

Data File : VU027137.D
Acq On : 25 Sep 2018 18:26
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Quant Time: Sep 26 02:28:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 02:22:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	182917	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	175338	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	79966	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74744	45.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.86%
7) Chloroethane-d5	1.68	69	62458	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.02%
11) 1,1-Dichloroethene-d2	2.27	63	144426	46.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.32%
21) 2-Butanone-d5	4.18	46	138363	104.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.57%
24) Chloroform-d	4.65	84	133493	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.10%
26) 1,2-Dichloroethane-d4	5.31	65	91552	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.86%
32) Benzene-d6	5.34	84	262647	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.26%
36) 1,2-Dichloropropane-d6	6.33	67	93859	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.52%
41) Toluene-d8	7.57	98	237527	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.85	79	43360	52.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.00%
47) 2-Hexanone-d5	8.31	63	99626	111.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126998	51.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	83450	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	85858	48.063	ug/L 99
3) Chloromethane	1.33	50	114003	50.212	ug/L 98
5) Vinyl chloride	1.40	62	100836	47.319	ug/L 99
6) Bromomethane	1.62	94	46256	50.948	ug/L 100
8) Chloroethane	1.70	64	61274	49.360	ug/L 96
9) Trichlorofluoromethane	1.89	101	109997	48.465	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	63303	48.591	ug/L 99
12) 1,1-Dichloroethene	2.28	96	57583	47.722	ug/L 91
13) Acetone	2.32	43	114604	93.787	ug/L 100
14) Carbon disulfide	2.48	76	191555	45.612	ug/L 100
15) Methyl Acetate	2.62	43	107739	48.525	ug/L 100
16) Methylene chloride	2.70	84	74720	48.194	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	62752	47.702	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	229366	50.040	ug/L 99
19) 1,1-Dichloroethane	3.45	63	146717	48.530	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	72471	48.950	ug/L 98
22) 2-Butanone	4.26	43	156762	98.346	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	33956	48.773	ug/L	98
25) Chloroform	4.67	83	135970	47.961	ug/L	99
27) 1,2-Dichloroethane	5.41	62	114903	48.846	ug/L	99
29) Cyclohexane	5.00	56	131267	50.920	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	107923	49.177	ug/L	99
31) Carbon tetrachloride	5.14	117	91162	49.029	ug/L	100
33) Benzene	5.39	78	294340	50.029	ug/L	100
34) Trichloroethene	6.19	95	66965	48.787	ug/L	98
35) Methylcyclohexane	6.42	83	114917	49.668	ug/L	100
37) 1,2-Dichloropropane	6.43	63	90573	50.201	ug/L	100
38) Bromodichloromethane	6.76	83	99990	48.789	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	121500	50.043	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	281291	106.275	ug/L	100
42) Toluene	7.64	91	298677	51.471	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	119299	50.844	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	71010	49.676	ug/L	98
46) Tetrachloroethene	8.23	164	49004	49.783	ug/L	99
48) 2-Hexanone	8.36	43	222499	103.018	ug/L	99
49) Dibromochloromethane	8.48	129	72743	49.876	ug/L	99
50) 1,2-Dibromoethane	8.59	107	72653	49.490	ug/L	97
51) Chlorobenzene	9.12	112	178902	48.738	ug/L	99
52) Ethylbenzene	9.25	91	322766	50.939	ug/L	100
53) m,p-Xylene	9.38	106	117287	51.990	ug/L	100
54) o-xylene	9.78	106	116350	52.650	ug/L	98
55) Styrene	9.79	104	198698	52.442	ug/L	100
56) Isopropylbenzene	10.17	105	300243	52.040	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	128382	49.249	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	103970	49.363	ug/L	100
61) Bromoform	9.96	173	49743	48.440	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	121983	49.067	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	127422	48.308	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	131797	49.085	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	26610	48.836	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	89337	49.228	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	76643	49.643	ug/L	100
69) Naphthalene	13.74	128	280778	53.560	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	86093	50.760	ug/L	99

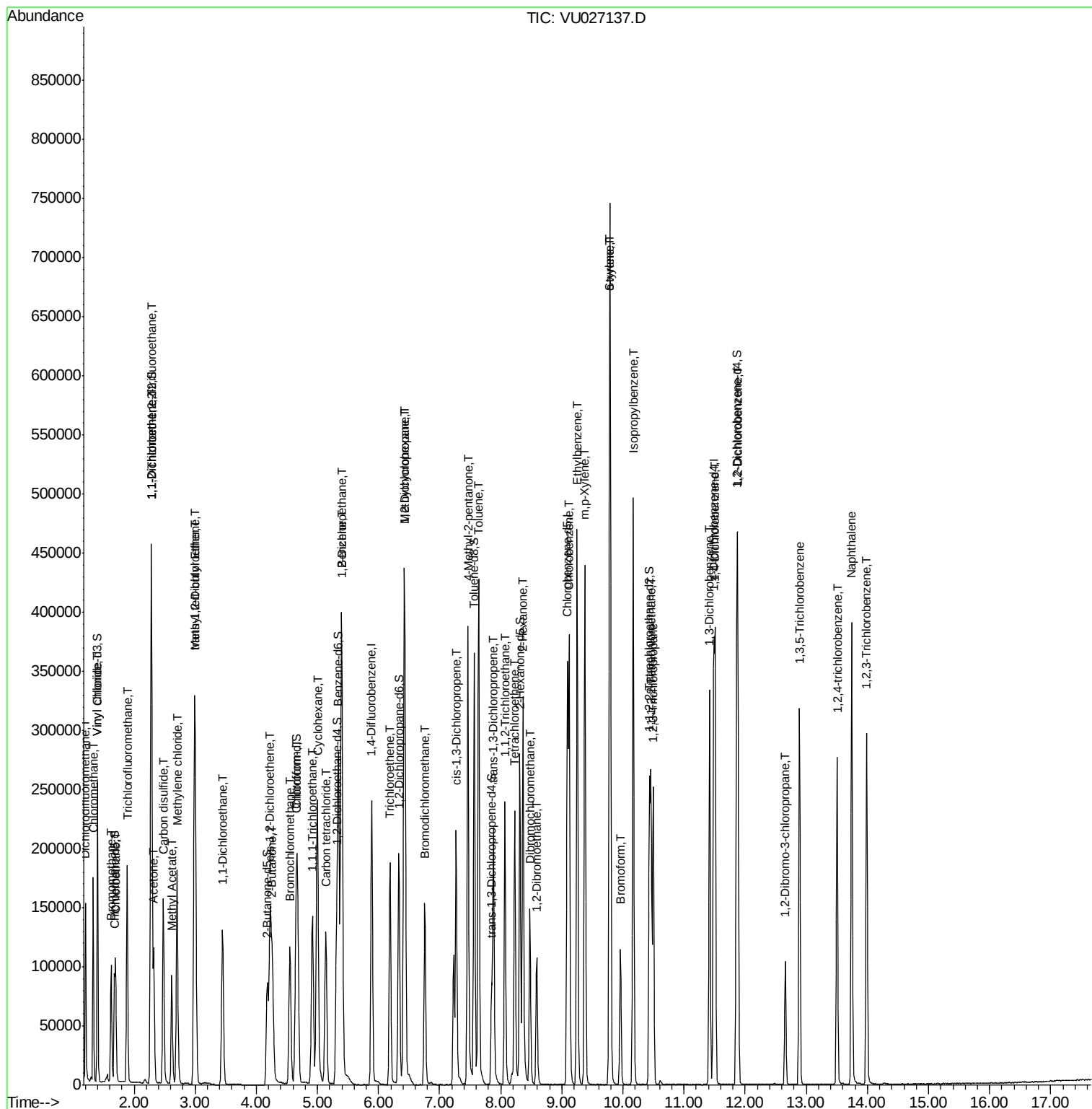
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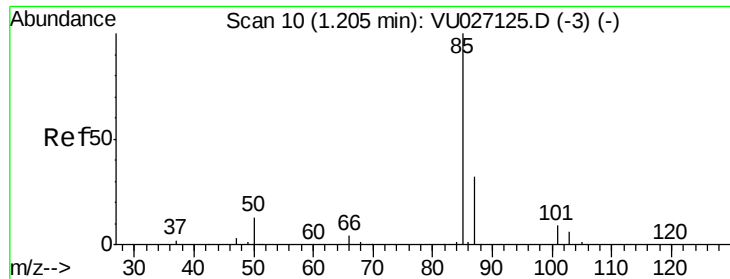
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#2

Dichlorodifluoromethane

Concen: 48.063 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

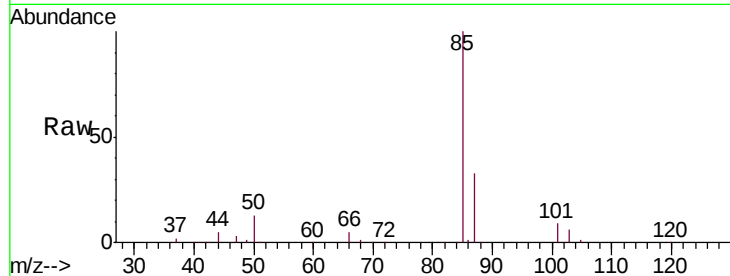
VSTD05056

Tgt Ion: 85 Resp: 85858

Ion Ratio Lower Upper

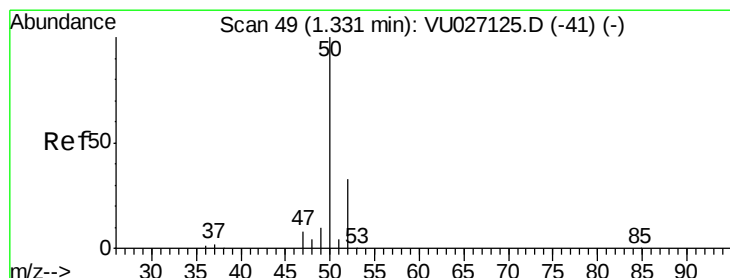
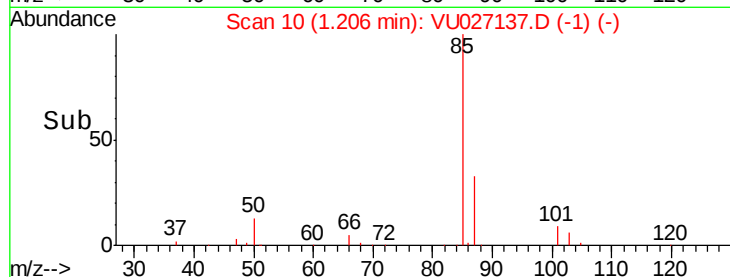
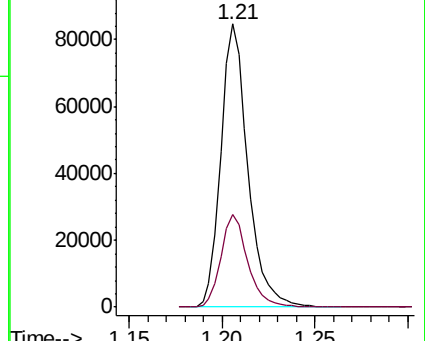
85 100

87 32.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU027125.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU027125.D (-3) (-)



#3

Chloromethane

Concen: 50.212 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027137.D

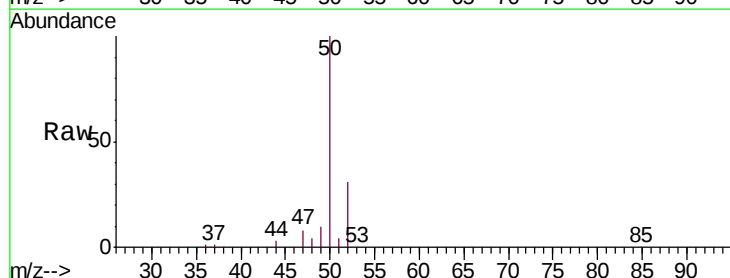
Acq: 25 Sep 2018 18:26

Tgt Ion: 50 Resp: 114003

Ion Ratio Lower Upper

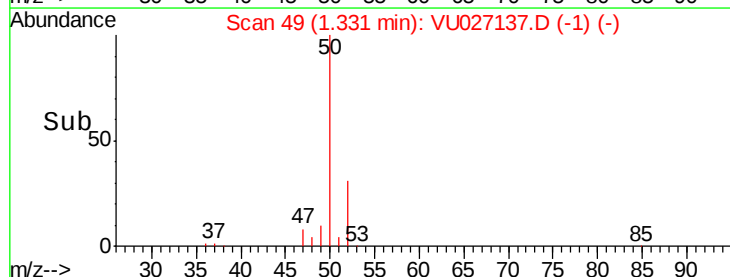
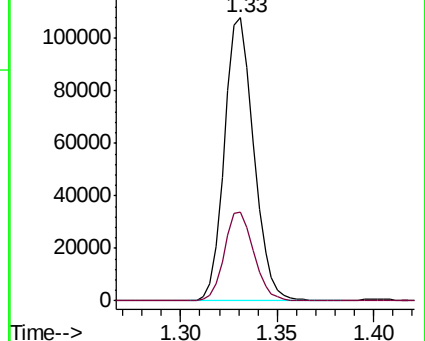
50 100

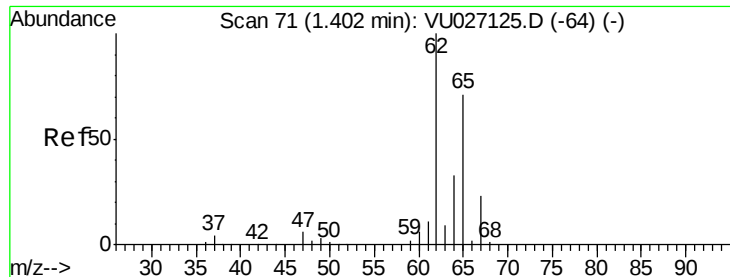
52 31.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU027125.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU027125.D (-41) (-)





#5

Vinyl chloride

Concen: 47.319 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

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ClientSampleId :

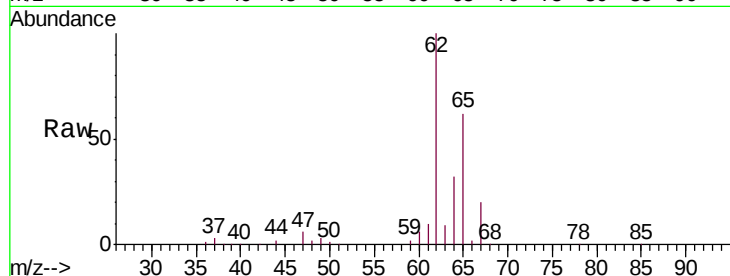
VSTD05056

Tgt Ion: 62 Resp: 100836

Ion Ratio Lower Upper

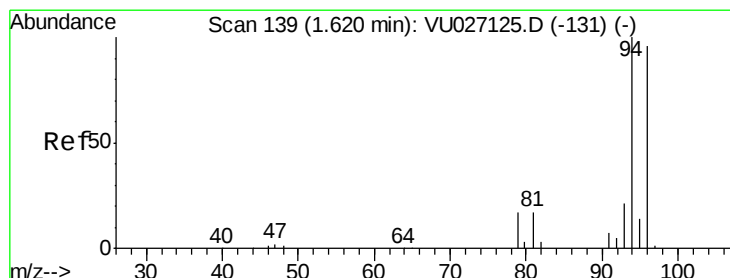
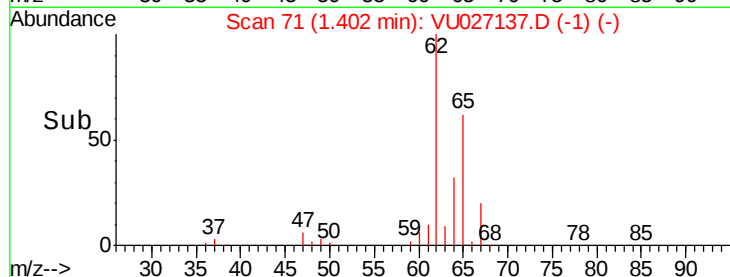
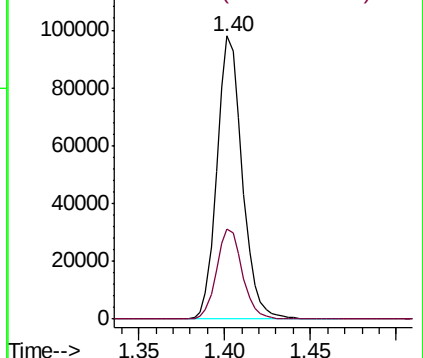
62 100

64 32.0 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: 50.948 ug/L

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU027137.D

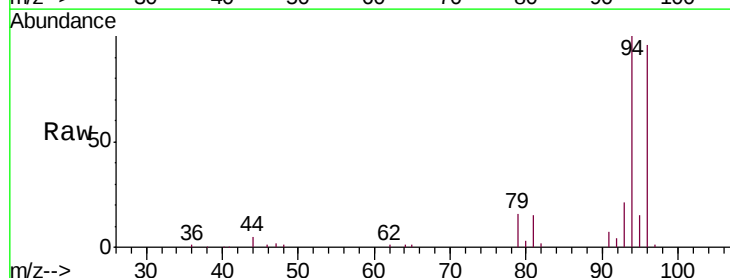
Acq: 25 Sep 2018 18:26

Tgt Ion: 94 Resp: 46256

Ion Ratio Lower Upper

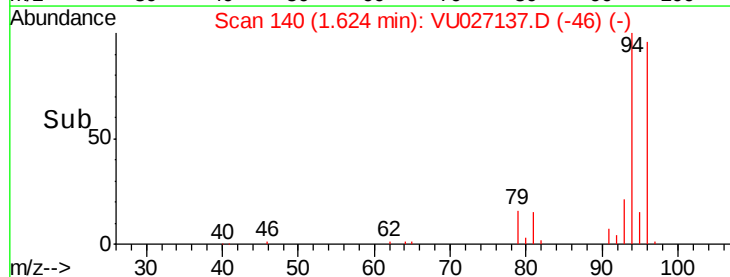
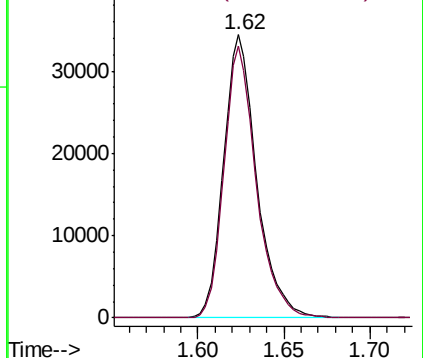
94 100

