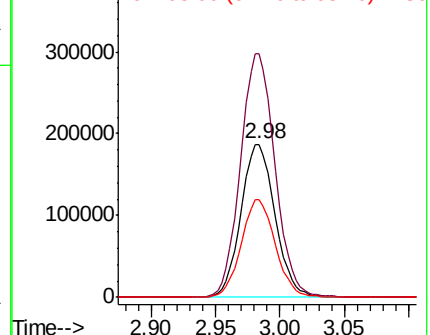
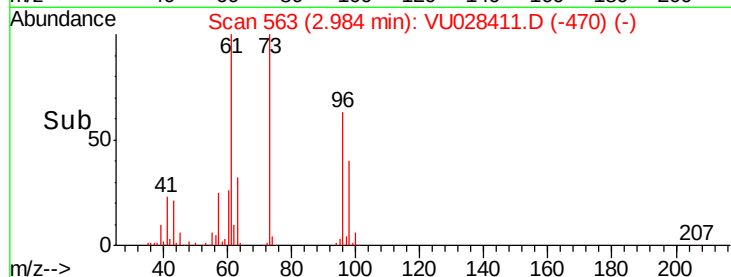
98 63.6 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 99.714 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

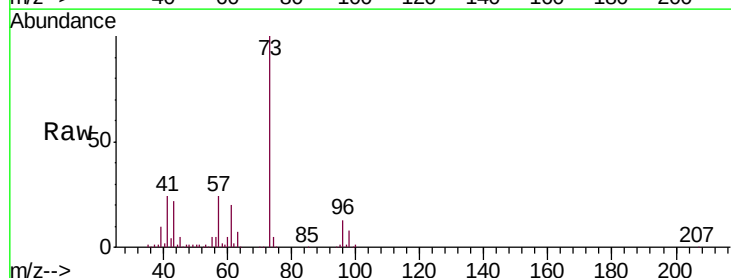
Tgt Ion: 73 Resp: 1189205

Ion Ratio Lower Upper

73 100

43 21.9 17.9 26.9

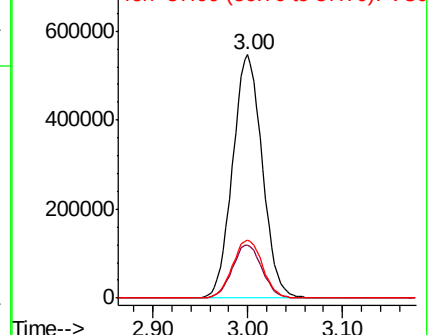
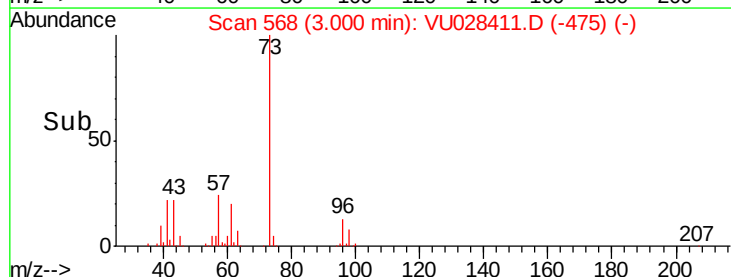
57 24.3 19.7 29.5

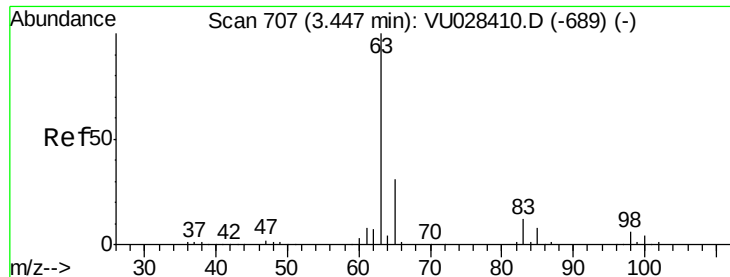


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

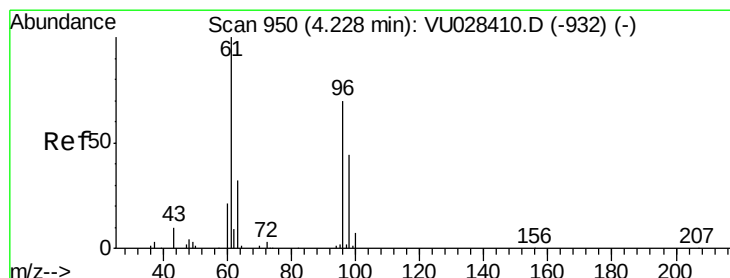
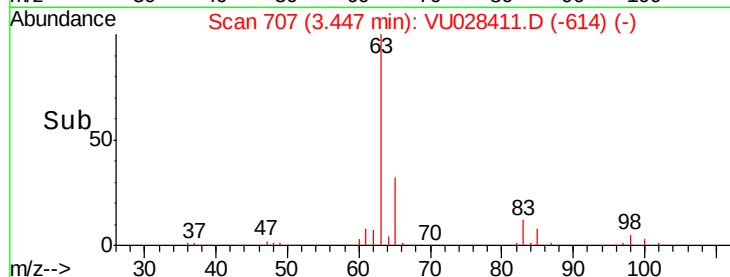
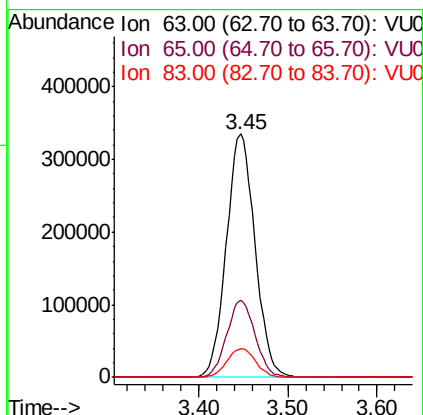
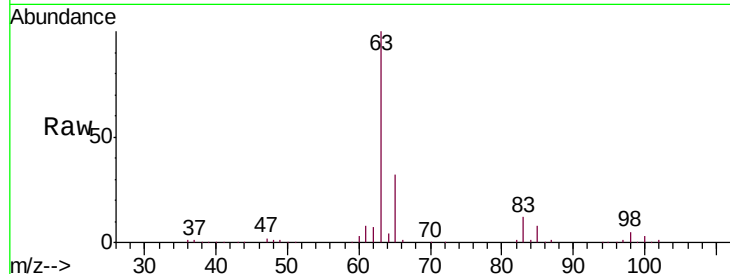




#19
 1,1-Dichloroethane
 Concen: 100.528 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

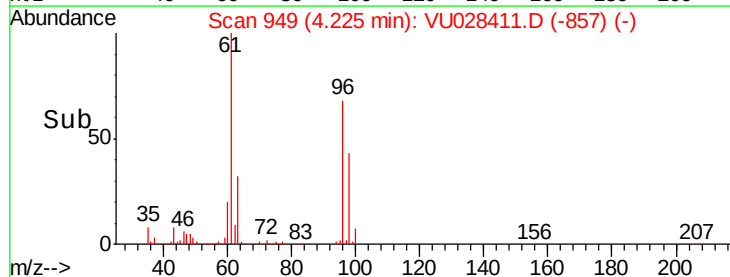
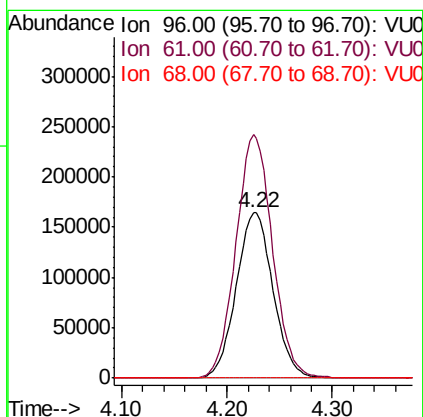
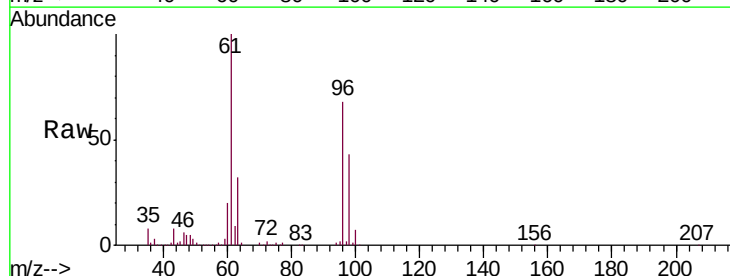
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10056

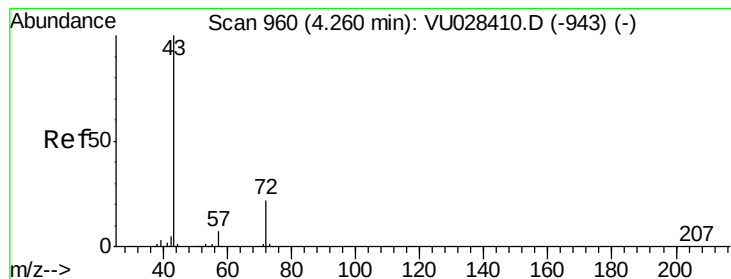
Tgt Ion: 63 Resp: 745286
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.6 40.0
 83 11.8 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 101.048 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

Tgt Ion: 96 Resp: 398863
 Ion Ratio Lower Upper
 96 100
 61 147.2 99.8 185.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 193.547 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

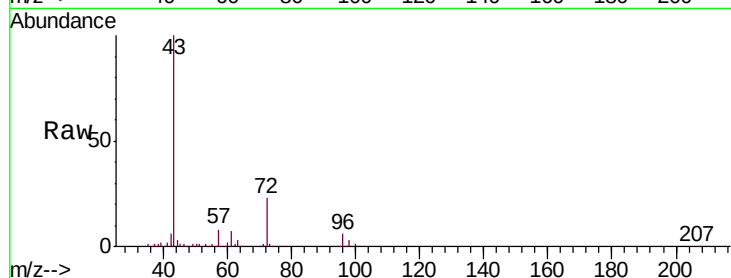
VSTD10056

Tgt Ion: 43 Resp: 888162

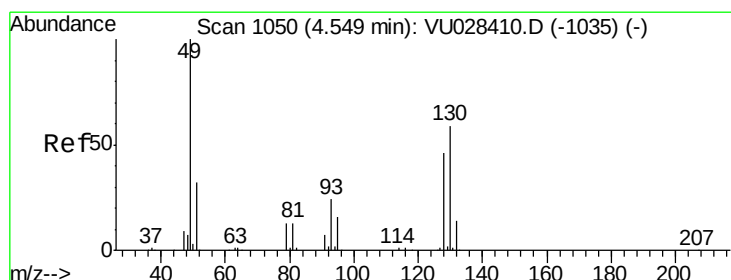
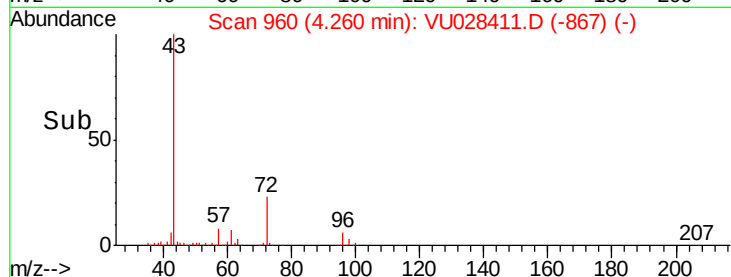
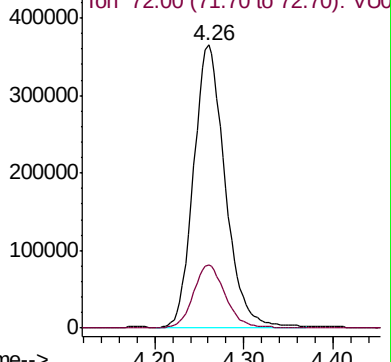
Ion Ratio Lower Upper

43 100

72 23.0 11.3 33.9



Abundance Ion 43.00 (42.70 to 43.70): VU028411.D (-943) (-)



#23

Bromochloromethane

Concen: 100.547 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Tgt Ion: 128 Resp: 173626

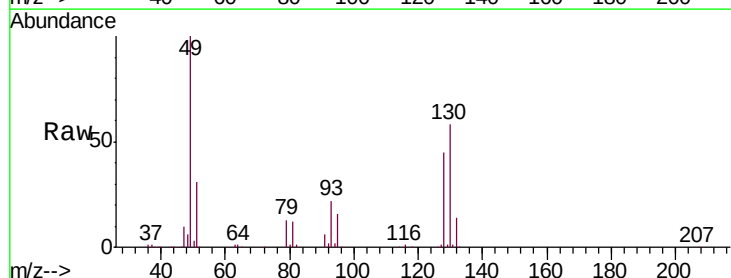
Ion Ratio Lower Upper

128 100

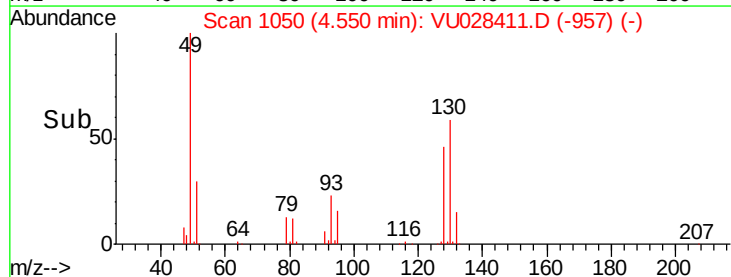
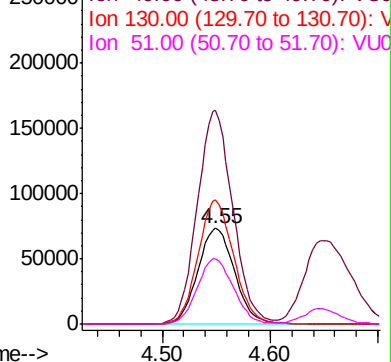
49 223.7 152.5 283.3

