

Data File : VU028224.D
Acq On : 17 Nov 2018 14:45
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Quant Time: Nov 19 02:54:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 02:51:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	160637	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	151034	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69611	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56355	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.68	69	48537	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.28	63	112622	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.20	46	197395	48.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.60%
24) Chloroform-d	4.65	84	105282	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.31	65	60634	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.34	84	205336	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.33	67	76197	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.57	98	186906	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.85	79	24482	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.31	63	150404	49.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	53868	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	66221	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	60736	4.502	ug/L 100
3) Chloromethane	1.33	50	80382	4.682	ug/L 97
5) Vinyl chloride	1.40	62	75466	4.629	ug/L 96
6) Bromomethane	1.63	94	35243	4.790	ug/L 96
8) Chloroethane	1.70	64	45040	4.674	ug/L 97
9) Trichlorofluoromethane	1.89	101	88152	4.643	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	47369	4.533	ug/L 100
12) 1,1-Dichloroethene	2.29	96	45704	4.621	ug/L 92
13) Acetone	2.33	43	123526	44.401	ug/L 100
14) Carbon disulfide	2.48	76	147144	4.738	ug/L 99
15) Methyl Acetate	2.62	43	31486	4.270	ug/L 98
16) Methylene chloride	2.70	84	66085	5.304	ug/L 93
17) Methyl tert-butyl Ether	3.01	73	135594	4.564	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	48533	4.607	ug/L 100
19) 1,1-Dichloroethane	3.45	63	114510	4.688	ug/L 99
21) 2-Butanone	4.29	43	205662	46.423	ug/L 98
22) cis-1,2-Dichloroethene	4.23	96	58721	4.716	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	22381	4.593	ug/L	94
25) Chloroform	4.68	83	112507	4.256	ug/L	99
27) 1,2-Dichloroethane	5.41	62	69516	4.601	ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	82314	4.834	ug/L	98
30) Cyclohexane	4.99	56	105521	4.736	ug/L	98
31) Carbon tetrachloride	5.13	117	68352	4.893	ug/L	99
33) Benzene	5.39	78	239021	4.796	ug/L	100
34) Trichloroethene	6.19	95	57841	4.741	ug/L	96
35) Methylcyclohexane	6.41	83	90666	4.717	ug/L	100
37) 1,2-Dichloropropane	6.43	63	69633	4.897	ug/L	99
38) Bromodichloromethane	6.76	83	71588	4.617	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	87005	4.828	ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	491129	48.311	ug/L	100
42) Toluene	7.64	91	245684	4.864	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	67005	4.942	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	40496	4.713	ug/L	97
47) Tetrachloroethene	8.23	164	39961	4.719	ug/L	99
48) 2-Hexanone	8.37	43	356262	49.152	ug/L	99
49) Dibromochloromethane	8.48	129	42414	4.877	ug/L	97
50) 1,2-Dibromoethane	8.59	107	37973	4.890	ug/L	98
51) Chlorobenzene	9.12	112	141953	4.880	ug/L	99
52) Ethylbenzene	9.25	91	270322	4.973	ug/L	96
53) m,p-xylene	9.38	106	95872	5.084	ug/L	98
54) o-xylene	9.78	106	91684	4.867	ug/L	96
55) Styrene	9.79	104	159615	5.047	ug/L	100
56) Isopropylbenzene	10.17	105	244828	4.853	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	53978	4.887	ug/L	95
59) 1,2,3-Trichloropropane	10.49	75	39971	4.865	ug/L	97
61) Bromoform	9.96	173	22108	5.009	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	104665	4.941	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	107011	4.951	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	102625	4.941	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	7589	4.690	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.89	180	82734	5.106	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	67741	5.003	ug/L	98
69) Naphthalene	13.74	128	125054	5.197	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	66709	5.202	ug/L	97

