

Data File : VU026888.D
Acq On : 19 Sep 2018 01:19
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Quant Time: Sep 19 07:41:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 07:38:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	252127	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	242893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	124663	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	83230	44.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.26%
7) Chloroethane-d5	1.68	69	74936	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.88%
11) 1,1-Dichloroethene-d2	2.27	63	167178	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.74%
21) 2-Butanone-d5	4.18	46	131367	106.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.14%
24) Chloroform-d	4.65	84	169885	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.31	65	107267	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.48%
32) Benzene-d6	5.34	84	343616	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.96%
36) 1,2-Dichloropropane-d6	6.33	67	110275	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.56%
41) Toluene-d8	7.57	98	313102	50.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.82%
43) trans-1,3-Dichloropropene-	7.85	79	45581	46.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.10%
47) 2-Hexanone-d5	8.31	63	96648	112.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	152041	49.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	128447	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	117858	49.462	ug/L	100
3) Chloromethane	1.33	50	118943	48.937	ug/L	100
5) Vinyl chloride	1.40	62	116747	49.357	ug/L	100
6) Bromomethane	1.62	94	39946	34.192	ug/L	96
8) Chloroethane	1.70	64	72676	49.030	ug/L	100
9) Trichlorofluoromethane	1.88	101	148865	50.653	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	84133	48.327	ug/L	100
12) 1,1-Dichloroethene	2.28	96	80749	49.388	ug/L	98
13) Acetone	2.32	43	94511	77.690	ug/L	100
14) Carbon disulfide	2.48	76	265788	47.107	ug/L	99
15) Methyl Acetate	2.61	43	110973	52.650	ug/L	99
16) Methylene chloride	2.70	84	100885	48.539	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	88944	49.393	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	278216	52.833	ug/L	100
19) 1,1-Dichloroethane	3.45	63	175983	50.669	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	99983	50.483	ug/L	99
22) 2-Butanone	4.26	43	149396	99.584	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	52363	48.967	ug/L	99
25) Chloroform	4.67	83	174046	49.475	ug/L	99
27) 1,2-Dichloroethane	5.40	62	137343	50.031	ug/L	100
29) Cyclohexane	5.00	56	152038	53.910	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	145085	50.209	ug/L	100
31) Carbon tetrachloride	5.14	117	128863	49.764	ug/L	99
33) Benzene	5.39	78	388365	51.572	ug/L	100
34) Trichloroethene	6.19	95	89649	49.610	ug/L	98
35) Methylcyclohexane	6.42	83	153478	52.103	ug/L	99
37) 1,2-Dichloropropane	6.43	63	106157	51.317	ug/L	100
38) Bromodichloromethane	6.76	83	127502	49.701	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	141534	48.434	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	271008	110.255	ug/L	99
42) Toluene	7.64	91	398359	52.273	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	130656	47.753	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	95792	50.791	ug/L	98
46) Tetrachloroethene	8.23	164	80395	50.186	ug/L	98
48) 2-Hexanone	8.36	43	210022	105.926	ug/L	99
49) Dibromochloromethane	8.48	129	104514	48.955	ug/L	96
50) 1,2-Dibromoethane	8.59	107	98686	50.191	ug/L	96
51) Chlorobenzene	9.12	112	257318	49.762	ug/L	99
52) Ethylbenzene	9.25	91	423195	53.014	ug/L	100
53) m,p-Xylene	9.38	106	163551	53.295	ug/L	100
54) o-xylene	9.78	106	162545	54.362	ug/L	95
55) Styrene	9.79	104	282337	54.692	ug/L	100
56) Isopropylbenzene	10.17	105	414273	54.240	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	156744	49.412	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	125651	50.708	ug/L	100
61) Bromoform	9.96	173	77680	47.385	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	193323	50.870	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	204532	48.877	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	210416	50.004	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	30883	48.377	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	151373	51.473	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	130482	51.488	ug/L	100
69) Naphthalene	13.75	128	422247	56.557	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	149441	53.549	ug/L	100

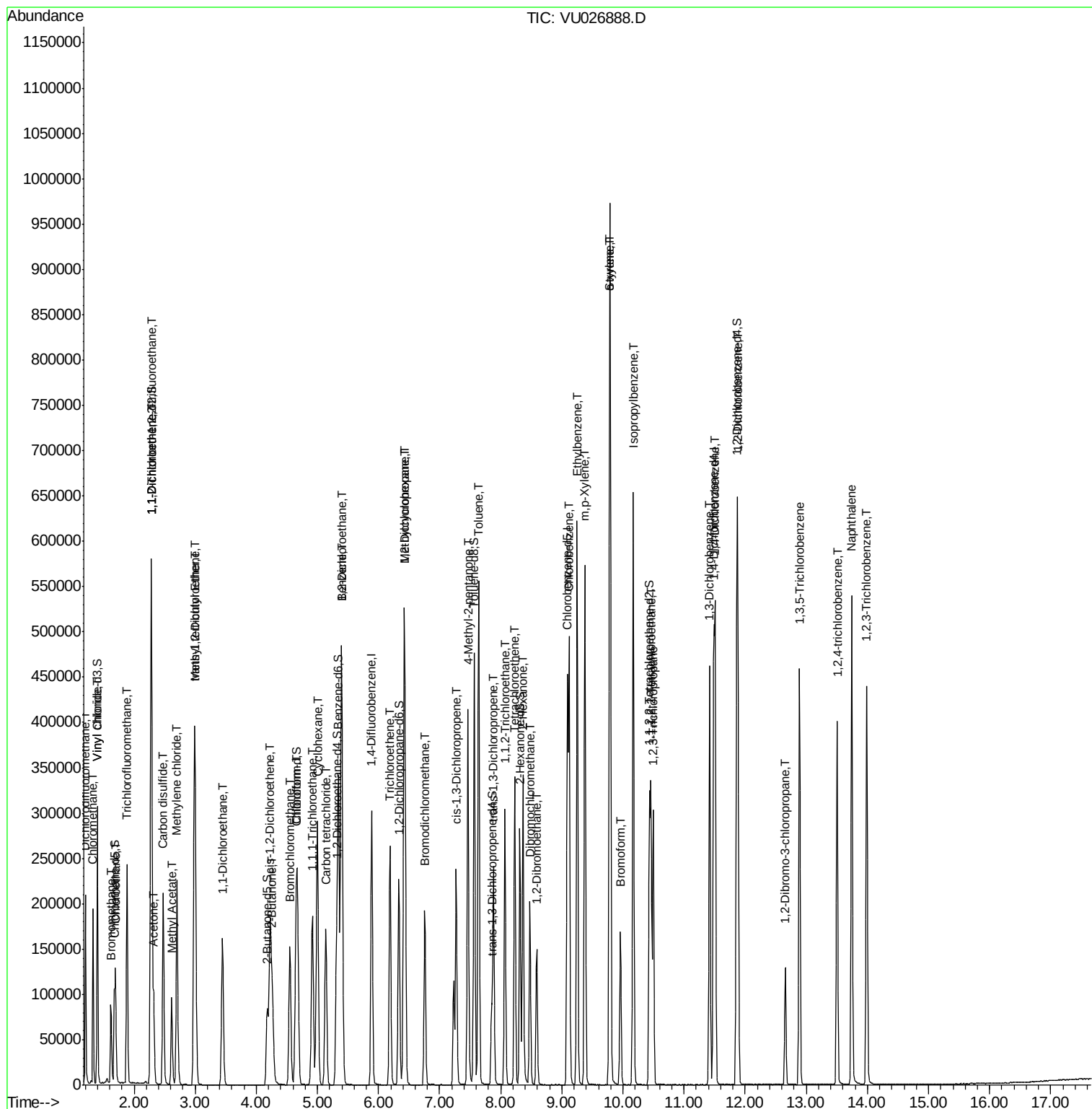
(#) = qualifier out of range (m) = manual integration (+) = signals summed

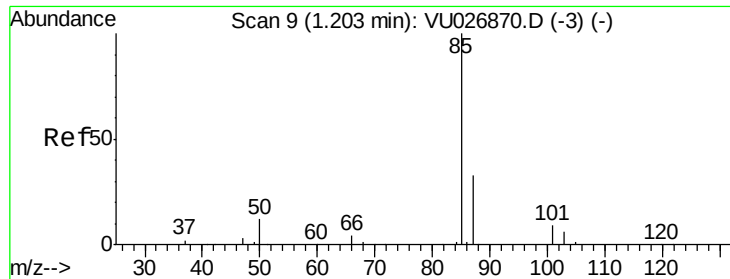
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#2

Dichlorodifluoromethane

Concen: 49.462 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

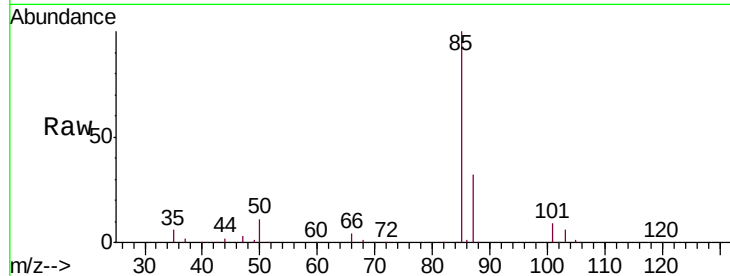
VSTD05048

Tgt Ion: 85 Resp: 117858

Ion Ratio Lower Upper

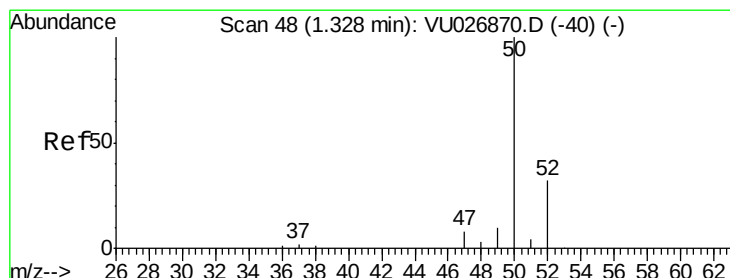
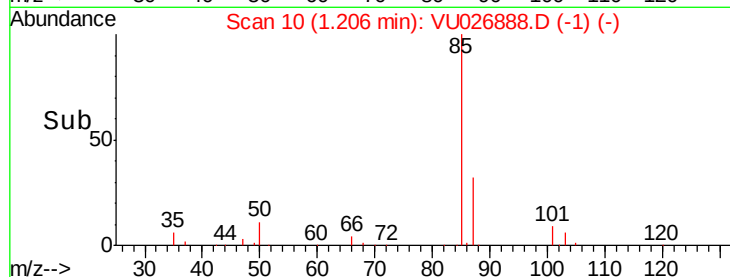
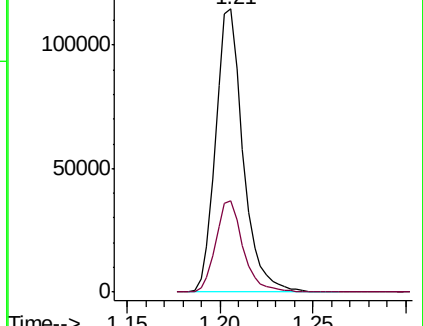
85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 48.937 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026888.D

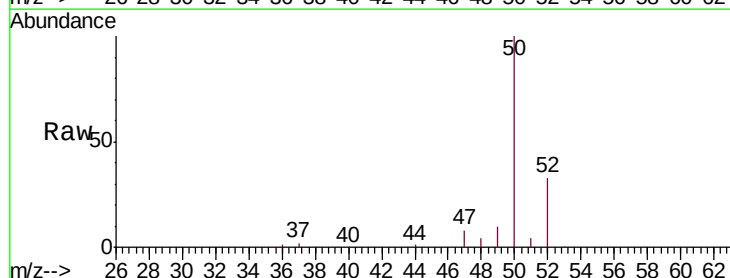
Acq: 19 Sep 2018 01:19

Tgt Ion: 50 Resp: 118943

Ion Ratio Lower Upper

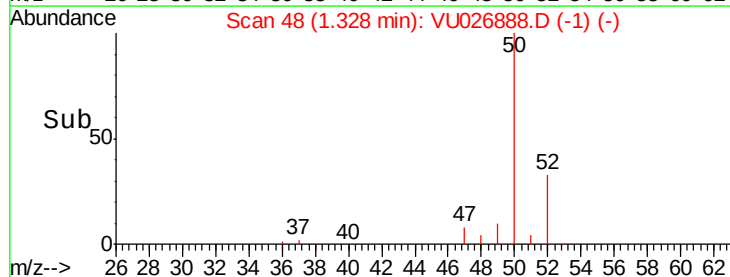
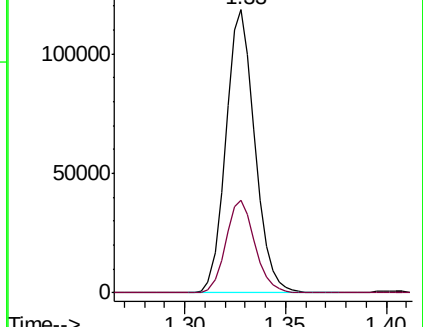
50 100

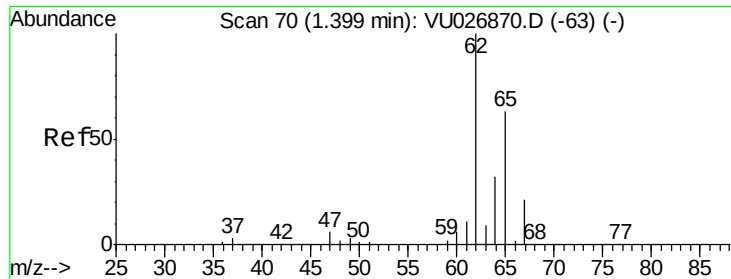
52 32.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.357 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

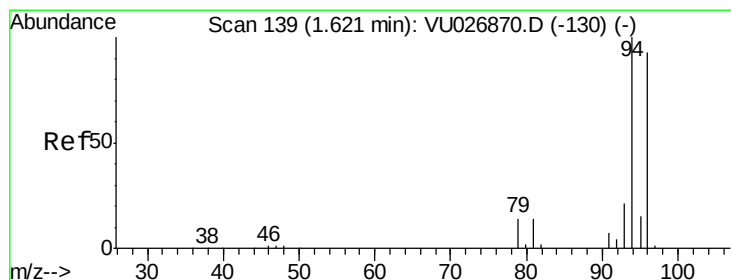
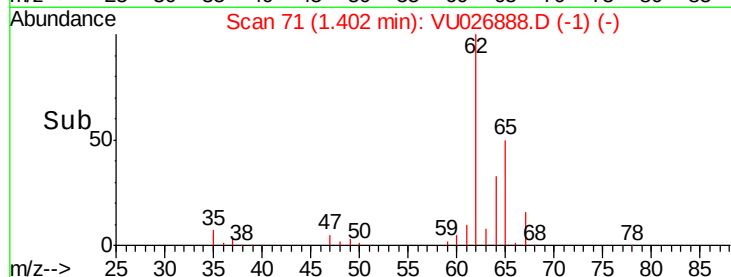
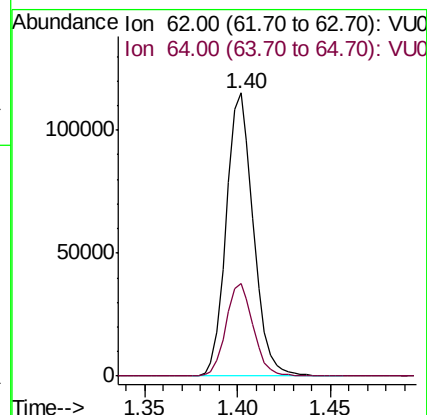
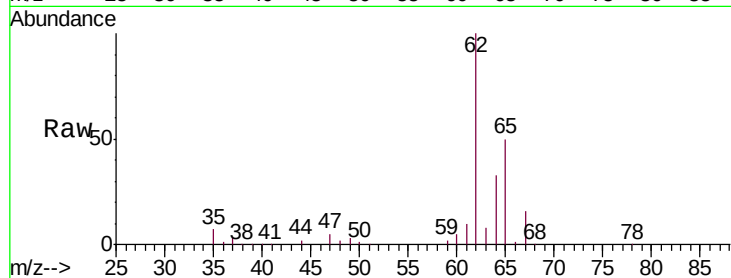
VSTD05048

Tgt Ion: 62 Resp: 116747

Ion Ratio Lower Upper

62 100

64 32.8 22.7 42.3



#6

Bromomethane

Concen: 34.192 ug/L

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU026888.D

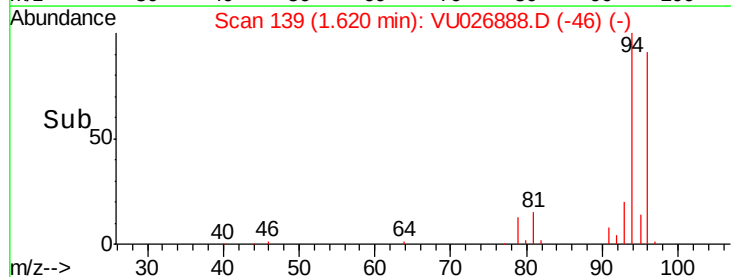
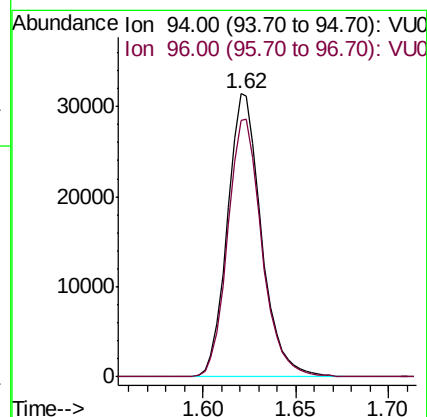
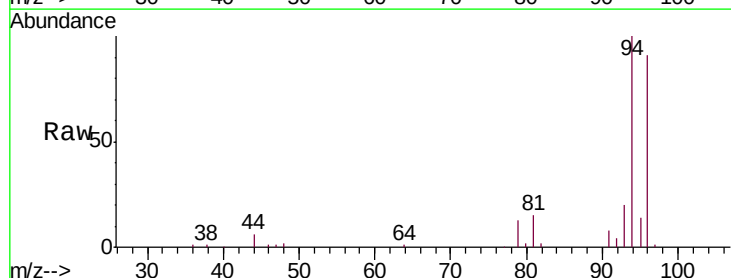
Acq: 19 Sep 2018 01:19

