

Data File : VU029976.D
Acq On : 11 Mar 2019 19:09
Operator : JC/SP
Sample : VSTD10046
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10046

Quant Time: Mar 12 05:46:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 05:42:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	537005	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	519745	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	278303	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	373883	112.05	ug/L	0.00
7) Chloroethane-d5	1.67	69	303459	109.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	666662	107.41	ug/L	0.00
21) 2-Butanone-d5	4.17	46	580808	227.23	ug/L	0.00
24) Chloroform-d	4.64	84	667902	104.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	380619	102.18	ug/L	0.00
32) Benzene-d6	5.34	84	1424332	108.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	431894	108.89	ug/L	0.00
41) Toluene-d8	7.56	98	1356731	108.64	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	220624	114.71	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	519440	241.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	669191	107.98	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	561741	102.75	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	334502	84.746	ug/L	99
3) Chloromethane	1.33	50	369952	73.212	ug/L	100
5) Vinyl chloride	1.40	62	405491	98.497	ug/L	99
6) Bromomethane	1.61	94	260863	186.501	ug/L	99
8) Chloroethane	1.69	64	250720	98.741	ug/L	98
9) Trichlorofluoromethane	1.88	101	542793	99.301	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	347867	102.285	ug/L	99
12) 1,1-Dichloroethene	2.28	96	334705	101.969	ug/L	92
13) Acetone	2.32	43	581823	208.413	ug/L	99
14) Carbon disulfide	2.48	76	1042544	101.935	ug/L	99
15) Methyl Acetate	2.61	43	406937	106.887	ug/L	99
16) Methylene chloride	2.70	84	385093	99.748	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	363841	103.721	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	1099160	120.177	ug/L	100
19) 1,1-Dichloroethane	3.44	63	626385	103.864	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	421516	105.296	ug/L	99
22) 2-Butanone	4.26	43	713106	222.547	ug/L	99
23) Bromochloromethane	4.55	128	214374	105.943	ug/L	99
25) Chloroform	4.67	83	658618	101.438	ug/L	99
27) 1,2-Dichloroethane	5.40	62	469928	102.038	ug/L	99
29) Cyclohexane	4.99	56	582411	108.829	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	566794	108.348	ug/L	99
31) Carbon tetrachloride	5.13	117	507831	109.288	ug/L	99
33) Benzene	5.39	78	1484756	106.879	ug/L	100
34) Trichloroethene	6.18	95	390992	104.248	ug/L	100
35) Methylcyclohexane	6.41	83	650001	108.825	ug/L	100
37) 1,2-Dichloropropane	6.43	63	393751	108.163	ug/L	100
38) Bromodichloromethane	6.75	83	500218	110.113	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	640785	114.961	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1095800	224.678	ug/L	99

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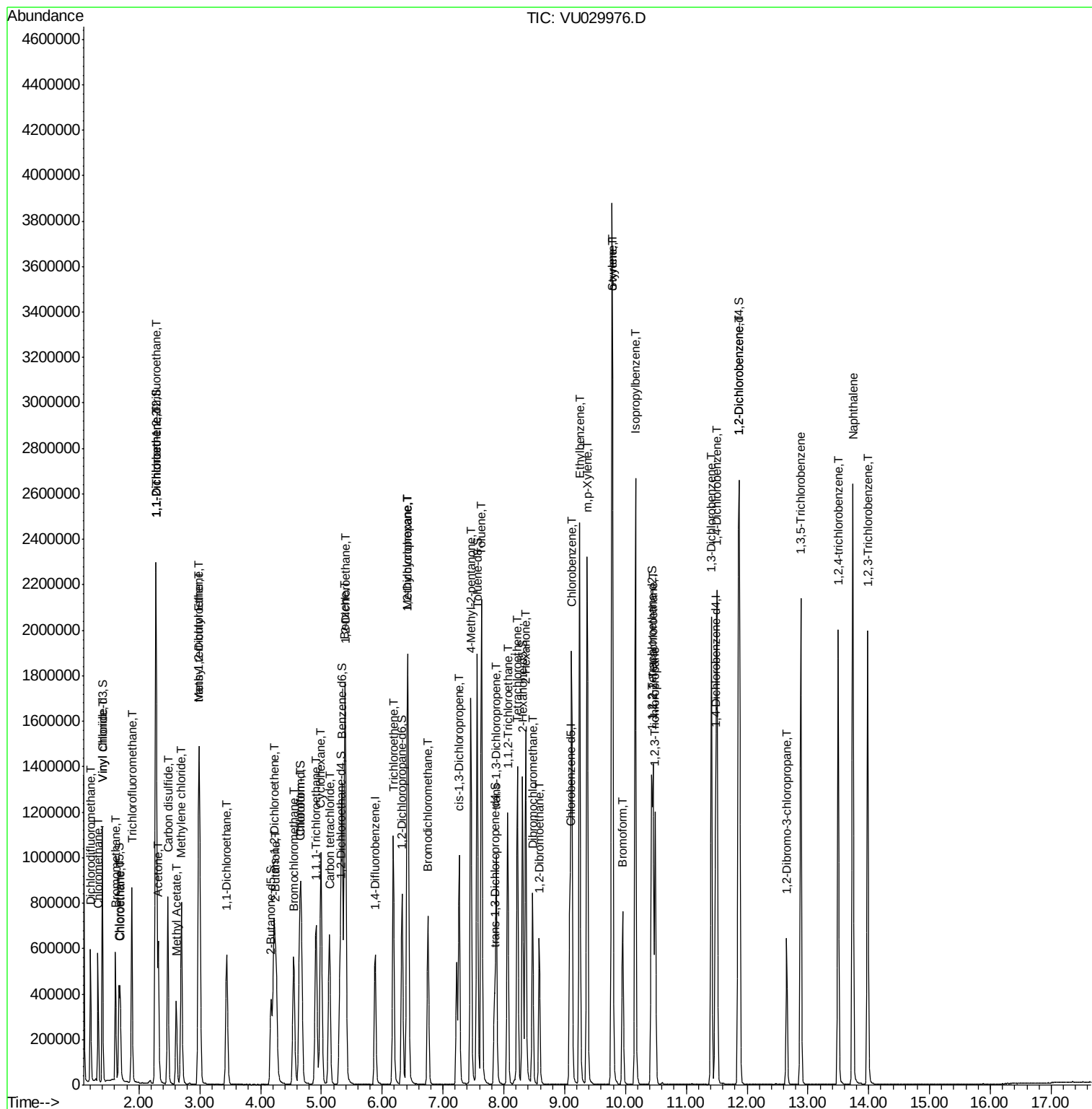
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1648118	108.499	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	589118	118.492	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	395205	107.096	ug/L	99
46) Tetrachloroethene	8.22	164	341727	105.997	ug/L	99
48) 2-Hexanone	8.36	43	942339	227.619	ug/L	99
49) Dibromochloromethane	8.47	129	453860	111.624	ug/L	100
50) 1,2-Dibromoethane	8.58	107	439679	110.475	ug/L	98
51) Chlorobenzene	9.12	112	1093800	106.492	ug/L	99
52) Ethylbenzene	9.25	91	1829622	108.822	ug/L	99
53) m,p-Xylene	9.37	106	716676	110.656	ug/L	99
54) o-xylene	9.77	106	704737	109.971	ug/L	100
55) Styrene	9.79	104	1220767	115.823	ug/L	99
56) Isopropylbenzene	10.16	105	1831539	110.242	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	685432	107.529	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	513479	106.888	ug/L	99
61) Bromoform	9.95	173	365846	112.513	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	902065	106.114	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	917143	105.361	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	911868	105.158	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	154285	111.850	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	712953	109.835	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	662154	113.897	ug/L	99
69) Naphthalene	13.74	128	2226314	121.582	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	679144	110.854	ug/L	99

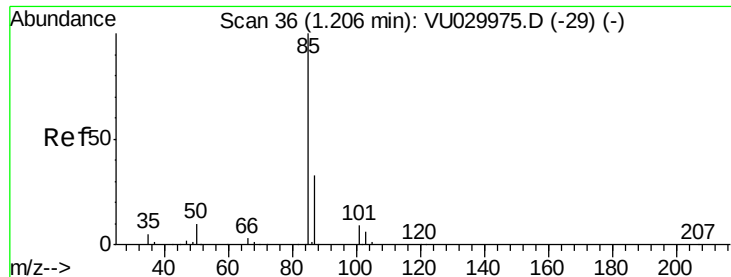
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 84.746 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

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Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

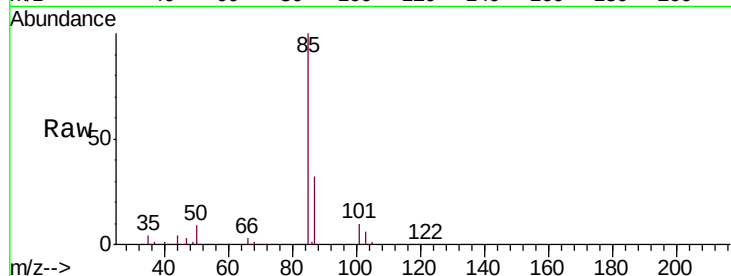
VSTD10046

Tgt Ion: 85 Resp: 334502

Ion Ratio Lower Upper

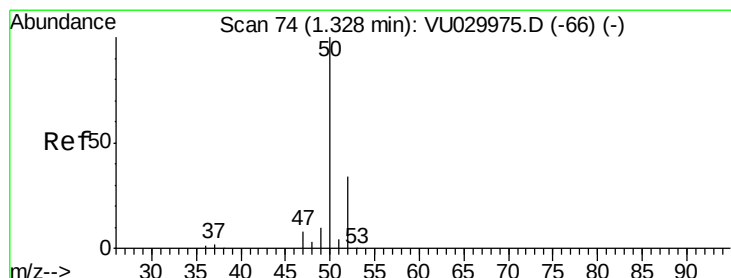
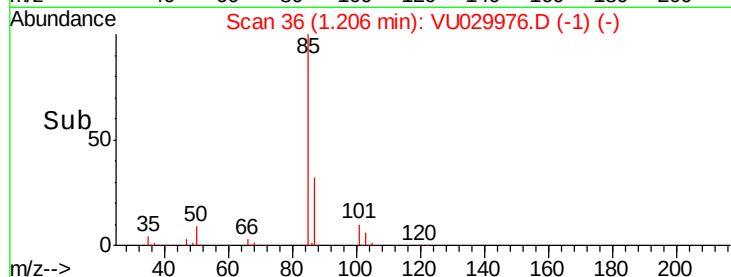
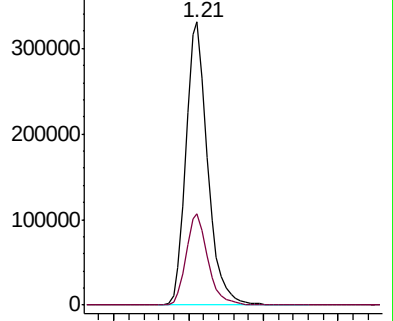
85 100

87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 73.212 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029976.D

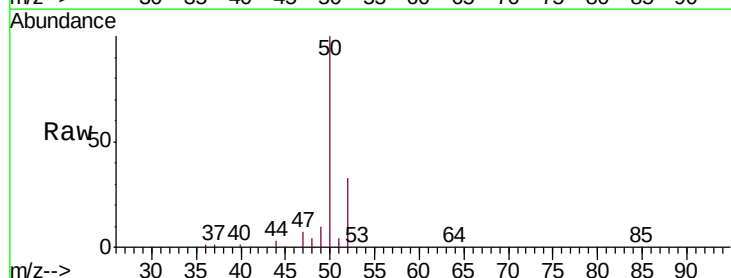
Acq: 11 Mar 2019 19:09

Tgt Ion: 50 Resp: 369952

Ion Ratio Lower Upper

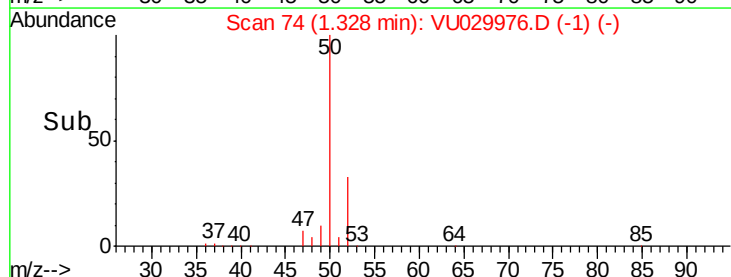
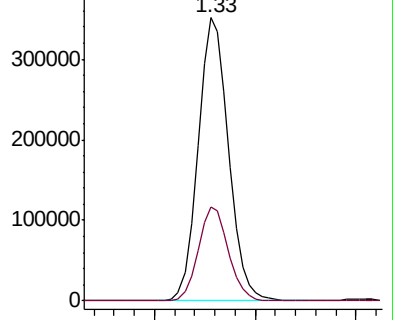
50 100

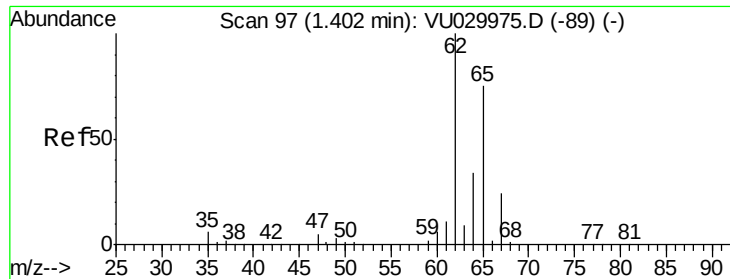
52 33.3 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 98.497 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

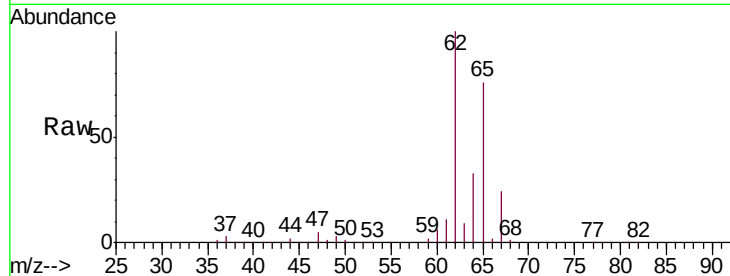
VSTD10046

Tgt Ion: 62 Resp: 405491

Ion Ratio Lower Upper

62 100

64 33.3 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

400000

300000

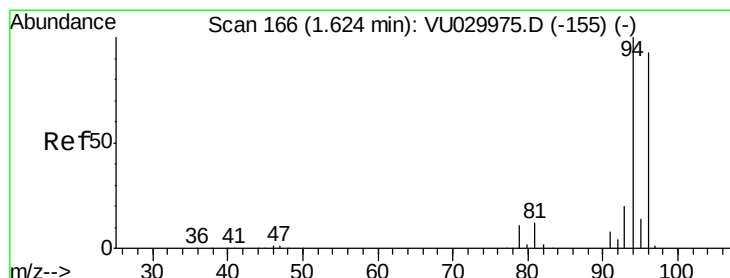
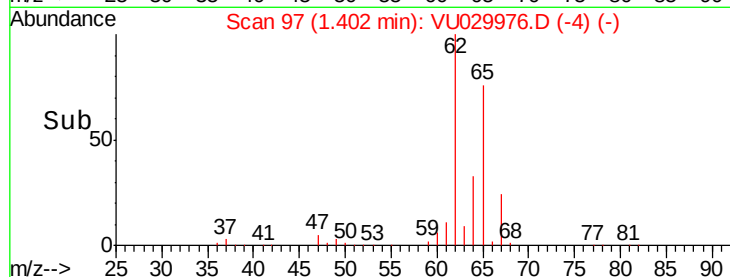
200000

100000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 186.501 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU029976.D

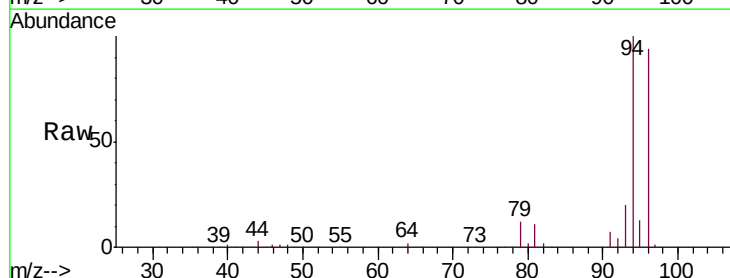
Acq: 11 Mar 2019 19:09

Tgt Ion: 94 Resp: 260863

Ion Ratio Lower Upper

94 100

96 93.8 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

250000

200000

150000

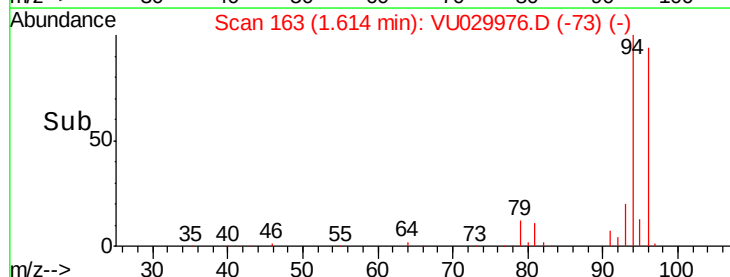
100000

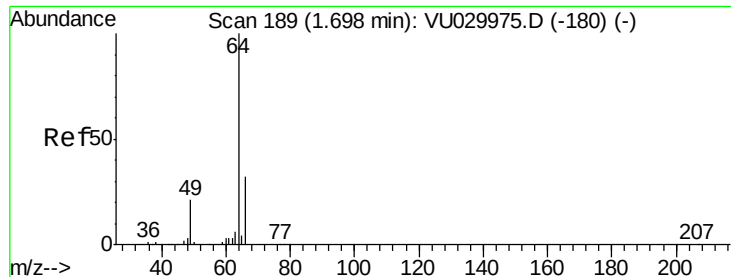
50000

0

Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 98.741 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

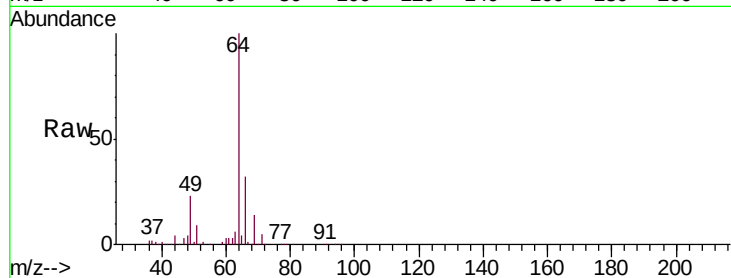
VSTD10046

Tgt Ion: 64 Resp: 250720

Ion Ratio Lower Upper

64 100

66 31.8 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU029975.D

Ion 66.00 (65.70 to 66.70): VU029975.D

1.69

200000

150000

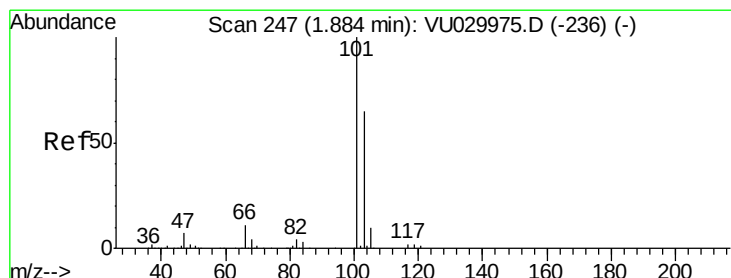
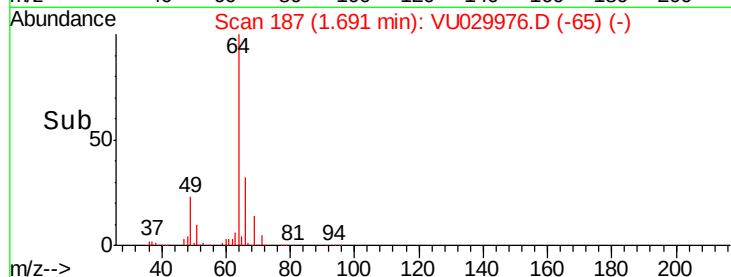
100000

