

Data File : VU027125.D
Acq On : 25 Sep 2018 11:35
Operator : MD/SY
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Quant Time: Sep 26 01:44:16 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	178106	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	170825	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	79232	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80979	51.11	ug/L	0.00
7) Chloroethane-d5	1.68	69	64124	51.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	151293	50.20	ug/L	0.00
21) 2-Butanone-d5	4.18	46	133678	103.76	ug/L	0.00
24) Chloroform-d	4.65	84	124750	49.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	92929	51.53	ug/L	0.00
32) Benzene-d6	5.34	84	269113	53.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	94181	52.28	ug/L	0.00
41) Toluene-d8	7.57	98	240868	53.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	42033	52.24	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	92920	106.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	123791	51.30	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	80894	49.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	85508	49.160	ug/L	100
3) Chloromethane	1.33	50	106886	48.349	ug/L	100
5) Vinyl chloride	1.40	62	99686	48.043	ug/L	100
6) Bromomethane	1.62	94	39749	44.964	ug/L	100
8) Chloroethane	1.70	64	59758	49.439	ug/L	100
9) Trichlorofluoromethane	1.89	101	107875	48.814	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	61128	48.189	ug/L	100
12) 1,1-Dichloroethene	2.29	96	56177	47.814	ug/L	100
13) Acetone	2.32	43	118835	99.876	ug/L	100
14) Carbon disulfide	2.48	76	191354	46.795	ug/L	100
15) Methyl Acetate	2.61	43	103763	47.997	ug/L	100
16) Methylene chloride	2.70	84	72321	47.907	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	60530	47.256	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	217317	48.692	ug/L	100
19) 1,1-Dichloroethane	3.45	63	142226	48.315	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	70176	48.680	ug/L	100
22) 2-Butanone	4.26	43	154277	99.402	ug/L	100
23) Bromochloromethane	4.55	128	33182	48.949	ug/L	100
25) Chloroform	4.67	83	141011	51.083	ug/L	100
27) 1,2-Dichloroethane	5.40	62	110931	48.432	ug/L	100
29) Cyclohexane	5.00	56	125803	50.089	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	104737	48.986	ug/L	100
31) Carbon tetrachloride	5.14	117	89314	49.305	ug/L	100
33) Benzene	5.39	78	286824	50.040	ug/L	100
34) Trichloroethene	6.19	95	64428	48.179	ug/L	100
35) Methylcyclohexane	6.42	83	112402	49.864	ug/L	100
37) 1,2-Dichloropropane	6.43	63	87456	49.754	ug/L	100
38) Bromodichloromethane	6.76	83	97176	48.669	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	120933	51.126	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	264316	102.500	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	291338	51.533	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	114124	49.923	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	69200	49.689	ug/L	100
46) Tetrachloroethene	8.23	164	47977	50.027	ug/L	100
48) 2-Hexanone	8.36	43	215482	102.405	ug/L	100
49) Dibromochloromethane	8.48	129	70104	49.336	ug/L	100
50) 1,2-Dibromoethane	8.59	107	69591	48.657	ug/L	100
51) Chlorobenzene	9.12	112	174005	48.656	ug/L	100
52) Ethylbenzene	9.25	91	311307	50.428	ug/L	100
53) m,p-Xylene	9.38	106	112671	51.263	ug/L	100
54) o-xylene	9.78	106	111334	51.711	ug/L	100
55) Styrene	9.79	104	194451	52.677	ug/L	100
56) Isopropylbenzene	10.17	105	291903	51.931	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	124009	48.828	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	99671	48.572	ug/L	100
61) Bromoform	9.96	173	48450	47.618	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	119145	48.369	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	123605	47.295	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	129465	48.663	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	25858	47.896	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	87432	48.624	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	74792	48.893	ug/L	100
69) Naphthalene	13.74	128	269106	51.809	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	83252	49.539	ug/L	100

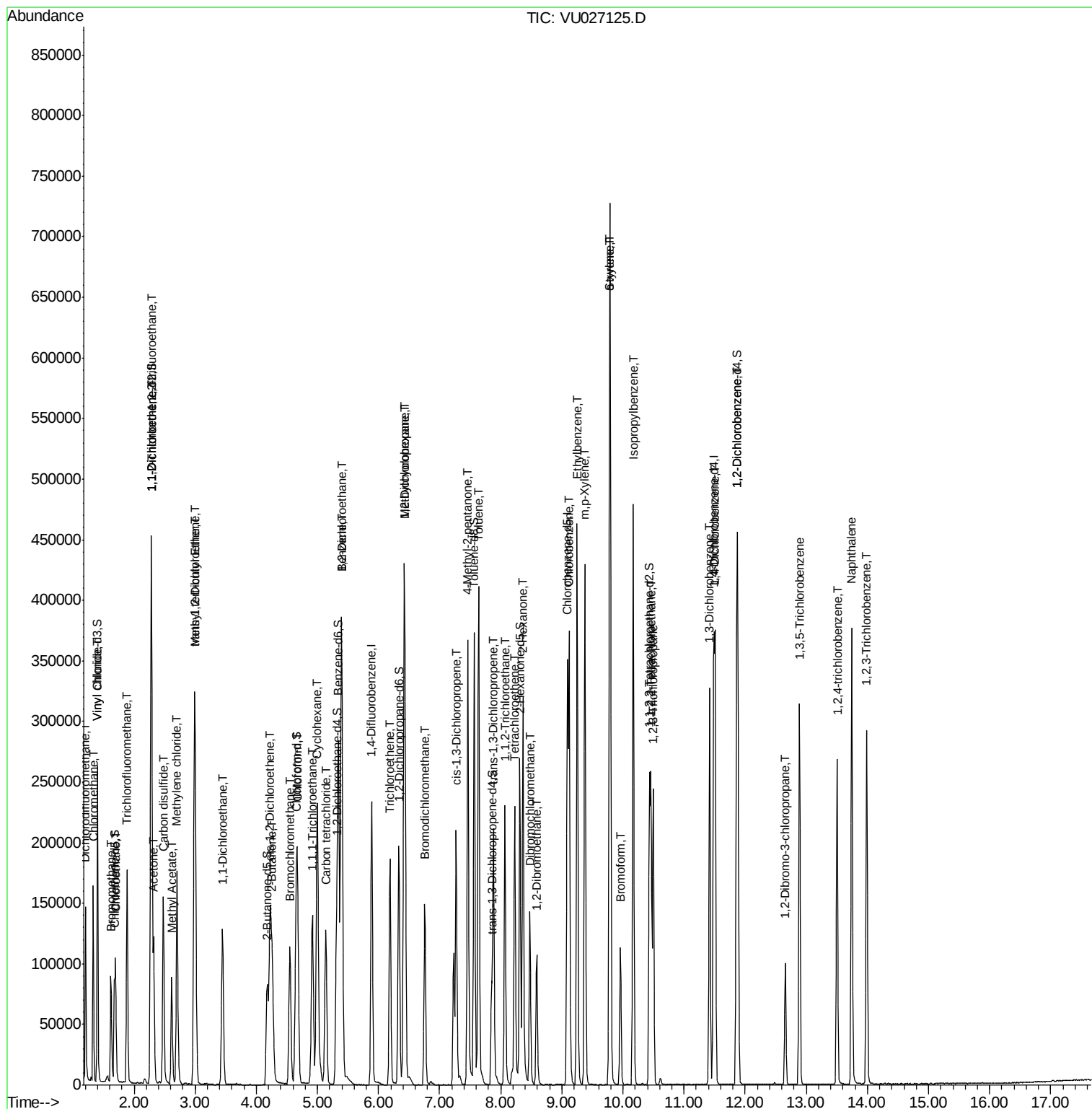
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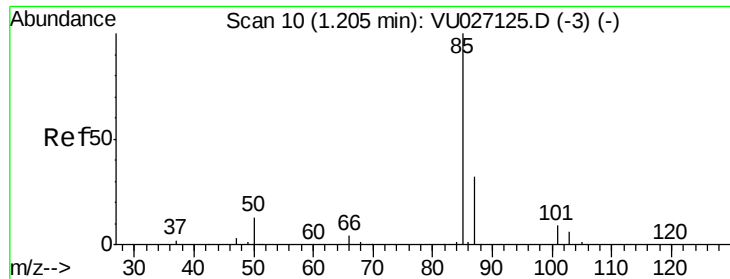
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#2

Dichlorodifluoromethane

Concen: 49.160 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

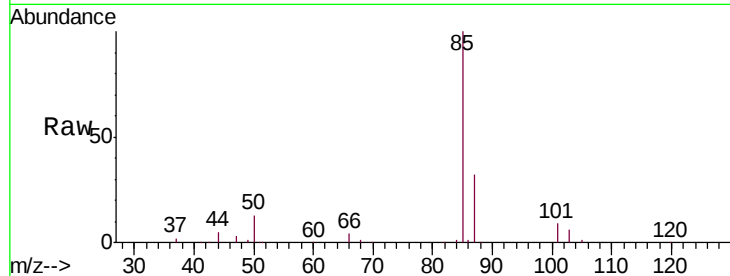
VSTD05052

Tgt Ion: 85 Resp: 85508

Ion Ratio Lower Upper

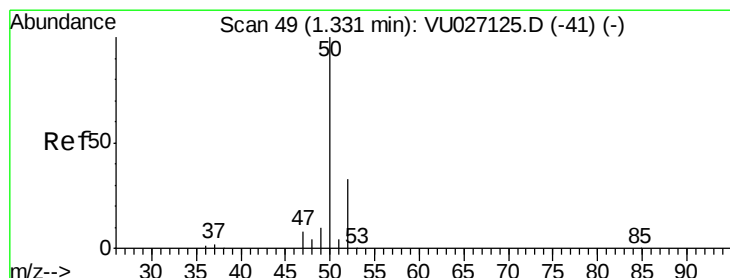
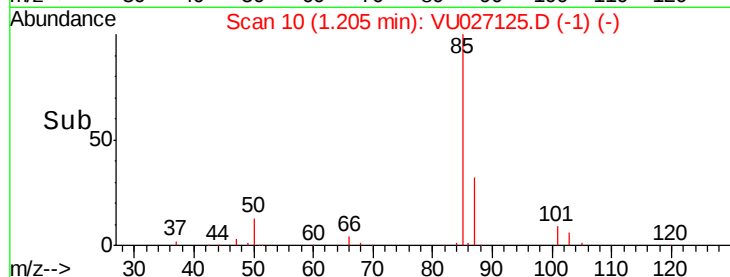
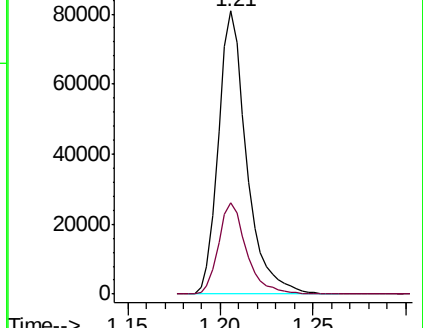
85 100

87 32.0 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: 48.349 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027125.D

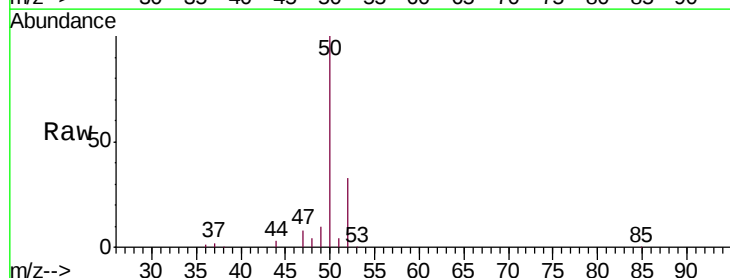
Acq: 25 Sep 2018 11:35

Tgt Ion: 50 Resp: 106886

Ion Ratio Lower Upper

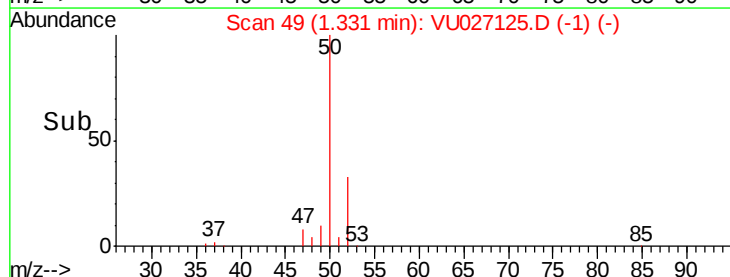
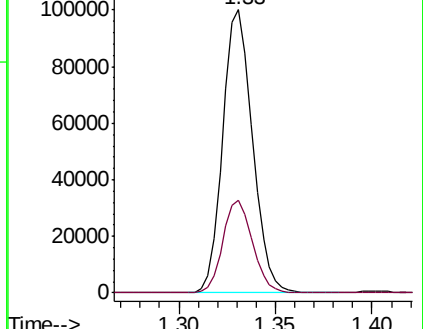
50 100

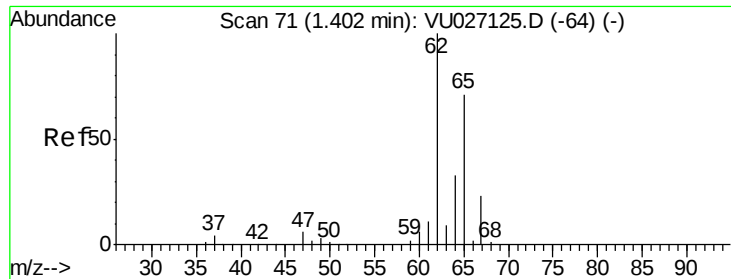
52 32.7 22.9 42.5



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: 48.043 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

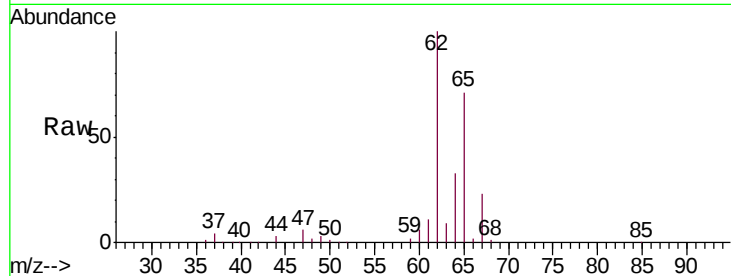
VSTD05052

Tgt Ion: 62 Resp: 99686

Ion Ratio Lower Upper

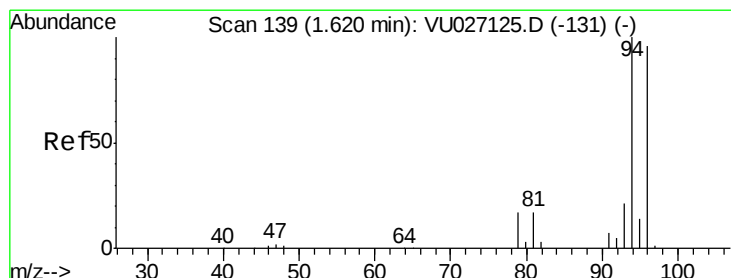
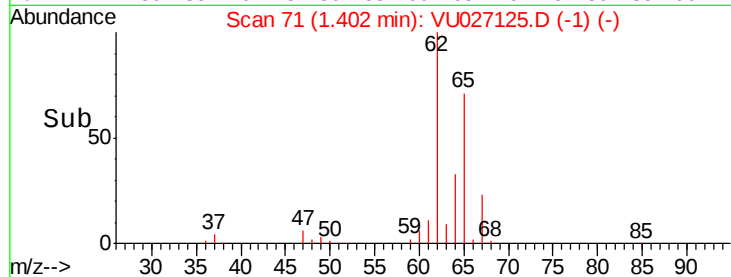
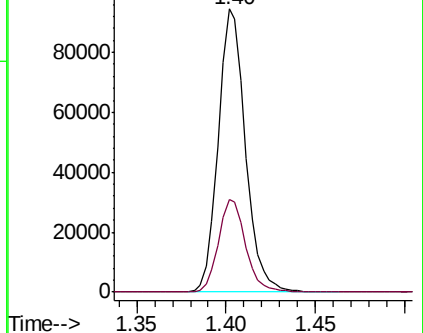
62 100

64 32.6 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: 44.964 ug/L

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU027125.D

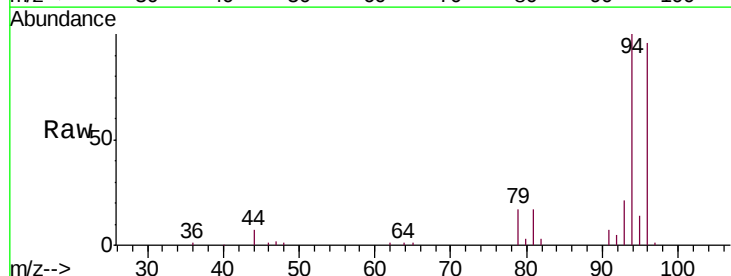
Acq: 25 Sep 2018 11:35

Tgt Ion: 94 Resp: 39749

Ion Ratio Lower Upper

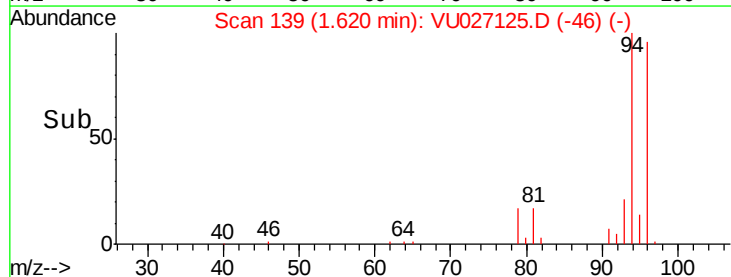
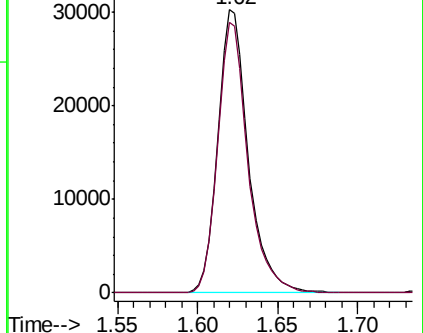
94 100

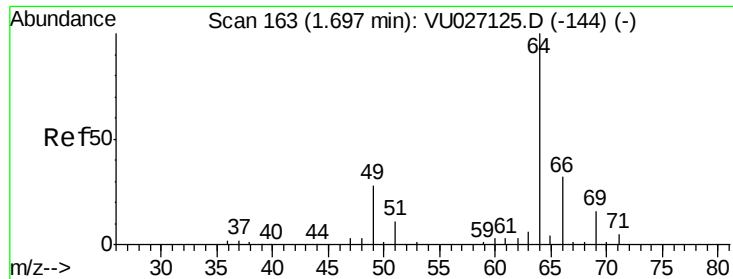
96 95.8 67.1 124.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 49.439 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