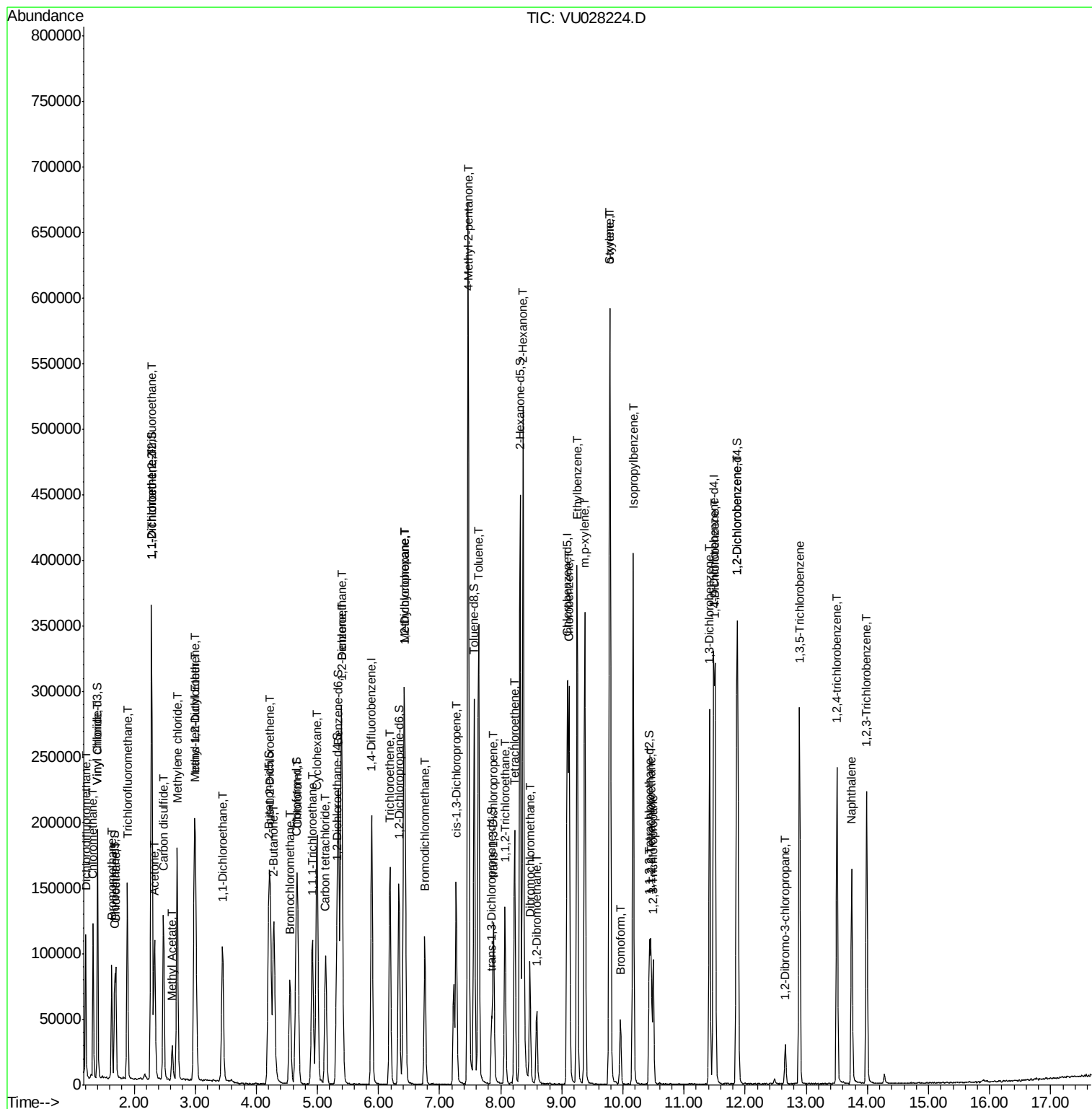
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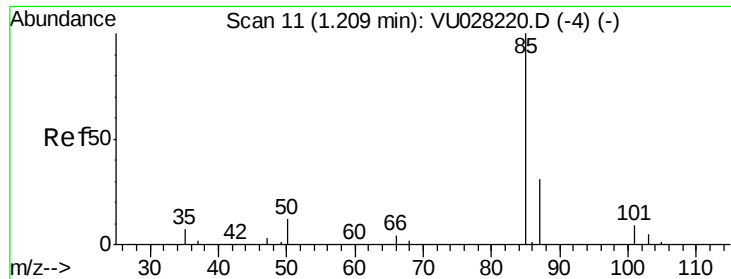
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#2