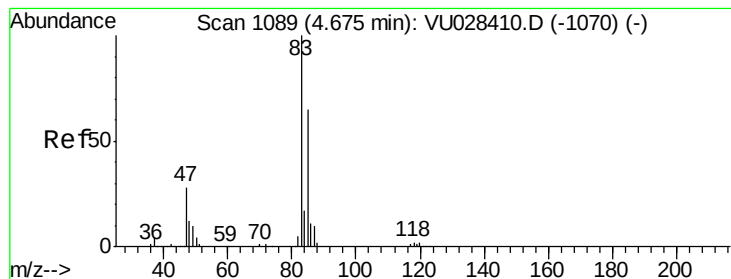
130 130.5 89.8 166.8

51 68.7 56.2 84.2



Abundance Ion 128.00 (127.70 to 128.70): VU028411.D (-957) (-)





#25

Chloroform

Concen: 99.873 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

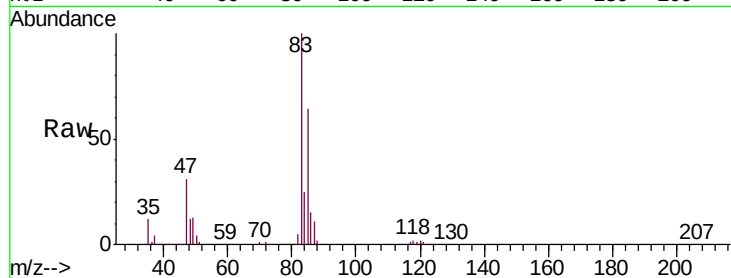
VSTD10056

Tgt Ion: 83 Resp: 677926

Ion Ratio Lower Upper

83 100

85 63.6 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

300000

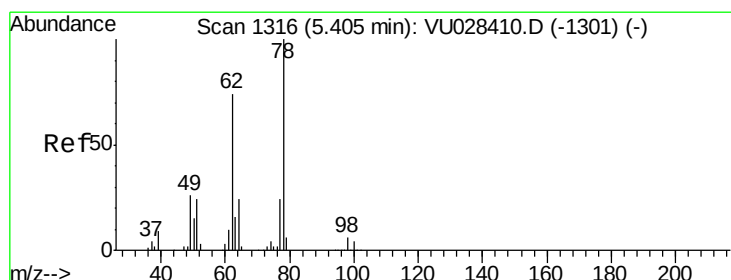
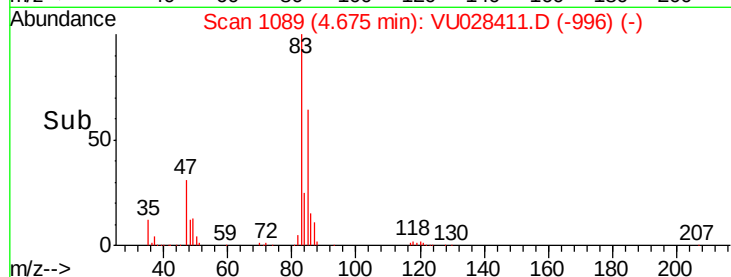
200000

100000

0

4.60 4.70 4.80

Time-->



#27

1,2-Dichloroethane

Concen: 99.799 ug/L

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028411.D

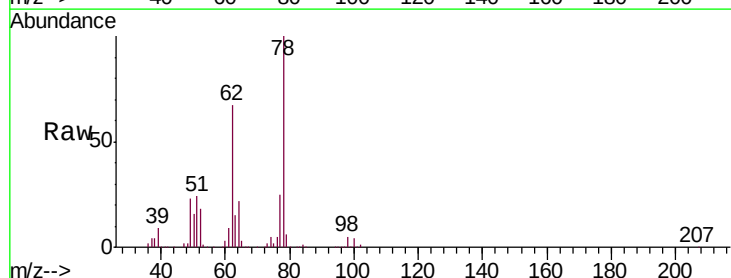
Acq: 30 Nov 2018 10:13

Tgt Ion: 62 Resp: 560801

Ion Ratio Lower Upper

62 100

98 8.2 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

300000

250000

200000

150000

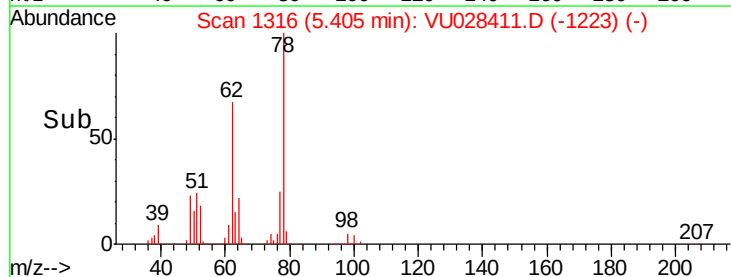
100000

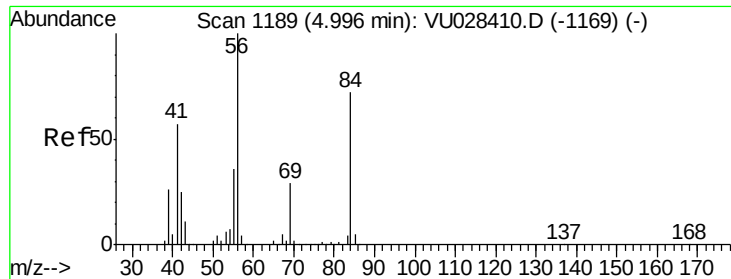
50000

0

5.30 5.40 5.50

Time-->

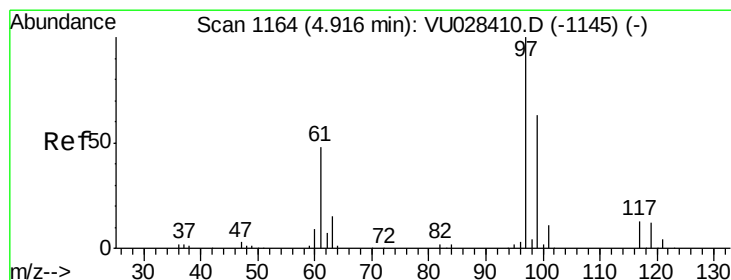
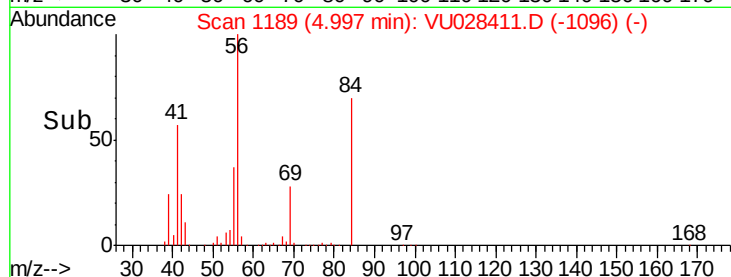
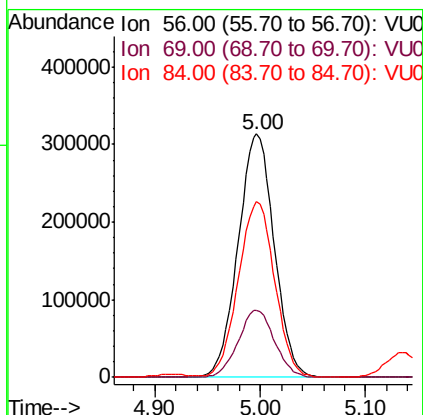
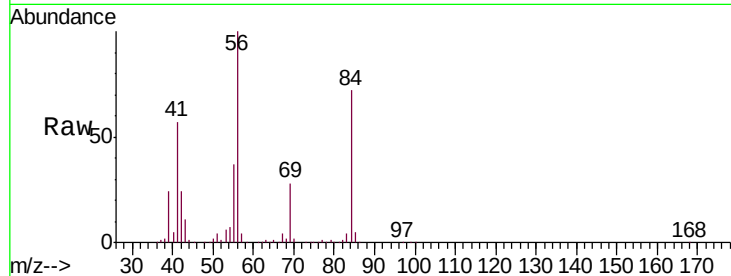




#29
Cyclohexane
Concen: 99.294 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028411.D
Acq: 30 Nov 2018 10:13

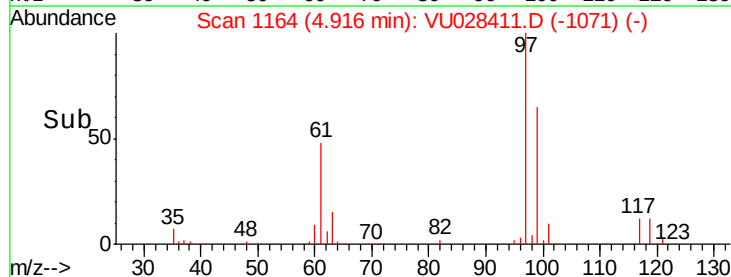
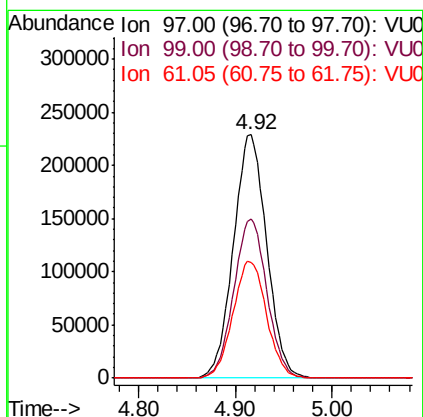
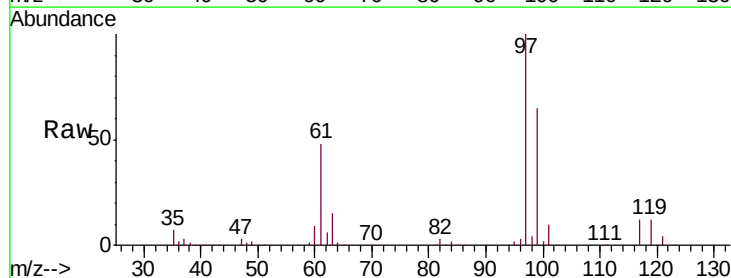
Instrument :
MSVOA_U
ClientSampleId :
VSTD10056

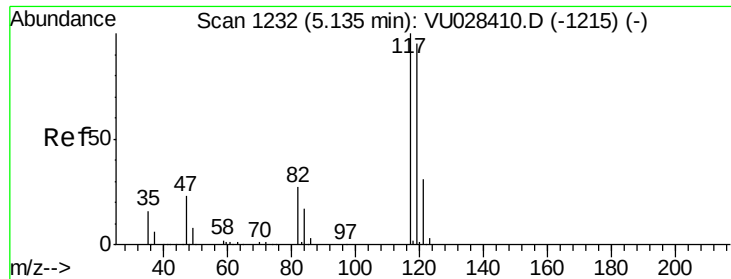
Tgt Ion: 56 Resp: 746669
Ion Ratio Lower Upper
56 100
69 27.7 22.5 33.7
84 72.7 56.6 85.0



#30
1,1,1-Trichloroethane
Concen: 99.682 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028411.D
Acq: 30 Nov 2018 10:13

Tgt Ion: 97 Resp: 546713
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.0
61 48.5 39.3 58.9





#31

Carbon tetrachloride

Concen: 99.380 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

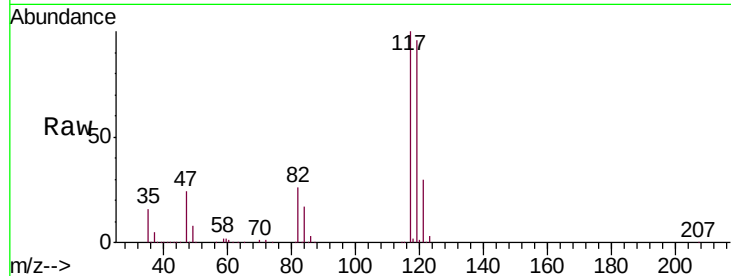
VSTD10056

Tgt Ion:117 Resp: 439014

Ion Ratio Lower Upper

117 100

119 95.6 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

200000

150000

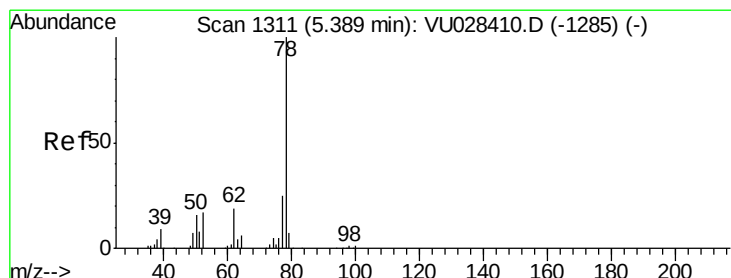
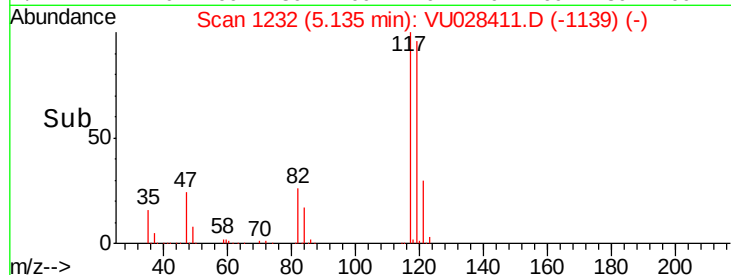
100000