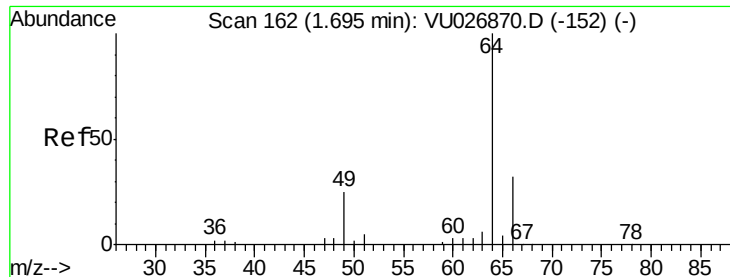
Tgt Ion: 94 Resp: 39946

Ion Ratio Lower Upper

94 100

96 90.7 66.0 122.6





#8

Chloroethane

Concen: 49.030 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

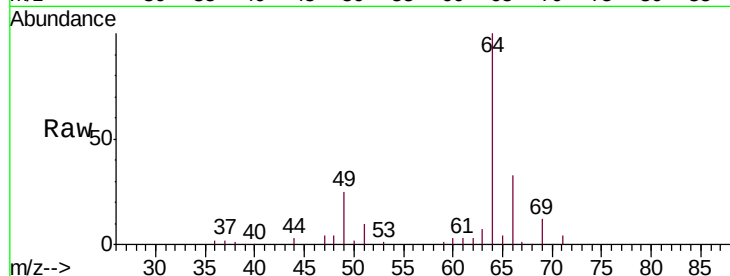
VSTD05048

Tgt Ion: 64 Resp: 72676

Ion Ratio Lower Upper

64 100

66 33.0 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.70

60000

50000

40000

30000

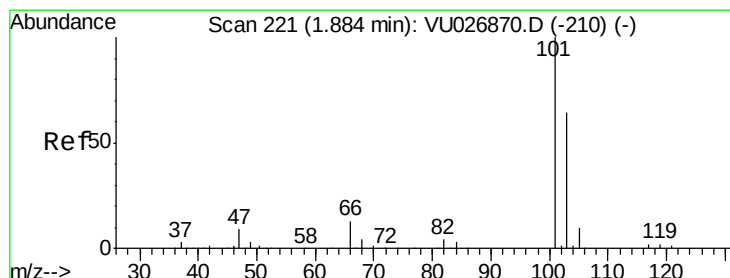
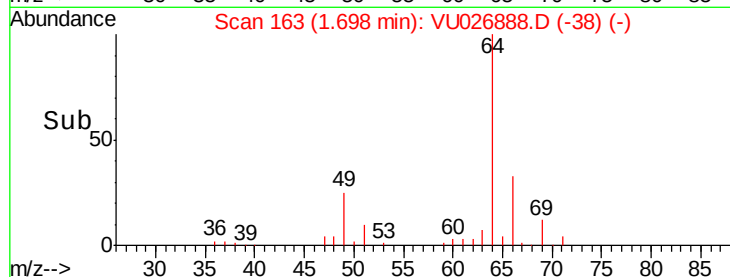
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 50.653 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026888.D

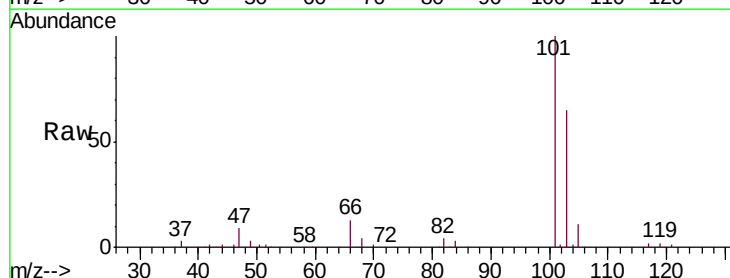
Acq: 19 Sep 2018 01:19

Tgt Ion: 101 Resp: 148865

Ion Ratio Lower Upper

101 100

103 64.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

120000

100000

80000

60000

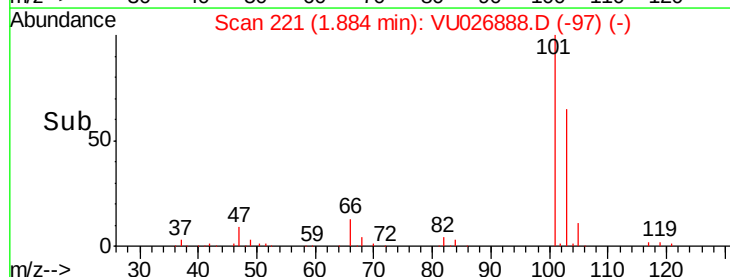
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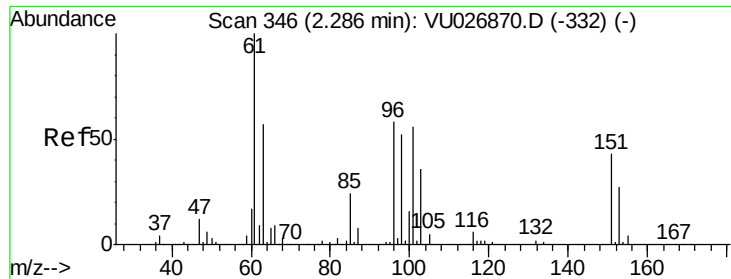
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 48.327 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

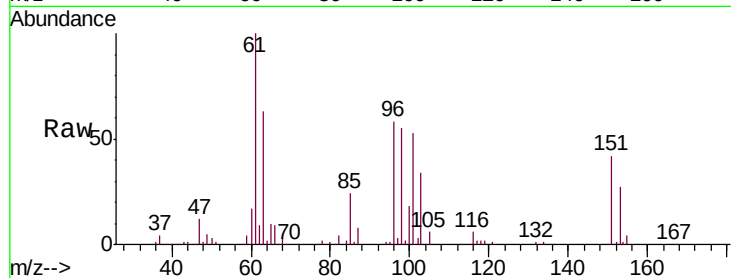
Tgt Ion: 101 Resp: 84133

Ion Ratio Lower Upper

101 100

85 43.8 34.6 52.0

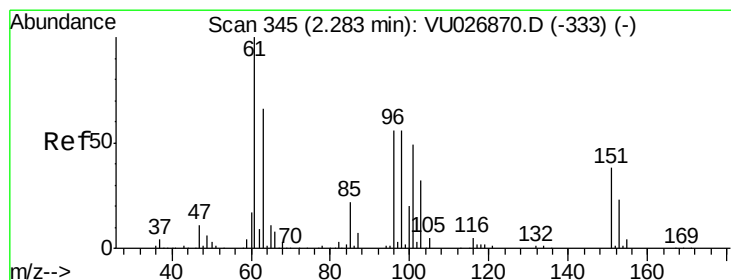
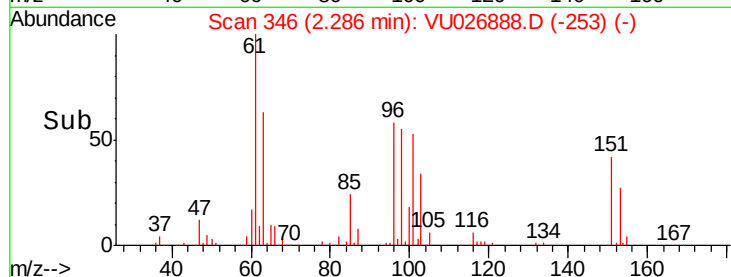
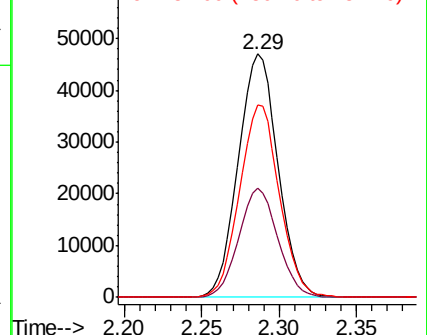
151 79.0 63.0 94.4



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: 49.388 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

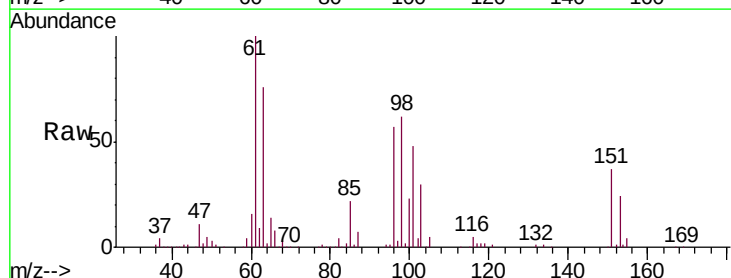
Tgt Ion: 96 Resp: 80749

Ion Ratio Lower Upper

96 100

61 176.1 124.0 230.4

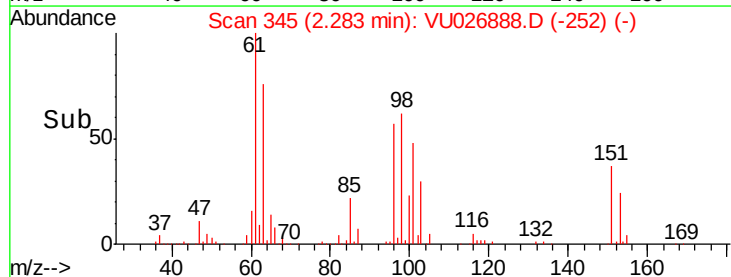
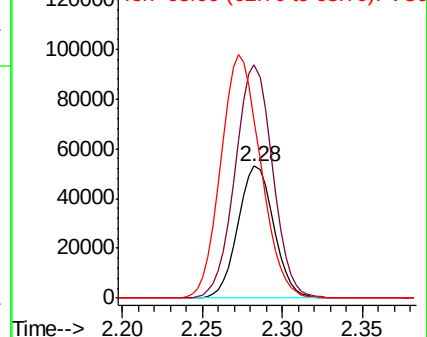
63 134.4 97.7 181.5

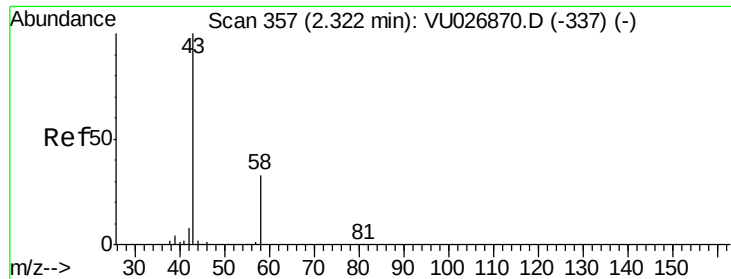


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 77.690 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

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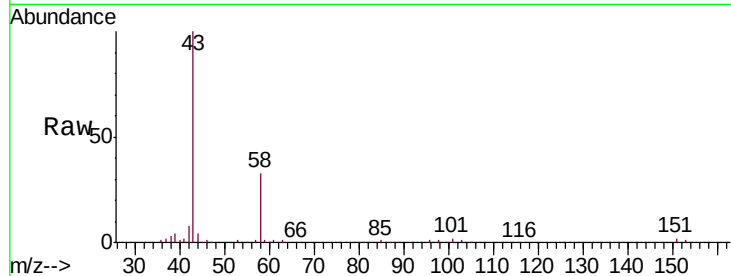
VSTD05048

Tgt Ion: 43 Resp: 94511

Ion Ratio Lower Upper

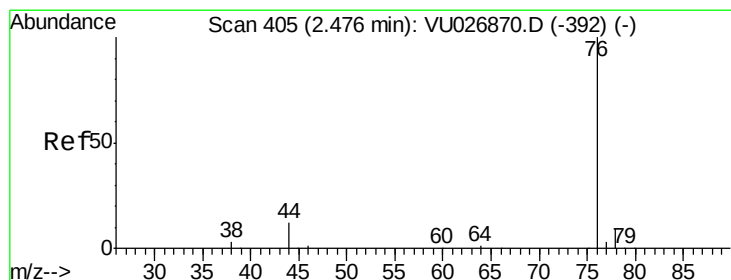
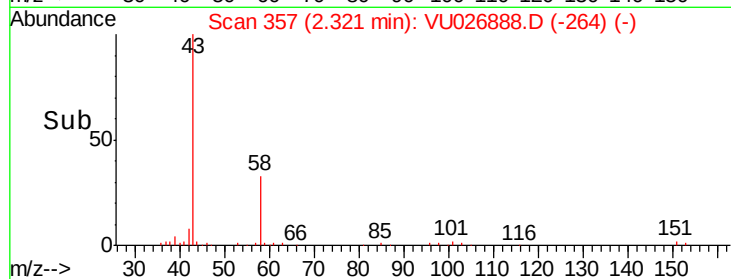
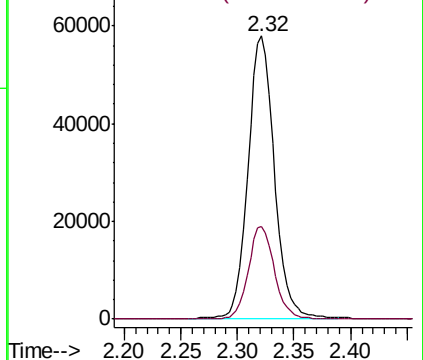
43 100

58 32.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU026870.D (-337) (-)

Ion 58.00 (57.70 to 58.70): VU026870.D (-337) (-)



#14

Carbon disulfide

Concen: 47.107 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026888.D

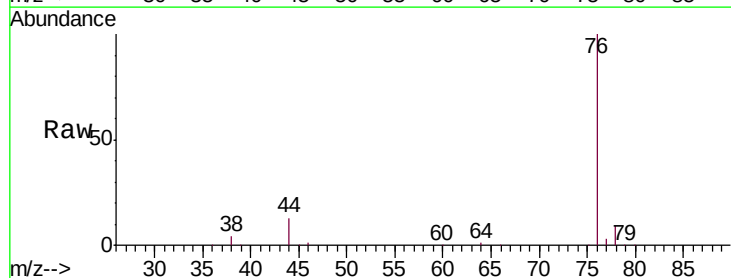
Acq: 19 Sep 2018 01:19

Tgt Ion: 76 Resp: 265788

Ion Ratio Lower Upper

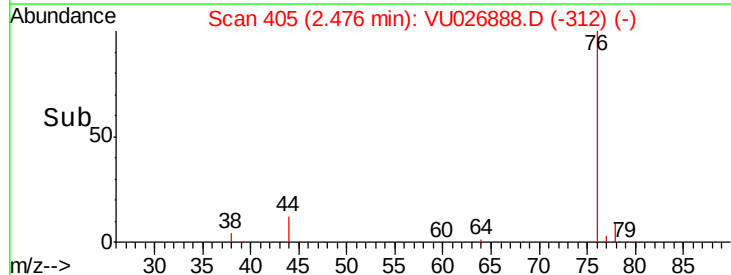
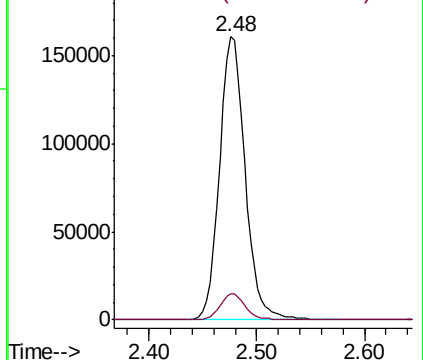
76 100

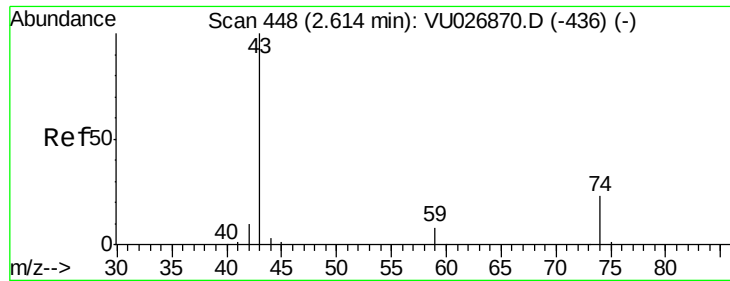
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU026870.D (-392) (-)

Ion 78.00 (77.70 to 78.70): VU026870.D (-392) (-)





#15

Methyl Acetate

Concen: 52.650 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

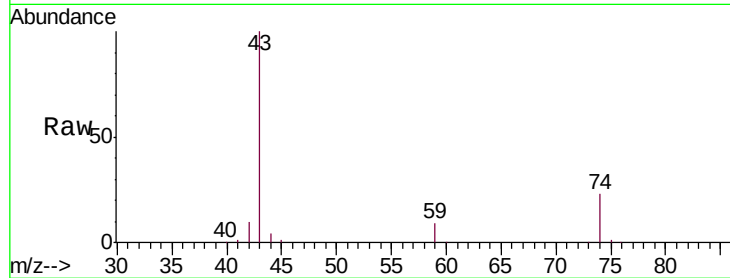
VSTD05048

Tgt Ion: 43 Resp: 110973

Ion Ratio Lower Upper

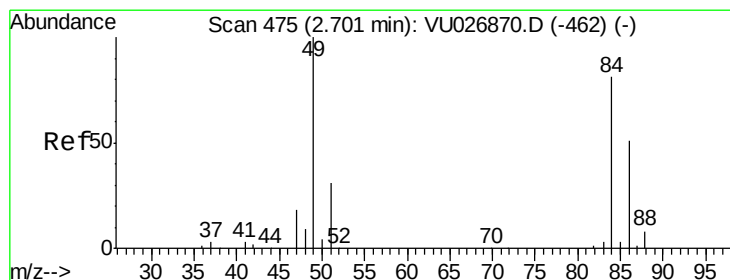
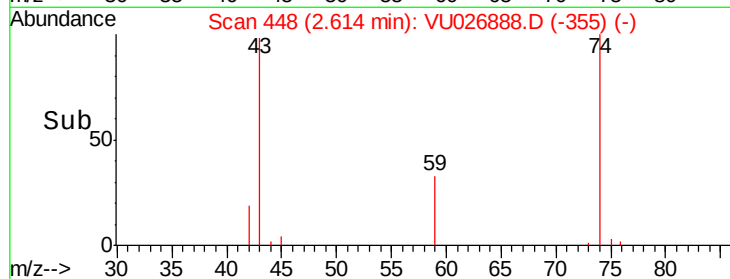
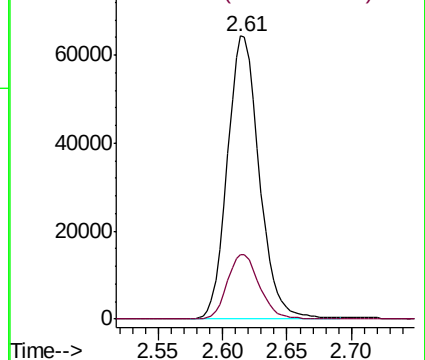
43 100

74 22.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 48.539 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