Dichlorodifluoromethane

Concen: 4.502 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

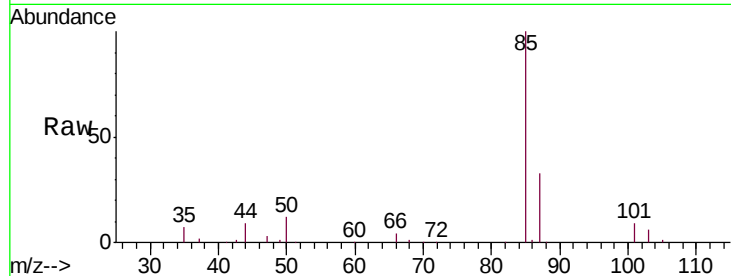
VSTD00520

Tgt Ion: 85 Resp: 60736

Ion Ratio Lower Upper

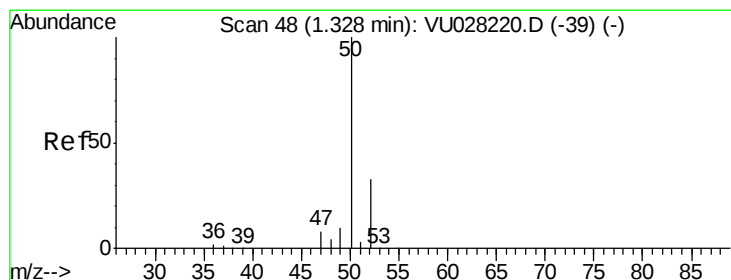
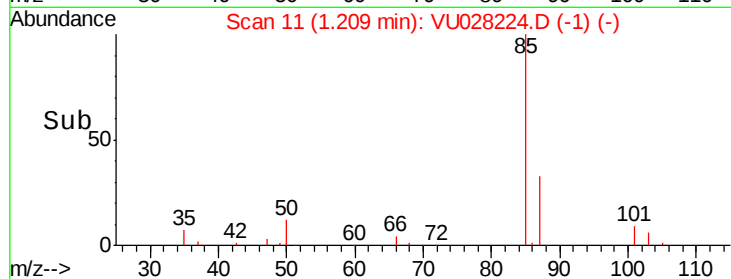
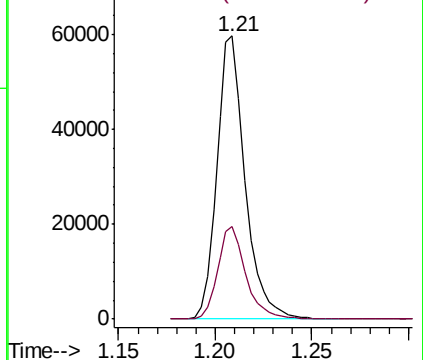
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.682 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028224.D

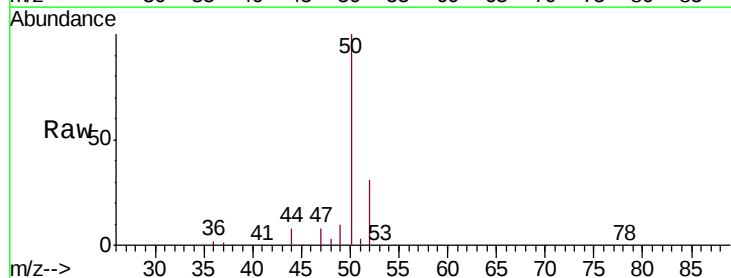
Acq: 17 Nov 2018 14:45

Tgt Ion: 50 Resp: 80382

Ion Ratio Lower Upper

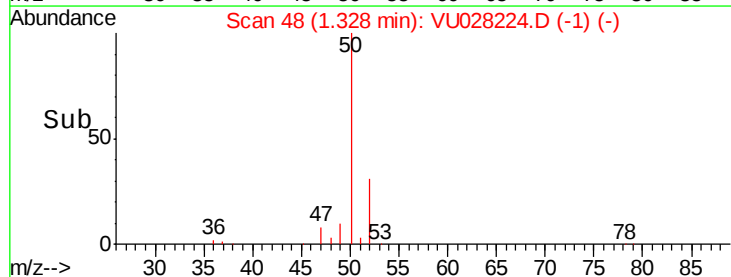
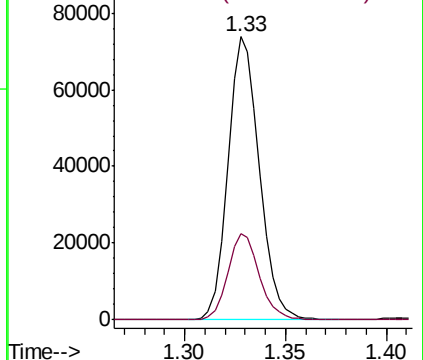
50 100

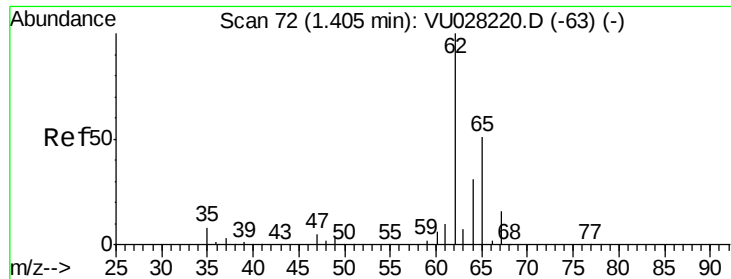
52 30.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.629 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