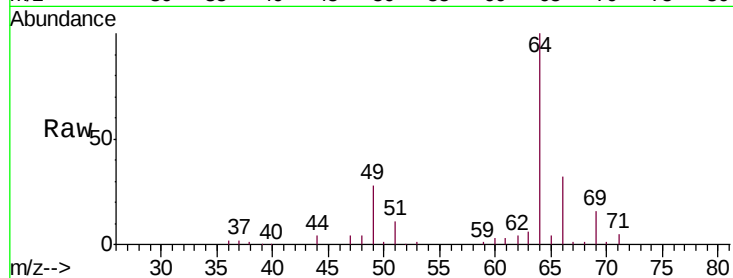
VSTD05052

Tgt Ion: 64 Resp: 59758

Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU027125.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VU027125.D (-144) (-)

1.70

40000

30000

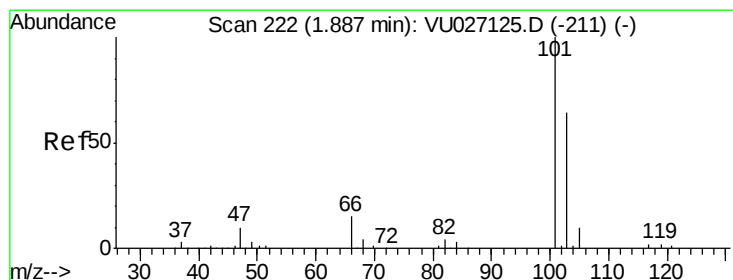
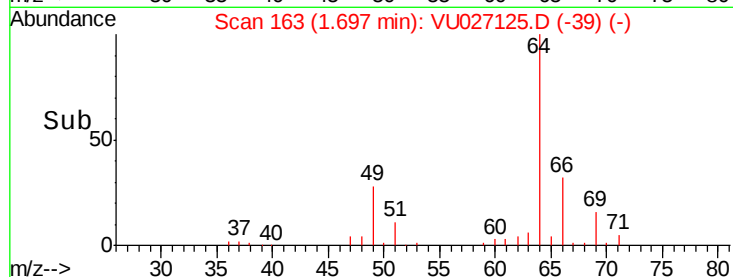
20000

10000

0

1.60 1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 48.814 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027125.D

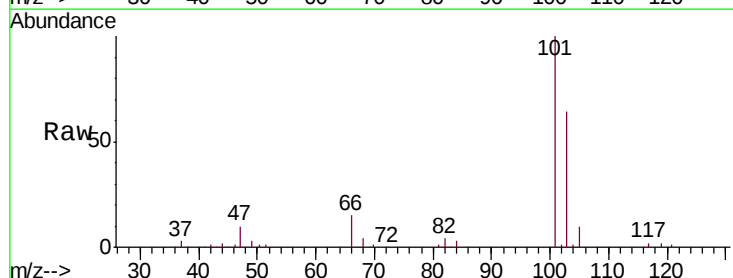
Acq: 25 Sep 2018 11:35

Tgt Ion: 101 Resp: 107875

Ion Ratio Lower Upper

101 100

103 64.0 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU027125.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU027125.D (-211) (-)

1.89

80000

60000

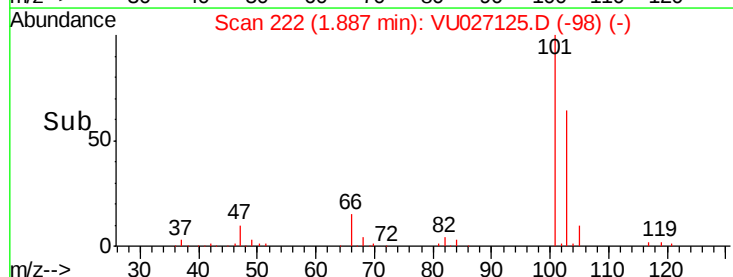
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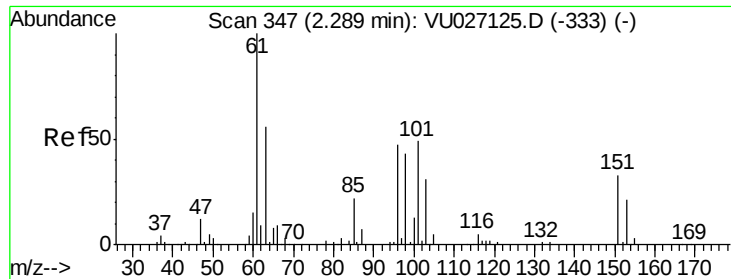
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 48.189 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

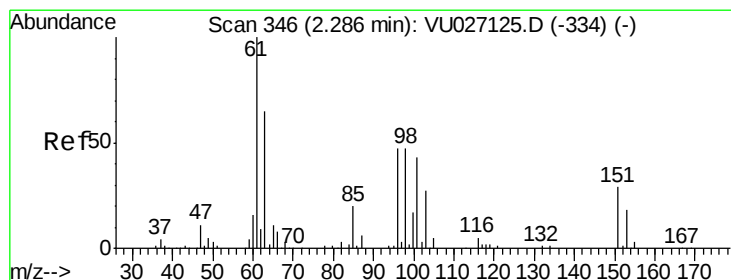
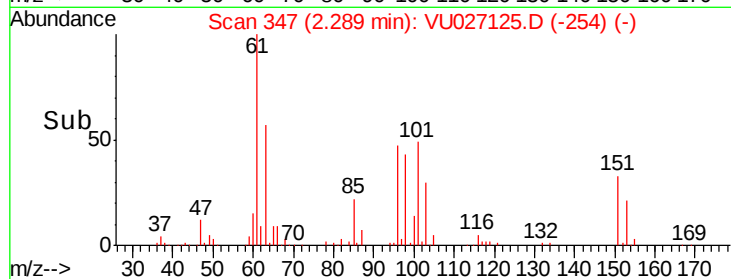
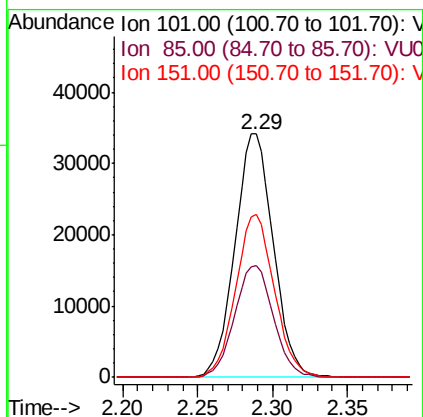
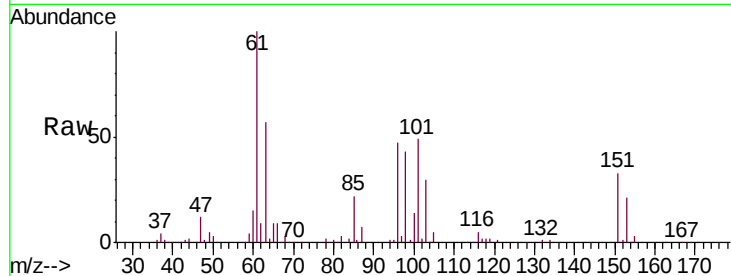
Tgt Ion:101 Resp: 61128

Ion Ratio Lower Upper

101 100

85 46.3 37.0 55.6

151 66.9 53.5 80.3



#12

1,1-Dichloroethene

Concen: 47.814 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

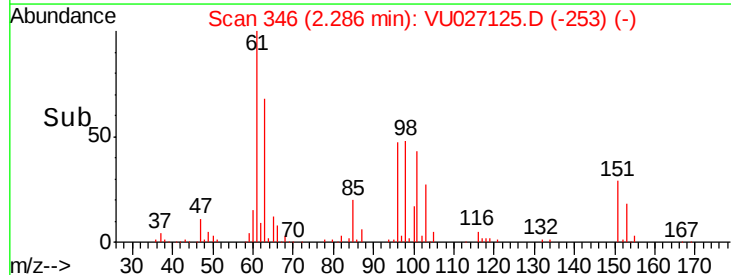
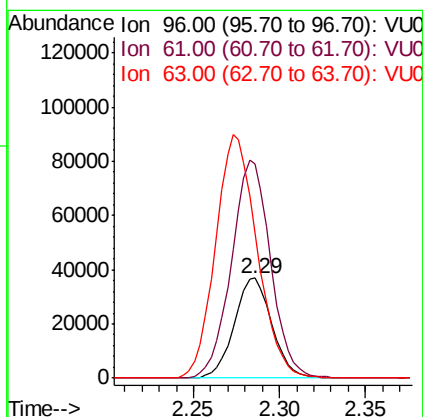
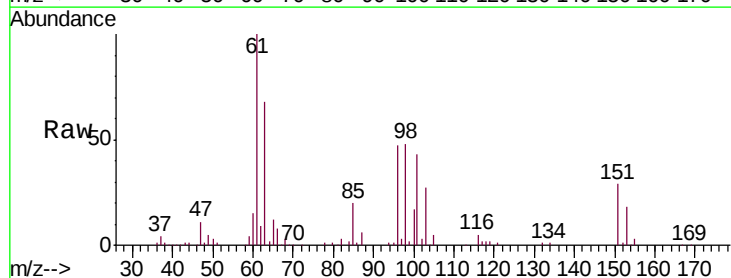
Tgt Ion: 96 Resp: 56177

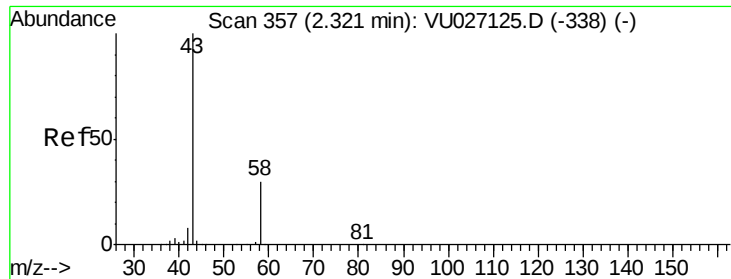
Ion Ratio Lower Upper

96 100

61 214.3 150.0 278.6

63 145.4 101.8 189.0





#13

Acetone

Concen: 99.876 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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ClientSampleId :

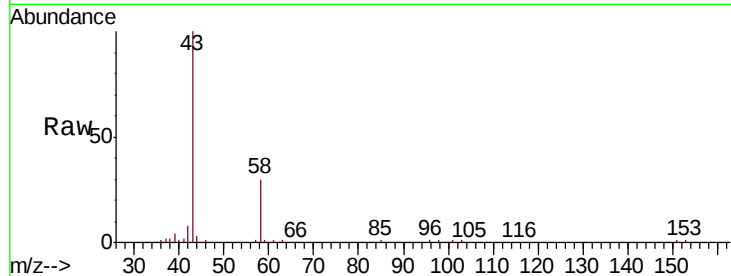
VSTD05052

Tgt Ion: 43 Resp: 118835

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

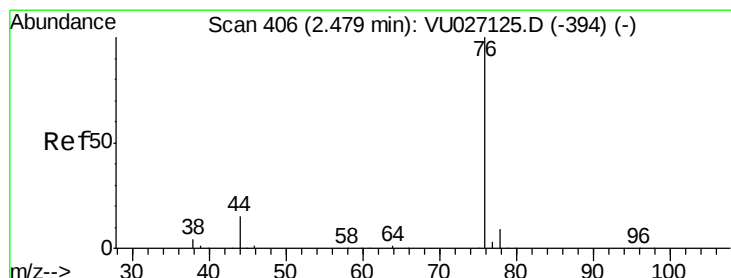
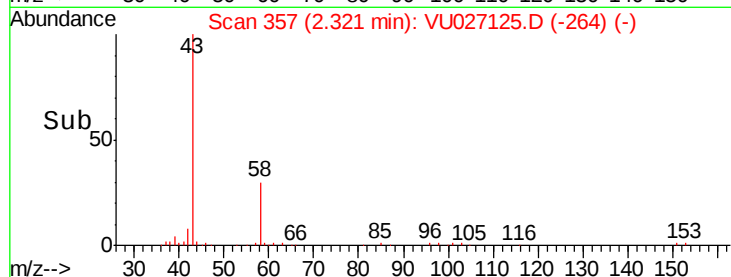
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 46.795 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027125.D

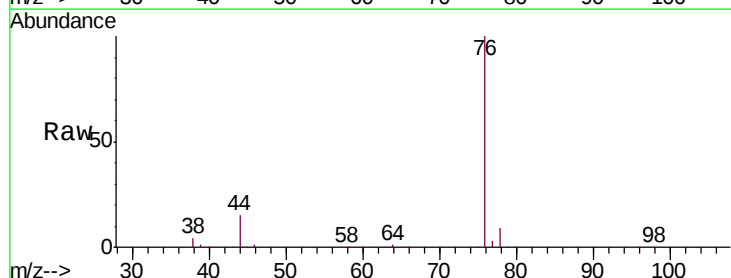
Acq: 25 Sep 2018 11:35

Tgt Ion: 76 Resp: 191354

Ion Ratio Lower Upper

76 100

78 8.9 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

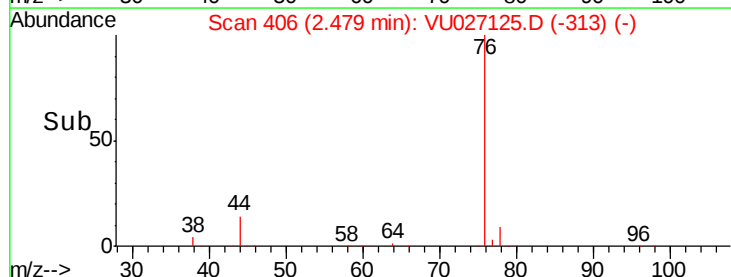
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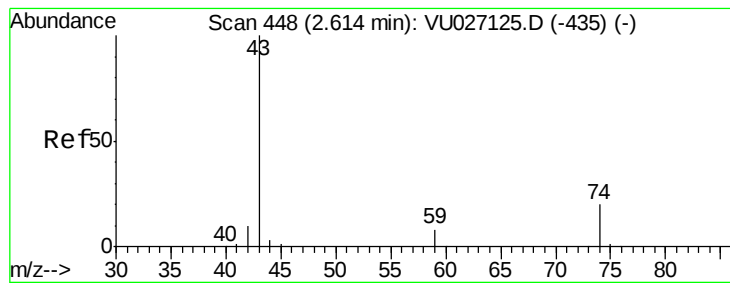
50000

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Time-->

2.40 2.45 2.50 2.55 2.60





#15

Methyl Acetate

Concen: 47.997 ug/L

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

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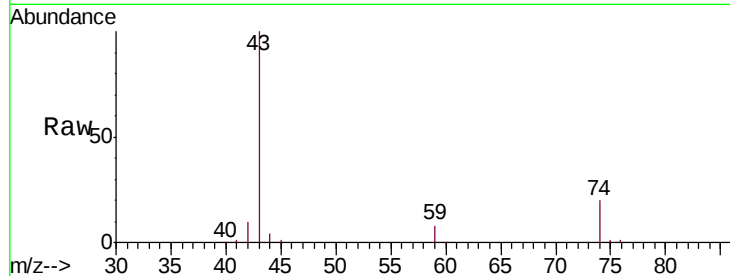
VSTD05052

Tgt Ion: 43 Resp: 103763

Ion Ratio Lower Upper

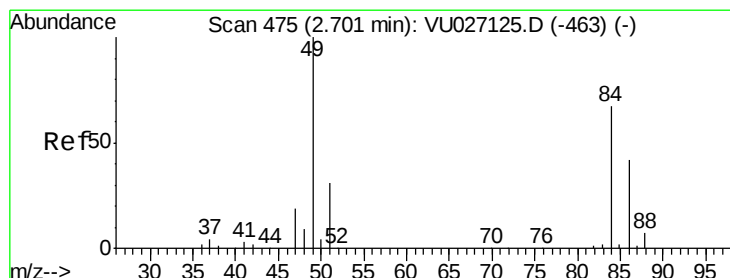
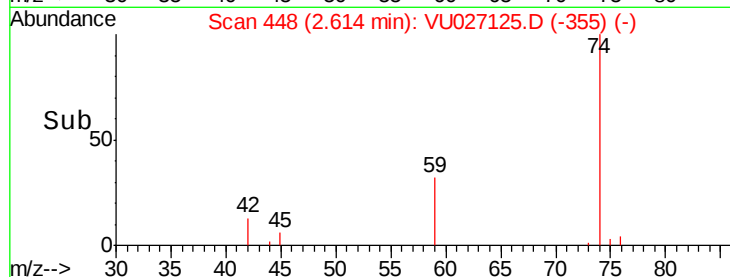
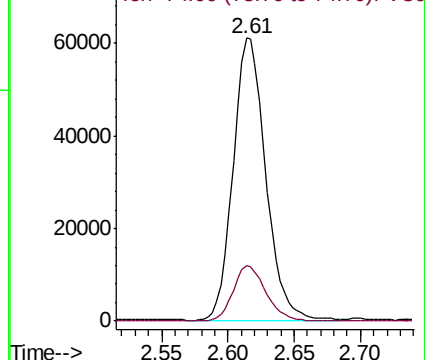
43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 47.907 ug/L

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

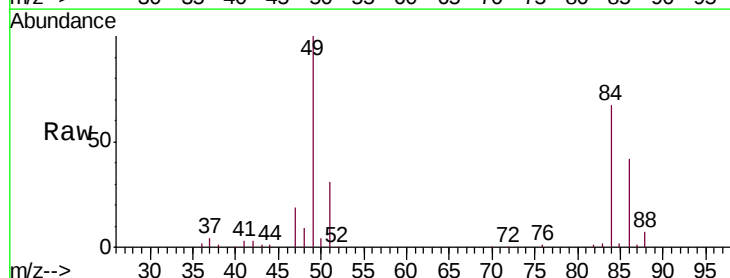
Tgt Ion: 84 Resp: 72321

Ion Ratio Lower Upper

84 100

86 62.5 43.8 81.3

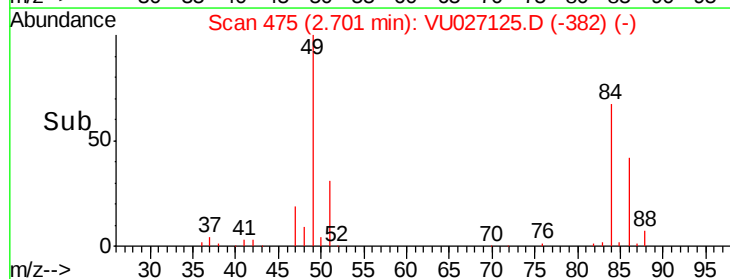
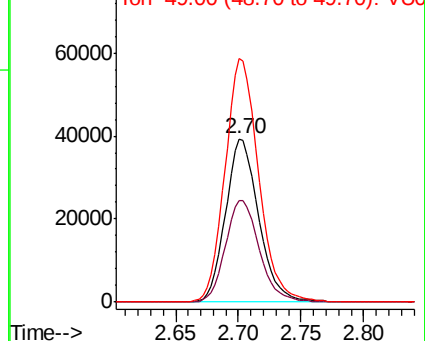
49 149.2 104.4 194.0