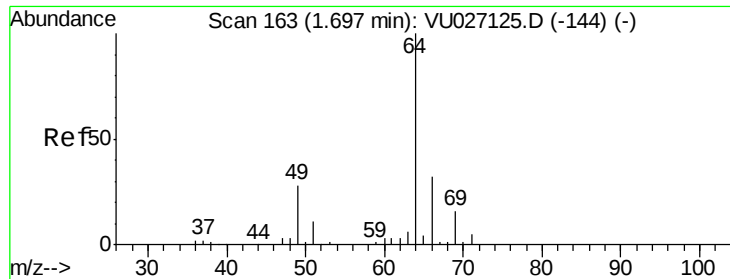
96 96.0 67.1 124.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

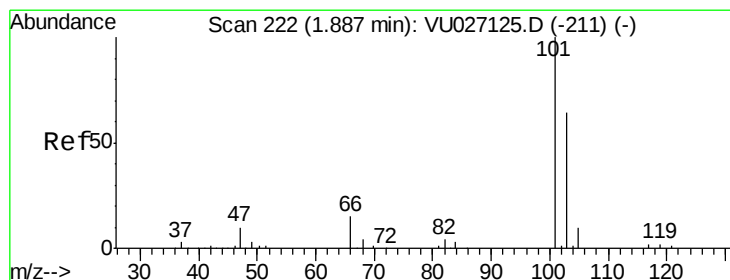
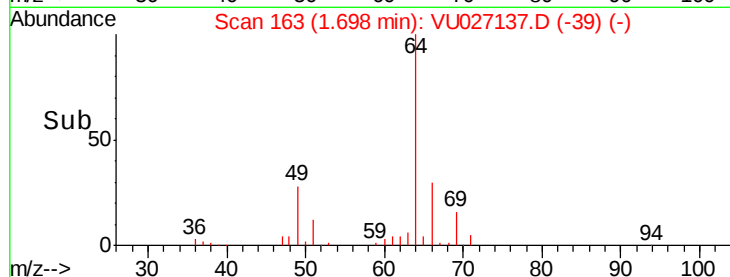
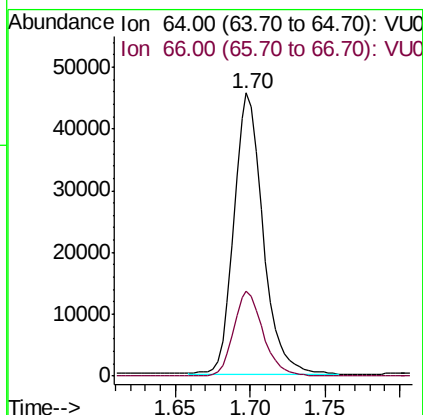
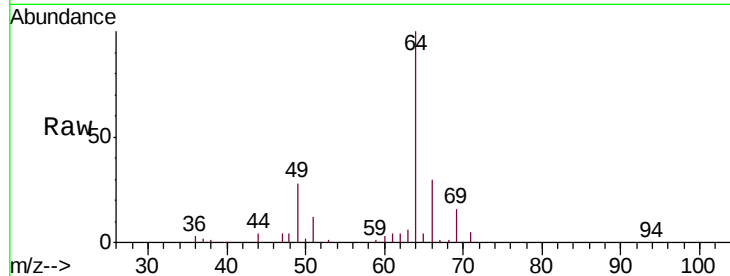




#8
Chloroethane
Concen: 49.360 ug/L
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

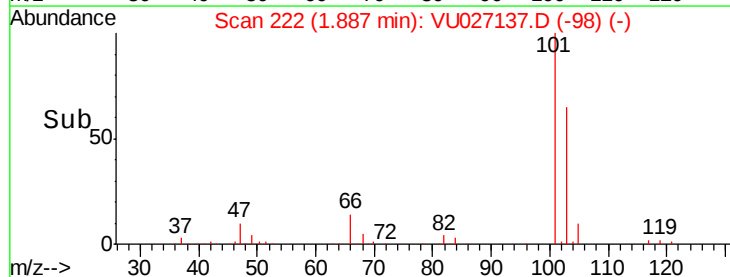
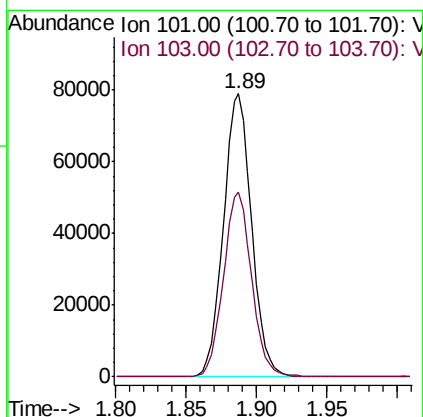
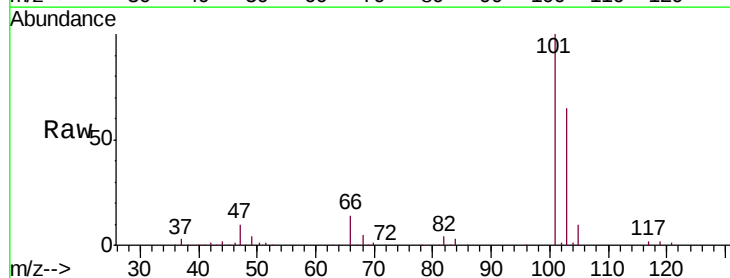
Instrument :
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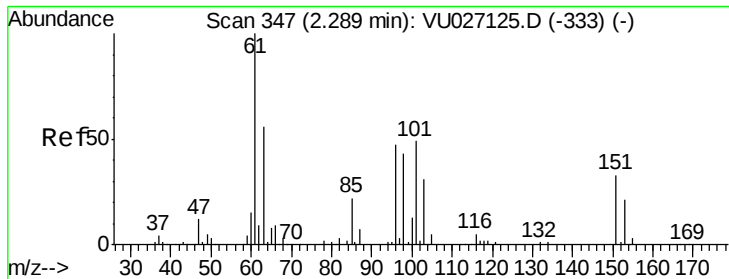
Tgt Ion: 64 Resp: 61274
Ion Ratio Lower Upper
64 100
66 30.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 48.465 ug/L
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

Tgt Ion: 101 Resp: 109997
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8





#10

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

Concen: 48.591 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

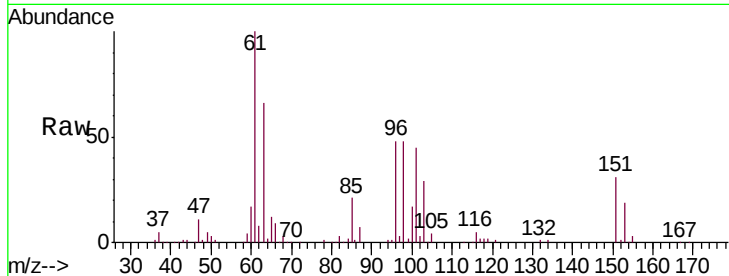
Tgt Ion:101 Resp: 63303

Ion Ratio Lower Upper

101 100

85 46.6 37.0 55.6

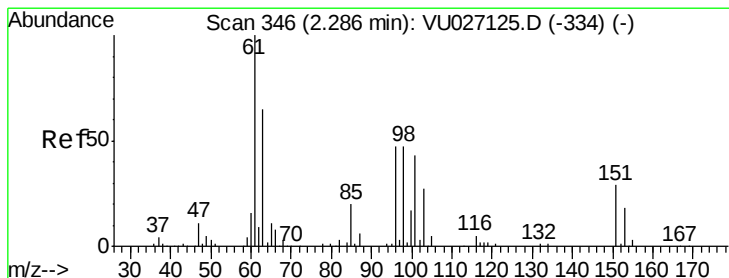
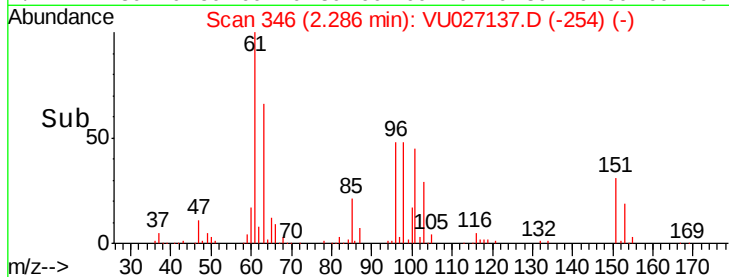
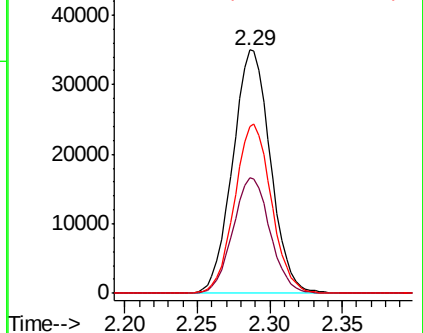
151 67.8 53.5 80.3



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: 47.722 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

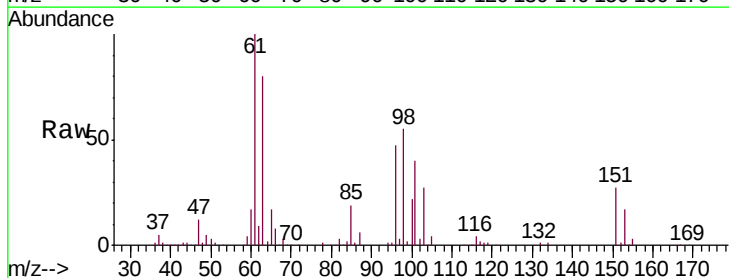
Tgt Ion: 96 Resp: 57583

Ion Ratio Lower Upper

96 100

61 214.1 150.0 278.6

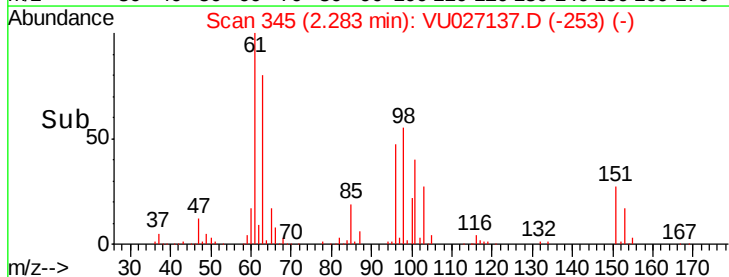
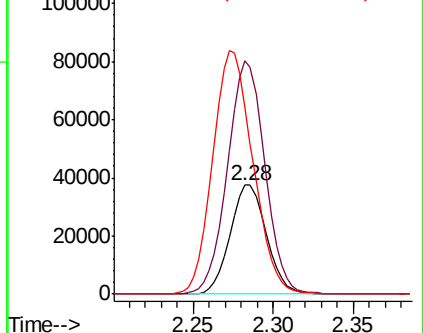
63 172.3 101.8 189.0

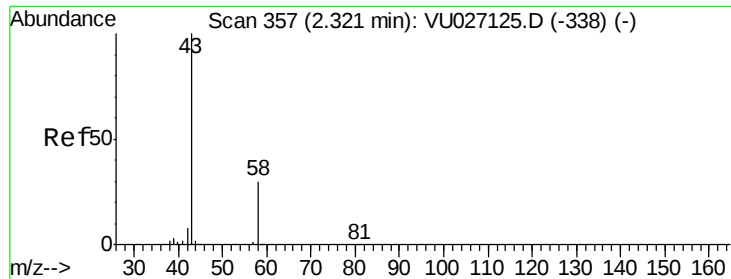


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 93.787 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027137.D

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ClientSampleId :

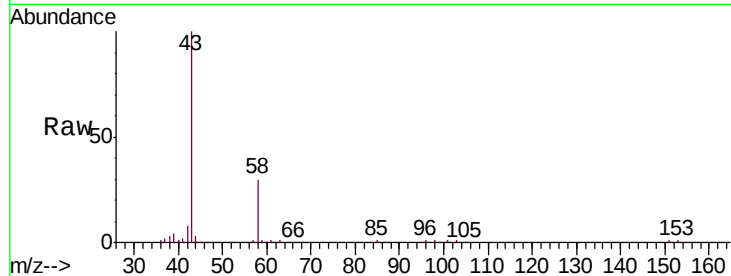
VSTD05056

Tgt Ion: 43 Resp: 114604

Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.6



Abundance Ion 43.00 (42.70 to 43.70): VU027125.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU027125.D (-338) (-)

2.32

80000

60000

40000

20000

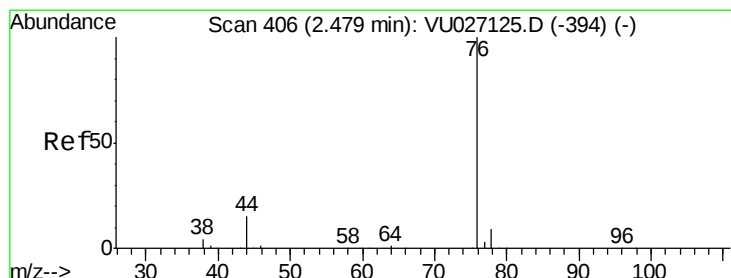
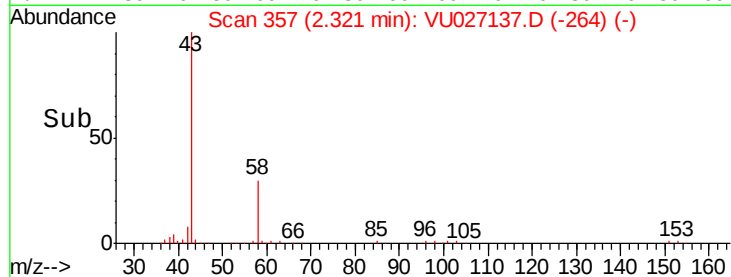
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Time-->

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 45.612 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027137.D

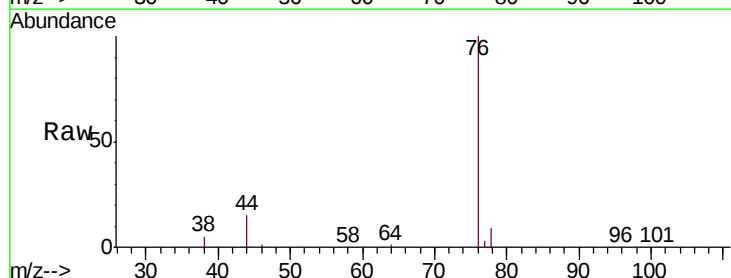
Acq: 25 Sep 2018 18:26

Tgt Ion: 76 Resp: 191555

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU027125.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027125.D (-394) (-)

2.48

100000

50000

0

Time-->

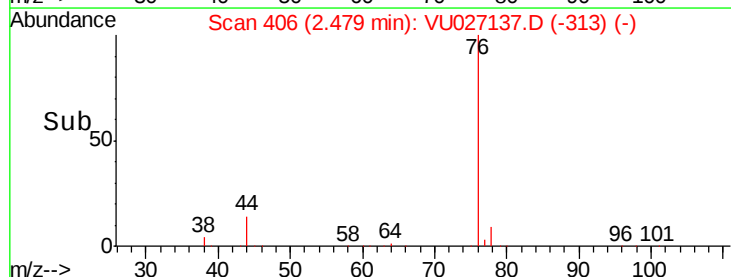
2.40

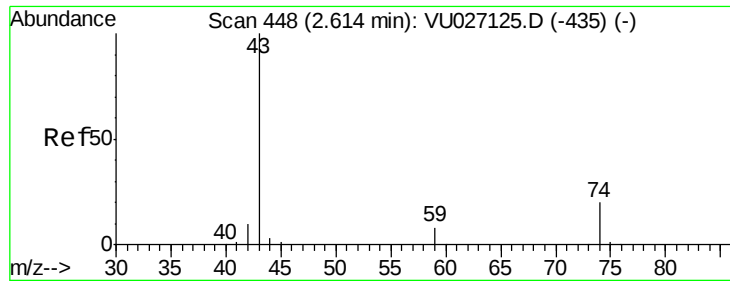
2.45

2.50

2.55

2.60

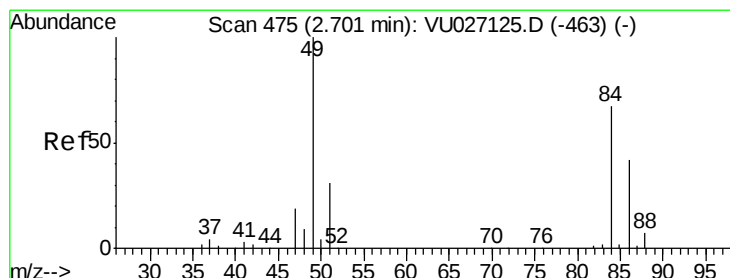
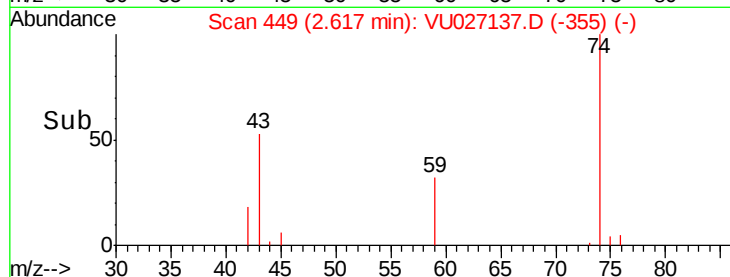
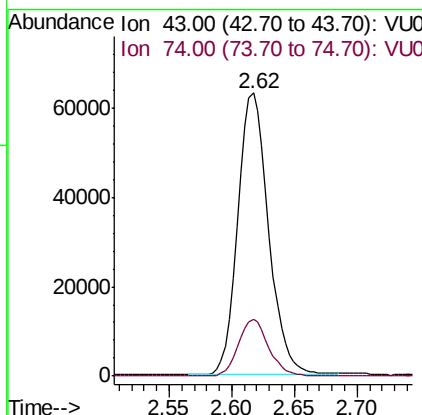
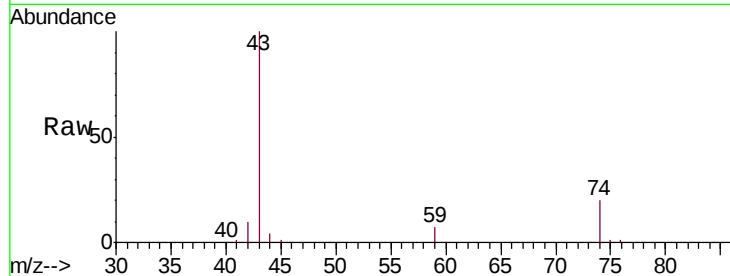




#15
Methyl Acetate
Concen: 48.525 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