50000

0

5.05 5.10 5.15 5.20 5.25

Time-->



#33

Benzene

Concen: 99.596 ug/L

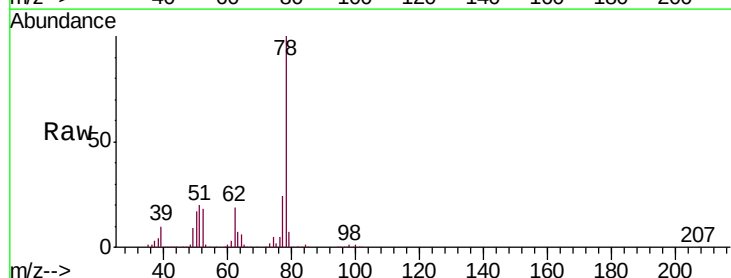
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Tgt Ion: 78 Resp: 1585217



Abundance Ion 78.00 (77.70 to 78.70): VU0

800000

600000

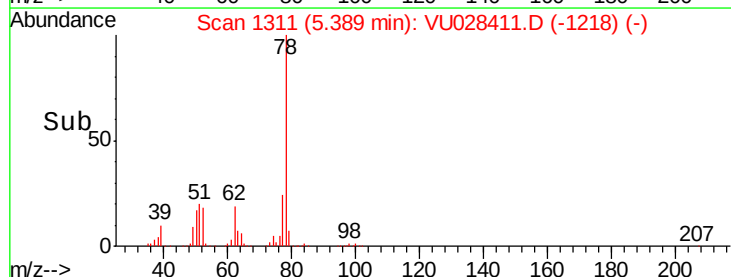
400000

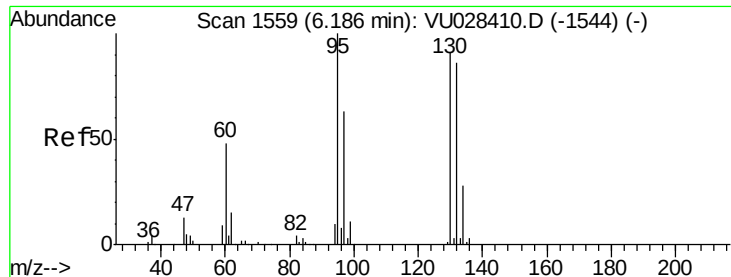
200000

0

5.30 5.40 5.50

Time-->





#34

Trichloroethene

Concen: 100.219 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10056

Tgt Ion: 95 Resp: 381412

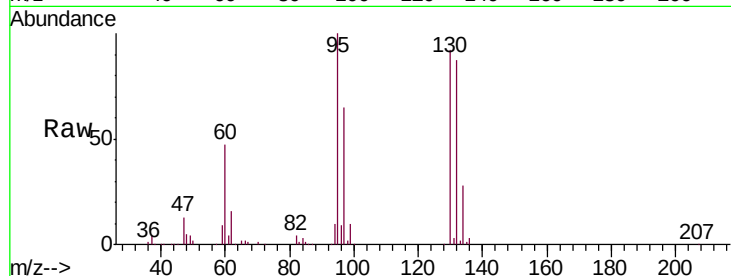
Ion Ratio Lower Upper

95 100

97 64.9 44.1 81.9

132 86.6 60.2 111.8

130 91.8 63.5 117.9



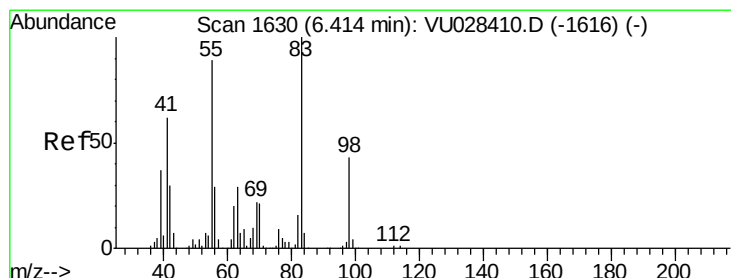
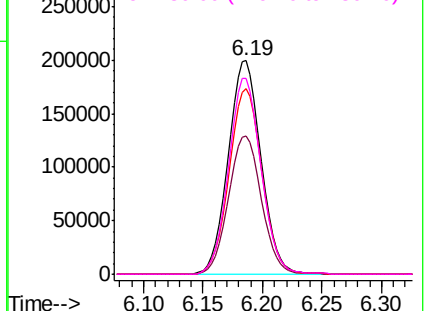
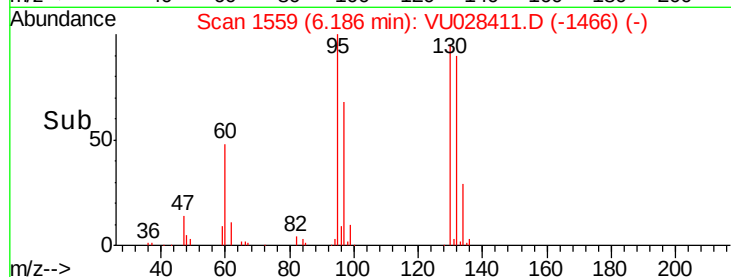
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 99.569 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

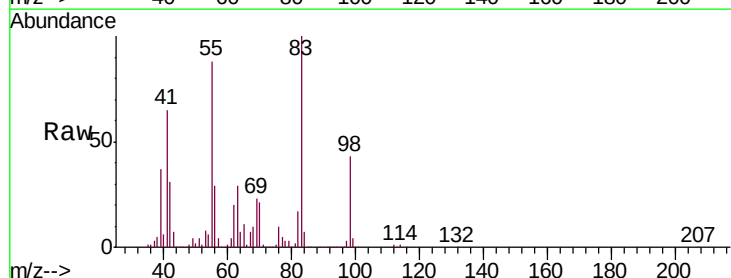
Tgt Ion: 83 Resp: 659639

Ion Ratio Lower Upper

83 100

55 87.9 70.5 105.7

98 42.9 34.6 52.0

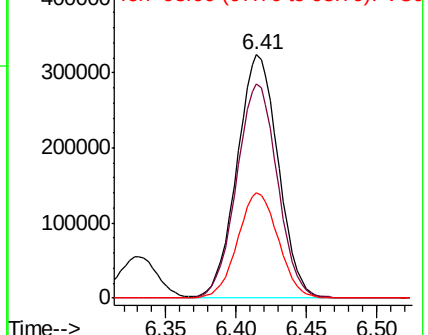
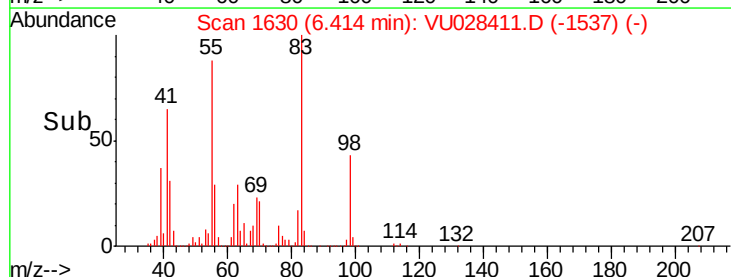


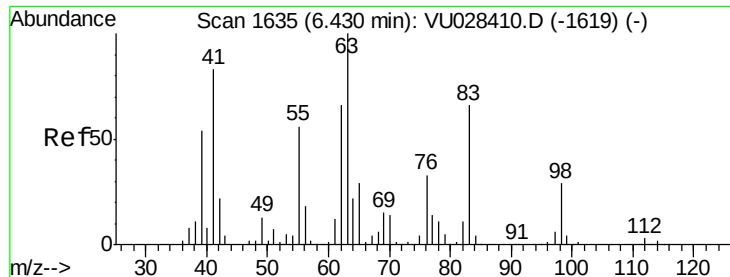
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

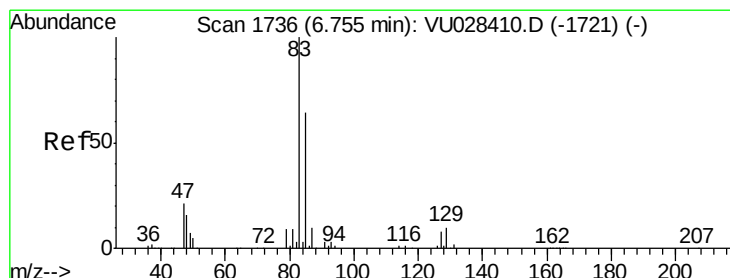
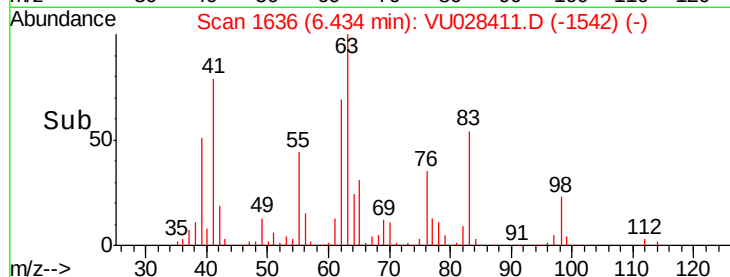
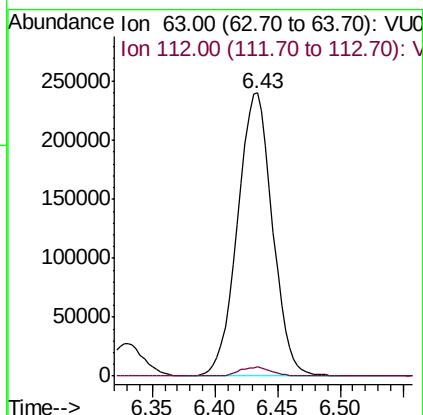
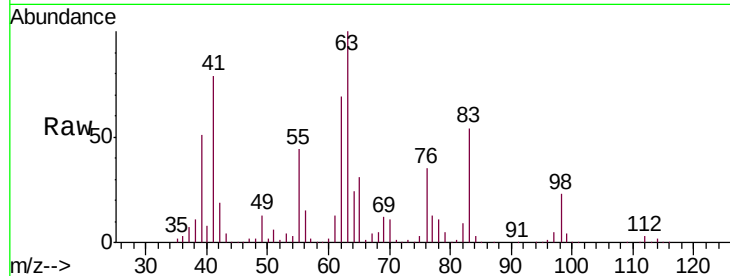




#37
 1,2-Dichloropropane
 Concen: 98.042 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

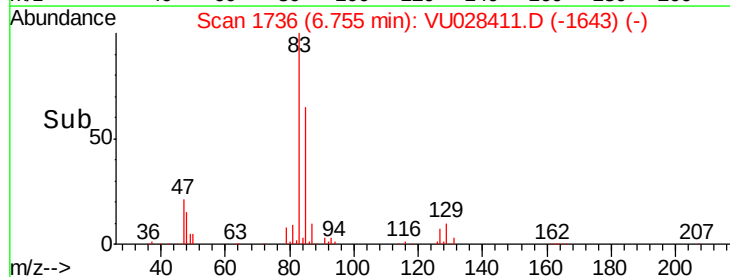
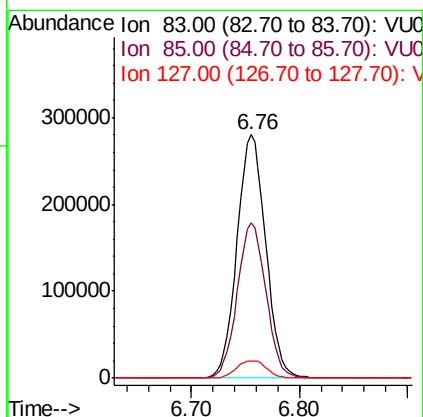
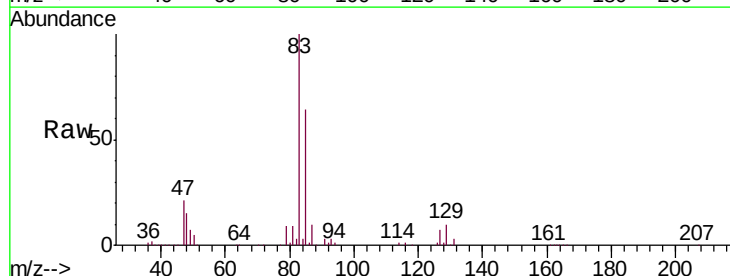
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10056

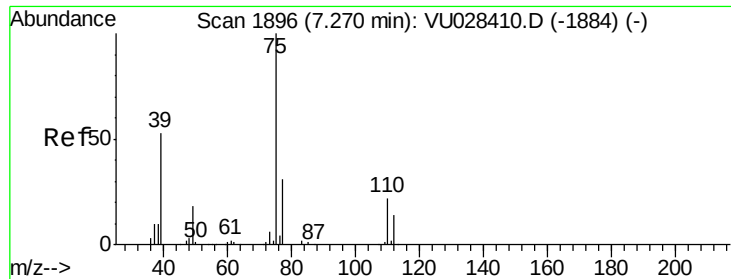
Tgt Ion: 63 Resp: 462686
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.6 3.8



#38
 Bromodichloromethane
 Concen: 99.384 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

Tgt Ion: 83 Resp: 520428
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.9 83.3
 127 7.2 6.0 9.0