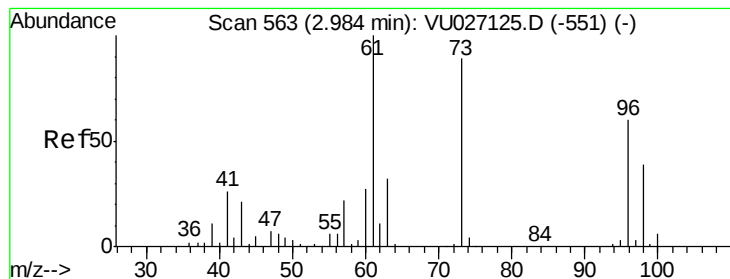


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 47.256 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

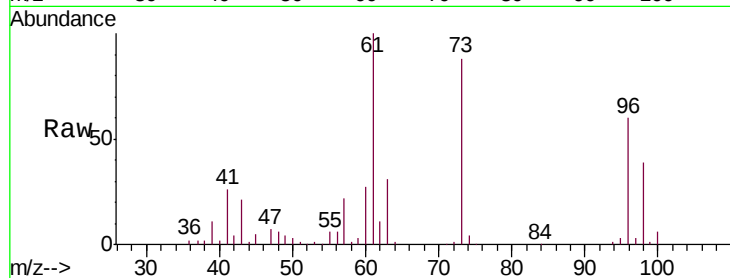
Tgt Ion: 96 Resp: 60530

Ion Ratio Lower Upper

96 100

61 167.5 117.2 217.8

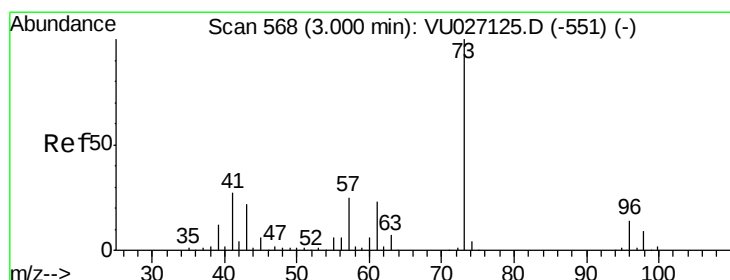
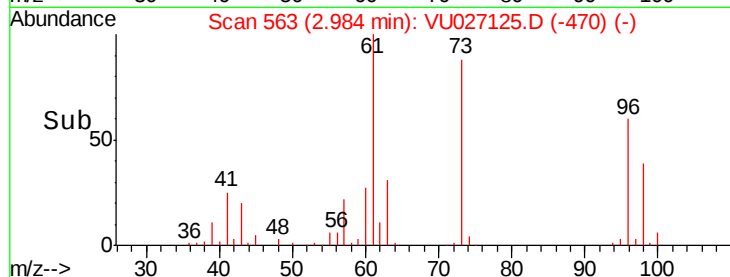
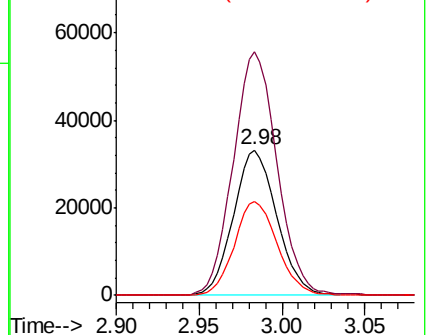
98 64.7 45.3 84.1



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: 48.692 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

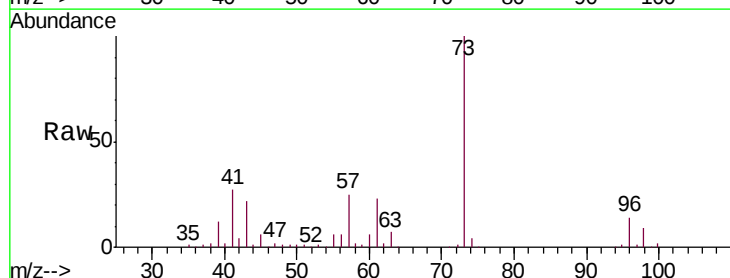
Tgt Ion: 73 Resp: 217317

Ion Ratio Lower Upper

73 100

43 22.4 17.9 26.9

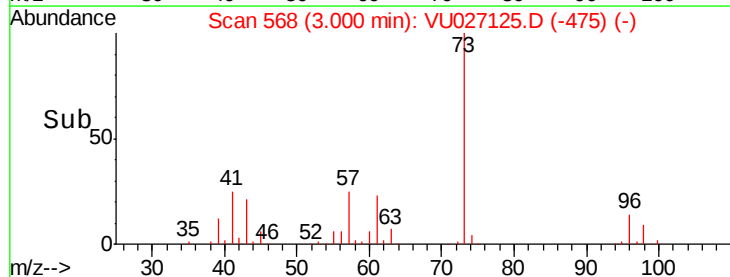
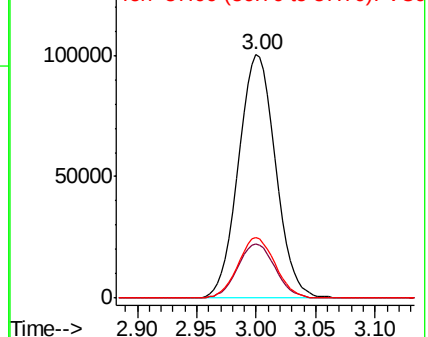
57 25.0 20.0 30.0

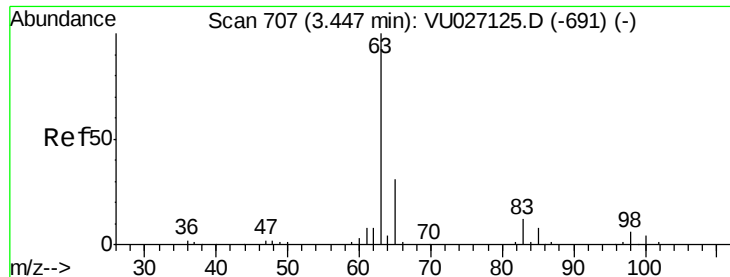


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

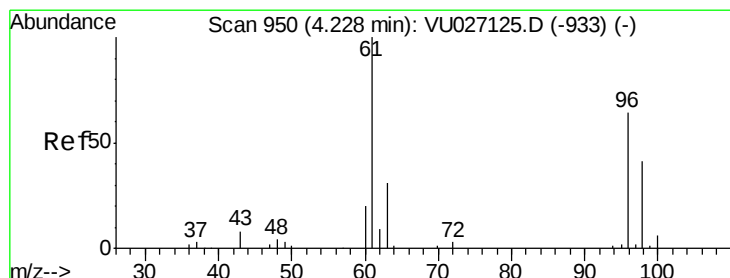
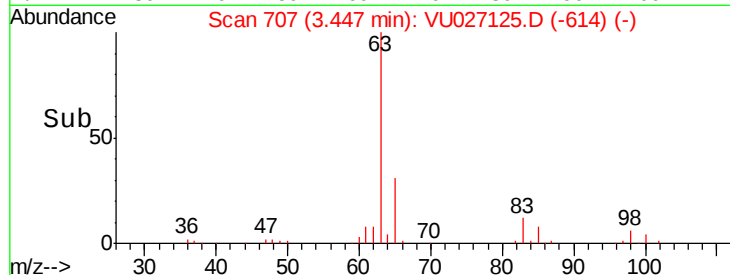
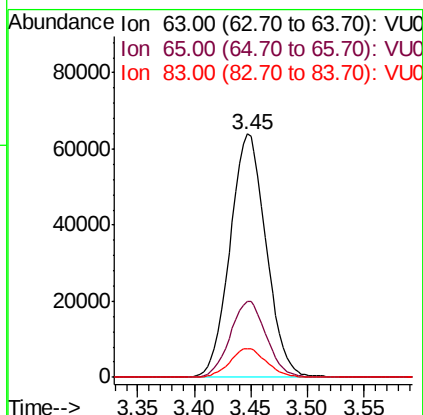
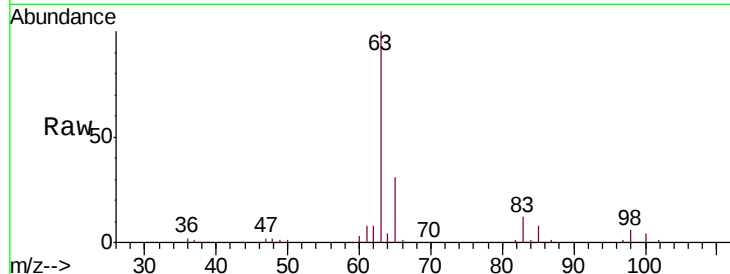




#19
 1,1-Dichloroethane
 Concen: 48.315 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027125.D
 Acq: 25 Sep 2018 11:35

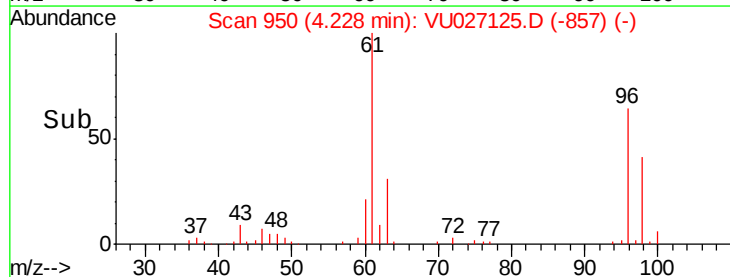
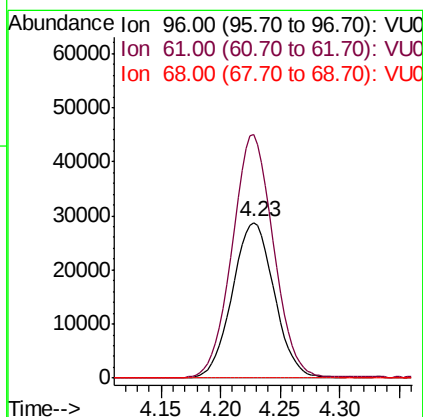
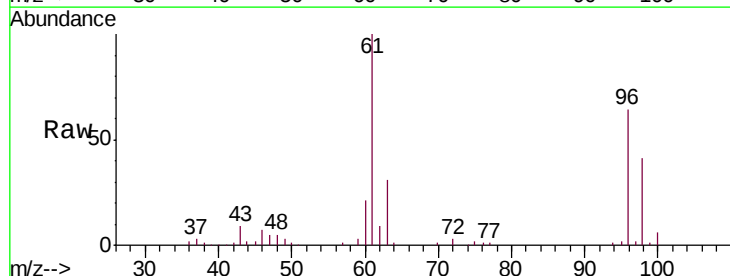
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

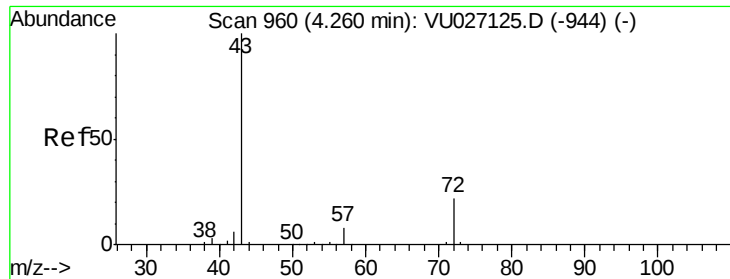
Tgt Ion: 63 Resp: 142226
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 40.8
 83 12.0 8.4 15.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.680 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027125.D
 Acq: 25 Sep 2018 11:35

Tgt Ion: 96 Resp: 70176
 Ion Ratio Lower Upper
 96 100
 61 156.6 109.6 203.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.402 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

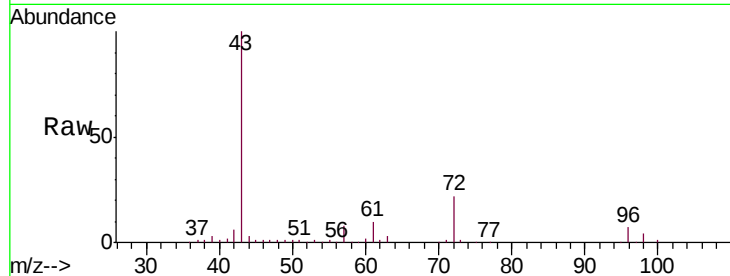
VSTD05052

Tgt Ion: 43 Resp: 154277

Ion Ratio Lower Upper

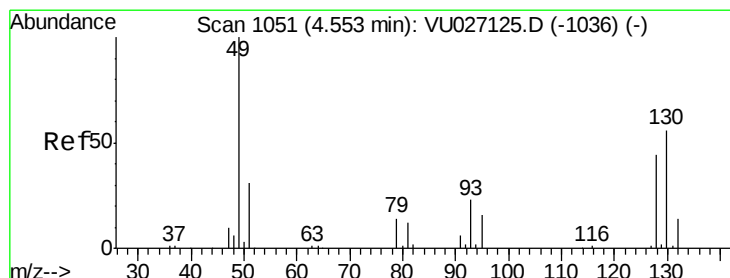
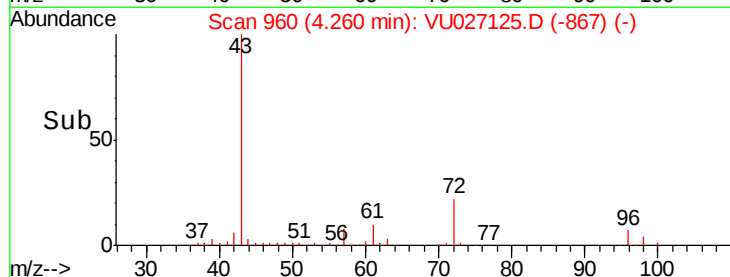
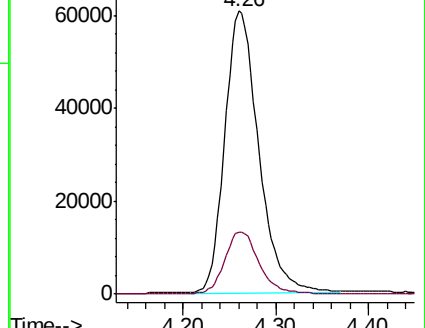
43 100

72 22.6 11.3 33.9



Abundance Ion 43.00 (42.70 to 43.70): VU027125.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU027125.D (-944) (-)



#23

Bromochloromethane

Concen: 48.949 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Tgt Ion: 128 Resp: 33182

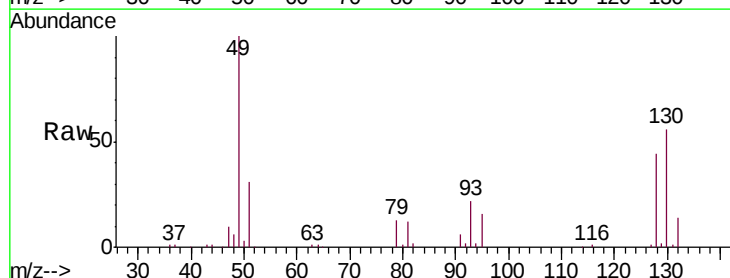
Ion Ratio Lower Upper

128 100

49 227.2 159.0 295.4

130 126.6 88.6 164.6

51 70.2 56.2 84.2

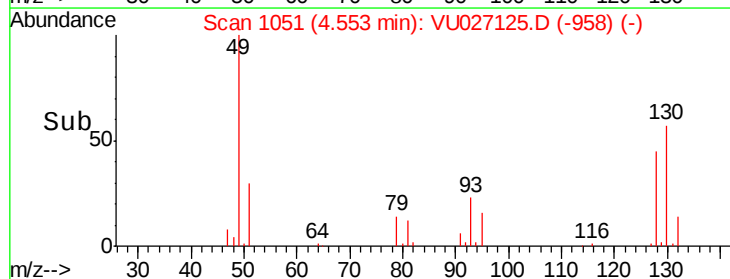
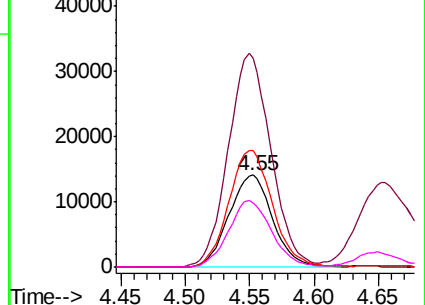


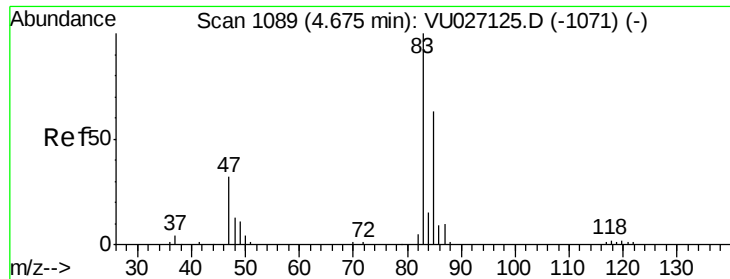
Abundance Ion 128.00 (127.70 to 128.70): VU027125.D (-1036) (-)

Ion 49.00 (48.70 to 49.70): VU027125.D (-1036) (-)

Ion 130.00 (129.70 to 130.70): VU027125.D (-1036) (-)

Ion 51.00 (50.70 to 51.70): VU027125.D (-1036) (-)