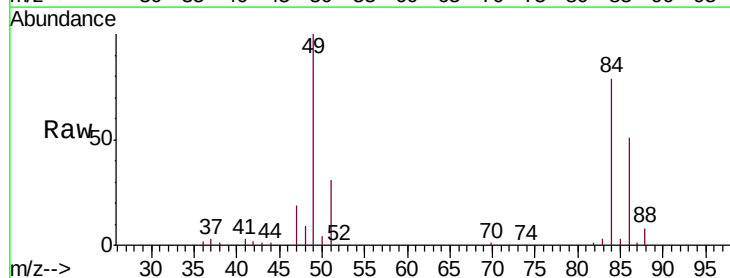
Tgt Ion: 84 Resp: 100885

Ion Ratio Lower Upper

84 100

86 64.4 45.3 84.1

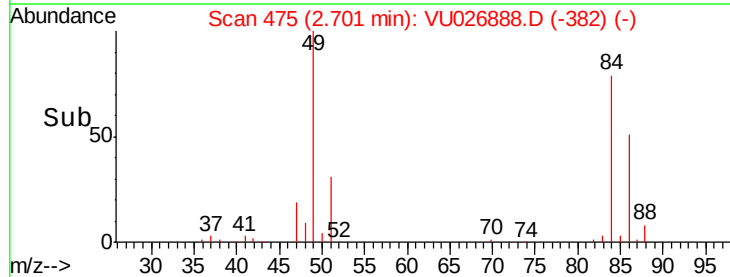
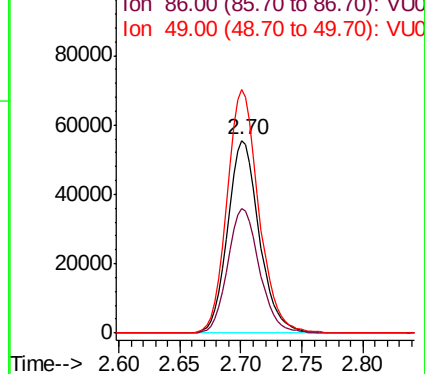
49 126.2 86.2 160.2

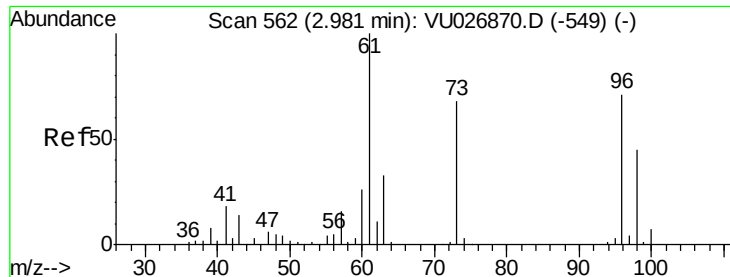


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 49.393 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

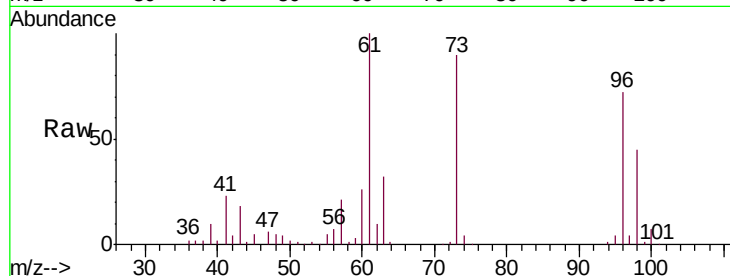
Tgt Ion: 96 Resp: 88944

Ion Ratio Lower Upper

96 100

61 138.9 98.7 183.3

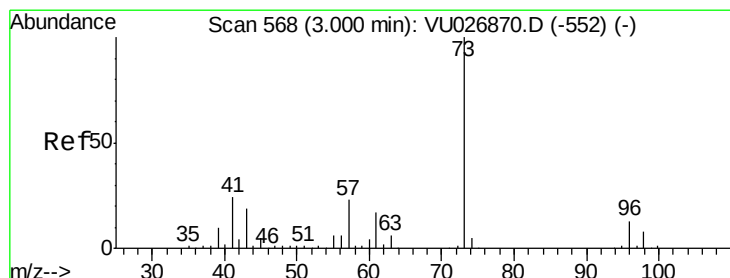
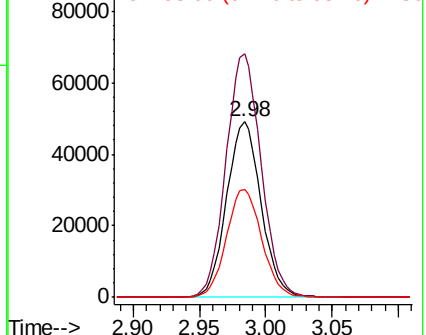
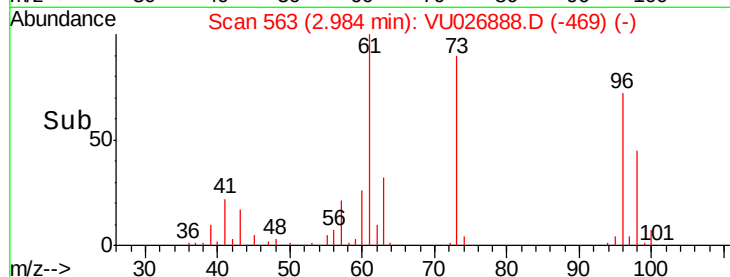
98 61.9 45.2 84.0



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: 52.833 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

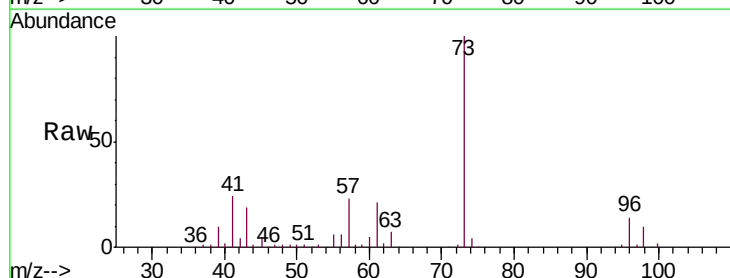
Tgt Ion: 73 Resp: 278216

Ion Ratio Lower Upper

73 100

43 19.1 15.3 22.9

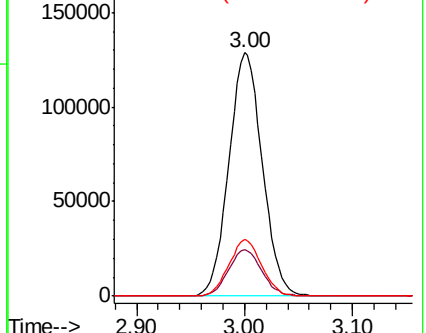
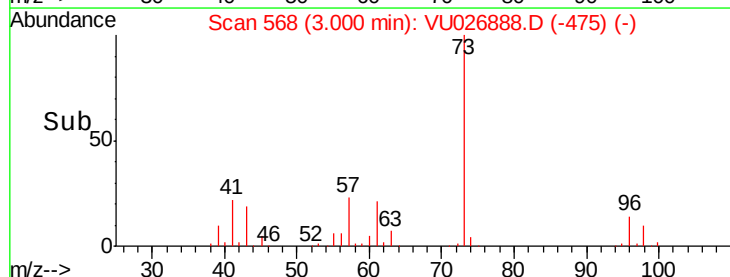
57 22.7 18.1 27.1

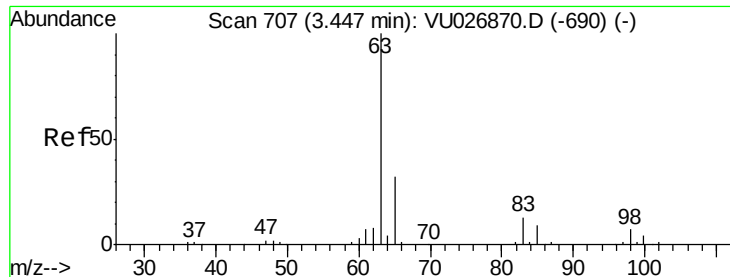


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

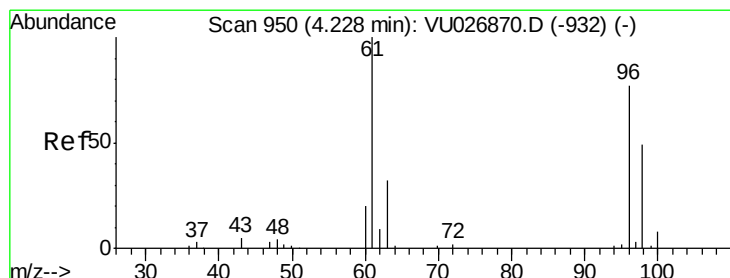
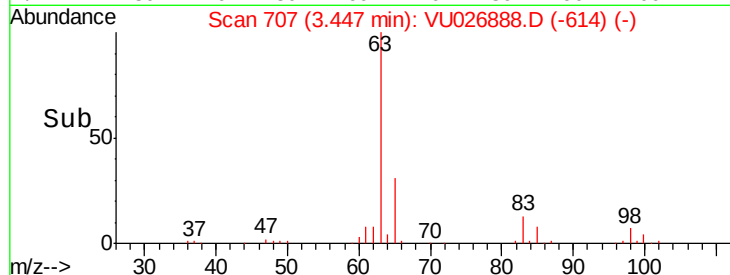
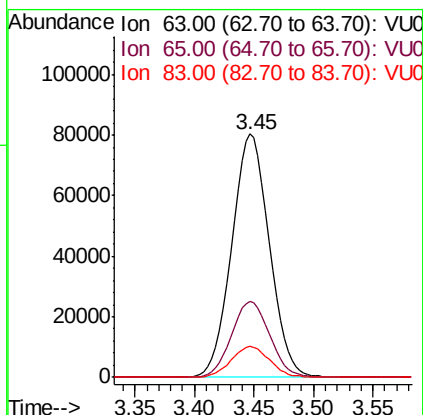
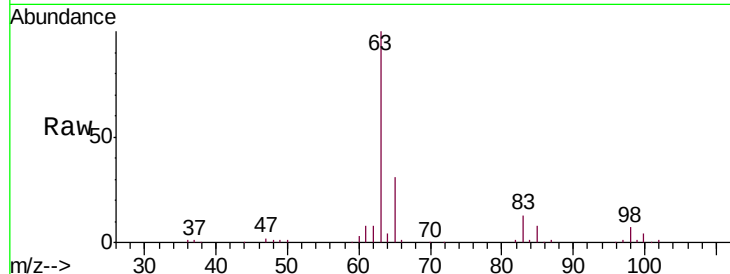




#19
 1,1-Dichloroethane
 Concen: 50.669 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026888.D
 Acq: 19 Sep 2018 01:19

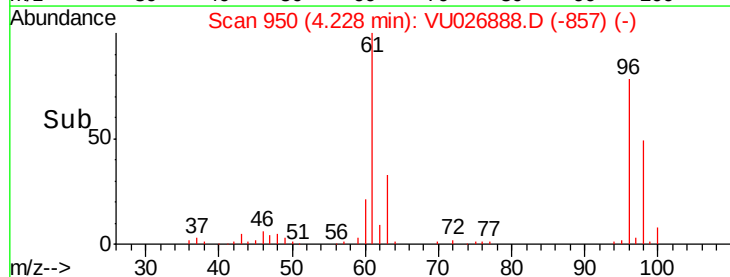
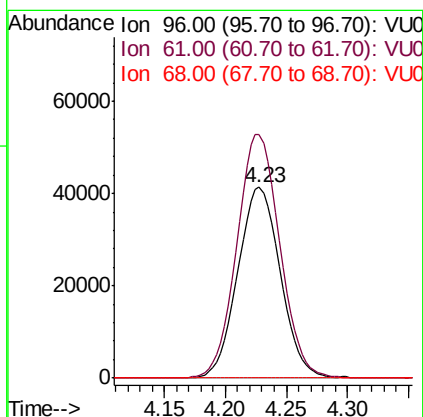
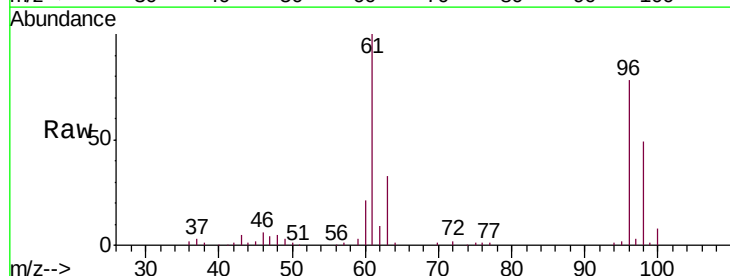
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

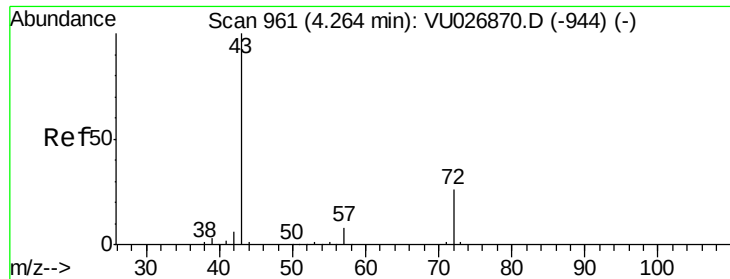
Tgt Ion: 63 Resp: 175983
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.1 41.1
 83 12.7 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 50.483 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026888.D
 Acq: 19 Sep 2018 01:19

Tgt Ion: 96 Resp: 99983
 Ion Ratio Lower Upper
 96 100
 61 127.7 90.2 167.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.584 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

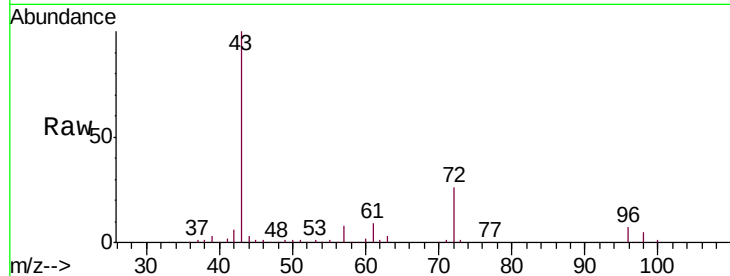
VSTD05048

Tgt Ion: 43 Resp: 149396

Ion Ratio Lower Upper

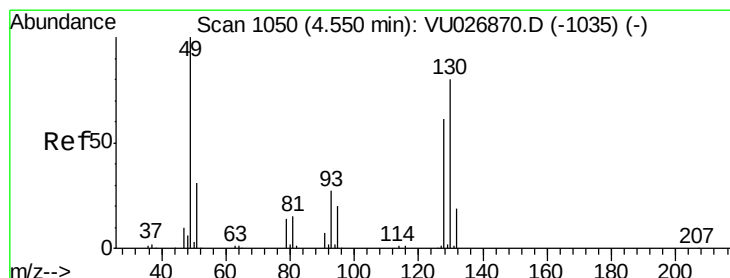
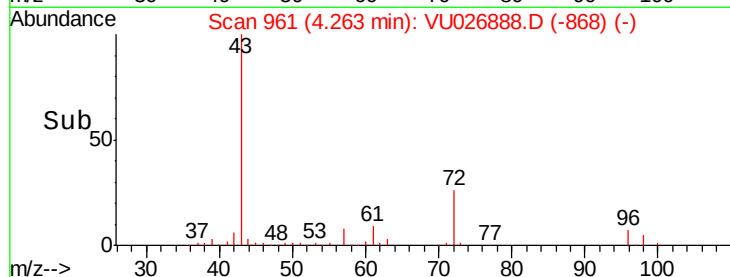
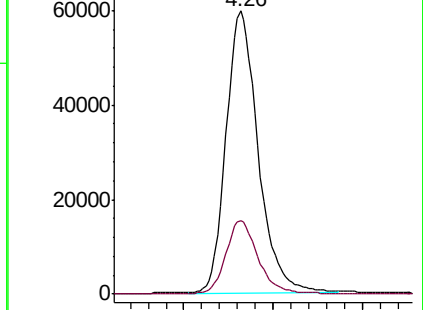
43 100

72 25.9 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU026888.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU026888.D (-868) (-)



#23

Bromochloromethane

Concen: 48.967 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Tgt Ion: 128 Resp: 52363

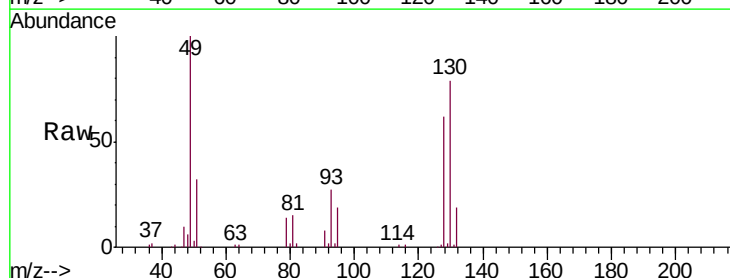
Ion Ratio Lower Upper

128 100

49 162.5 113.0 209.8

130 129.2 89.7 166.5

51 52.1 39.7 59.5

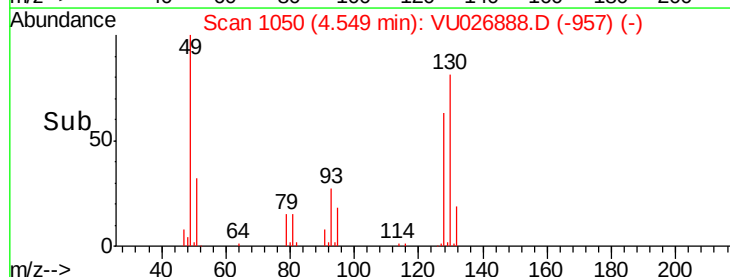
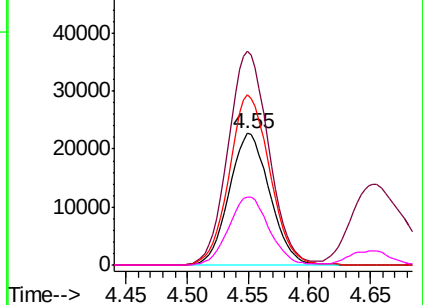


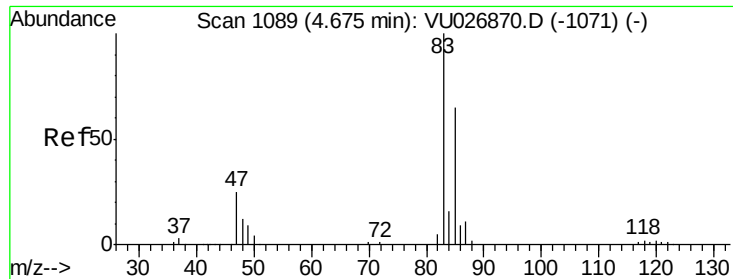
Abundance Ion 128.00 (127.70 to 128.70): VU026888.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU026888.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU026888.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU026888.D (-957) (-)