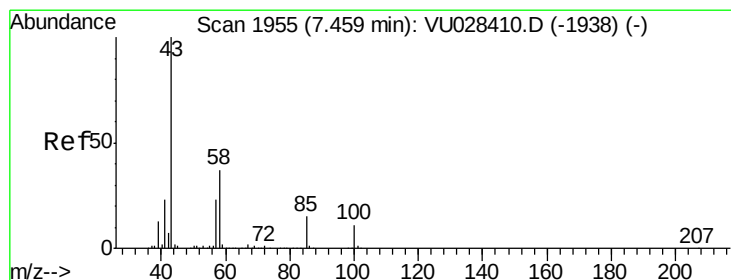
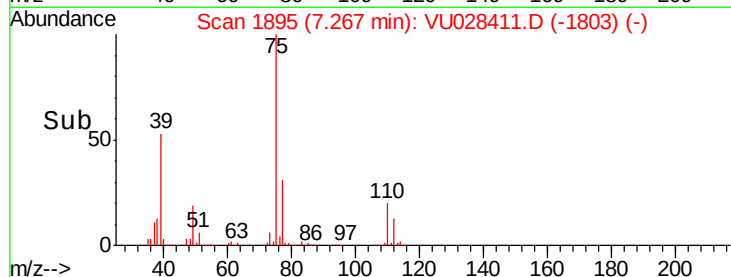
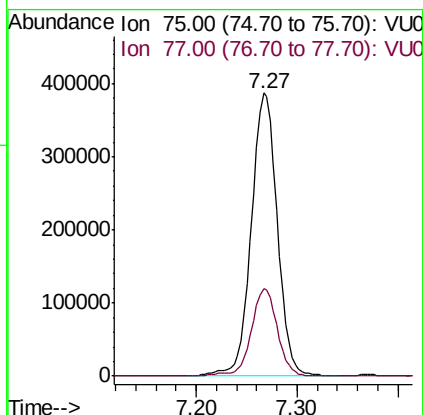
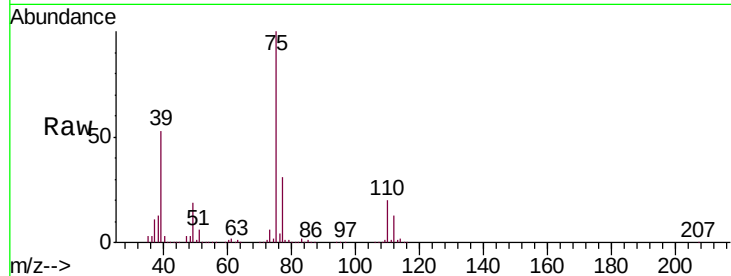


#39

cis-1,3-Dichloropropene
 Concen: 102.782 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10056

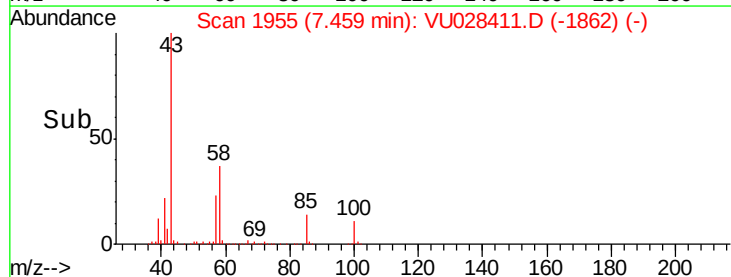
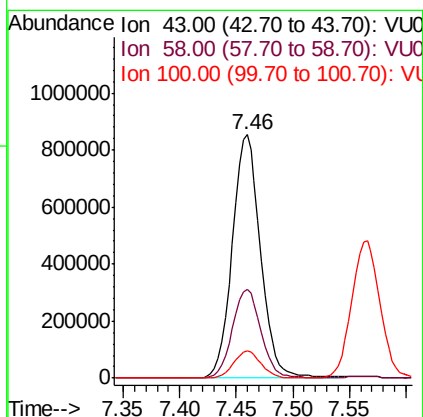
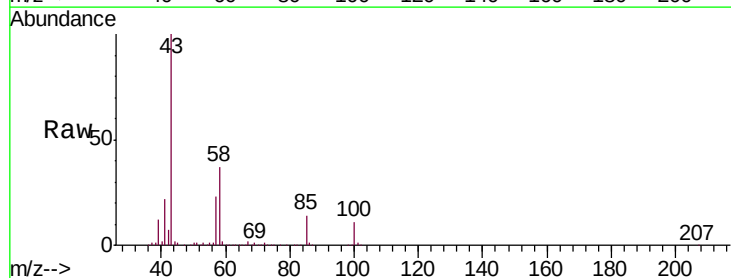
Tgt Ion: 75 Resp: 688714
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.9 40.7

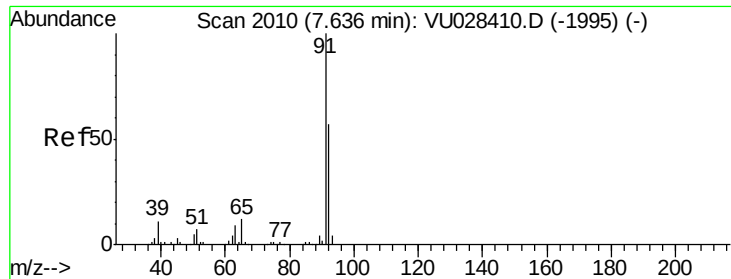


#40

4-Methyl-2-pentanone
 Concen: 198.168 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

Tgt Ion: 43 Resp: 1479018
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.9 44.9
 100 11.0 8.7 13.1





#42

Toluene

Concen: 100.506 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

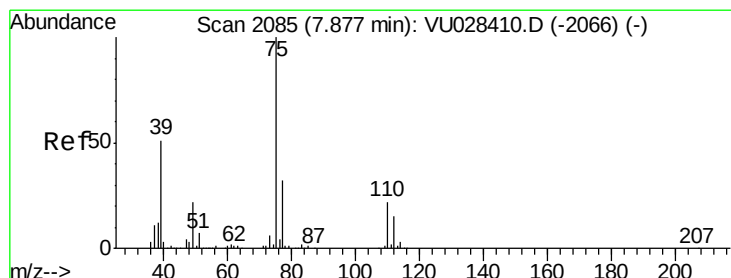
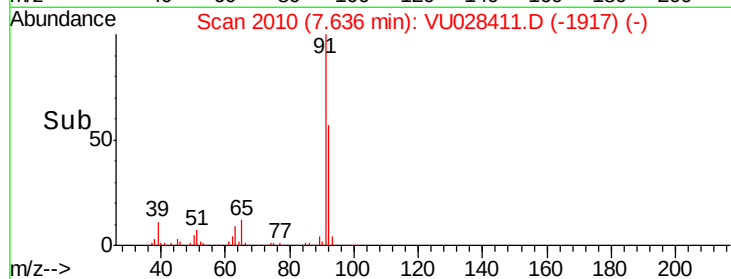
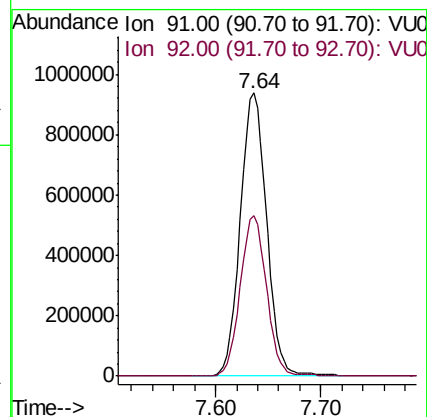
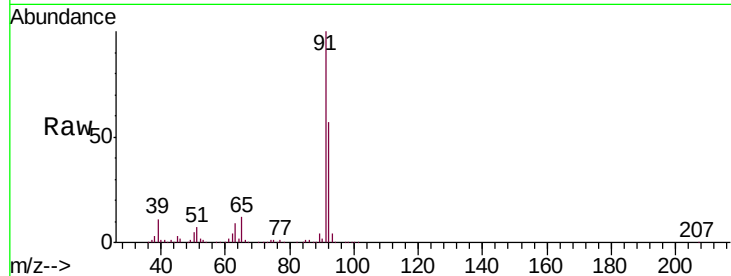
VSTD10056

Tgt Ion: 91 Resp: 1628034

Ion Ratio Lower Upper

91 100

92 56.9 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 102.561 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028411.D

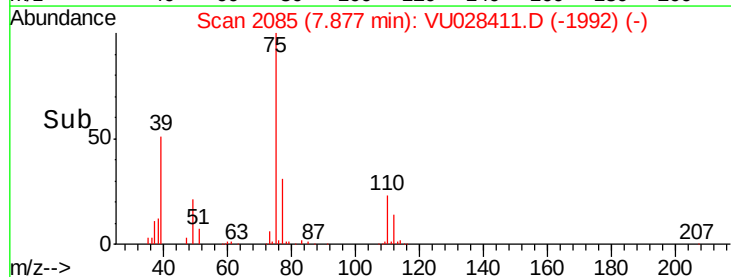
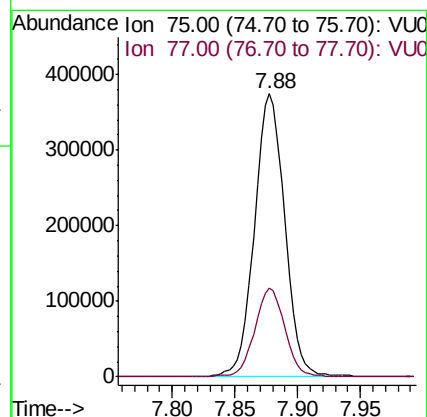
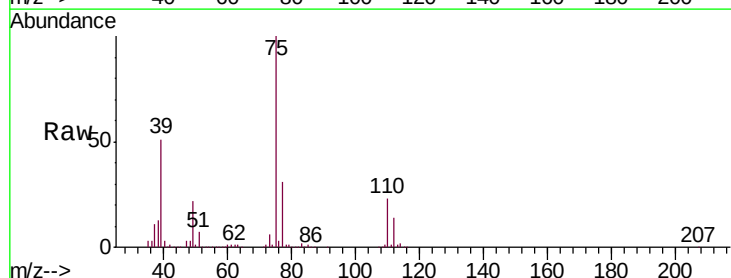
Acq: 30 Nov 2018 10:13

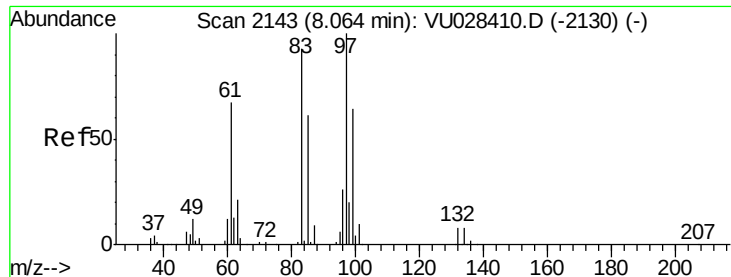
Tgt Ion: 75 Resp: 629724

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1

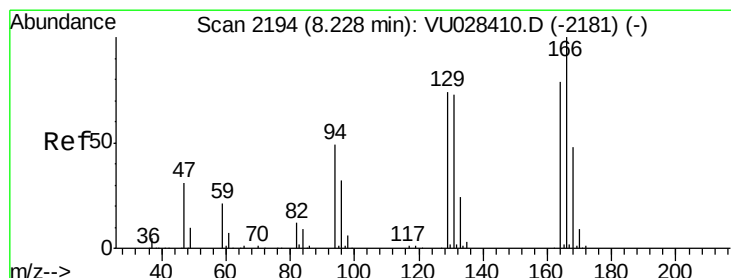
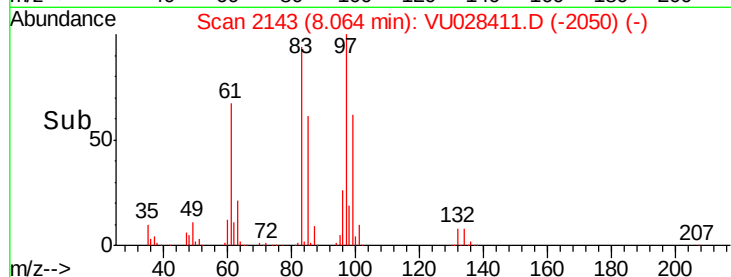
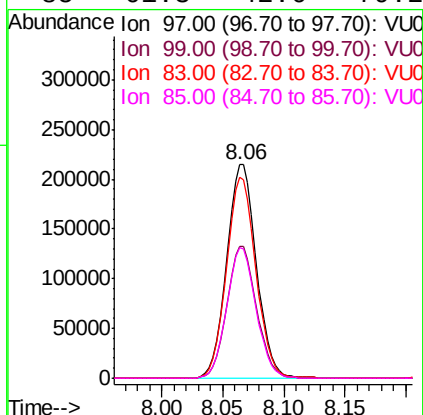
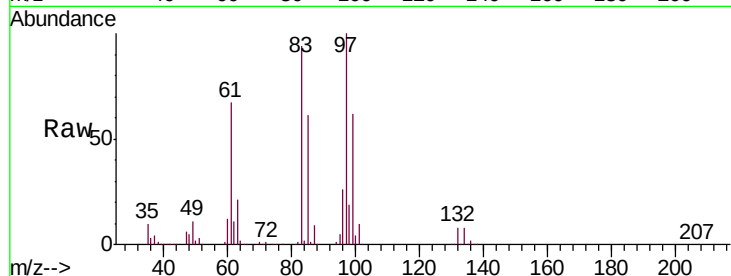




#45
 1,1,2-Trichloroethane
 Concen: 99.837 ug/L
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