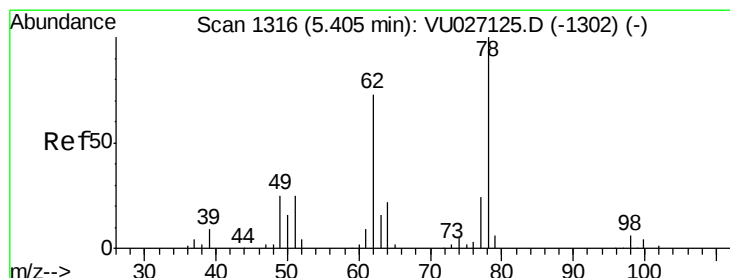
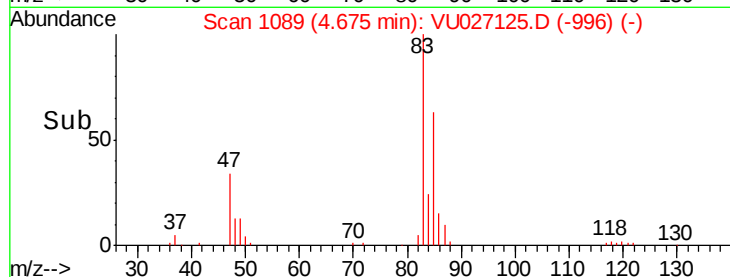
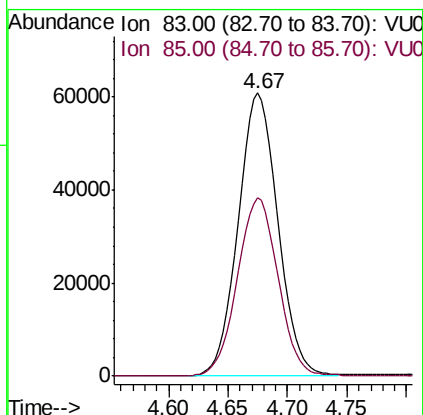
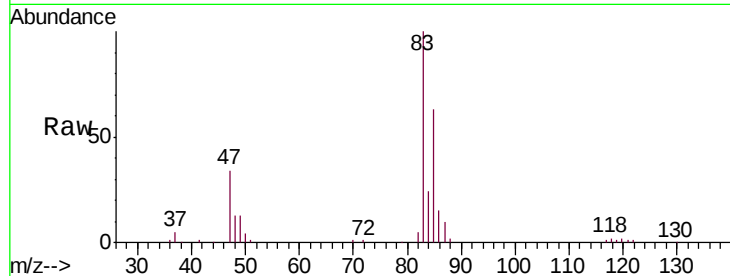




#25
Chloroform
Concen: 51.083 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

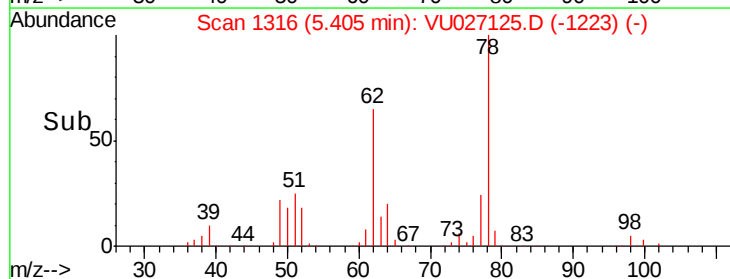
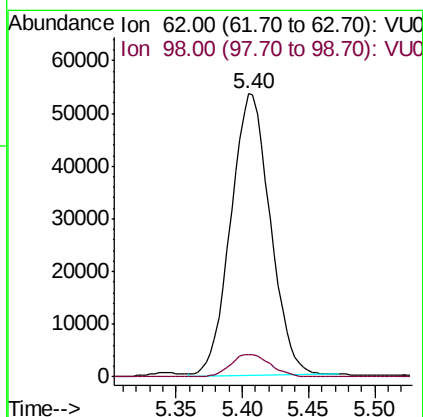
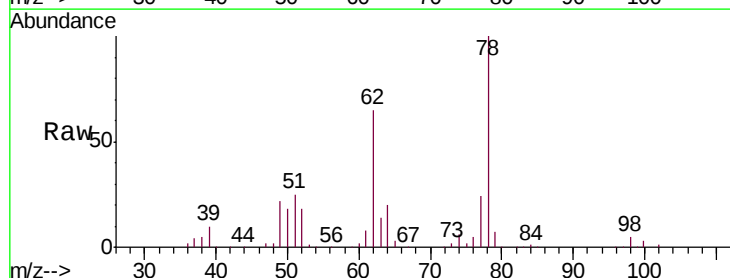
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

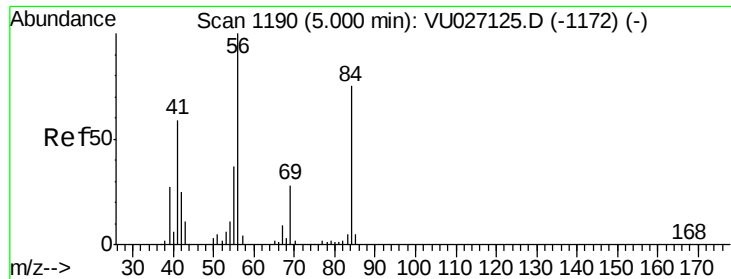
Tgt Ion: 83 Resp: 141011
Ion Ratio Lower Upper
83 100
85 62.8 44.0 81.6



#27
1,2-Dichloroethane
Concen: 48.432 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

Tgt Ion: 62 Resp: 110931
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6

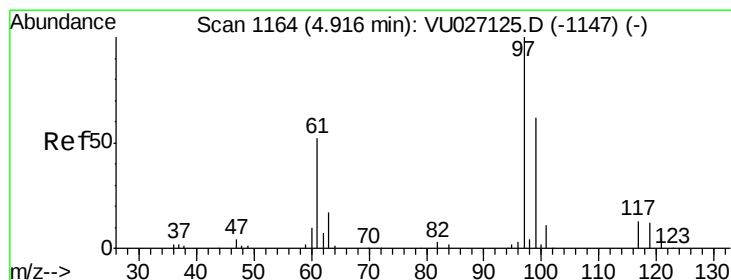
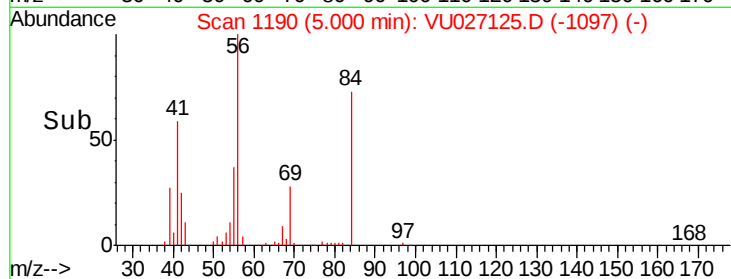
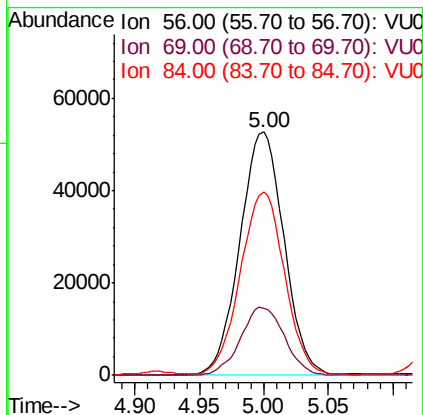
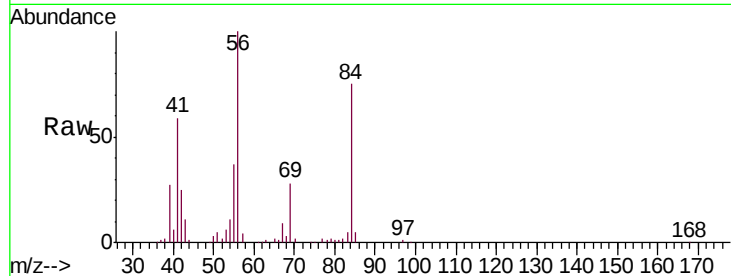




#29
Cyclohexane
Concen: 50.089 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

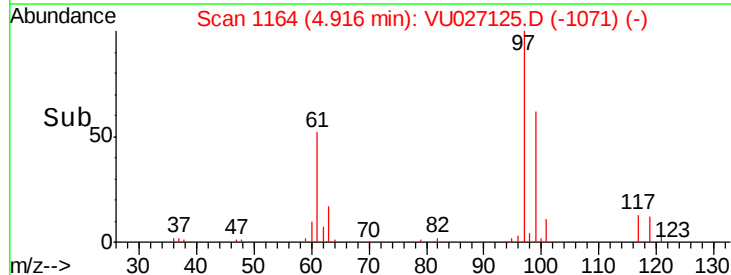
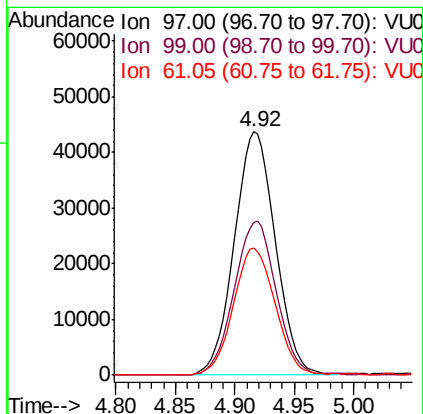
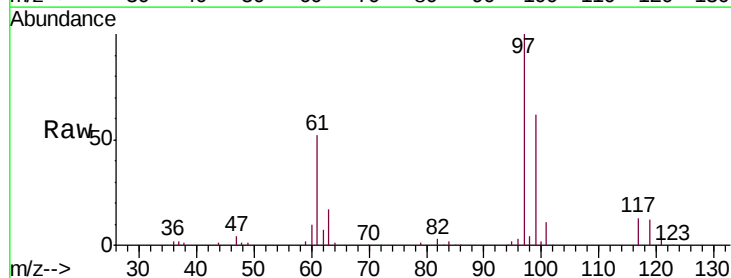
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

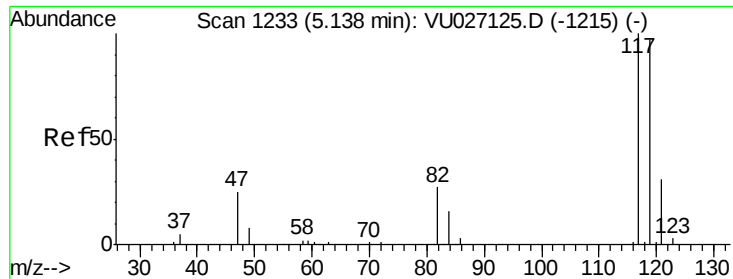
Tgt Ion: 56 Resp: 125803
Ion Ratio Lower Upper
56 100
69 27.9 22.3 33.5
84 74.8 59.8 89.8



#30
1,1,1-Trichloroethane
Concen: 48.986 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

Tgt Ion: 97 Resp: 104737
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 52.9 42.3 63.5

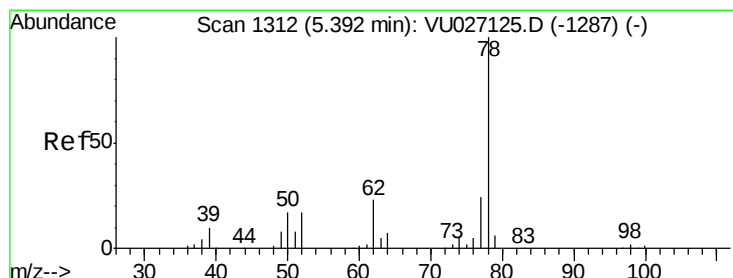
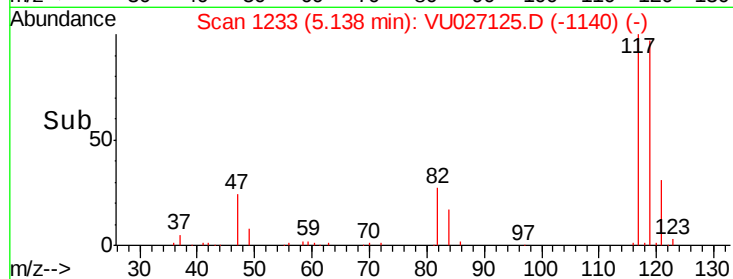
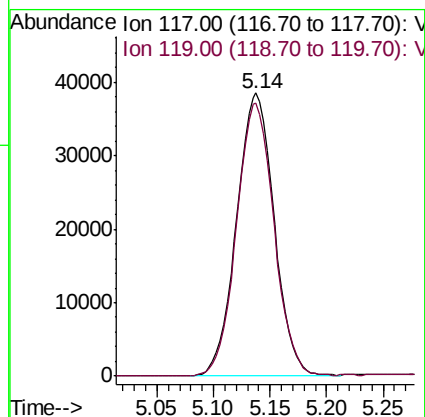
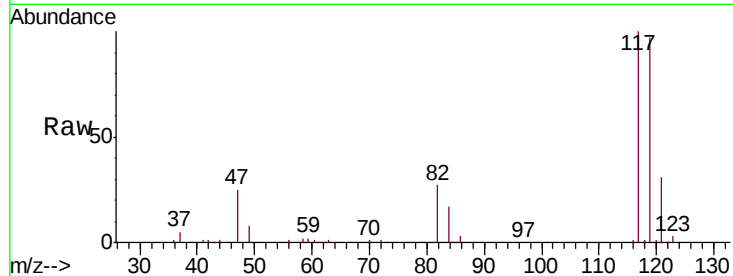




#31
Carbon tetrachloride
Concen: 49.305 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

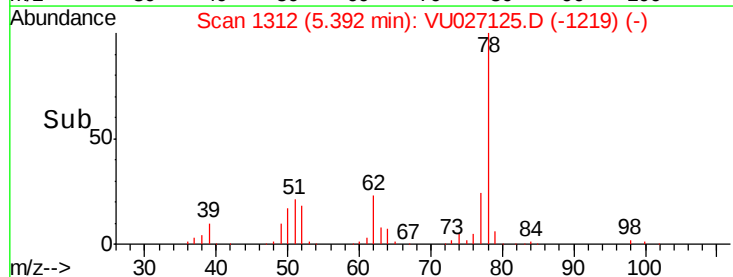
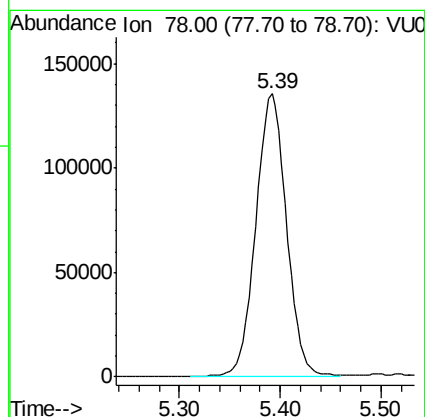
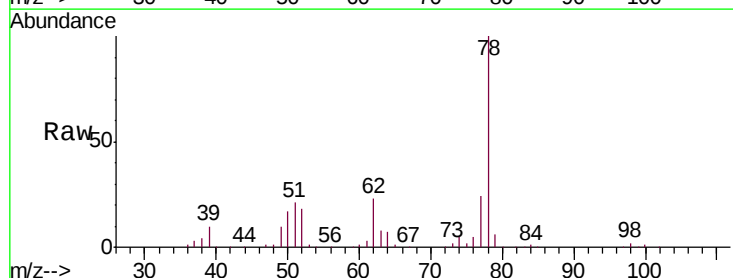
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

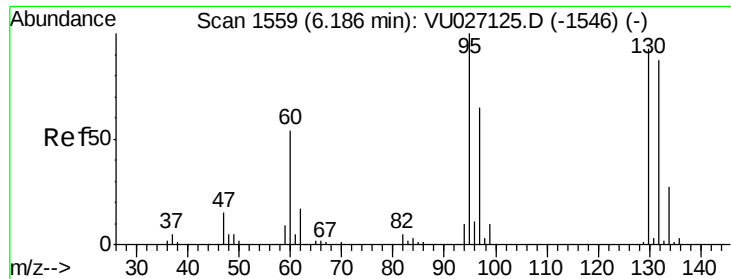
Tgt Ion:117 Resp: 89314
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 50.040 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

Tgt Ion: 78 Resp: 286824





#34

Trichloroethene

Concen: 48.179 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 95 Resp: 64428

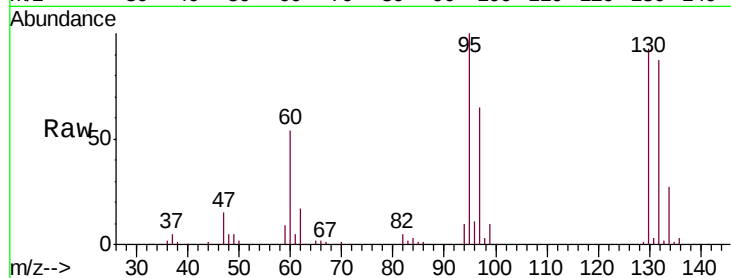
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 87.3 61.1 113.5

130 92.8 65.0 120.6



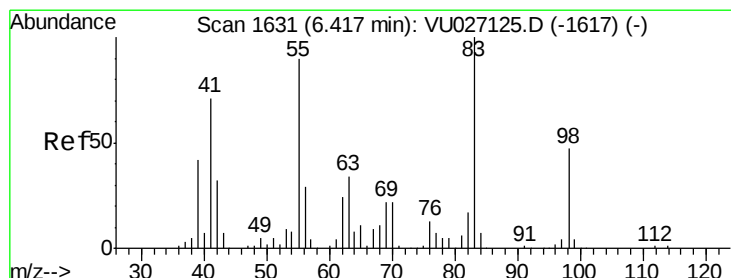
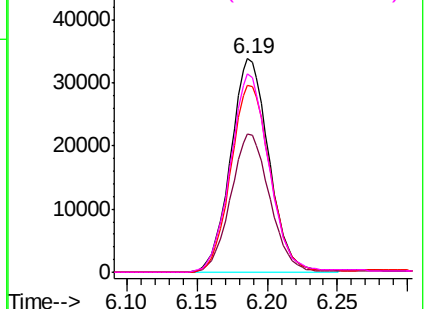
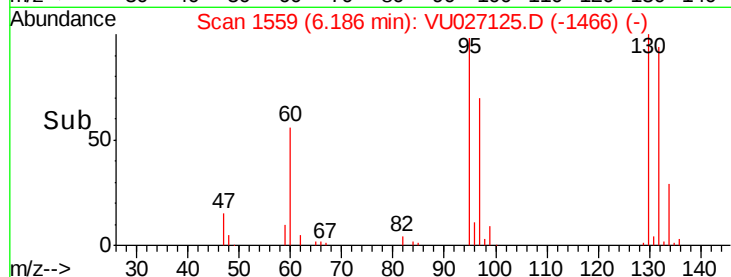
Abundance

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: 49.864 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

