

Data File : VU027127.D
Acq On : 25 Sep 2018 12:22
Operator : MD/SY
Sample : VSTDICC200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20054

Quant Time: Sep 26 01:45:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 01:42:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	182784	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180867	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90520	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	339120	208.55	ug/L	0.00
7) Chloroethane-d5	1.66	69	252378	198.19	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	633468	204.81	ug/L	0.00
21) 2-Butanone-d5	4.18	46	577238	436.57	ug/L	0.00
24) Chloroform-d	4.65	84	554240	214.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	375406	202.85	ug/L	0.00
32) Benzene-d6	5.34	84	1109872	207.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	397222	208.25	ug/L	0.00
41) Toluene-d8	7.57	98	1016550	214.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	194330	228.12	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	442534	480.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	541345	211.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	375748	203.17	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	361476	202.499	ug/L	99
3) Chloromethane	1.33	50	458520	202.101	ug/L	99
5) Vinyl chloride	1.40	62	427307	200.665	ug/L	100
6) Bromomethane	1.60	94	207923	229.180	ug/L	98
8) Chloroethane	1.68	64	235914	190.182	ug/L	99
9) Trichlorofluoromethane	1.88	101	450253	198.529	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	255591	196.335	ug/L	99
12) 1,1-Dichloroethene	2.28	96	241006	199.879	ug/L	91
13) Acetone	2.32	43	433007	354.613	ug/L	99
14) Carbon disulfide	2.47	76	828581	197.442	ug/L	100
15) Methyl Acetate	2.61	43	429016	193.367	ug/L	100
16) Methylene chloride	2.70	84	302906	195.517	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	262341	199.570	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	966267	210.960	ug/L	99
19) 1,1-Dichloroethane	3.45	63	601197	199.004	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	306362	207.081	ug/L	99
22) 2-Butanone	4.26	43	654012	410.600	ug/L	100
23) Bromochloromethane	4.55	128	135795	195.192	ug/L	98
25) Chloroform	4.67	83	548601	193.649	ug/L	98
27) 1,2-Dichloroethane	5.40	62	468856	199.460	ug/L	99
29) Cyclohexane	5.00	56	580064	218.133	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	447173	197.533	ug/L	99
31) Carbon tetrachloride	5.13	117	383359	199.878	ug/L	99
33) Benzene	5.39	78	1202626	198.163	ug/L	100
34) Trichloroethene	6.19	95	283042	199.905	ug/L	99
35) Methylcyclohexane	6.42	83	509929	213.656	ug/L	99
37) 1,2-Dichloropropane	6.43	63	367351	197.382	ug/L	99
38) Bromodichloromethane	6.76	83	426302	201.651	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	562807	224.723	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1205014	441.351	ug/L	99

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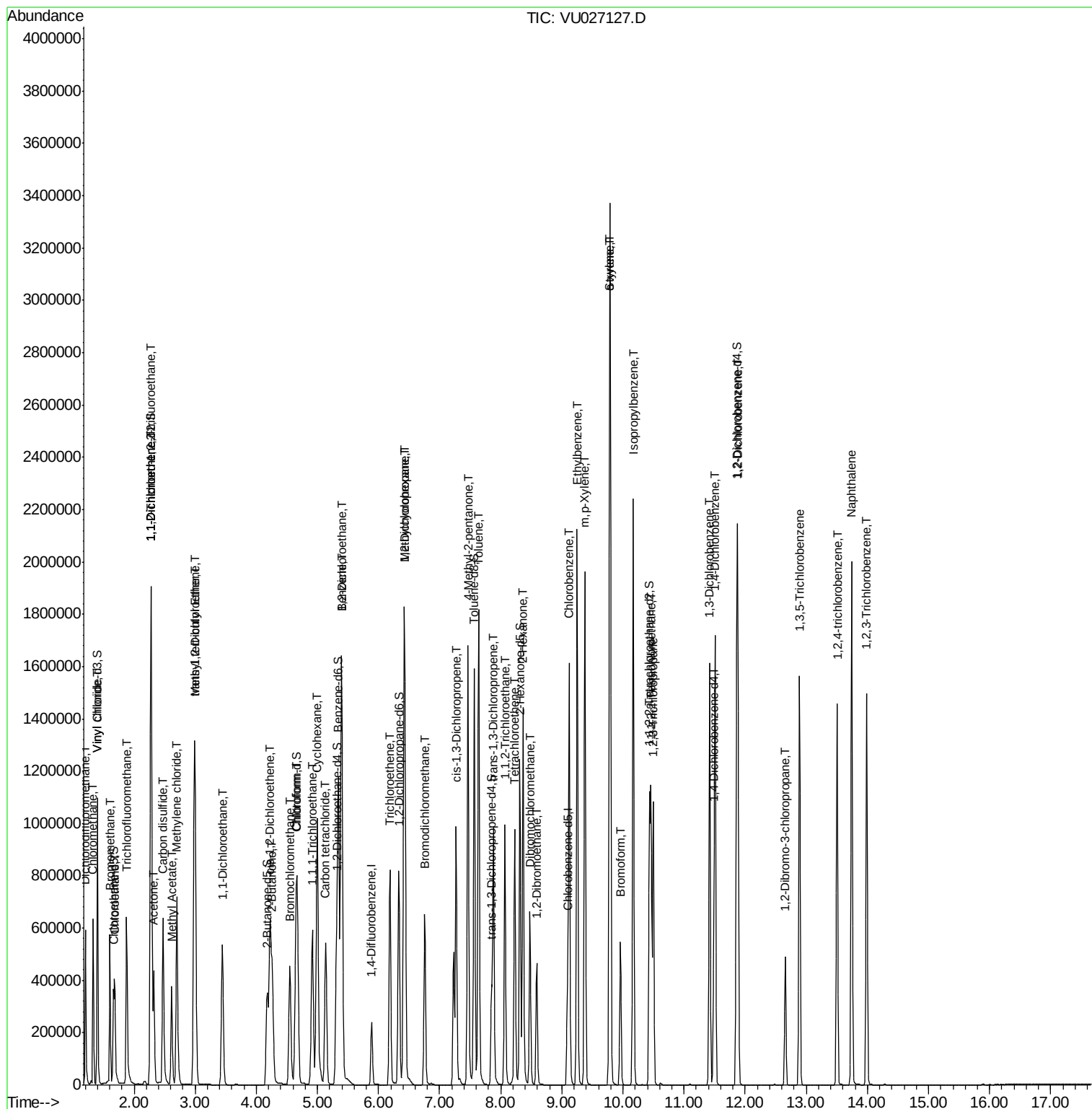
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1253075	209.342	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	526189	217.400	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	291290	197.547	ug/L	98
46) Tetrachloroethene	8.23	164	206181	203.055	ug/L	98
48) 2-Hexanone	8.37	43	953578	428.013	ug/L	99
49) Dibromochloromethane	8.48	129	315522	209.723	ug/L	99
50) 1,2-Dibromoethane	8.59	107	305800	201.938	ug/L	98
51) Chlorobenzene	9.12	112	766257	202.369	ug/L	99
52) Ethylbenzene	9.25	91	1428519	218.557	ug/L	99
53) m,p-Xylene	9.38	106	514293	221.003	ug/L	98
54) o-xylene	9.78	106	512531	224.838	ug/L	98
55) Styrene	9.79	104	898660	229.930	ug/L	99
56) Isopropylbenzene	10.17	105	1365712	229.479	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	550719	204.803	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	441098	203.022	ug/L	100
61) Bromoform	9.96	173	229710	197.611	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	579088	205.776	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	592008	198.273	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	597566	196.603	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	125928	204.165	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	432915	210.738	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	397007	227.165	ug/L	100
69) Naphthalene	13.74	128	1425776	240.263	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	409783	213.435	ug/L	100

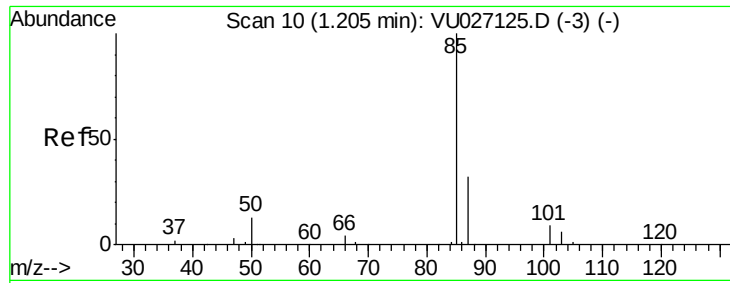
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 202.499 ug/L

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

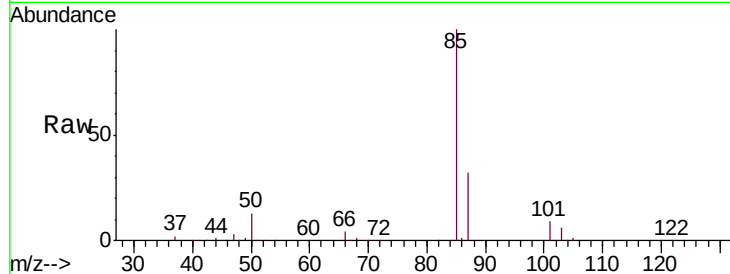
VSTD20054

Tgt Ion: 85 Resp: 361476

Ion Ratio Lower Upper

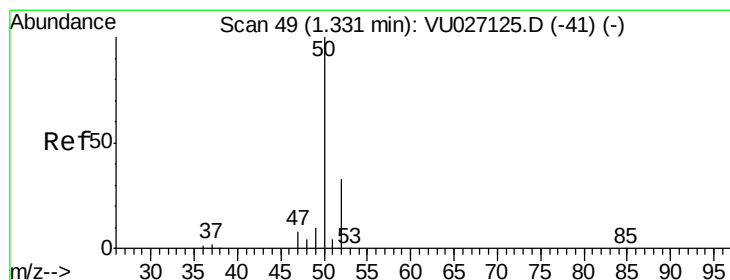
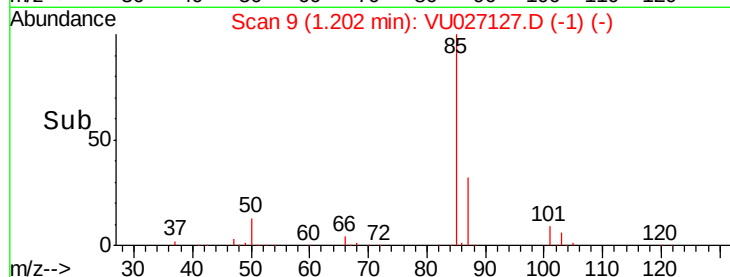
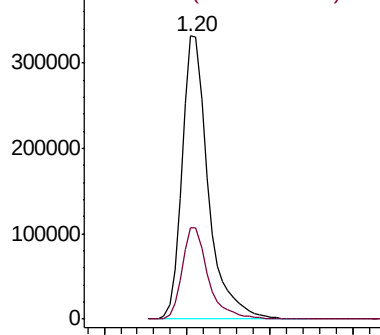
85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 202.101 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027127.D

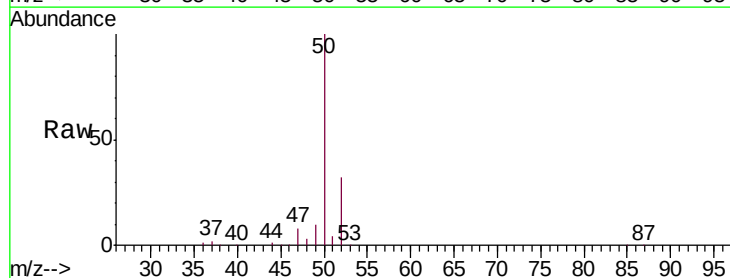
Acq: 25 Sep 2018 12:22

Tgt Ion: 50 Resp: 458520

Ion Ratio Lower Upper

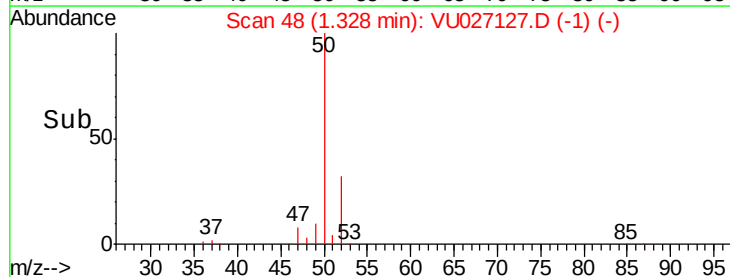
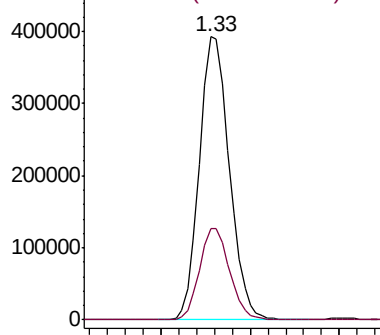
50 100

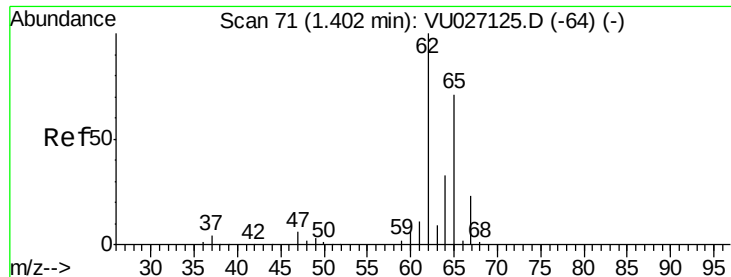
52 32.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 200.665 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

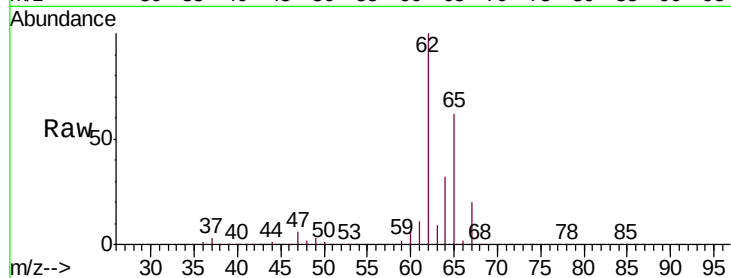
VSTD20054

Tgt Ion: 62 Resp: 427307

Ion Ratio Lower Upper

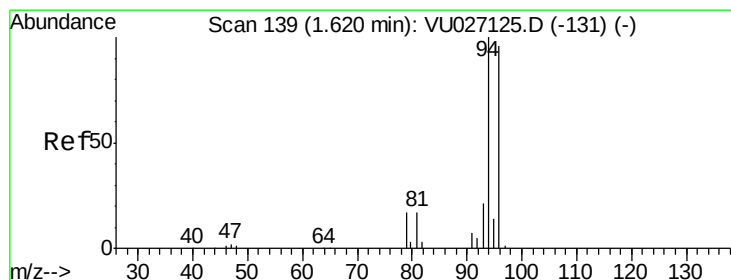
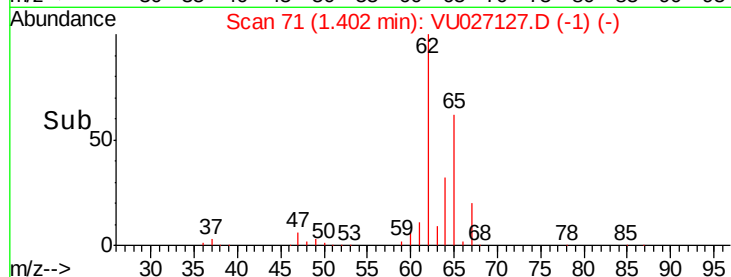
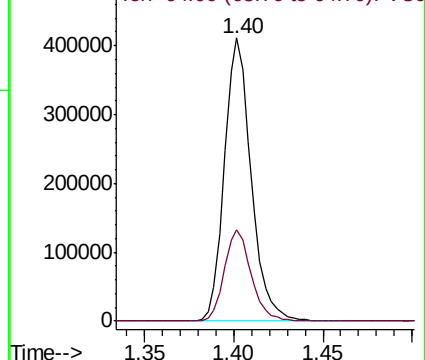
62 100

64 32.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 229.180 ug/L

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU027127.D

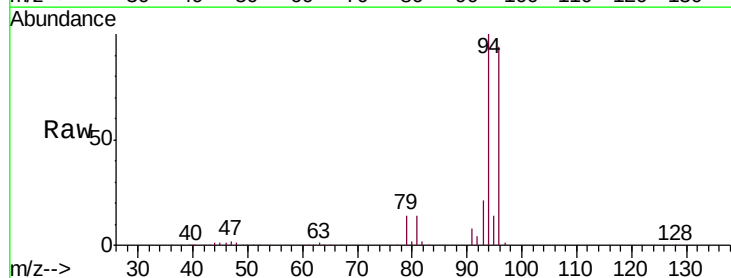
Acq: 25 Sep 2018 12:22

Tgt Ion: 94 Resp: 207923

Ion Ratio Lower Upper

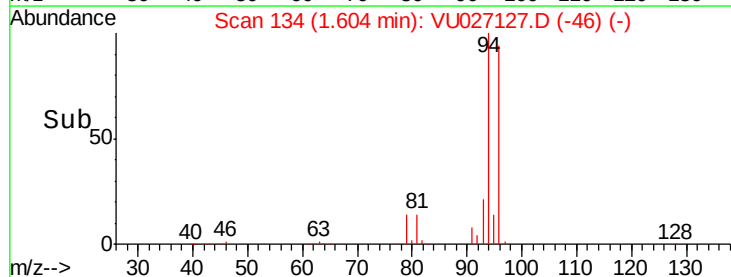
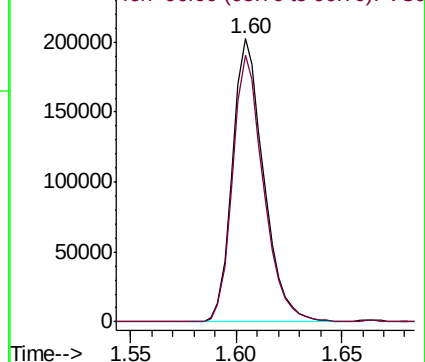
94 100

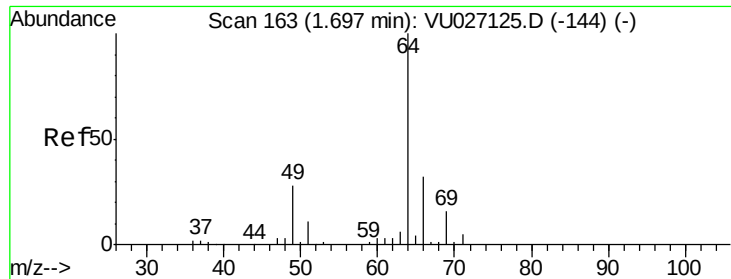
96 94.2 67.1 124.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