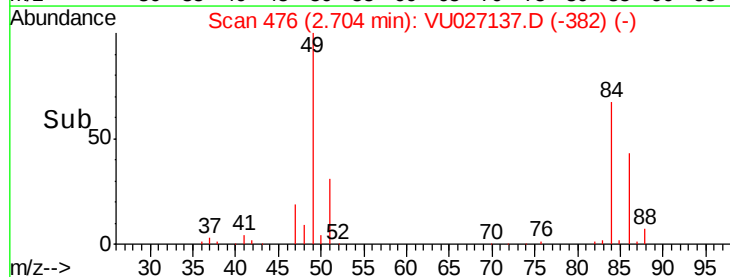
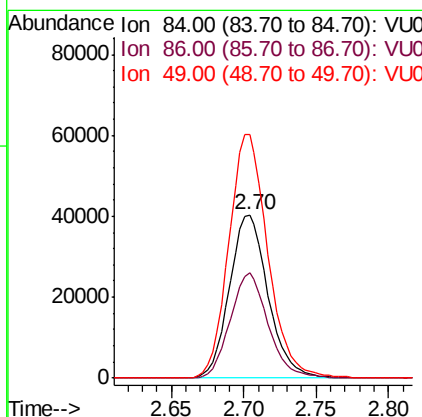
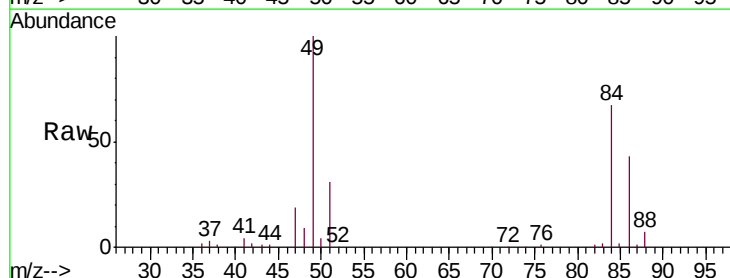
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

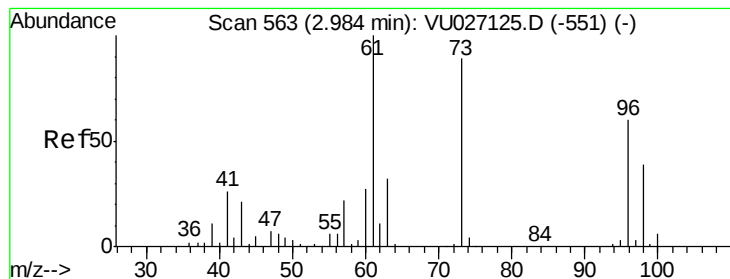
Tgt Ion: 43 Resp: 107739
Ion Ratio Lower Upper
43 100
74 19.7 15.9 23.9



#16
Methylene chloride
Concen: 48.194 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

Tgt Ion: 84 Resp: 74720
Ion Ratio Lower Upper
84 100
86 64.2 43.8 81.3
49 149.2 104.4 194.0





#17

trans-1,2-Dichloroethene

Concen: 47.702 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

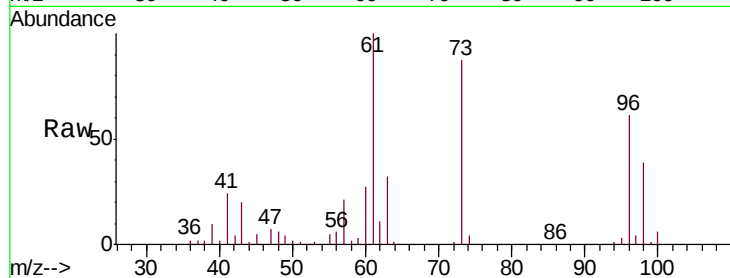
Tgt Ion: 96 Resp: 62752

Ion Ratio Lower Upper

96 100

61 164.4 117.2 217.8

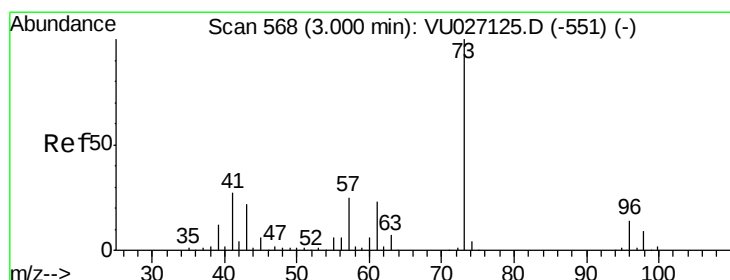
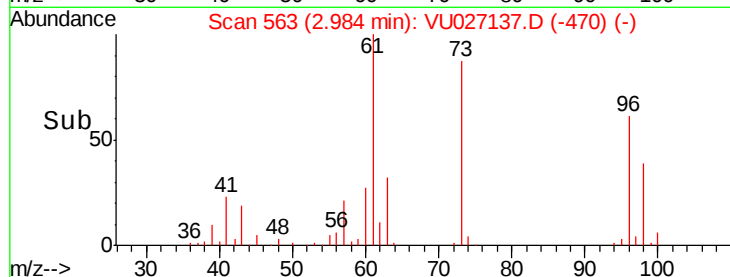
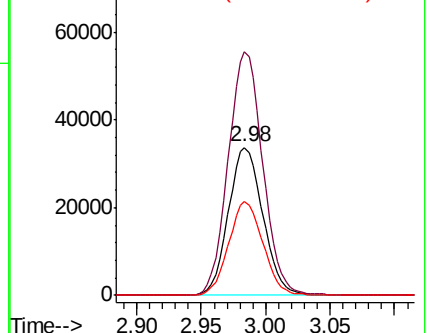
98 63.4 45.3 84.1



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 50.040 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

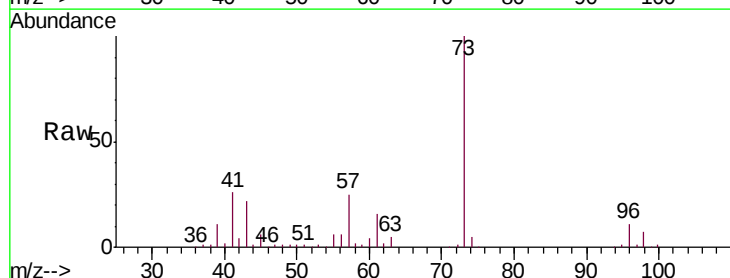
Tgt Ion: 73 Resp: 229366

Ion Ratio Lower Upper

73 100

43 22.5 17.9 26.9

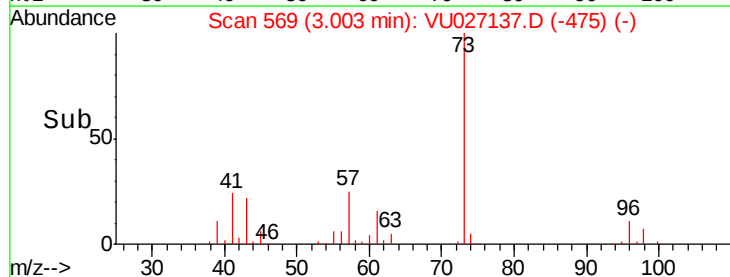
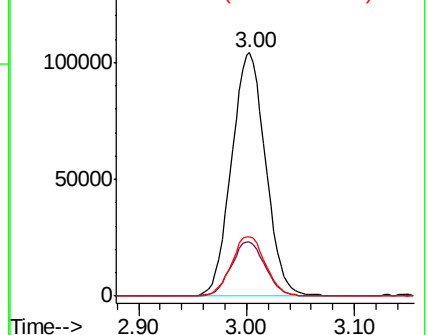
57 24.5 20.0 30.0

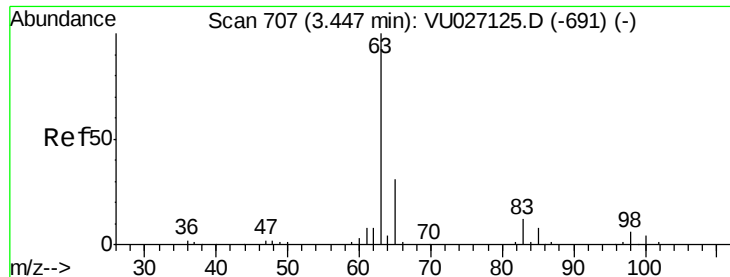


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

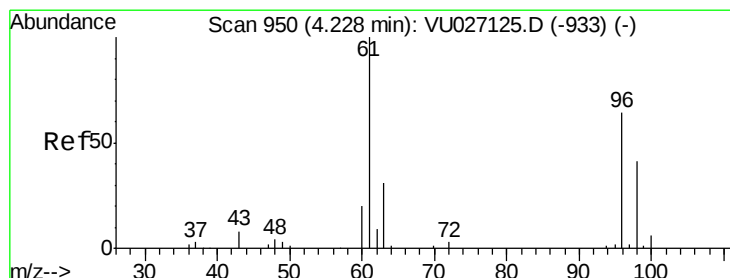
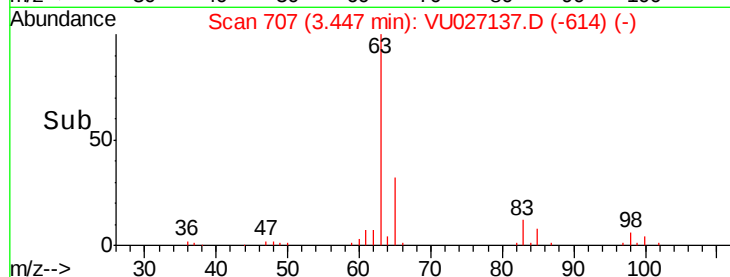
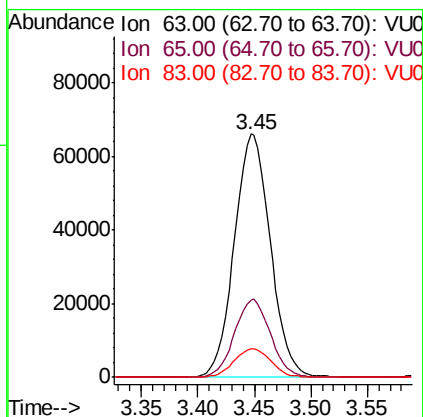
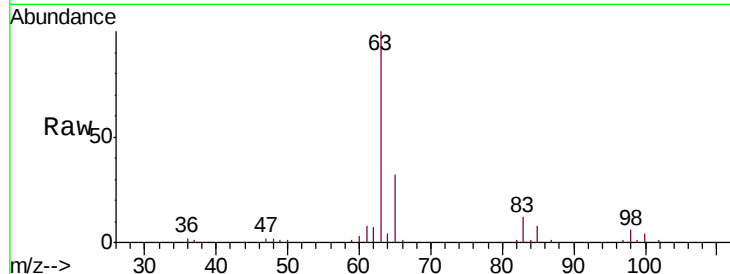




#19
 1,1-Dichloroethane
 Concen: 48.530 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027137.D
 Acq: 25 Sep 2018 18:26

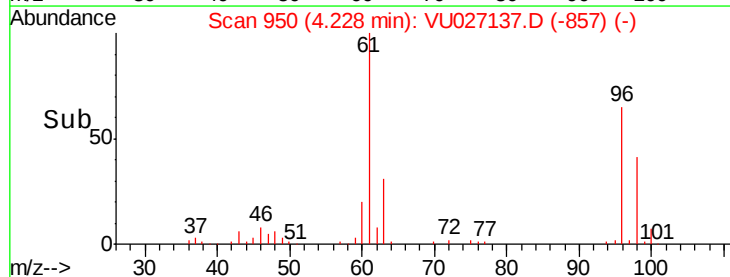
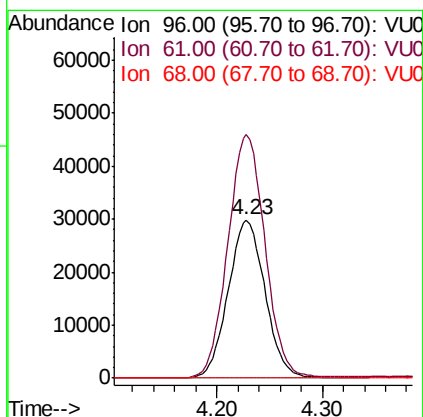
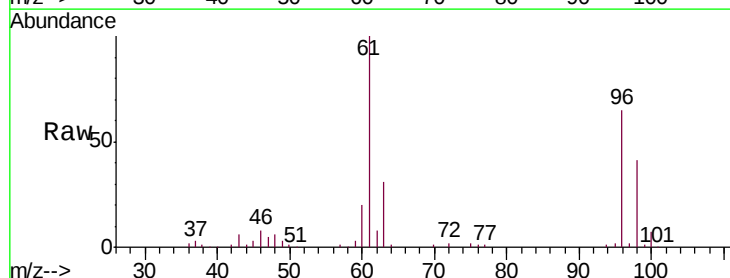
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

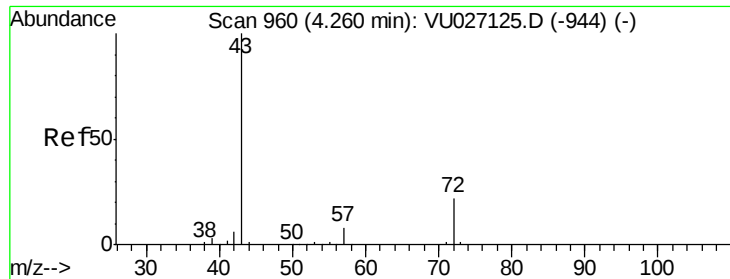
Tgt Ion: 63 Resp: 146717
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.0 40.8
 83 11.7 8.4 15.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.950 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027137.D
 Acq: 25 Sep 2018 18:26

Tgt Ion: 96 Resp: 72471
 Ion Ratio Lower Upper
 96 100
 61 153.9 109.6 203.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.346 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

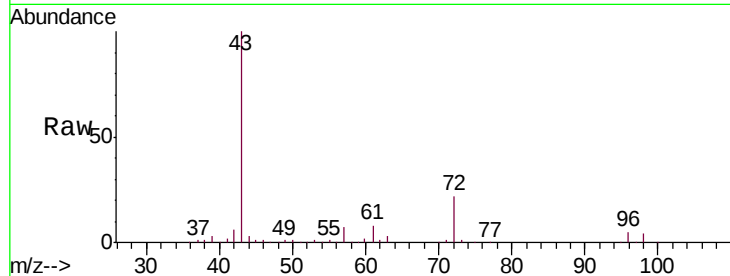
VSTD05056

Tgt Ion: 43 Resp: 156762

Ion Ratio Lower Upper

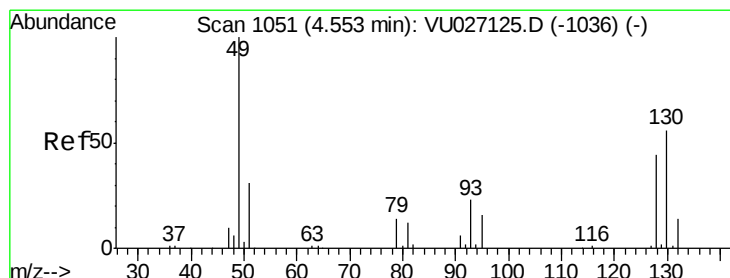
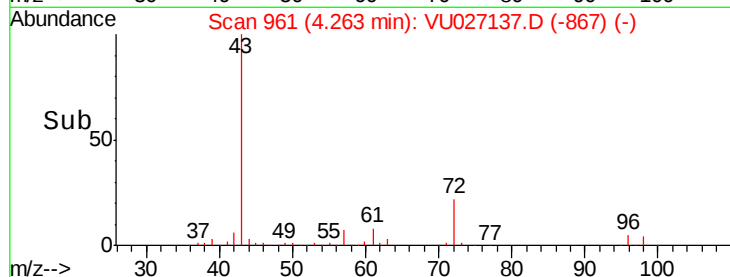
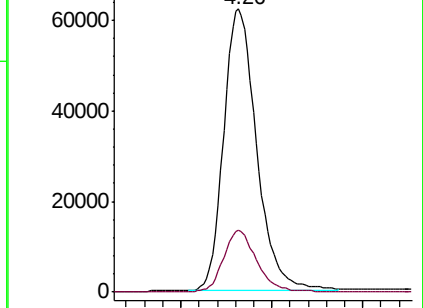
43 100

72 22.4 11.3 33.9



Abundance Ion 43.00 (42.70 to 43.70): VU027137.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU027137.D (-961) (-)



#23

Bromochloromethane

Concen: 48.773 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Tgt Ion: 128 Resp: 33956

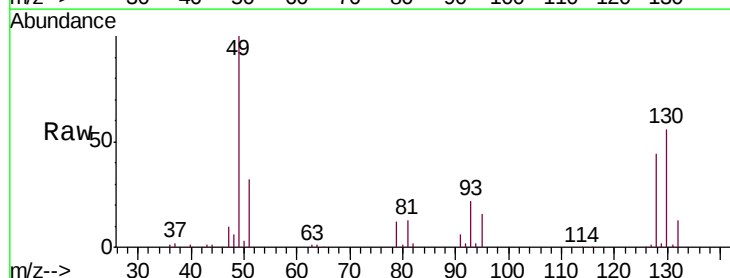
Ion Ratio Lower Upper

128 100

49 229.7 159.0 295.4

130 128.0 88.6 164.6

51 73.2 56.2 84.2

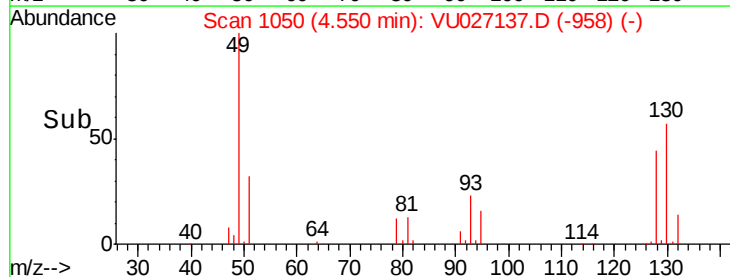
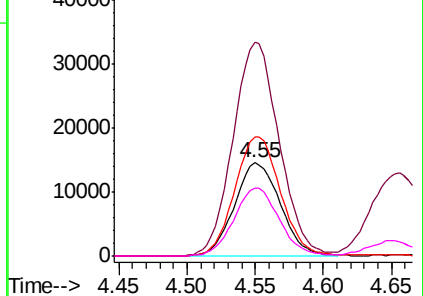


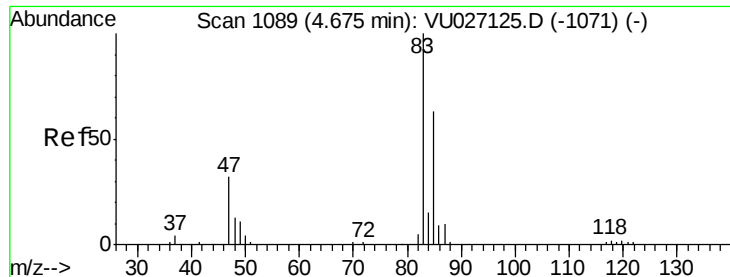
Abundance Ion 128.00 (127.70 to 128.70): VU027137.D (-958) (-)

Ion 49.00 (48.70 to 49.70): VU027137.D (-958) (-)

Ion 130.00 (129.70 to 130.70): VU027137.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VU027137.D (-958) (-)