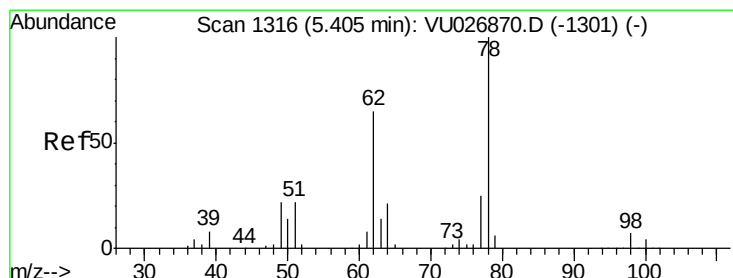
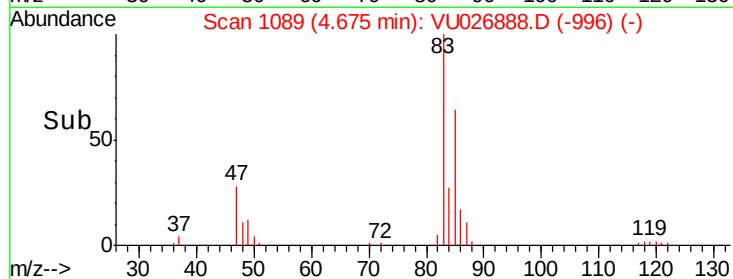
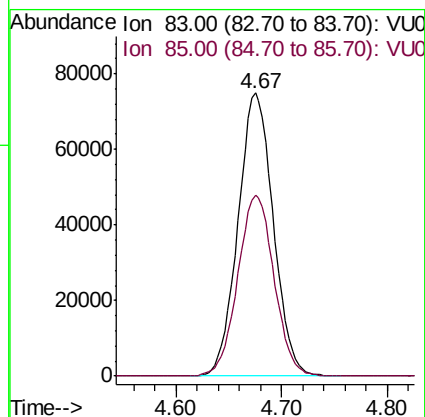
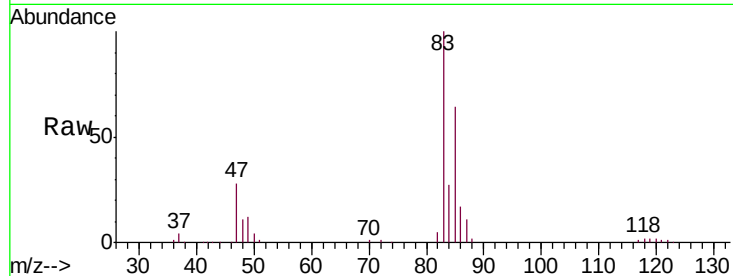




#25
Chloroform
Concen: 49.475 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

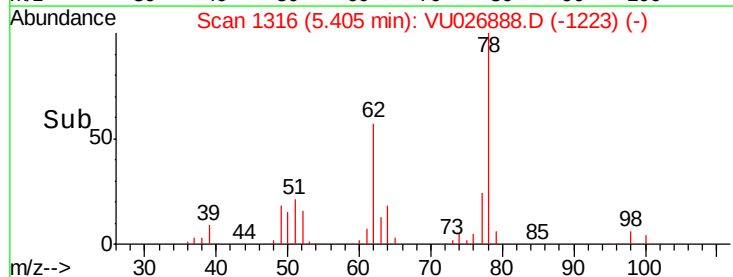
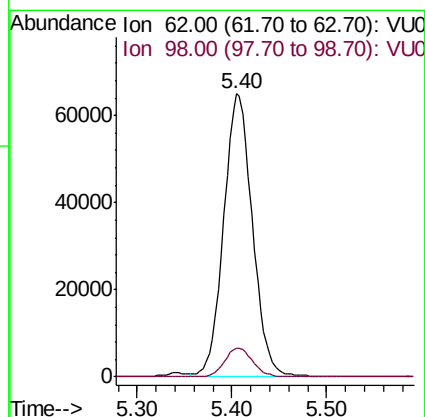
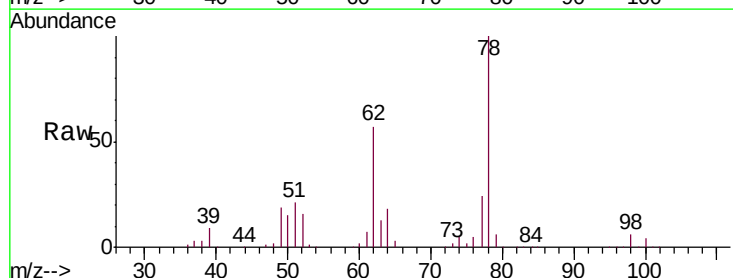
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

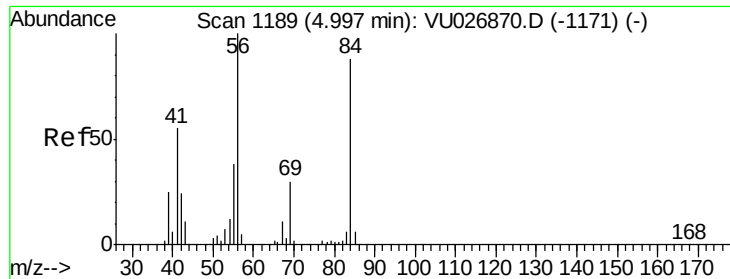
Tgt Ion: 83 Resp: 174046
Ion Ratio Lower Upper
83 100
85 64.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 50.031 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

Tgt Ion: 62 Resp: 137343
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.4

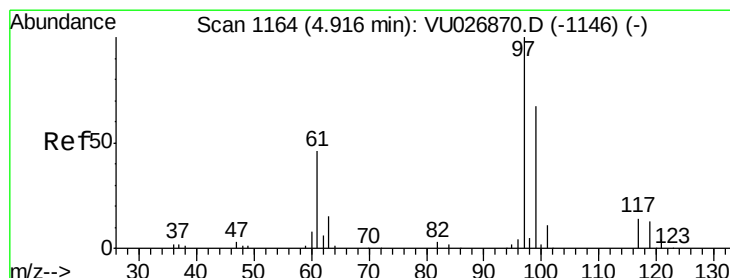
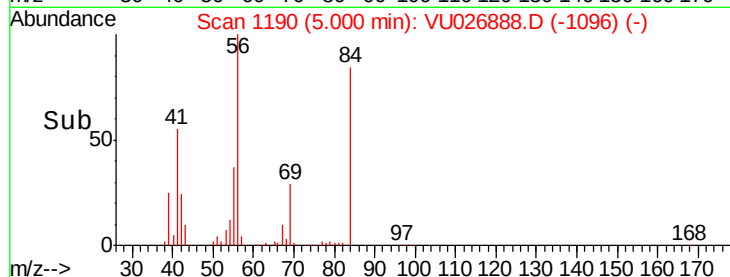
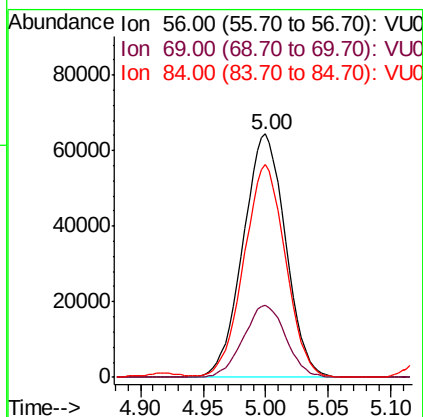
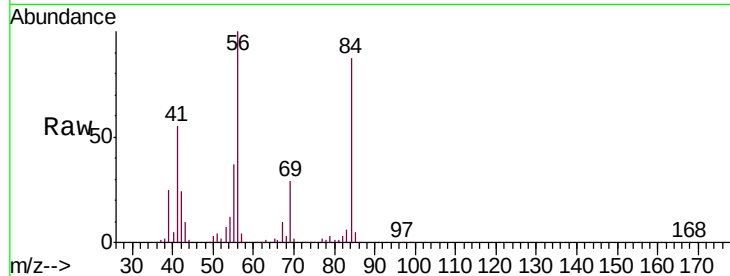




#29
Cyclohexane
Concen: 53.910 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

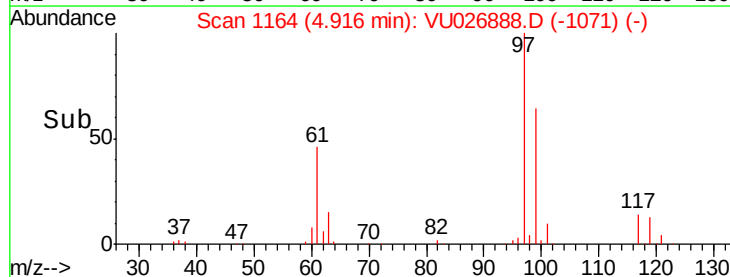
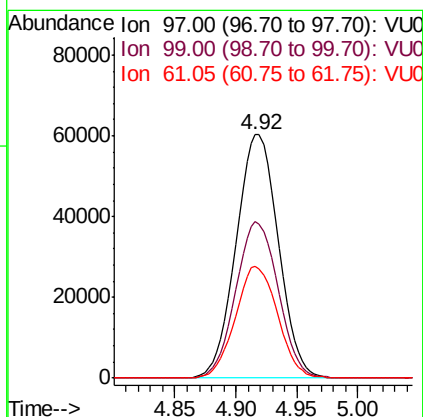
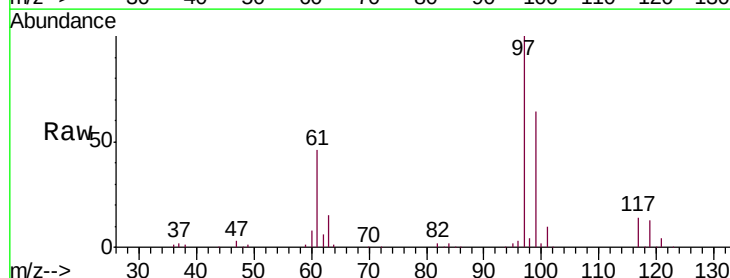
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

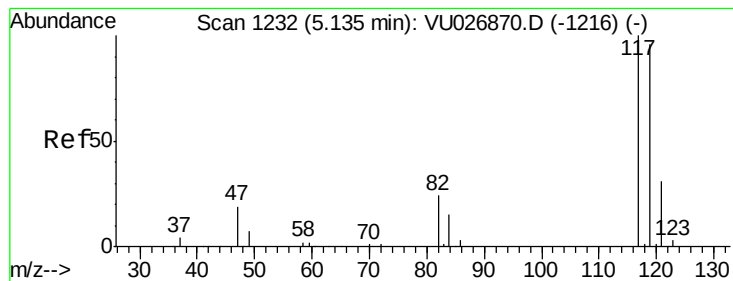
Tgt Ion: 56 Resp: 152038
Ion Ratio Lower Upper
56 100
69 29.6 23.7 35.5
84 85.8 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 50.209 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

Tgt Ion: 97 Resp: 145085
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.8
61 45.8 36.6 54.8





#31

Carbon tetrachloride

Concen: 49.764 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

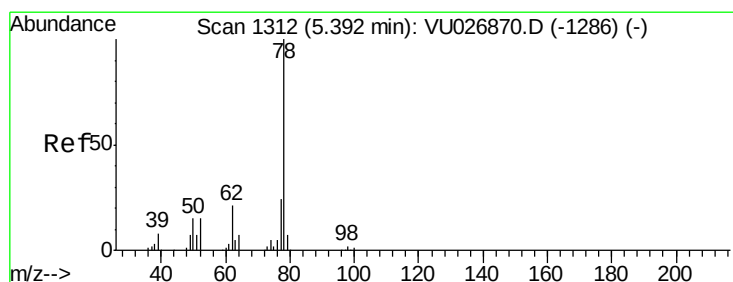
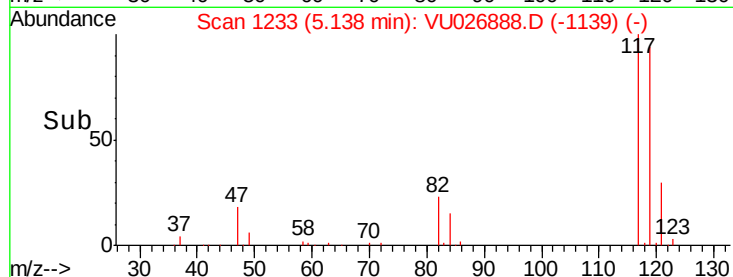
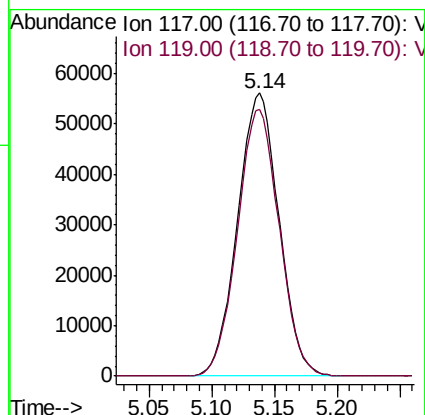
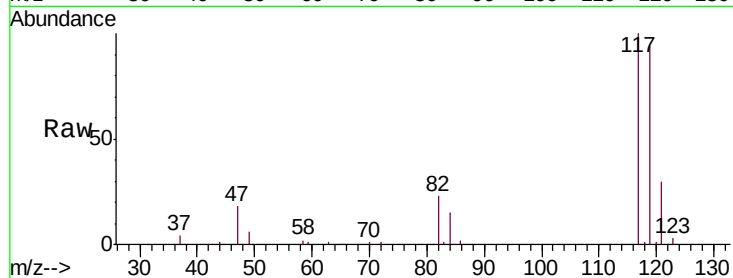
VSTD05048

Tgt Ion:117 Resp: 128863

Ion Ratio Lower Upper

117 100

119 94.9 76.3 114.5



#33

Benzene

Concen: 51.572 ug/L

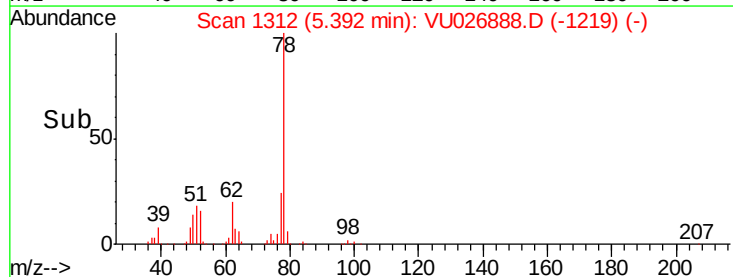
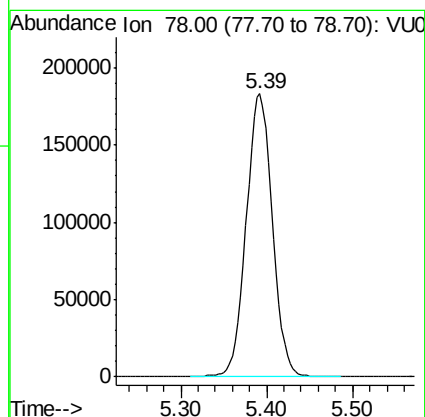
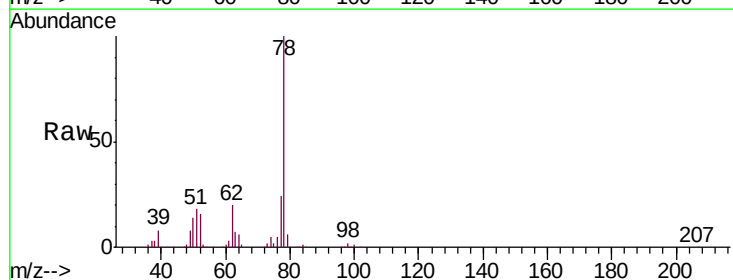
RT: 5.39 min Scan# 1312

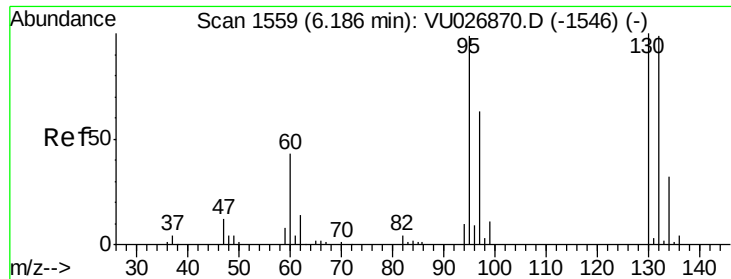
Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Tgt Ion: 78 Resp: 388365





#34

Trichloroethene

Concen: 49.610 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 95 Resp: 89649

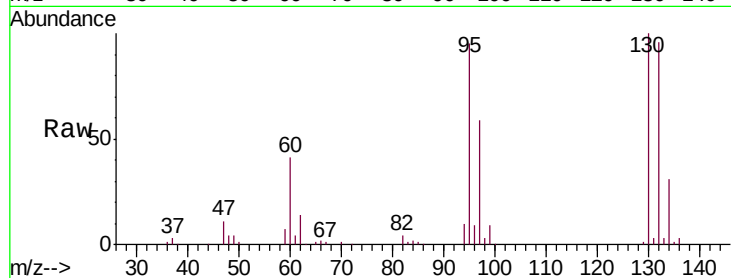
Ion Ratio Lower Upper

95 100

97 62.5 46.3 85.9

132 101.0 71.7 133.1

130 105.6 75.3 139.8

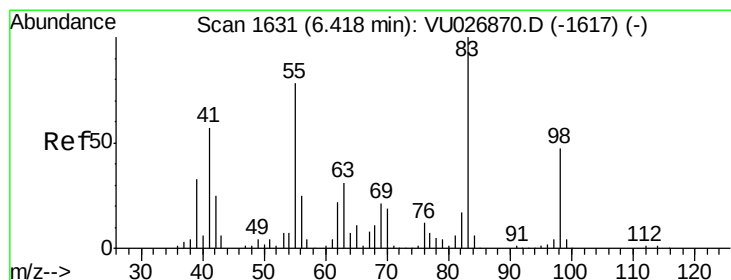
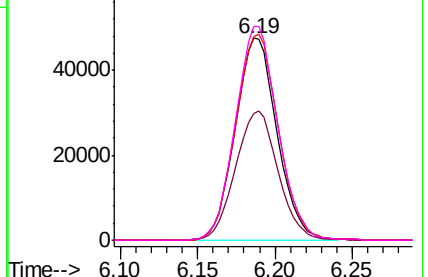
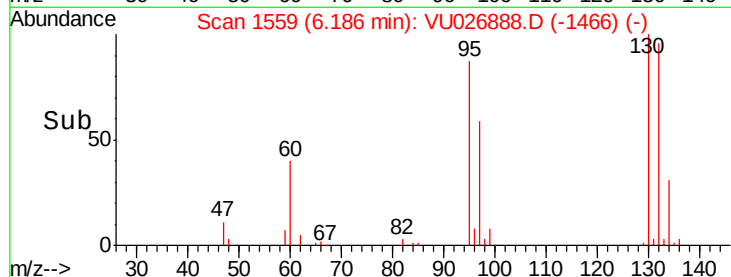


Abundance Ion 95.00 (94.70 to 95.70): VU026888.D (-1546) (-)

Ion 97.00 (96.70 to 97.70): VU026888.D (-1546) (-)

Ion 132.00 (131.70 to 132.70): VU026888.D (-1546) (-)

Ion 130.00 (129.70 to 130.70): VU026888.D (-1546) (-)