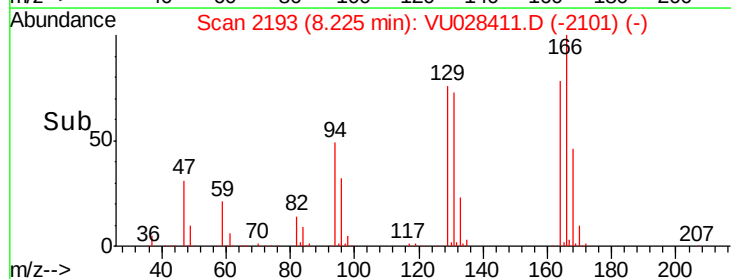
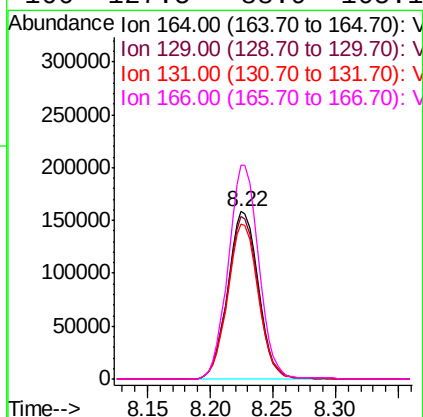
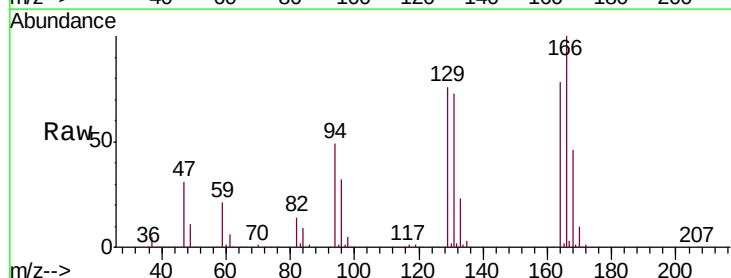
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10056

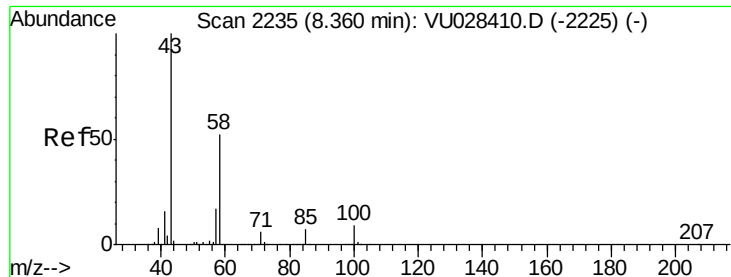
Tgt Ion:	97	Resp:	366393
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.9	83.3
83	94.2	65.1	120.9
85	61.3	42.6	79.2



#46
 Tetrachloroethene
 Concen: 100.654 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

Tgt Ion:	164	Resp:	269383
Ion	Ratio	Lower	Upper
164	100		
129	96.9	65.8	122.2
131	92.7	65.2	121.0
166	127.5	88.9	165.1

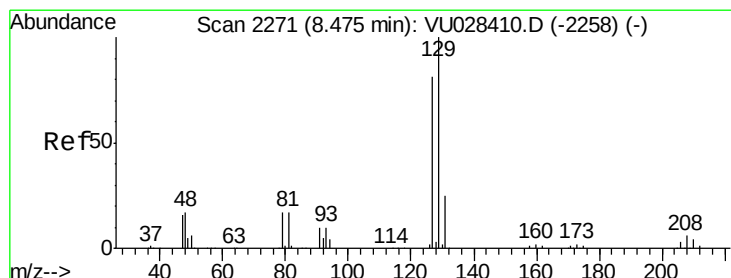
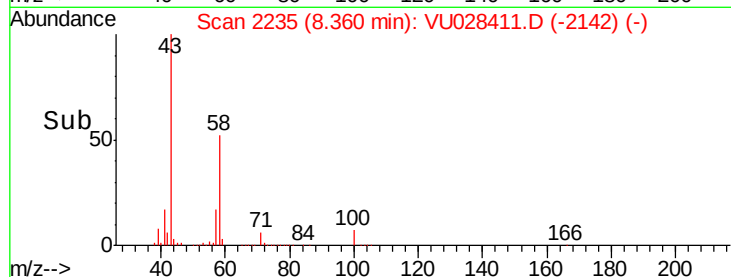
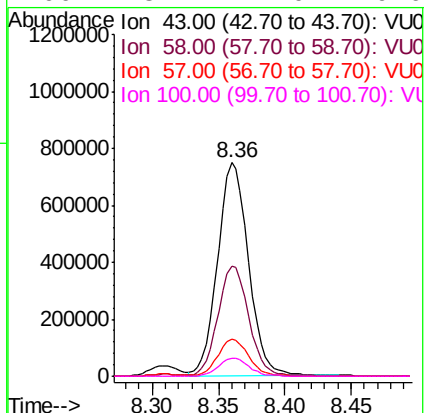
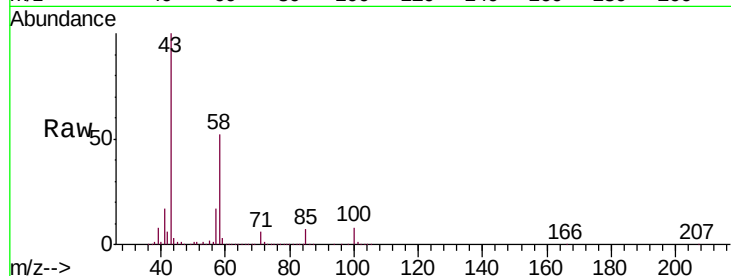




#48
2-Hexanone
Concen: 192.925 ug/L
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028411.D
Acq: 30 Nov 2018 10:13

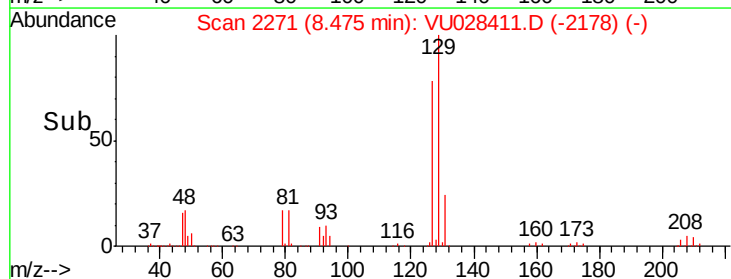
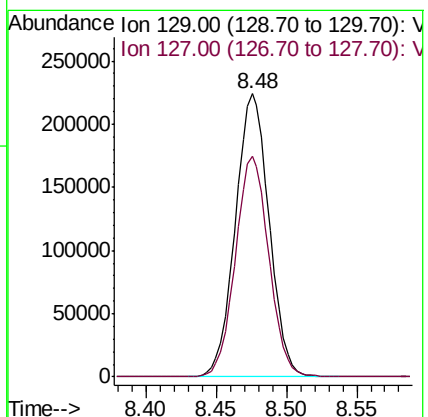
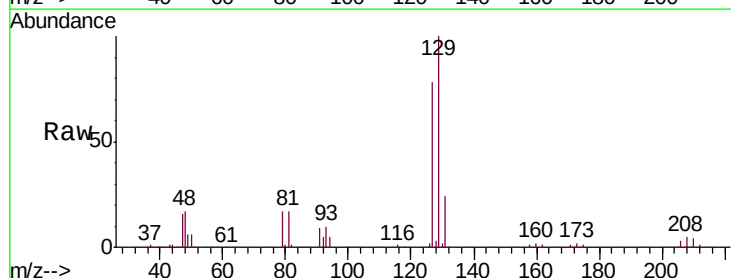
Instrument :
MSVOA_U
ClientSampleId :
VSTD10056

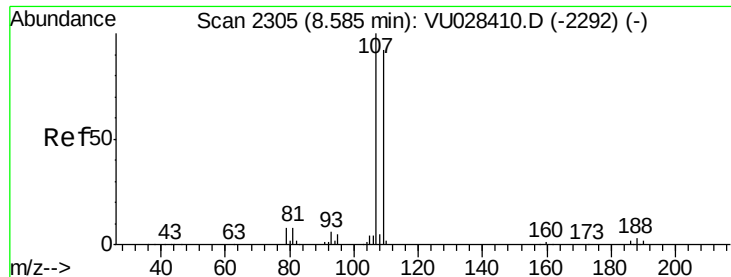
Tgt Ion: 43 Resp: 1209740
Ion Ratio Lower Upper
43 100
58 51.9 41.4 62.0
57 17.5 14.0 21.0
100 8.4 7.0 10.6



#49
Dibromochloromethane
Concen: 100.328 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028411.D
Acq: 30 Nov 2018 10:13

Tgt Ion: 129 Resp: 376630
Ion Ratio Lower Upper
129 100
127 78.0 56.8 105.4





#50

1,2-Dibromoethane

Concen: 99.404 ug/L

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10056

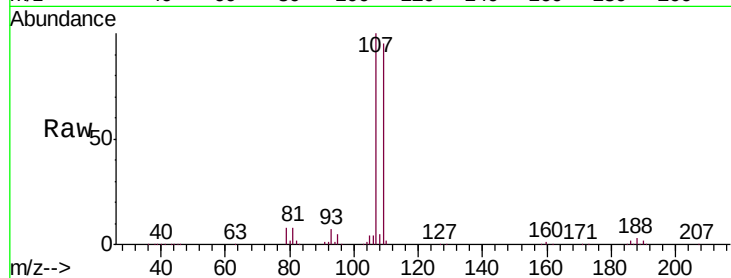
Tgt Ion:107 Resp: 392128

Ion Ratio Lower Upper

107 100

109 94.8 64.5 119.7

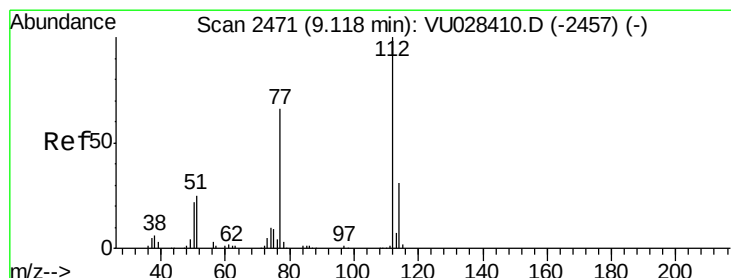
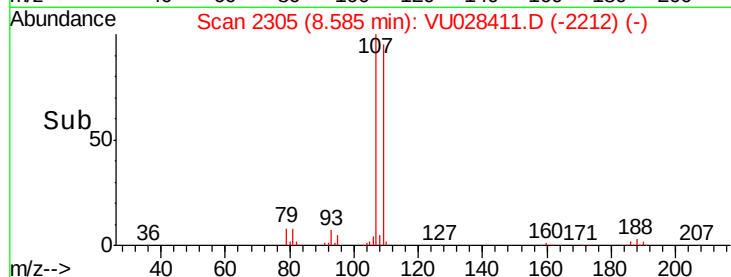
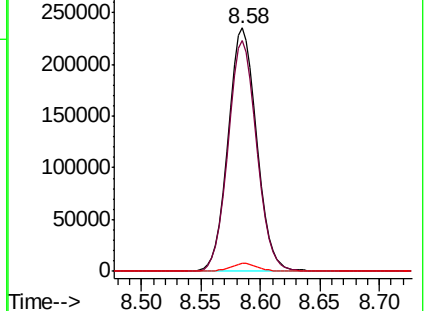
188 3.1 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 99.820 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

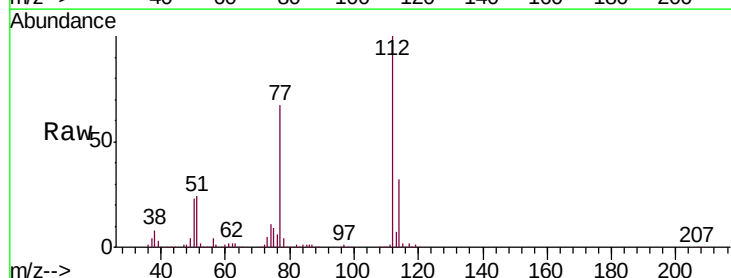
Tgt Ion:112 Resp: 964527

Ion Ratio Lower Upper

112 100

114 31.8 21.6 40.0

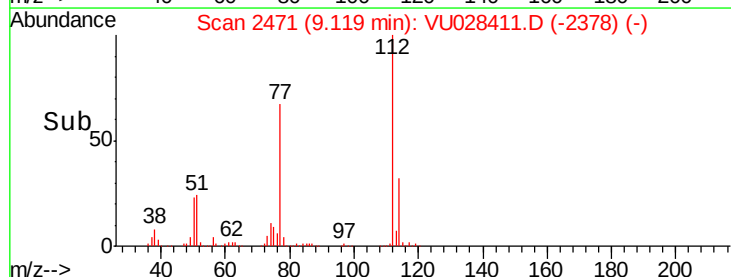
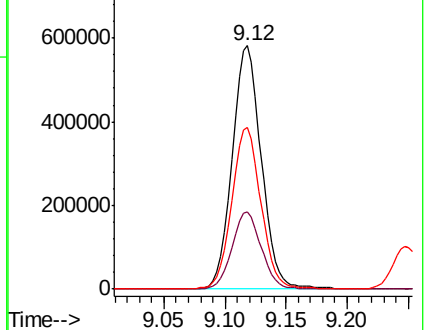
77 66.5 53.0 79.6

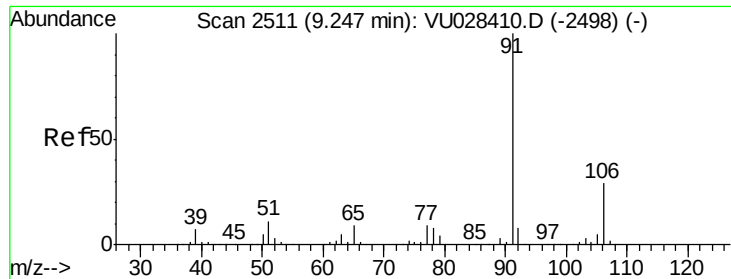


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 100.716 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