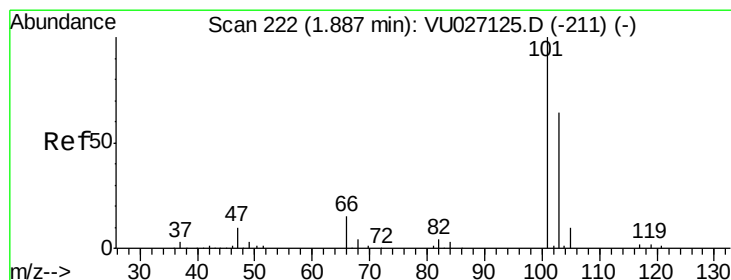
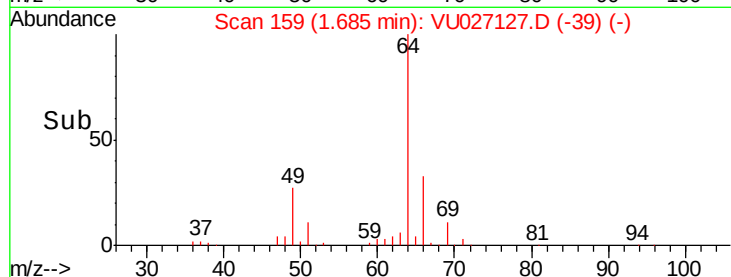
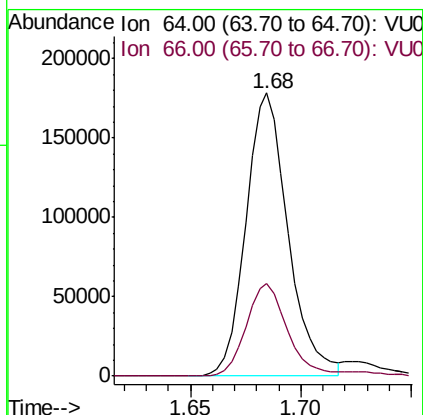
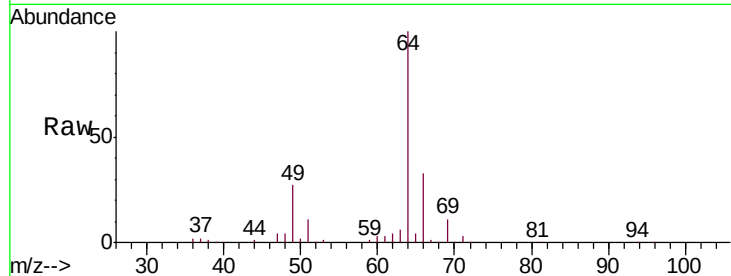




#8
 Chloroethane
 Concen: 190.182 ug/L
 RT: 1.68 min Scan# 159
 Delta R.T. -0.01 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

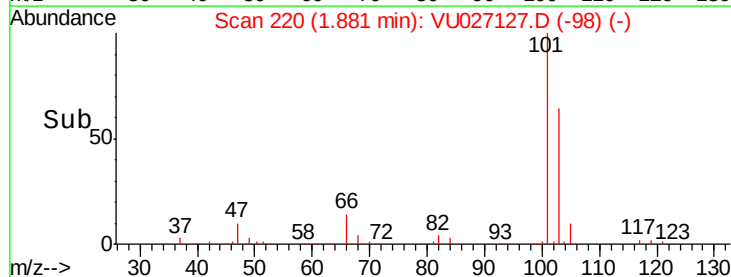
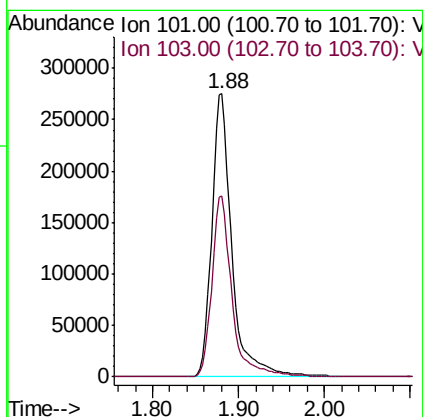
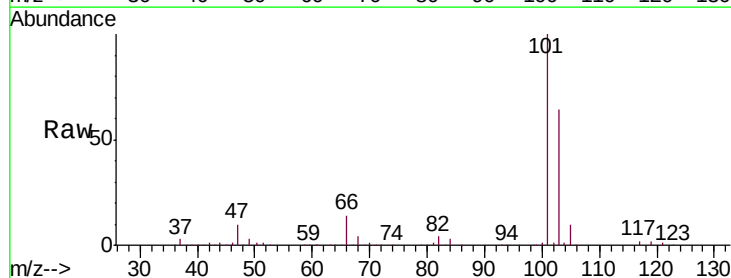
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20054

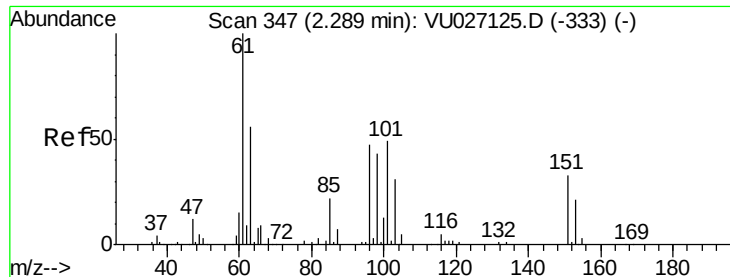
Tgt Ion: 64 Resp: 235914
 Ion Ratio Lower Upper
 64 100
 66 32.6 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 198.529 ug/L
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

Tgt Ion: 101 Resp: 450253
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.2 76.8





#10

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

Concen: 196.335 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20054

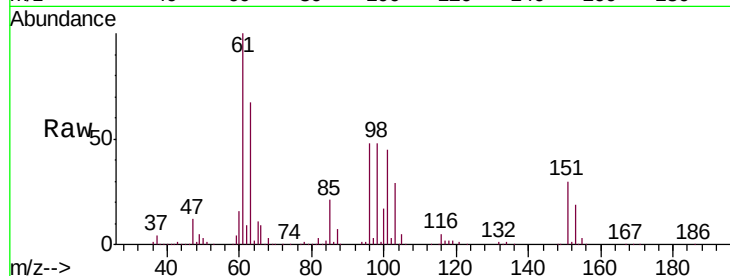
Tgt Ion: 101 Resp: 255591

Ion Ratio Lower Upper

101 100

85 46.1 37.0 55.6

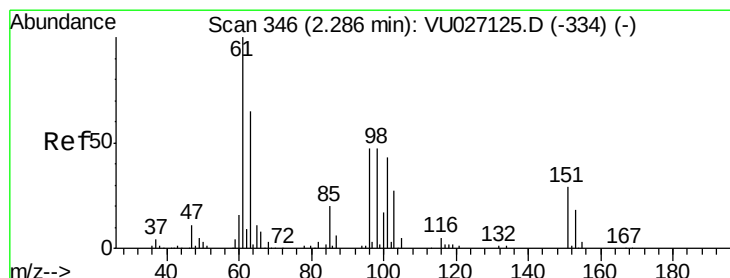
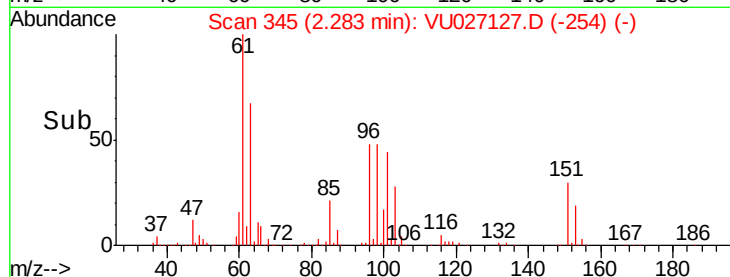
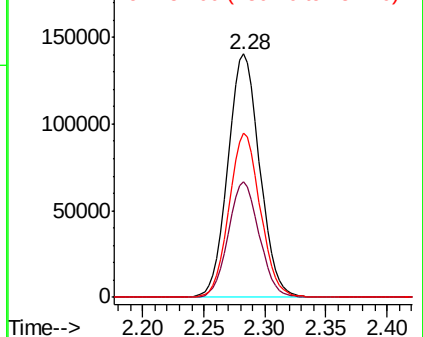
151 66.3 53.5 80.3



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: 199.879 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

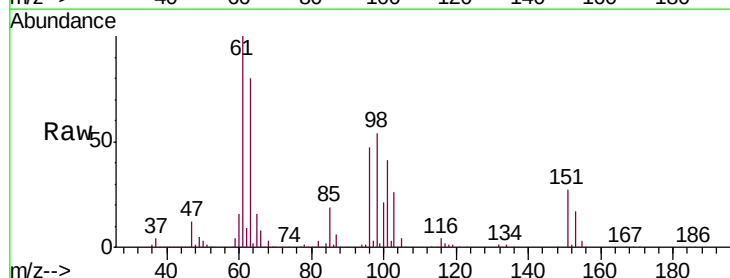
Tgt Ion: 96 Resp: 241006

Ion Ratio Lower Upper

96 100

61 213.1 150.0 278.6

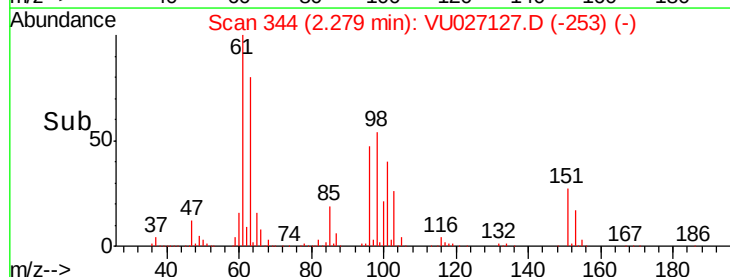
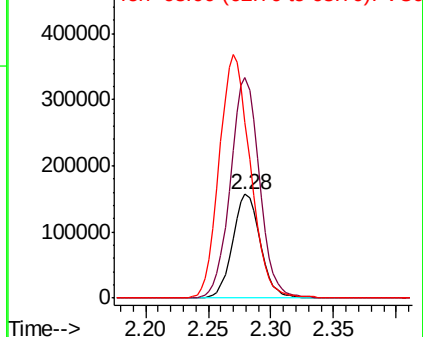
63 170.4 101.8 189.0

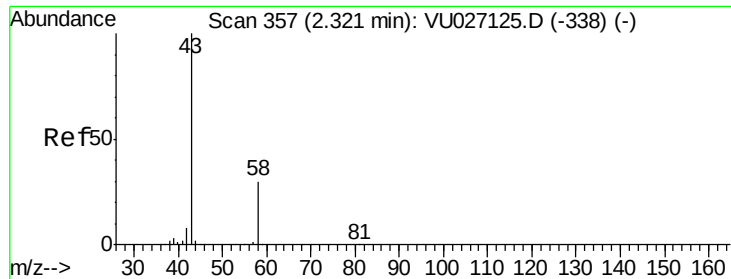


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 354.613 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

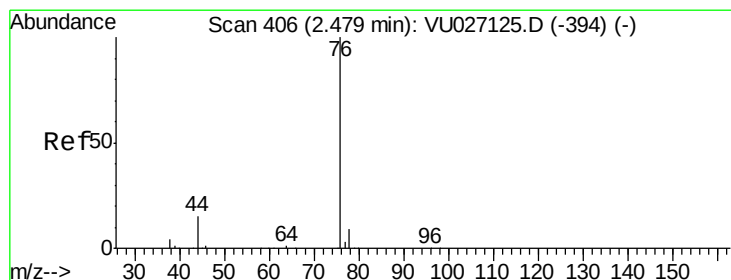
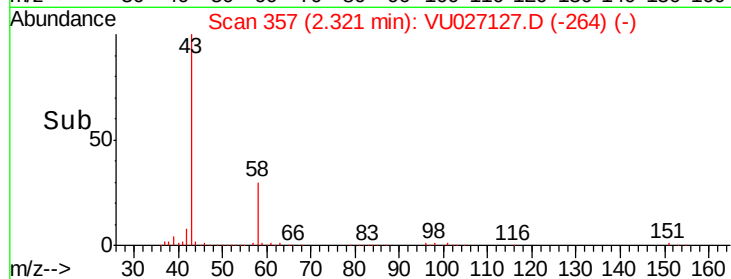
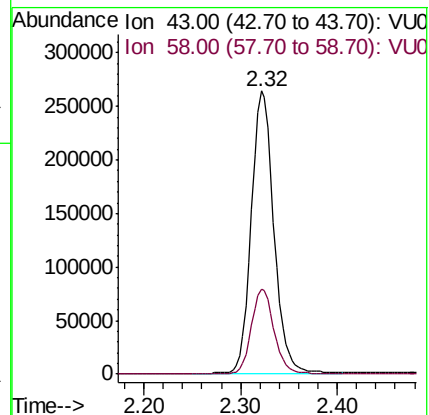
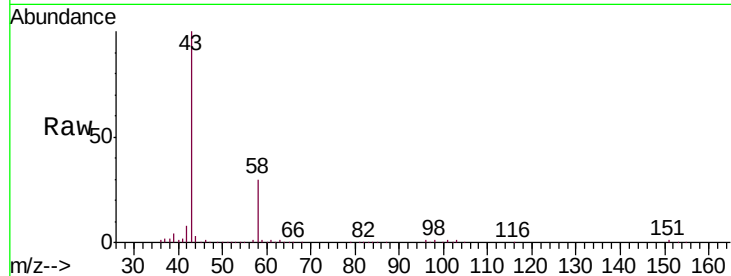
VSTD20054

Tgt Ion: 43 Resp: 433007

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.6



#14

Carbon disulfide

Concen: 197.442 ug/L

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU027127.D

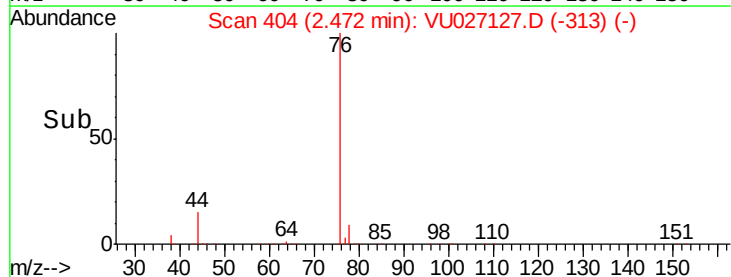
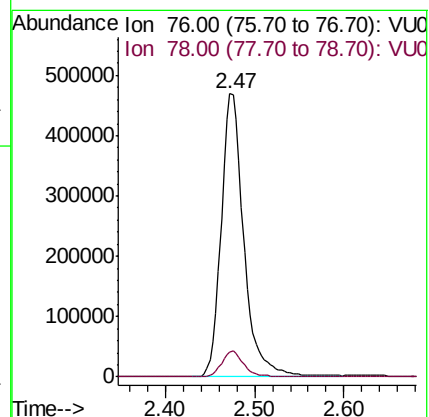
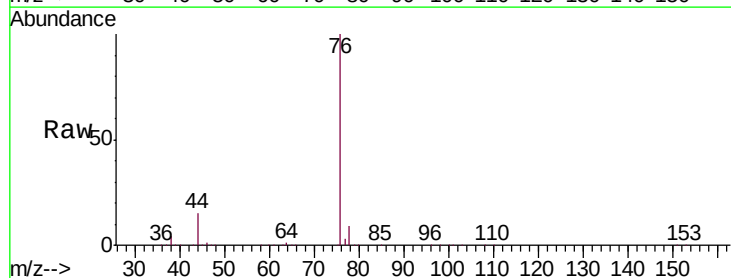
Acq: 25 Sep 2018 12:22

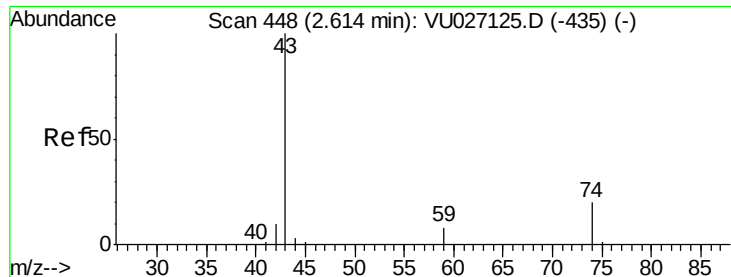
Tgt Ion: 76 Resp: 828581

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

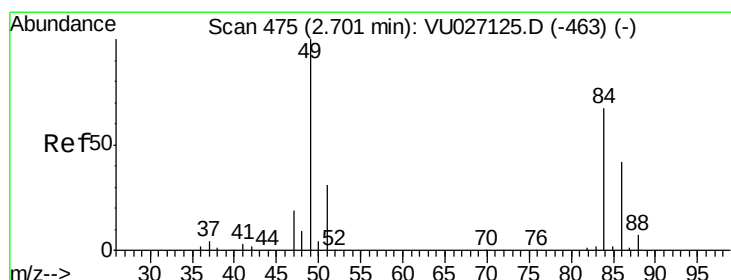
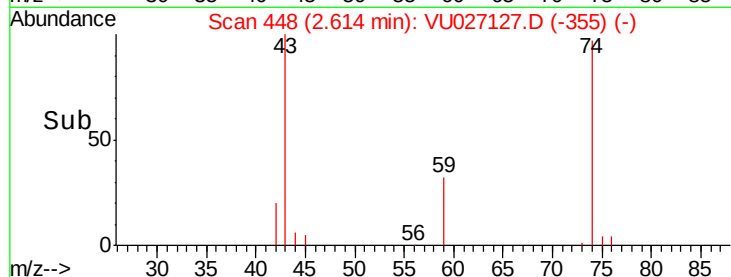
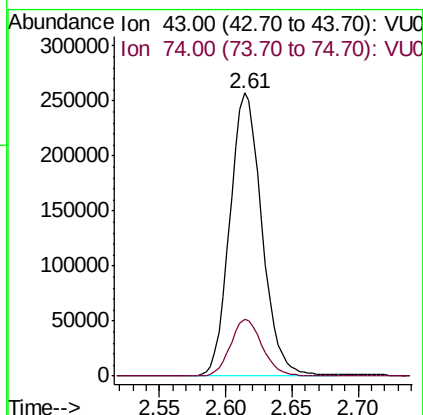
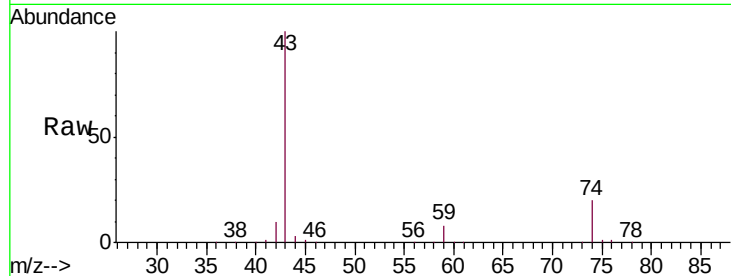




#15
Methyl Acetate
Concen: 193.367 ug/L
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