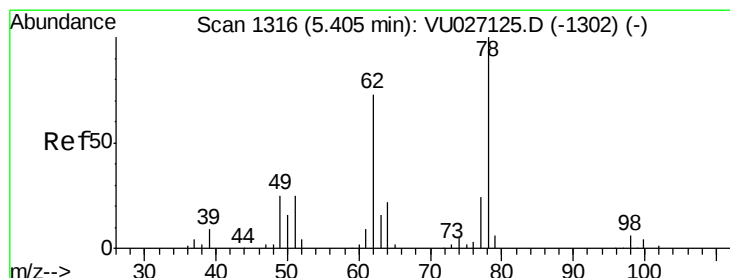
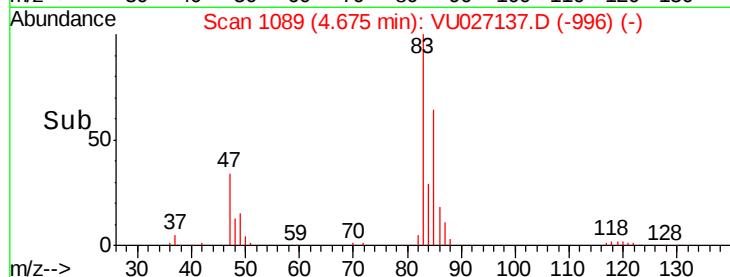
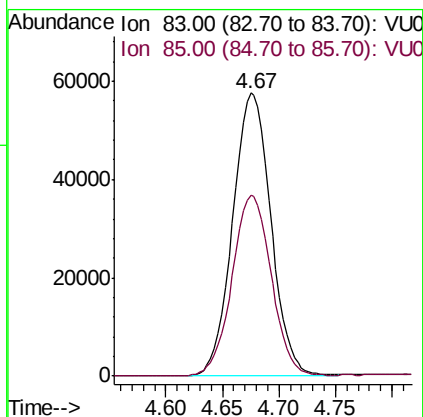
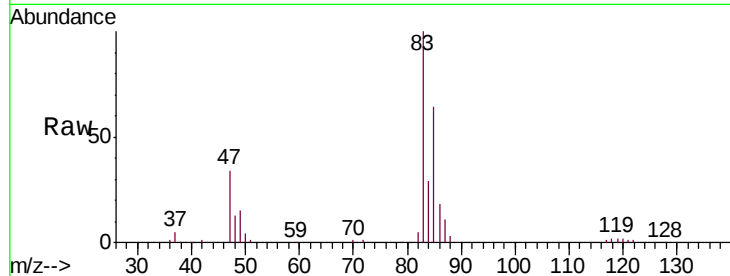




#25
Chloroform
Concen: 47.961 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

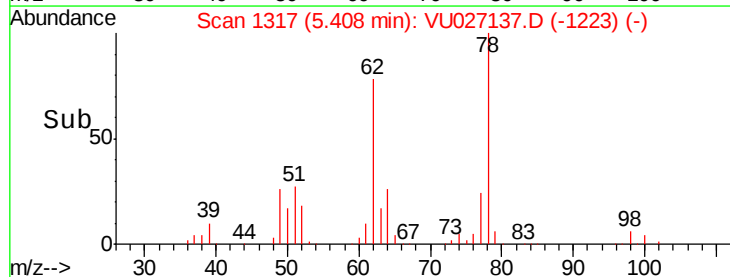
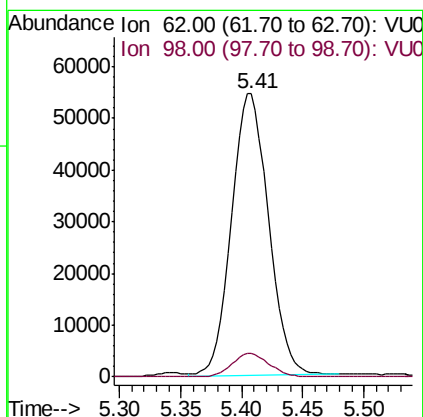
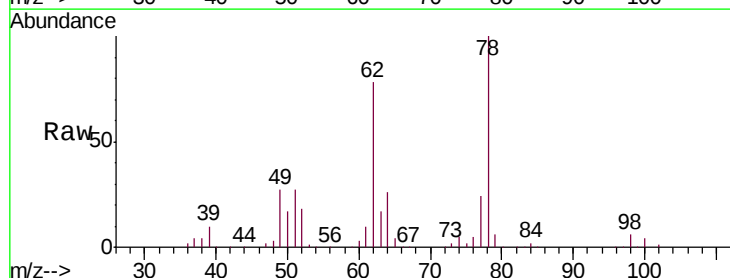
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

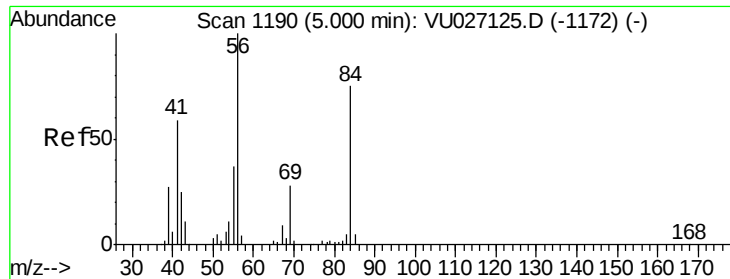
Tgt Ion: 83 Resp: 135970
Ion Ratio Lower Upper
83 100
85 63.8 44.0 81.6



#27
1,2-Dichloroethane
Concen: 48.846 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

Tgt Ion: 62 Resp: 114903
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6

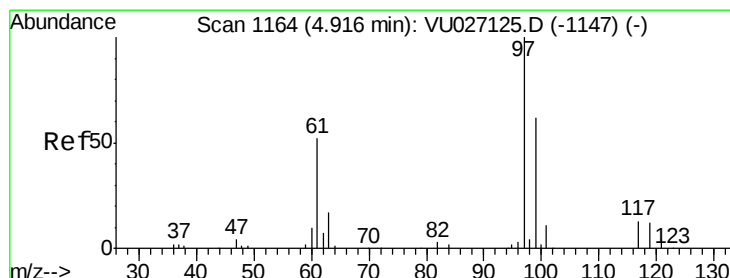
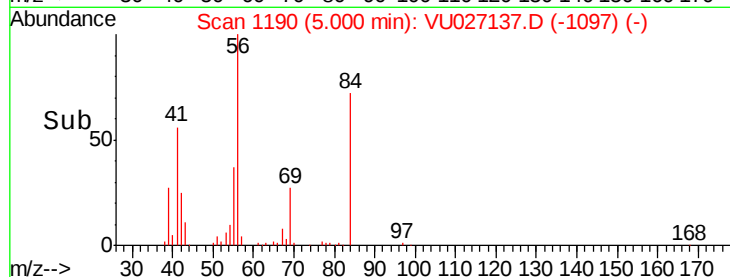
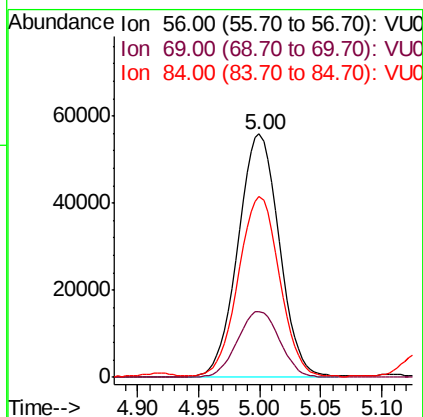
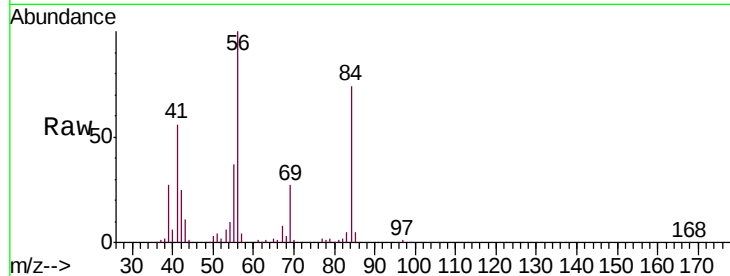




#29
Cyclohexane
Concen: 50.920 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

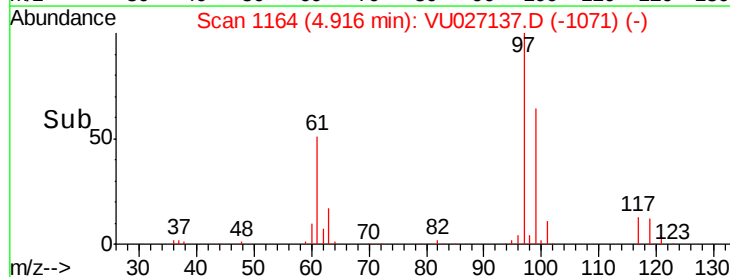
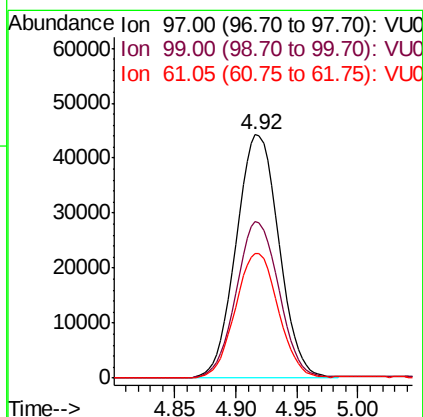
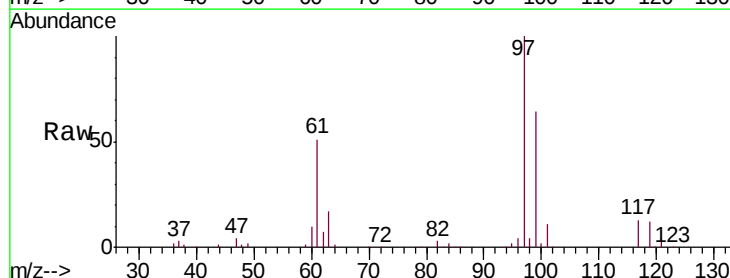
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

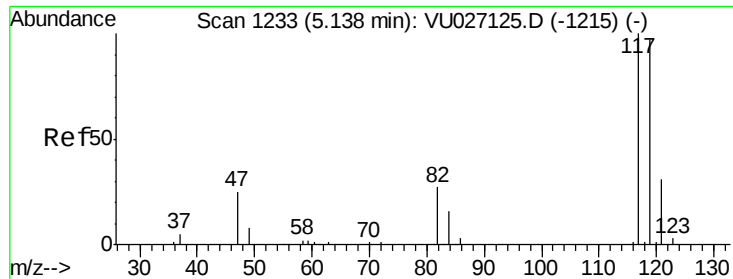
Tgt Ion: 56 Resp: 131267
Ion Ratio Lower Upper
56 100
69 27.8 22.3 33.5
84 73.9 59.8 89.8



#30
1,1,1-Trichloroethane
Concen: 49.177 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

Tgt Ion: 97 Resp: 107923
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 51.2 42.3 63.5





#31

Carbon tetrachloride

Concen: 49.029 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

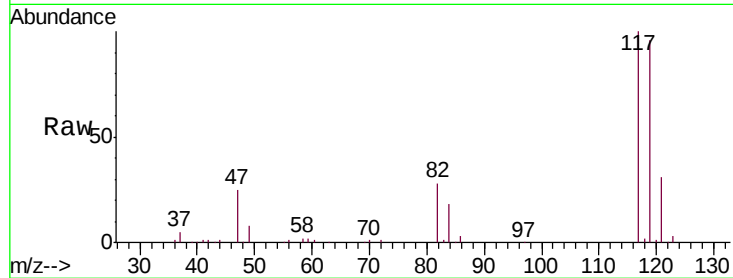
VSTD05056

Tgt Ion:117 Resp: 91162

Ion Ratio Lower Upper

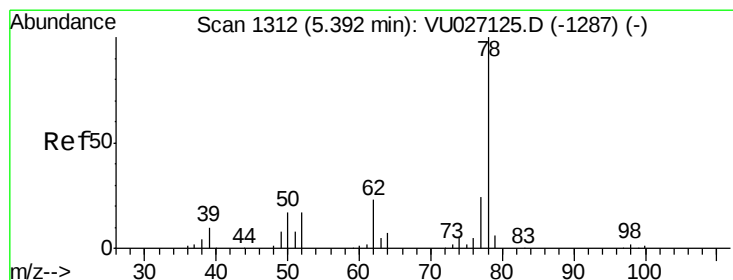
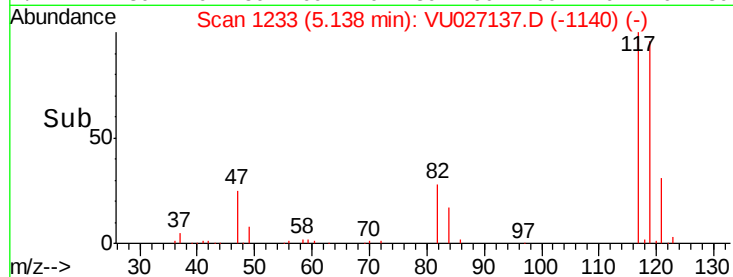
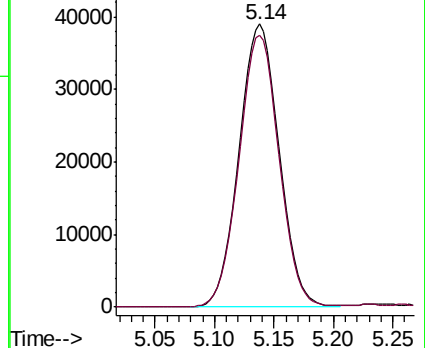
117 100

119 96.1 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.029 ug/L

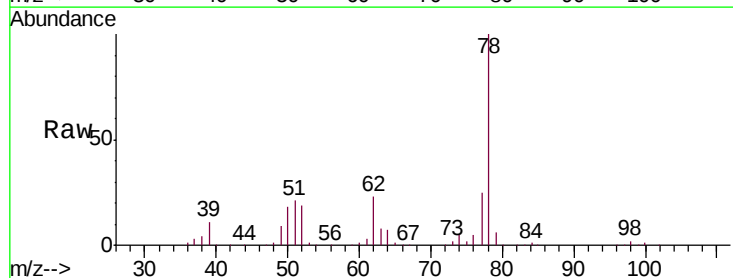
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

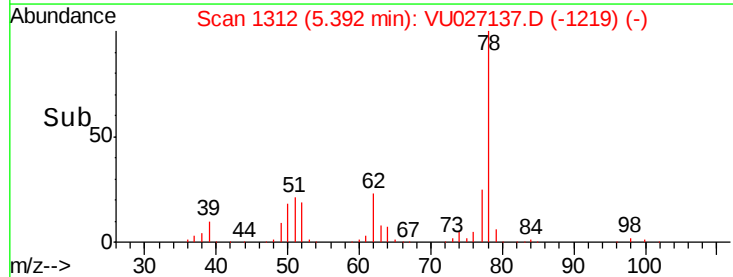
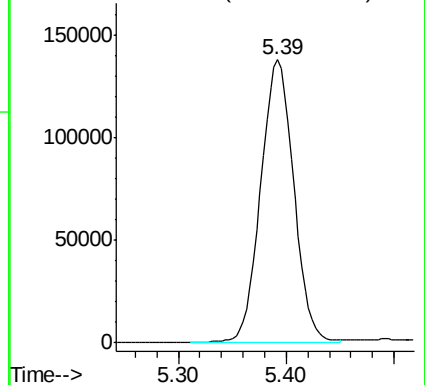
Lab File: VU027137.D

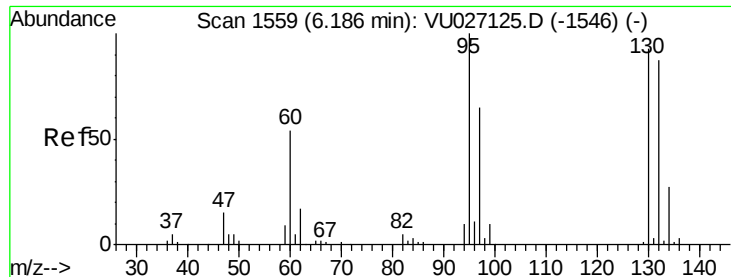
Acq: 25 Sep 2018 18:26

Tgt Ion: 78 Resp: 294340



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.787 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion: 95 Resp: 66965

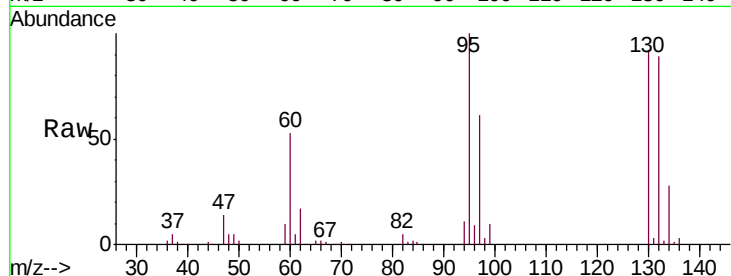
Ion Ratio Lower Upper

95 100

97 61.4 45.4 84.2

132 89.4 61.1 113.5

130 92.1 65.0 120.6

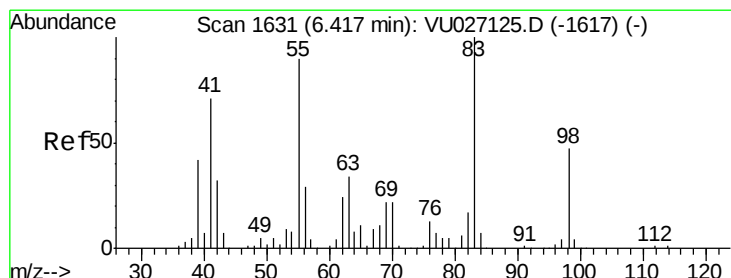
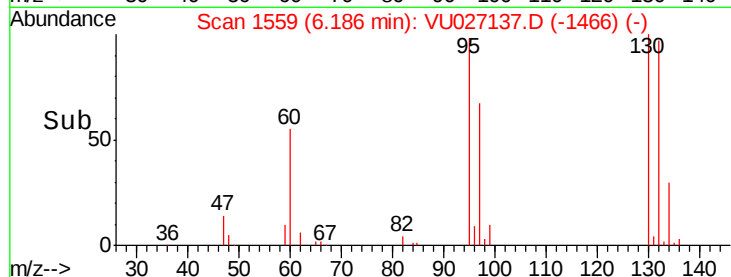
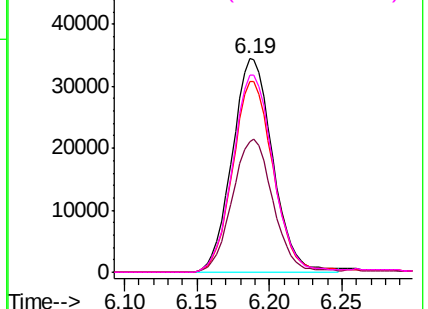