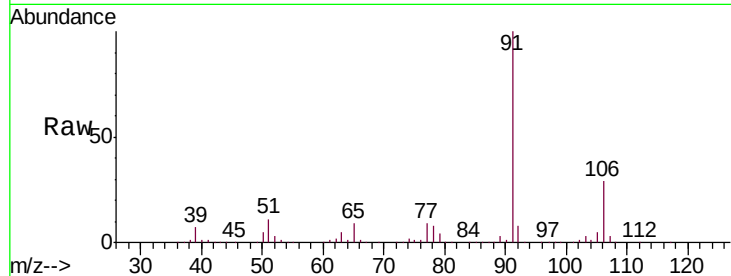
VSTD10056

Tgt Ion: 91 Resp: 1802143

Ion Ratio Lower Upper

91 100

106 29.4 20.2 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU028411.D (-2498) (-)

Ion 106.00 (105.70 to 106.70): VU028411.D (-2498) (-)

9.25

1200000

1000000

800000

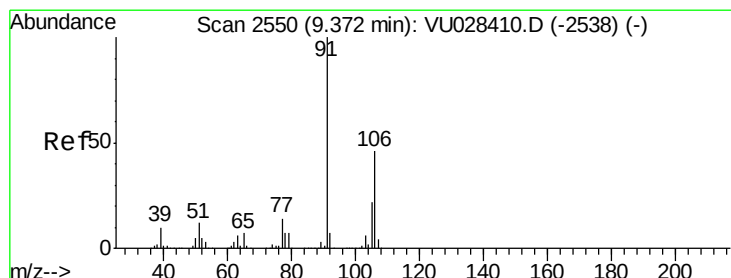
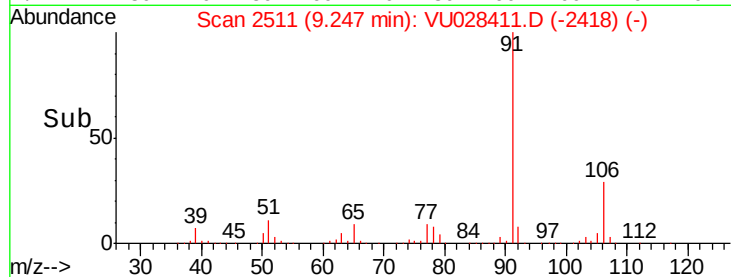
600000

400000

200000

0

Time-->



#53

m,p-Xylene

Concen: 102.169 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028411.D

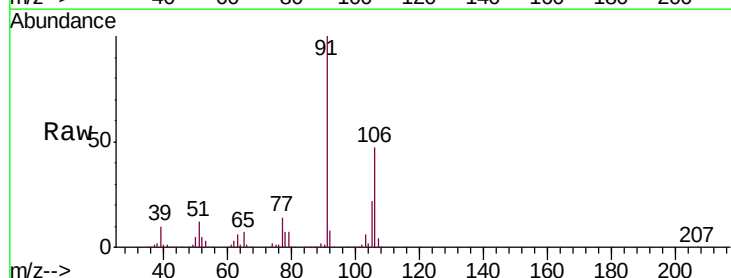
Acq: 30 Nov 2018 10:13

Tgt Ion: 106 Resp: 652033

Ion Ratio Lower Upper

106 100

91 214.6 152.9 283.9



Abundance Ion 106.00 (105.70 to 106.70): VU028411.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU028411.D (-2538) (-)

9.37

1000000

800000

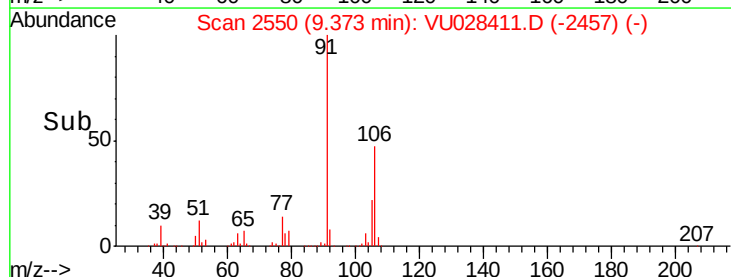
600000

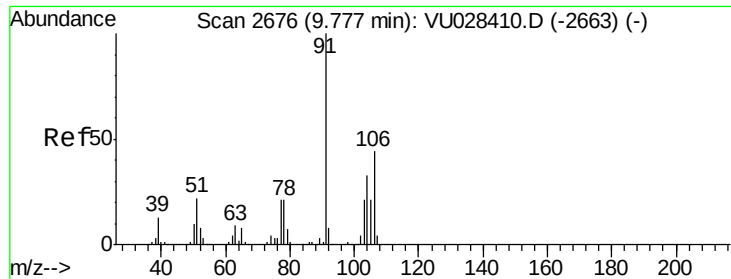
400000

200000

0

Time-->





#54

o-xylene

Concen: 101.716 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

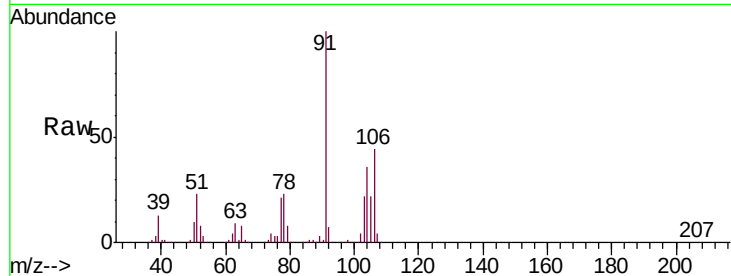
VSTD10056

Tgt Ion:106 Resp: 642961

Ion Ratio Lower Upper

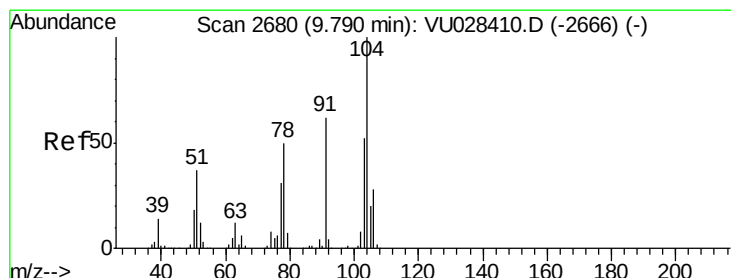
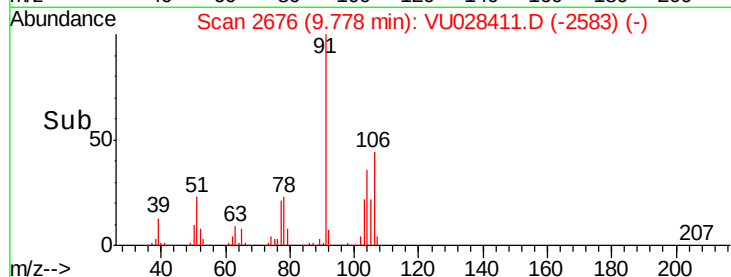
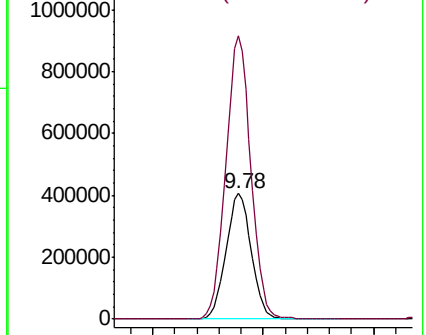
106 100

91 225.5 158.4 294.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 103.436 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VU028411.D

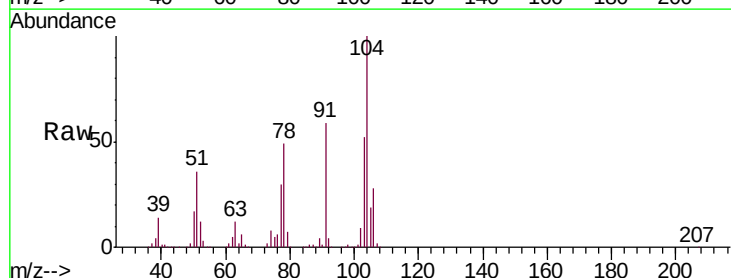
Acq: 30 Nov 2018 10:13

Tgt Ion:104 Resp: 1120218

Ion Ratio Lower Upper

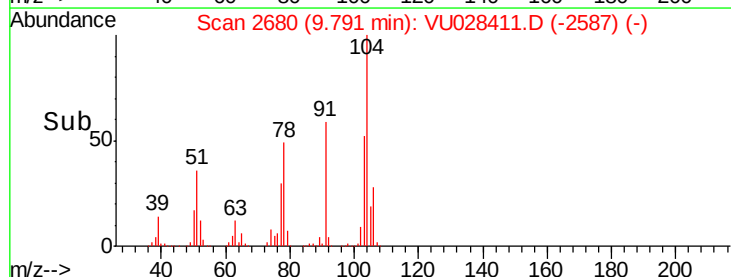
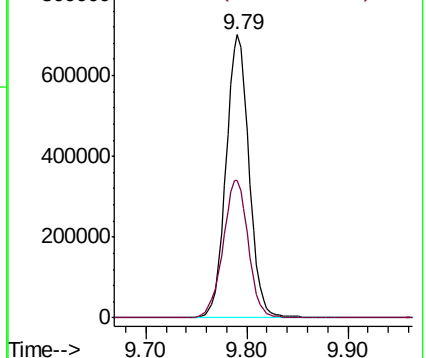
104 100

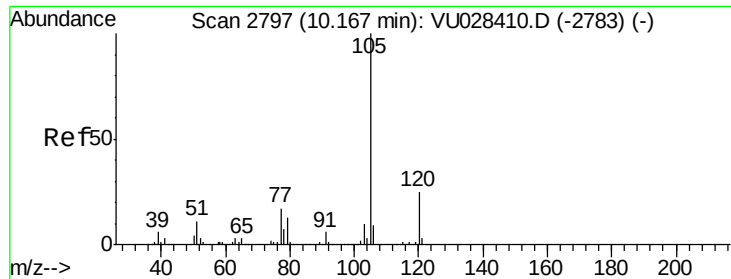
78 48.7 35.0 65.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 100.871 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampled :

VSTD10056

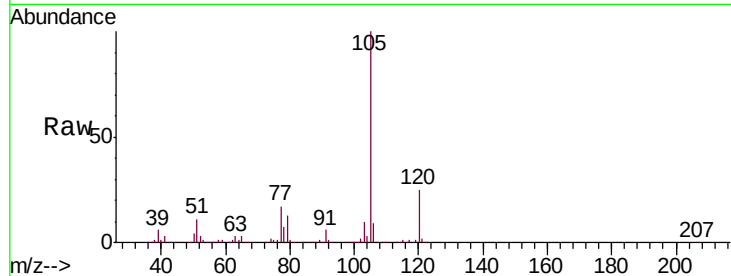
Tgt Ion:105 Resp: 1682096

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

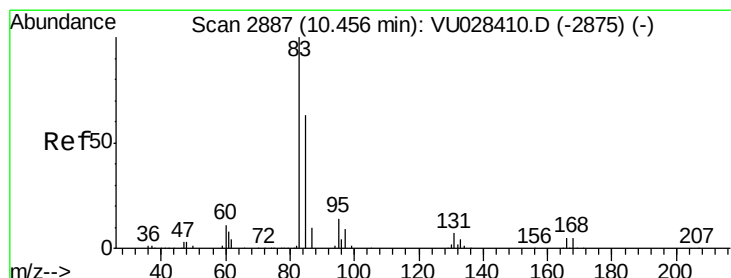
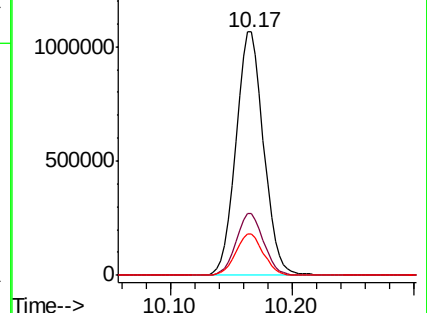
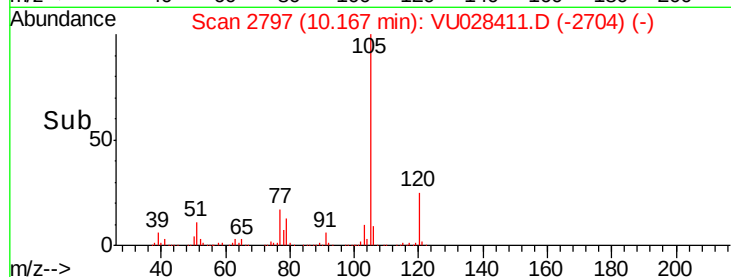
77 16.9 13.4 20.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 100.286 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