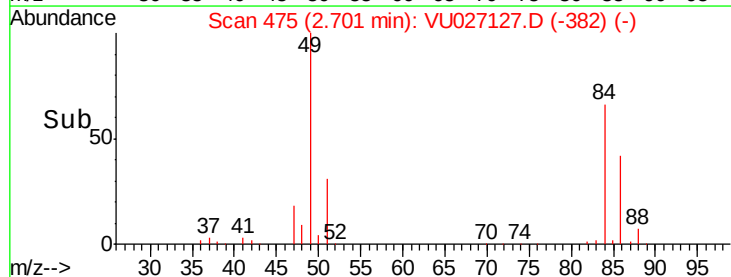
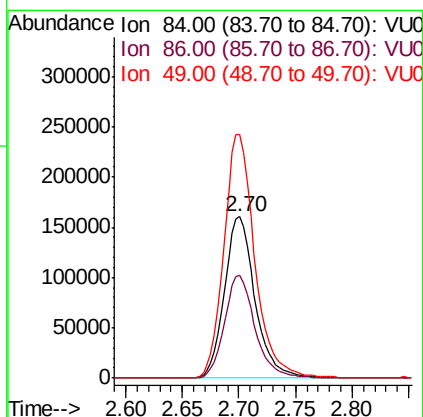
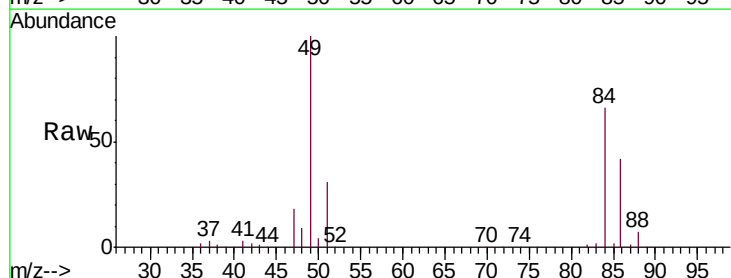
Instrument :
MSVOA_U
ClientSampleId :
VSTD20054

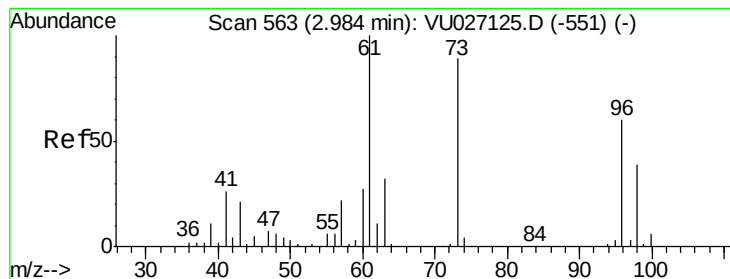
Tgt Ion: 43 Resp: 429016
Ion Ratio Lower Upper
43 100
74 20.0 15.9 23.9



#16
Methylene chloride
Concen: 195.517 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

Tgt Ion: 84 Resp: 302906
Ion Ratio Lower Upper
84 100
86 63.2 43.8 81.3
49 150.6 104.4 194.0





#17

trans-1,2-Dichloroethene

Concen: 199.570 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20054

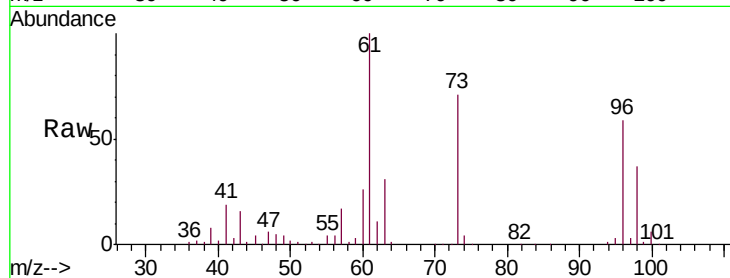
Tgt Ion: 96 Resp: 262341

Ion Ratio Lower Upper

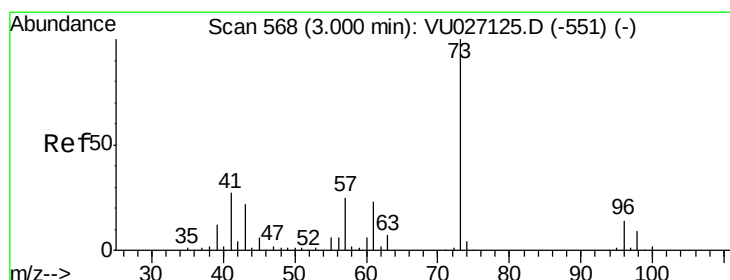
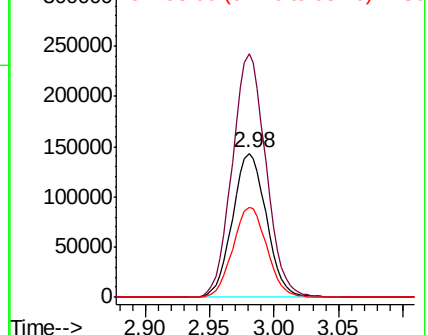
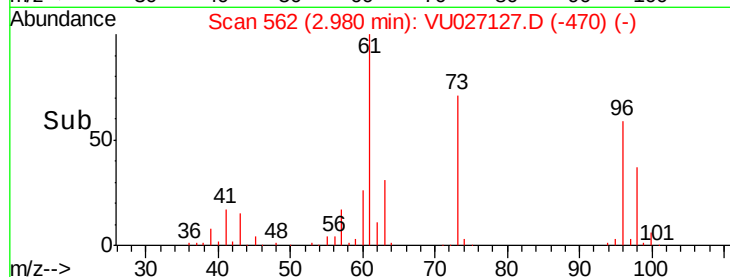
96 100

61 168.7 117.2 217.8

98 62.8 45.3 84.1



Abundance Ion 96.00 (95.70 to 96.70): VU027127.D (-470) (-)



#18

Methyl tert-butyl Ether

Concen: 210.960 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

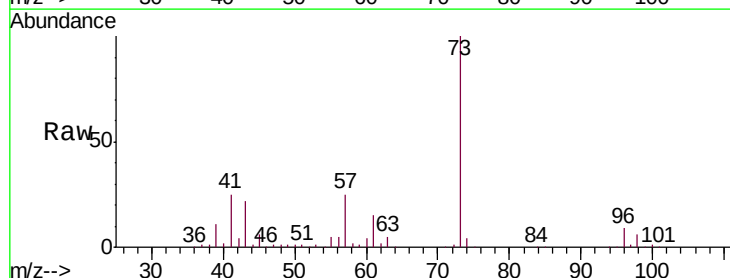
Tgt Ion: 73 Resp: 966267

Ion Ratio Lower Upper

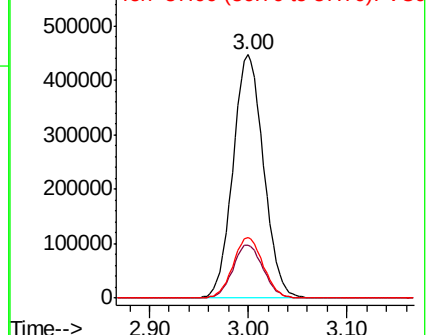
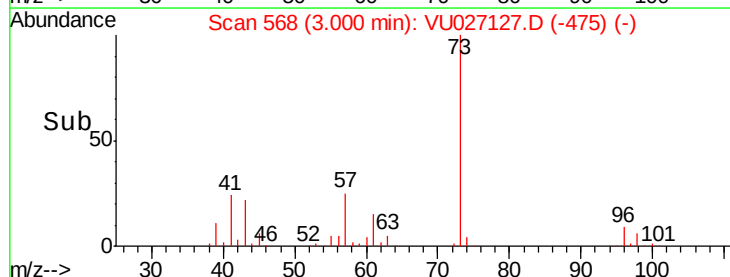
73 100

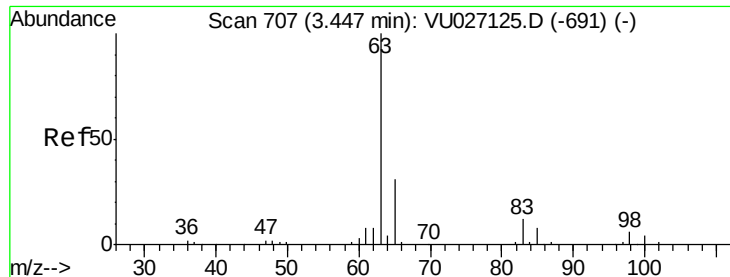
43 21.7 17.9 26.9

57 24.6 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU027127.D (-475) (-)

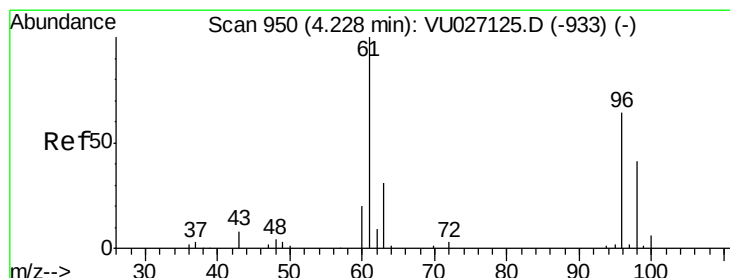
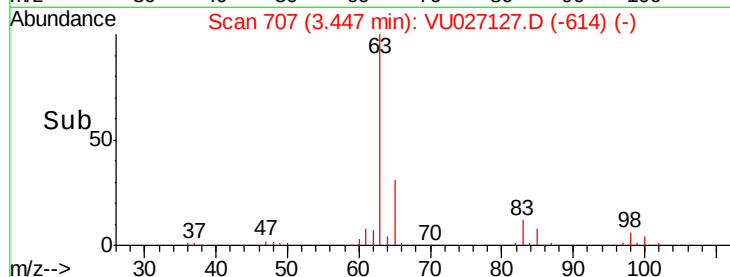
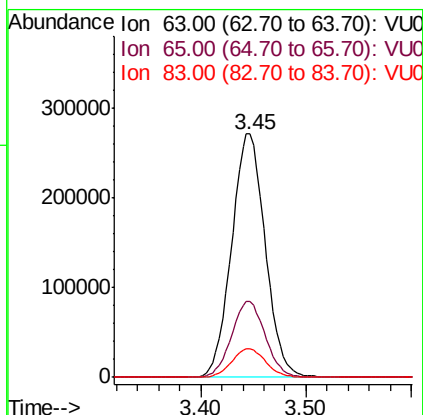
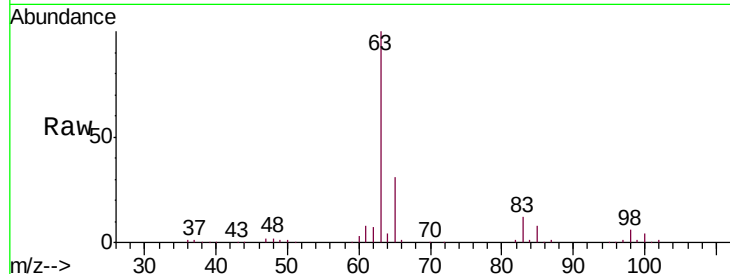




#19
 1,1-Dichloroethane
 Concen: 199.004 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

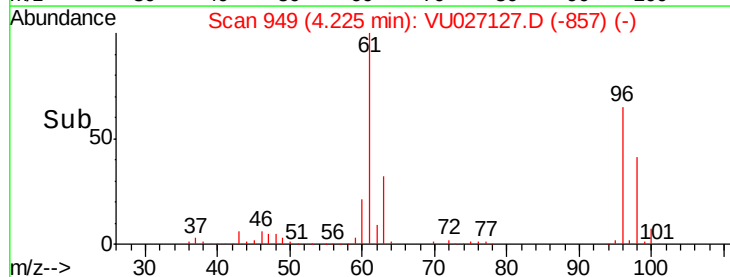
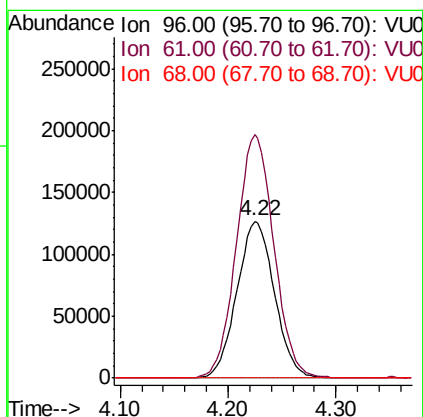
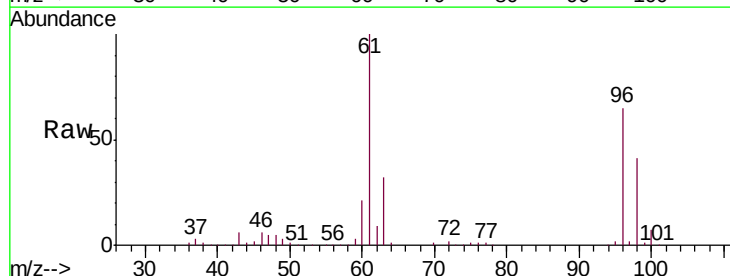
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20054

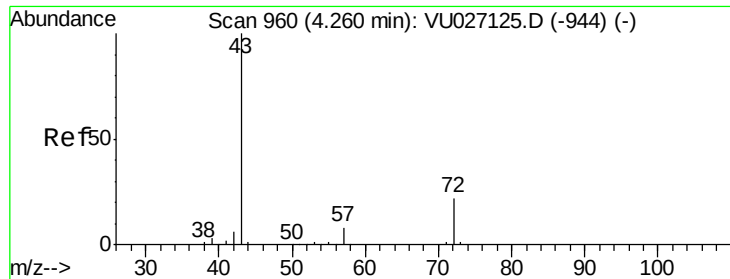
Tgt Ion: 63 Resp: 601197
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 40.8
 83 11.9 8.4 15.6



#20
 cis-1,2-Dichloroethene
 Concen: 207.081 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

Tgt Ion: 96 Resp: 306362
 Ion Ratio Lower Upper
 96 100
 61 155.0 109.6 203.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 410.600 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

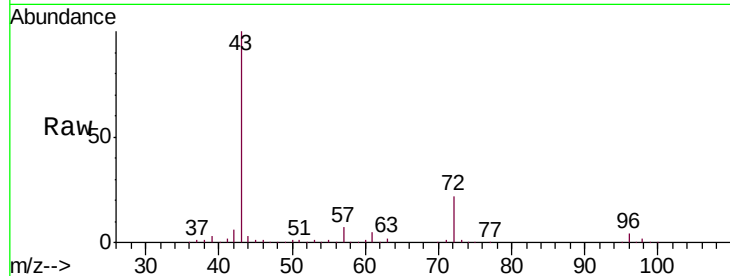
VSTD20054

Tgt Ion: 43 Resp: 654012

Ion Ratio Lower Upper

43 100

72 22.4 11.3 33.9



Abundance Ion 43.00 (42.70 to 43.70): VU027127.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU027127.D (-944) (-)

4.26

250000

200000

150000

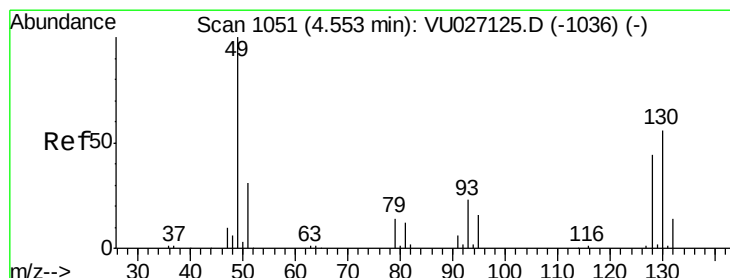
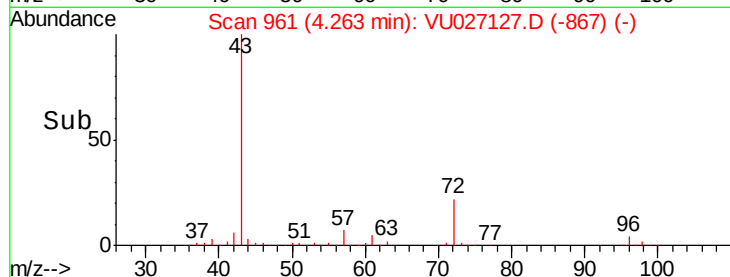
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 195.192 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Tgt Ion: 128 Resp: 135795

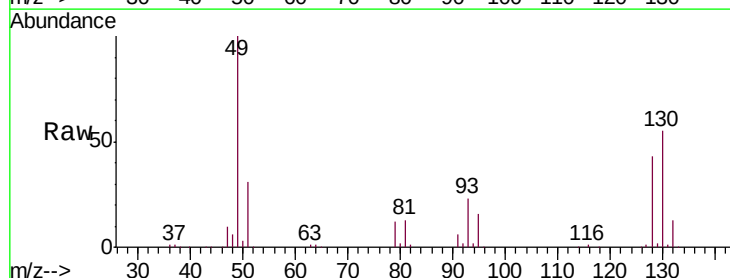
Ion Ratio Lower Upper

128 100

49 231.6 159.0 295.4

130 127.8 88.6 164.6

51 72.0 56.2 84.2



Abundance Ion 128.00 (127.70 to 128.70): VU027127.D (-958) (-)

Ion 49.00 (48.70 to 49.70): VU027127.D (-958) (-)

Ion 130.00 (129.70 to 130.70): VU027127.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VU027127.D (-958) (-)