50000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 99.301 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029976.D

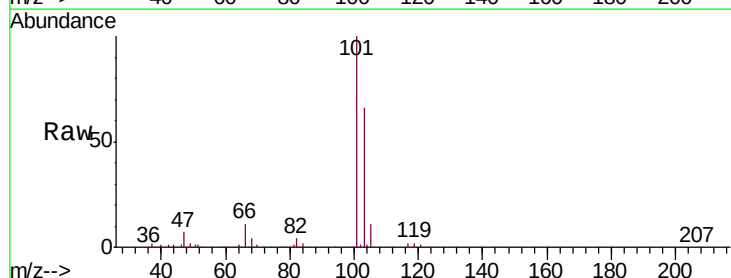
Acq: 11 Mar 2019 19:09

Tgt Ion: 101 Resp: 542793

Ion Ratio Lower Upper

101 100

103 65.7 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU029975.D

Ion 103.00 (102.70 to 103.70): VU029975.D

1.88

400000

300000

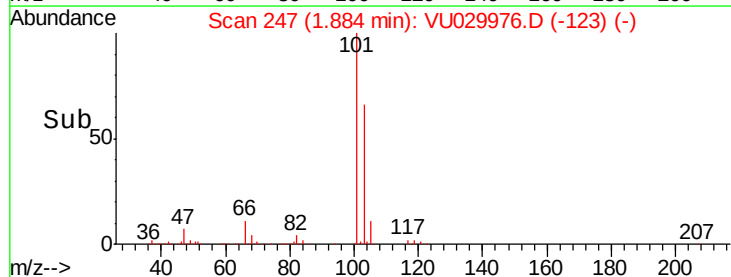
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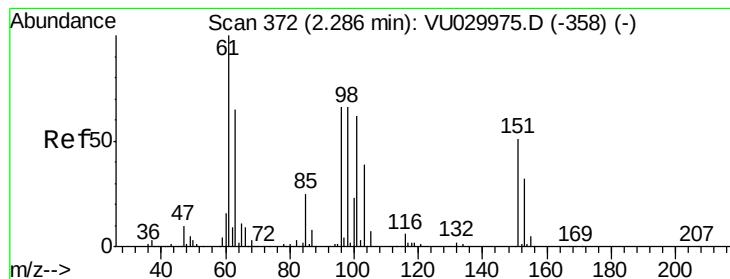
100000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 102.285 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD10046

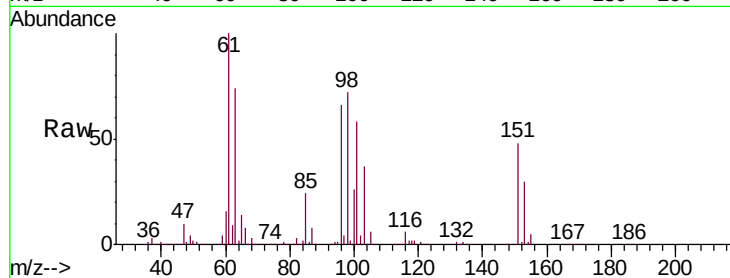
Tgt Ion: 101 Resp: 347867

Ion Ratio Lower Upper

101 100

85 41.3 33.0 49.4

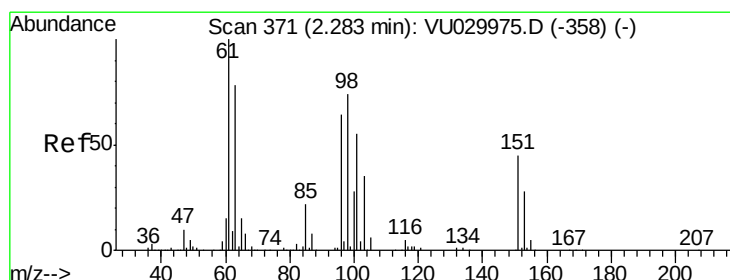
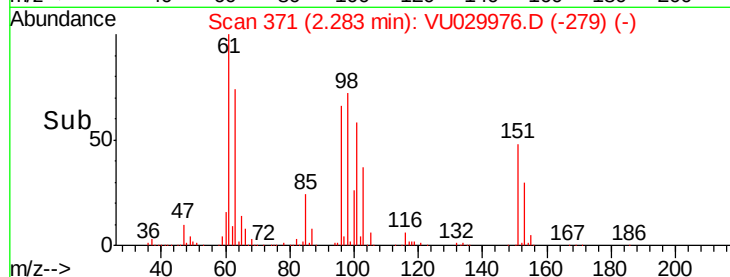
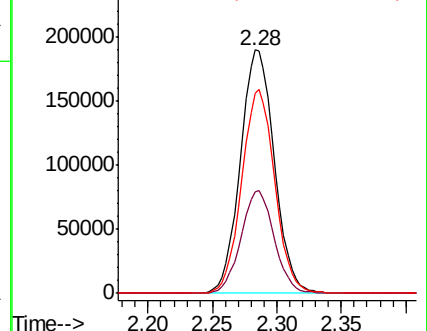
151 81.6 66.1 99.1



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: 101.969 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

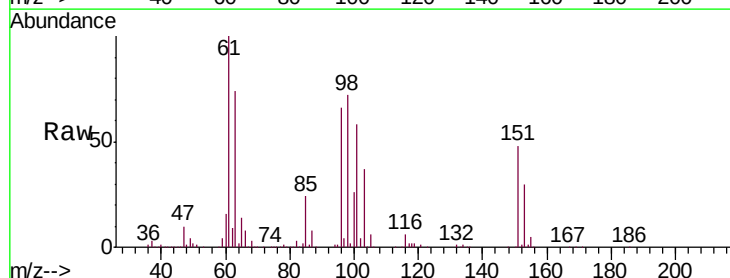
Tgt Ion: 96 Resp: 334705

Ion Ratio Lower Upper

96 100

61 151.2 110.4 205.0

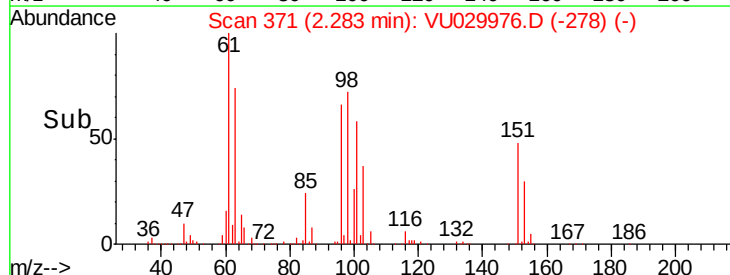
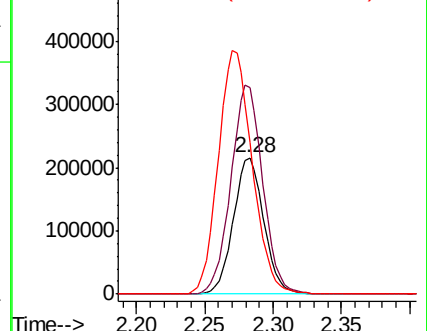
63 111.2 86.5 160.7

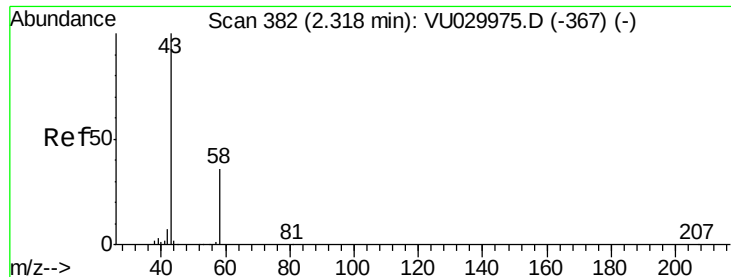


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 208.413 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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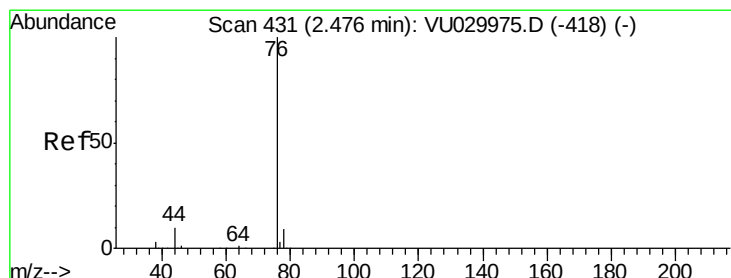
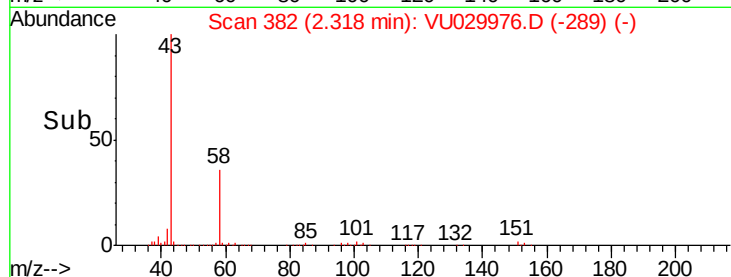
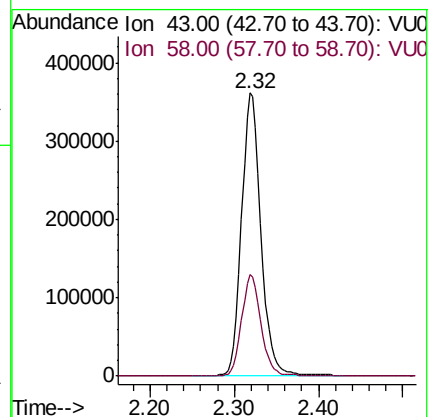
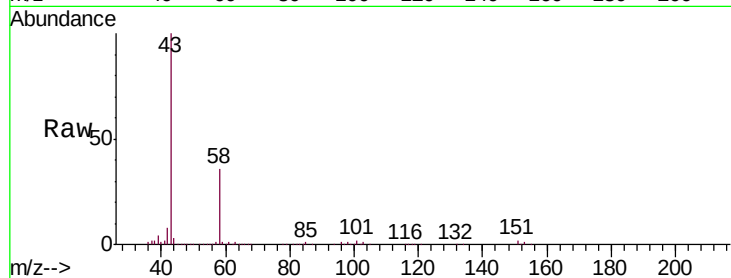
VSTD10046

Tgt Ion: 43 Resp: 581823

Ion Ratio Lower Upper

43 100

58 35.9 0.0 73.0



#14

Carbon disulfide

Concen: 101.935 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029976.D

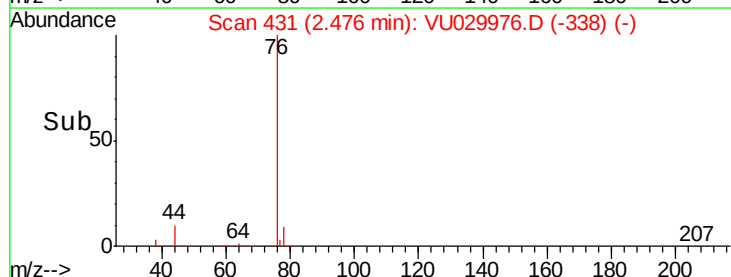
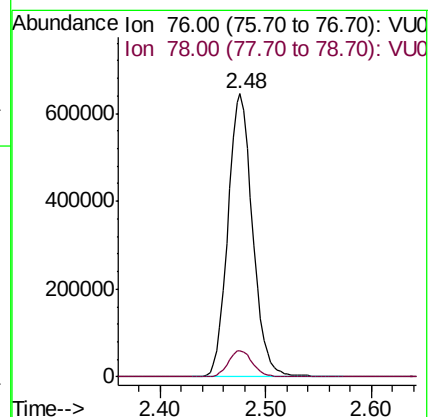
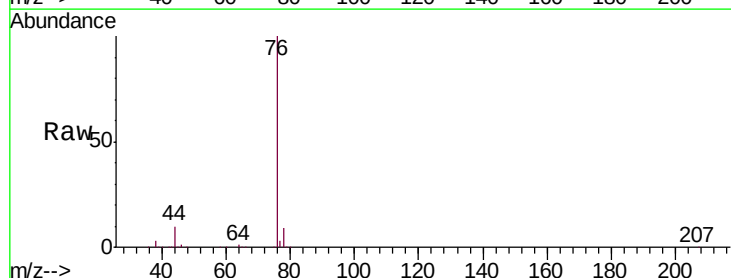
Acq: 11 Mar 2019 19:09

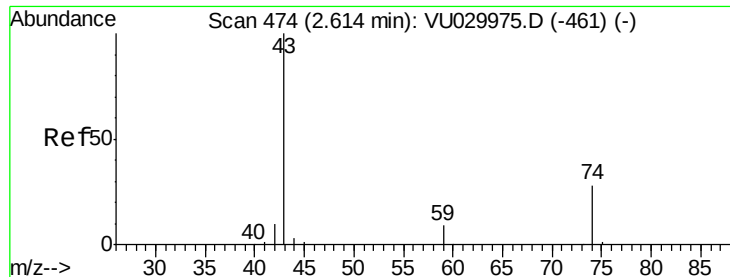
Tgt Ion: 76 Resp: 1042544

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

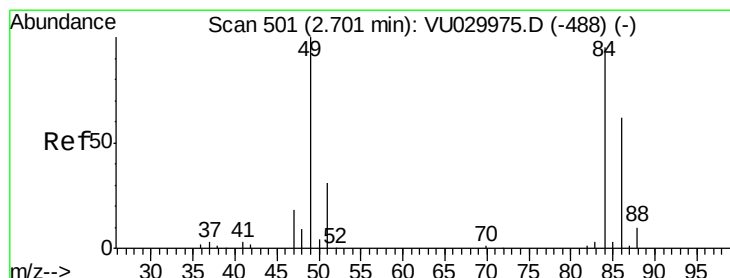
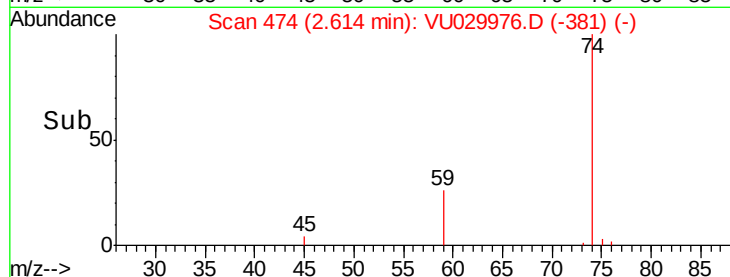
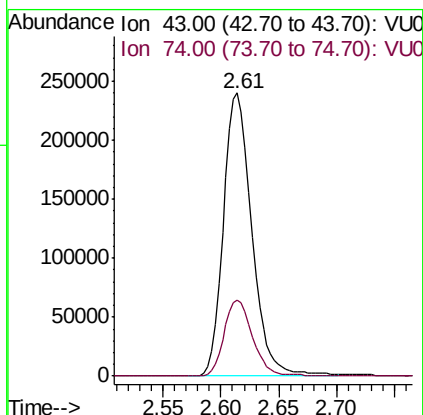
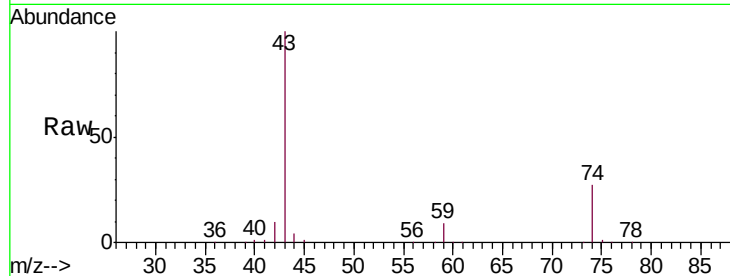




#15
Methyl Acetate
Concen: 106.887 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

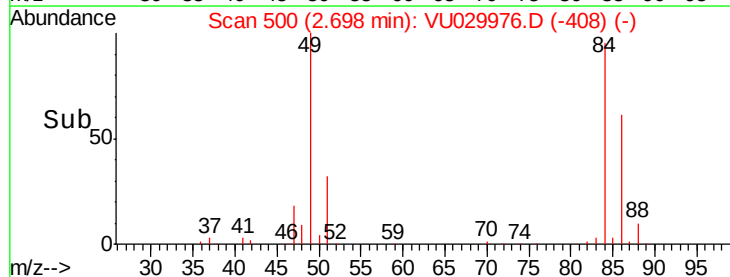
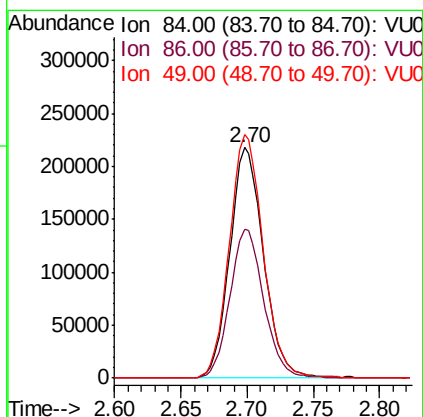
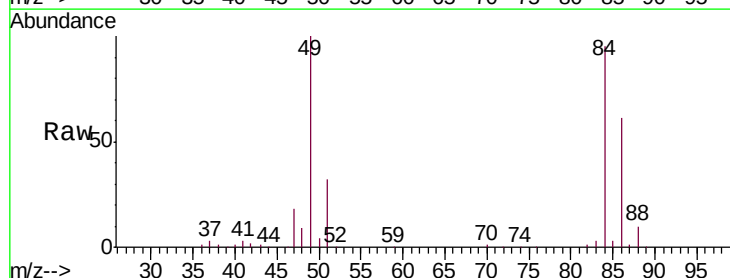
Instrument :
MSVOA_U
ClientSampled :
VSTD10046