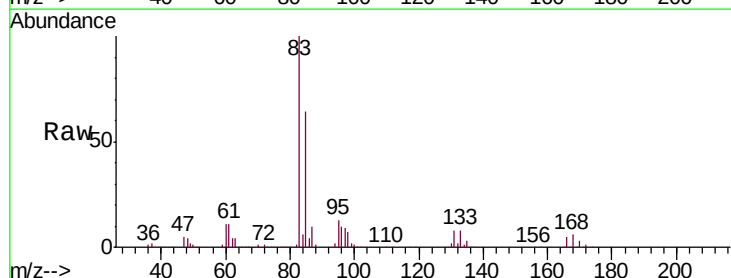
Tgt Ion: 83 Resp: 686543

Ion Ratio Lower Upper

83 100

85 63.6 44.7 83.1

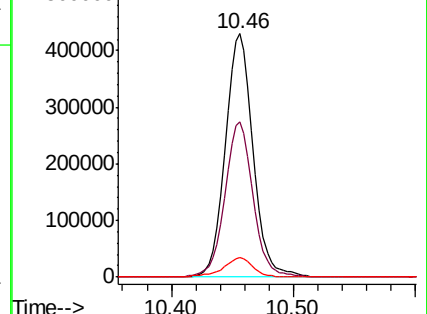
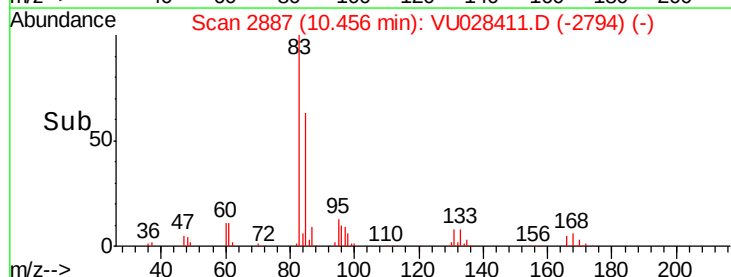
131 8.1 6.5 9.7

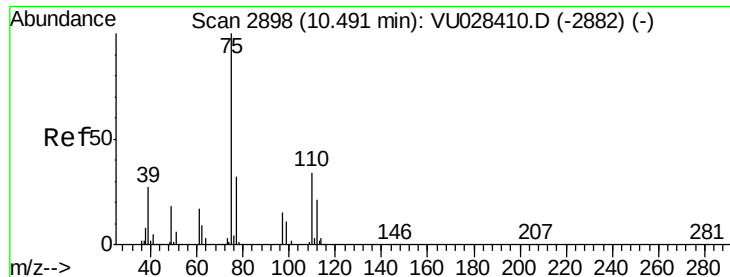


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 99.377 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

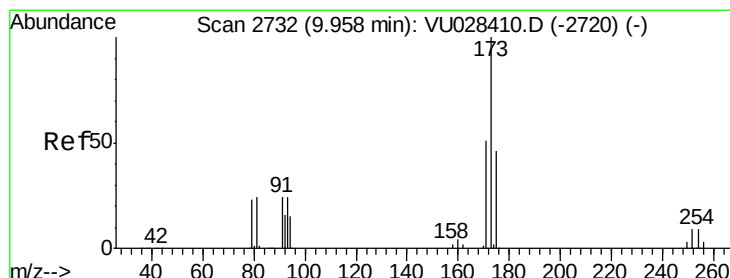
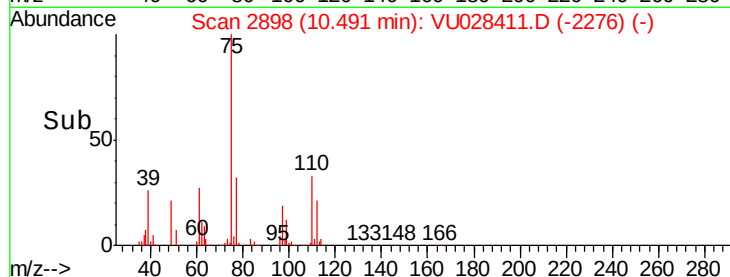
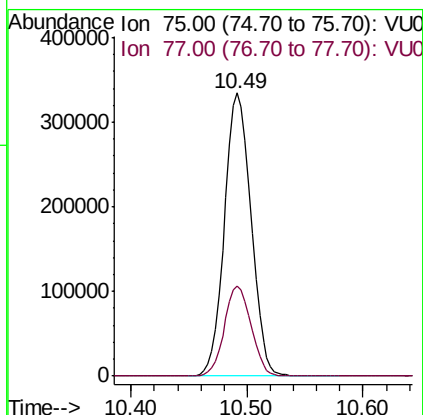
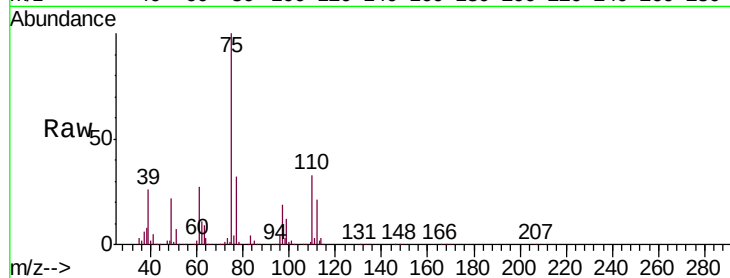
VSTD10056

Tgt Ion: 75 Resp: 532358

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#61

Bromoform

Concen: 98.849 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

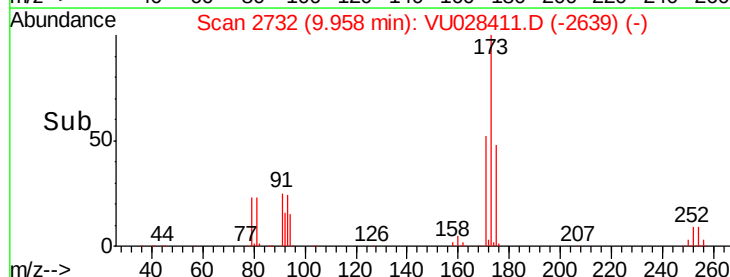
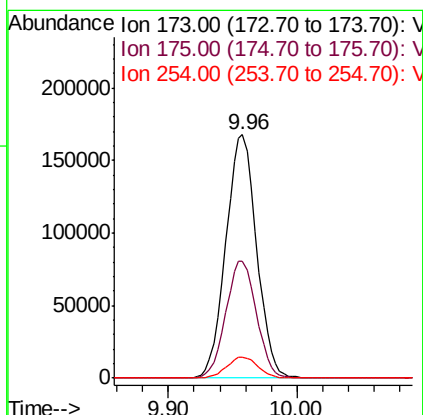
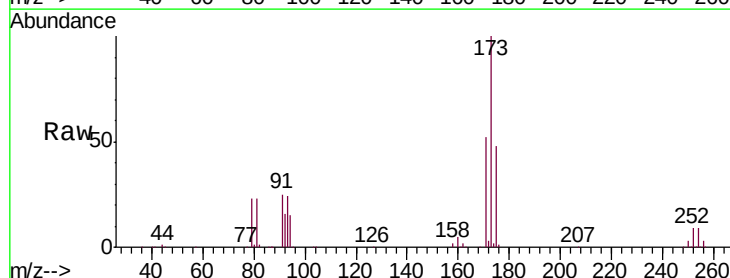
Tgt Ion: 173 Resp: 277457

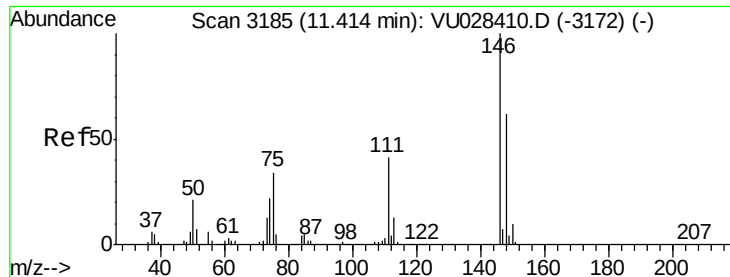
Ion Ratio Lower Upper

173 100

175 47.9 38.1 57.1

254 8.8 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 99.210 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10056

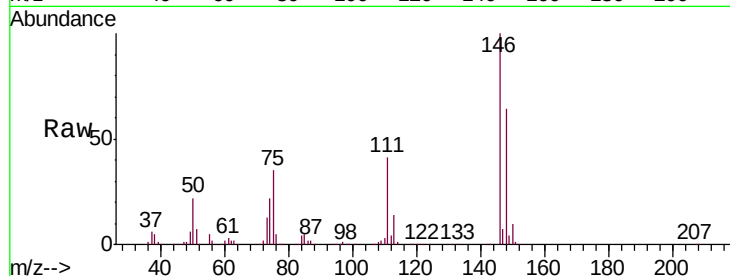
Tgt Ion:146 Resp: 737838

Ion Ratio Lower Upper

146 100

111 40.8 28.8 53.4

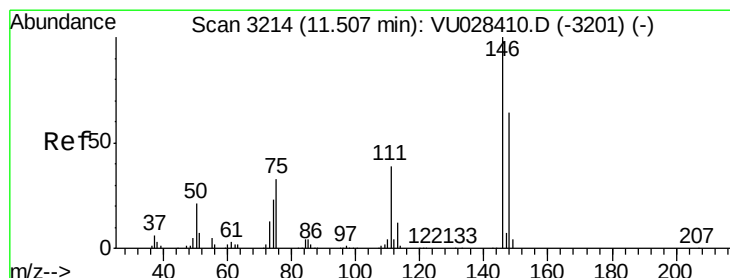
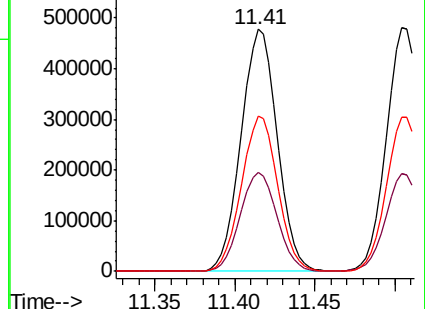
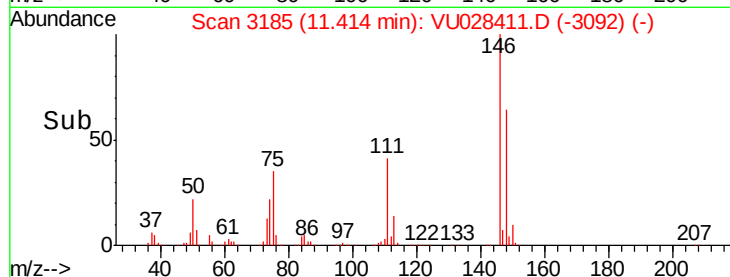
148 64.1 43.1 80.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 99.733 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

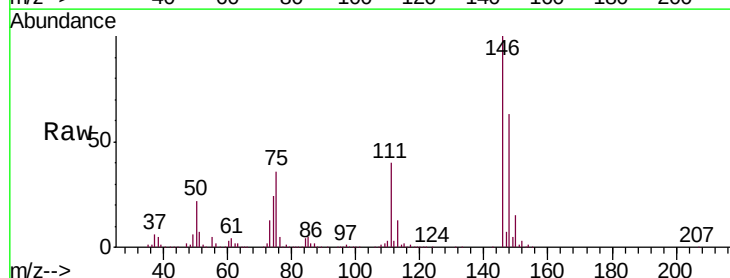
Tgt Ion:146 Resp: 746943

Ion Ratio Lower Upper

146 100

111 40.0 27.6 51.4

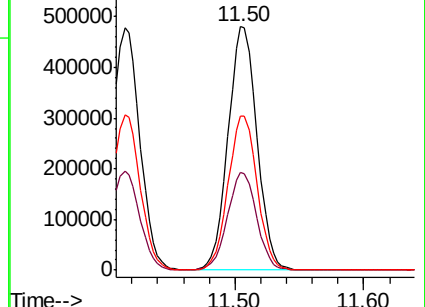
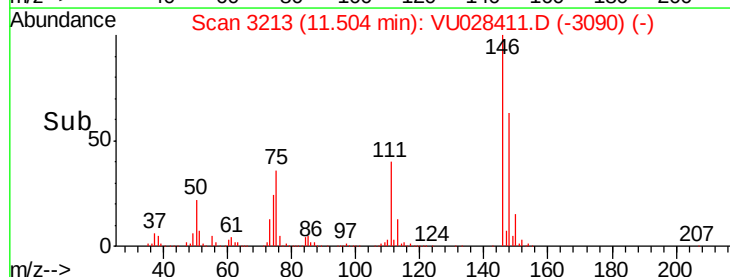
148 63.5 44.7 82.9