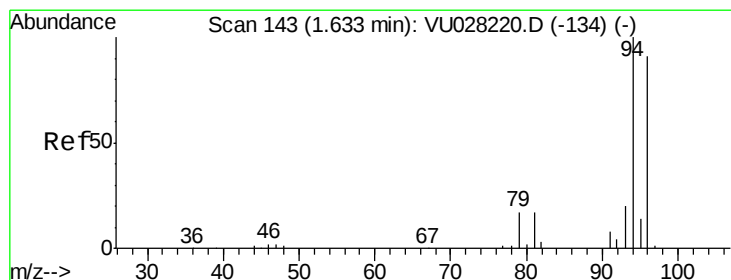
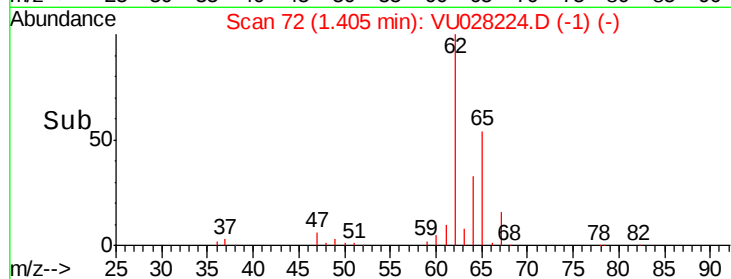
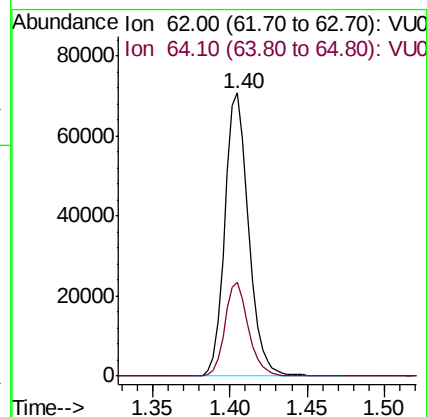
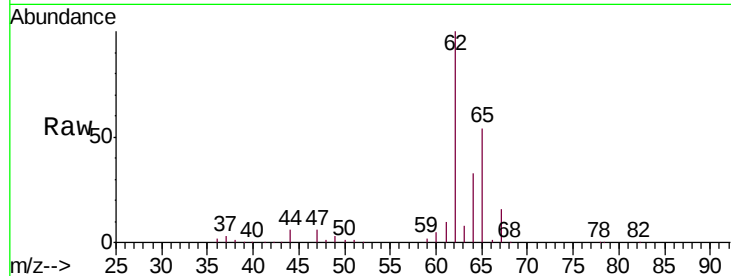
VSTD00520

Tgt Ion: 62 Resp: 75466

Ion Ratio Lower Upper

62 100

64 33.1 21.7 40.3



#6

Bromomethane

Concen: 4.790 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU028224.D

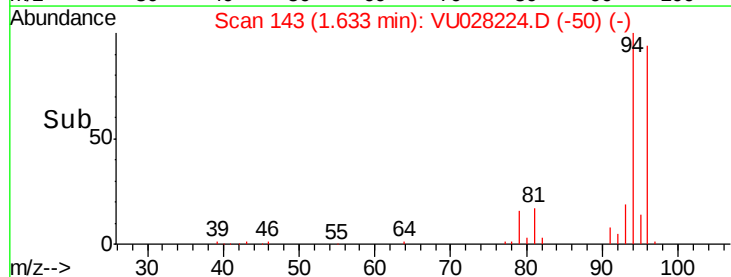
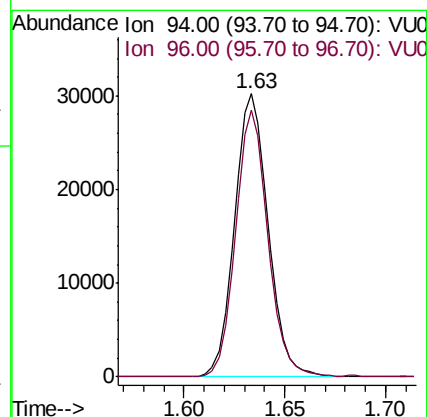
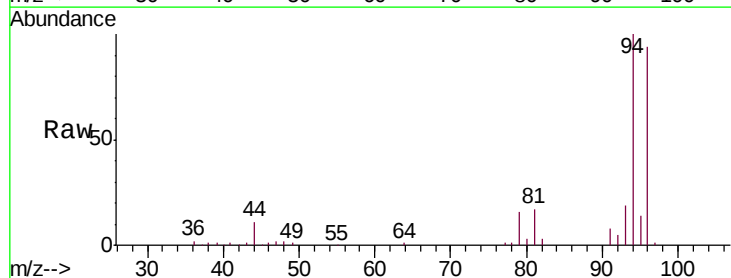
Acq: 17 Nov 2018 14:45