200000

150000

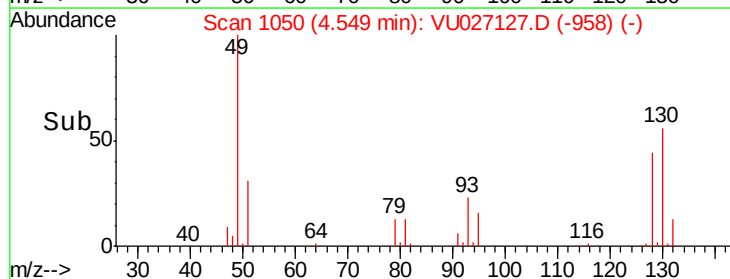
100000

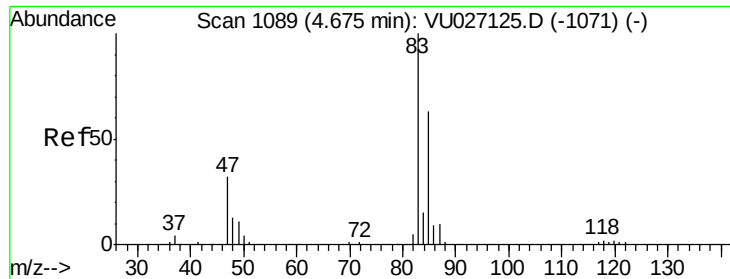
50000

0

4.50 4.60

Time-->

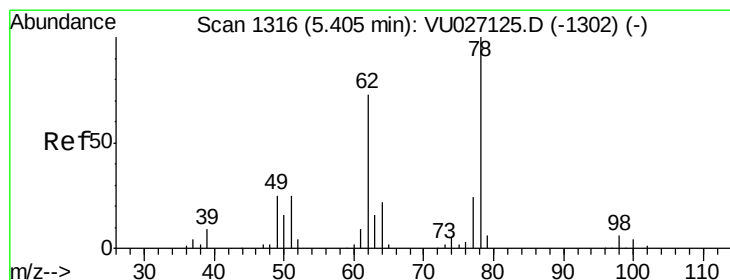
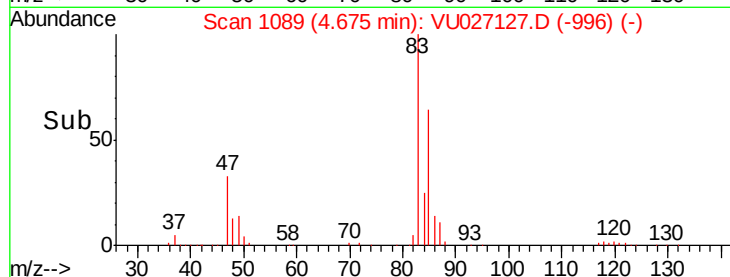
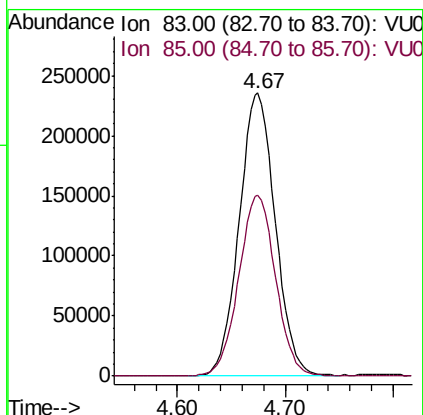
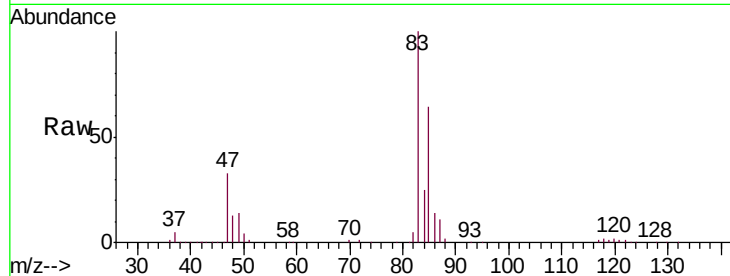




#25
Chloroform
Concen: 193.649 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

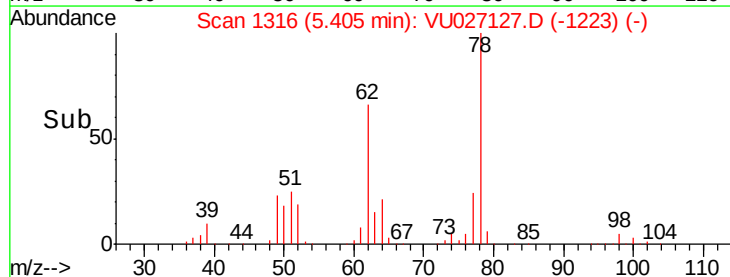
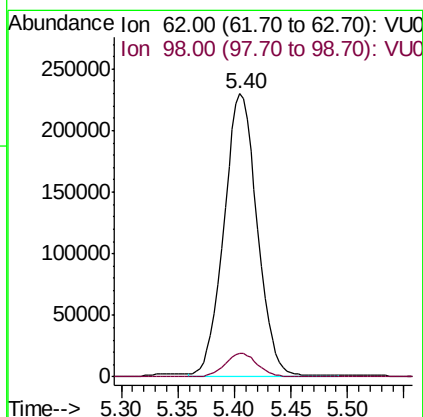
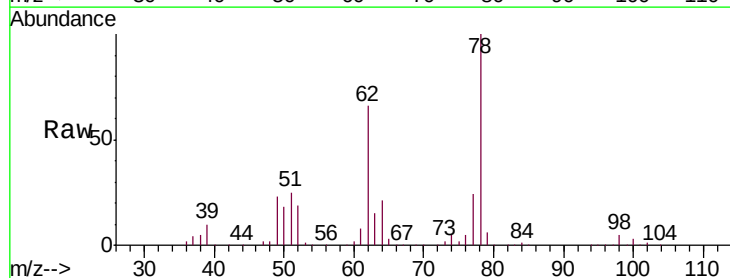
Instrument :
MSVOA_U
ClientSampleId :
VSTD20054

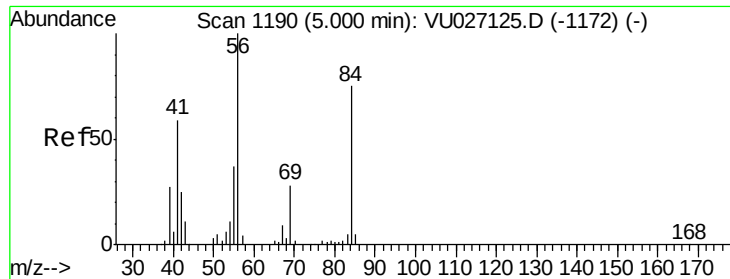
Tgt Ion: 83 Resp: 548601
Ion Ratio Lower Upper
83 100
85 64.1 44.0 81.6



#27
1,2-Dichloroethane
Concen: 199.460 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

Tgt Ion: 62 Resp: 468856
Ion Ratio Lower Upper
62 100
98 8.3 6.4 9.6

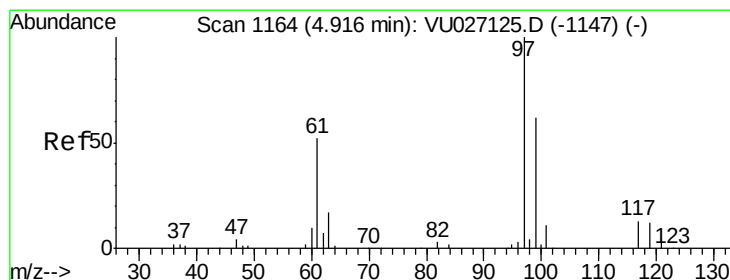
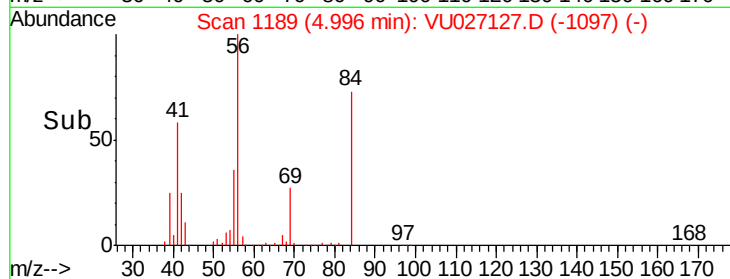
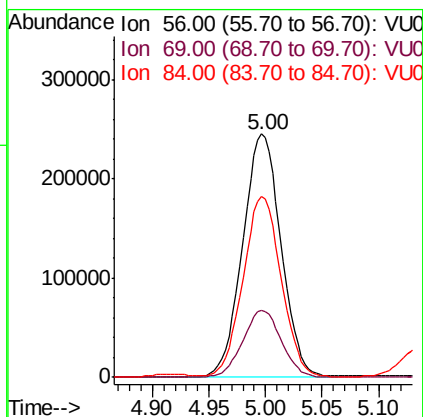
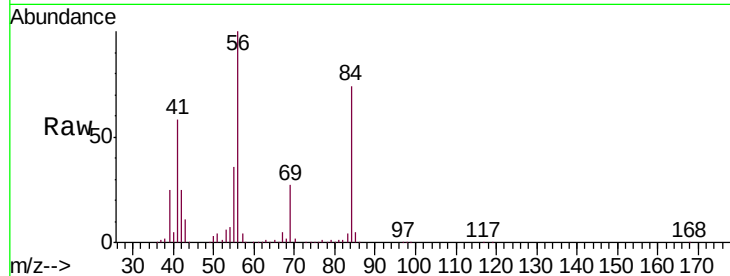




#29
Cyclohexane
Concen: 218.133 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

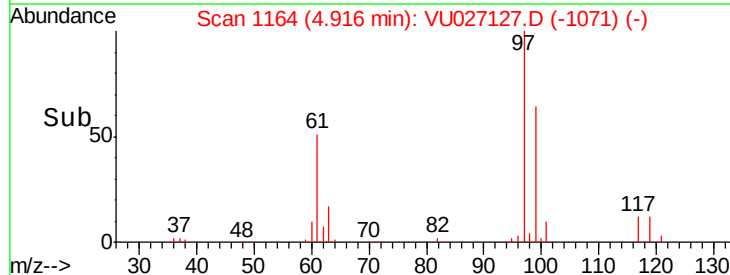
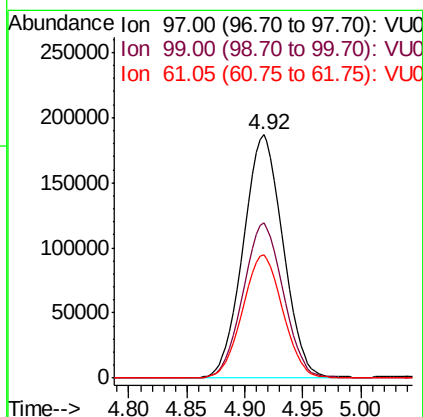
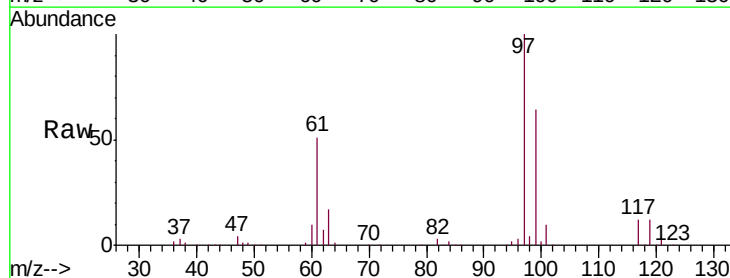
Instrument :
MSVOA_U
ClientSampleId :
VSTD20054

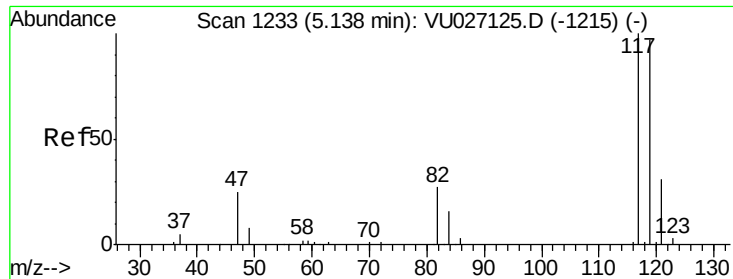
Tgt Ion: 56 Resp: 580064
Ion Ratio Lower Upper
56 100
69 27.6 22.3 33.5
84 73.7 59.8 89.8



#30
1,1,1-Trichloroethane
Concen: 197.533 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

Tgt Ion: 97 Resp: 447173
Ion Ratio Lower Upper
97 100
99 64.3 51.7 77.5
61 51.0 42.3 63.5

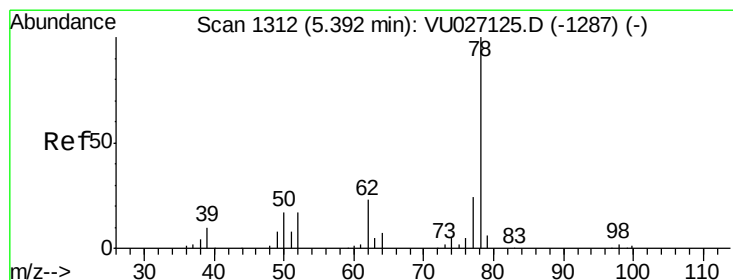
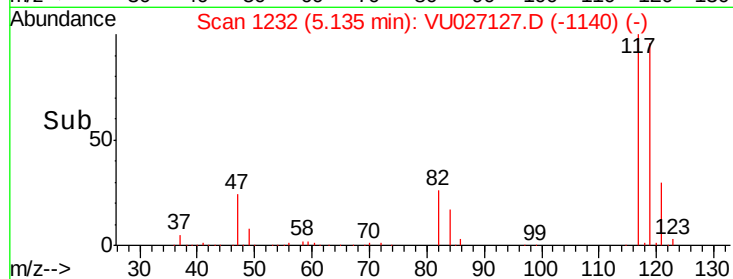
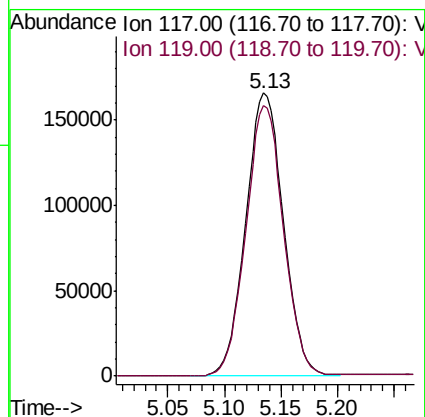
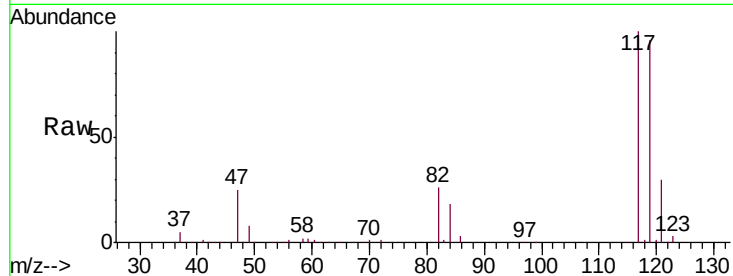




#31
Carbon tetrachloride
Concen: 199.878 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

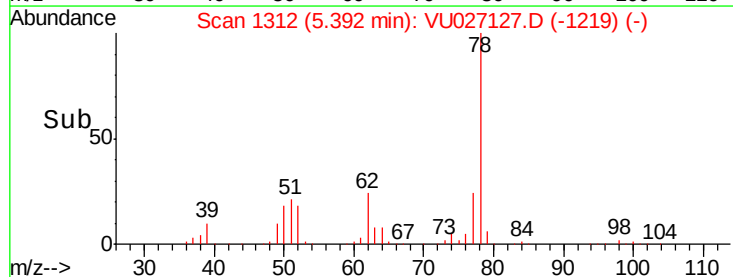
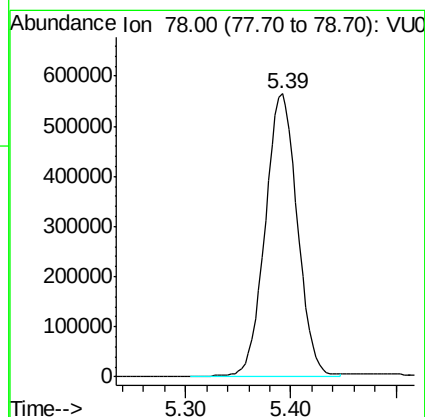
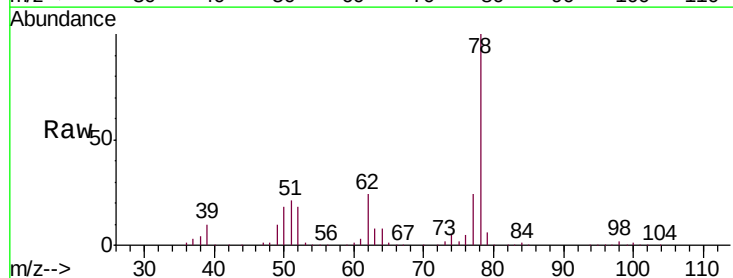
Instrument :
MSVOA_U
ClientSampleId :
VSTD20054

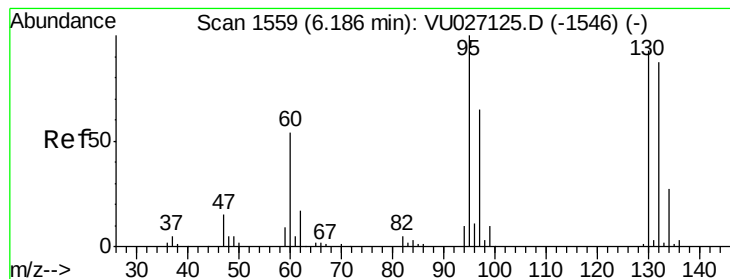
Tgt Ion:117 Resp: 383359
Ion Ratio Lower Upper
117 100
119 95.6 76.9 115.3



#33
Benzene
Concen: 198.163 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

Tgt Ion: 78 Resp: 1202626





#34

Trichloroethene

Concen: 199.905 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20054

Tgt Ion: 95 Resp: 283042

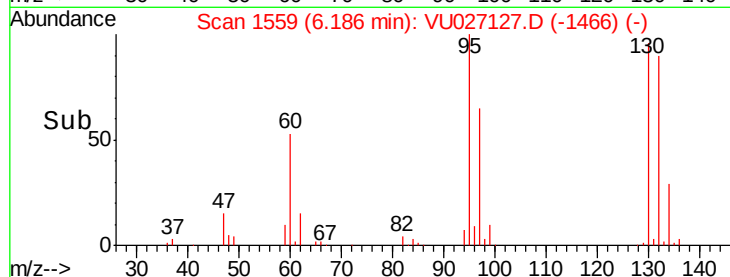
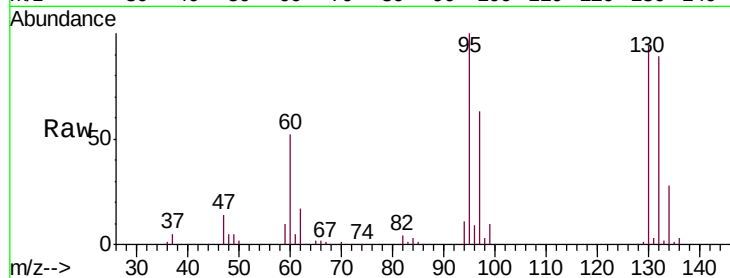
Ion Ratio Lower Upper

95 100

97 63.4 45.4 84.2

132 88.7 61.1 113.5

130 93.8 65.0 120.6

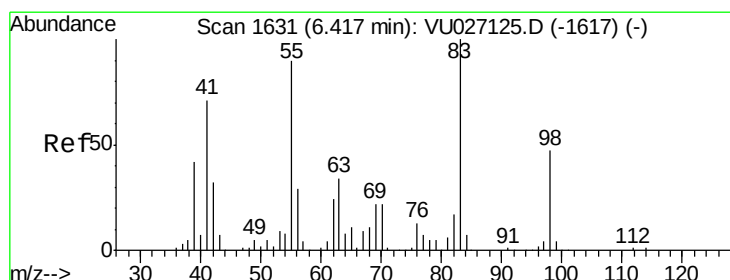
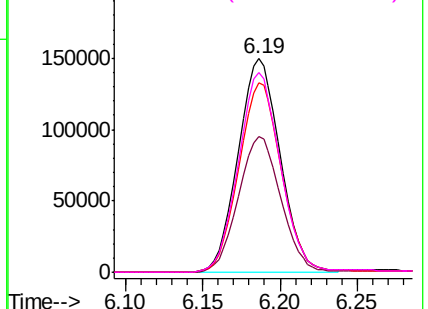


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 213.656 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