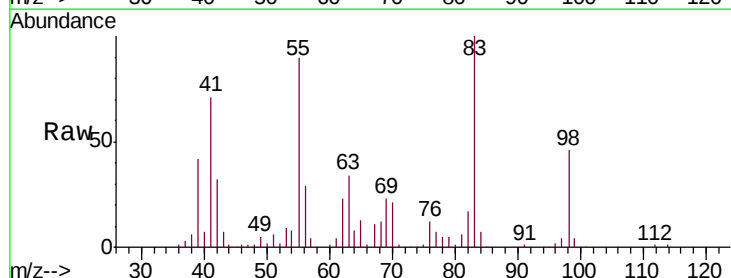
Tgt Ion: 83 Resp: 112402

Ion Ratio Lower Upper

83 100

55 91.5 73.2 109.8

98 46.3 37.0 55.6

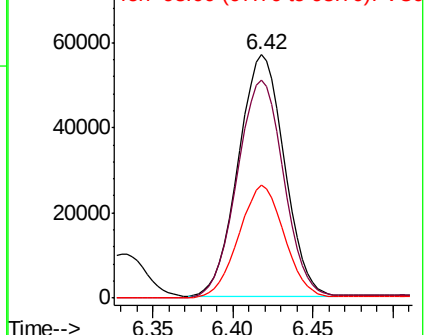
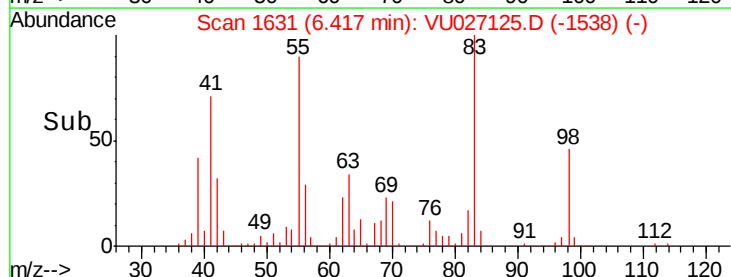


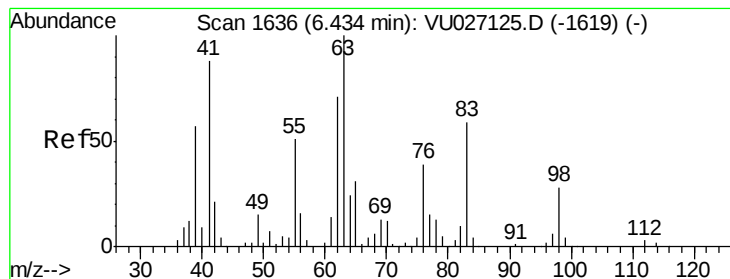
Abundance

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: 49.754 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

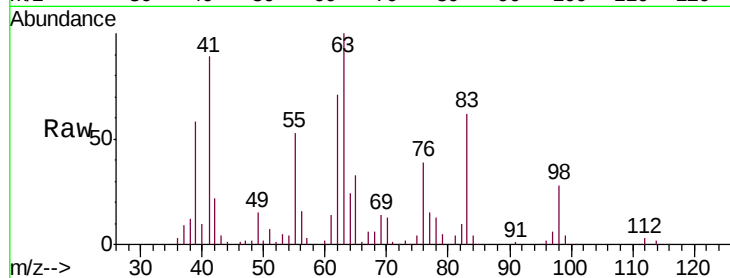
VSTD05052

Tgt Ion: 63 Resp: 87456

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VU027125.D (-1619) (-)

Ion 112.00 (111.70 to 112.70): VU027125.D (-1619) (-)

6.43

50000

40000

30000

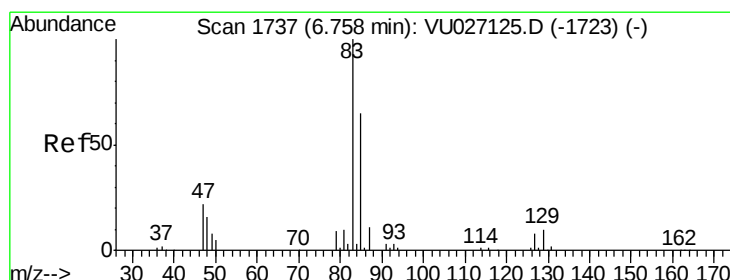
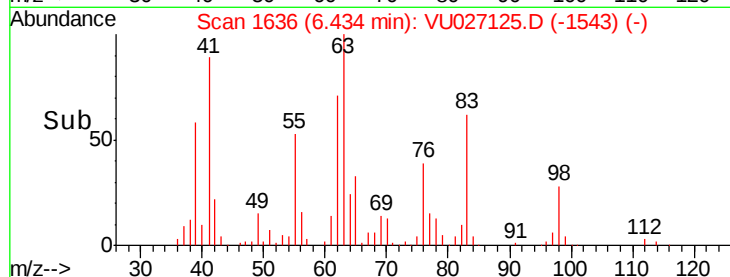
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 48.669 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

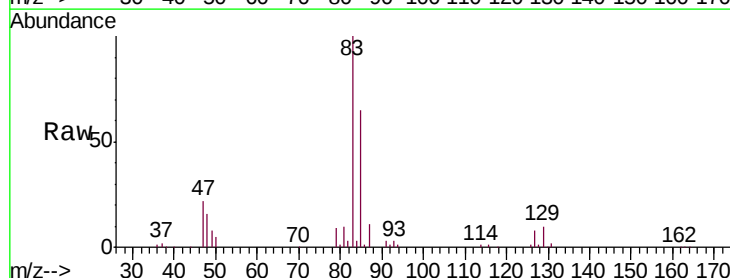
Tgt Ion: 83 Resp: 97176

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

127 8.2 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VU027125.D (-1723) (-)

Ion 85.00 (84.70 to 85.70): VU027125.D (-1723) (-)

Ion 127.00 (126.70 to 127.70): VU027125.D (-1723) (-)

6.76

60000

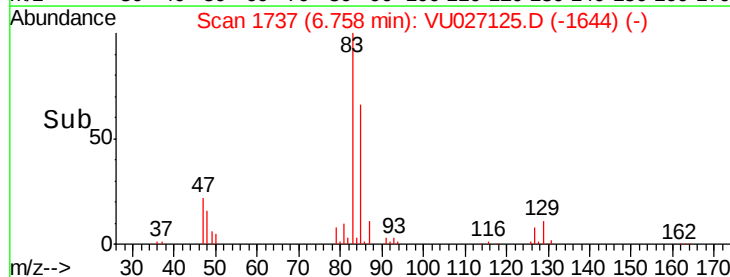
40000

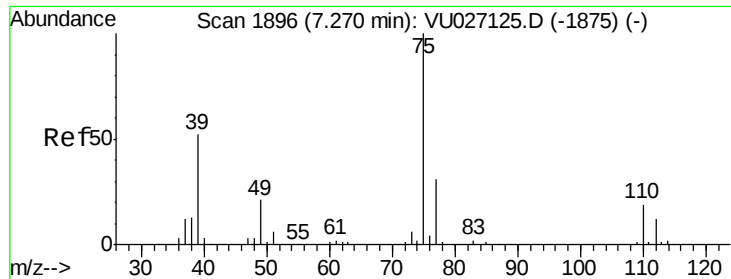
20000

0

6.70 6.75 6.80

Time-->

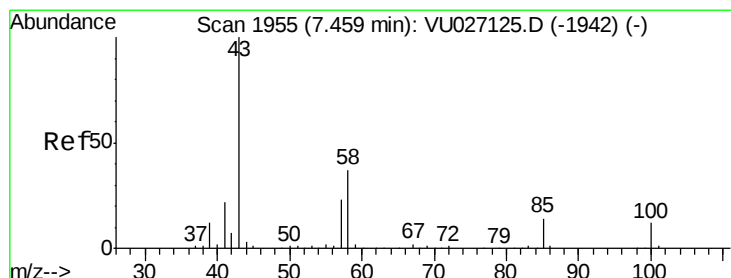
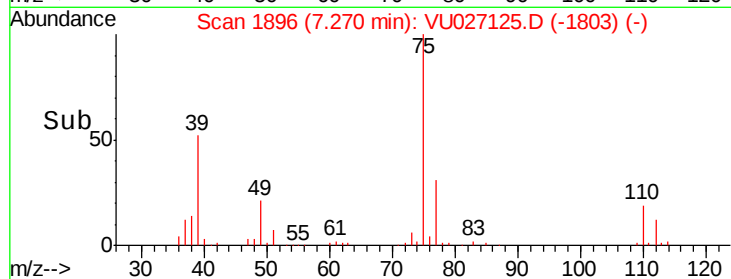
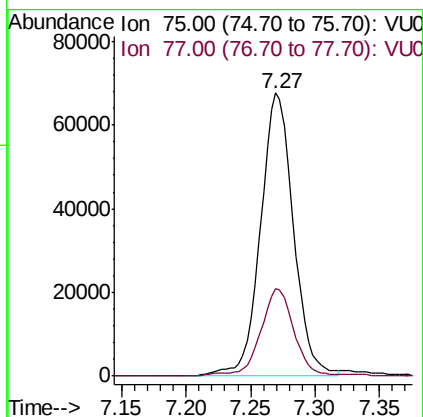
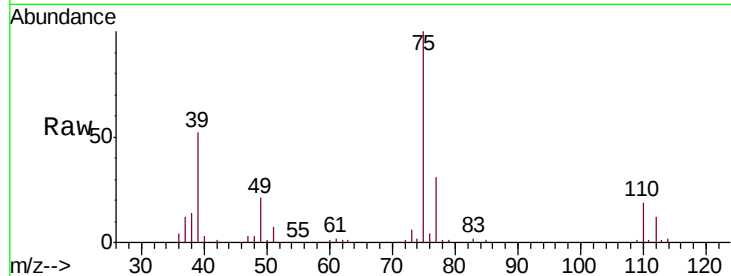




#39
 cis-1,3-Dichloropropene
 Concen: 51.126 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027125.D
 Acq: 25 Sep 2018 11:35

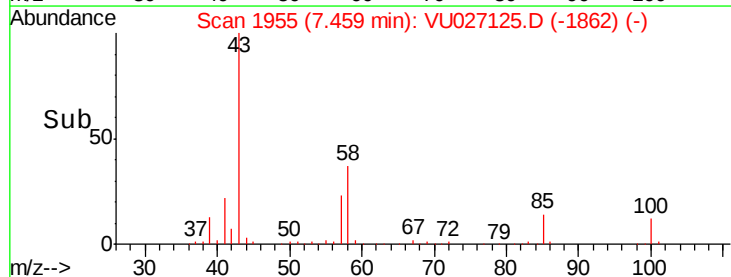
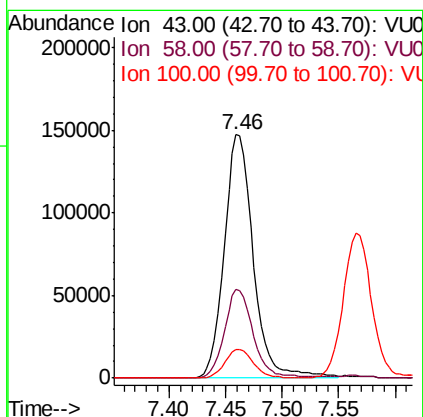
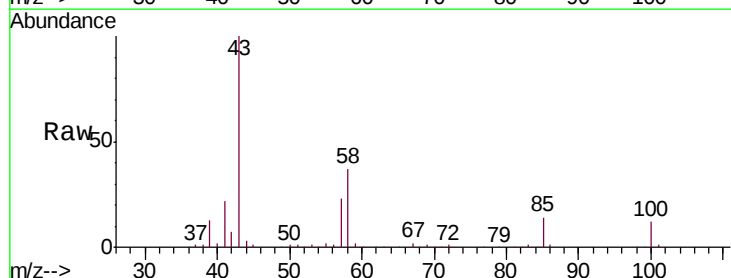
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

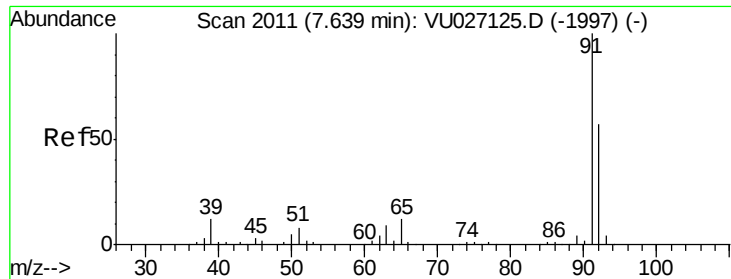
Tgt Ion: 75 Resp: 120933
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 102.500 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU027125.D
 Acq: 25 Sep 2018 11:35

Tgt Ion: 43 Resp: 264316
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.0 43.6
 100 11.7 9.4 14.0





#42

Toluene

Concen: 51.533 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

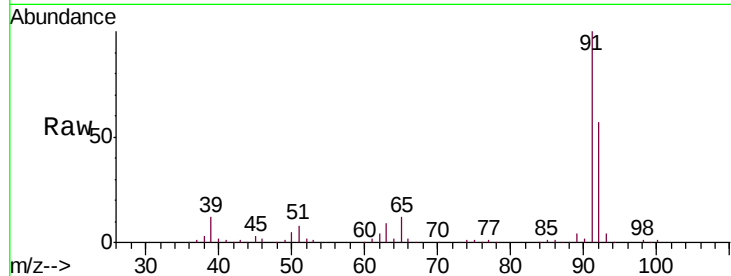
VSTD05052

Tgt Ion: 91 Resp: 291338

Ion Ratio Lower Upper

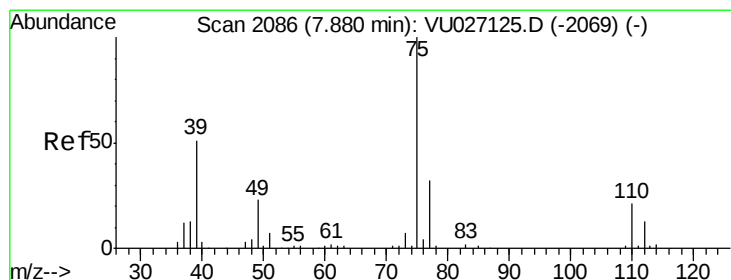
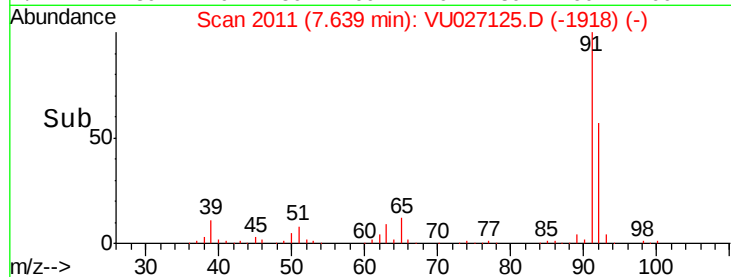
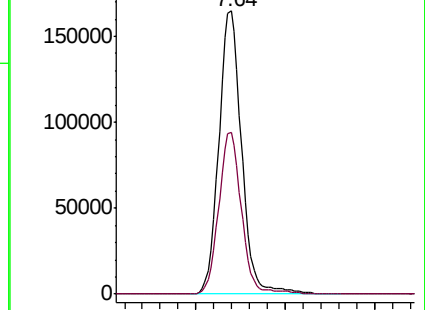
91 100

92 57.0 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: 49.923 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027125.D

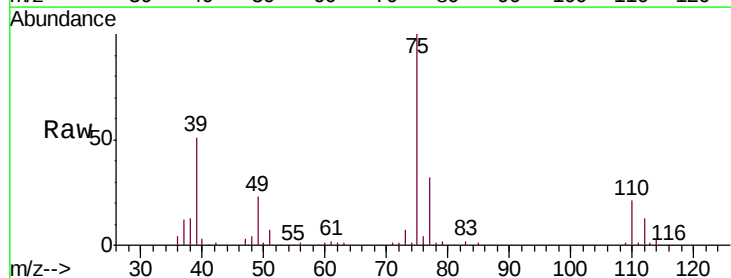
Acq: 25 Sep 2018 11:35

Tgt Ion: 75 Resp: 114124

Ion Ratio Lower Upper

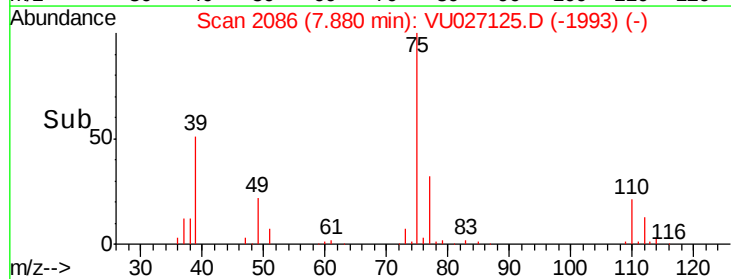
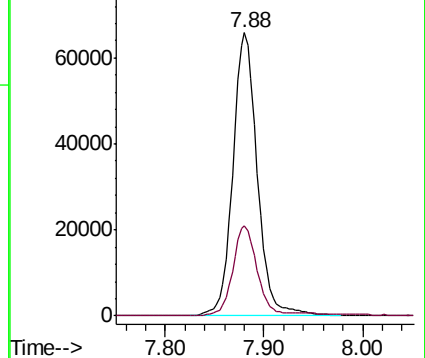
75 100

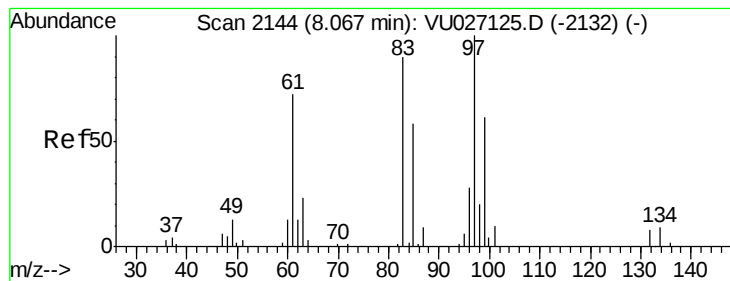
77 31.9 22.3 41.5



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: 49.689 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 97 Resp: 69200

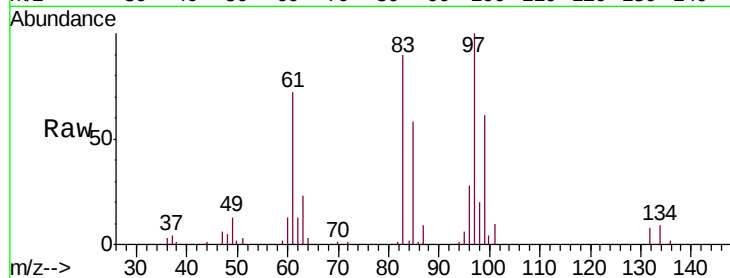
Ion Ratio Lower Upper

97 100

99 61.1 42.8 79.4

83 90.3 63.2 117.4

85 58.4 40.9 75.9

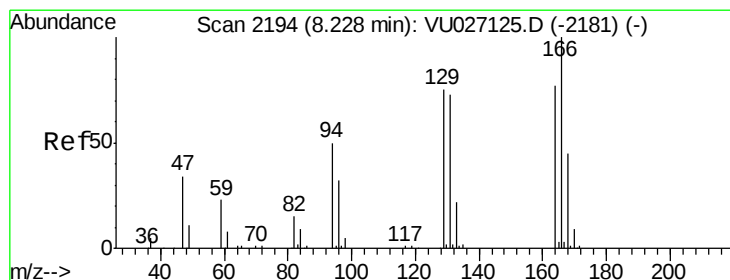
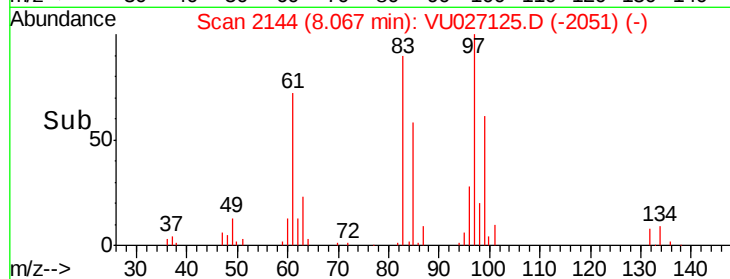
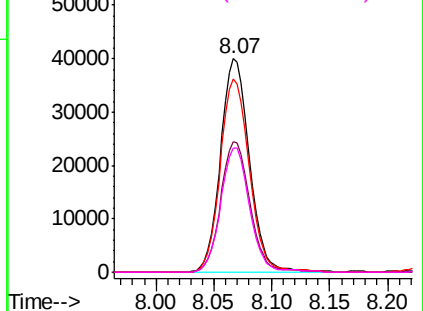