#35

Methylcyclohexane

Concen: 52.103 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

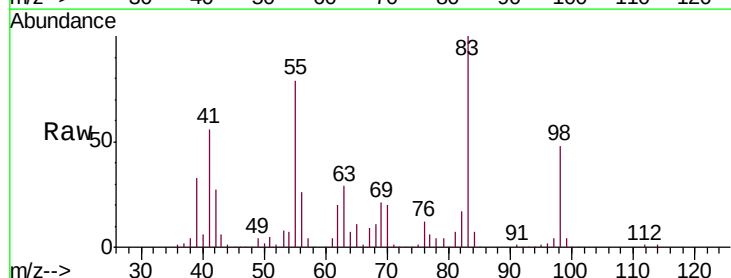
Tgt Ion: 83 Resp: 153478

Ion Ratio Lower Upper

83 100

55 78.4 61.7 92.5

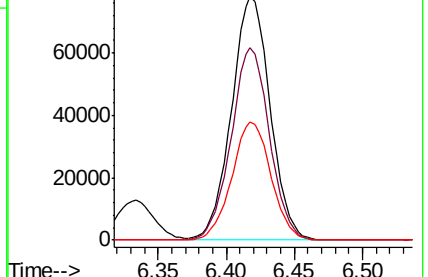
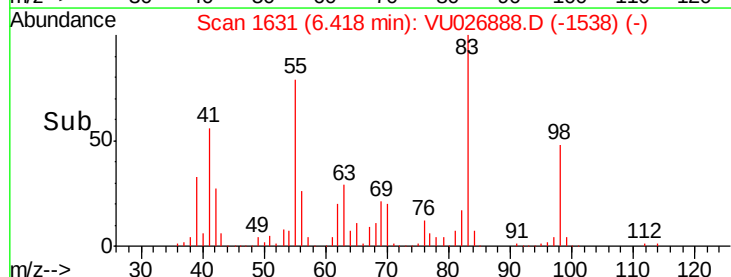
98 48.9 38.3 57.5

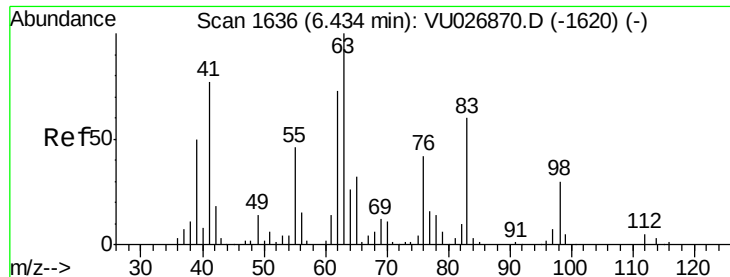


Abundance Ion 83.00 (82.70 to 83.70): VU026888.D (-1538) (-)

Ion 55.00 (54.70 to 55.70): VU026888.D (-1538) (-)

Ion 98.00 (97.70 to 98.70): VU026888.D (-1538) (-)

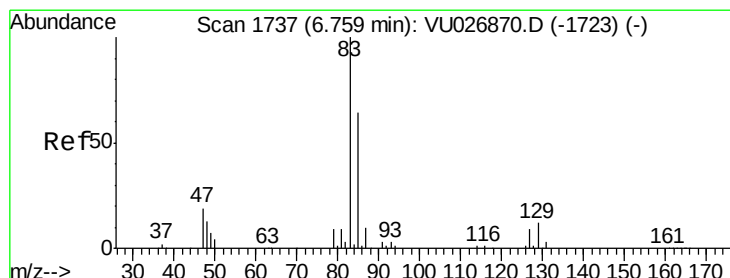
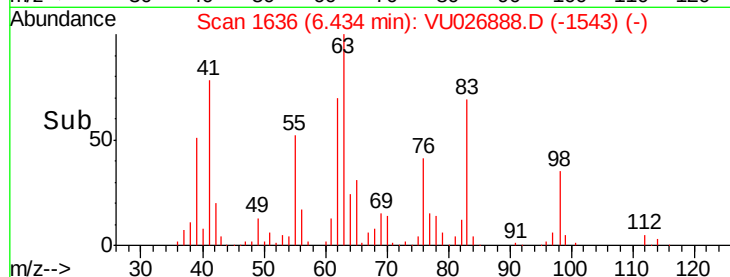
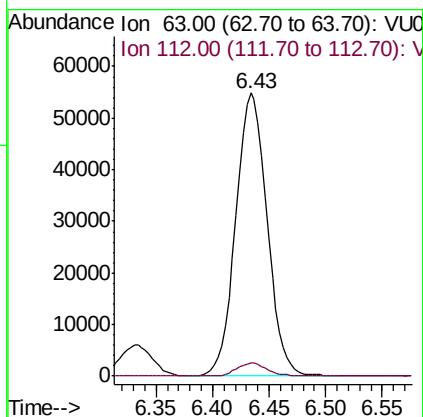
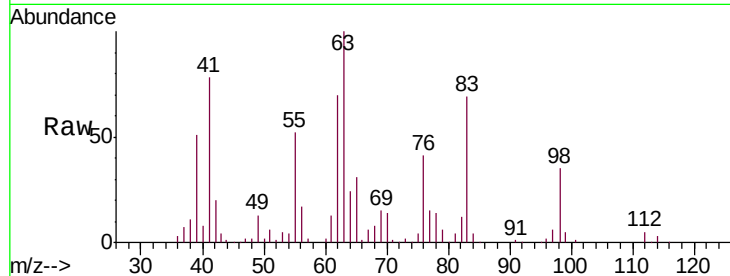




#37
 1,2-Dichloropropane
 Concen: 51.317 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026888.D
 Acq: 19 Sep 2018 01:19

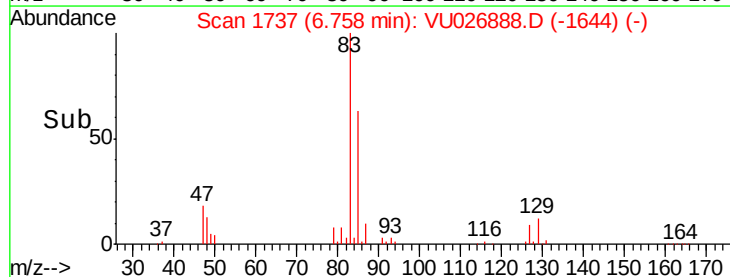
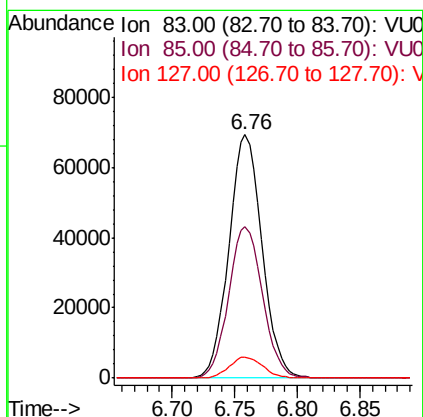
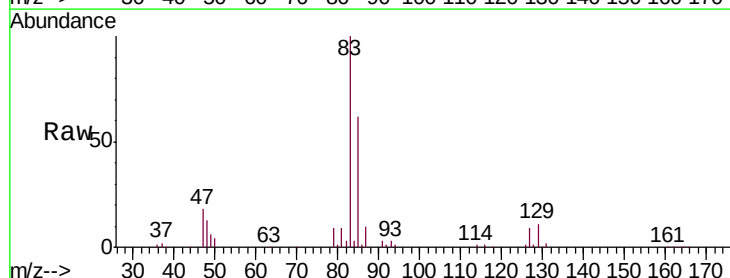
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

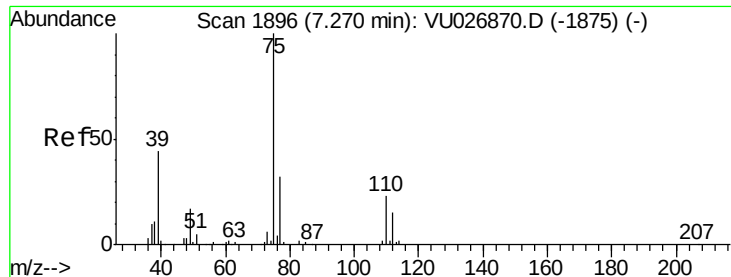
Tgt Ion: 63 Resp: 106157
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 49.701 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026888.D
 Acq: 19 Sep 2018 01:19

Tgt Ion: 83 Resp: 127502
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.5 82.7
 127 8.7 6.9 10.3



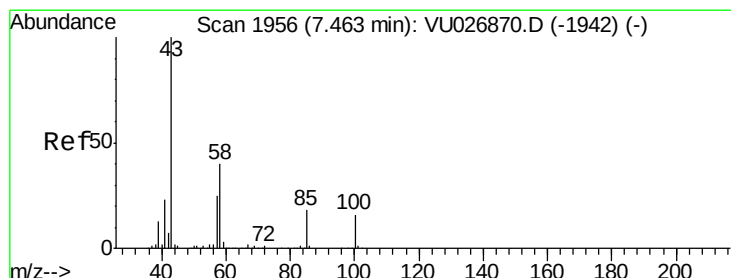
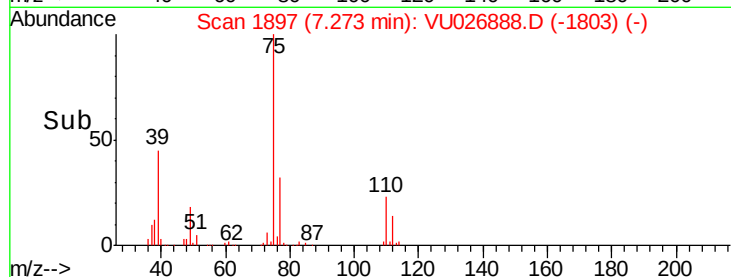
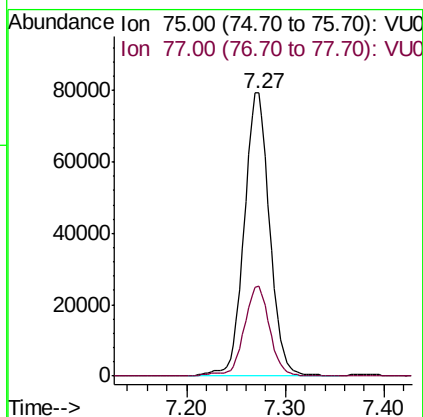
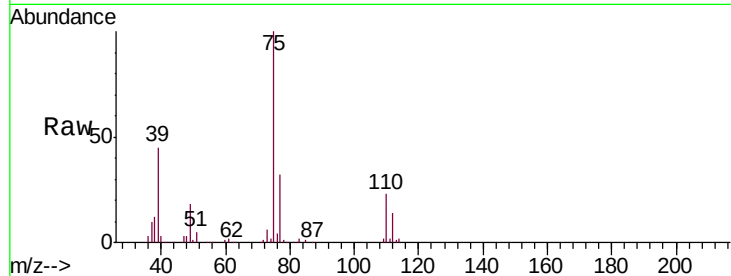


#39

cis-1,3-Dichloropropene
Concen: 48.434 ug/L
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

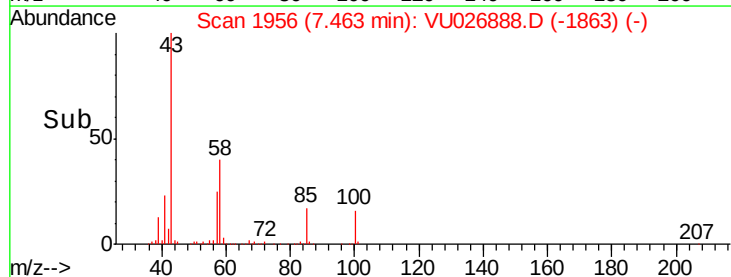
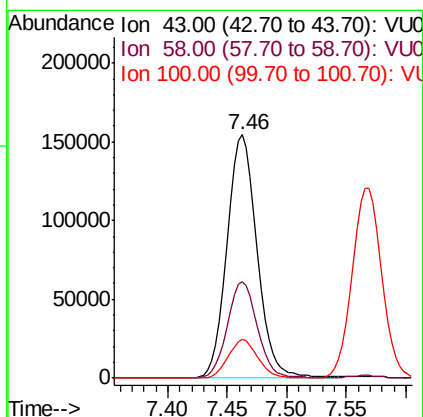
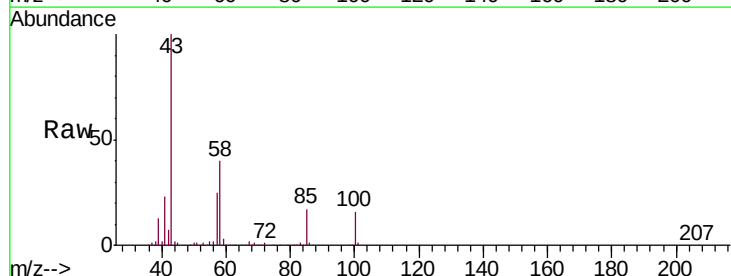
Tgt Ion: 75 Resp: 141534
Ion Ratio Lower Upper
75 100
77 31.7 22.1 41.1

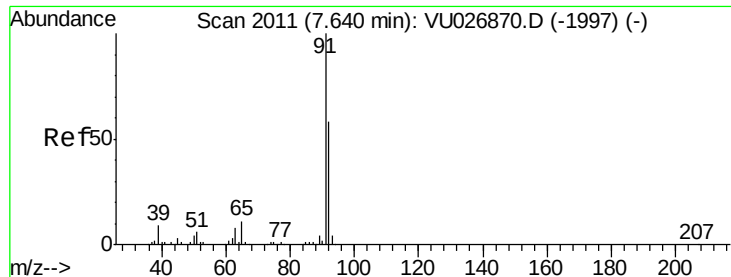


#40

4-Methyl-2-pentanone
Concen: 110.255 ug/L
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

Tgt Ion: 43 Resp: 271008
Ion Ratio Lower Upper
43 100
58 39.6 32.0 48.0
100 15.7 12.6 19.0





#42

Toluene

Concen: 52.273 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

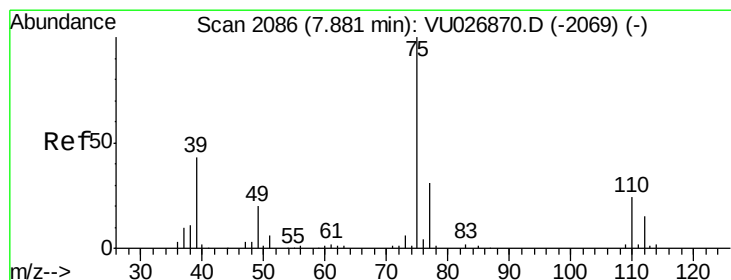
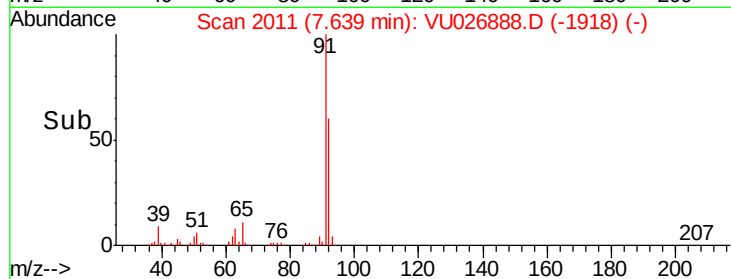
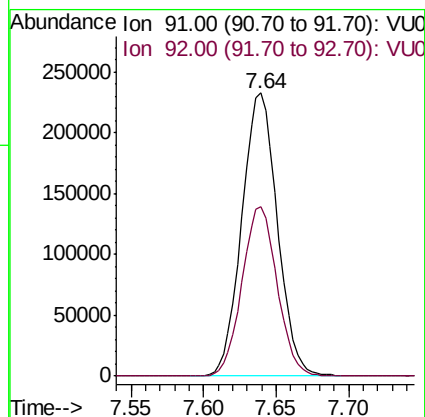
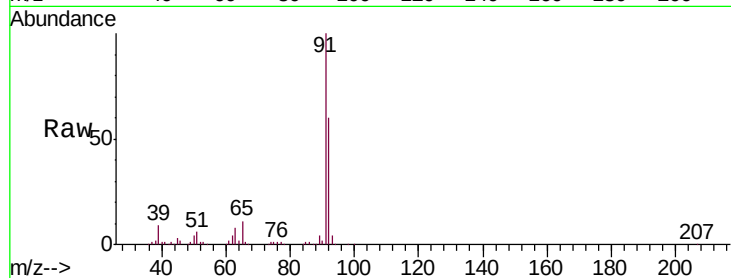
VSTD05048

Tgt Ion: 91 Resp: 398359

Ion Ratio Lower Upper

91 100

92 60.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 47.753 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026888.D

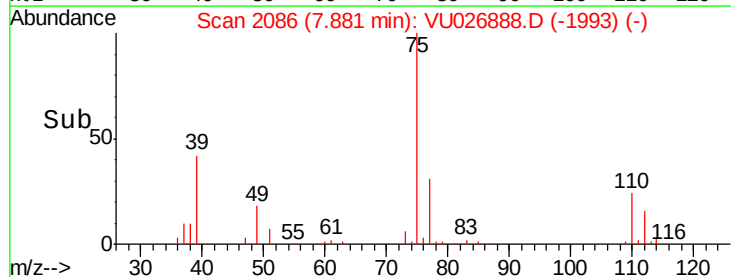
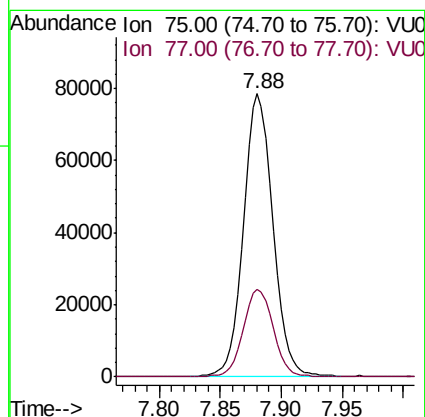
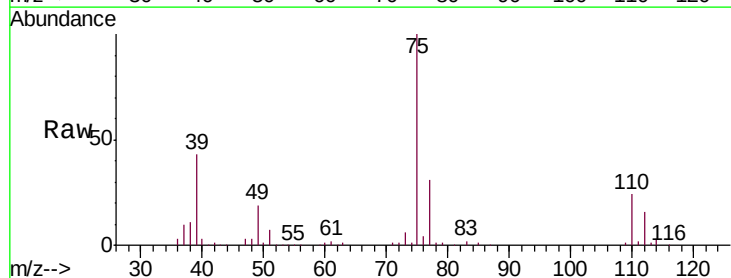
Acq: 19 Sep 2018 01:19