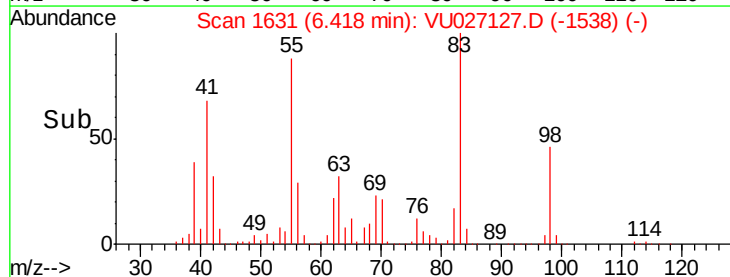
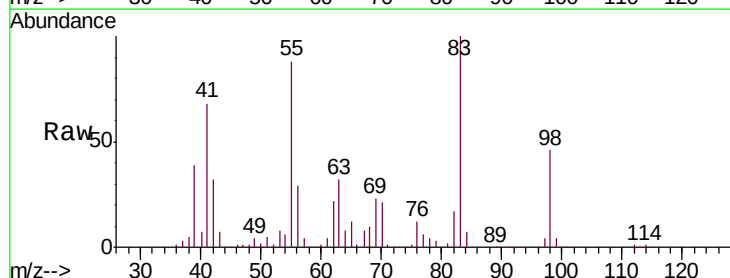
Tgt Ion: 83 Resp: 509929

Ion Ratio Lower Upper

83 100

55 90.2 73.2 109.8

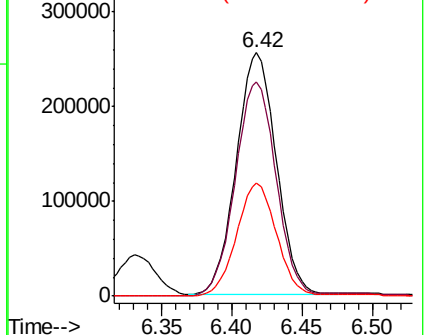
98 46.4 37.0 55.6

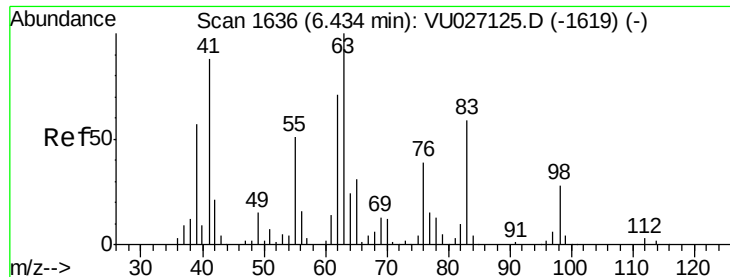


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

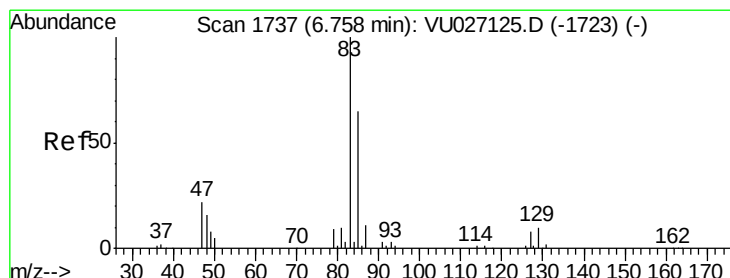
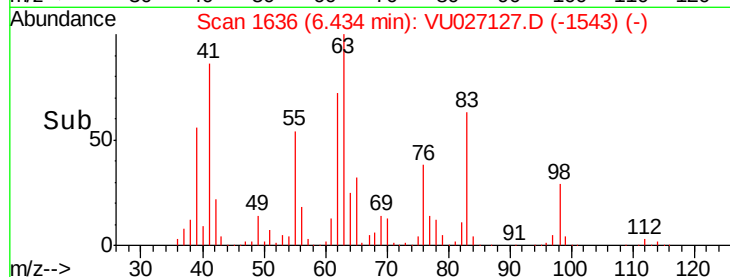
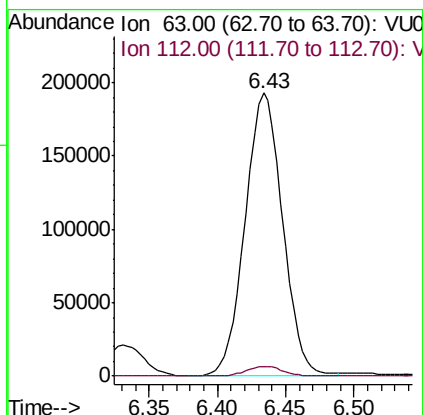
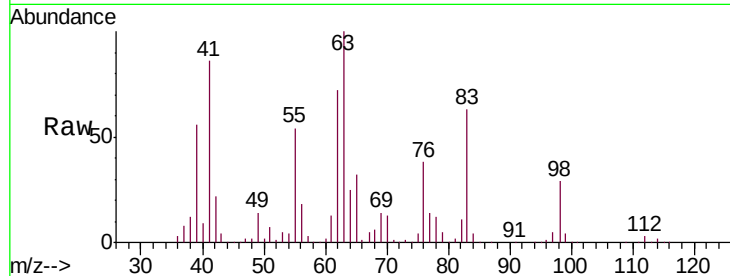




#37
 1,2-Dichloropropane
 Concen: 197.382 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

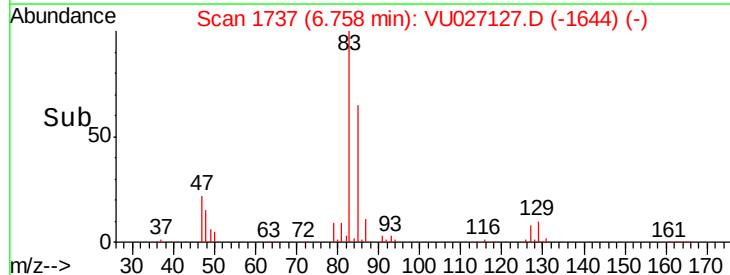
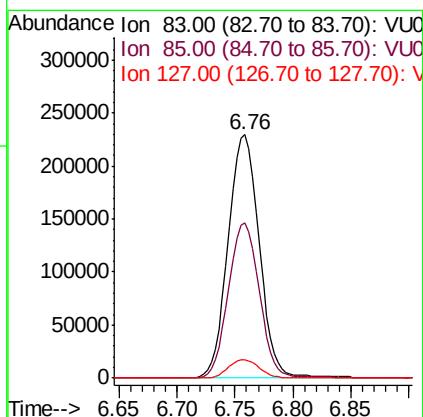
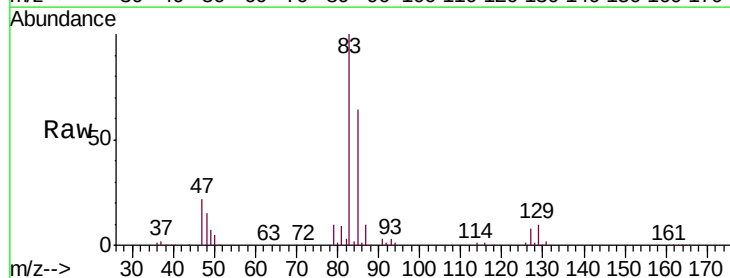
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD20054

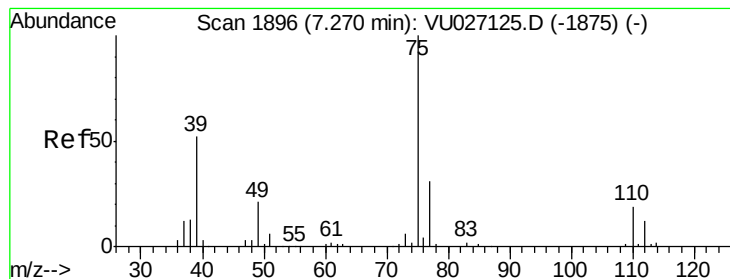
Tgt Ion: 63 Resp: 367351
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.9 4.3



#38
 Bromodichloromethane
 Concen: 201.651 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

Tgt Ion: 83 Resp: 426302
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.3 84.1
 127 7.5 6.6 9.8



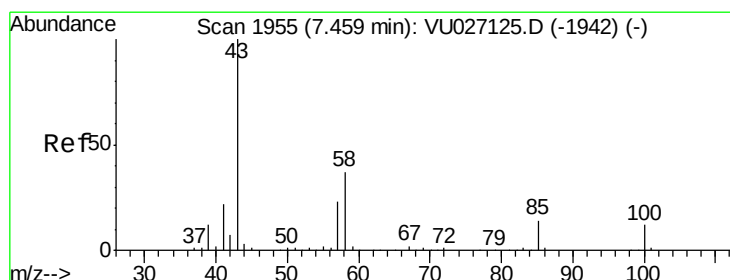
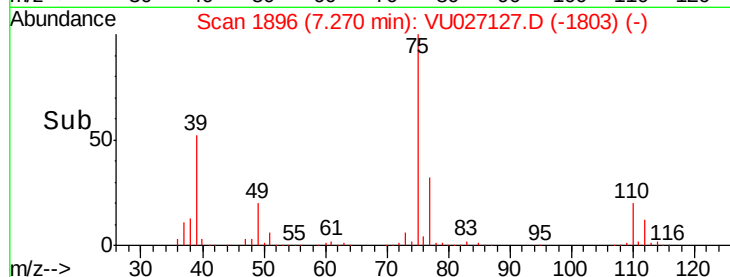
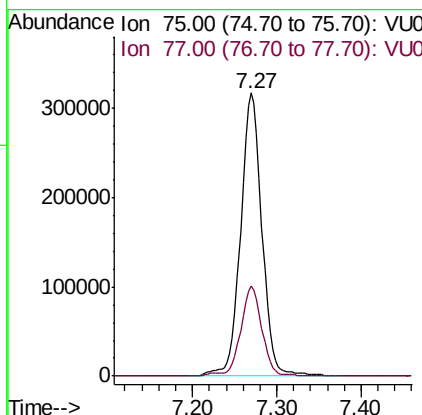
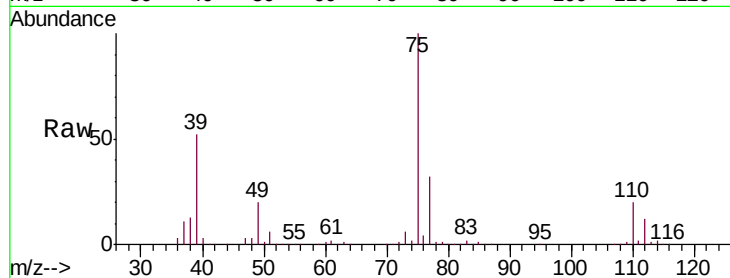


#39

cis-1,3-Dichloropropene
 Concen: 224.723 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20054

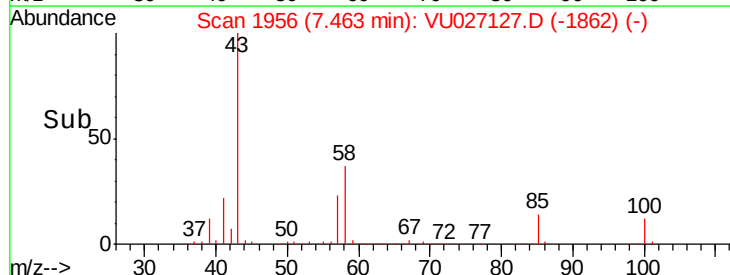
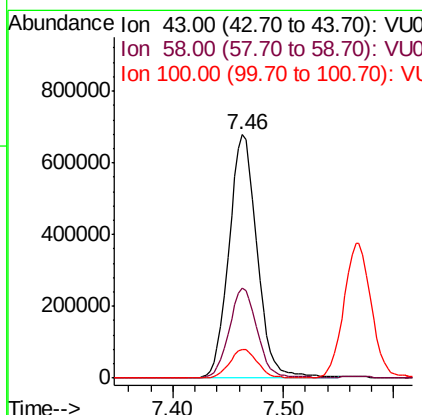
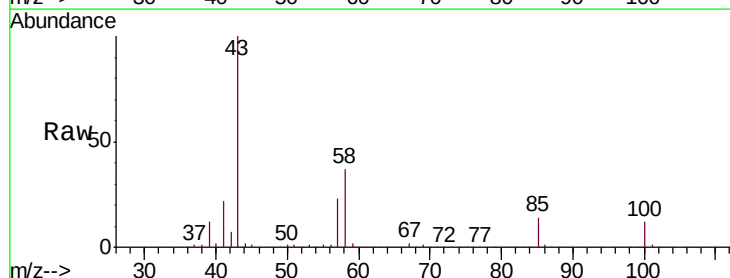
Tgt Ion: 75 Resp: 562807
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.5 39.9

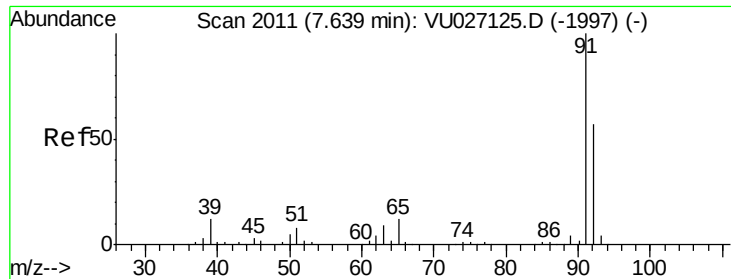


#40

4-Methyl-2-pentanone
 Concen: 441.351 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

Tgt Ion: 43 Resp: 1205014
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.0 43.6
 100 11.8 9.4 14.0





#42

Toluene

Concen: 209.342 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

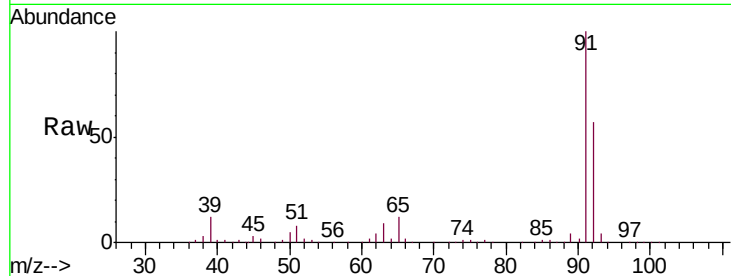
VSTD20054

Tgt Ion: 91 Resp: 1253075

Ion Ratio Lower Upper

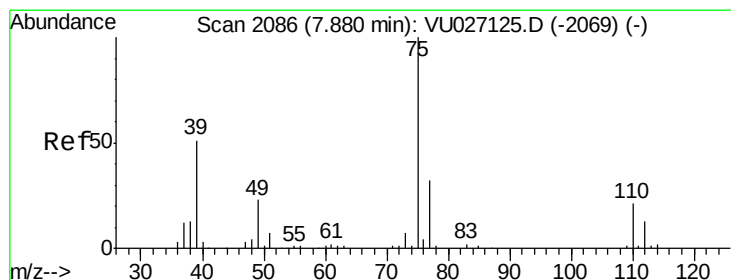
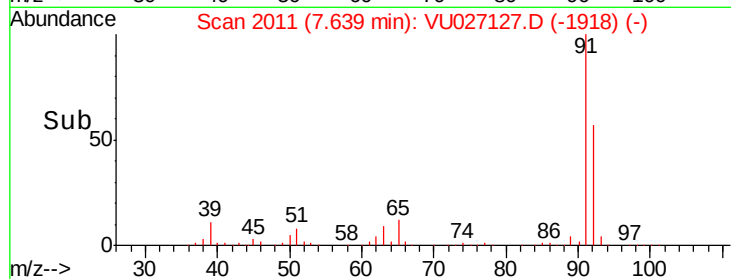
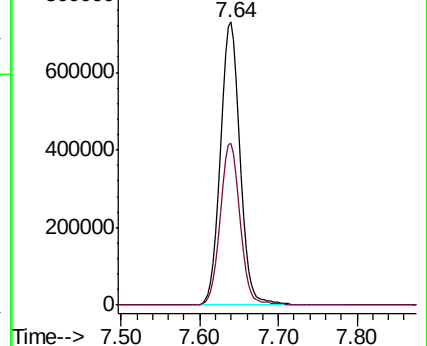
91 100

92 57.4 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 217.400 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027127.D

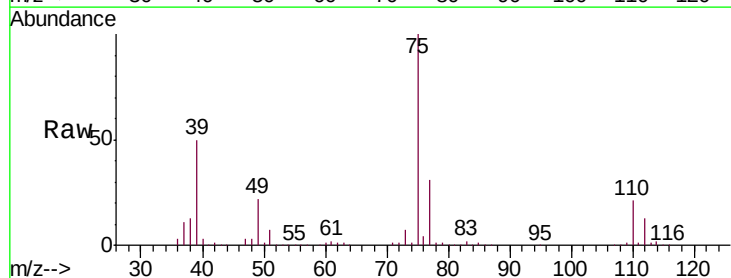
Acq: 25 Sep 2018 12:22

Tgt Ion: 75 Resp: 526189

Ion Ratio Lower Upper

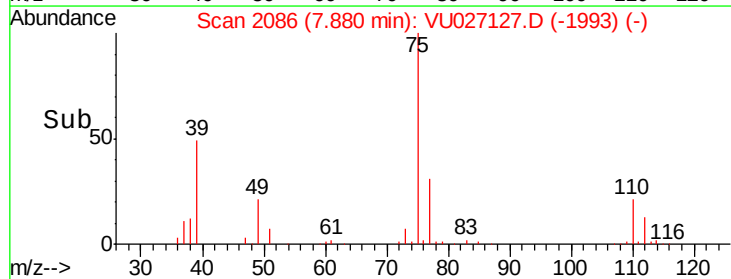
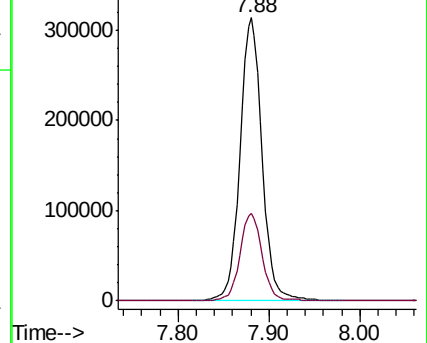
75 100

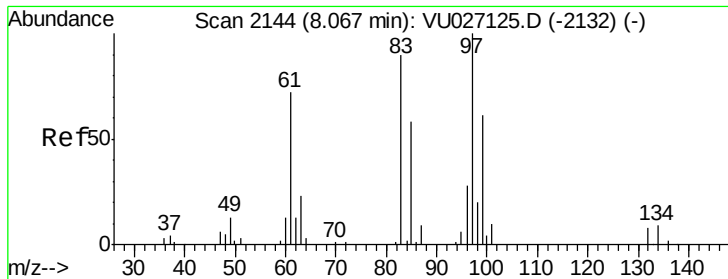
77 31.0 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 197.547 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20054