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 50.027 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Tgt Ion: 164 Resp: 47977

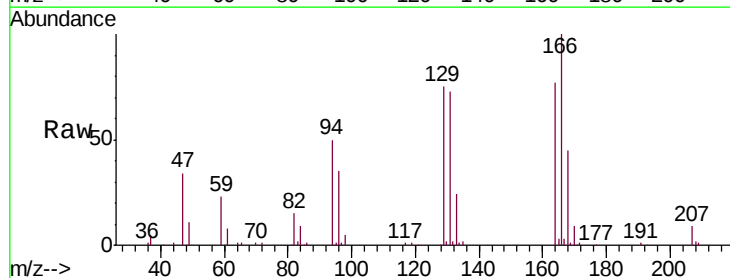
Ion Ratio Lower Upper

164 100

129 96.8 67.8 125.8

131 94.8 66.4 123.2

166 129.1 90.4 167.8

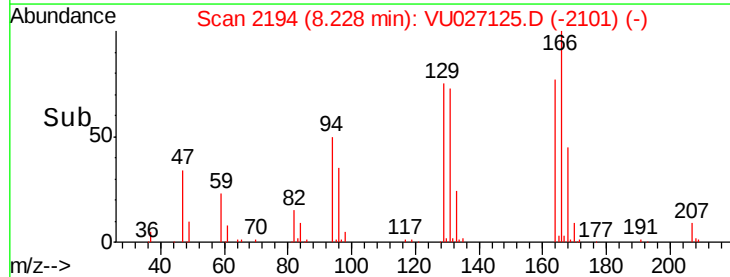
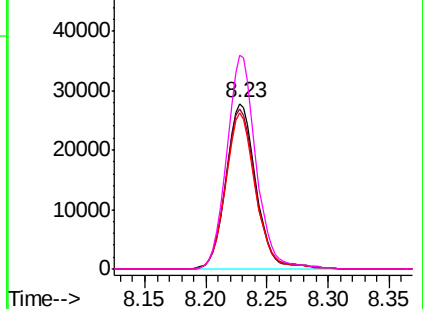


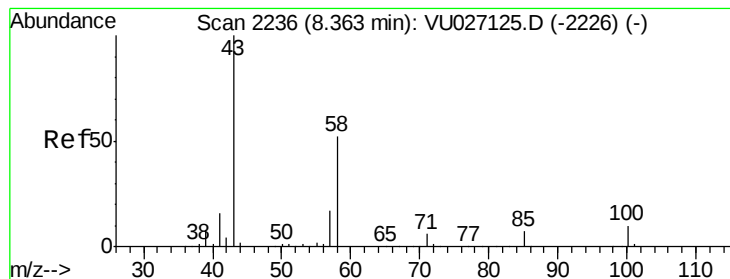
Abundance Ion 164.00 (163.70 to 164.70): V

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: 102.405 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 43 Resp: 215482

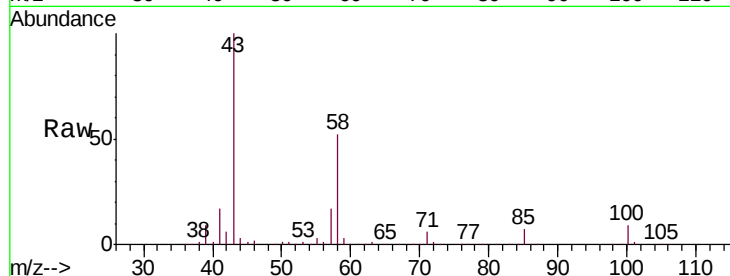
Ion Ratio Lower Upper

43 100

58 52.4 41.9 62.9

57 17.3 13.8 20.8

100 9.2 7.4 11.0

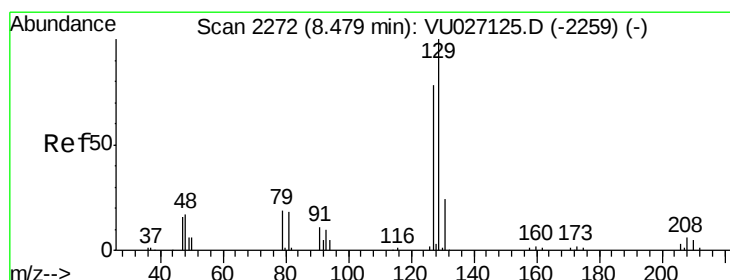
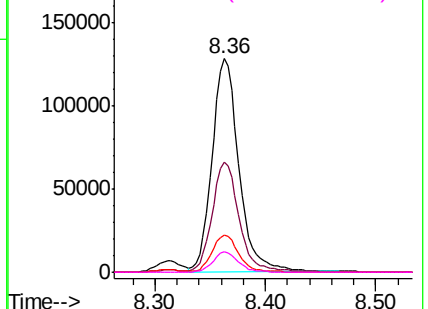
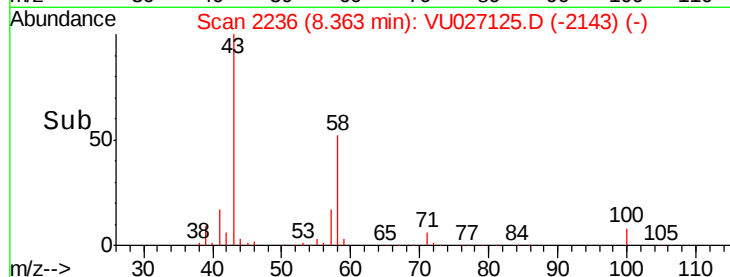


Abundance Ion 43.00 (42.70 to 43.70): VU027125.D (-2226) (-)

Ion 58.00 (57.70 to 58.70): VU027125.D (-2226) (-)

Ion 57.00 (56.70 to 57.70): VU027125.D (-2226) (-)

Ion 100.00 (99.70 to 100.70): VU027125.D (-2226) (-)



#49

Dibromochloromethane

Concen: 49.336 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027125.D

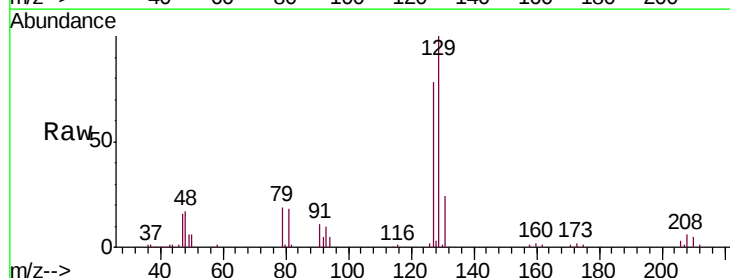
Acq: 25 Sep 2018 11:35

Tgt Ion: 129 Resp: 70104

Ion Ratio Lower Upper

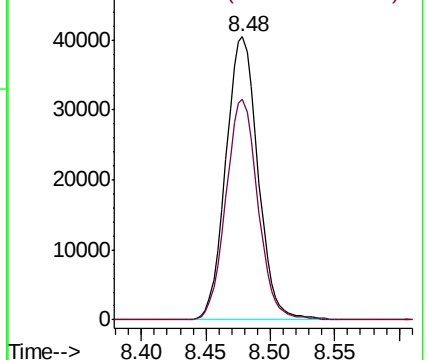
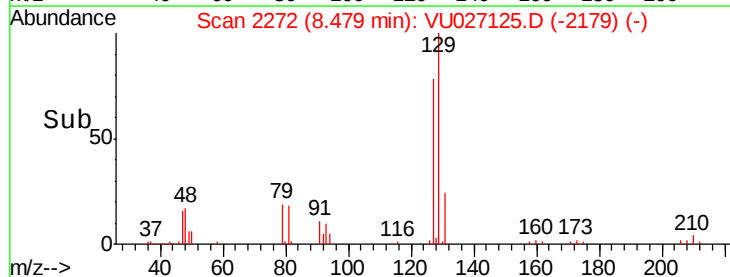
129 100

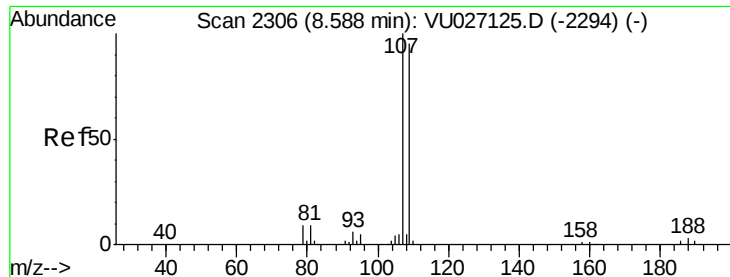
127 78.1 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VU027125.D (-2259) (-)

Ion 127.00 (126.70 to 127.70): VU027125.D (-2259) (-)

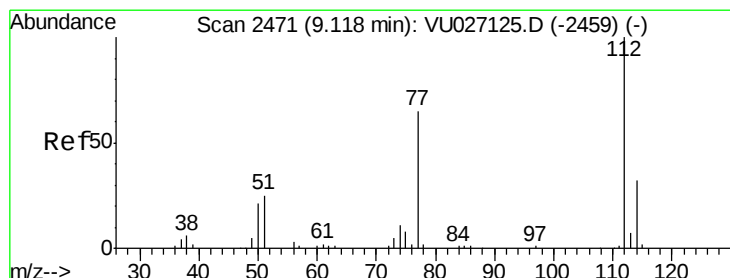
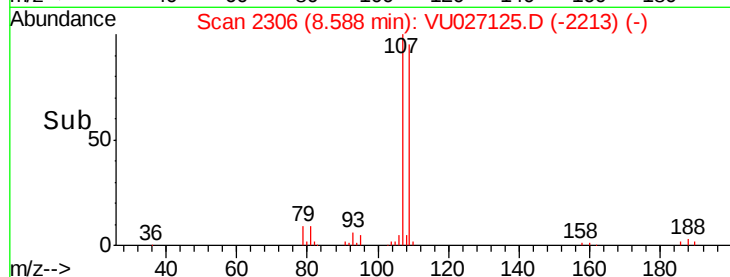
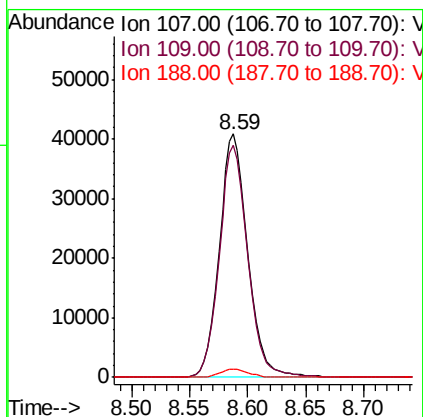
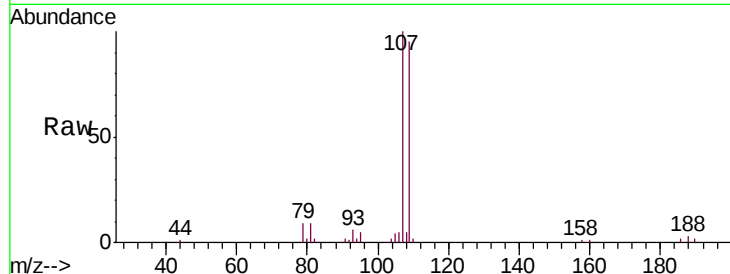




#50
1,2-Dibromoethane
Concen: 48.657 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

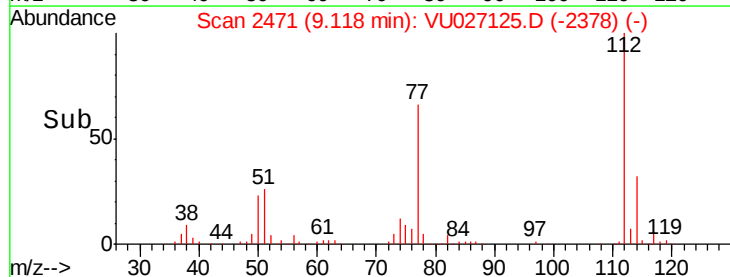
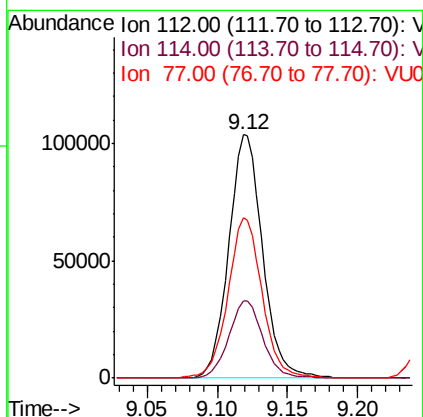
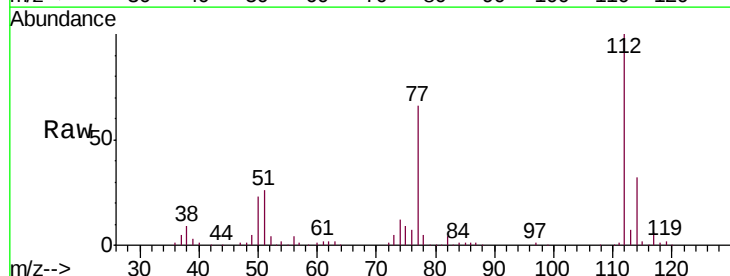
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

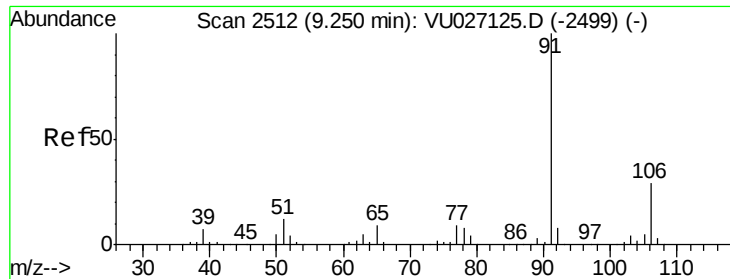
Tgt Ion:107 Resp: 69591
Ion Ratio Lower Upper
107 100
109 95.4 66.8 124.0
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 48.656 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

Tgt Ion:112 Resp: 174005
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 66.1 52.9 79.3

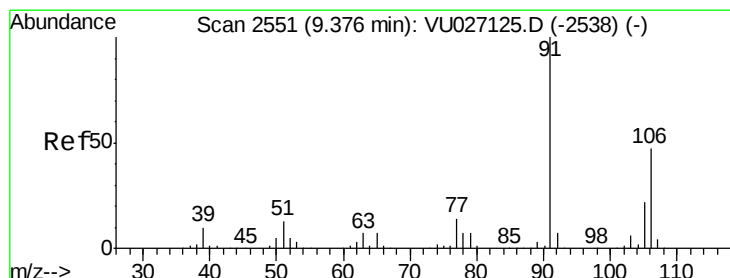
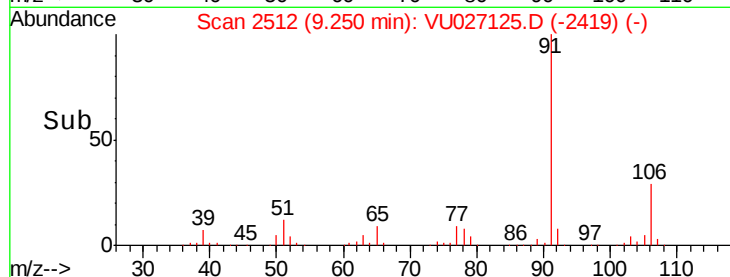
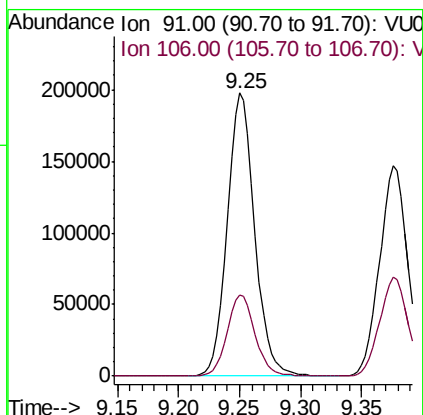
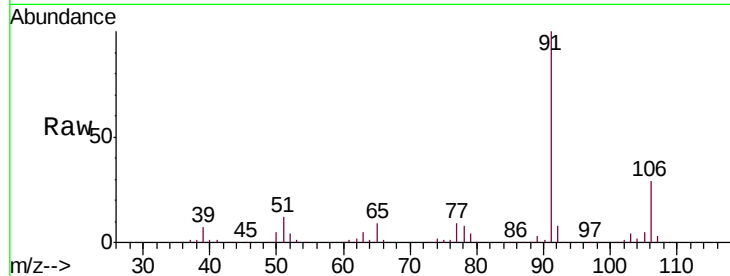




#52
Ethylbenzene
Concen: 50.428 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