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.668 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

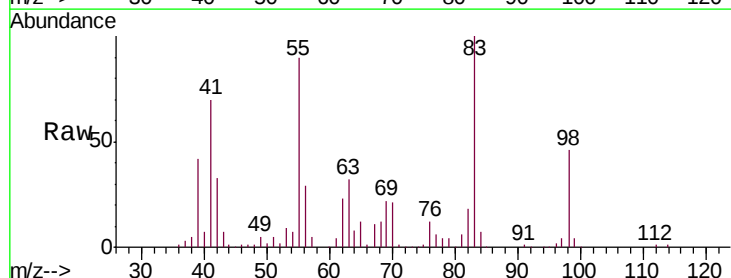
Tgt Ion: 83 Resp: 114917

Ion Ratio Lower Upper

83 100

55 91.3 73.2 109.8

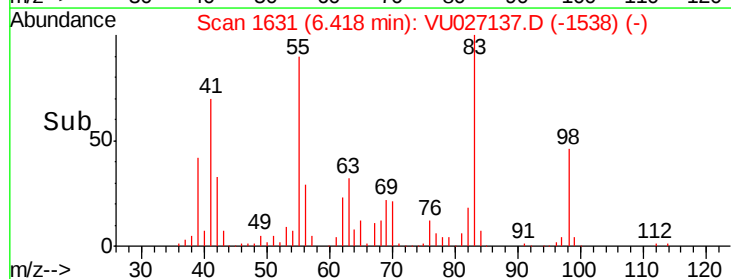
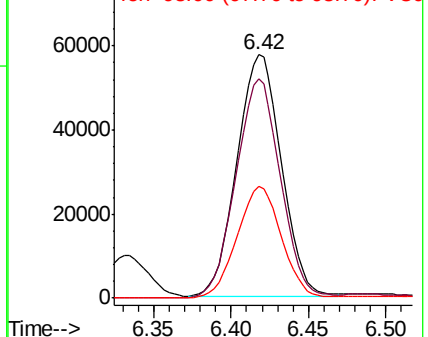
98 46.2 37.0 55.6

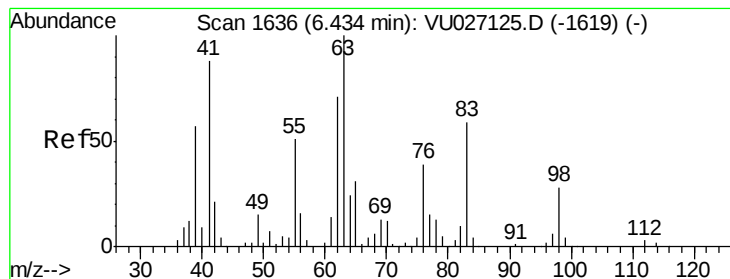


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.201 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

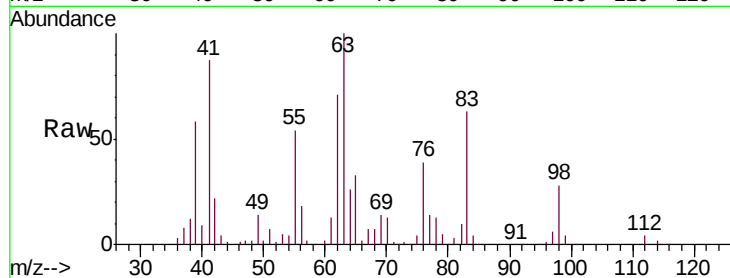
VSTD05056

Tgt Ion: 63 Resp: 90573

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3

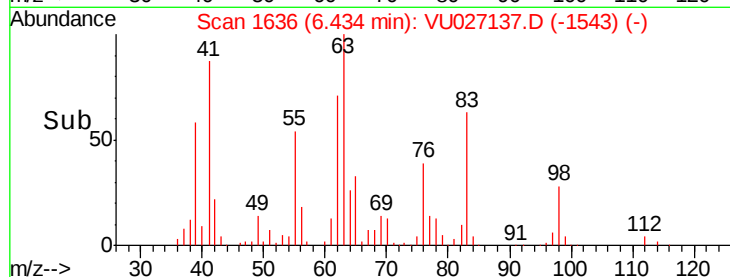


Abundance Ion 63.00 (62.70 to 63.70): VU027137.D (-1543) (-)

Ion 112.00 (111.70 to 112.70): VU027137.D (-1543) (-)

6.43

Time-->



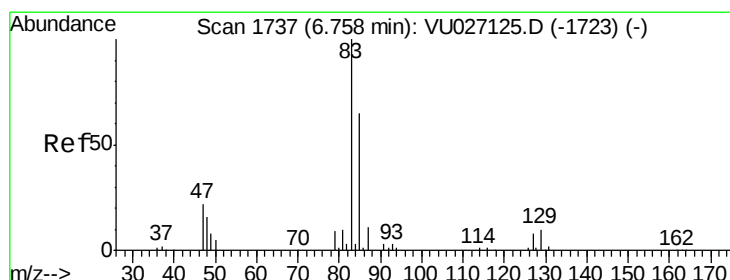
Abundance

Ion 63.00 (62.70 to 63.70): VU027137.D (-1543) (-)

Ion 112.00 (111.70 to 112.70): VU027137.D (-1543) (-)

6.43

Time-->



#38

Bromodichloromethane

Concen: 48.789 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

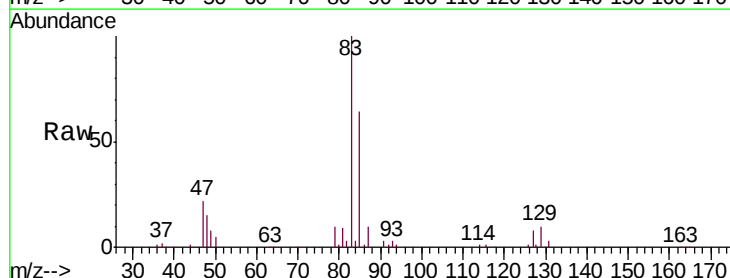
Tgt Ion: 83 Resp: 99990

Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

127 7.8 6.6 9.8



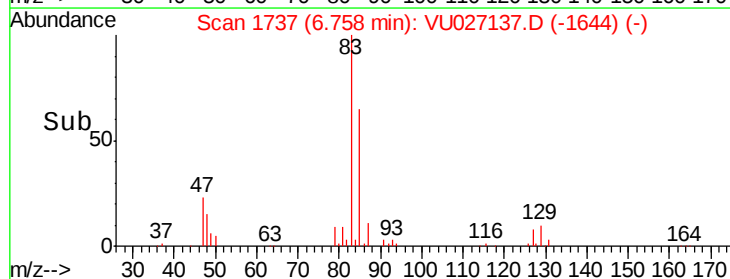
Abundance Ion 83.00 (82.70 to 83.70): VU027137.D (-1644) (-)

Ion 85.00 (84.70 to 85.70): VU027137.D (-1644) (-)

Ion 127.00 (126.70 to 127.70): VU027137.D (-1644) (-)

6.76

Time-->



Abundance

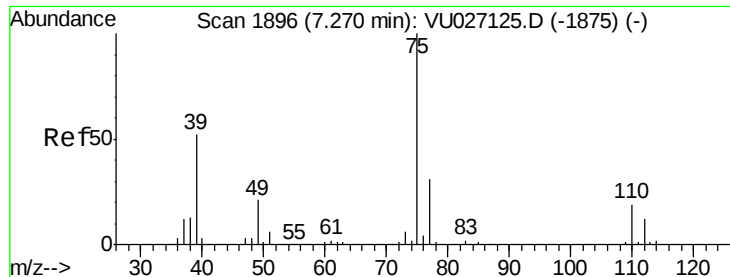
Ion 83.00 (82.70 to 83.70): VU027137.D (-1644) (-)

Ion 85.00 (84.70 to 85.70): VU027137.D (-1644) (-)

Ion 127.00 (126.70 to 127.70): VU027137.D (-1644) (-)

6.76

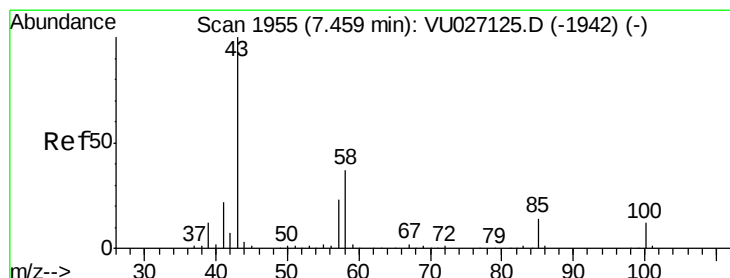
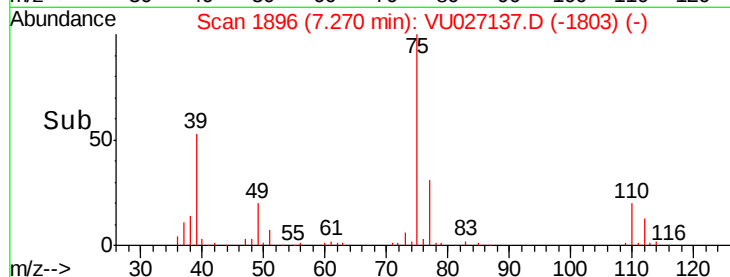
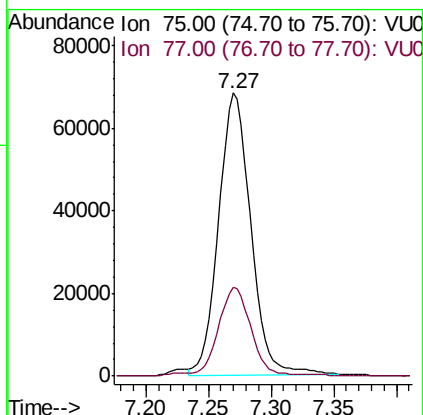
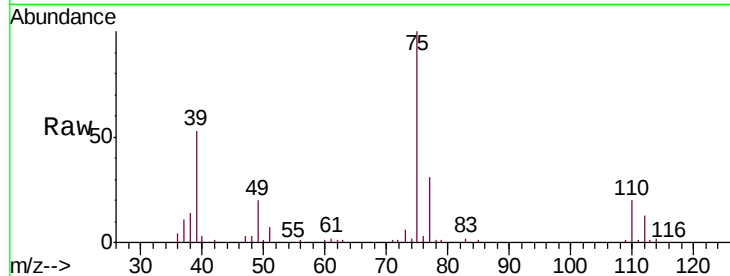
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 50.043 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027137.D
 Acq: 25 Sep 2018 18:26

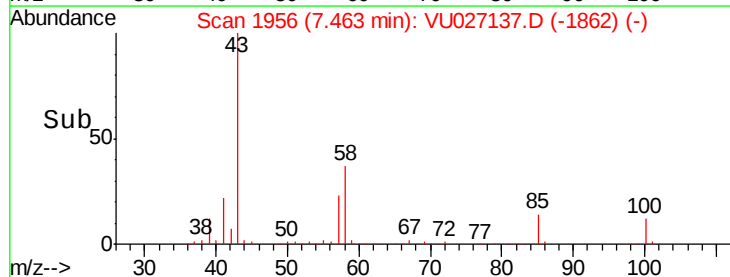
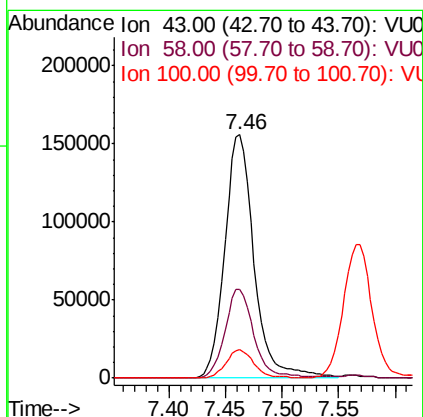
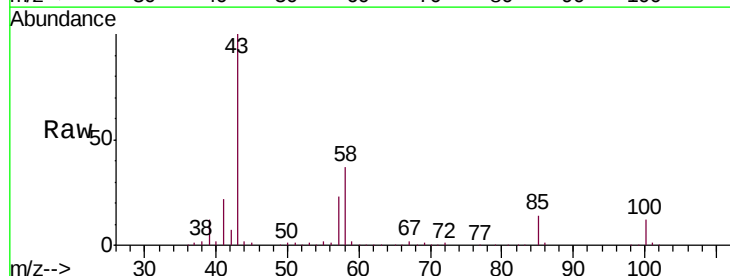
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

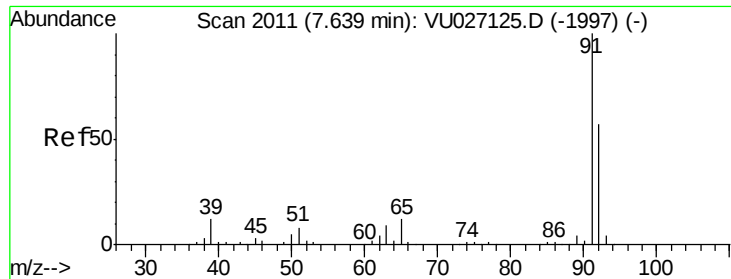
Tgt Ion: 75 Resp: 121500
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 106.275 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU027137.D
 Acq: 25 Sep 2018 18:26

Tgt Ion: 43 Resp: 281291
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.0 43.6
 100 11.4 9.4 14.0





#42

Toluene

Concen: 51.471 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

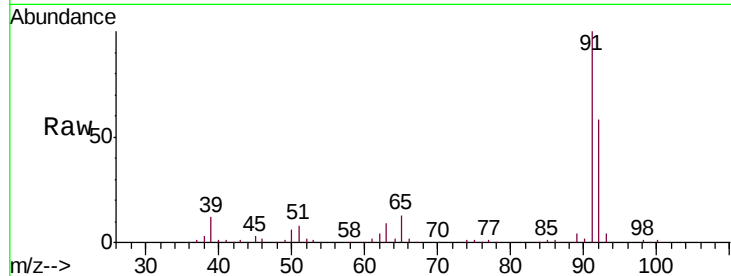
VSTD05056

Tgt Ion: 91 Resp: 298677

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU027125.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU027125.D (-1997) (-)

7.64

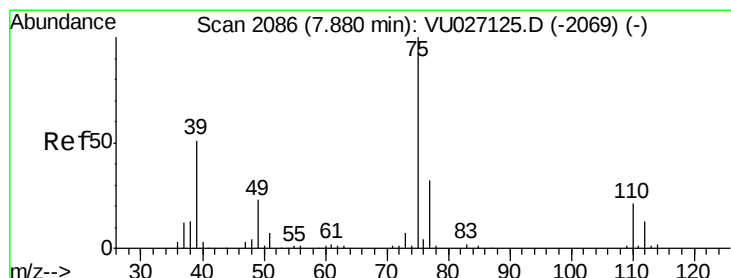
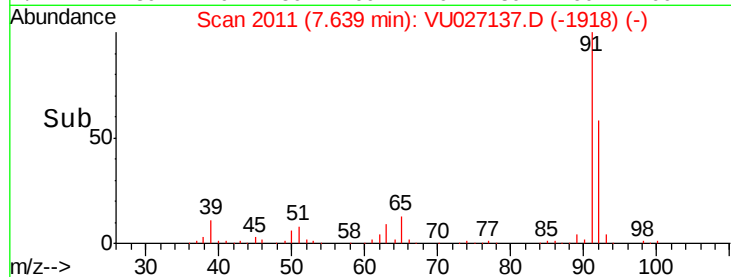
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.844 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027137.D

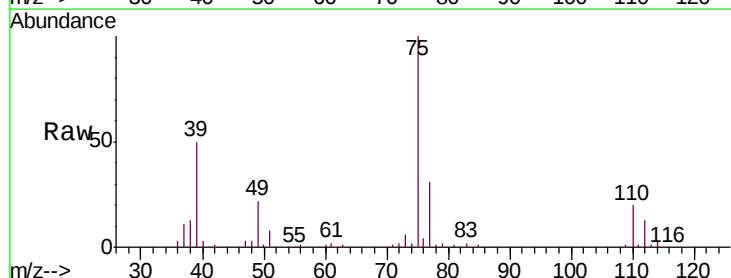
Acq: 25 Sep 2018 18:26

Tgt Ion: 75 Resp: 119299

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU027125.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU027125.D (-2069) (-)

80000

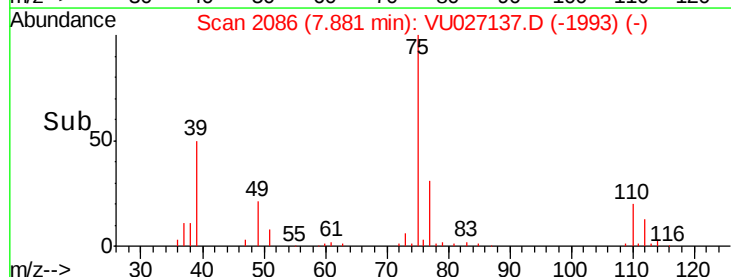
60000

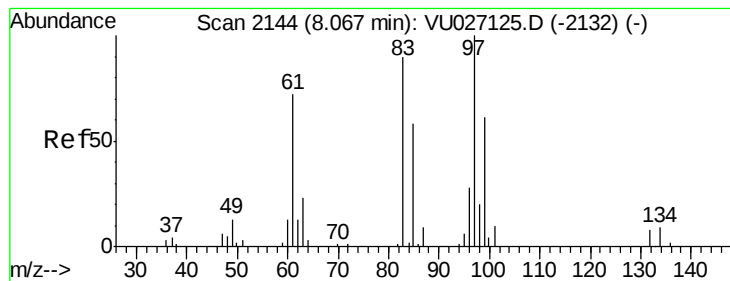
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 49.676 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion: 97 Resp: 71010