Tgt Ion: 97 Resp: 291290

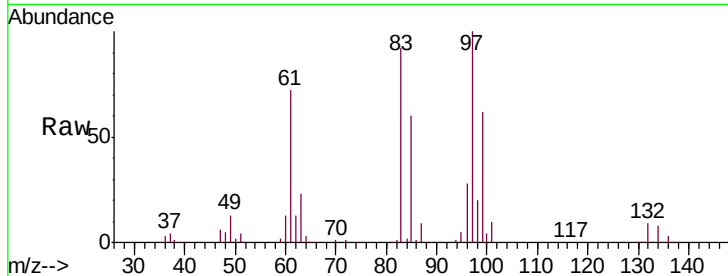
Ion Ratio Lower Upper

97 100

99 62.1 42.8 79.4

83 92.3 63.2 117.4

85 59.7 40.9 75.9

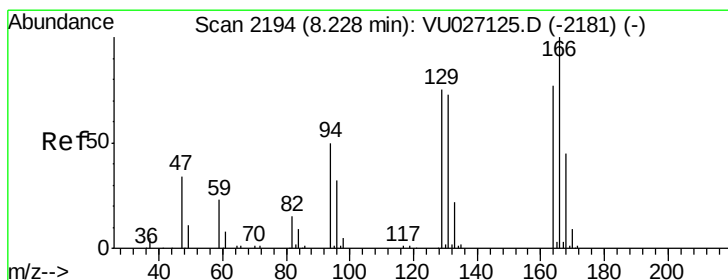
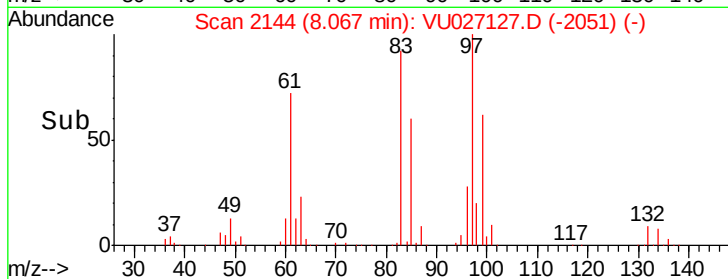
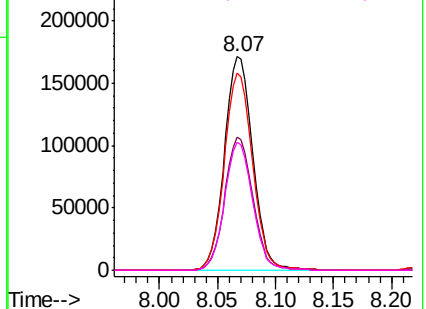


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 203.055 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Tgt Ion: 164 Resp: 206181

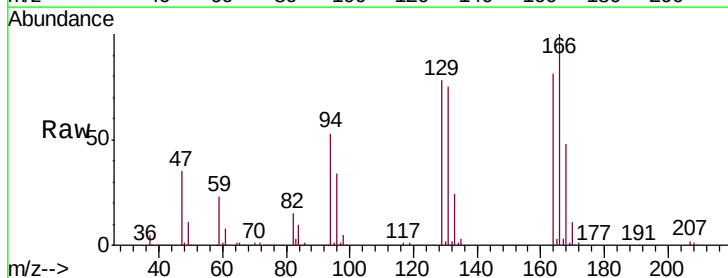
Ion Ratio Lower Upper

164 100

129 96.8 67.8 125.8

131 92.9 66.4 123.2

166 124.1 90.4 167.8

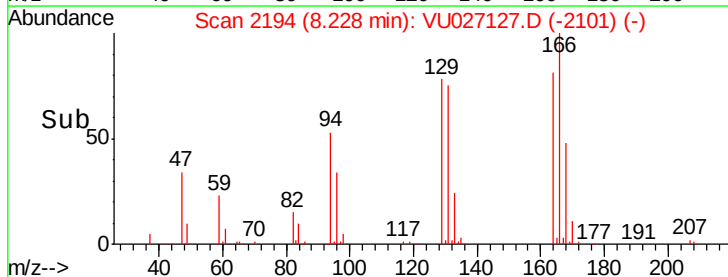
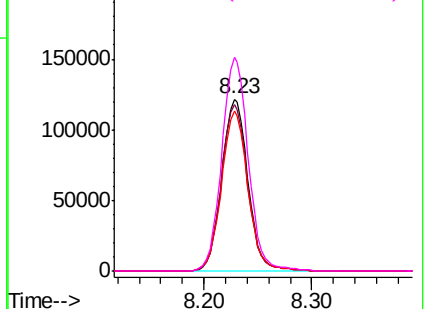


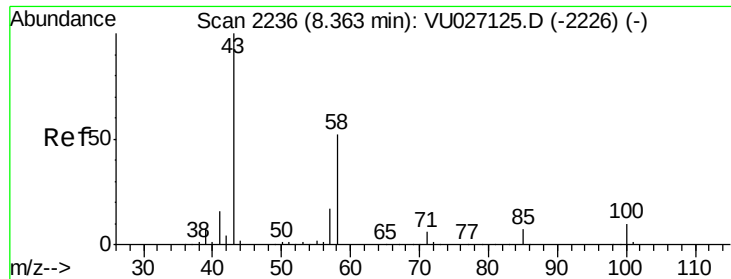
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

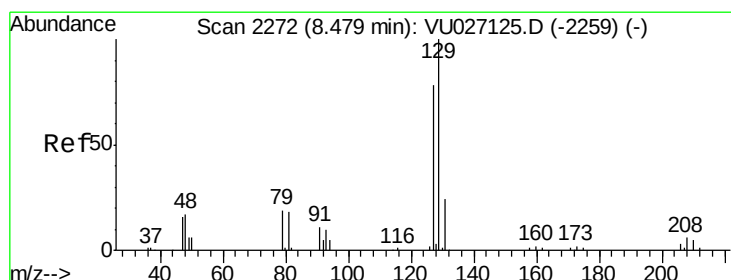
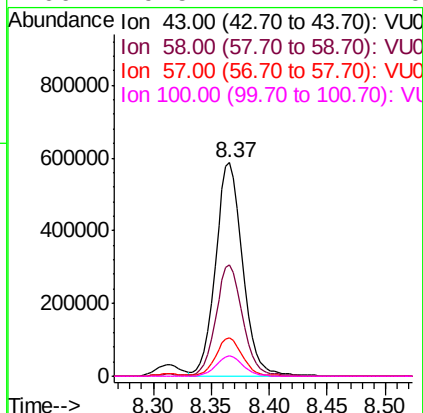
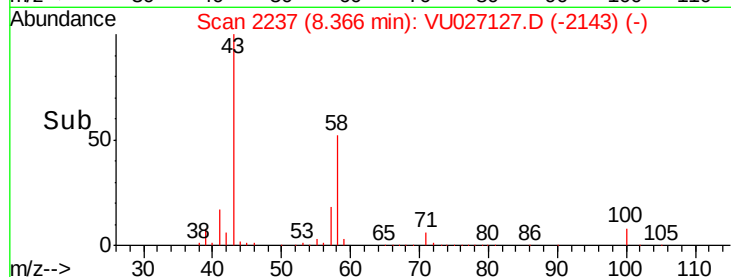
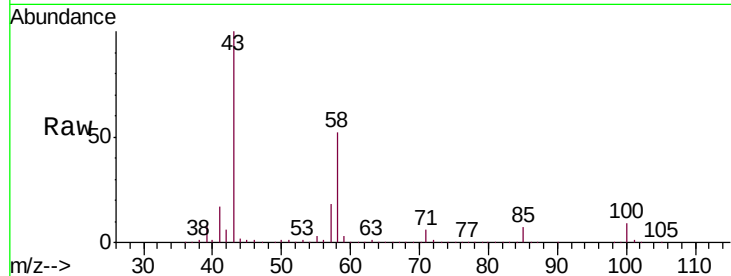




#48
2-Hexanone
Concen: 428.013 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

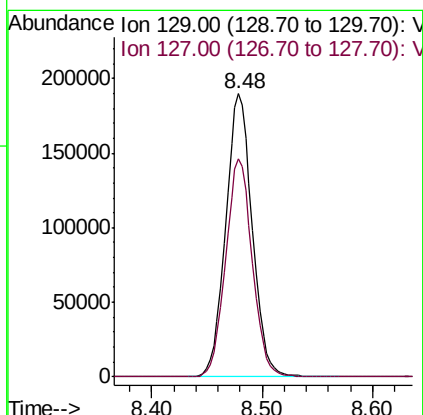
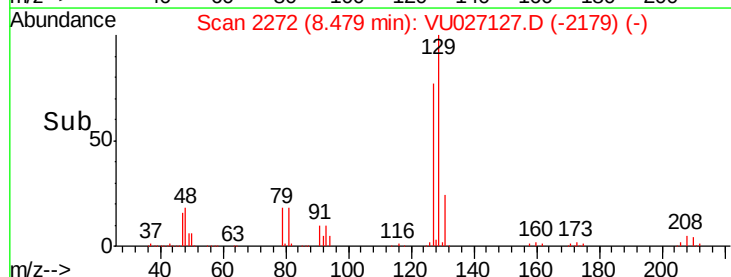
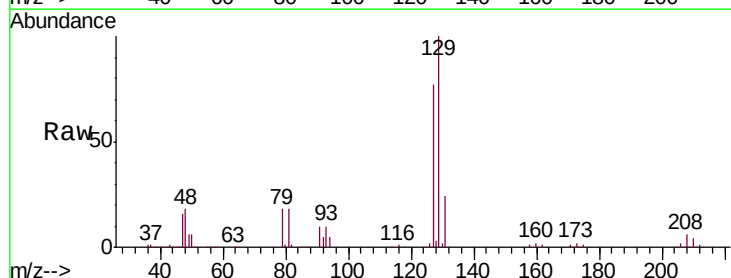
Instrument :
MSVOA_U
ClientSampleId :
VSTD20054

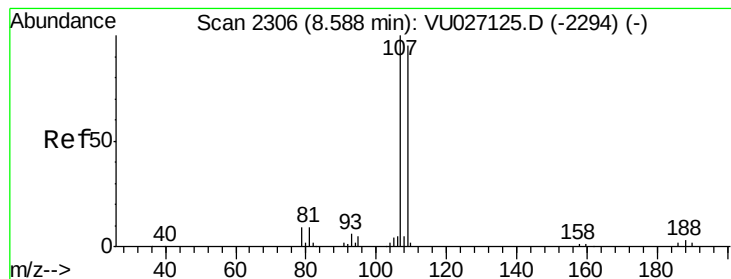
Tgt Ion: 43 Resp: 953578
Ion Ratio Lower Upper
43 100
58 52.1 41.9 62.9
57 17.8 13.8 20.8
100 9.5 7.4 11.0



#49
Dibromochloromethane
Concen: 209.723 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

Tgt Ion: 129 Resp: 315522
Ion Ratio Lower Upper
129 100
127 76.9 54.7 101.5





#50

1,2-Dibromoethane

Concen: 201.938 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20054

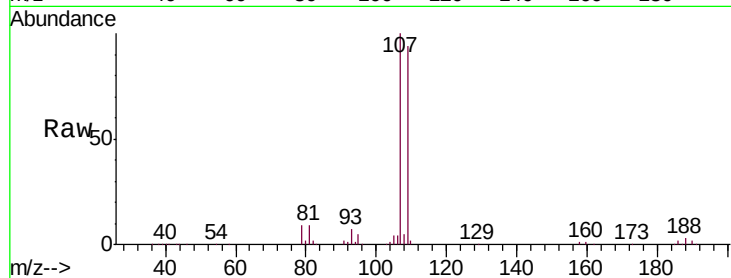
Tgt Ion:107 Resp: 305800

Ion Ratio Lower Upper

107 100

109 93.5 66.8 124.0

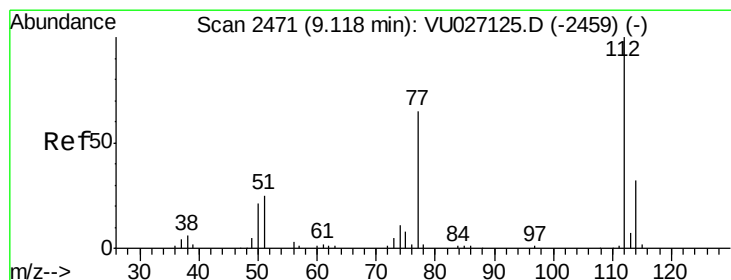
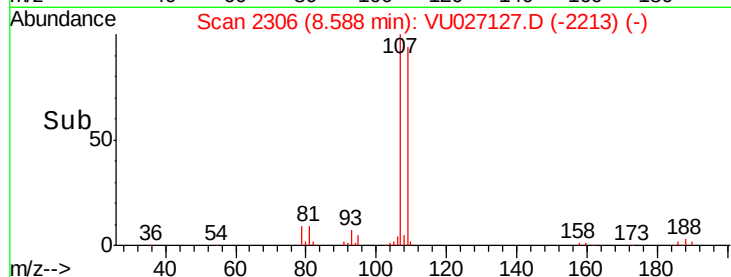
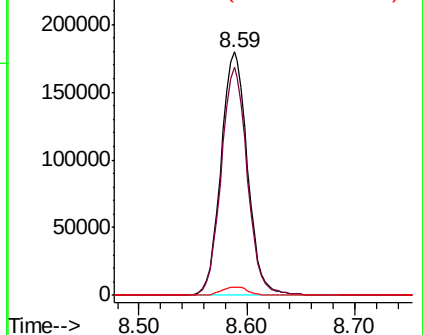
188 3.4 2.7 4.1



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: 202.369 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

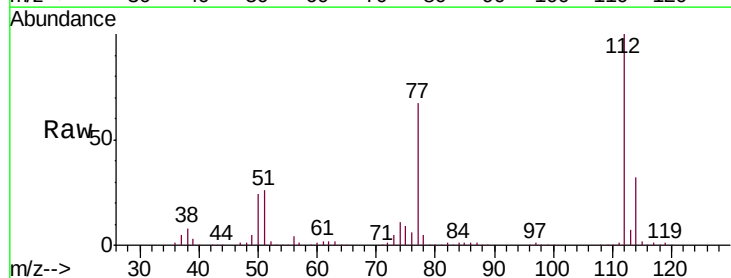
Tgt Ion:112 Resp: 766257

Ion Ratio Lower Upper

112 100

114 31.5 22.2 41.2

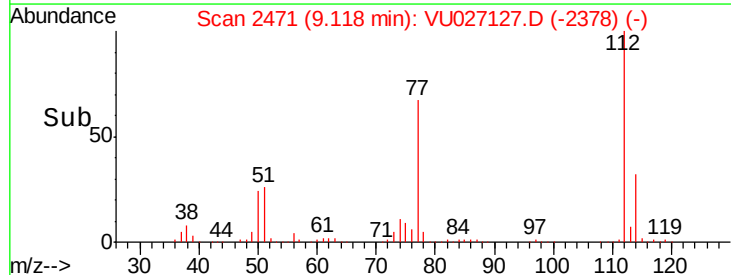
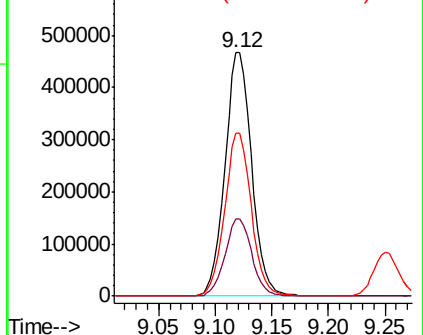
77 67.1 52.9 79.3

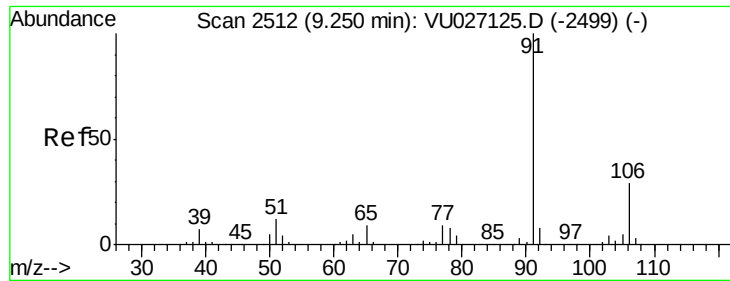


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 218.557 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

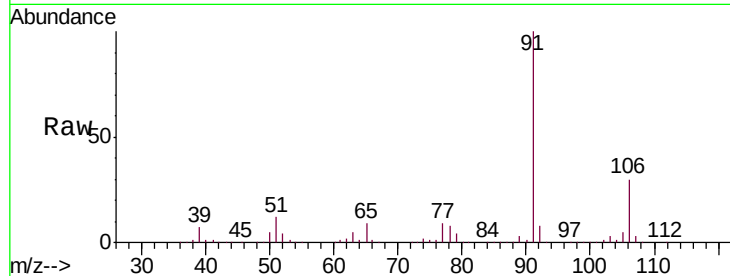
VSTD20054

Tgt Ion: 91 Resp: 1428519

Ion Ratio Lower Upper

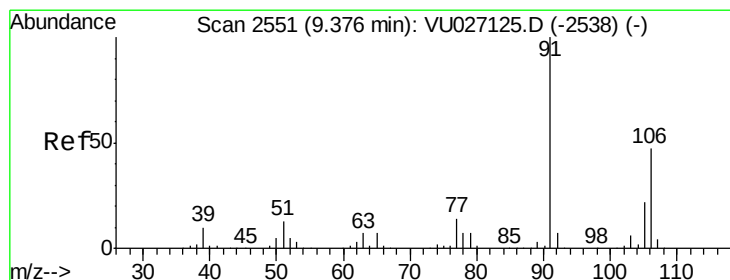
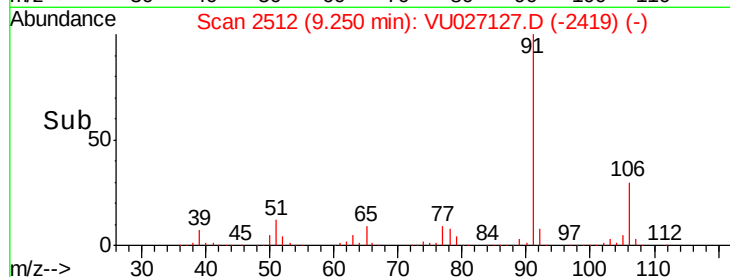
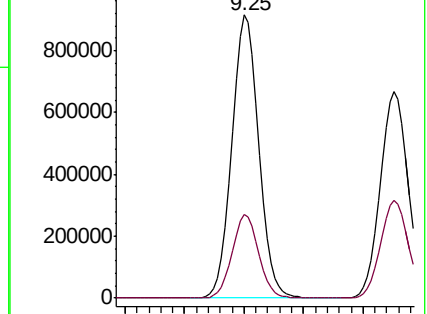
91 100

106 29.5 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): VU027127.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU027127.D (-2499) (-)