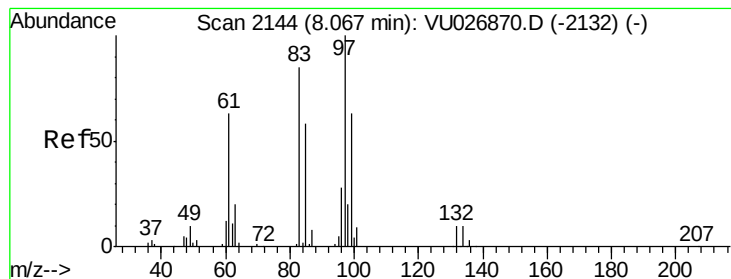
Tgt Ion: 75 Resp: 130656

Ion Ratio Lower Upper

75 100

77 31.0 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 50.791 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 97 Resp: 95792

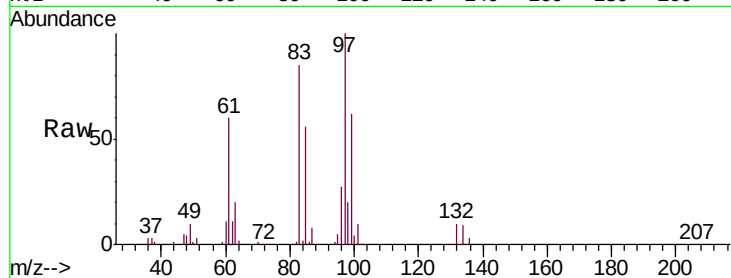
Ion Ratio Lower Upper

97 100

99 61.5 44.3 82.3

83 85.3 61.5 114.1

85 55.8 38.6 71.6

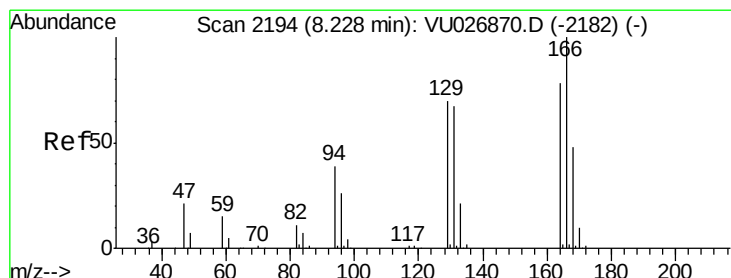
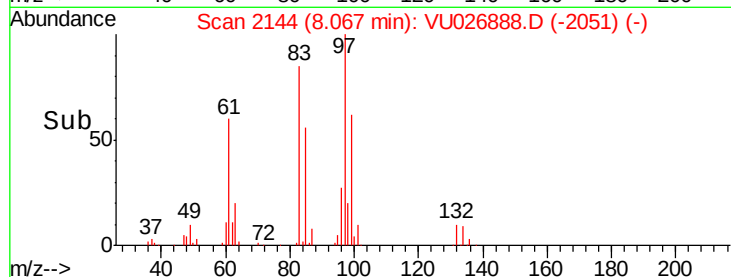
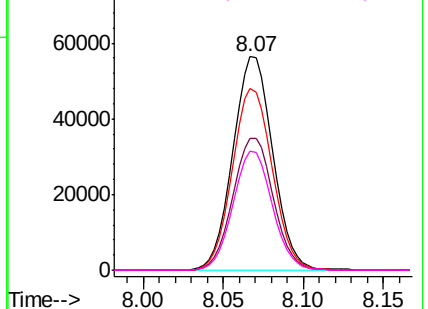


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 50.186 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Tgt Ion: 164 Resp: 80395

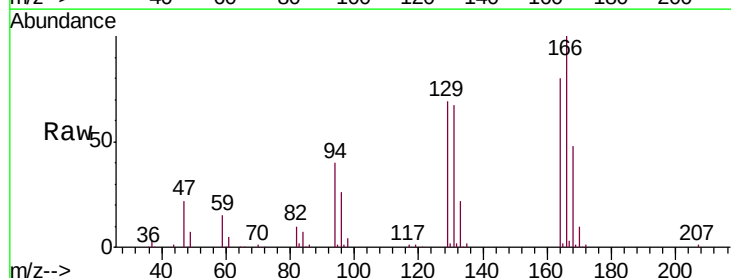
Ion Ratio Lower Upper

164 100

129 86.7 62.2 115.4

131 84.2 60.5 112.5

166 125.5 89.0 165.2

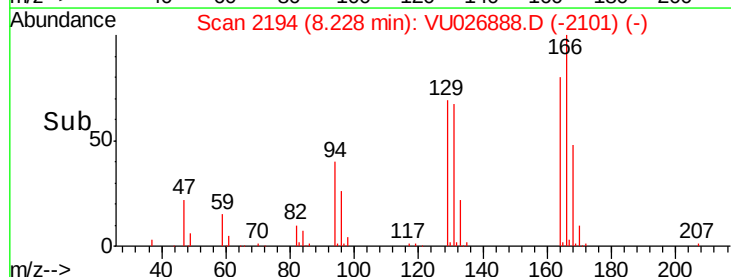
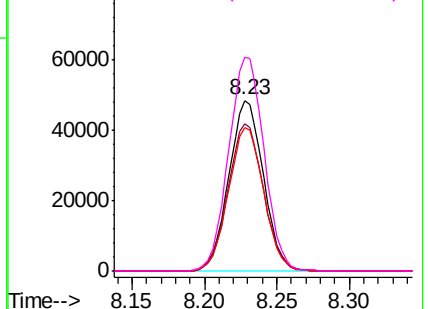


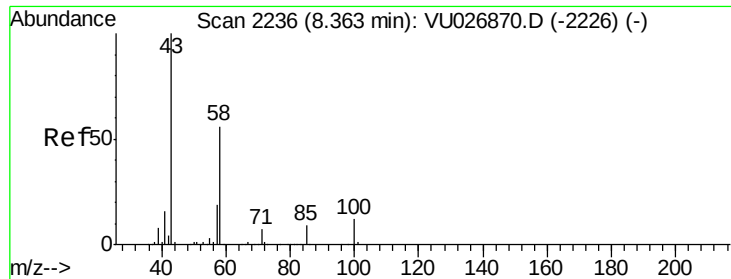
Abundance Ion 164.00 (163.70 to 164.70): V

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

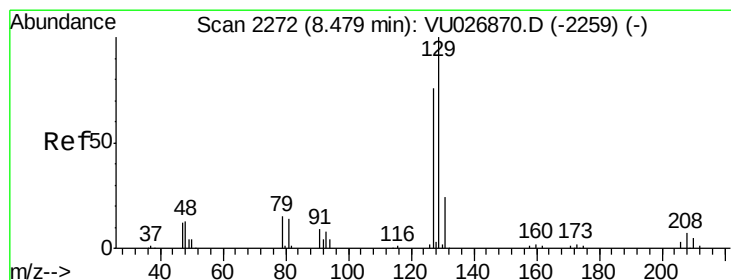
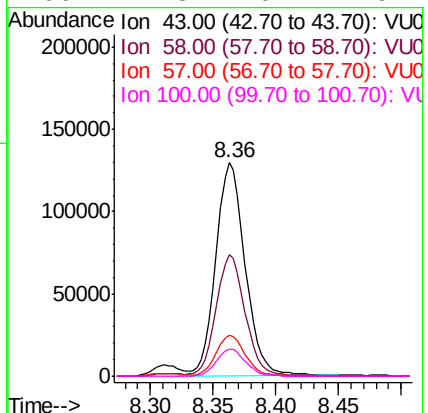
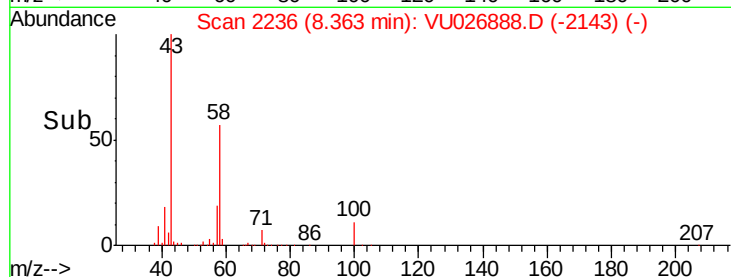
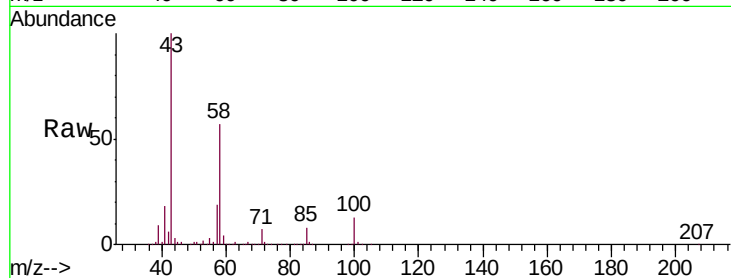




#48
2-Hexanone
Concen: 105.926 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

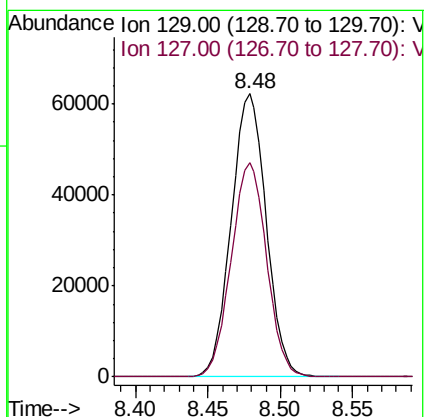
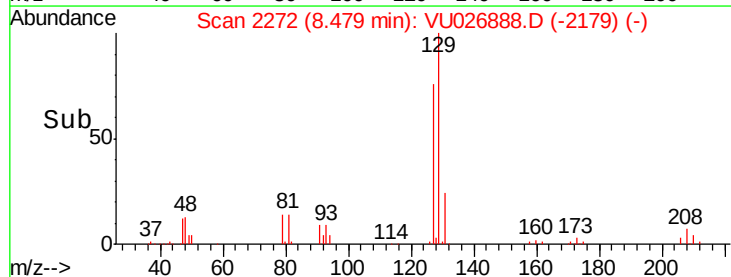
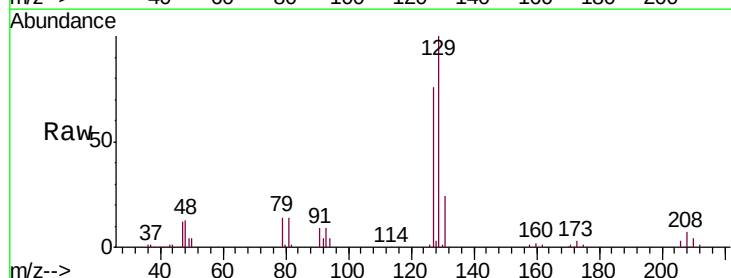
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

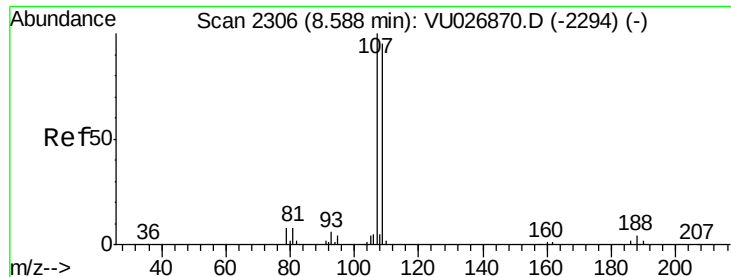
Tgt Ion:	43	Resp:	210022
Ion	Ratio	Lower	Upper
43	100		
58	55.6	44.9	67.3
57	20.0	15.4	23.2
100	12.8	10.2	15.4



#49
Dibromochloromethane
Concen: 48.955 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

Tgt Ion:	129	Resp:	104514
Ion	Ratio	Lower	Upper
129	100		
127	75.6	55.2	102.4

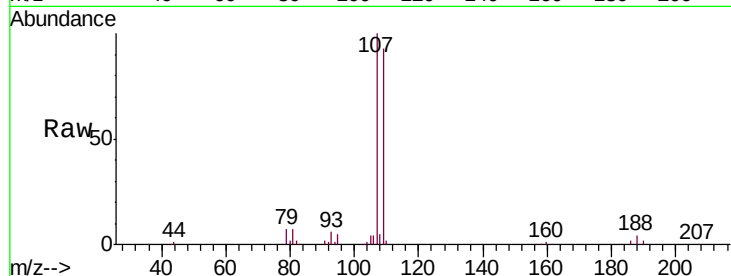




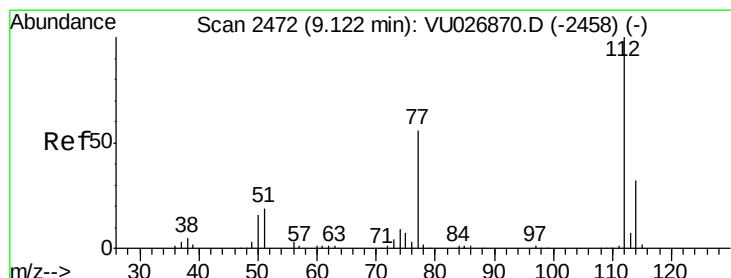
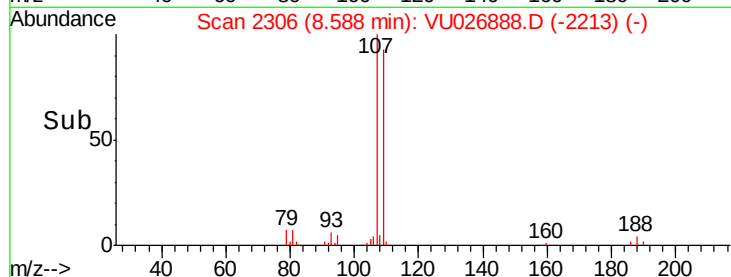
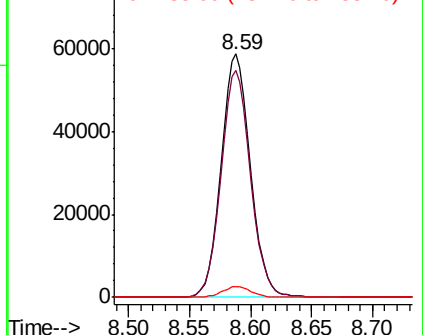
#50
1,2-Dibromoethane
Concen: 50.191 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.0	67.8	125.8
188	4.5	3.2	4.8

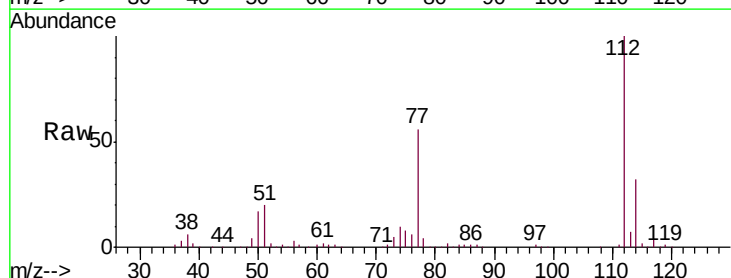


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

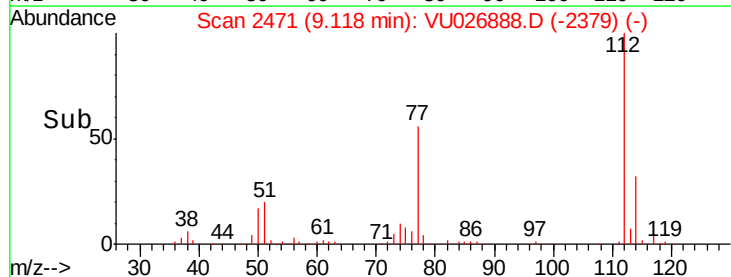
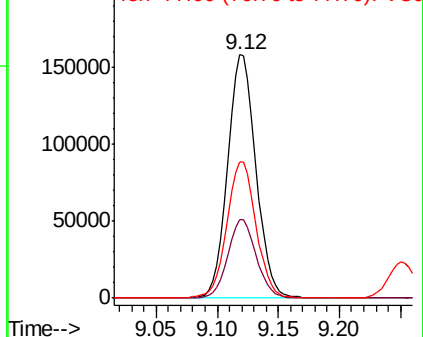


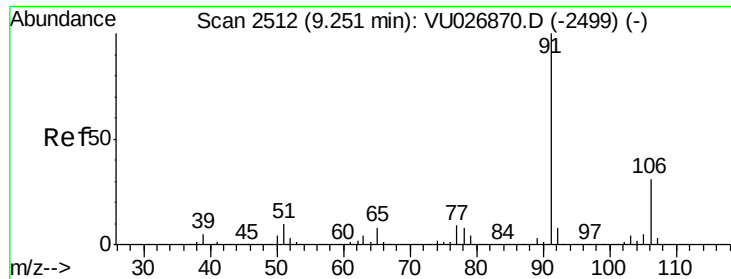
#51
Chlorobenzene
Concen: 49.762 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026888.D
Acq: 19 Sep 2018 01:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.5
77	56.0	45.1	67.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 53.014 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

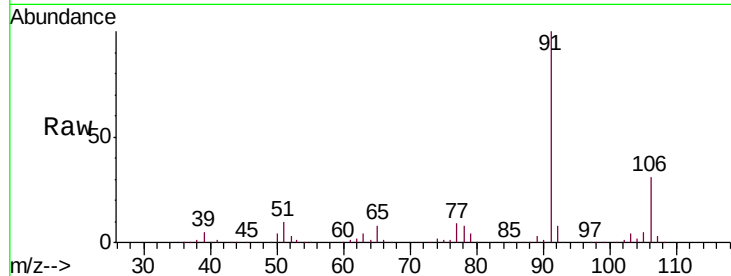
VSTD05048

Tgt Ion: 91 Resp: 423195

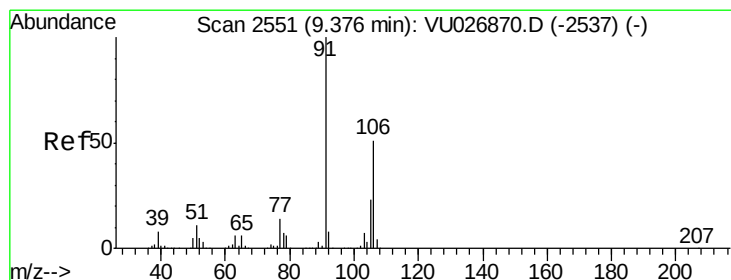
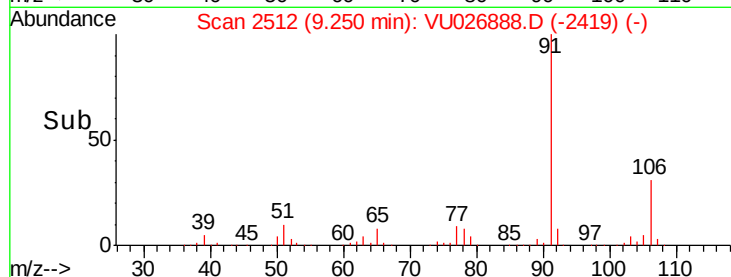
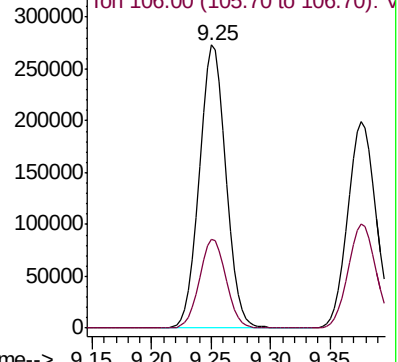
Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU026870.D (-2499) (-)