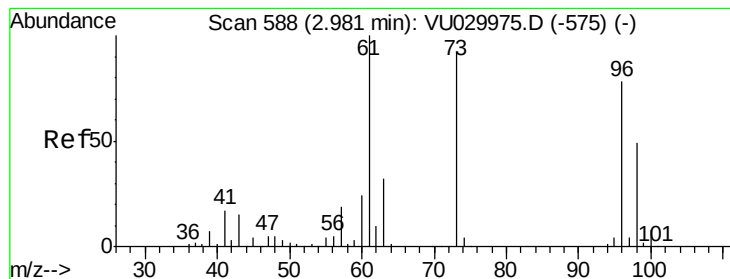
Tgt Ion: 43 Resp: 406937
Ion Ratio Lower Upper
43 100
74 27.1 21.9 32.9



#16
Methylene chloride
Concen: 99.748 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

Tgt Ion: 84 Resp: 385093
Ion Ratio Lower Upper
84 100
86 64.4 45.2 84.0
49 105.6 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 103.721 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD10046

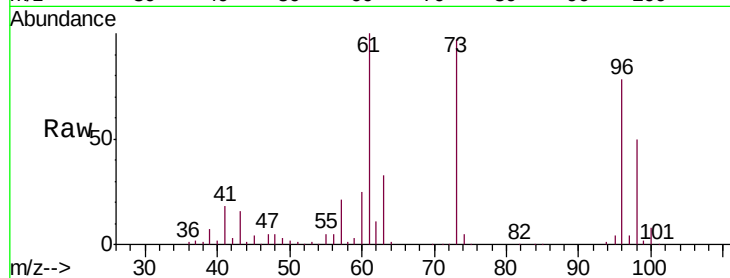
Tgt Ion: 96 Resp: 363841

Ion Ratio Lower Upper

96 100

61 127.6 89.4 166.0

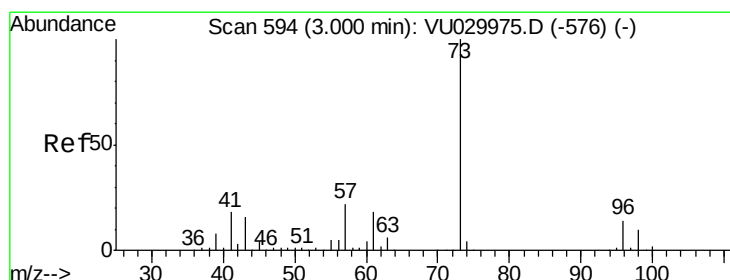
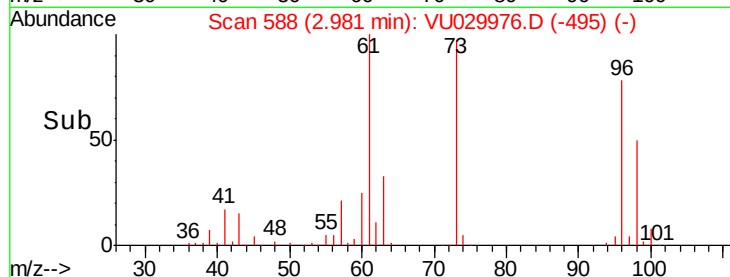
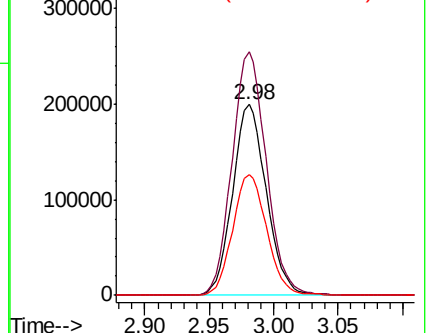
98 63.4 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VU029975.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU029975.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU029975.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 120.177 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

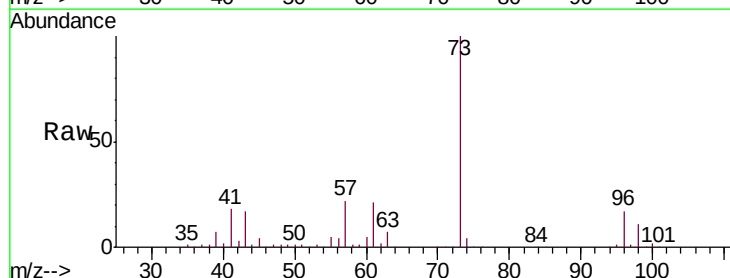
Tgt Ion: 73 Resp: 1099160

Ion Ratio Lower Upper

73 100

43 16.4 13.1 19.7

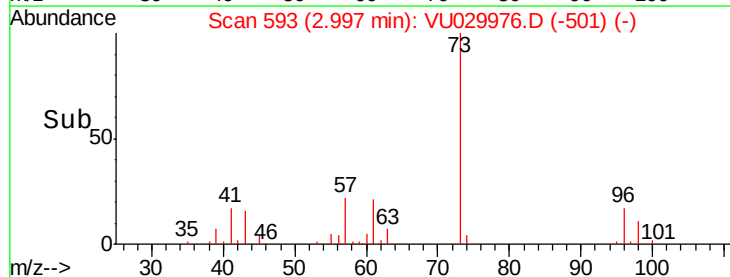
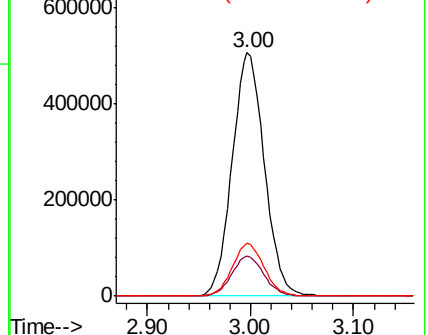
57 21.5 17.1 25.7

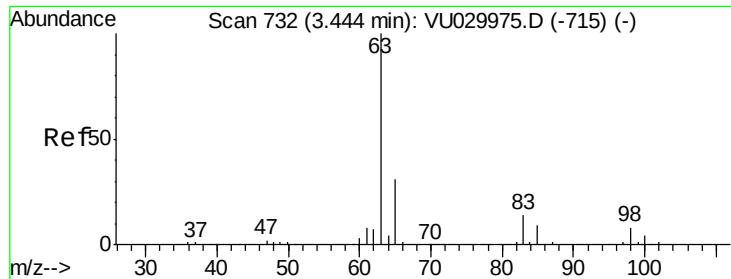


Abundance Ion 73.00 (72.70 to 73.70): VU029975.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU029975.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU029975.D (-576) (-)

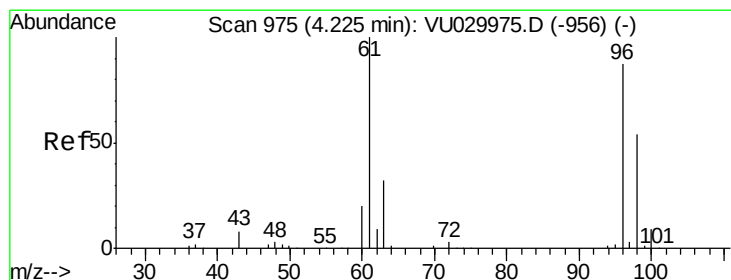
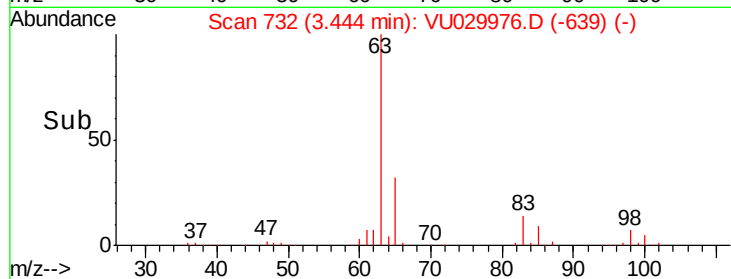
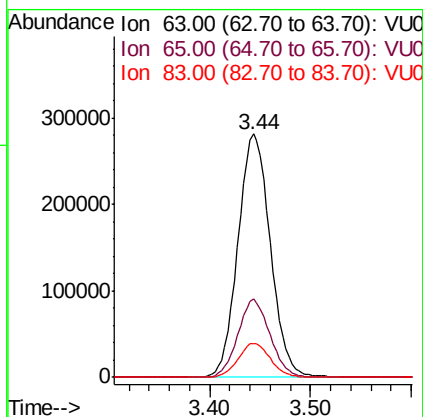
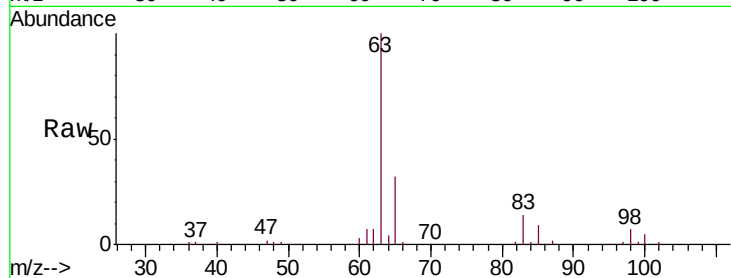




#19
 1,1-Dichloroethane
 Concen: 103.864 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

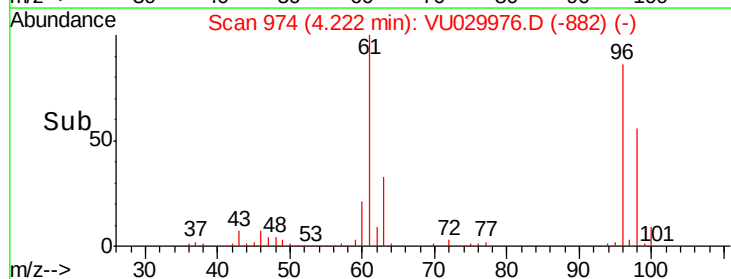
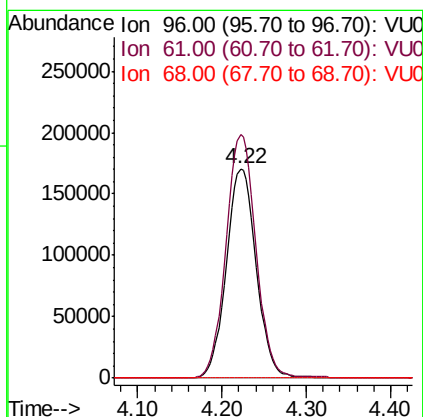
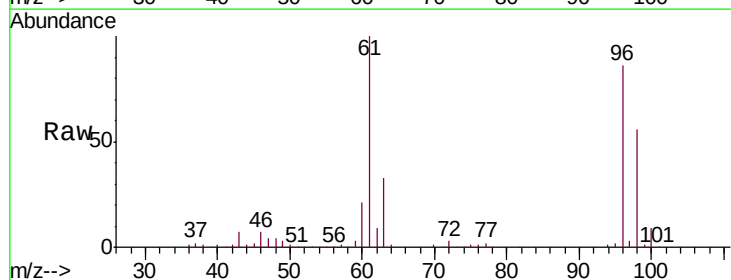
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10046

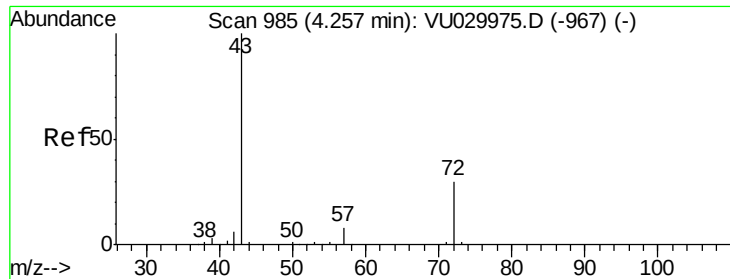
Tgt Ion: 63 Resp: 626385
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.0 41.0
 83 14.1 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 105.296 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

Tgt Ion: 96 Resp: 421516
 Ion Ratio Lower Upper
 96 100
 61 116.2 80.8 150.2
 68 0.0 0.0 0.0

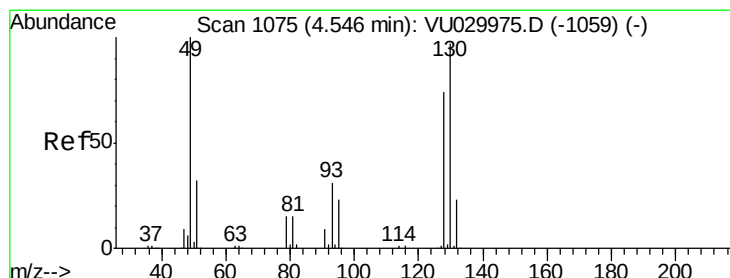
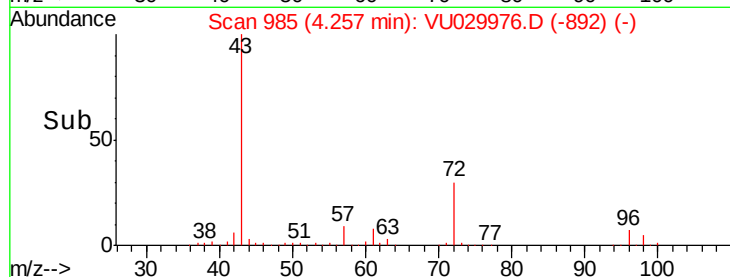
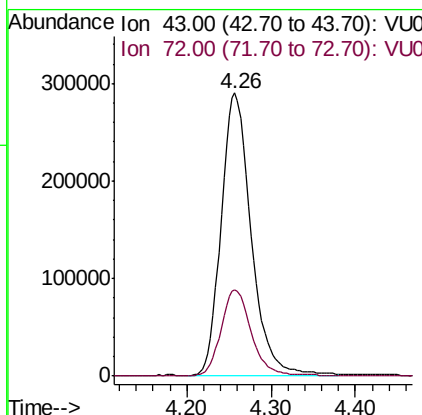
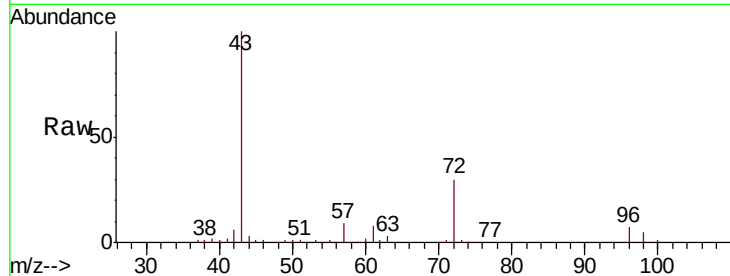




#22
2-Butanone
Concen: 222.547 ug/L
RT: 4.26 min Scan# 985
Delta R.T. 0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

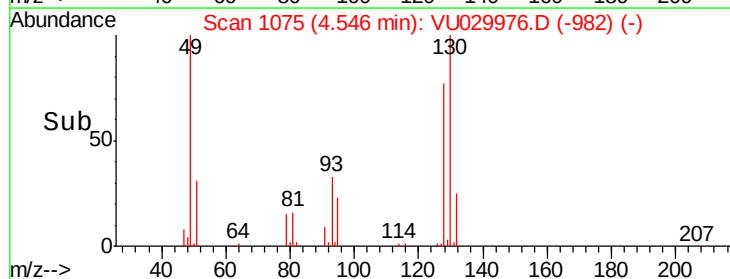
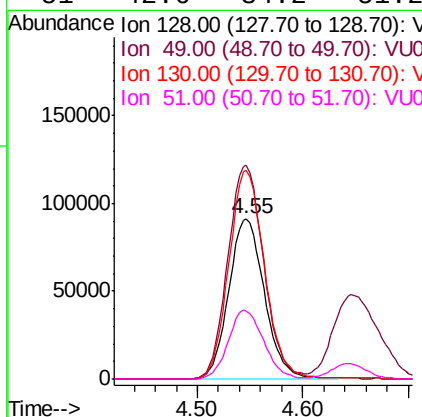
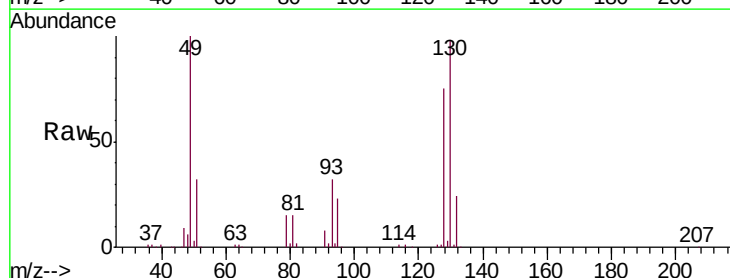
Instrument :
MSVOA_U
ClientSampleId :
VSTD10046

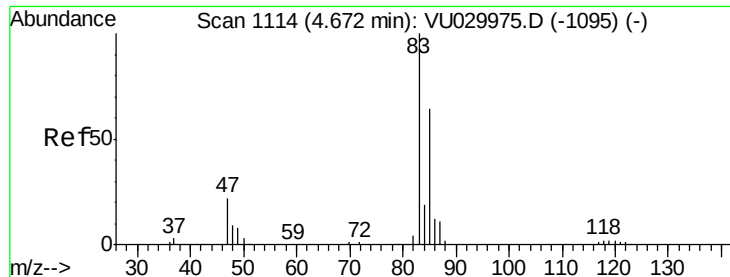
Tgt Ion: 43 Resp: 713106
Ion Ratio Lower Upper
43 100
72 31.3 15.3 45.9



#23
Bromochloromethane
Concen: 105.943 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

Tgt Ion: 128 Resp: 214374
Ion Ratio Lower Upper
128 100
49 133.0 94.5 175.5
130 130.3 91.4 169.8
51 42.6 34.2 51.2

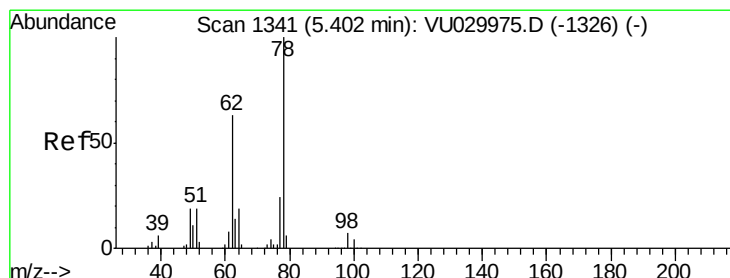
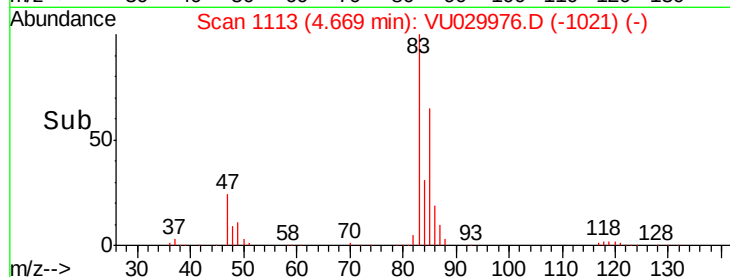
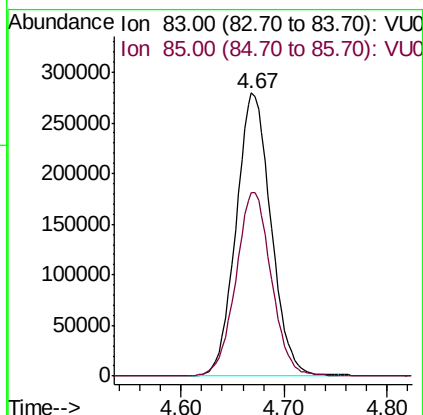
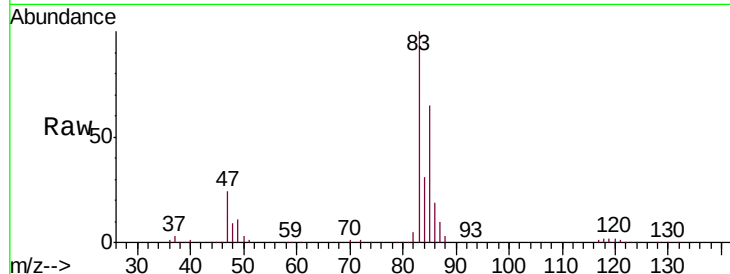