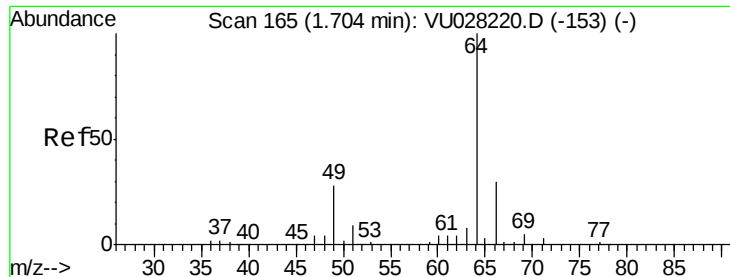
Tgt Ion: 94 Resp: 35243

Ion Ratio Lower Upper

94 100

96 94.3 63.6 118.0





#8

Chloroethane

Concen: 4.674 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

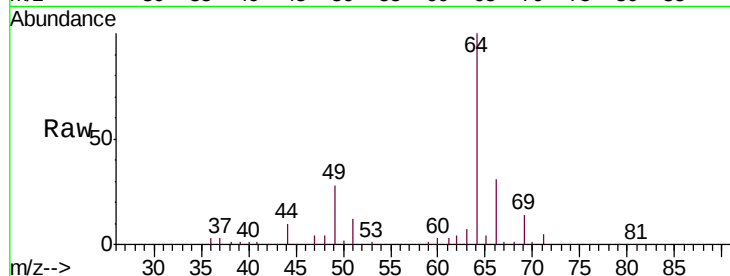
VSTD00520

Tgt Ion: 64 Resp: 45040

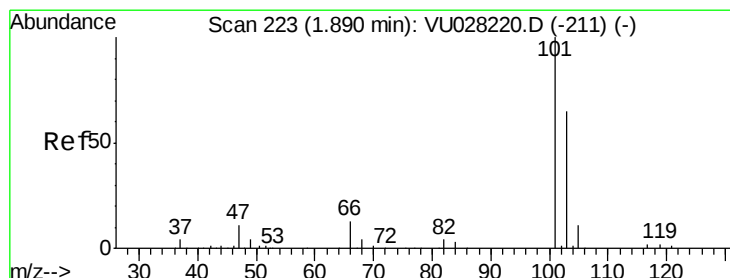
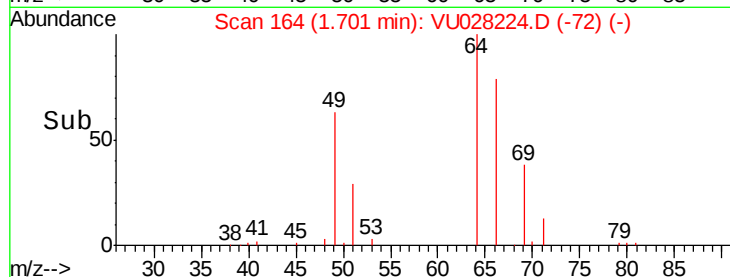
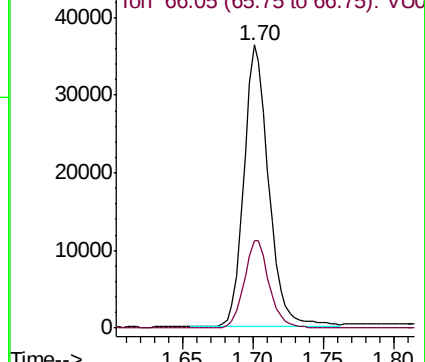
Ion Ratio Lower Upper

64 100

66 31.1 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VU028224.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 4.643 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU028224.D