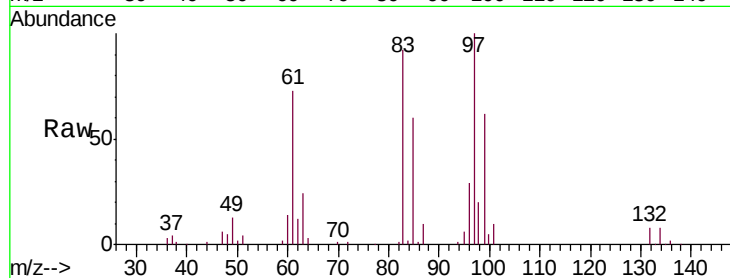
Ion Ratio Lower Upper

97 100

99 62.2 42.8 79.4

83 92.1 63.2 117.4

85 59.8 40.9 75.9

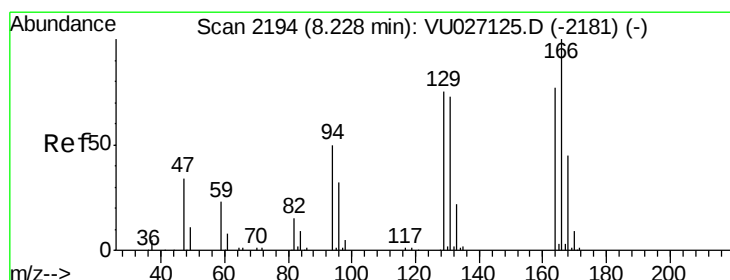
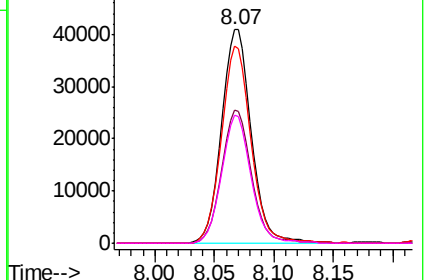
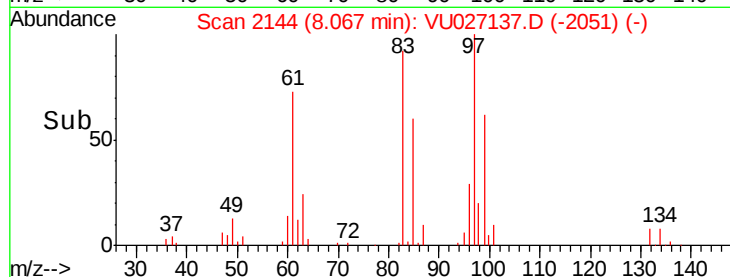


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 49.783 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Tgt Ion: 164 Resp: 49004

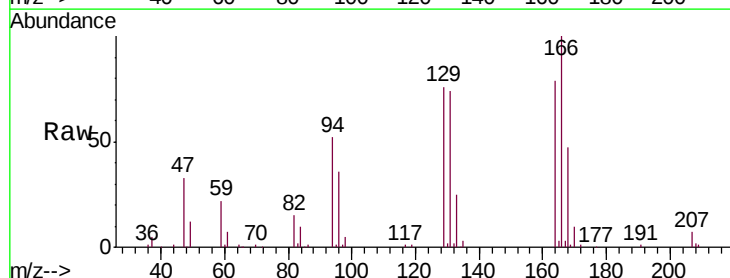
Ion Ratio Lower Upper

164 100

129 96.6 67.8 125.8

131 93.4 66.4 123.2

166 126.8 90.4 167.8

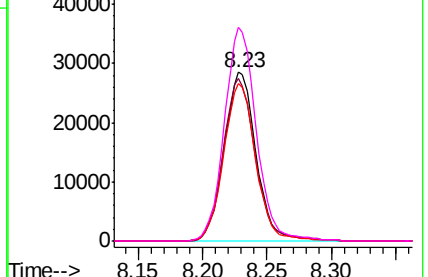
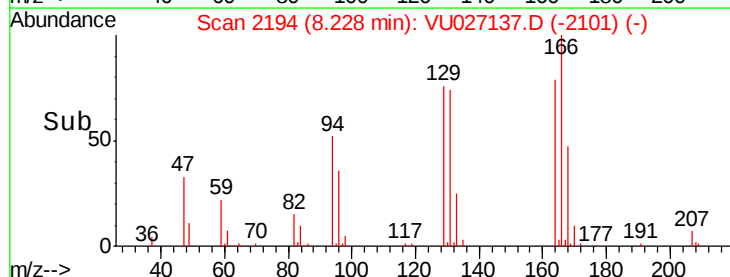


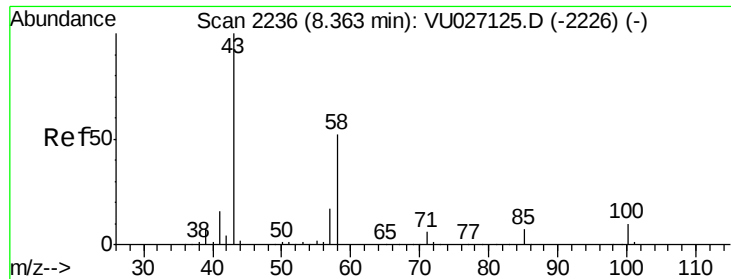
Abundance Ion 164.00 (163.70 to 164.70): V

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

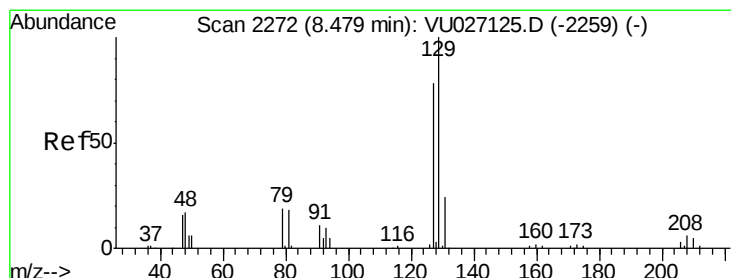
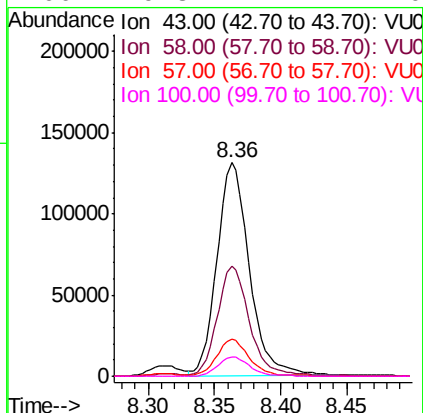
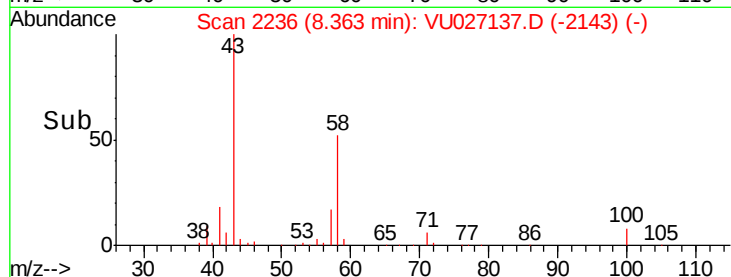
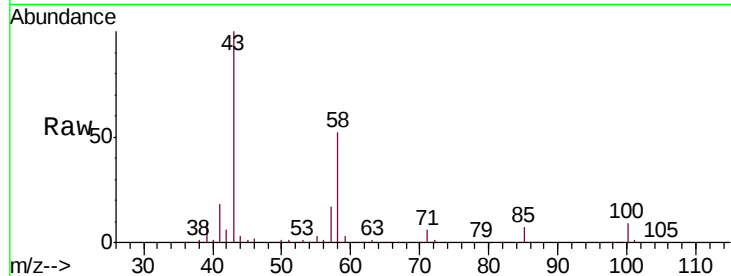




#48
2-Hexanone
Concen: 103.018 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

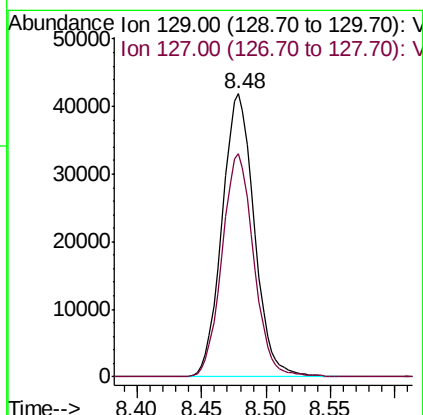
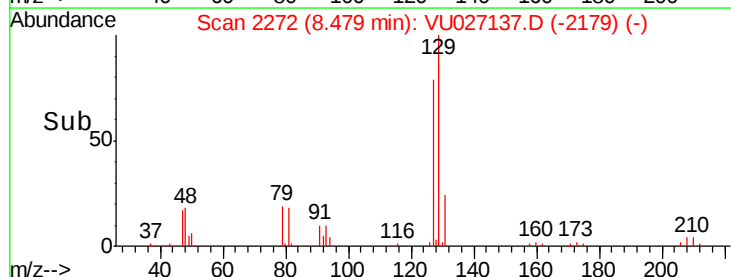
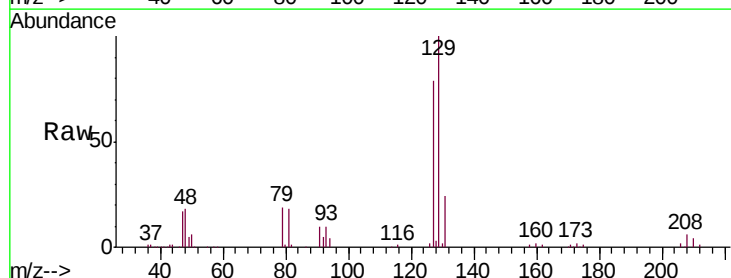
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

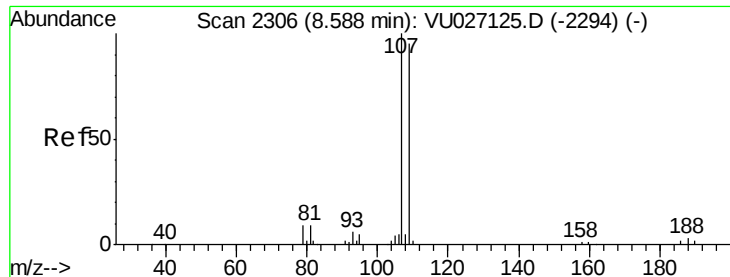
Tgt Ion: 43 Resp: 222499
Ion Ratio Lower Upper
43 100
58 51.2 41.9 62.9
57 17.9 13.8 20.8
100 9.3 7.4 11.0



#49
Dibromochloromethane
Concen: 49.876 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

Tgt Ion: 129 Resp: 72743
Ion Ratio Lower Upper
129 100
127 79.0 54.7 101.5

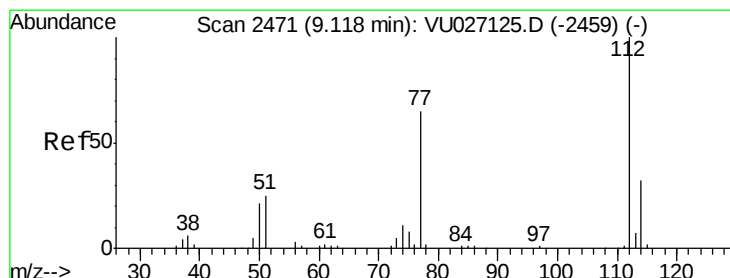
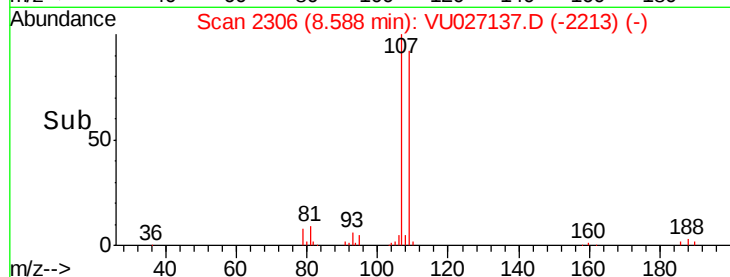
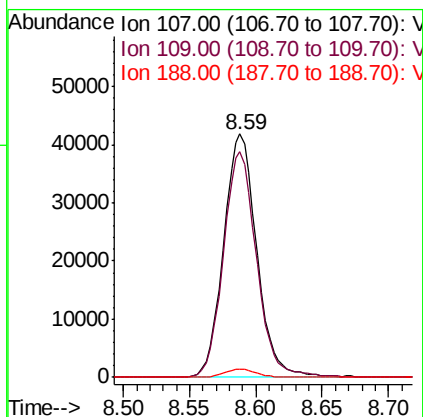
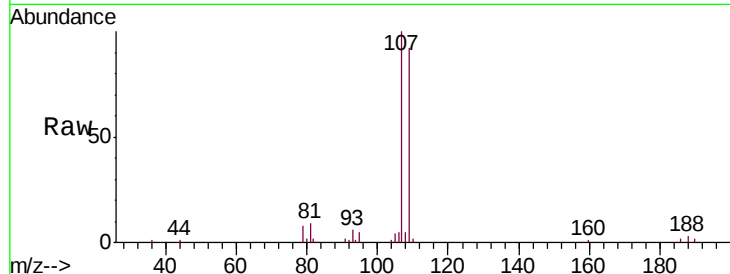




#50
1,2-Dibromoethane
Concen: 49.490 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

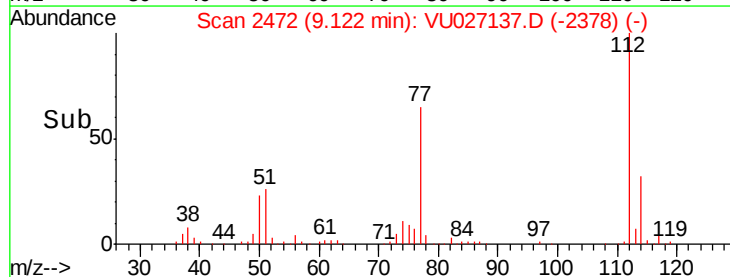
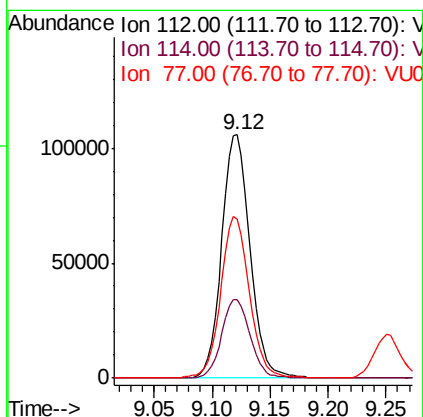
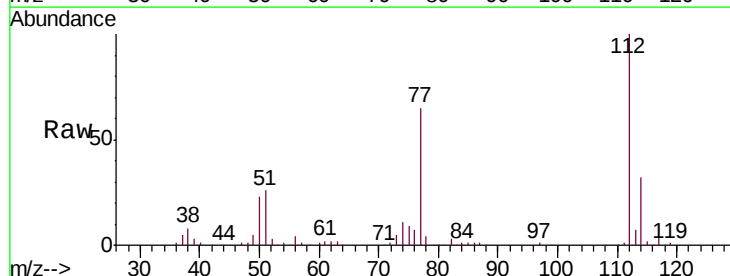
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

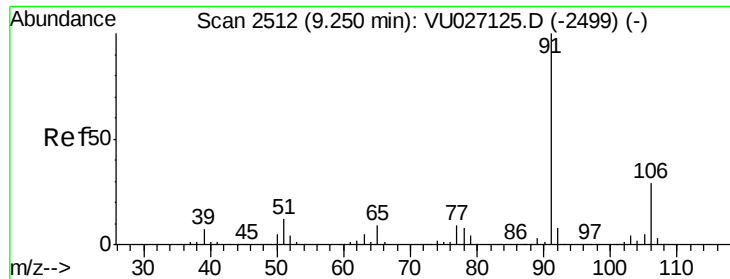
Tgt Ion:107 Resp: 72653
Ion Ratio Lower Upper
107 100
109 92.4 66.8 124.0
188 3.2 2.7 4.1



#51
Chlorobenzene
Concen: 48.738 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

Tgt Ion:112 Resp: 178902
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 65.2 52.9 79.3





#52

Ethylbenzene

Concen: 50.939 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

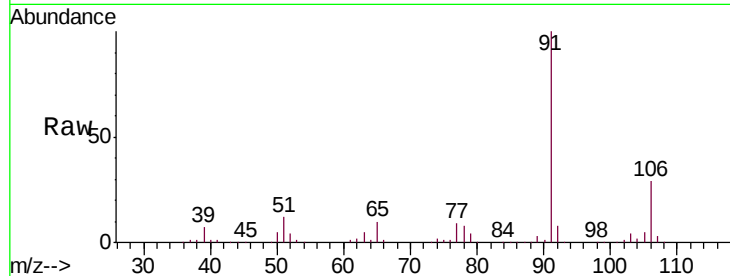
VSTD05056

Tgt Ion: 91 Resp: 322766

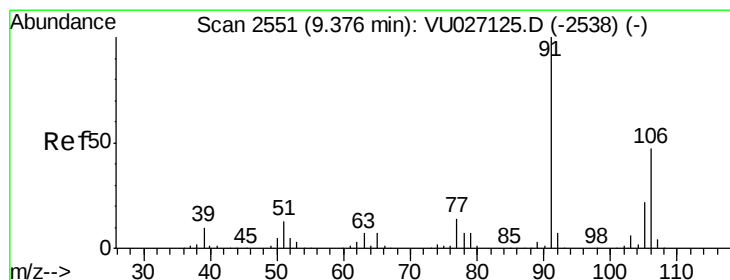
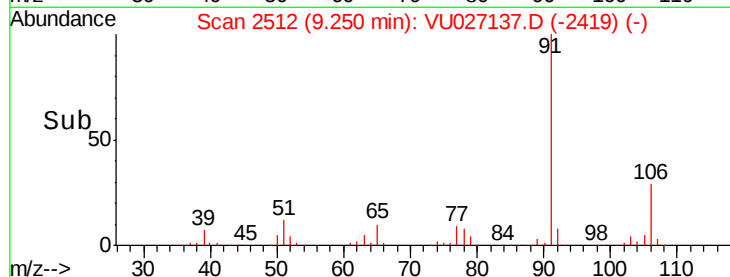
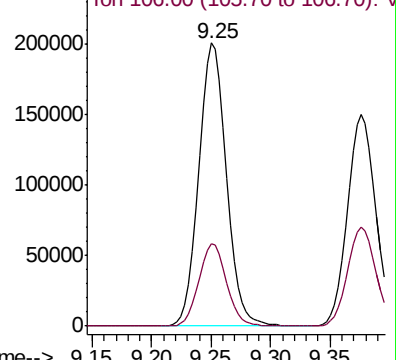
Ion Ratio Lower Upper

91 100

106 29.0 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): VU027125.D (-2499) (-)