#53

m,p-Xylene

Concen: 53.295 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026888.D

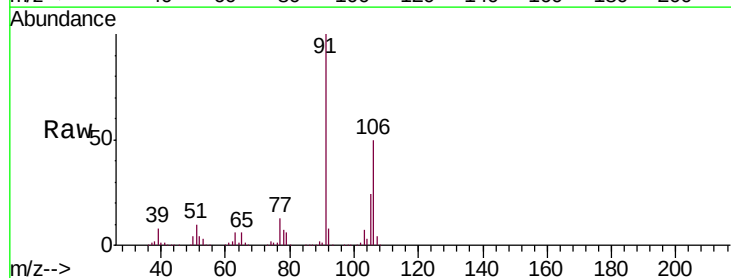
Acq: 19 Sep 2018 01:19

Tgt Ion: 106 Resp: 163551

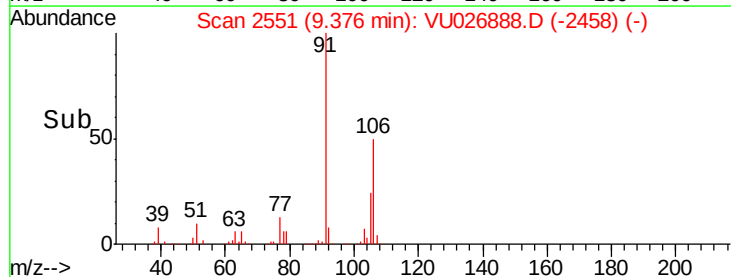
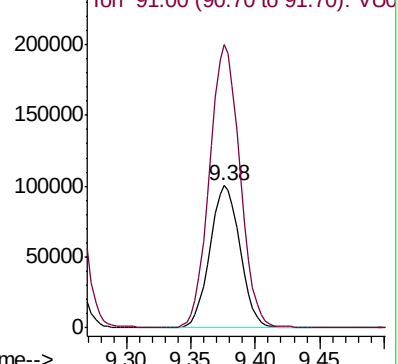
Ion Ratio Lower Upper

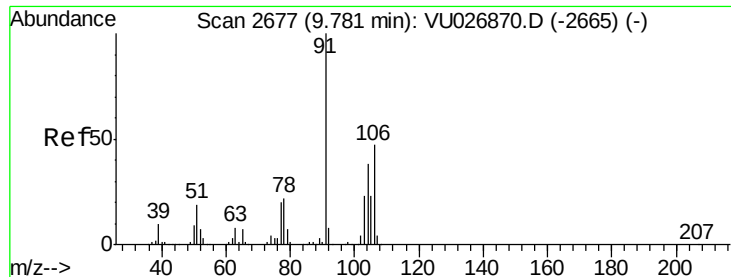
106 100

91 199.2 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): VU026870.D (-2537) (-)





#54

o-xylene

Concen: 54.362 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

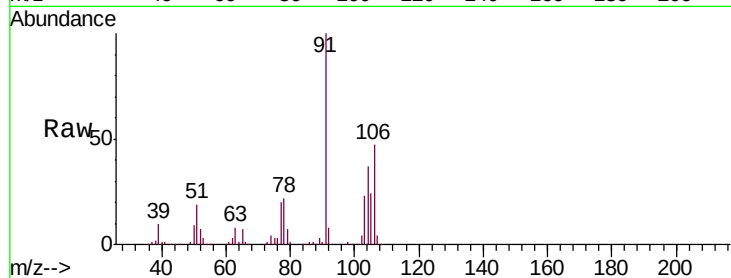
VSTD05048

Tgt Ion:106 Resp: 162545

Ion Ratio Lower Upper

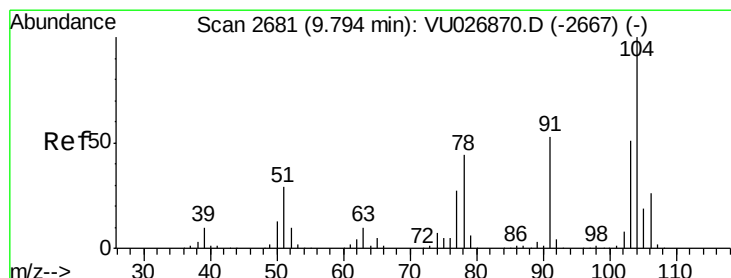
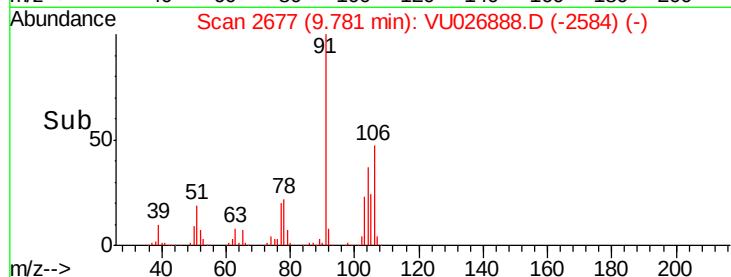
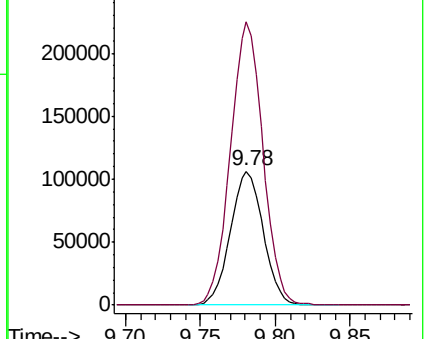
106 100

91 211.5 143.1 265.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.692 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026888.D

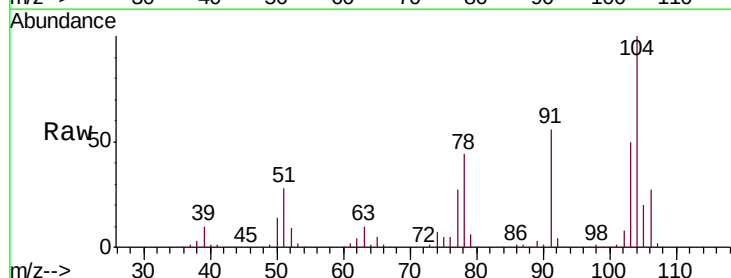
Acq: 19 Sep 2018 01:19

Tgt Ion:104 Resp: 282337

Ion Ratio Lower Upper

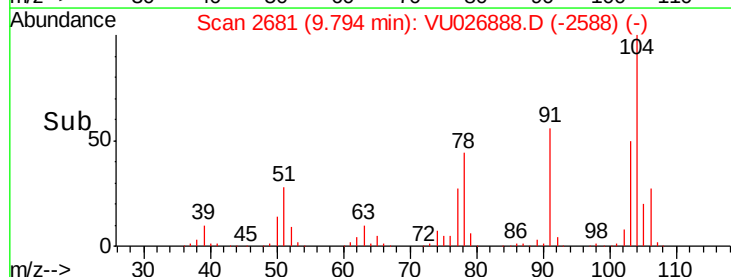
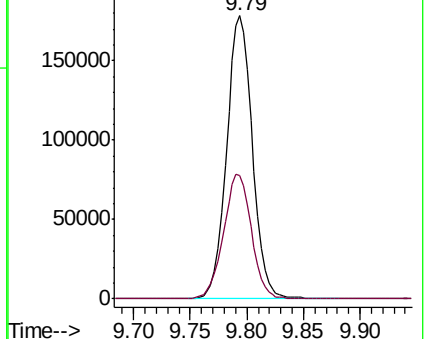
104 100

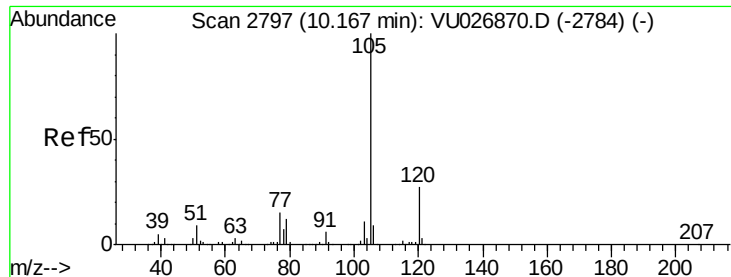
78 43.8 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.240 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

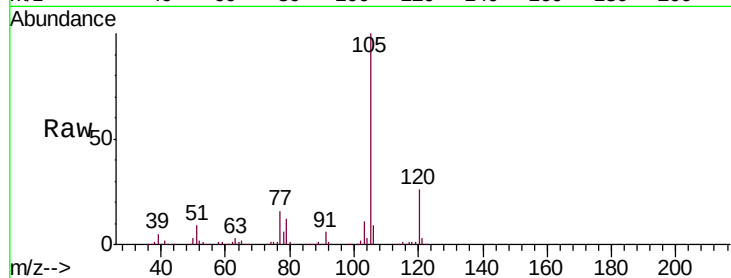
Tgt Ion: 105 Resp: 414273

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

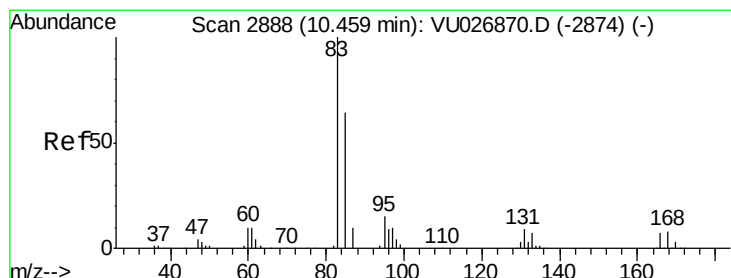
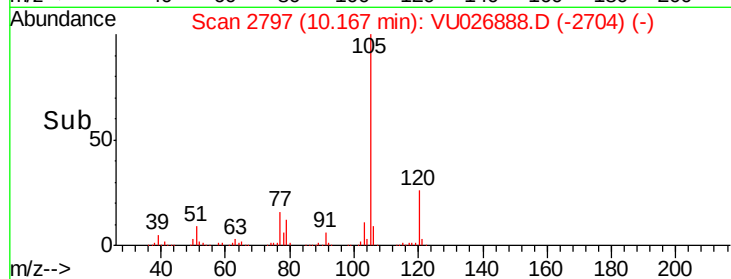
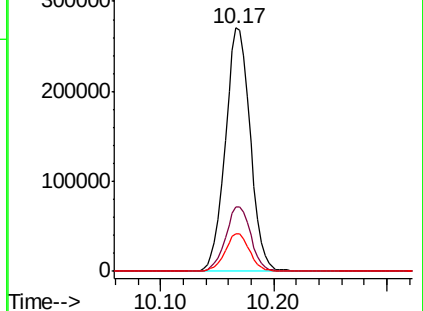
77 15.2 12.2 18.4



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: 49.412 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

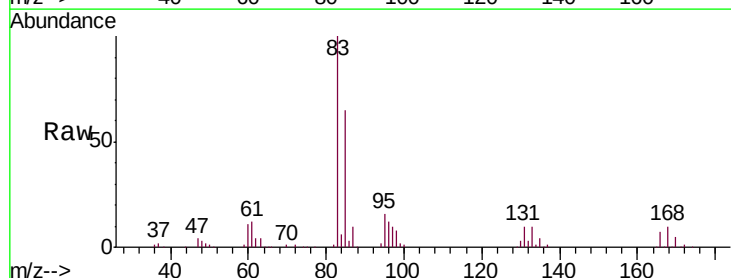
Tgt Ion: 83 Resp: 156744

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

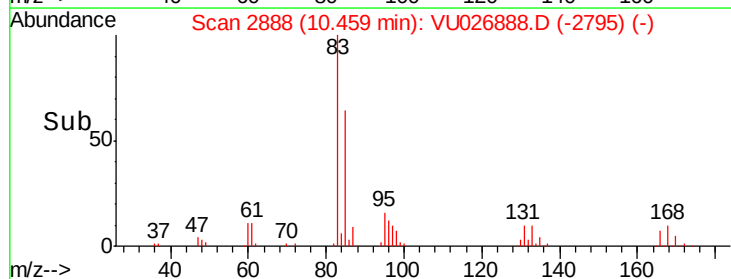
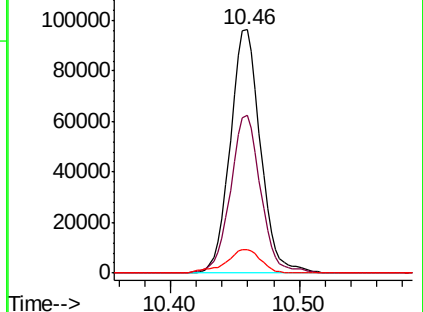
131 9.9 7.9 11.9

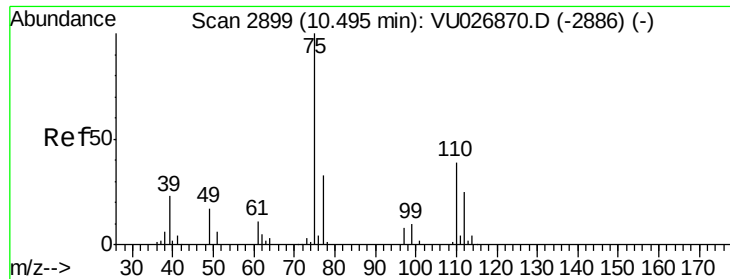


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.708 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

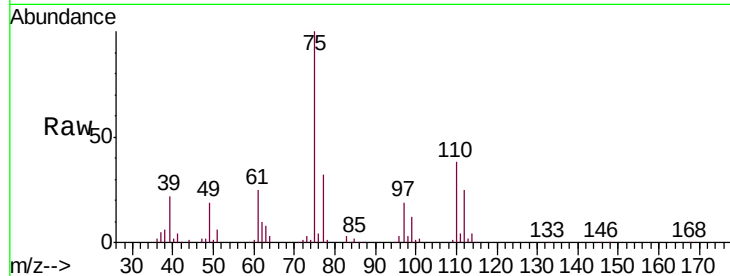
VSTD05048

Tgt Ion: 75 Resp: 125651

Ion Ratio Lower Upper

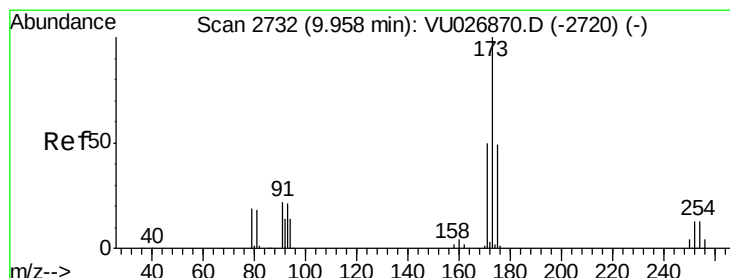
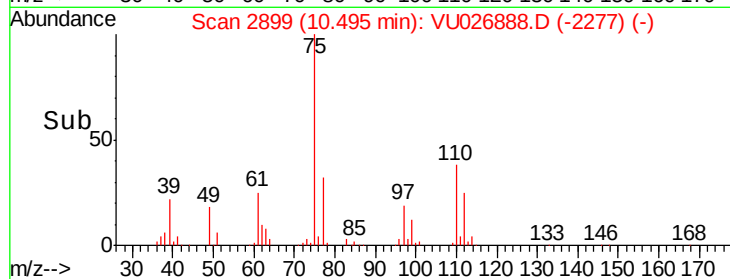
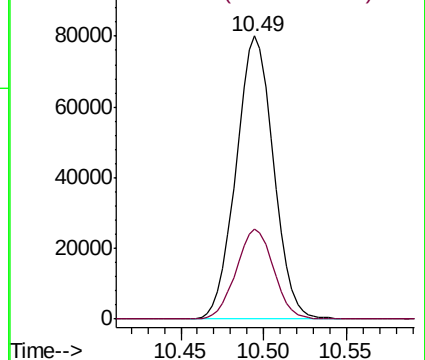
75 100

77 31.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 47.385 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

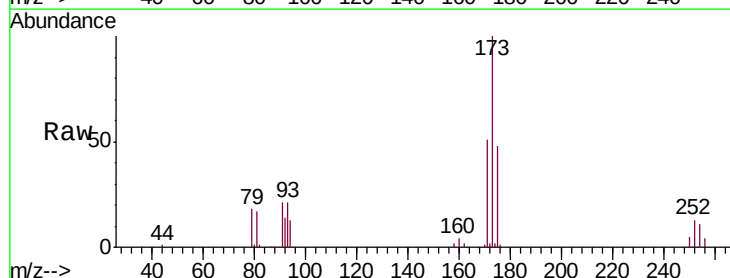
Tgt Ion: 173 Resp: 77680

Ion Ratio Lower Upper

173 100

175 48.0 38.6 57.8

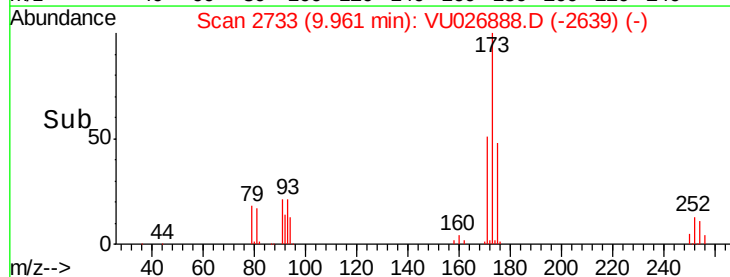
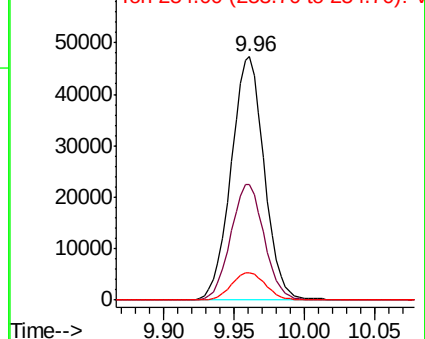
254 11.7 9.4 14.2

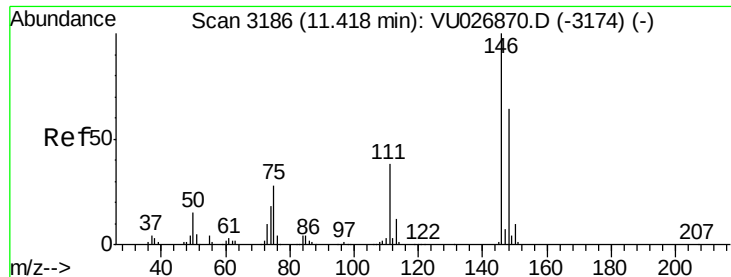


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 50.870 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