#25
Chloroform
Concen: 101.438 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

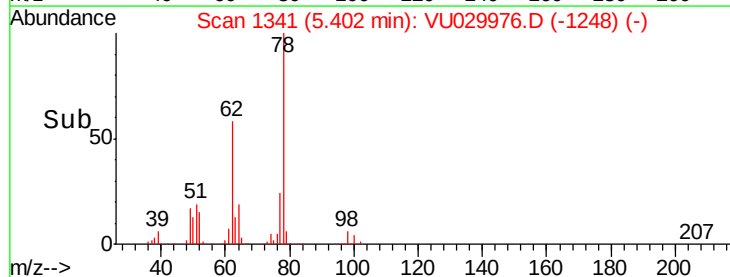
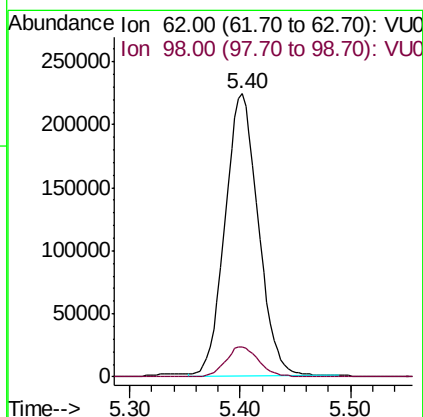
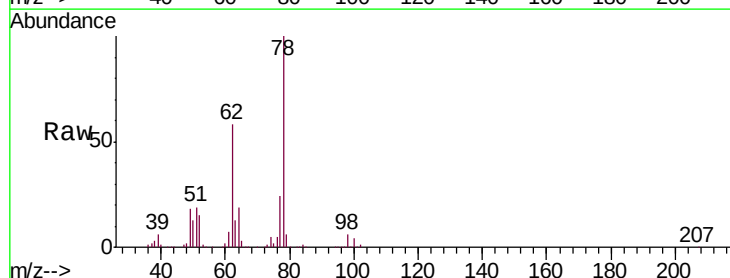
Instrument :
MSVOA_U
ClientSampleId :
VSTD10046

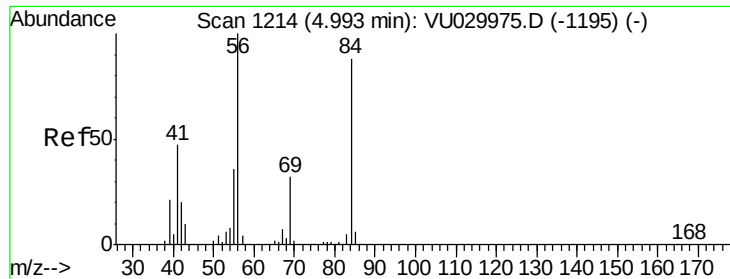
Tgt Ion: 83 Resp: 658618
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 102.038 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

Tgt Ion: 62 Resp: 469928
Ion Ratio Lower Upper
62 100
98 10.5 8.8 13.2

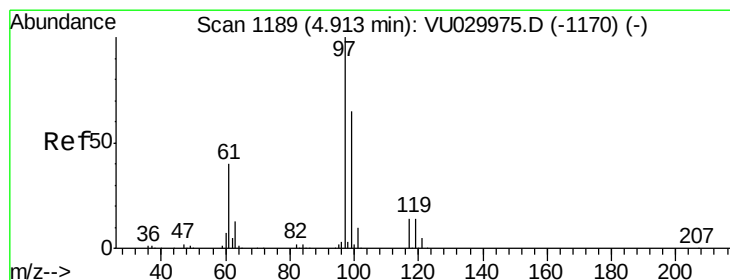
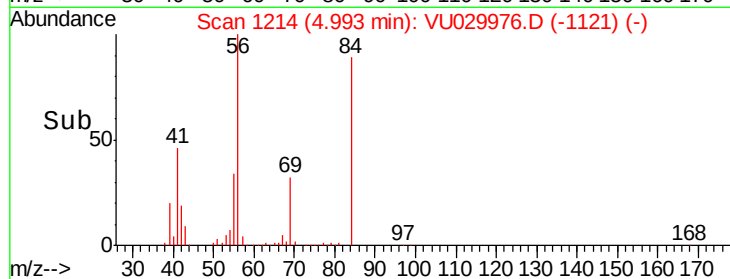
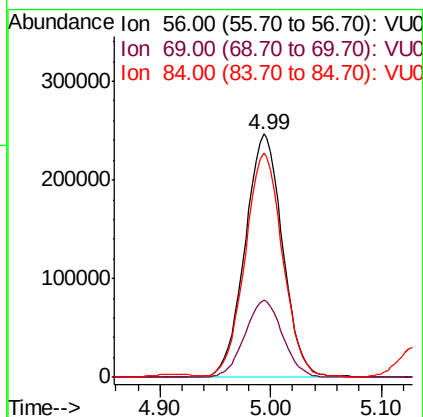
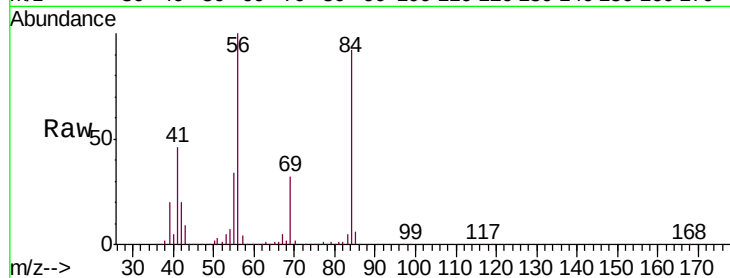




#29
Cyclohexane
Concen: 108.829 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

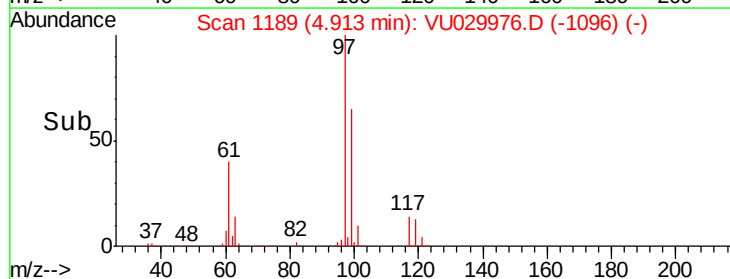
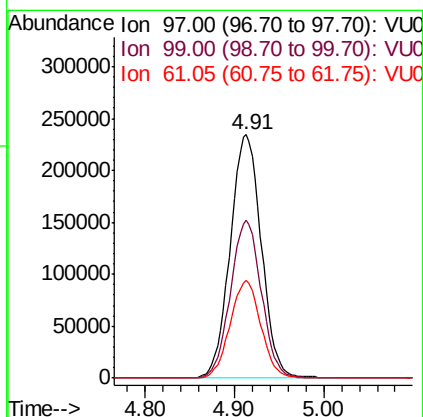
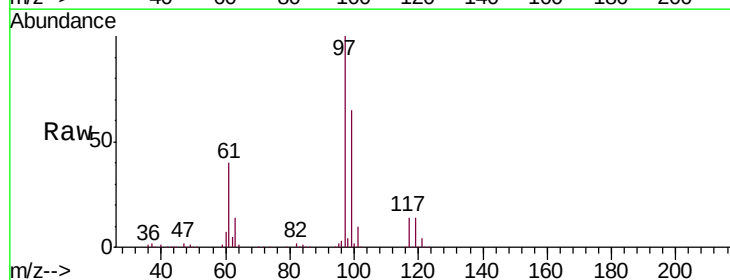
Instrument :
MSVOA_U
ClientSampleId :
VSTD10046

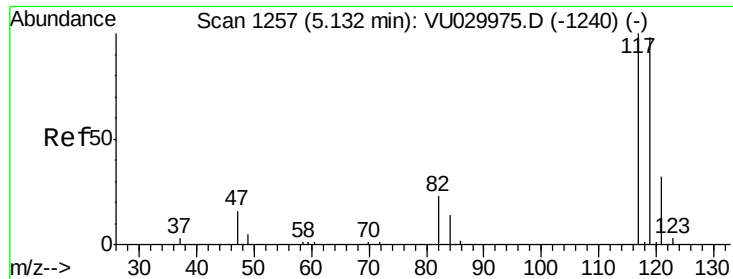
Tgt Ion: 56 Resp: 582411
Ion Ratio Lower Upper
56 100
69 32.0 25.3 37.9
84 92.5 73.5 110.3



#30
1,1,1-Trichloroethane
Concen: 108.348 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

Tgt Ion: 97 Resp: 566794
Ion Ratio Lower Upper
97 100
99 64.4 52.2 78.2
61 39.9 32.2 48.4





#31

Carbon tetrachloride

Concen: 109.288 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

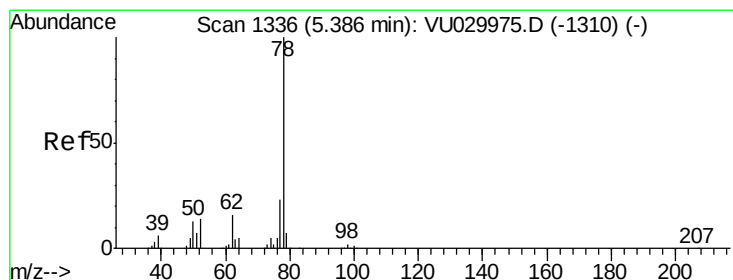
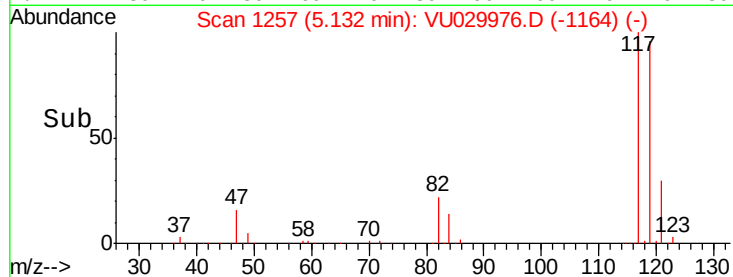
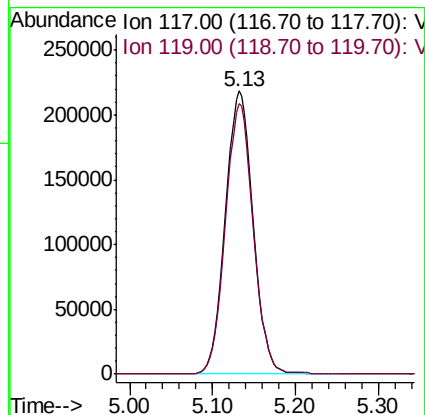
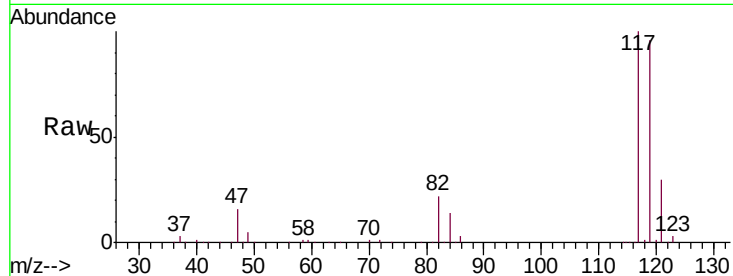
VSTD10046

Tgt Ion:117 Resp: 507831

Ion Ratio Lower Upper

117 100

119 95.2 77.3 115.9



#33

Benzene

Concen: 106.879 ug/L

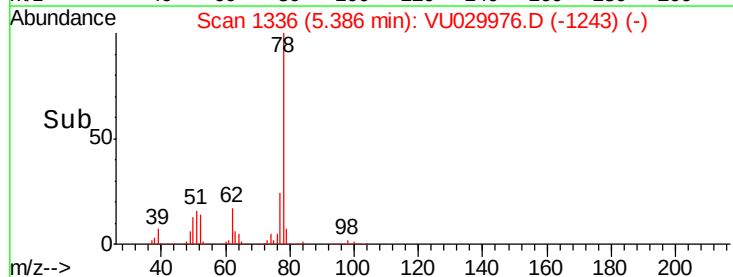
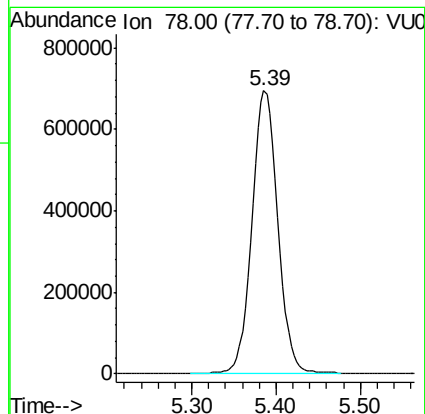
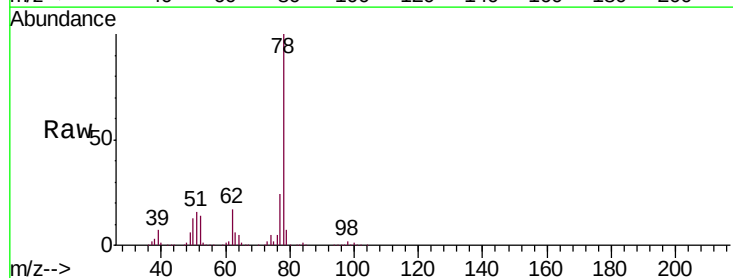
RT: 5.39 min Scan# 1336

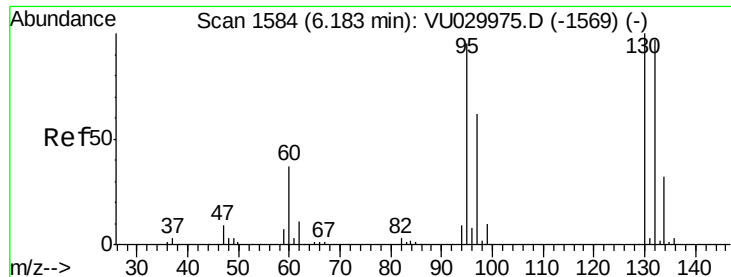
Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Tgt Ion: 78 Resp: 1484756





#34

Trichloroethene

Concen: 104.248 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD10046

Tgt Ion: 95 Resp: 390992

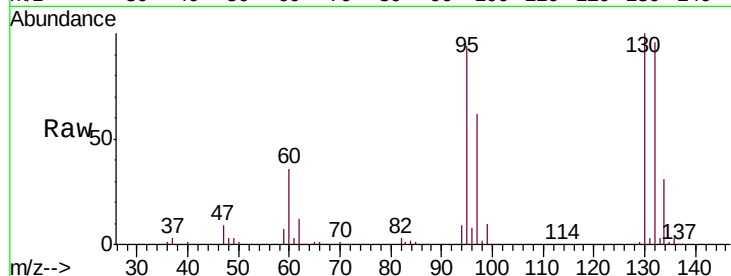
Ion Ratio Lower Upper

95 100

97 65.4 45.5 84.5

132 102.1 71.5 132.7

130 105.9 73.5 136.5

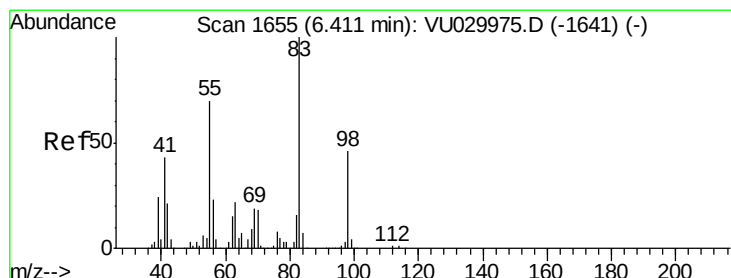
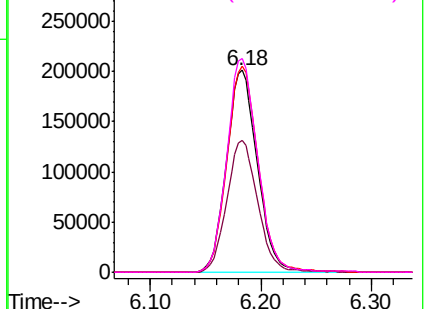
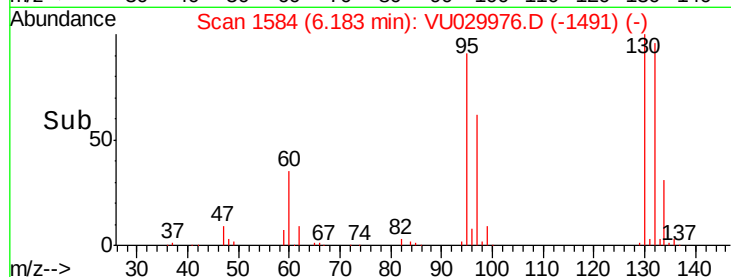


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 108.825 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

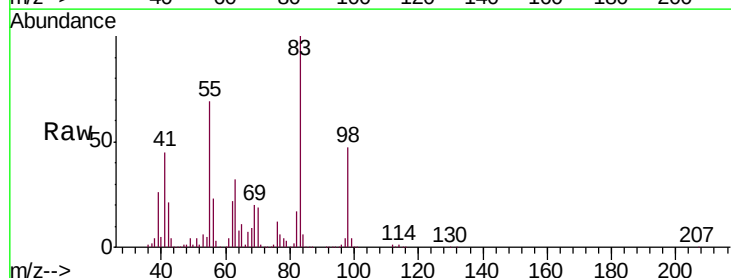
Tgt Ion: 83 Resp: 650001

Ion Ratio Lower Upper

83 100

55 70.6 56.6 84.8

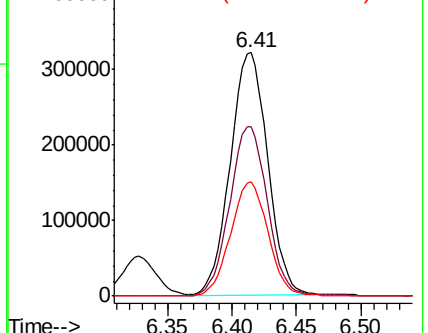
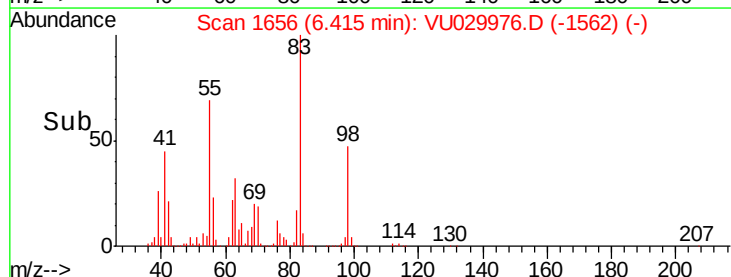
98 47.0 37.8 56.6