#53

m,p-Xylene

Concen: 51.990 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027137.D

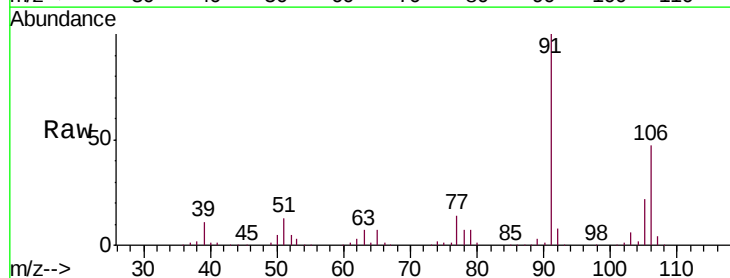
Acq: 25 Sep 2018 18:26

Tgt Ion: 106 Resp: 117287

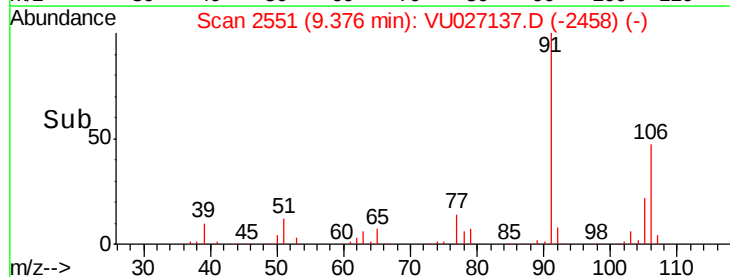
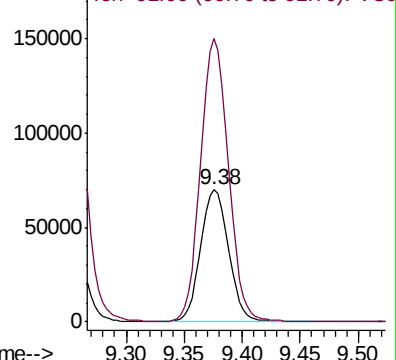
Ion Ratio Lower Upper

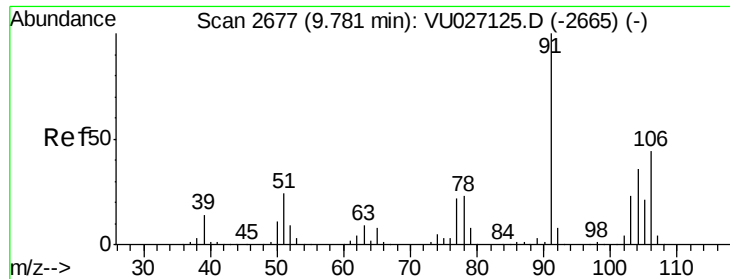
106 100

91 214.0 149.4 277.5



Abundance Ion 106.00 (105.70 to 106.70): VU027125.D (-2538) (-)

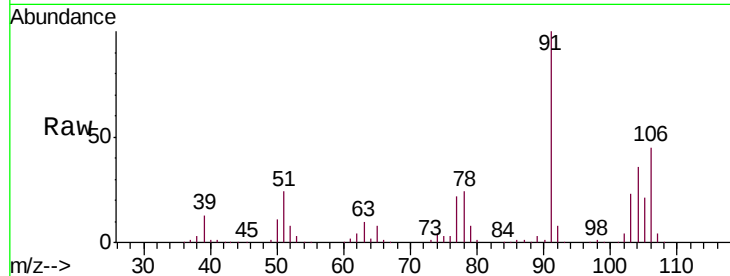




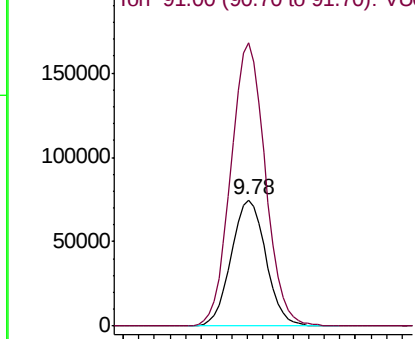
#54
o-xylene
Concen: 52.650 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

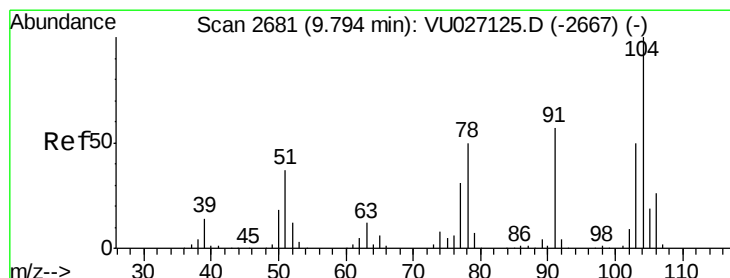
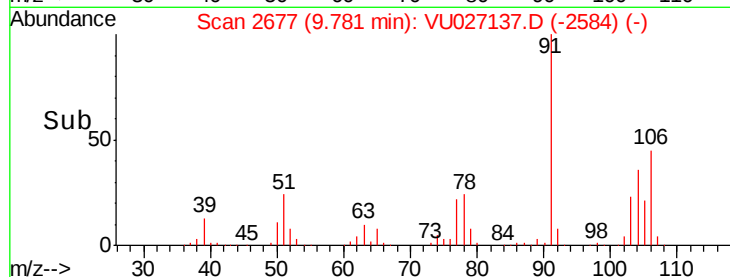
Tgt Ion:106 Resp: 116350
Ion Ratio Lower Upper
106 100
91 224.1 159.4 296.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

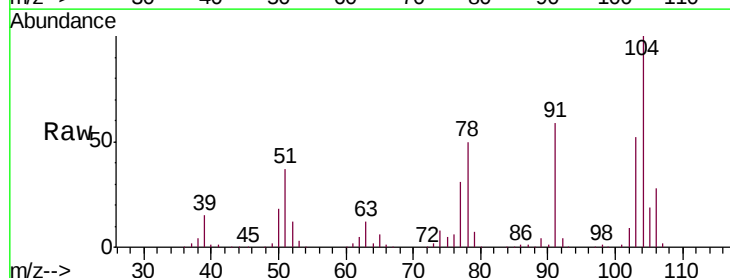


Time--> 9.70 9.75 9.80 9.85

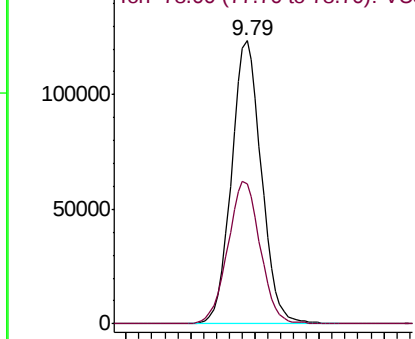


#55
Styrene
Concen: 52.442 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027137.D
Acq: 25 Sep 2018 18:26

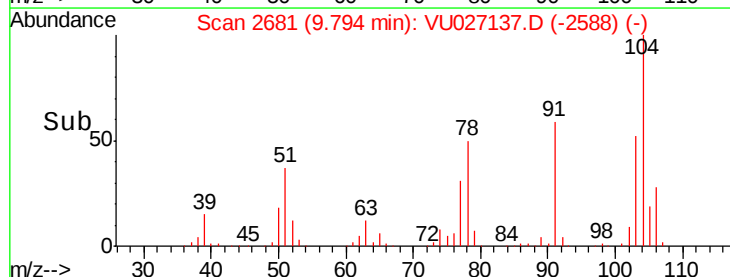
Tgt Ion:104 Resp: 198698
Ion Ratio Lower Upper
104 100
78 49.6 34.9 64.7

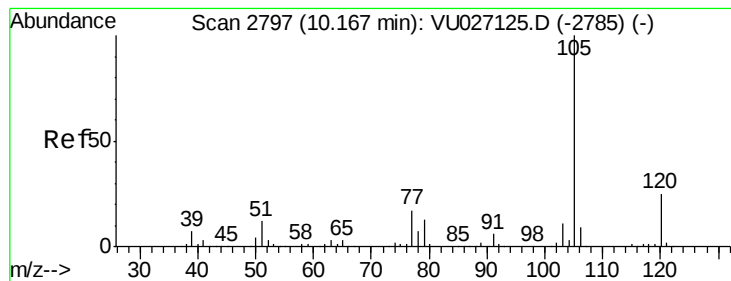


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time--> 9.70 9.75 9.80 9.85 9.90





#56

Isopropylbenzene

Concen: 52.040 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

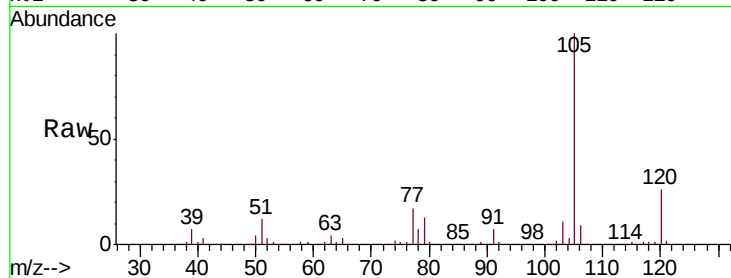
Tgt Ion: 105 Resp: 300243

Ion Ratio Lower Upper

105 100

120 25.6 20.3 30.5

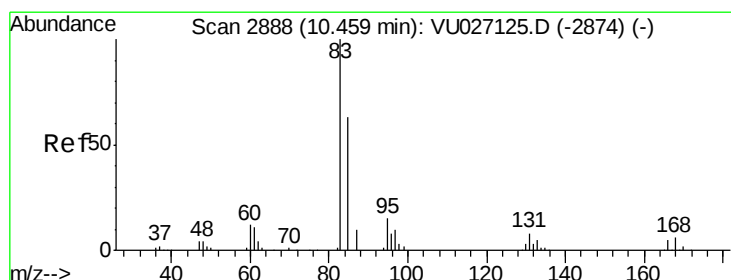
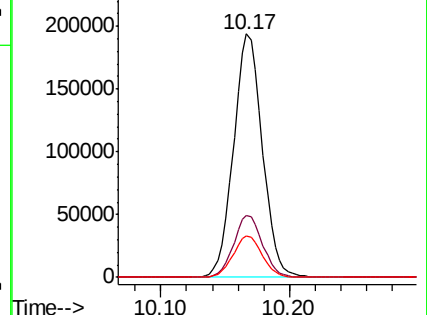
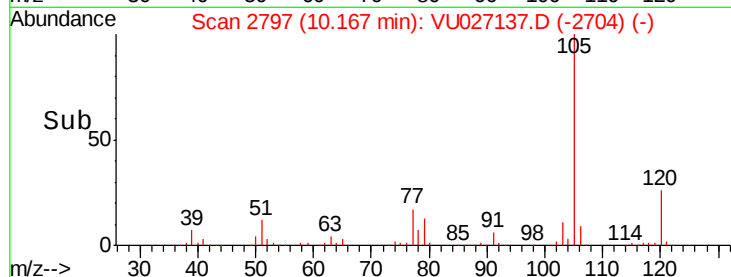
77 17.4 13.9 20.9



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: 49.249 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

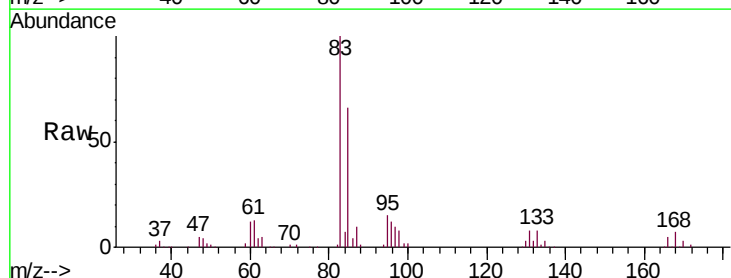
Tgt Ion: 83 Resp: 128382

Ion Ratio Lower Upper

83 100

85 66.4 44.1 81.9

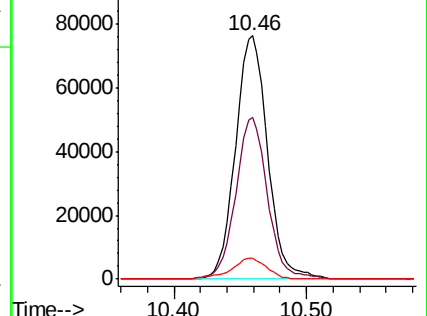
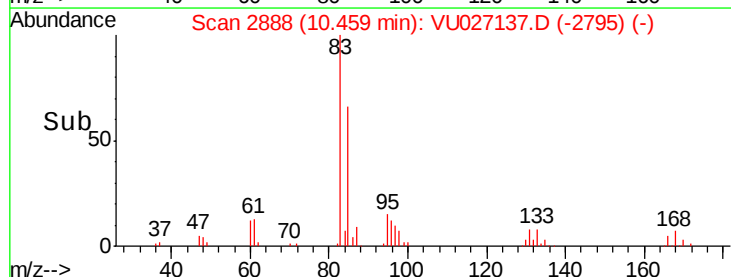
131 8.3 6.8 10.2

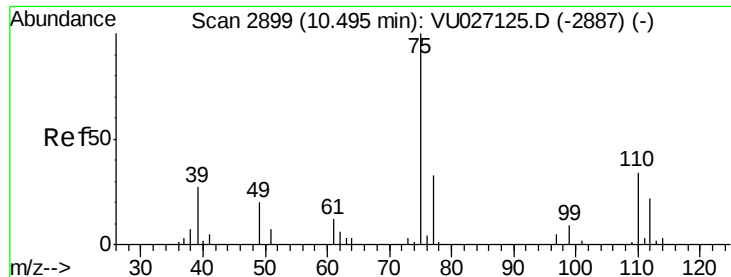


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.363 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

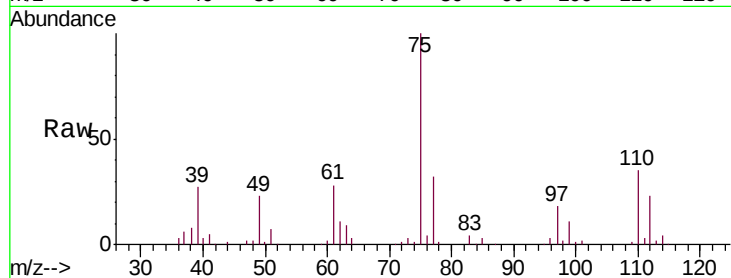
VSTD05056

Tgt Ion: 75 Resp: 103970

Ion Ratio Lower Upper

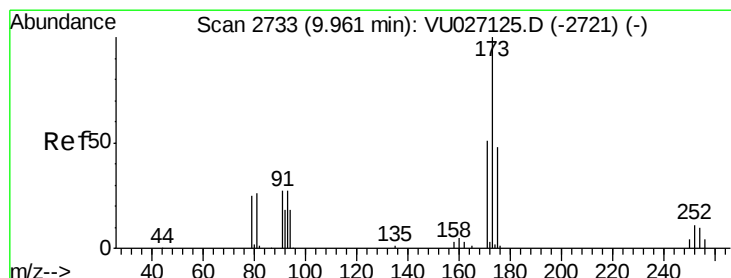
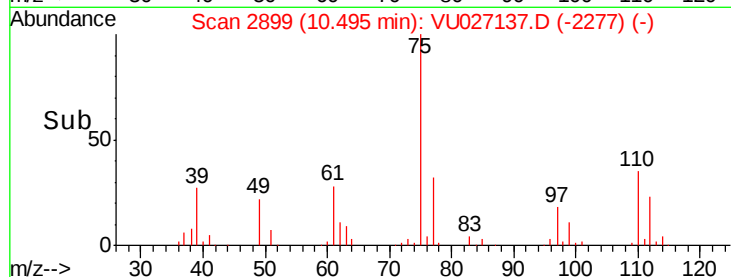
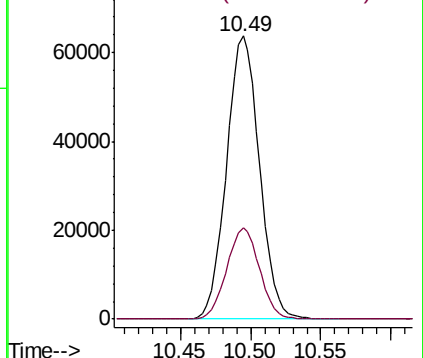
75 100

77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 48.440 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

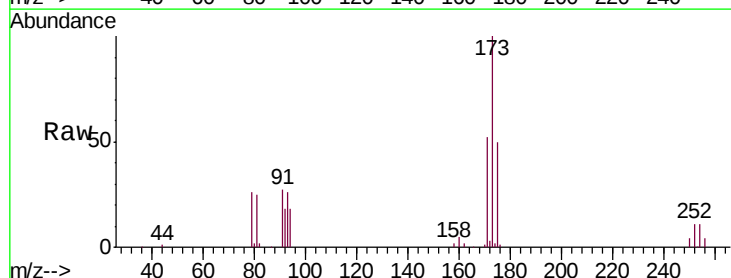
Tgt Ion: 173 Resp: 49743

Ion Ratio Lower Upper

173 100

175 48.4 38.1 57.1

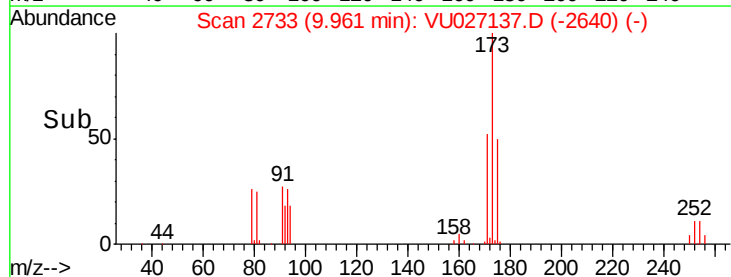
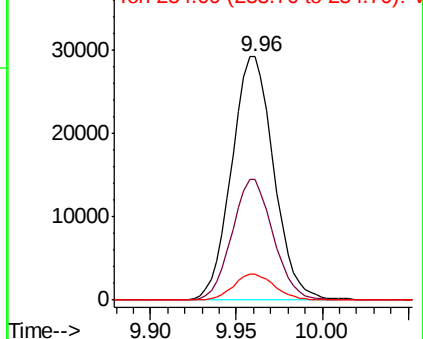
254 10.5 8.0 12.0

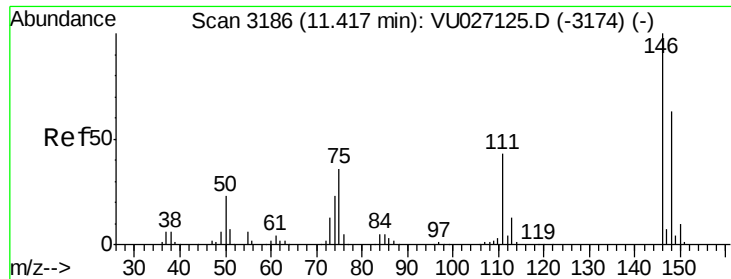


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 49.067 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