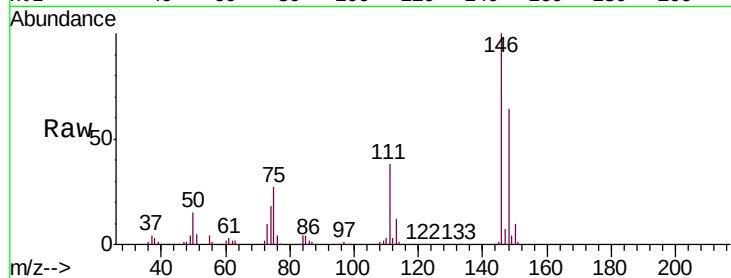
Tgt Ion:146 Resp: 193323

Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.7

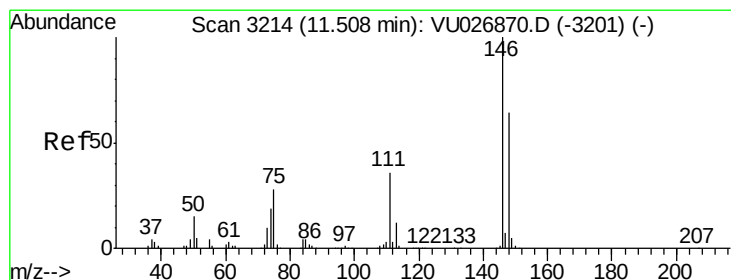
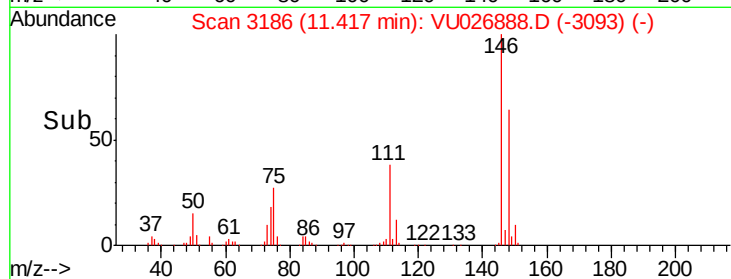
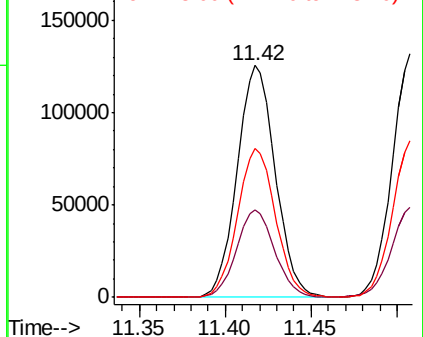
148 64.1 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.877 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

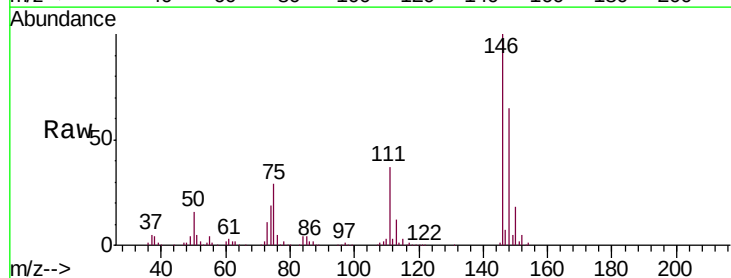
Tgt Ion:146 Resp: 204532

Ion Ratio Lower Upper

146 100

111 36.9 26.0 48.2

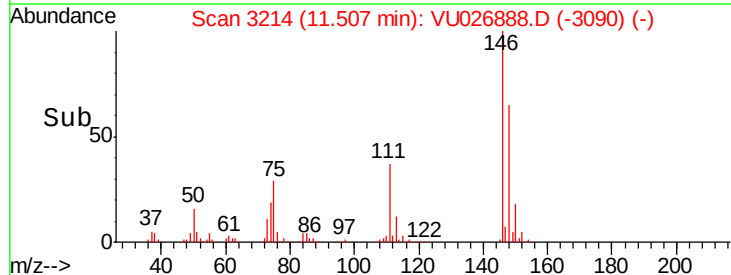
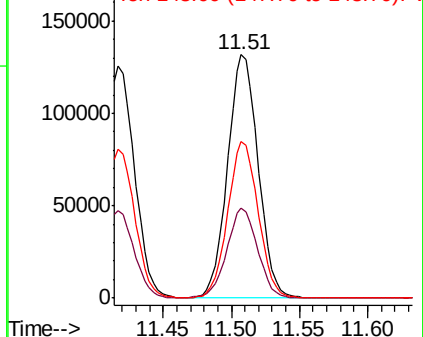
148 64.5 45.8 85.2

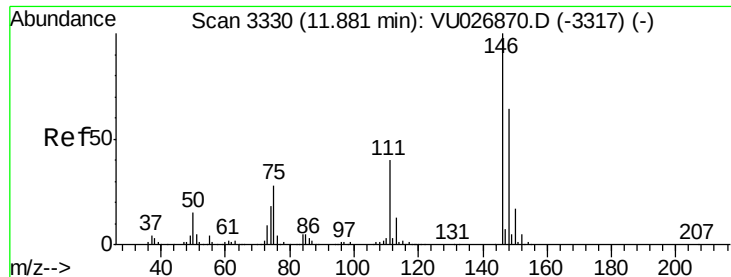


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.004 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

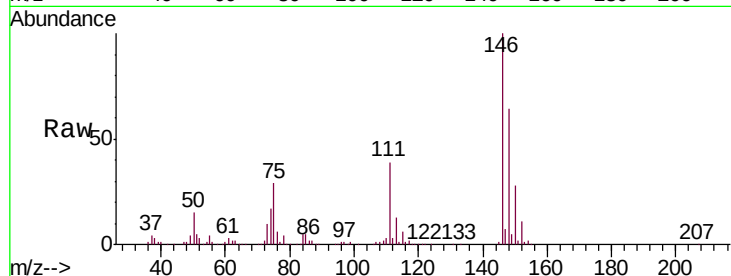
Tgt Ion:146 Resp: 210416

Ion Ratio Lower Upper

146 100

111 39.1 31.4 47.0

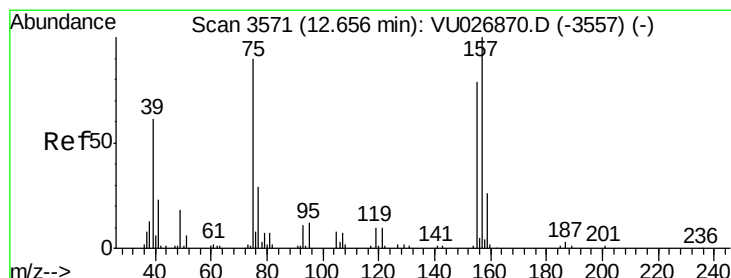
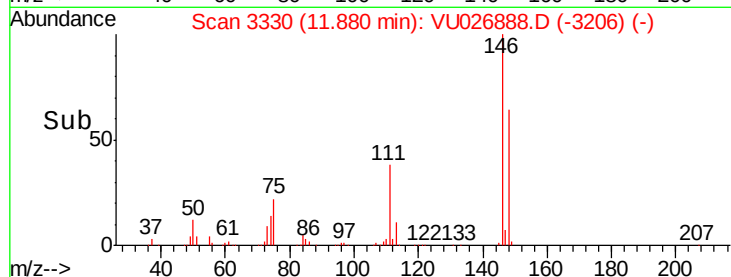
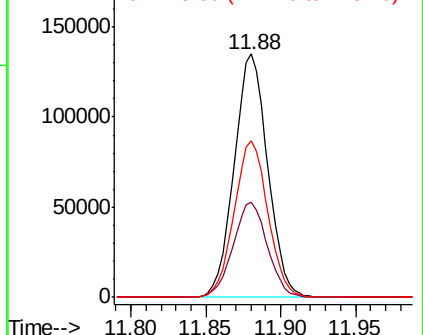
148 64.2 51.4 77.2



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: 48.377 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

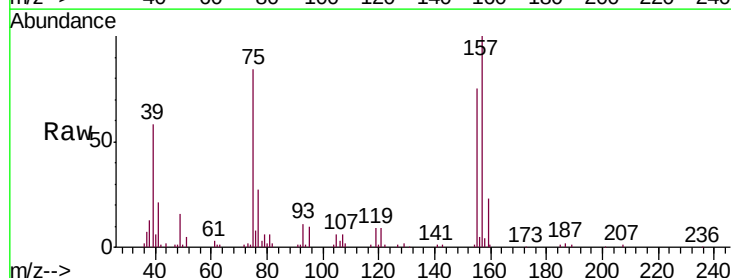
Tgt Ion: 75 Resp: 30883

Ion Ratio Lower Upper

75 100

155 88.6 69.5 104.3

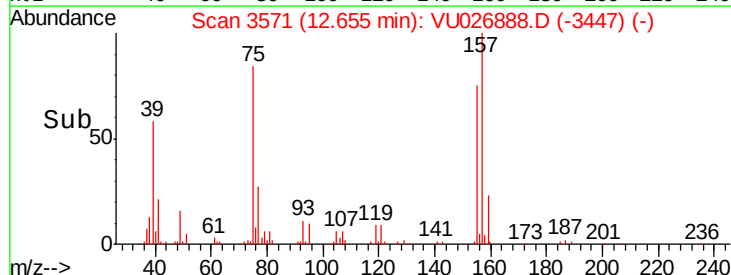
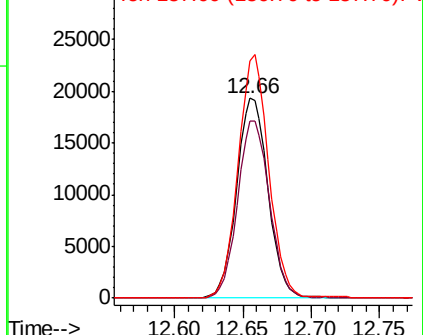
157 118.8 90.5 135.7

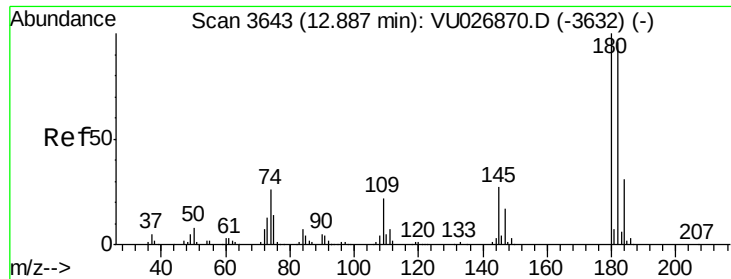


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

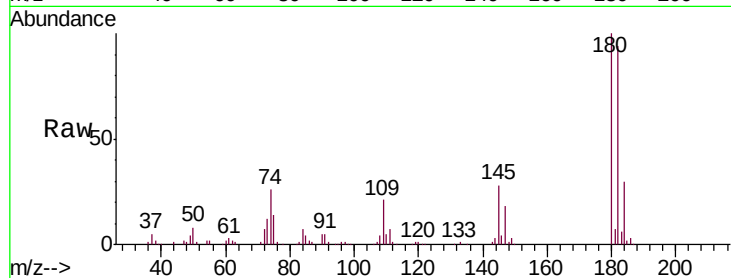




#67
 1,3,5-Trichlorobenzene
 Concen: 51.473 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU026888.D
 Acq: 19 Sep 2018 01:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.7	115.1
184	30.3	24.2	36.4
145	26.9	21.8	32.6



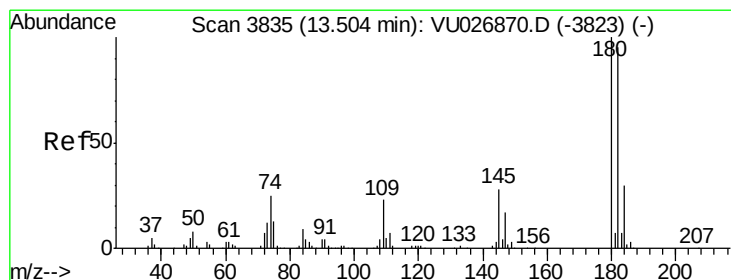
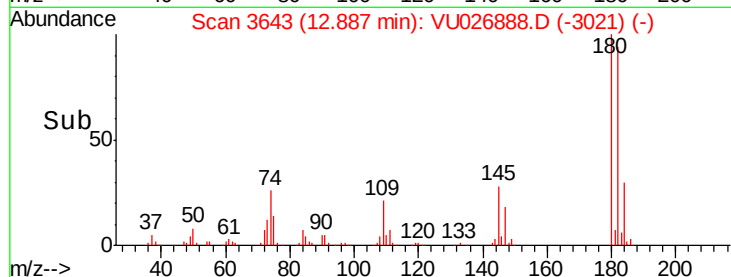
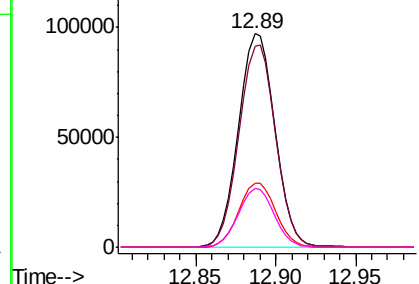
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

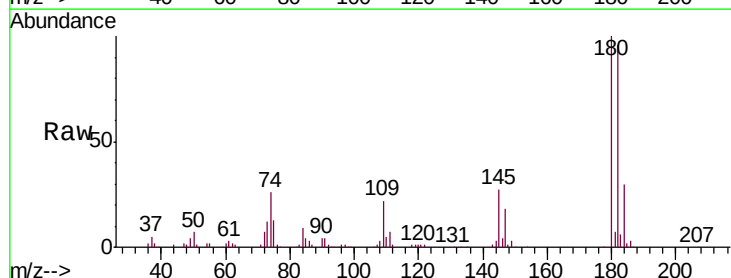
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.488 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026888.D
 Acq: 19 Sep 2018 01:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
145	27.5	22.2	33.2

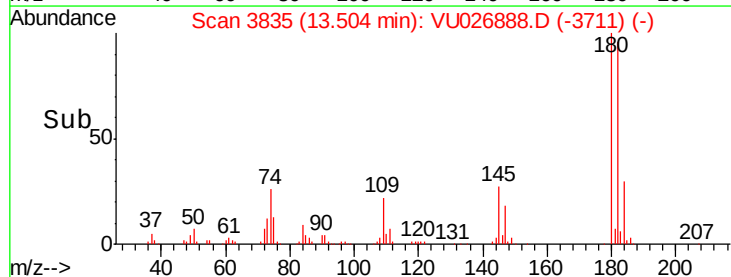
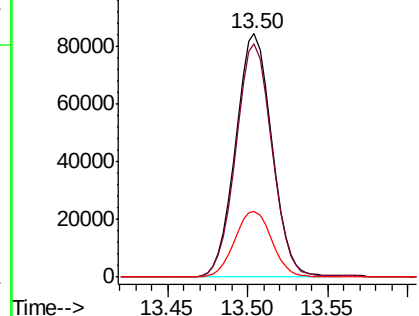


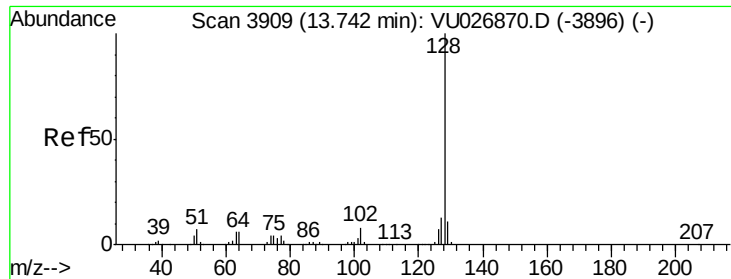
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 56.557 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

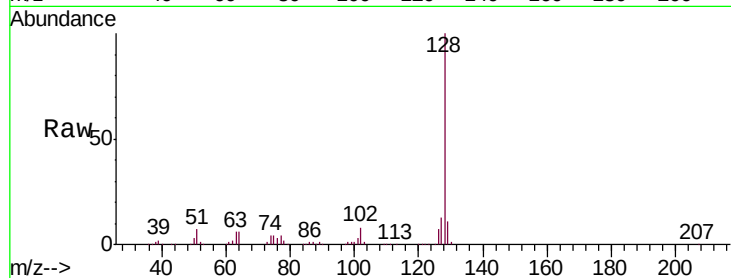
Tgt Ion:128 Resp: 422247

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

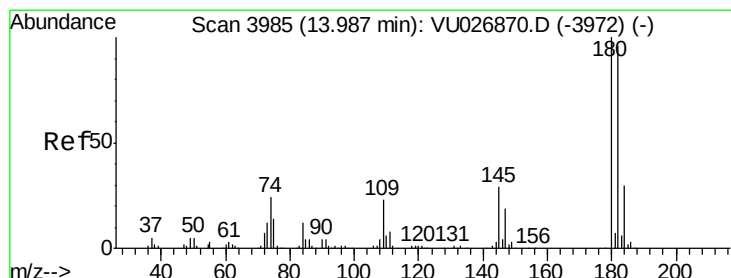
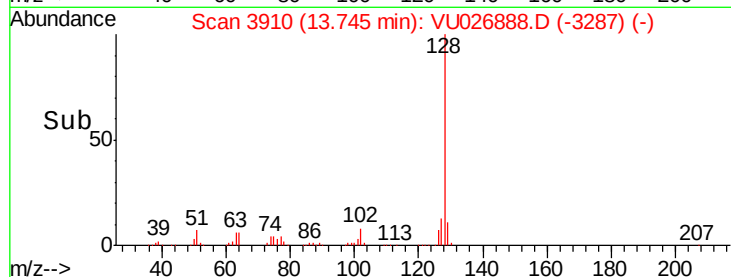
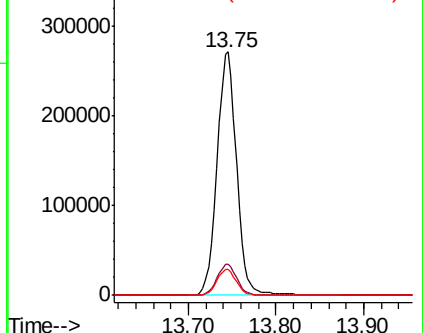
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.549 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026888.D

Acq: 19 Sep 2018 01:19

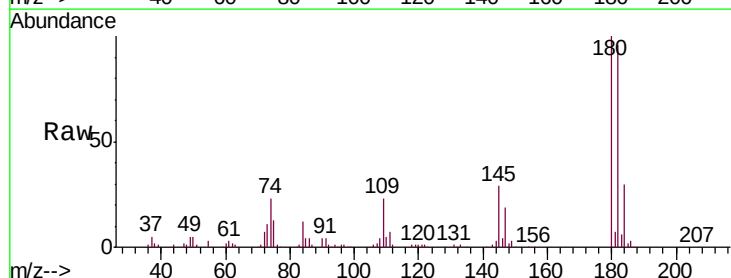
Tgt Ion:180 Resp: 149441

Ion Ratio Lower Upper

180 100

182 94.8 75.6 113.4

145 29.3 23.8 35.6



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