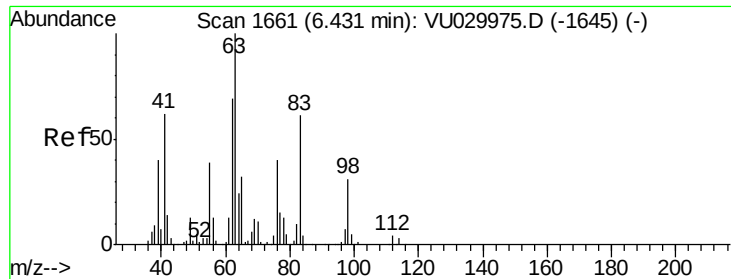


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

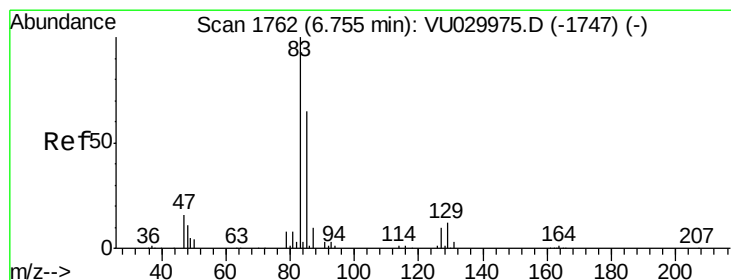
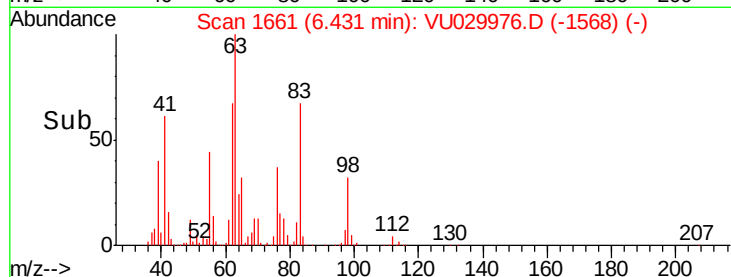
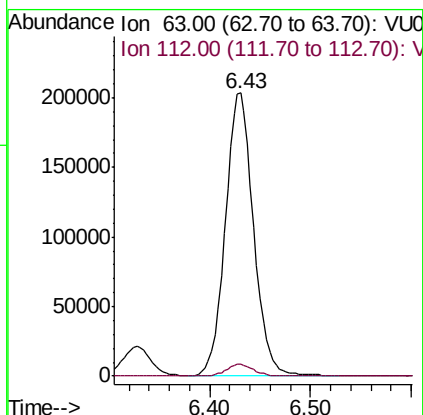
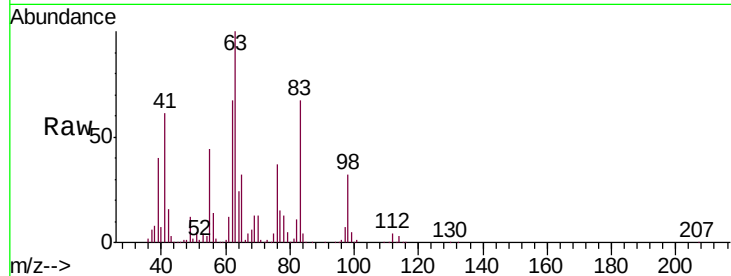




#37
 1,2-Dichloropropane
 Concen: 108.163 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

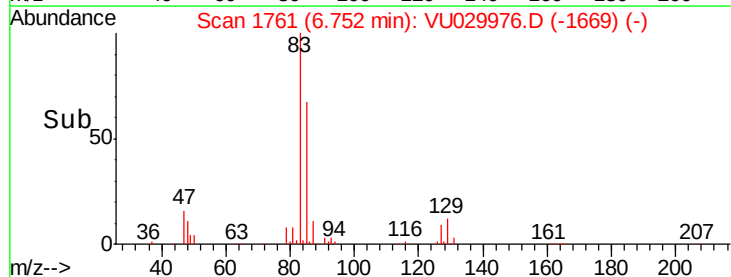
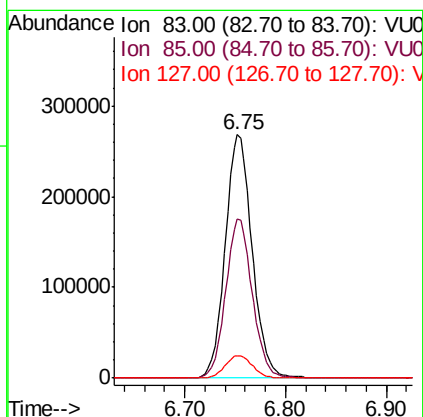
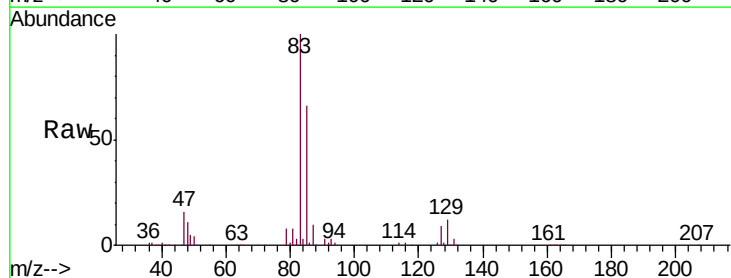
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10046

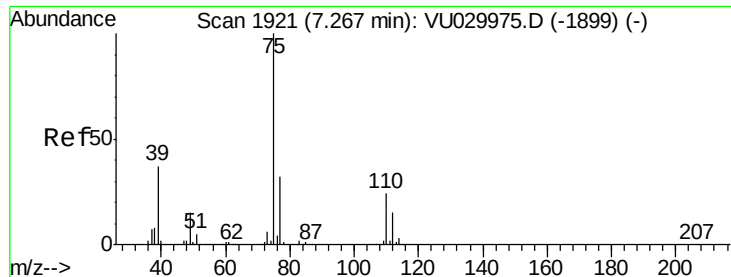
Tgt Ion: 63 Resp: 393751
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 110.113 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

Tgt Ion: 83 Resp: 500218
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.7 84.9
 127 9.3 7.7 11.5

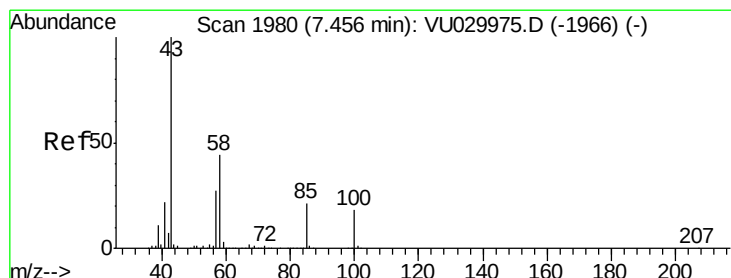
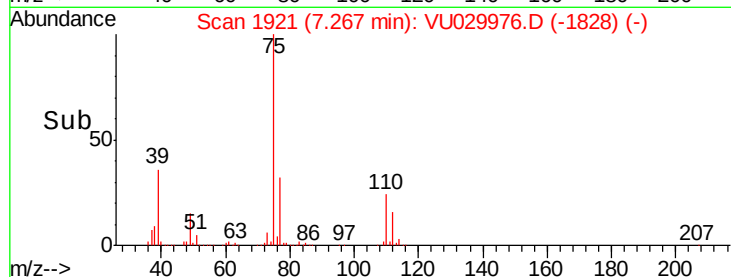
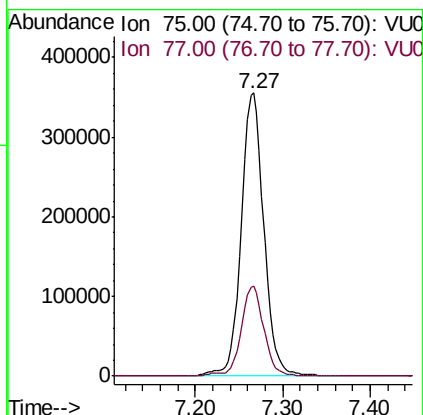
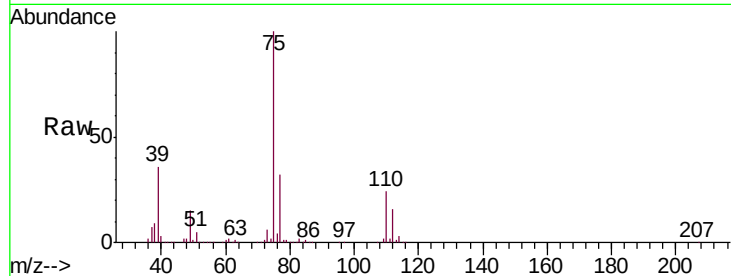




#39
 cis-1,3-Dichloropropene
 Concen: 114.961 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

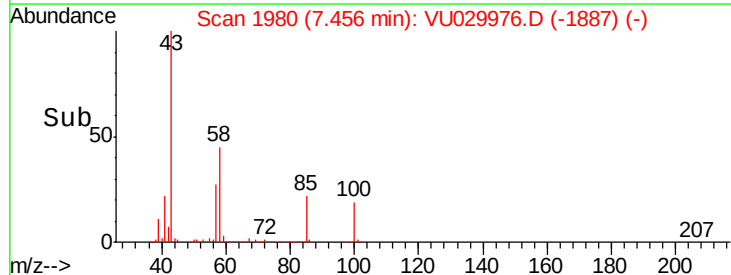
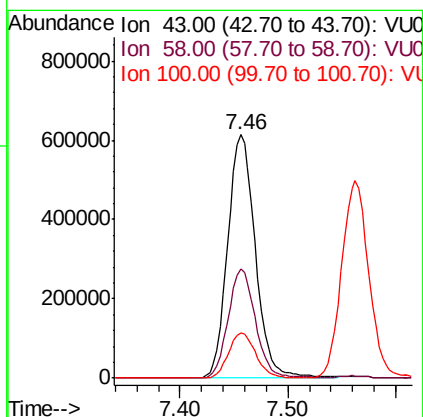
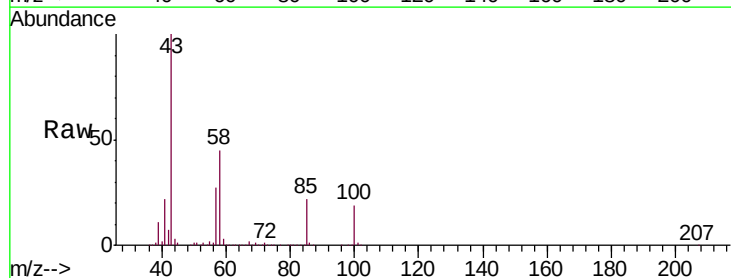
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10046

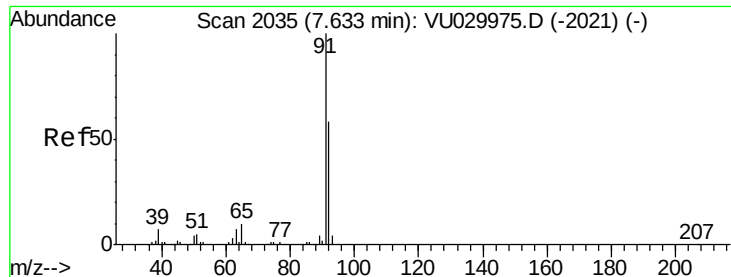
Tgt Ion: 75 Resp: 640785
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 224.678 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

Tgt Ion: 43 Resp: 1095800
 Ion Ratio Lower Upper
 43 100
 58 44.1 35.1 52.7
 100 18.5 14.4 21.6





#42

Toluene

Concen: 108.499 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

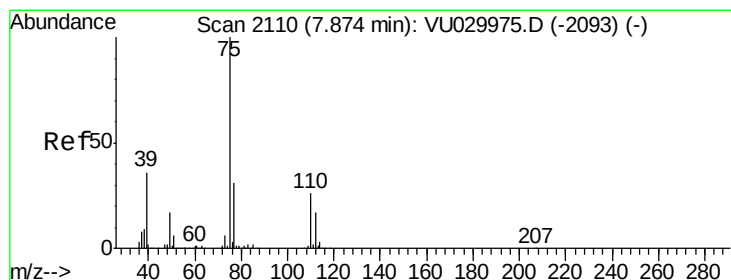
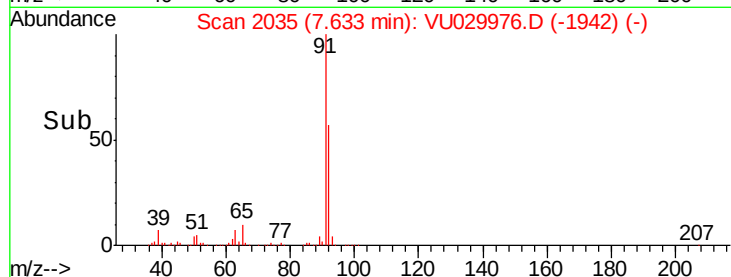
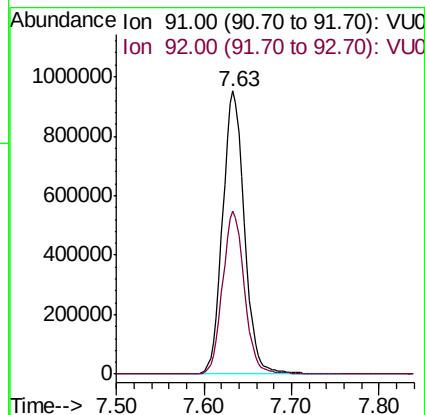
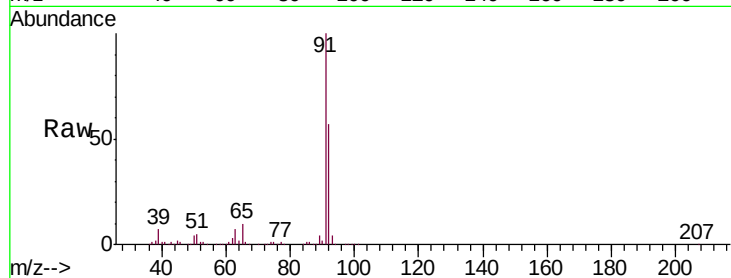
VSTD10046

Tgt Ion: 91 Resp: 1648118

Ion Ratio Lower Upper

91 100

92 57.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 118.492 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU029976.D

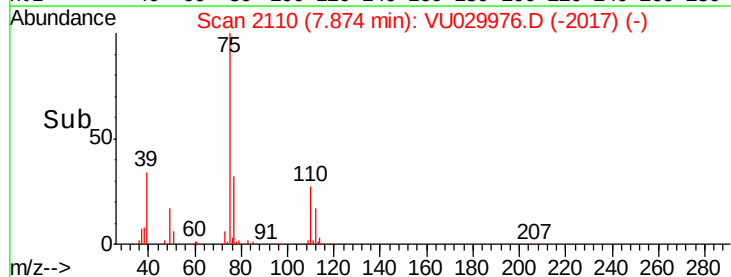
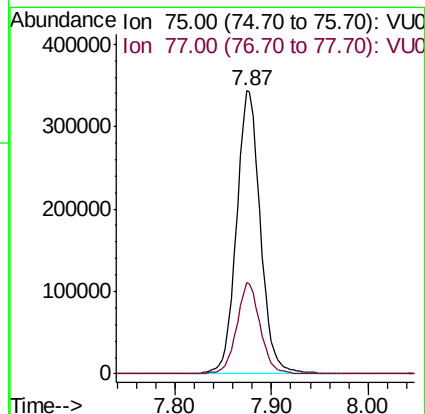
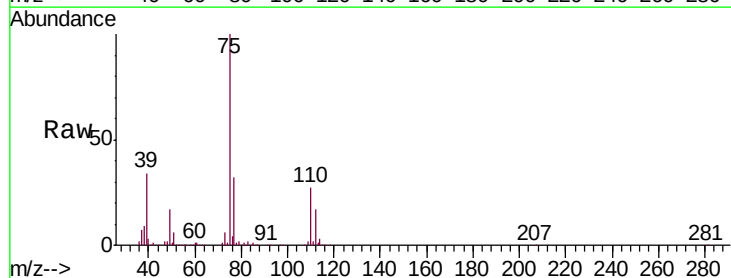
Acq: 11 Mar 2019 19:09

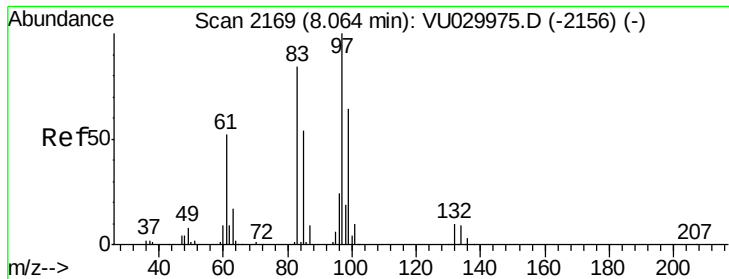
Tgt Ion: 75 Resp: 589118

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7

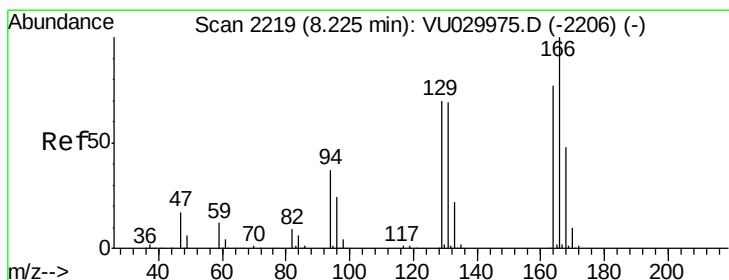
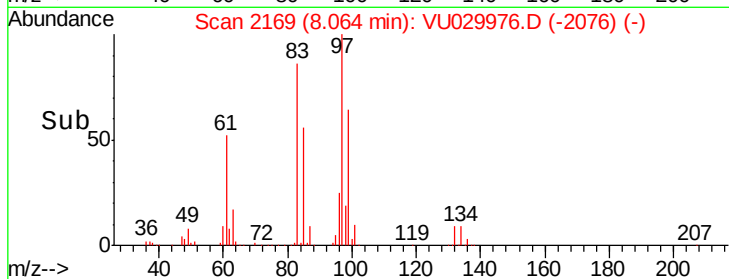
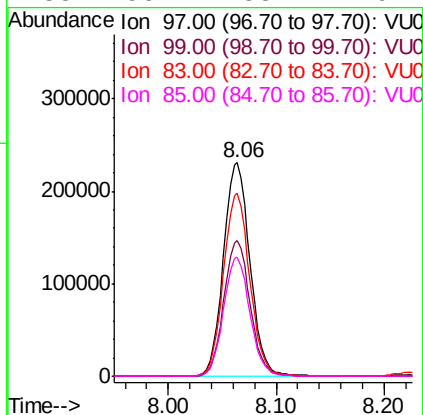
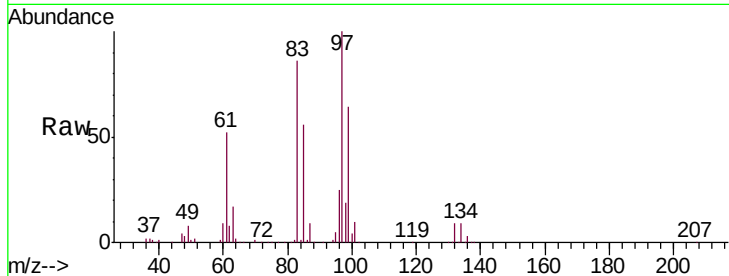