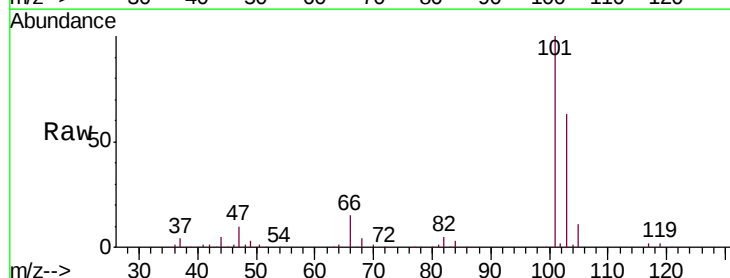
Acq: 17 Nov 2018 14:45

Tgt Ion: 101 Resp: 88152

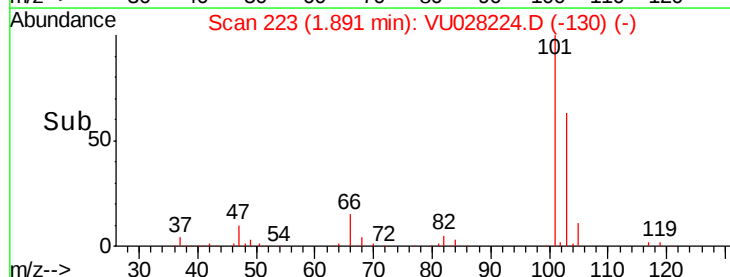
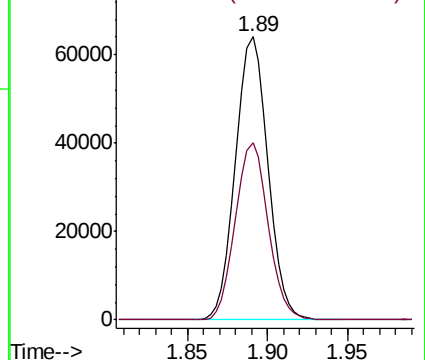
Ion Ratio Lower Upper

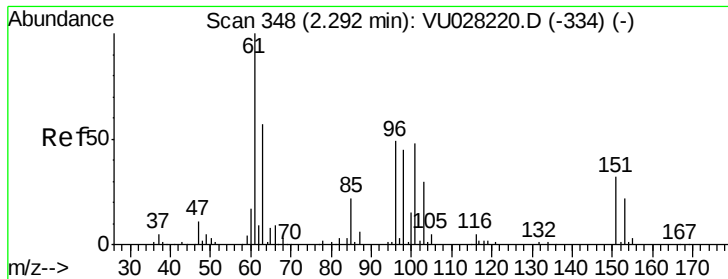
101 100

103 63.5 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU028224.D (-211) (-)





#10

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

Concen: 4.533 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

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VSTD00520

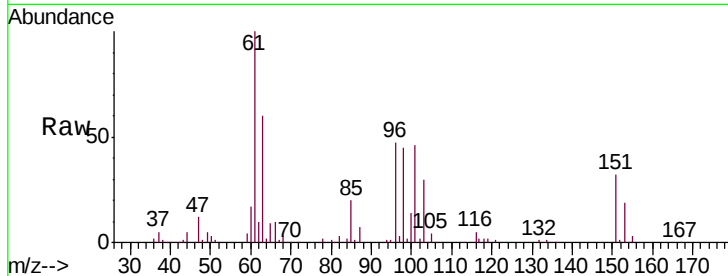
Tgt Ion: 101 Resp: 47369

Ion Ratio Lower Upper

101 100

85 46.8 37.4 56.2

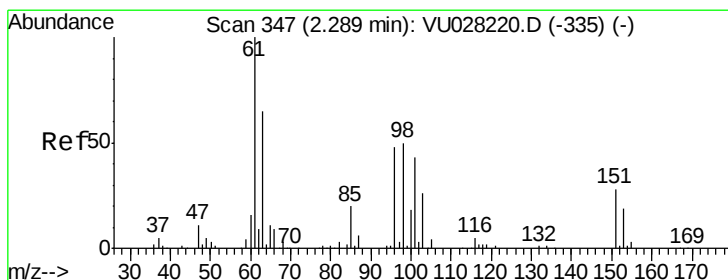
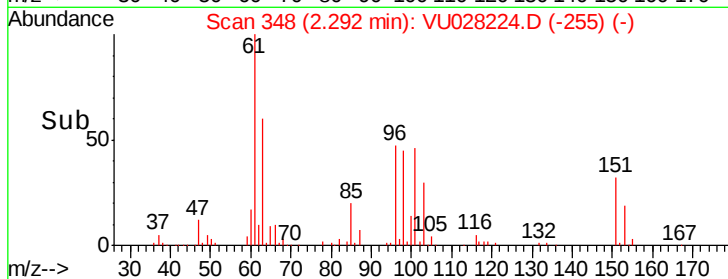
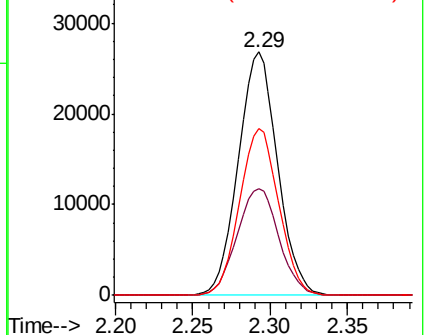
151 68.3 55.0 82.4



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: 4.621 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