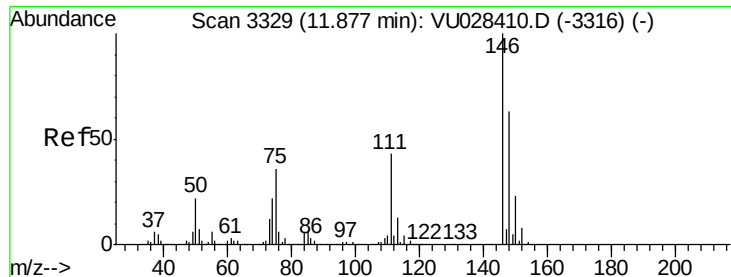


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

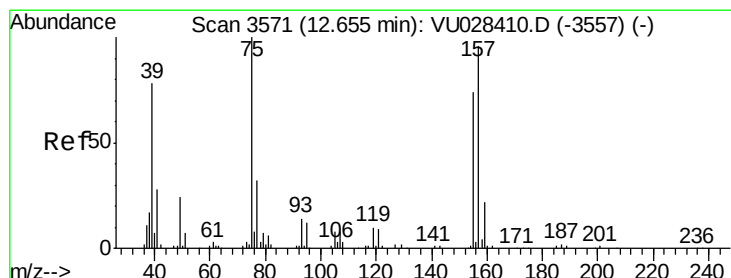
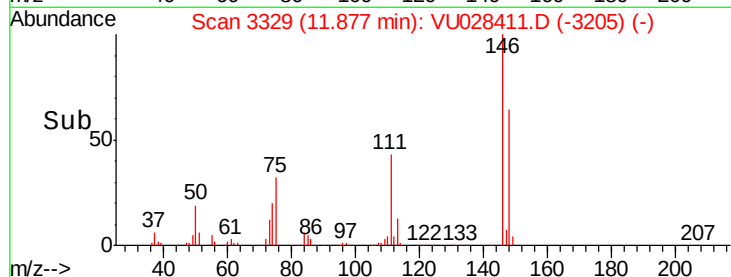
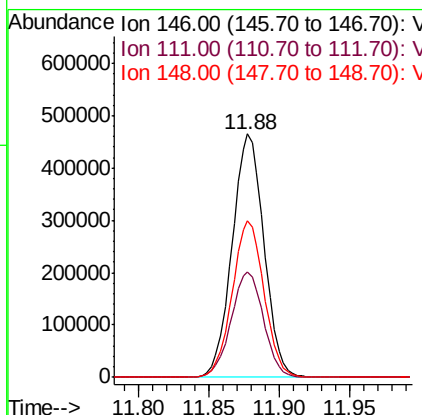
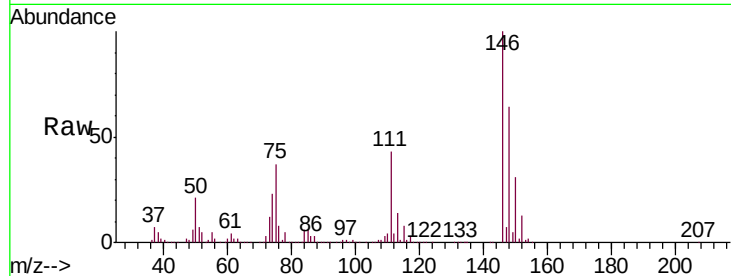




#65
 1,2-Dichlorobenzene
 Concen: 99.439 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

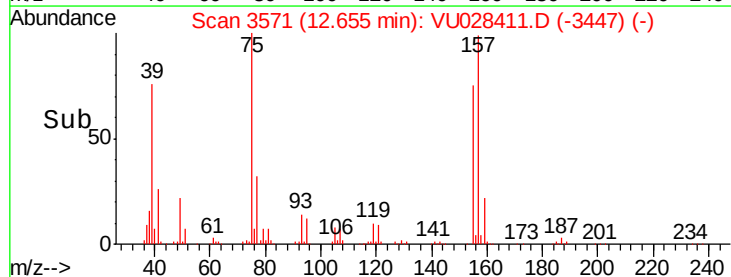
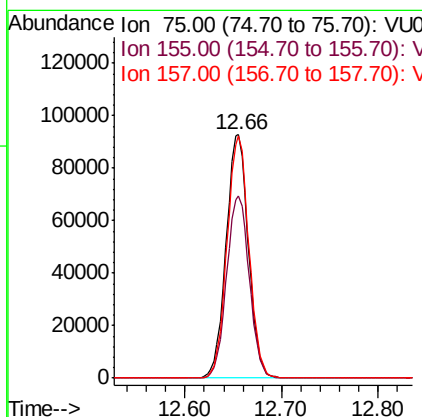
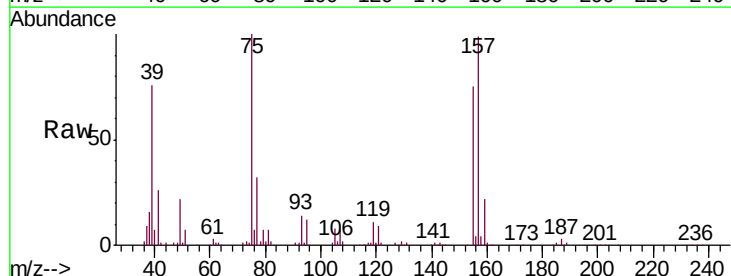
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10056

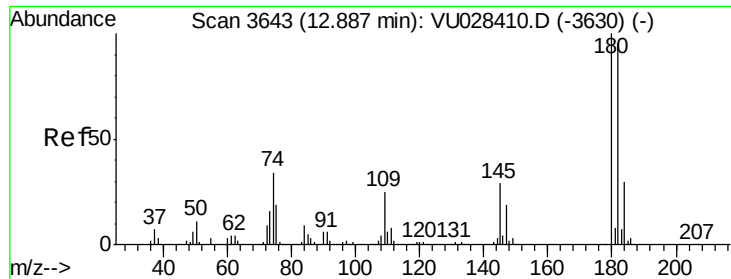
Tgt Ion: 146 Resp: 734056
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.9 52.3
 148 64.2 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 99.588 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

Tgt Ion: 75 Resp: 148100
 Ion Ratio Lower Upper
 75 100
 155 74.6 58.8 88.2
 157 99.3 76.9 115.3

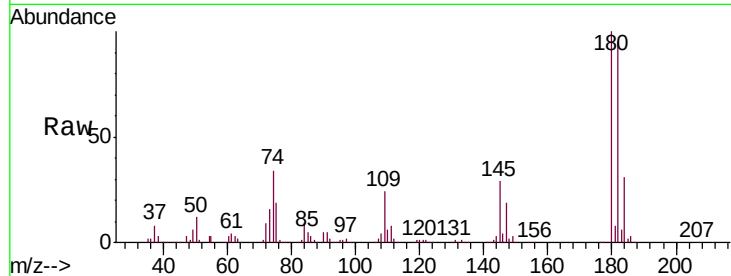




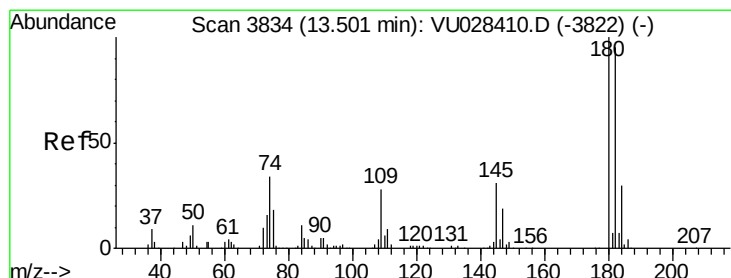
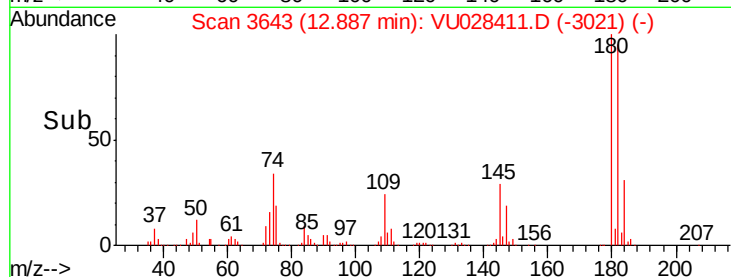
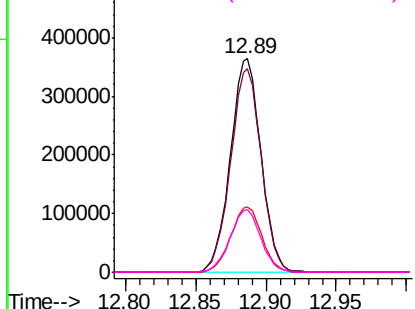
#67
 1,3,5-Trichlorobenzene
 Concen: 101.285 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10056

Tgt Ion:180 Resp: 554144
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.8 113.6
 184 30.8 24.0 36.0
 145 29.5 23.8 35.8

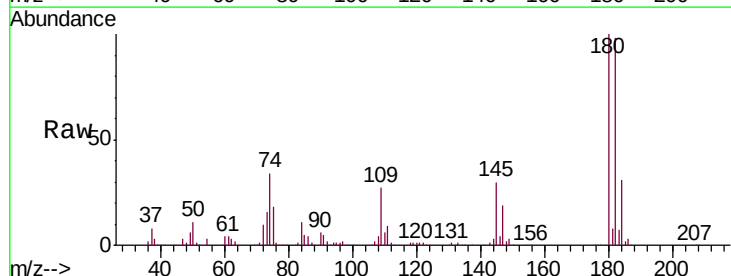


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

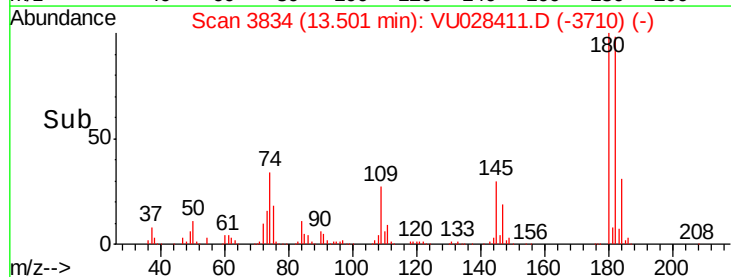
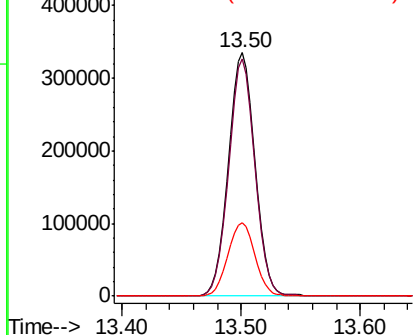


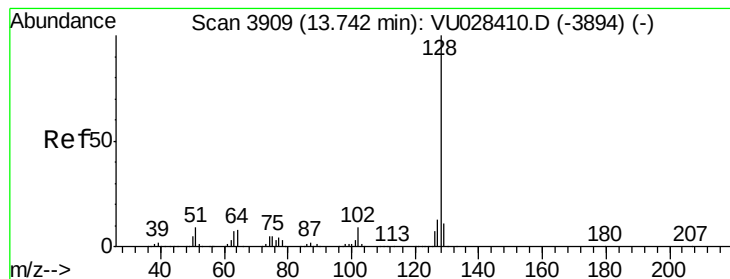
#68
 1,2,4-trichlorobenzene
 Concen: 101.653 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028411.D
 Acq: 30 Nov 2018 10:13

Tgt Ion:180 Resp: 517980
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.0 114.0
 145 30.7 24.2 36.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 103.066 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD10056

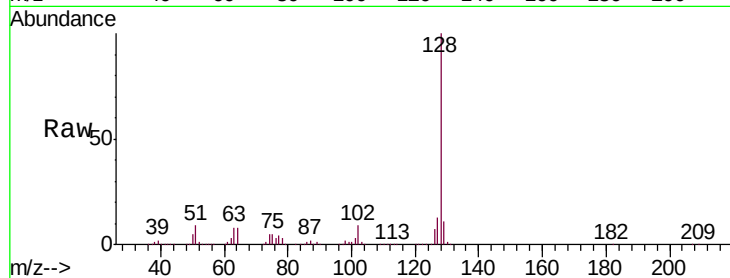
Tgt Ion:128 Resp: 1831262

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

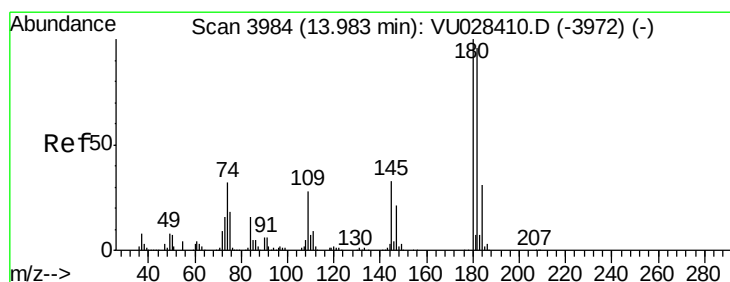
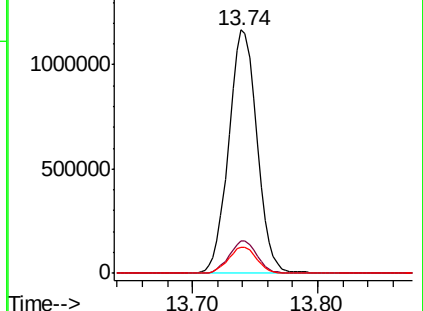
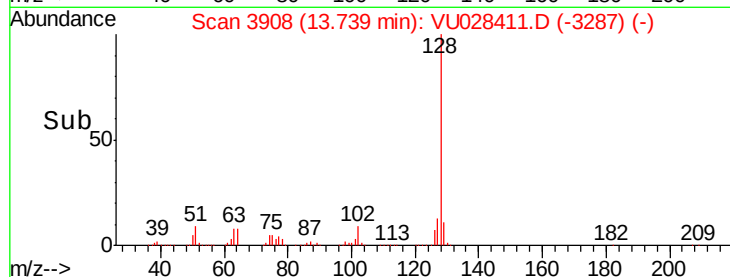
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 102.473 ug/L

RT: 13.98 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VU028411.D

Acq: 30 Nov 2018 10:13

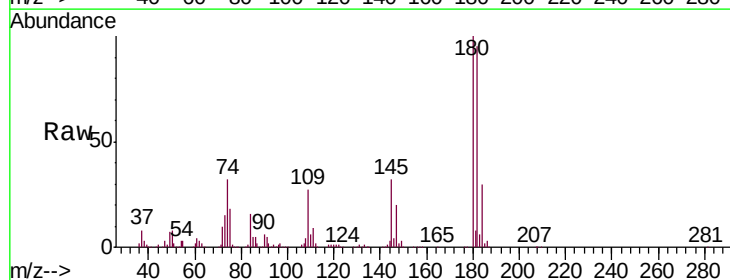
Tgt Ion:180 Resp: 525967

Ion Ratio Lower Upper

180 100

182 94.4 76.6 115.0

145 31.9 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