#53

m,p-Xylene

Concen: 221.003 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027127.D

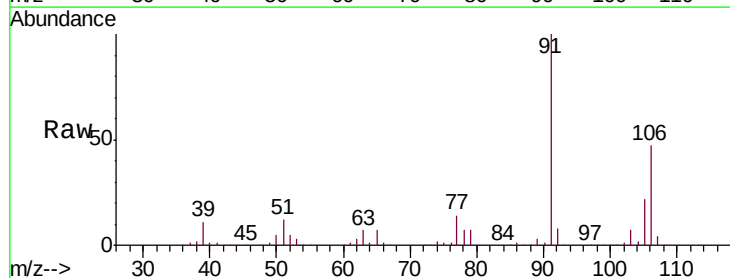
Acq: 25 Sep 2018 12:22

Tgt Ion: 106 Resp: 514293

Ion Ratio Lower Upper

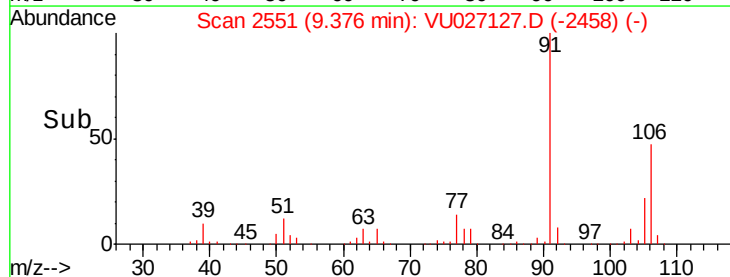
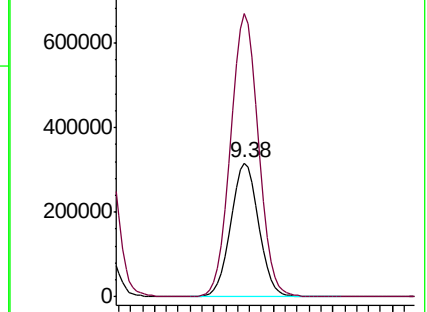
106 100

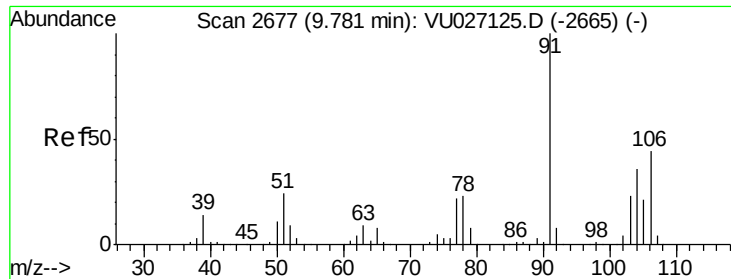
91 211.0 149.4 277.5



Abundance Ion 106.00 (105.70 to 106.70): VU027127.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU027127.D (-2538) (-)

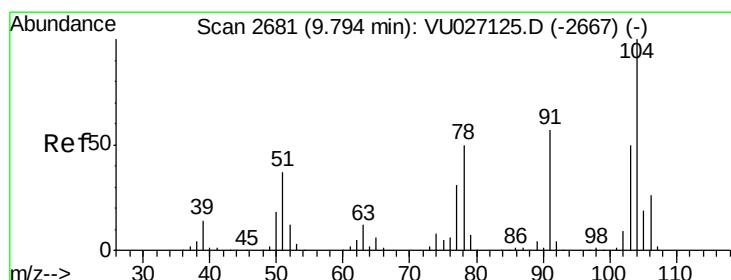
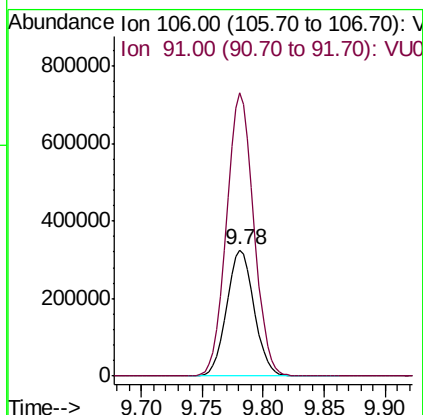
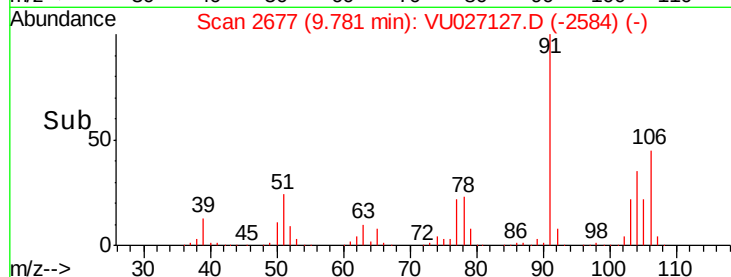
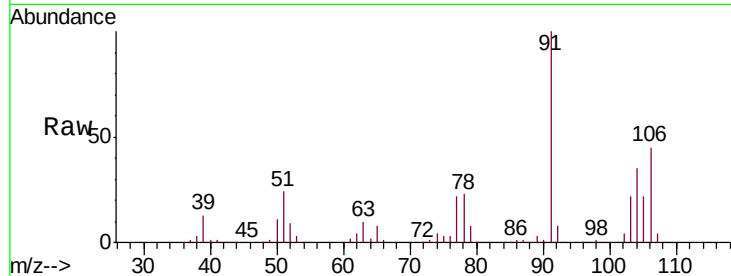




#54
o-xylene
Concen: 224.838 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

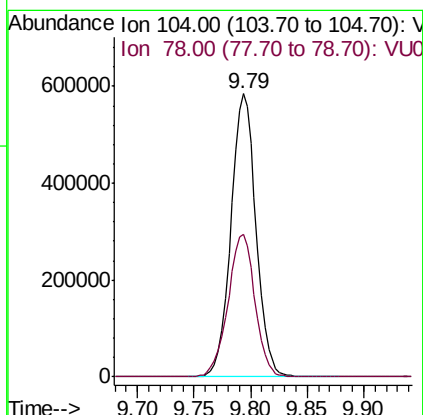
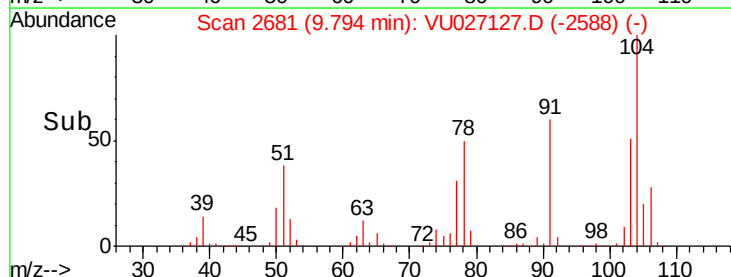
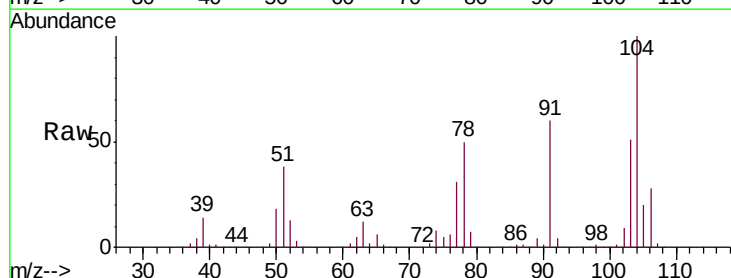
Instrument :
MSVOA_U
ClientSampleId :
VSTD20054

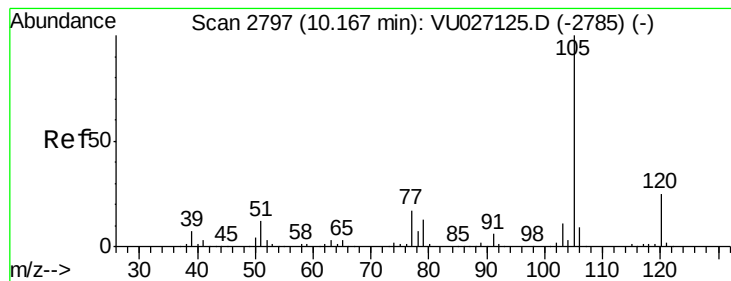
Tgt Ion:106 Resp: 512531
Ion Ratio Lower Upper
106 100
91 223.8 159.4 296.0



#55
Styrene
Concen: 229.930 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027127.D
Acq: 25 Sep 2018 12:22

Tgt Ion:104 Resp: 898660
Ion Ratio Lower Upper
104 100
78 50.3 34.9 64.7





#56

Isopropylbenzene

Concen: 229.479 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20054

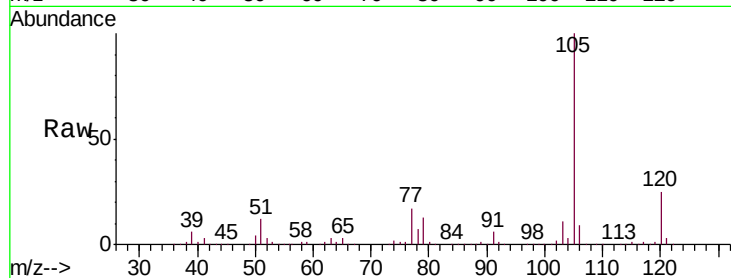
Tgt Ion:105 Resp: 1365712

Ion Ratio Lower Upper

105 100

120 25.3 20.3 30.5

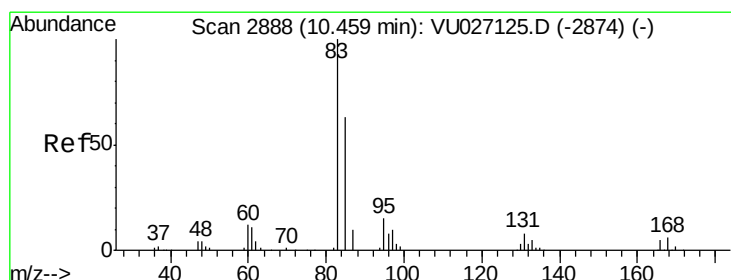
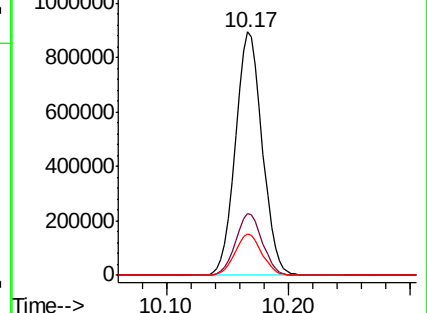
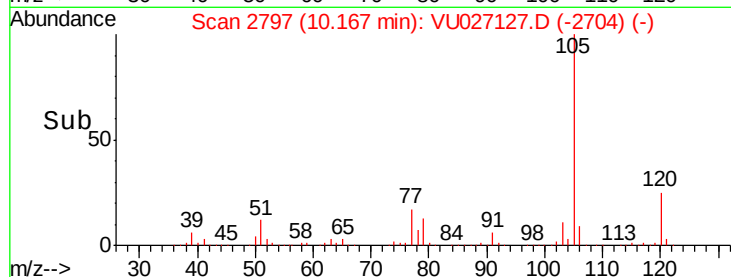
77 17.0 13.9 20.9



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: 204.803 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

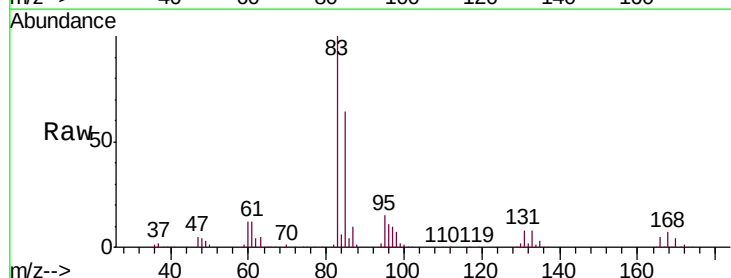
Tgt Ion: 83 Resp: 550719

Ion Ratio Lower Upper

83 100

85 64.3 44.1 81.9

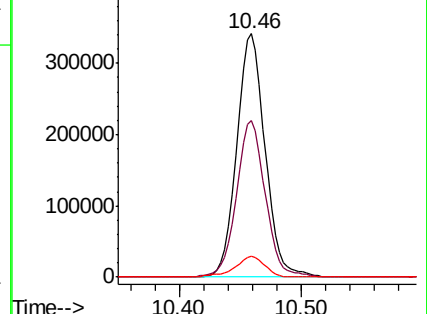
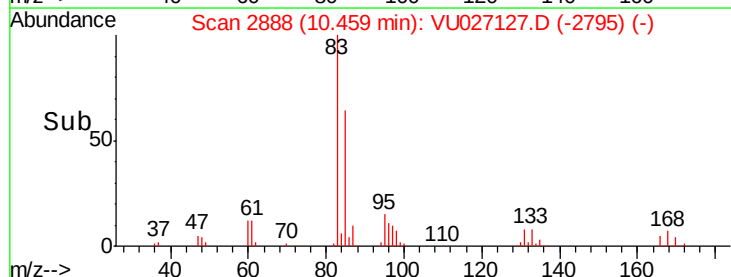
131 8.4 6.8 10.2

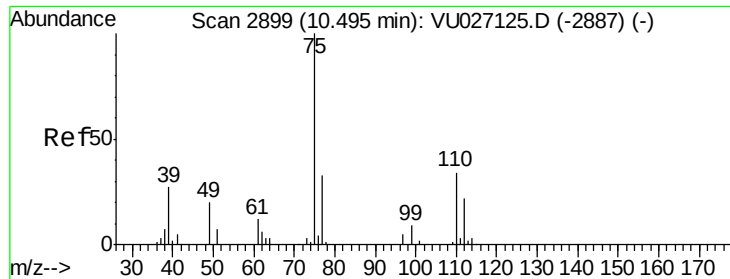


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 203.022 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

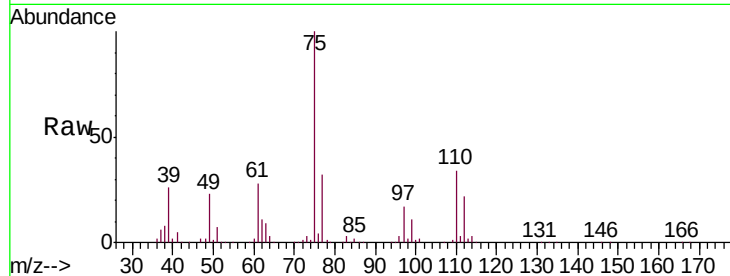
VSTD20054

Tgt Ion: 75 Resp: 441098

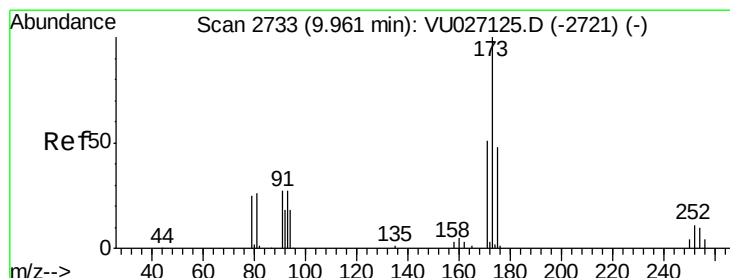
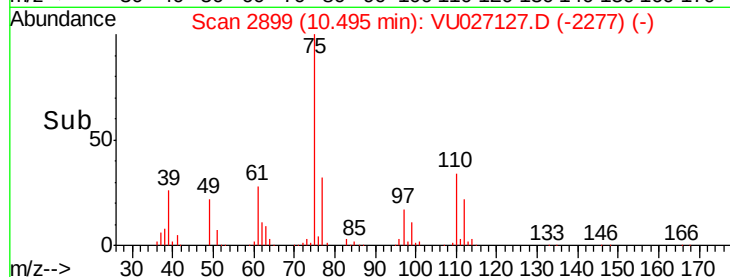
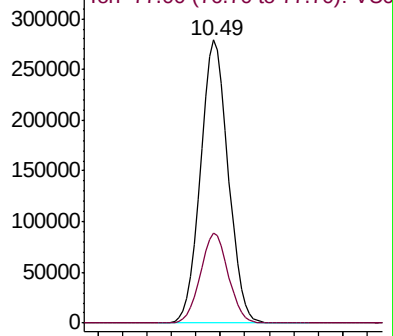
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU027127.D (-2887) (-)



#61

Bromoform

Concen: 197.611 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

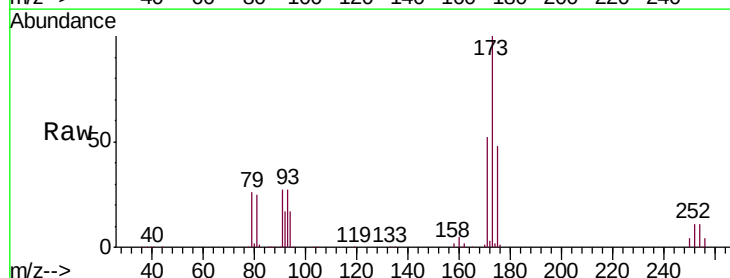
Tgt Ion: 173 Resp: 229710

Ion Ratio Lower Upper

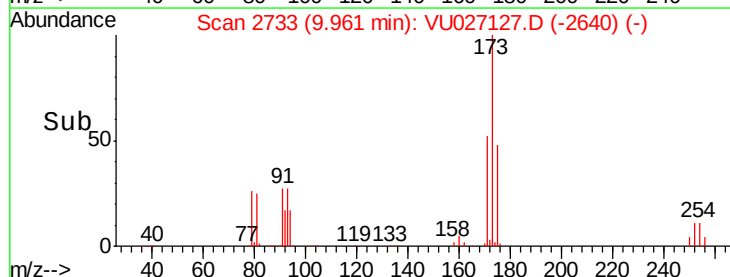
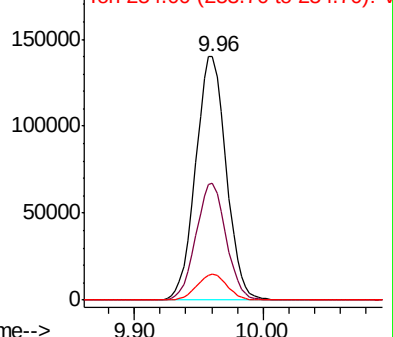
173 100

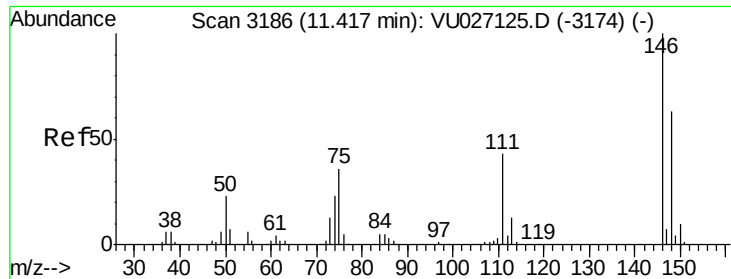
175 47.5 38.1 57.1

254 10.6 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): VU027127.D (-2721) (-)