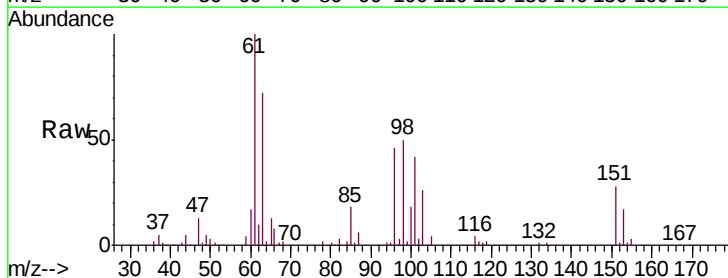
Tgt Ion: 96 Resp: 45704

Ion Ratio Lower Upper

96 100

61 216.6 145.5 270.1

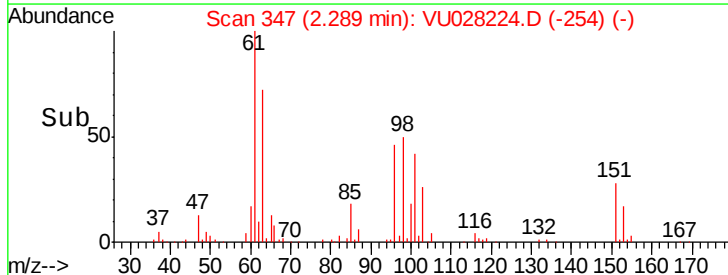
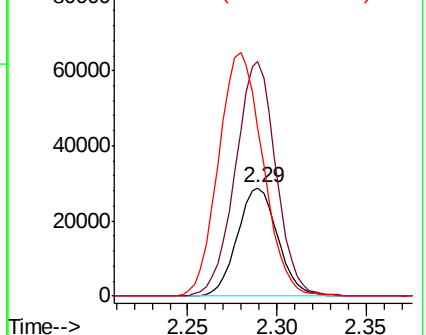
63 155.3 98.6 183.2

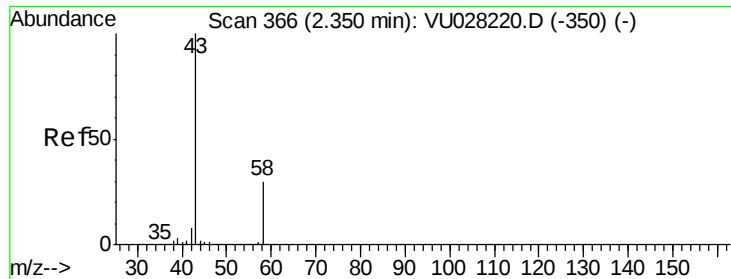


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.401 ug/L

RT: 2.33 min Scan# 361

Delta R.T. -0.02 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

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ClientSampleId :

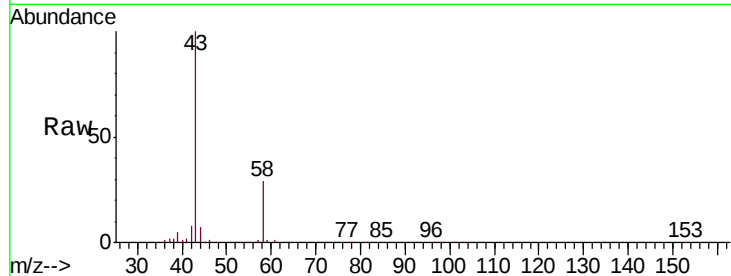
VSTD00520

Tgt Ion: 43 Resp: 123526

Ion Ratio Lower Upper

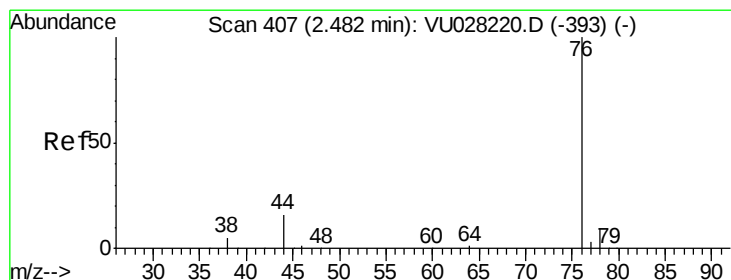
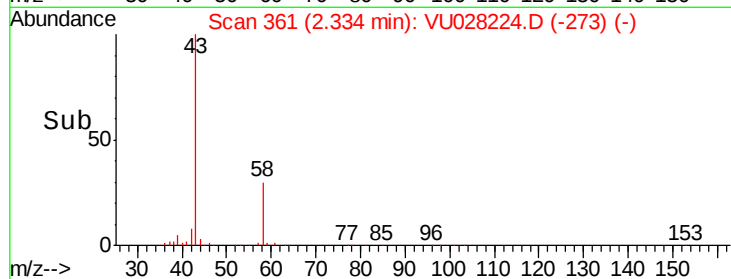
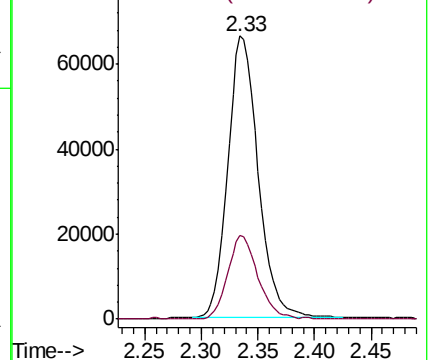
43 100