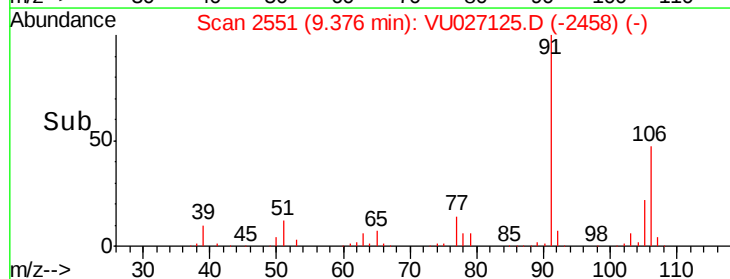
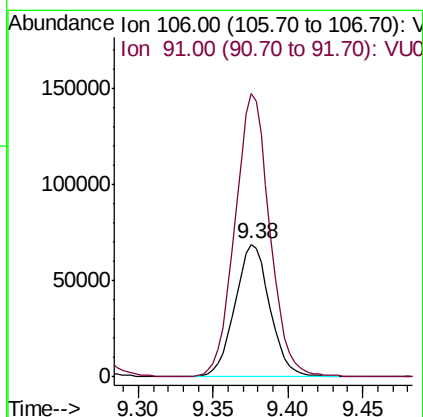
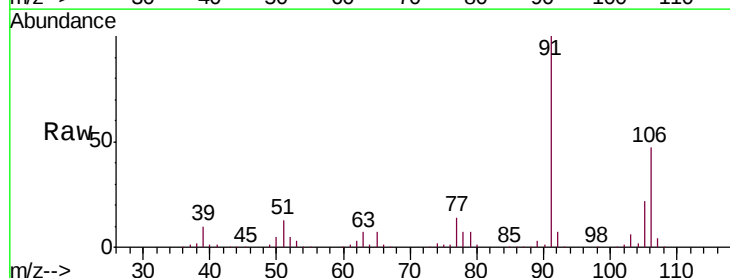
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

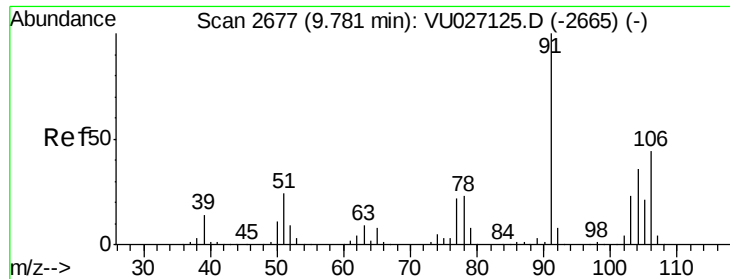
Tgt Ion: 91 Resp: 311307
Ion Ratio Lower Upper
91 100
106 28.8 20.2 37.4



#53
m,p-Xylene
Concen: 51.263 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

Tgt Ion: 106 Resp: 112671
Ion Ratio Lower Upper
106 100
91 213.5 149.4 277.5

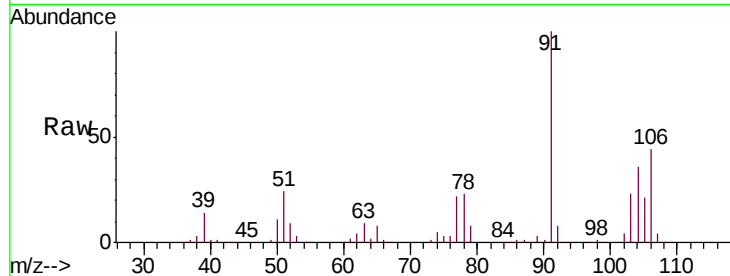




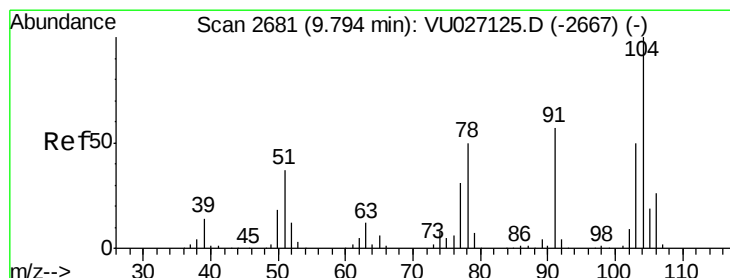
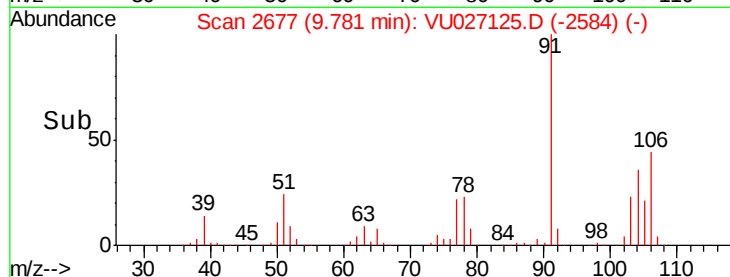
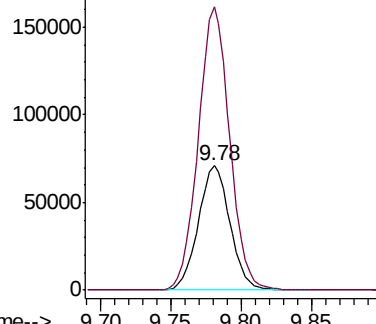
#54
o-xylene
Concen: 51.711 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Tgt Ion:106 Resp: 111334
Ion Ratio Lower Upper
106 100
91 227.7 159.4 296.0

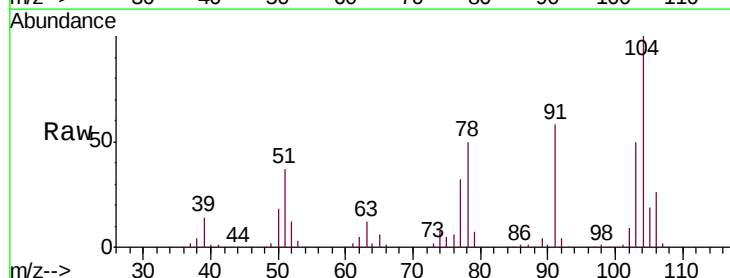


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

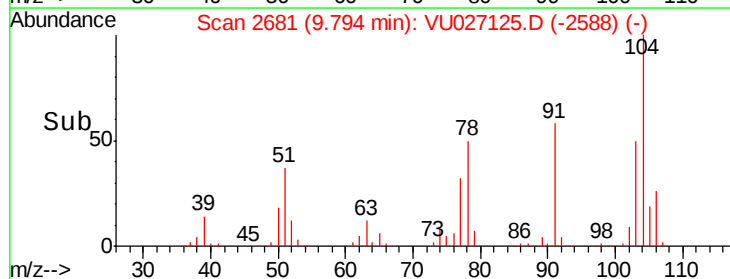
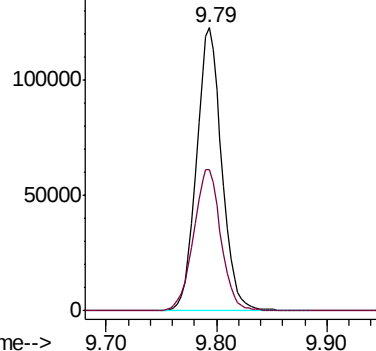


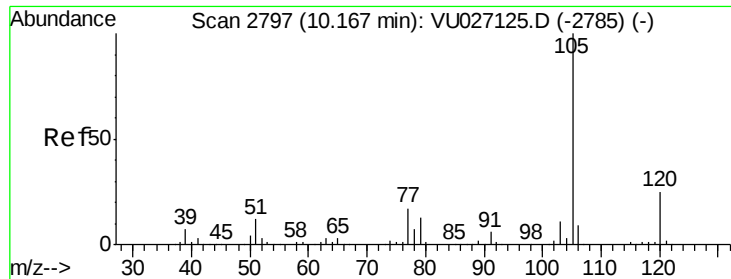
#55
Styrene
Concen: 52.677 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027125.D
Acq: 25 Sep 2018 11:35

Tgt Ion:104 Resp: 194451
Ion Ratio Lower Upper
104 100
78 49.8 34.9 64.7



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





#56

Isopropylbenzene

Concen: 51.931 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

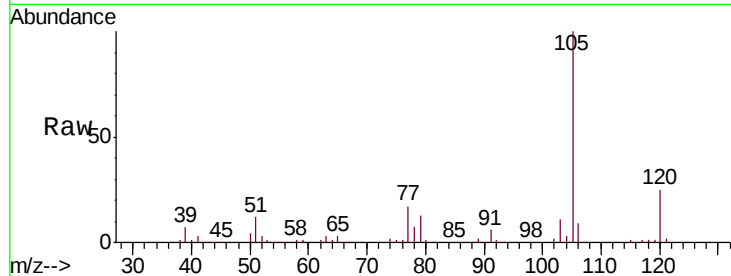
Tgt Ion: 105 Resp: 291903

Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

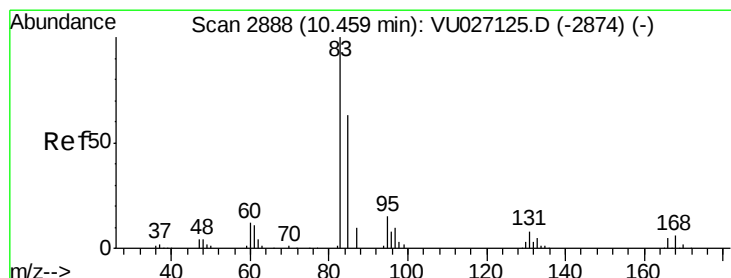
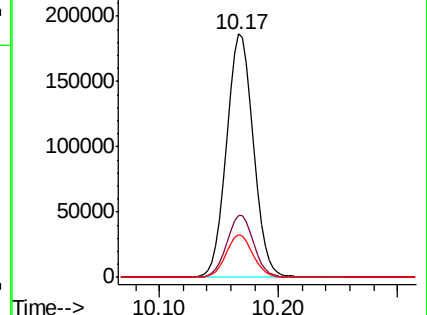
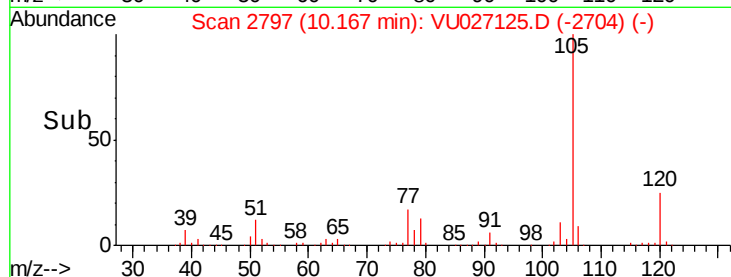
77 17.4 13.9 20.9



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: 48.828 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

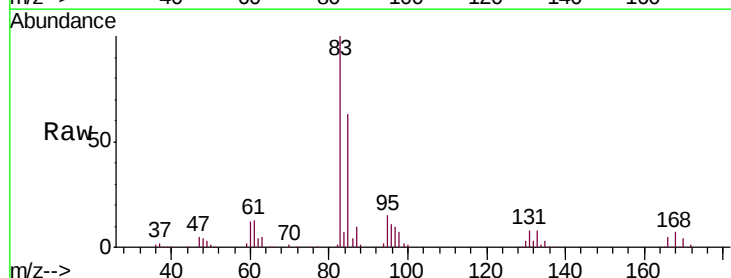
Tgt Ion: 83 Resp: 124009

Ion Ratio Lower Upper

83 100

85 63.0 44.1 81.9

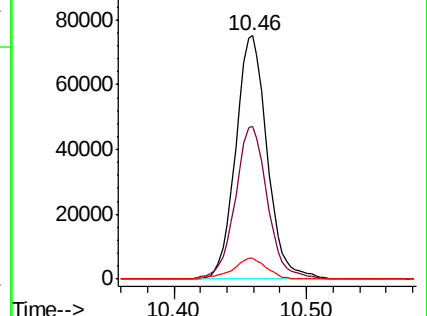
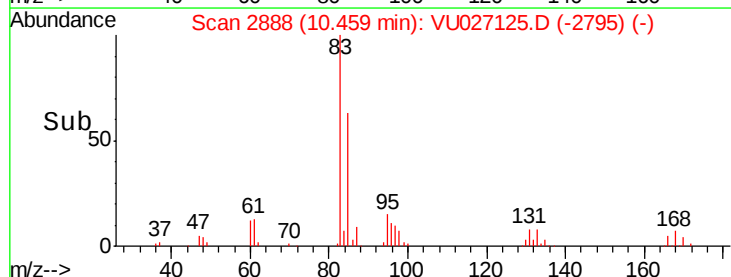
131 8.5 6.8 10.2

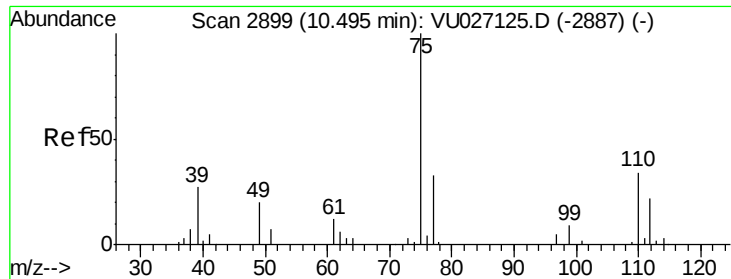


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.572 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

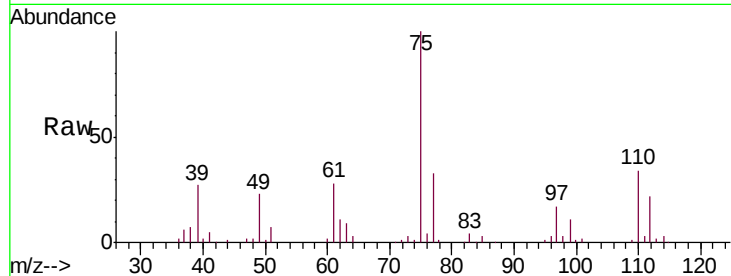
VSTD05052

Tgt Ion: 75 Resp: 99671

Ion Ratio Lower Upper

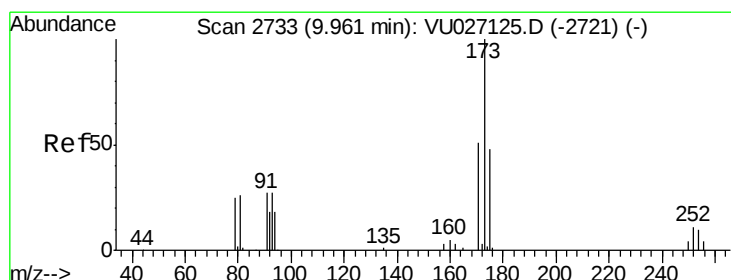
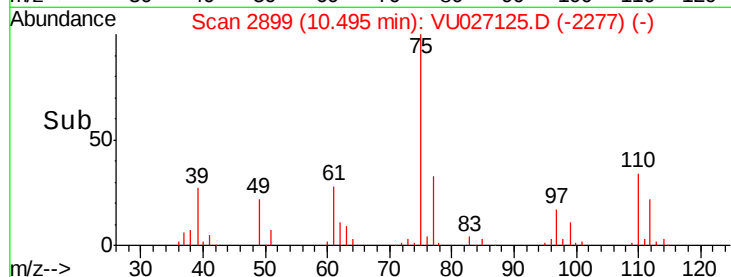
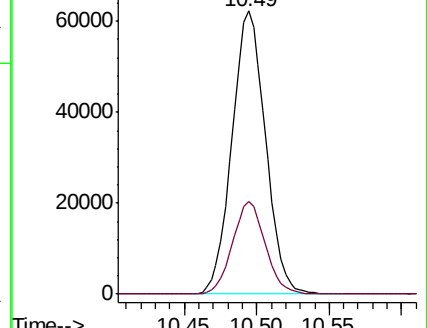
75 100

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU027125.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU027125.D (-2887) (-)



#61

Bromoform

Concen: 47.618 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

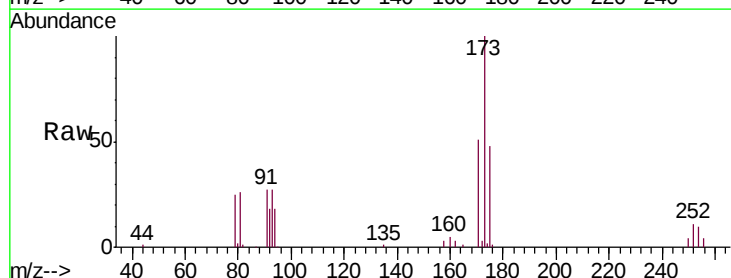
Tgt Ion: 173 Resp: 48450

Ion Ratio Lower Upper

173 100

175 47.6 38.1 57.1

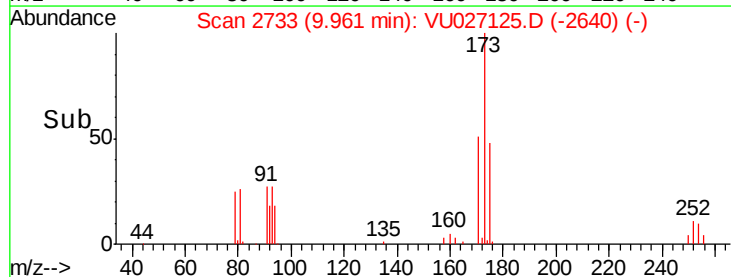
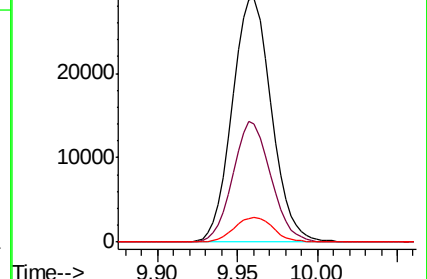
254 10.0 8.0 12.0

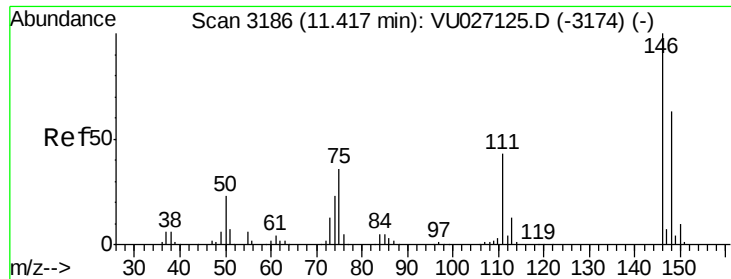


Abundance Ion 173.00 (172.70 to 173.70): VU027125.D (-2721) (-)

Ion 175.00 (174.70 to 175.70): VU027125.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU027125.D (-2721) (-)