#45
 1,1,2-Trichloroethane
 Concen: 107.096 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

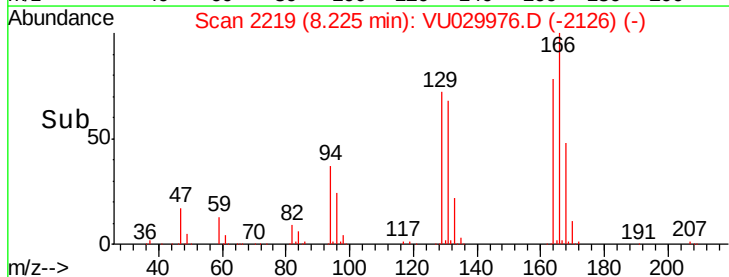
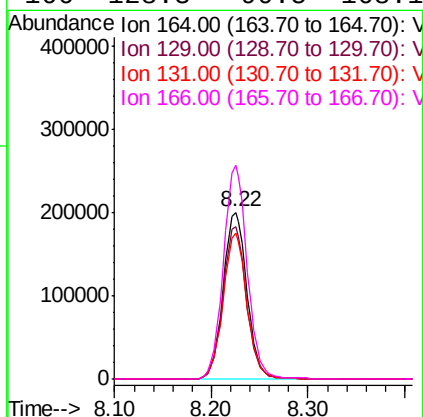
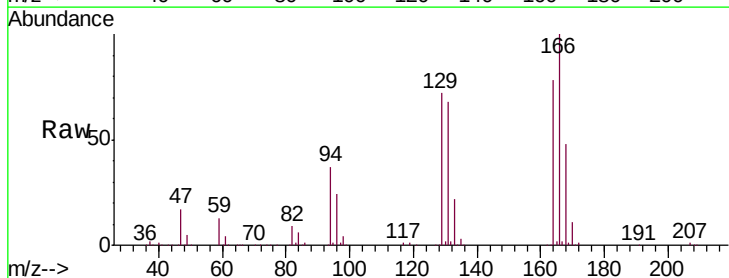
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10046

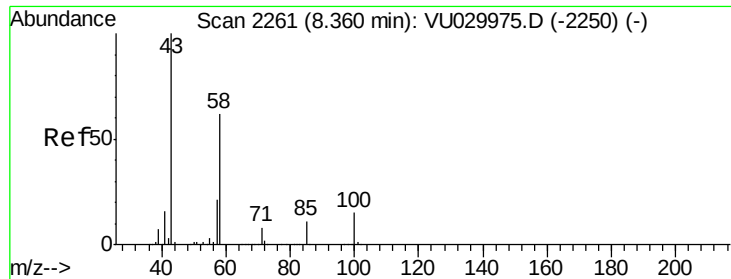
Tgt Ion:	97	Resp:	395205
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.7	82.9
83	85.7	58.6	108.8
85	55.7	38.1	70.7



#46
 Tetrachloroethene
 Concen: 105.997 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

Tgt Ion:	164	Resp:	341727
Ion	Ratio	Lower	Upper
164	100		
129	91.7	63.3	117.7
131	87.5	62.0	115.2
166	128.3	90.5	168.1

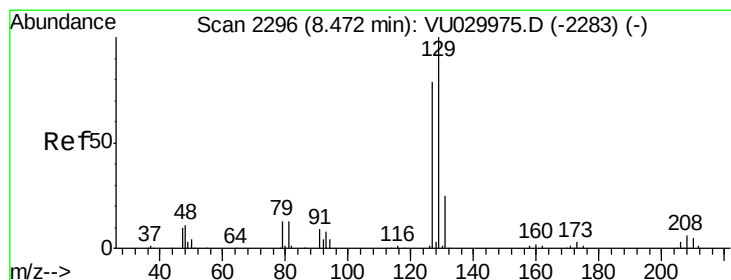
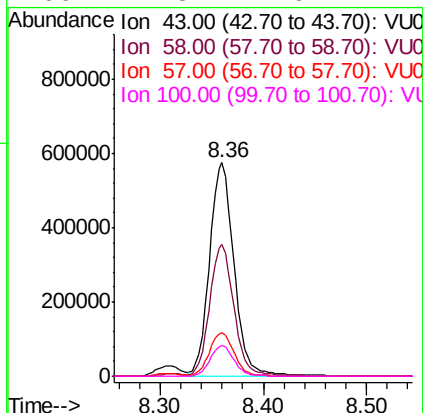
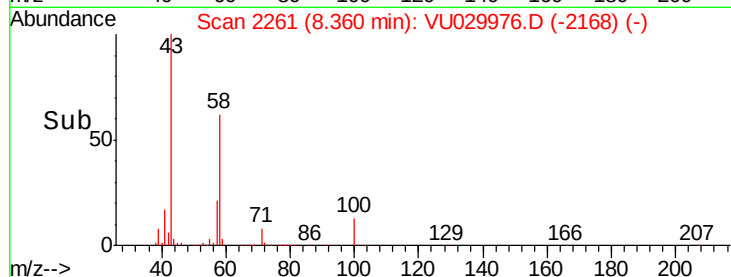
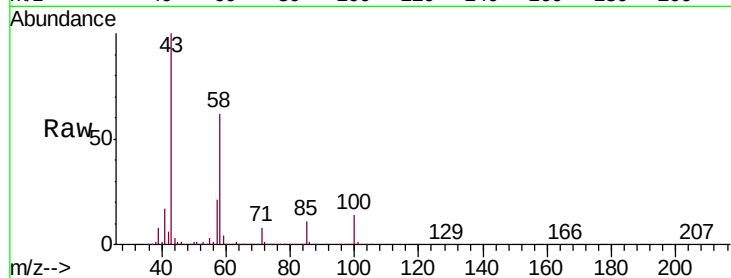




#48
2-Hexanone
Concen: 227.619 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

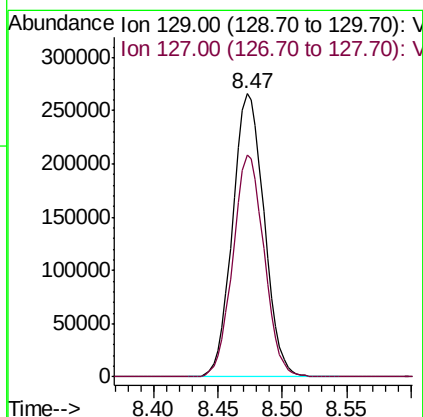
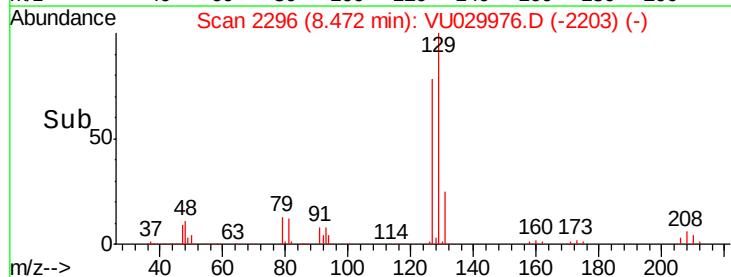
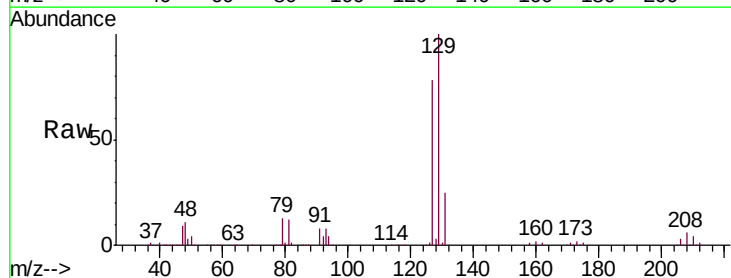
Instrument :
MSVOA_U
ClientSampleId :
VSTD10046

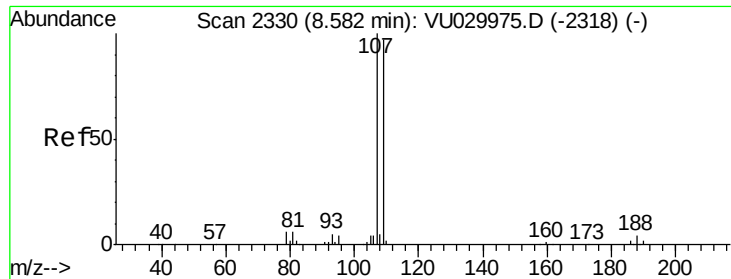
Tgt Ion: 43 Resp: 942339
Ion Ratio Lower Upper
43 100
58 61.4 48.6 72.8
57 20.7 16.1 24.1
100 14.3 11.6 17.4



#49
Dibromochloromethane
Concen: 111.624 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029976.D
Acq: 11 Mar 2019 19:09

Tgt Ion: 129 Resp: 453860
Ion Ratio Lower Upper
129 100
127 78.4 55.2 102.4

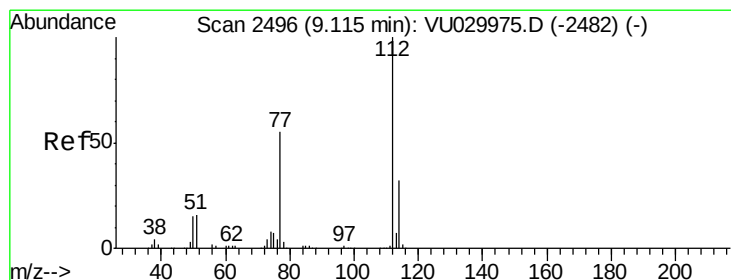
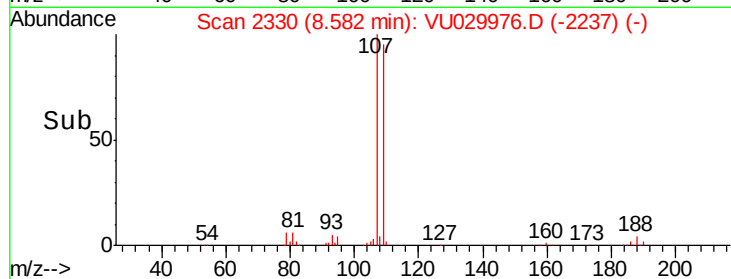
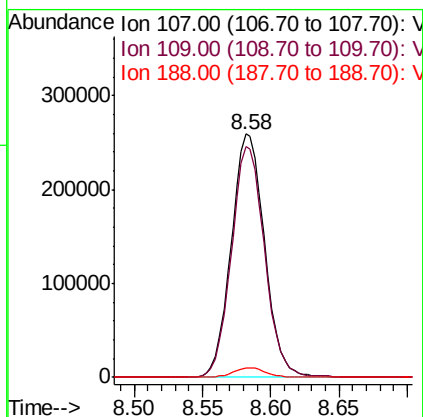
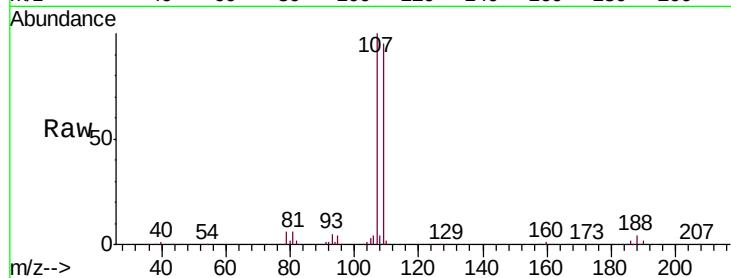




#50
 1,2-Dibromoethane
 Concen: 110.475 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

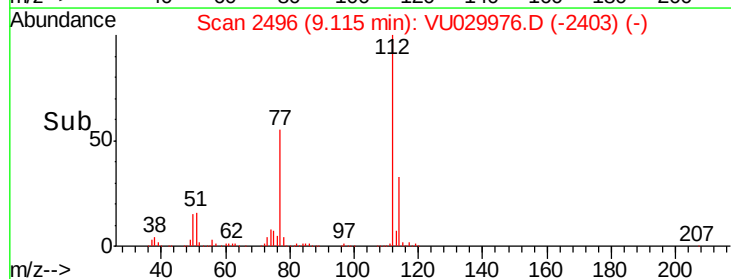
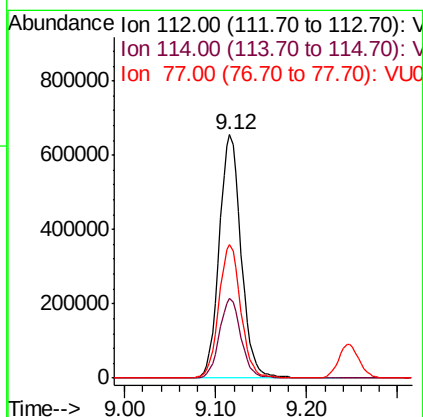
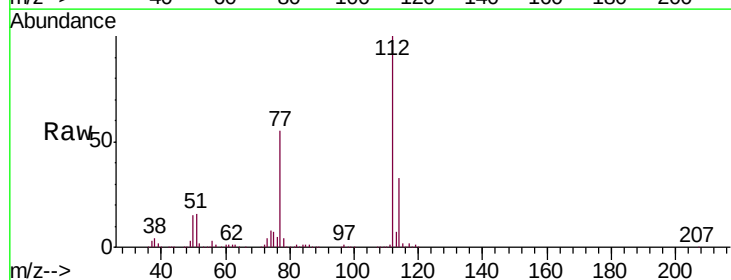
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10046

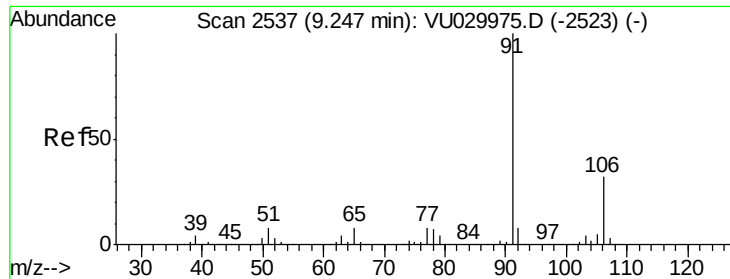
Tgt Ion:107 Resp: 439679
 Ion Ratio Lower Upper
 107 100
 109 94.9 67.8 126.0
 188 3.9 3.2 4.8



#51
 Chlorobenzene
 Concen: 106.492 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

Tgt Ion:112 Resp: 1093800
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.5 41.9
 77 54.8 44.6 66.8





#52

Ethylbenzene

Concen: 108.822 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

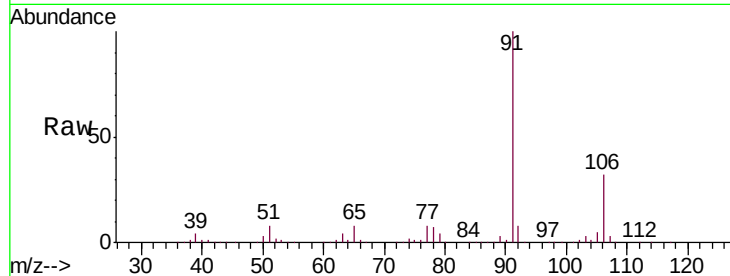
VSTD10046

Tgt Ion: 91 Resp: 1829622

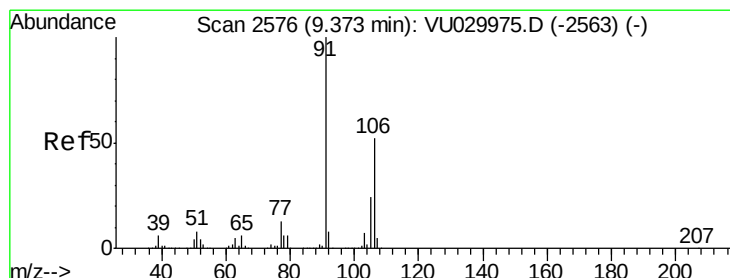
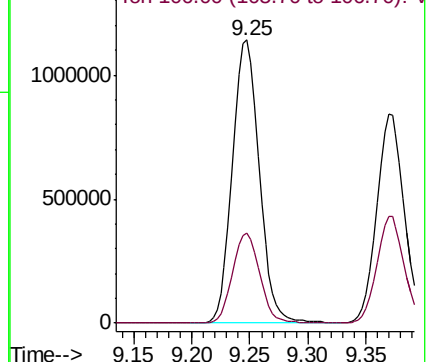
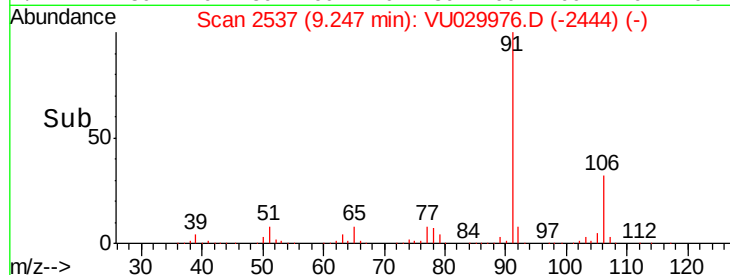
Ion Ratio Lower Upper

91 100

106 31.8 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VU029976.D (-2444) (-)