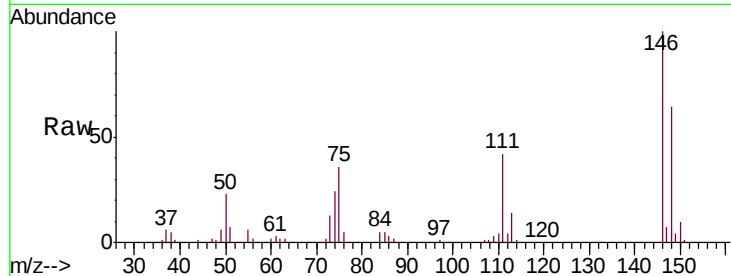
Tgt Ion:146 Resp: 121983

Ion Ratio Lower Upper

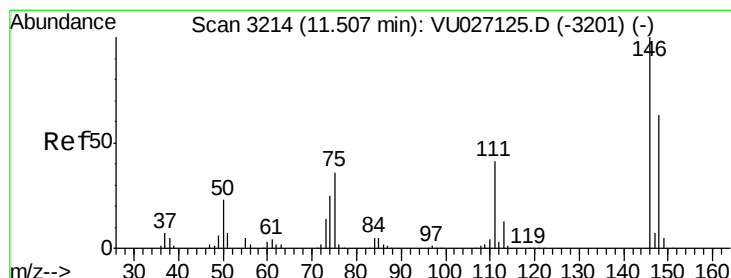
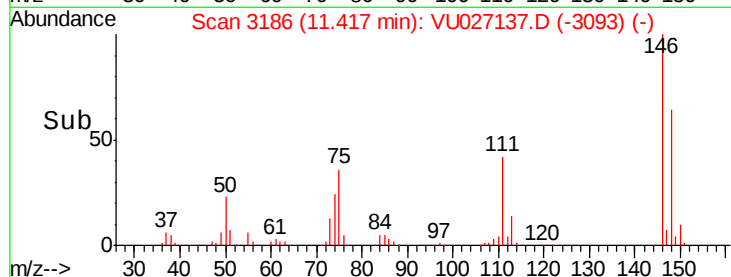
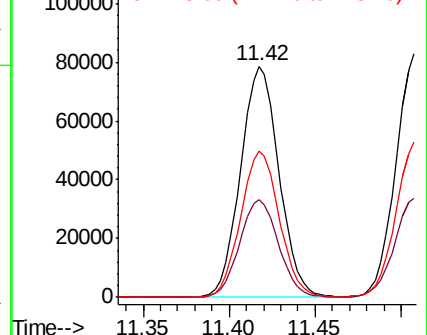
146 100

111 42.2 30.0 55.6

148 63.5 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: 48.308 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

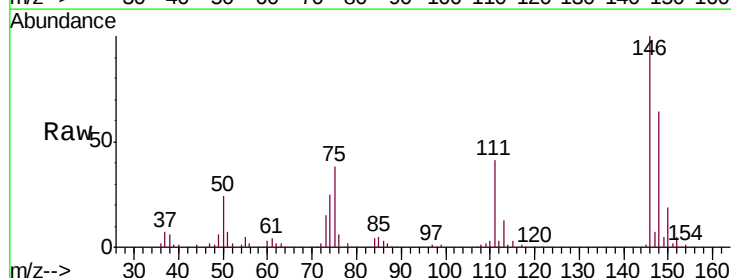
Tgt Ion:146 Resp: 127422

Ion Ratio Lower Upper

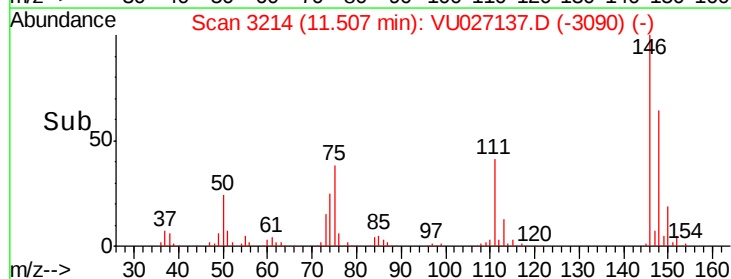
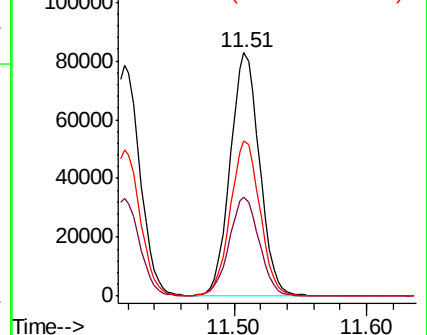
146 100

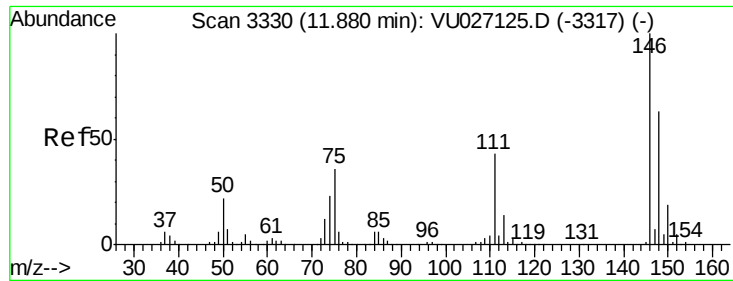
111 40.9 28.5 52.9

148 63.7 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

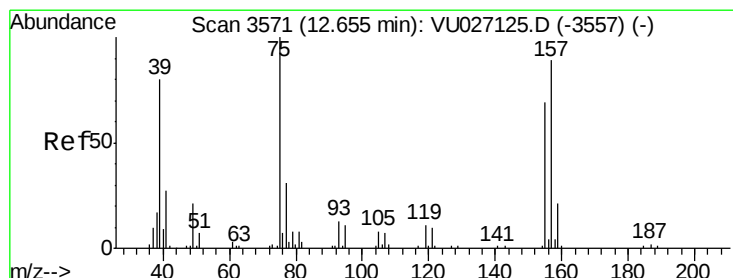
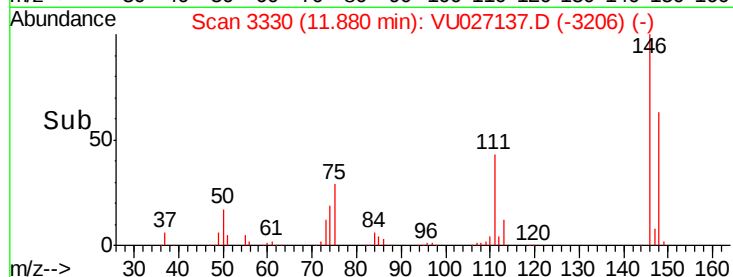
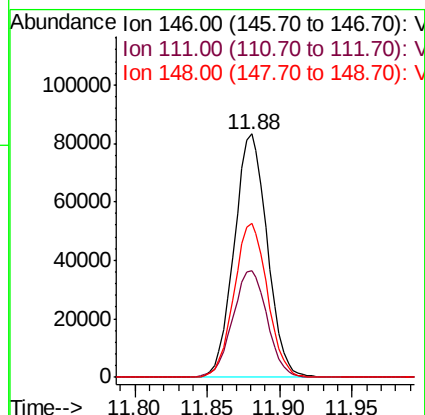
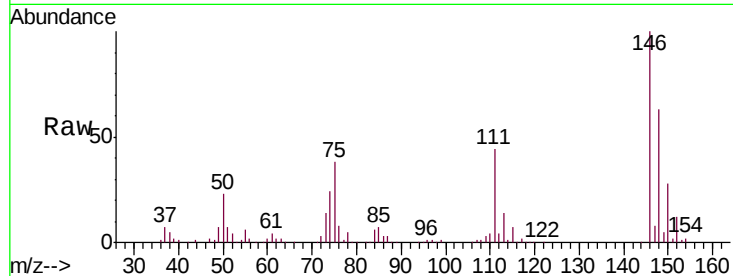




#65
 1,2-Dichlorobenzene
 Concen: 49.085 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027137.D
 Acq: 25 Sep 2018 18:26

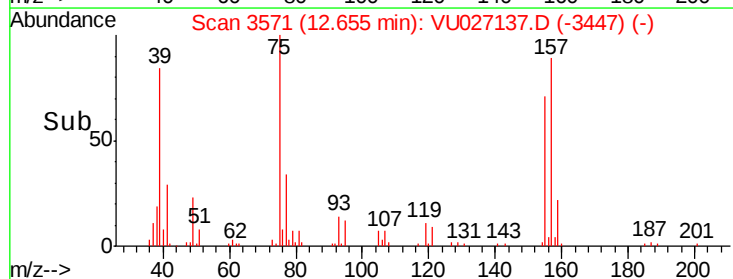
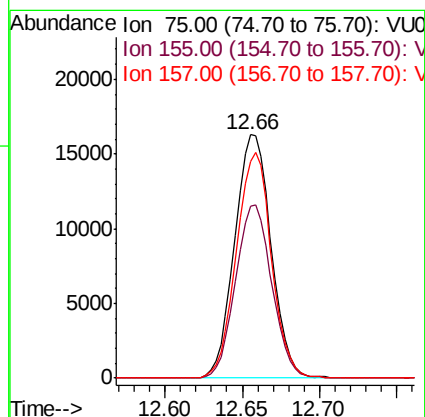
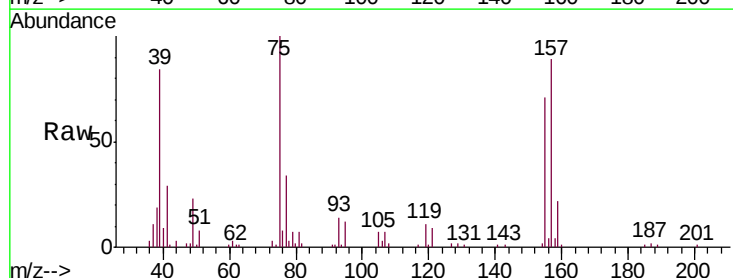
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

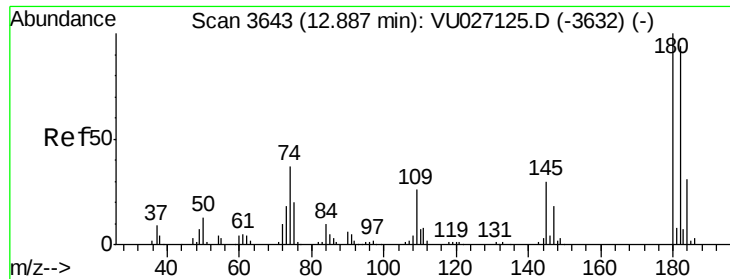
Tgt Ion: 146 Resp: 131797
 Ion Ratio Lower Upper
 146 100
 111 43.9 34.3 51.5
 148 63.1 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.836 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027137.D
 Acq: 25 Sep 2018 18:26

Tgt Ion: 75 Resp: 26610
 Ion Ratio Lower Upper
 75 100
 155 70.7 54.9 82.3
 157 89.2 70.9 106.3

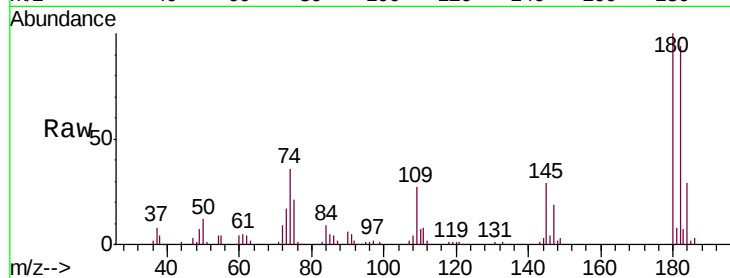




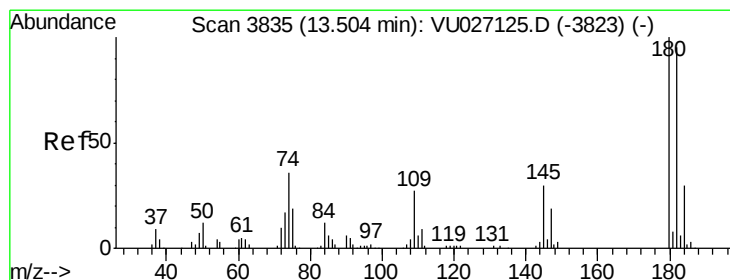
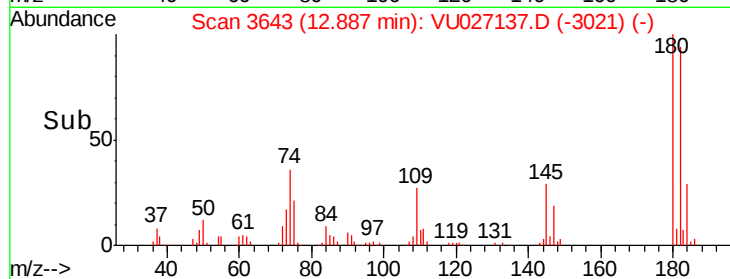
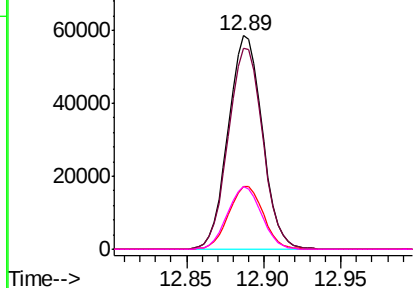
#67
 1,3,5-Trichlorobenzene
 Concen: 49.228 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027137.D
 Acq: 25 Sep 2018 18:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion:180 Resp: 89337
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.3 114.5
 184 29.8 24.6 37.0
 145 29.2 23.6 35.4

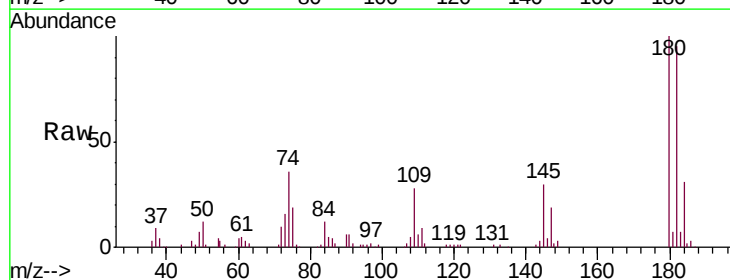


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

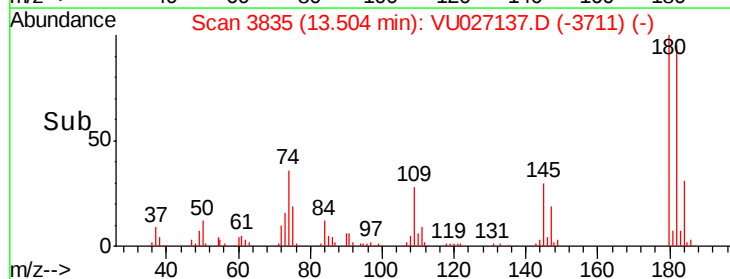
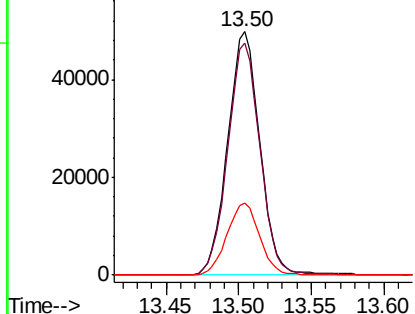


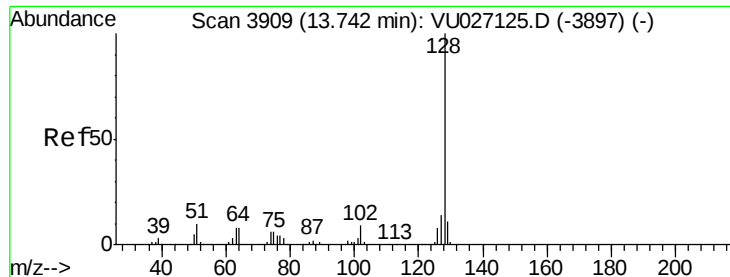
#68
 1,2,4-trichlorobenzene
 Concen: 49.643 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027137.D
 Acq: 25 Sep 2018 18:26

Tgt Ion:180 Resp: 76643
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.4 114.6
 145 30.2 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: 53.560 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

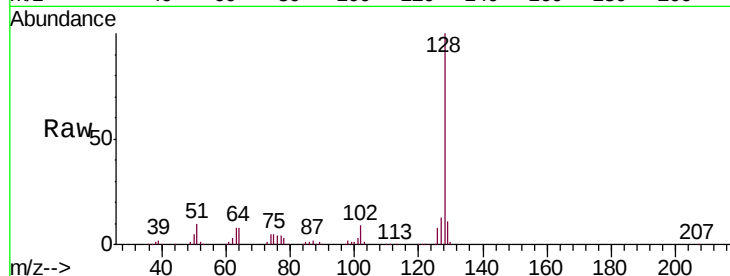
Tgt Ion:128 Resp: 280778

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

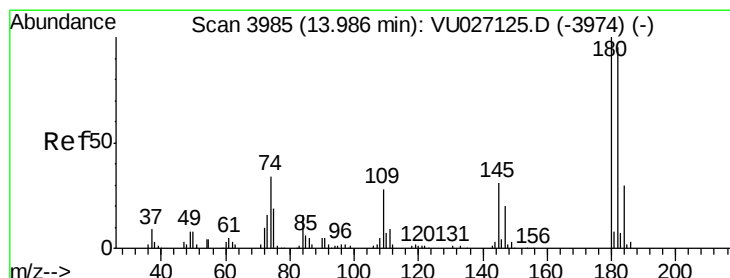
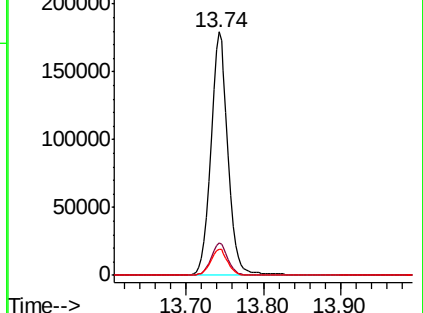
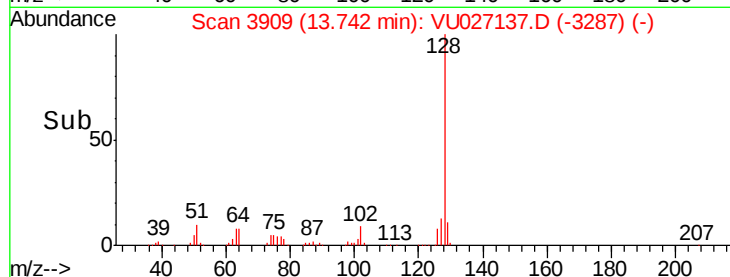
129 10.8 8.6 13.0



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: 50.760 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027137.D

Acq: 25 Sep 2018 18:26

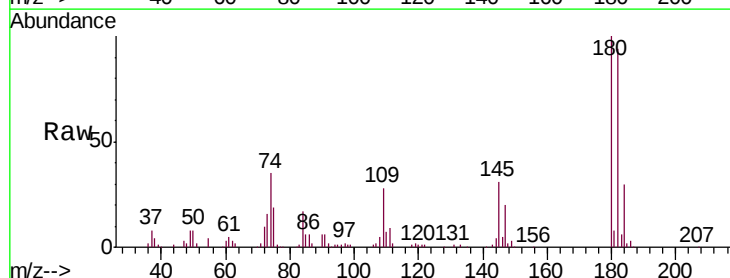
Tgt Ion:180 Resp: 86093

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.4

145 31.5 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