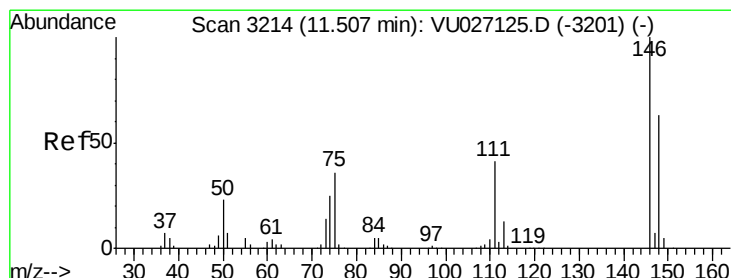
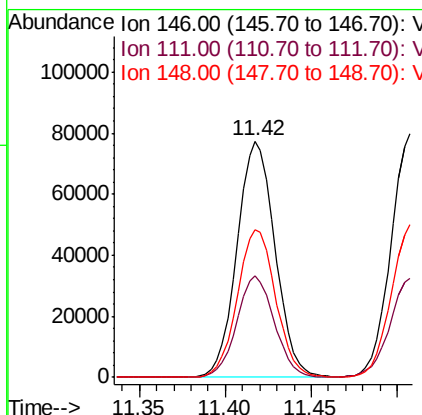
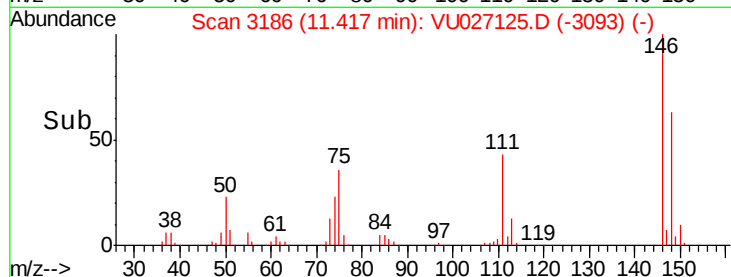
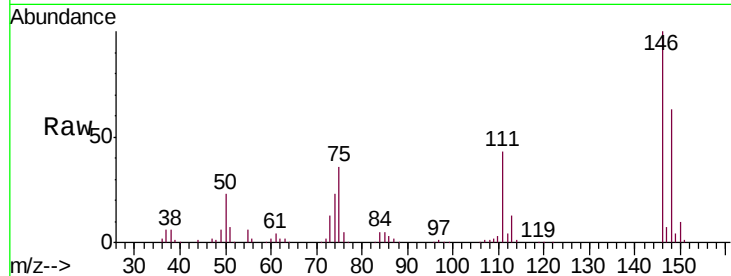




#62
 1,3-Dichlorobenzene
 Concen: 48.369 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027125.D
 Acq: 25 Sep 2018 11:35

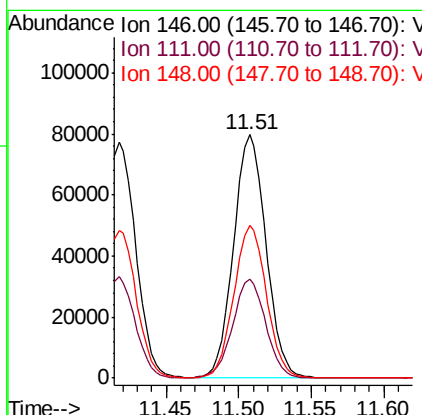
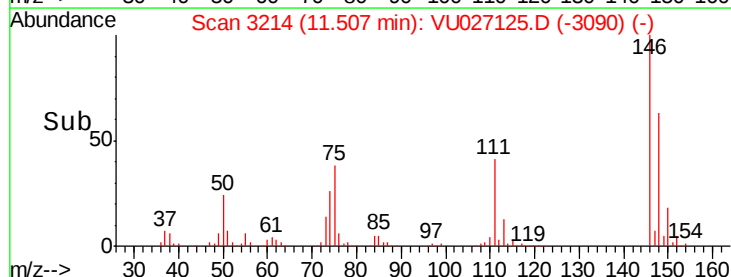
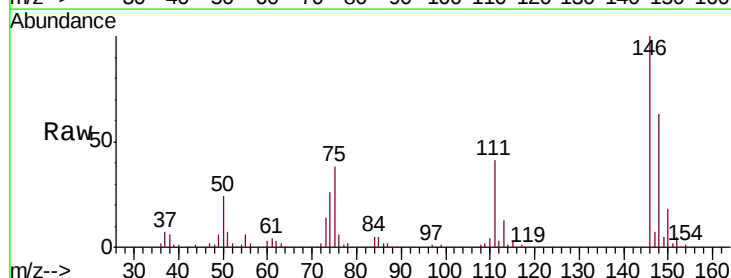
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

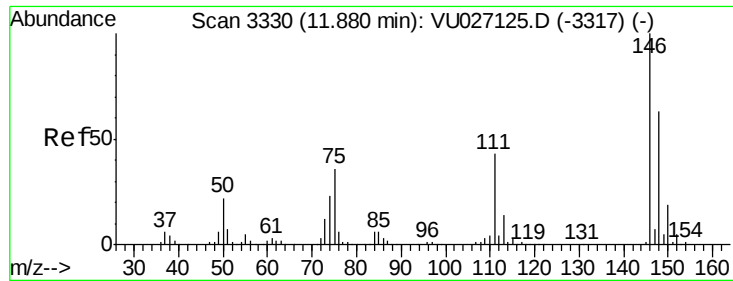
Tgt Ion:146 Resp: 119145
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.0 55.6
 148 62.7 43.9 81.5



#63
 1,4-Dichlorobenzene
 Concen: 47.295 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027125.D
 Acq: 25 Sep 2018 11:35

Tgt Ion:146 Resp: 123605
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.5 52.9
 148 62.6 43.8 81.4





#65

1,2-Dichlorobenzene

Concen: 48.663 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

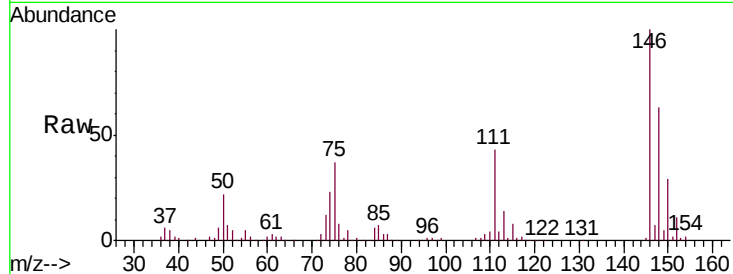
Tgt Ion: 146 Resp: 129465

Ion Ratio Lower Upper

146 100

111 42.9 34.3 51.5

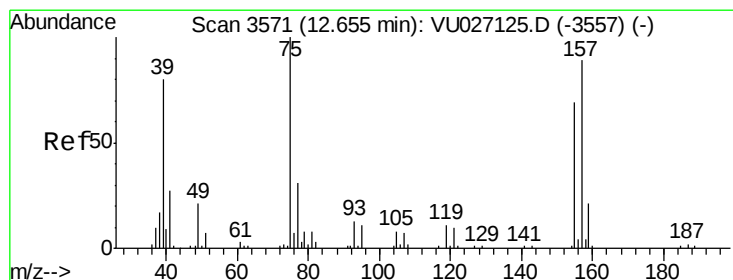
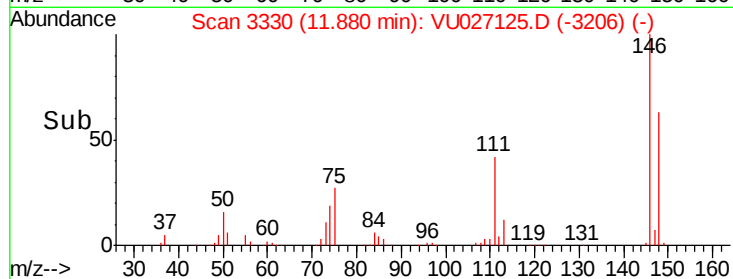
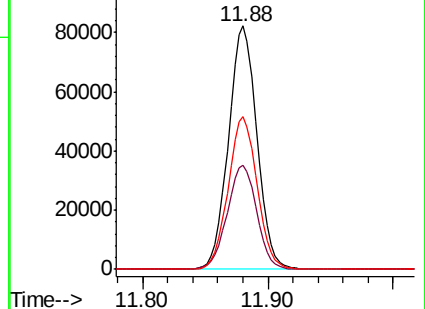
148 62.6 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.896 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

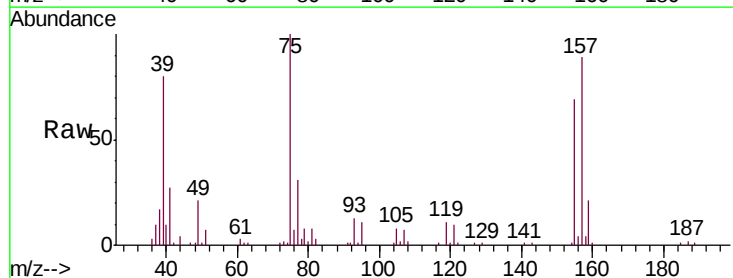
Tgt Ion: 75 Resp: 25858

Ion Ratio Lower Upper

75 100

155 68.6 54.9 82.3

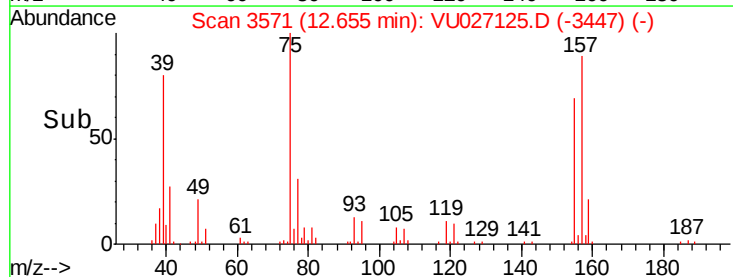
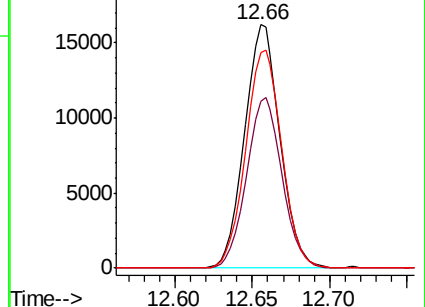
157 88.6 70.9 106.3

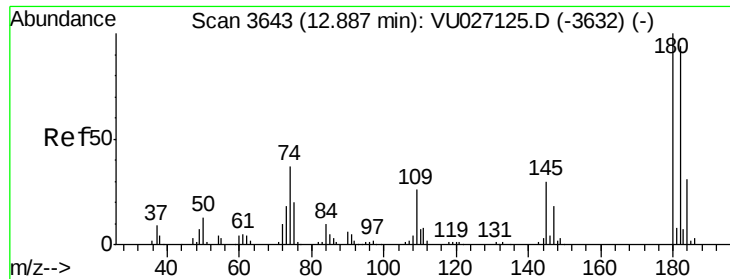


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

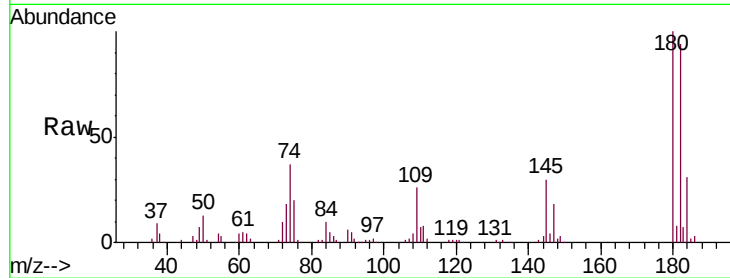




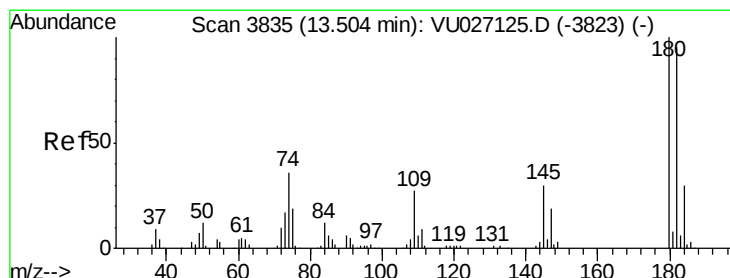
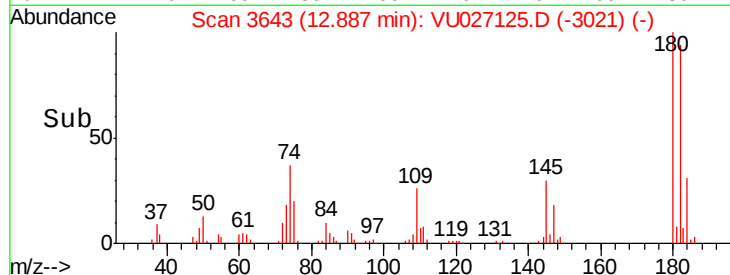
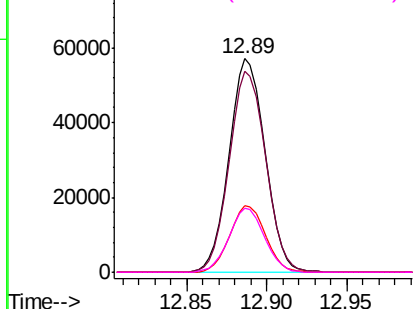
#67
 1,3,5-Trichlorobenzene
 Concen: 48.624 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027125.D
 Acq: 25 Sep 2018 11:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion:180 Resp: 87432
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 184 30.8 24.6 37.0
 145 29.5 23.6 35.4

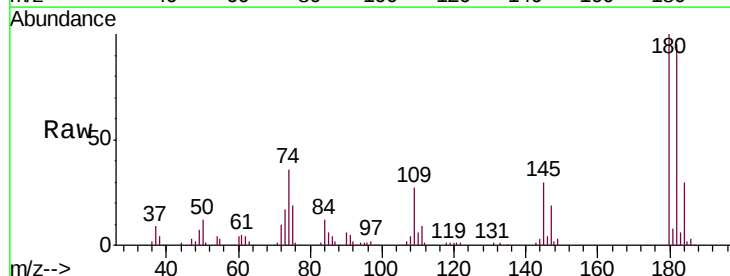


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

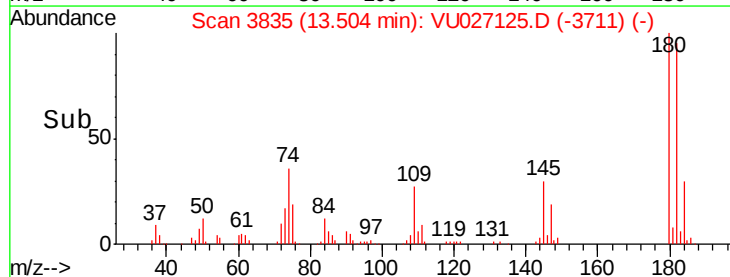
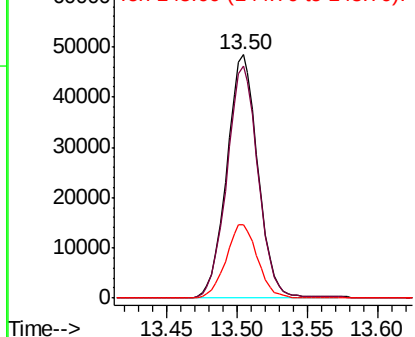


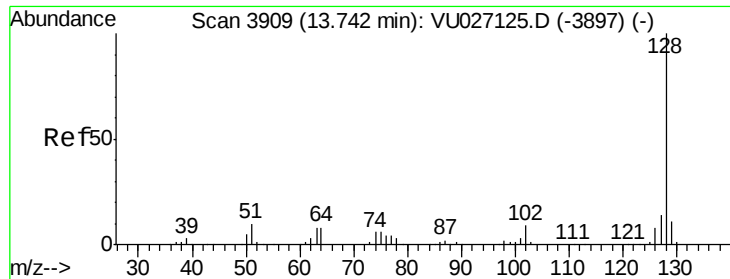
#68
 1,2,4-trichlorobenzene
 Concen: 48.893 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027125.D
 Acq: 25 Sep 2018 11:35

Tgt Ion:180 Resp: 74792
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 145 30.4 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: 51.809 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

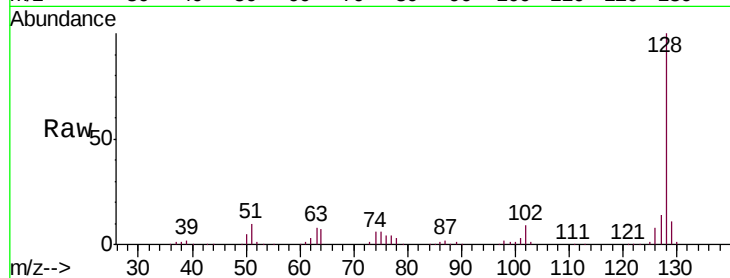
Tgt Ion:128 Resp: 269106

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

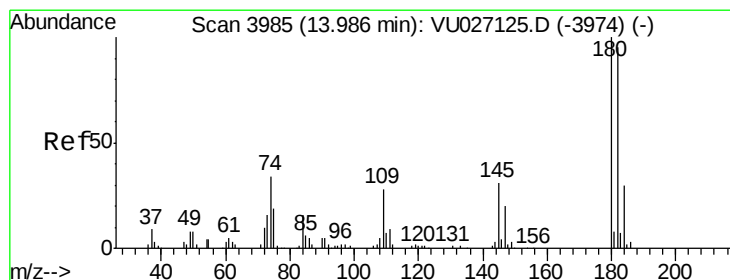
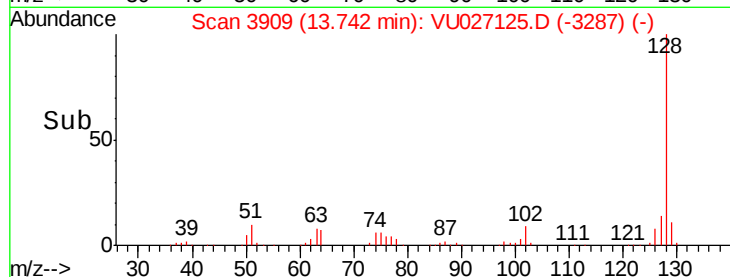
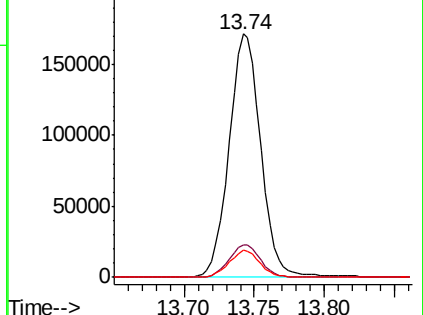
129 10.8 8.6 13.0



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: 49.539 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027125.D

Acq: 25 Sep 2018 11:35

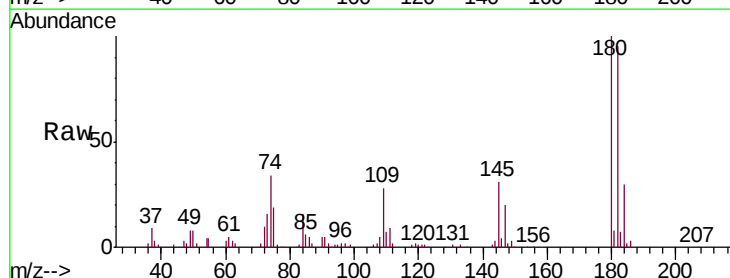
Tgt Ion:180 Resp: 83252

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 32.0 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