#53

m,p-Xylene

Concen: 110.656 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU029976.D

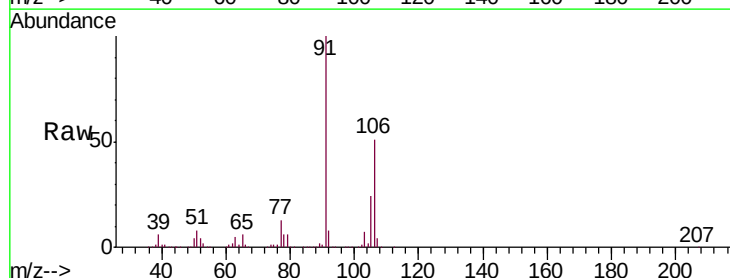
Acq: 11 Mar 2019 19:09

Tgt Ion: 106 Resp: 716676

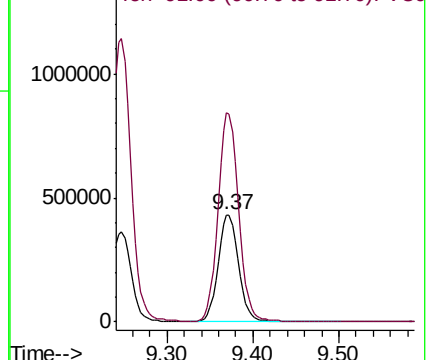
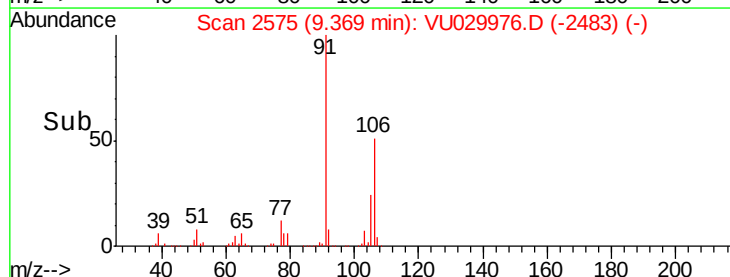
Ion Ratio Lower Upper

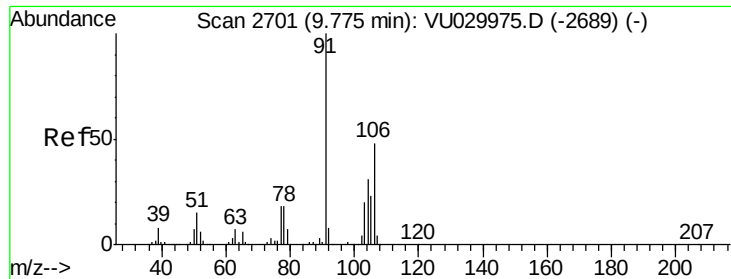
106 100

91 194.7 135.1 250.9



Abundance Ion 106.00 (105.70 to 106.70): VU029976.D (-2483) (-)





#54

o-xylene

Concen: 109.971 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

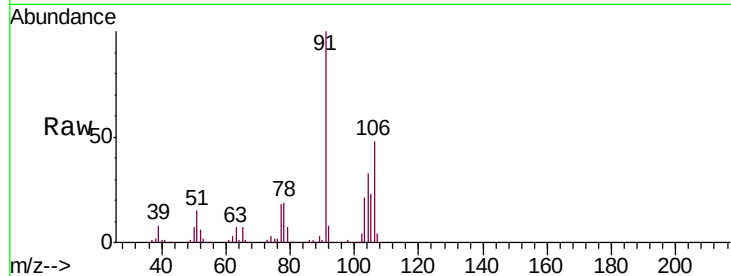
VSTD10046

Tgt Ion:106 Resp: 704737

Ion Ratio Lower Upper

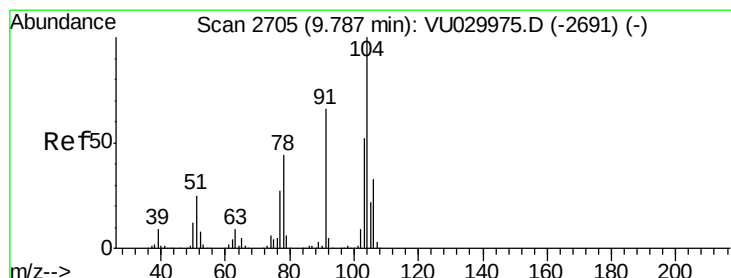
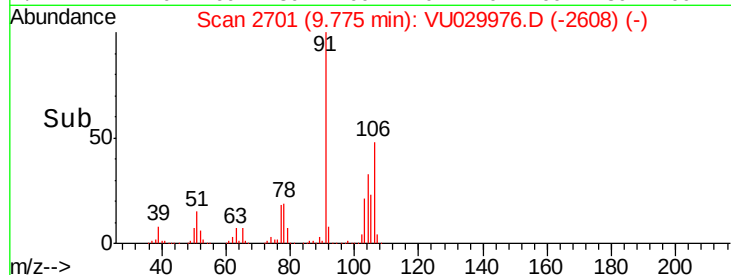
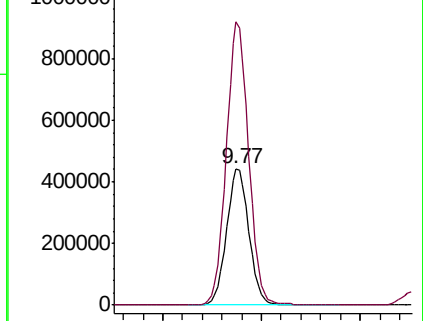
106 100

91 206.9 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 115.823 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU029976.D

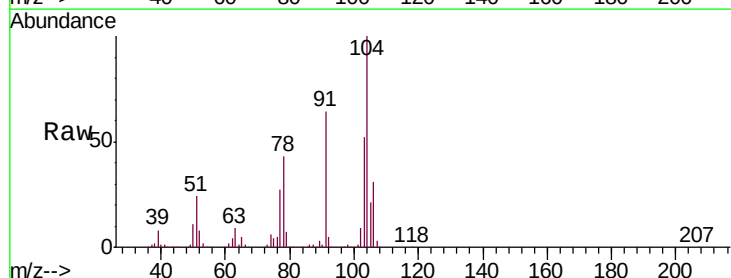
Acq: 11 Mar 2019 19:09

Tgt Ion:104 Resp: 1220767

Ion Ratio Lower Upper

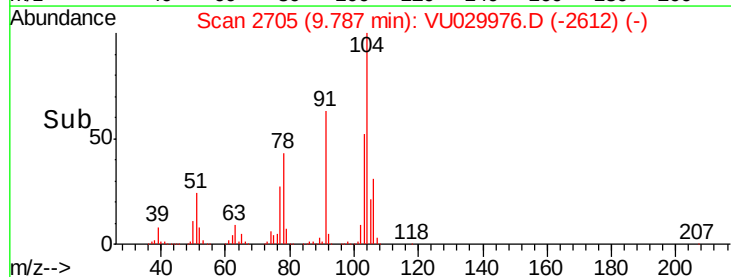
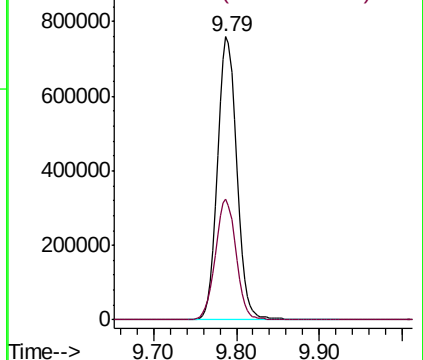
104 100

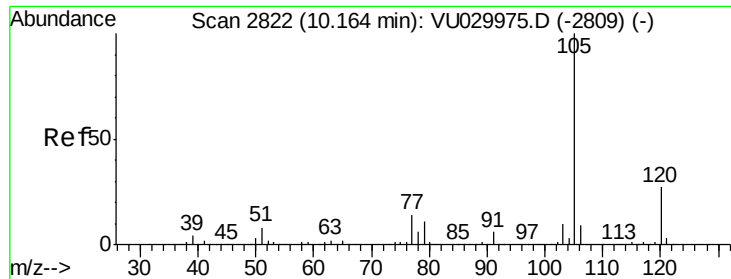
78 42.8 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 110.242 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD10046

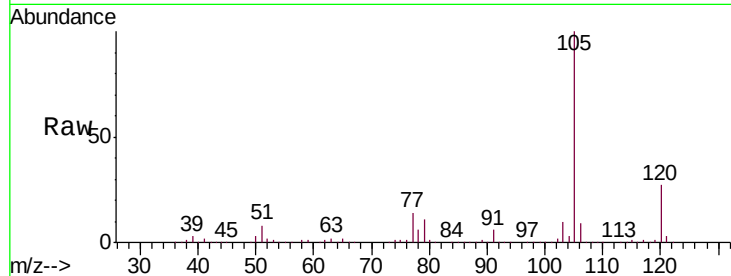
Tgt Ion:105 Resp: 1831539

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

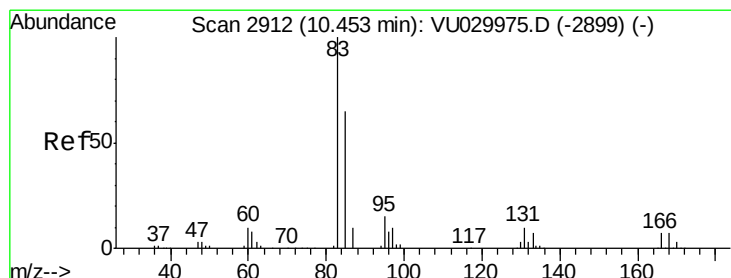
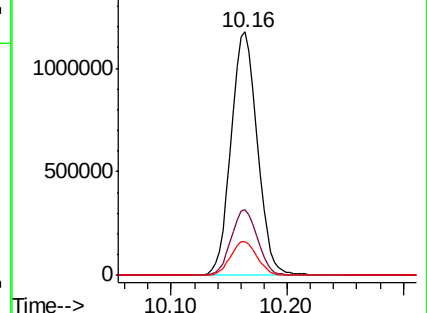
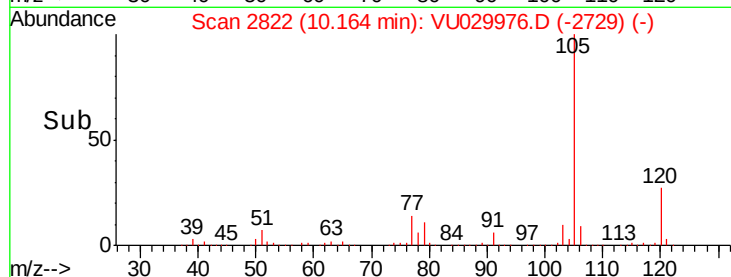
77 14.1 11.1 16.7



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: 107.529 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

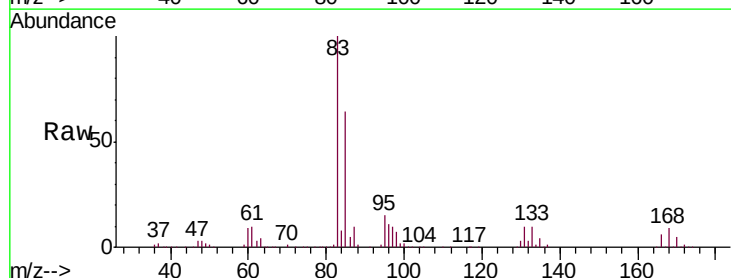
Tgt Ion: 83 Resp: 685432

Ion Ratio Lower Upper

83 100

85 64.2 45.9 85.3

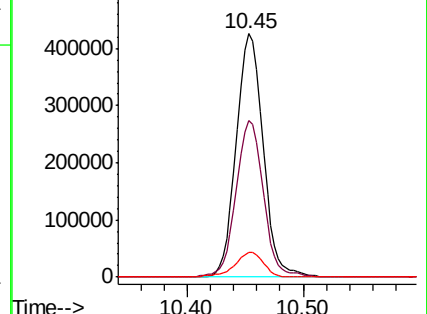
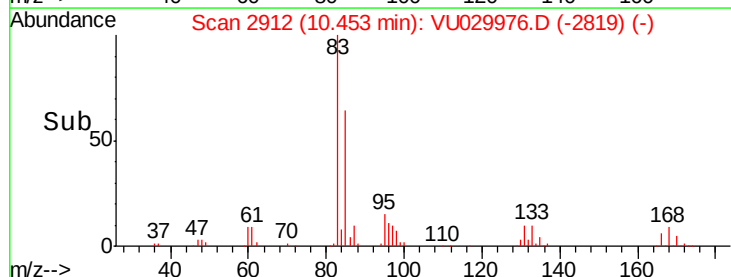
131 10.1 8.5 12.7

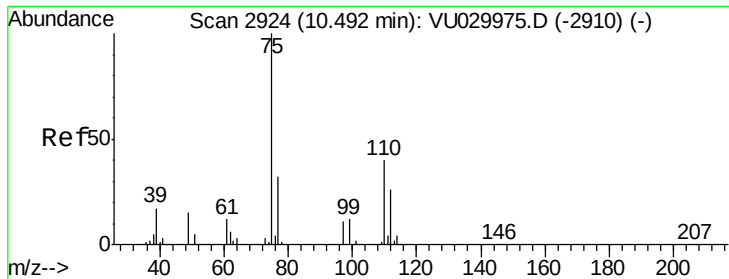


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

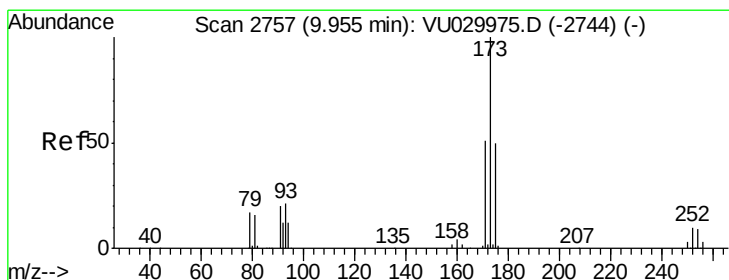
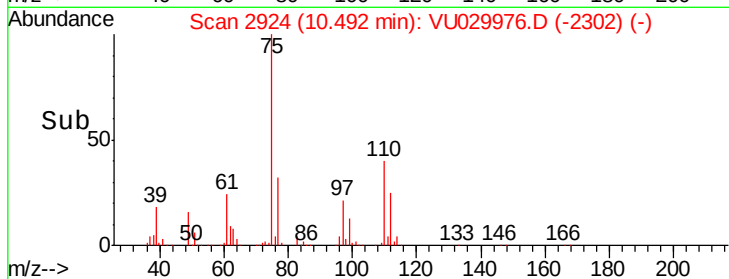
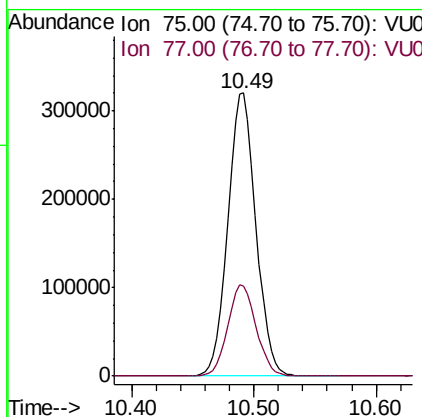
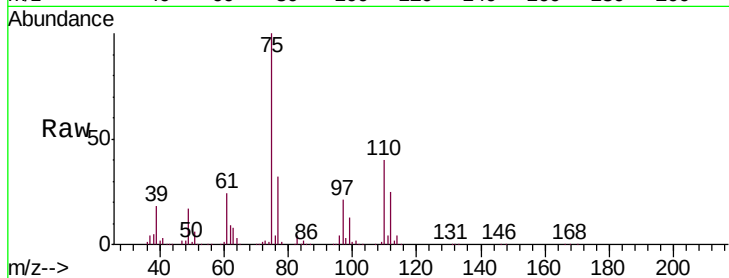




#59
 1,2,3-Trichloropropane
 Concen: 106.888 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

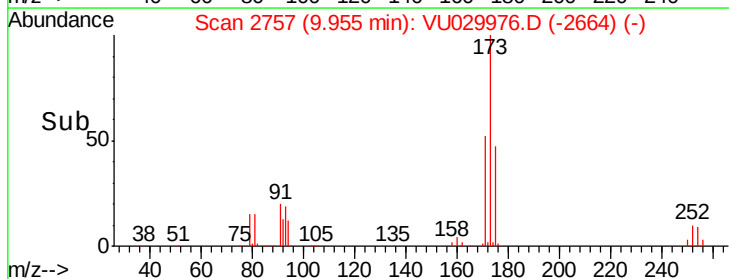
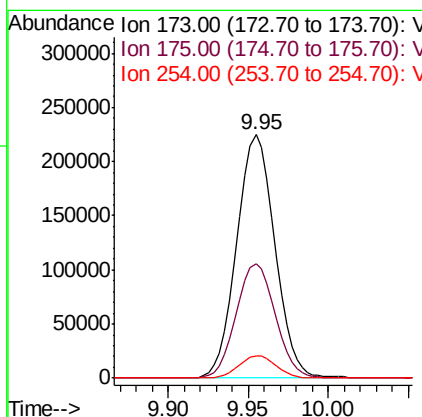
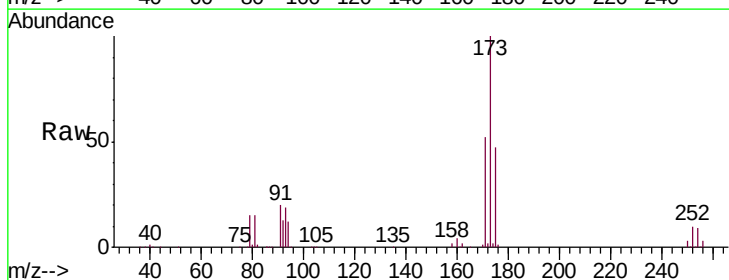
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10046

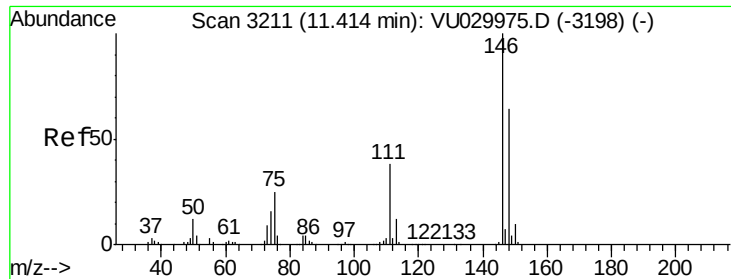
Tgt Ion: 75 Resp: 513479
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.8



#61
 Bromoform
 Concen: 112.513 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

Tgt Ion: 173 Resp: 365846
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.6
 254 9.1 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 106.114 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD10046