#62

1,3-Dichlorobenzene

Concen: 205.776 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20054

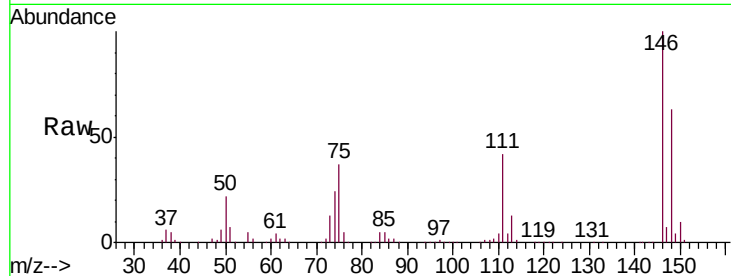
Tgt Ion:146 Resp: 579088

Ion Ratio Lower Upper

146 100

111 42.4 30.0 55.6

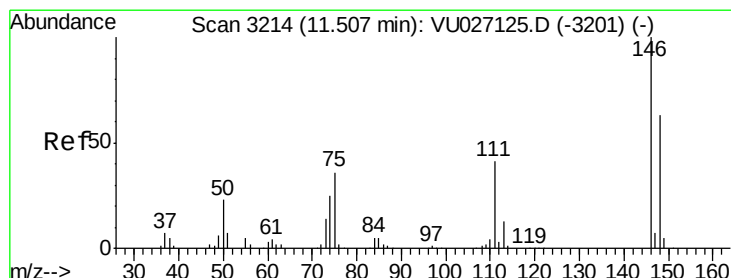
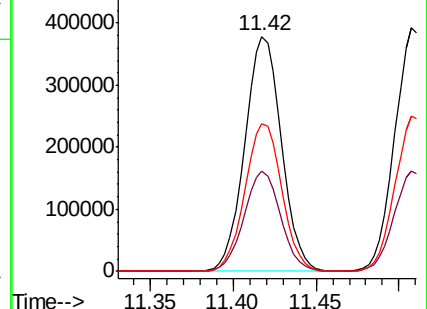
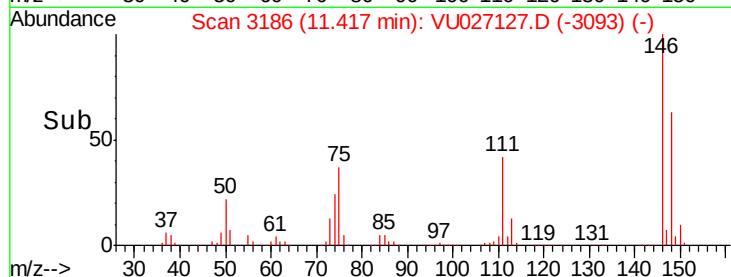
148 63.0 43.9 81.5



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: 198.273 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

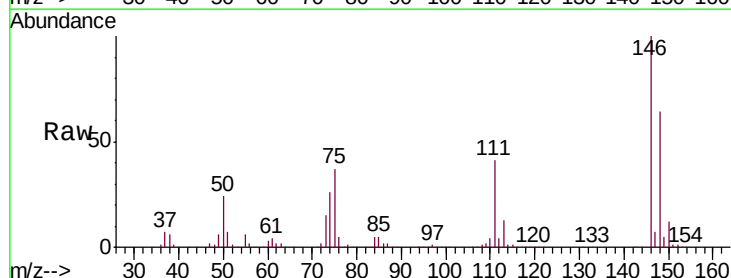
Tgt Ion:146 Resp: 592008

Ion Ratio Lower Upper

146 100

111 41.4 28.5 52.9

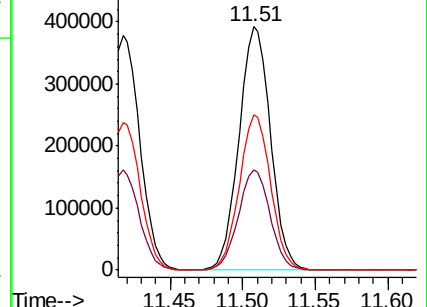
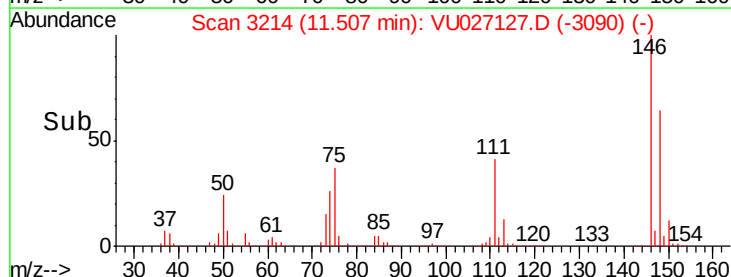
148 63.9 43.8 81.4

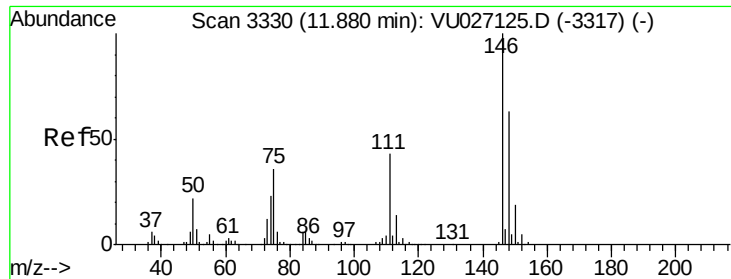


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

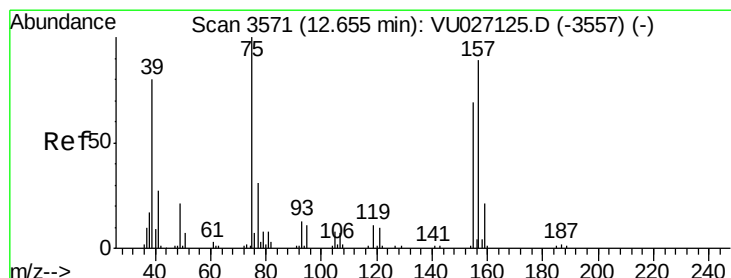
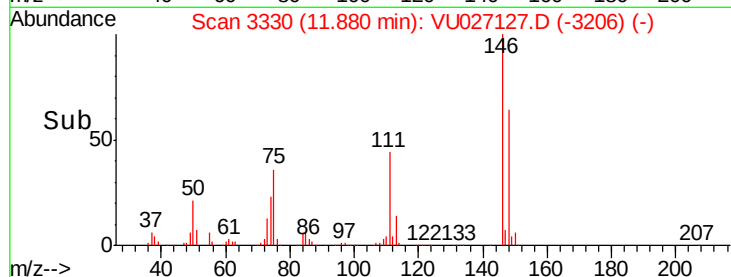
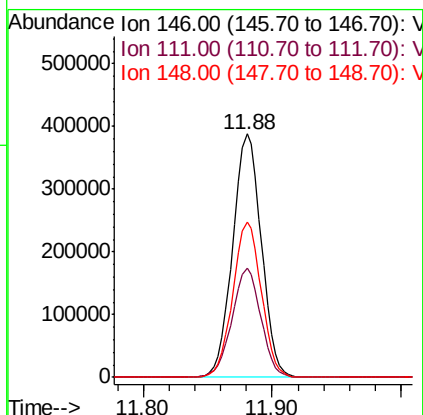
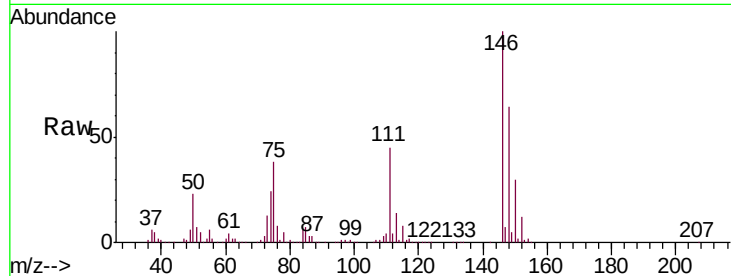




#65
 1,2-Dichlorobenzene
 Concen: 196.603 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

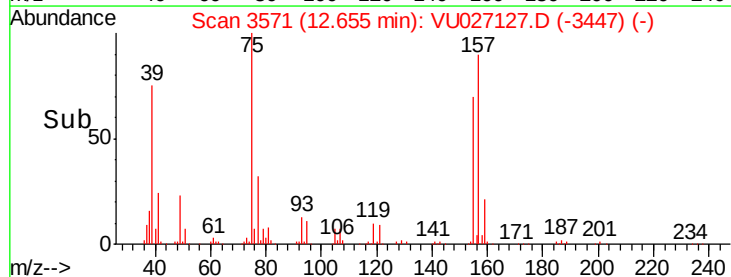
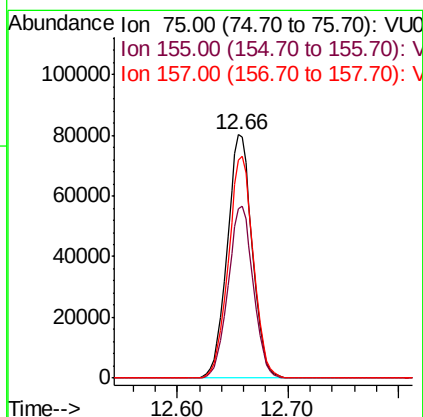
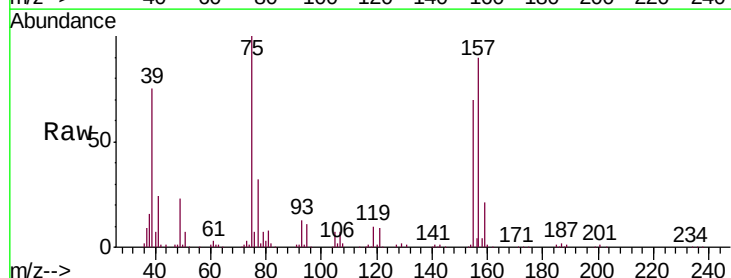
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD20054

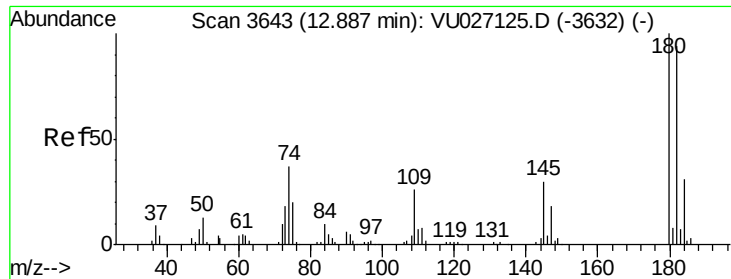
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	34.3	51.5
148	63.7	50.1	75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 204.165 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.6	54.9	82.3
157	89.6	70.9	106.3

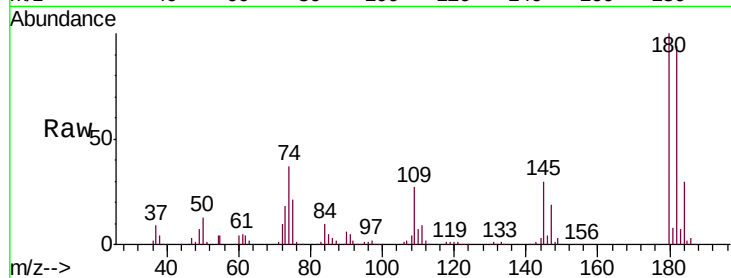




#67
 1,3,5-Trichlorobenzene
 Concen: 210.738 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20054

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
184	30.4	24.6	37.0
145	29.9	23.6	35.4



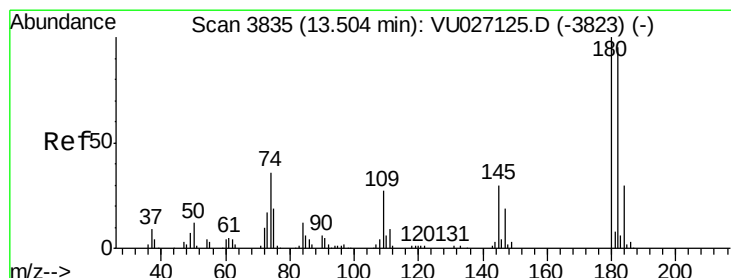
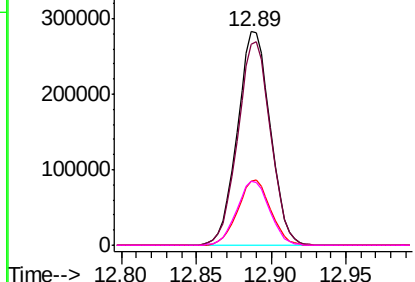
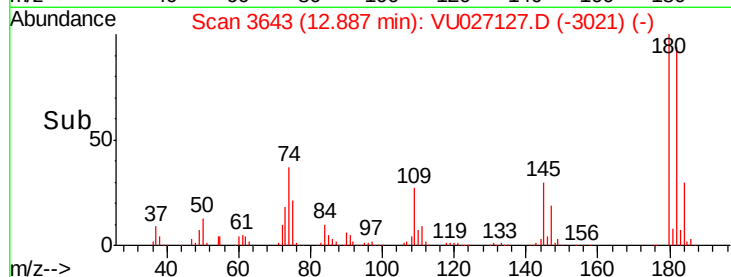
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

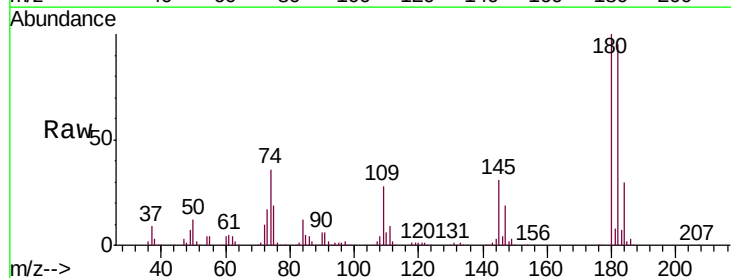
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 227.165 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027127.D
 Acq: 25 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	30.5	24.3	36.5

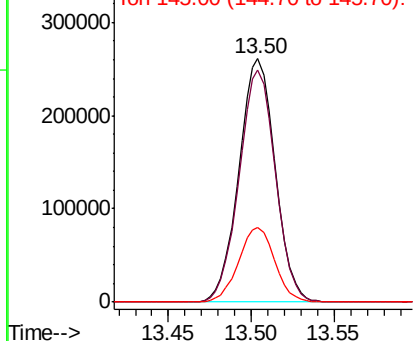
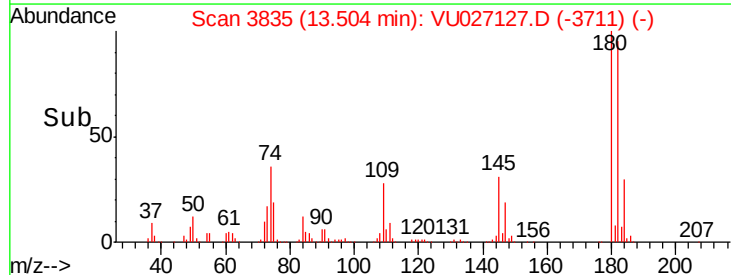


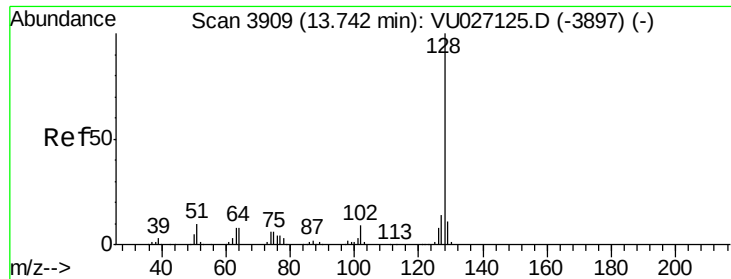
Abundance

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: 240.263 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20054

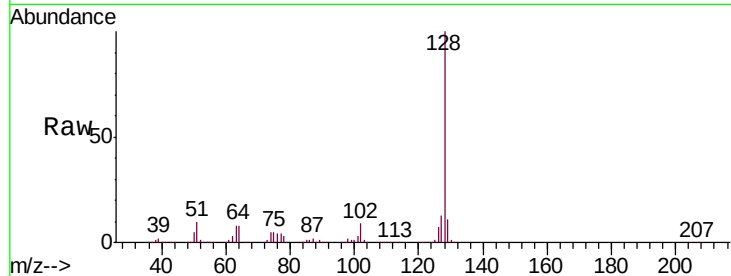
Tgt Ion:128 Resp: 1425776

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

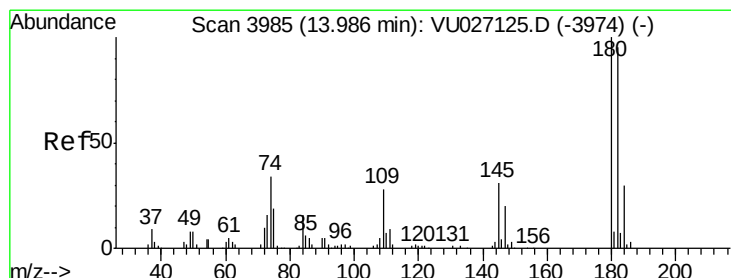
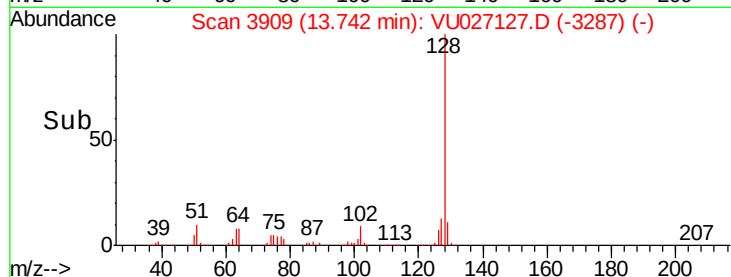
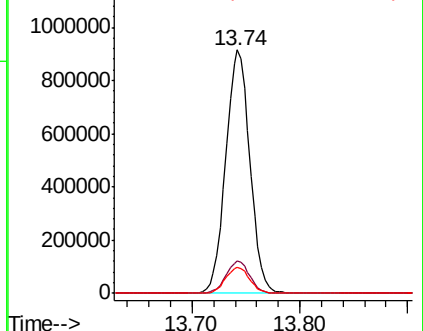
129 10.8 8.6 13.0



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: 213.435 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027127.D

Acq: 25 Sep 2018 12:22

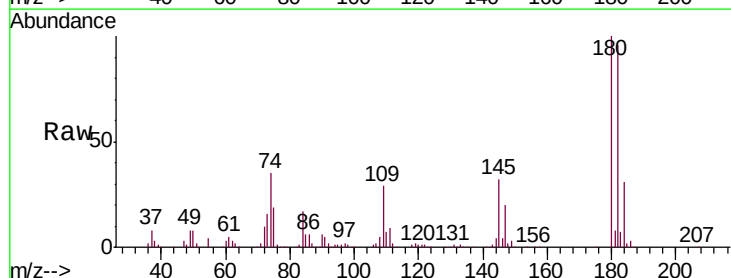
Tgt Ion:180 Resp: 409783

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

145 32.4 25.6 38.4



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