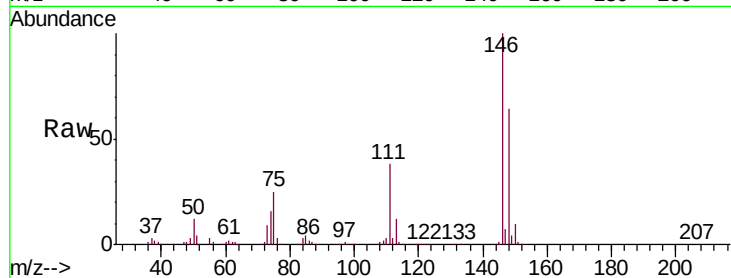
Tgt Ion:146 Resp: 902065

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.5

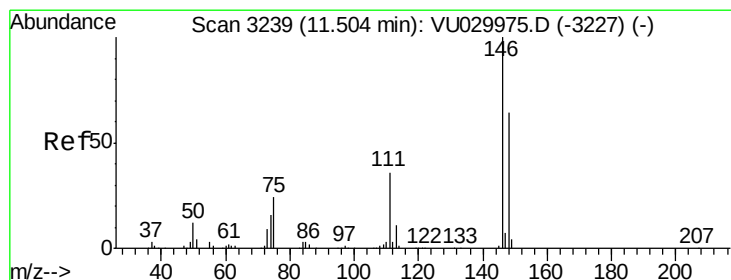
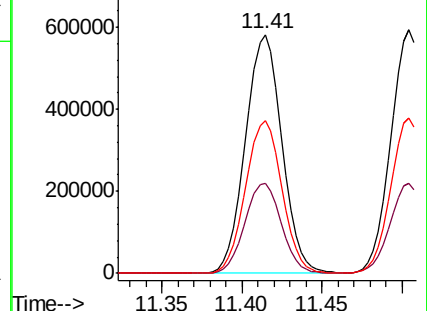
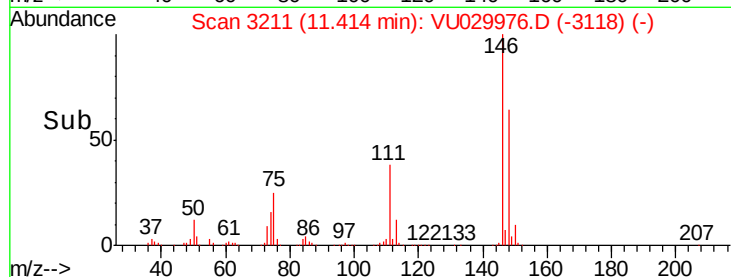
148 63.9 44.9 83.5



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: 105.361 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

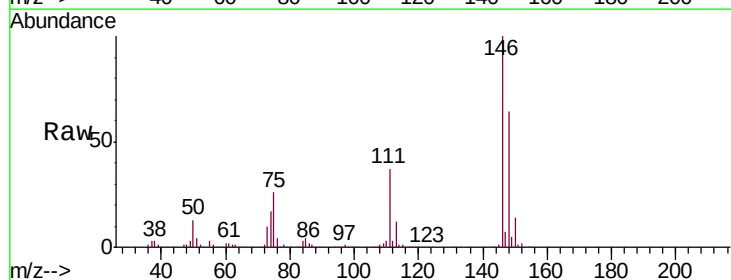
Tgt Ion:146 Resp: 917143

Ion Ratio Lower Upper

146 100

111 36.8 25.5 47.3

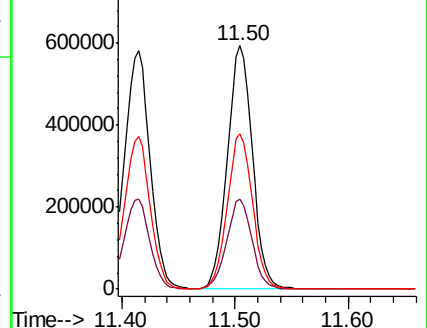
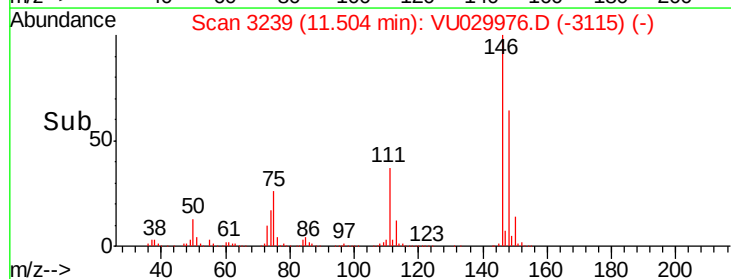
148 64.0 45.0 83.6

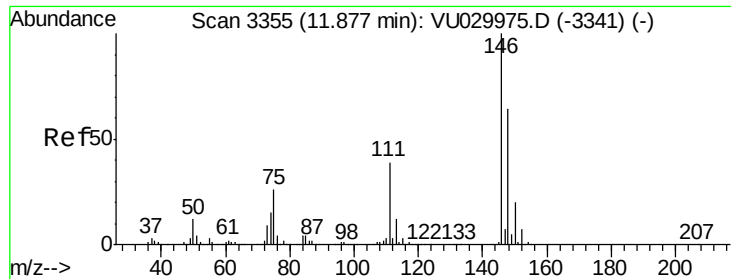


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

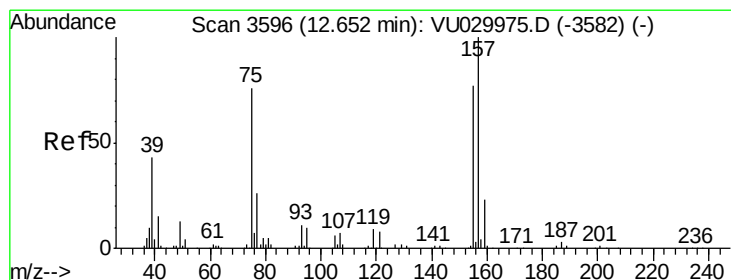
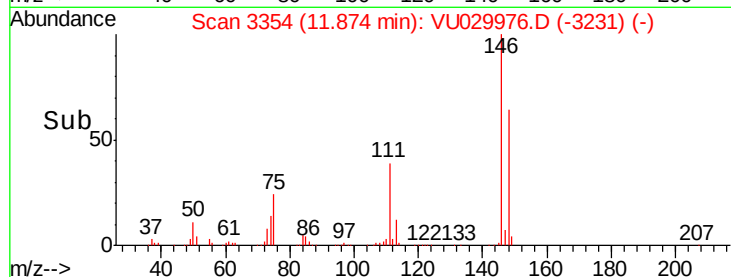
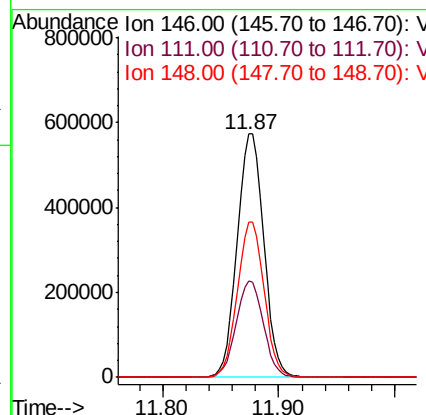
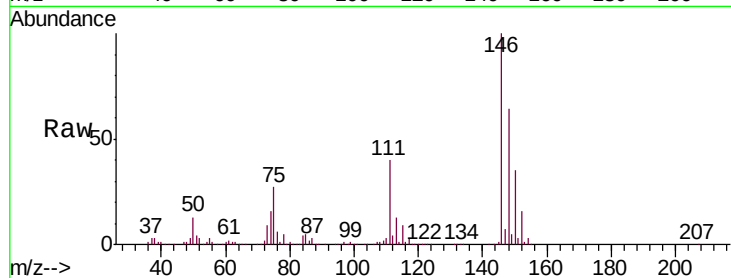




#65
 1,2-Dichlorobenzene
 Concen: 105.158 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

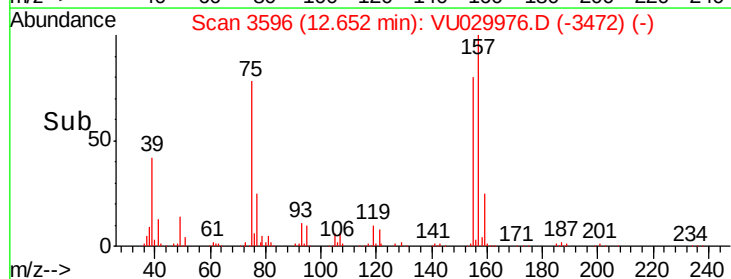
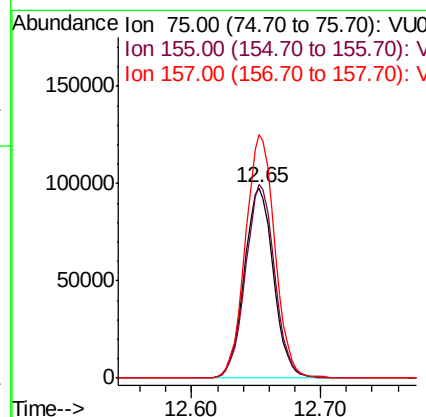
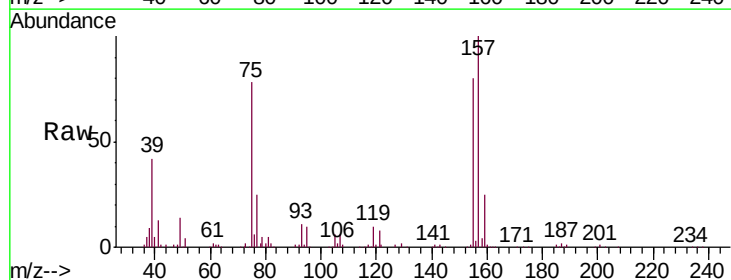
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10046

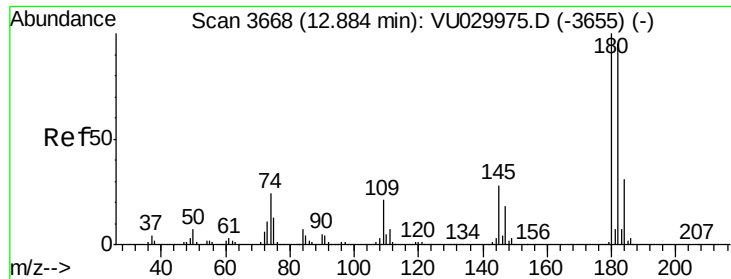
Tgt Ion:146 Resp: 911868
 Ion Ratio Lower Upper
 146 100
 111 39.8 30.9 46.3
 148 63.6 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 111.850 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

Tgt Ion: 75 Resp: 154285
 Ion Ratio Lower Upper
 75 100
 155 102.1 80.9 121.3
 157 128.1 104.6 156.8

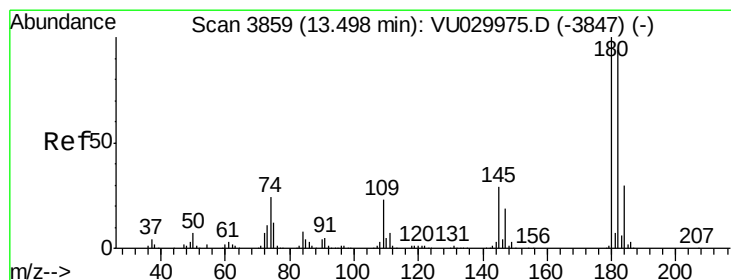
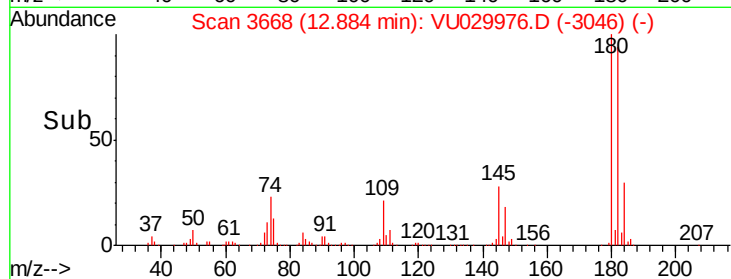
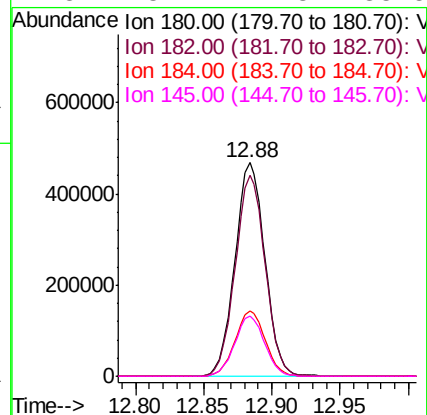
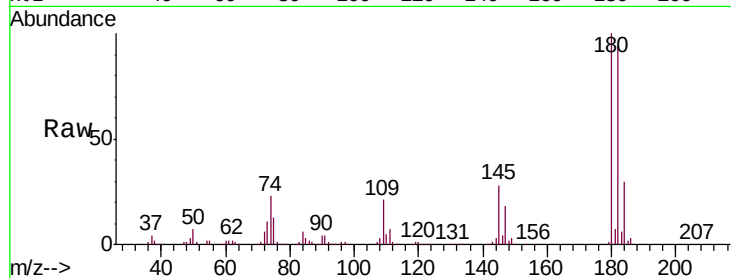




#67
 1,3,5-Trichlorobenzene
 Concen: 109.835 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

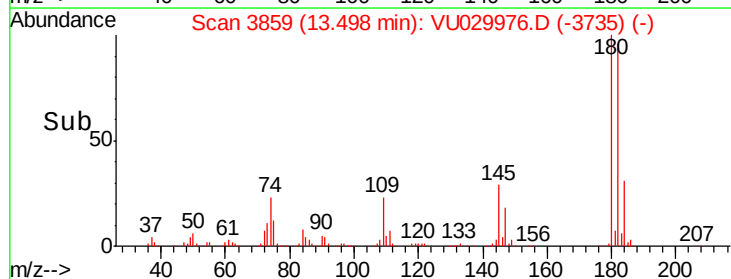
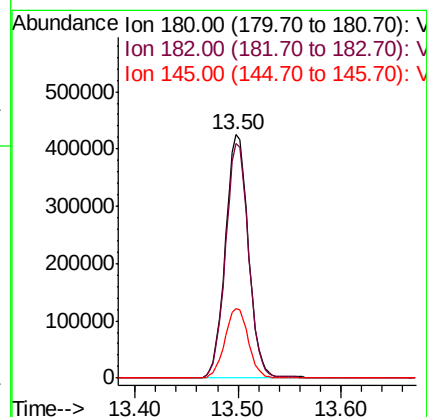
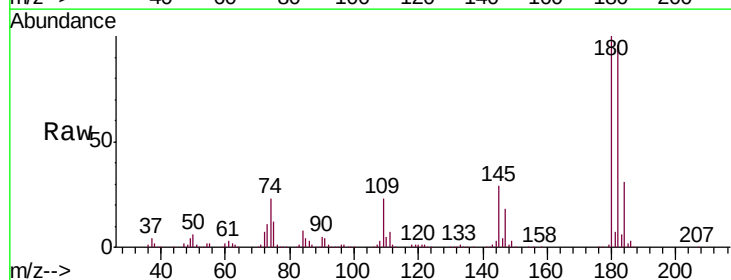
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10046

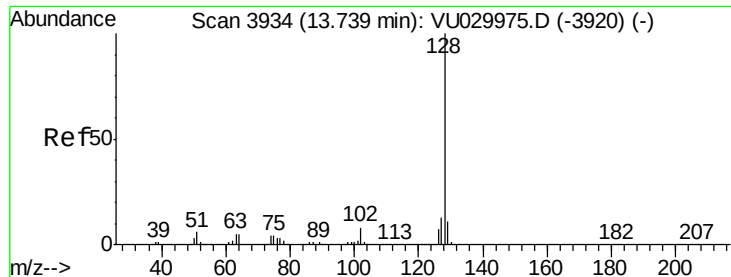
Tgt Ion:	180	Resp:	712953
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.3	114.5
184	30.7	24.7	37.1
145	28.4	22.3	33.5



#68
 1,2,4-trichlorobenzene
 Concen: 113.897 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU029976.D
 Acq: 11 Mar 2019 19:09

Tgt Ion:	180	Resp:	662154
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	29.0	23.0	34.4





#69

Naphthalene

Concen: 121.582 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD10046

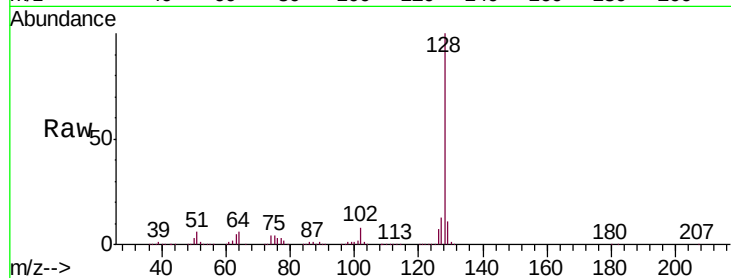
Tgt Ion:128 Resp: 2226314

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

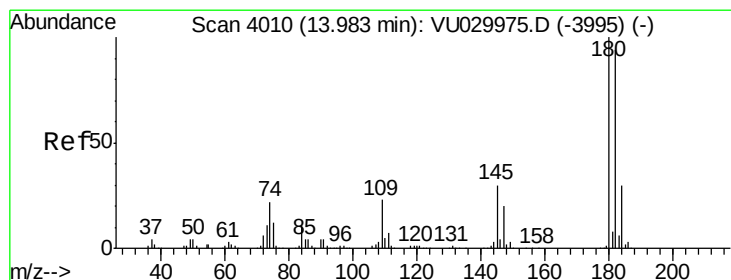
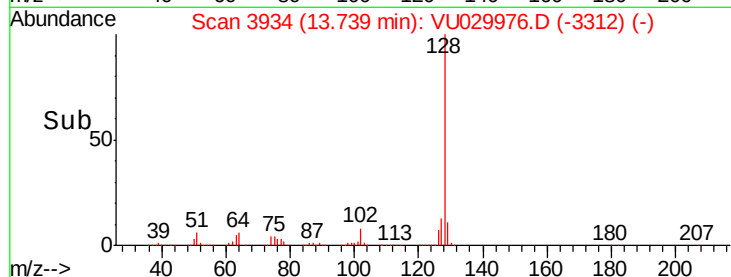
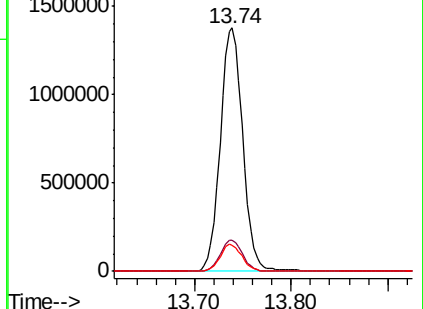
129 10.9 8.7 13.1



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: 110.854 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029976.D

Acq: 11 Mar 2019 19:09

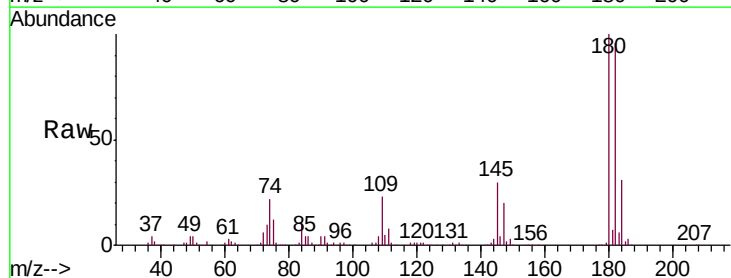
Tgt Ion:180 Resp: 679144

Ion Ratio Lower Upper

180 100

182 95.8 75.9 113.9

145 30.4 24.0 36.0



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