58 29.5 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.738 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU028224.D

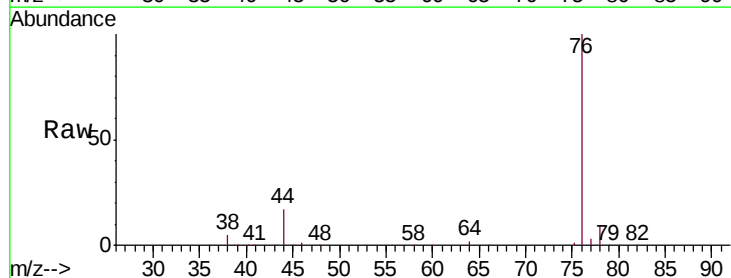
Acq: 17 Nov 2018 14:45

Tgt Ion: 76 Resp: 147144

Ion Ratio Lower Upper

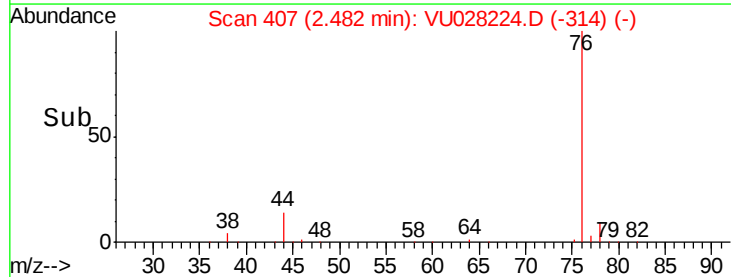
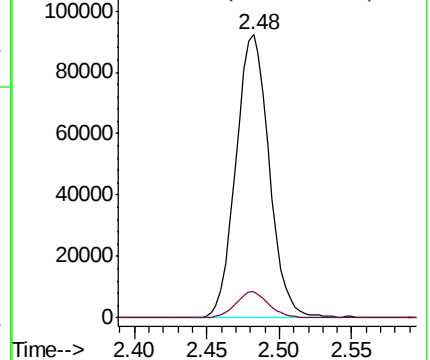
76 100

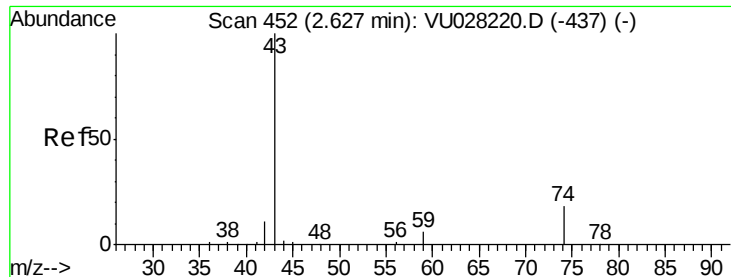
78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

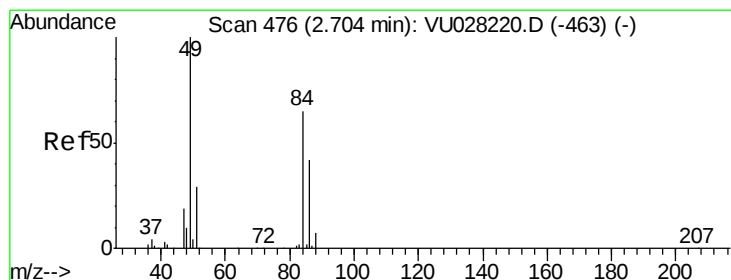
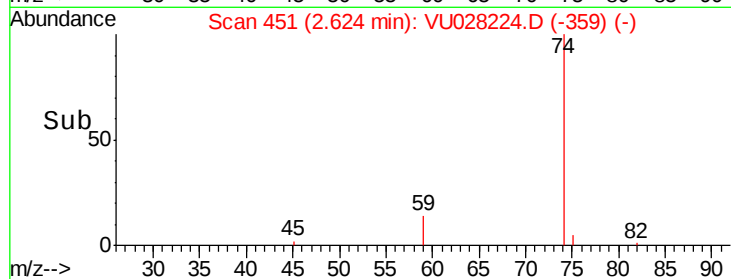
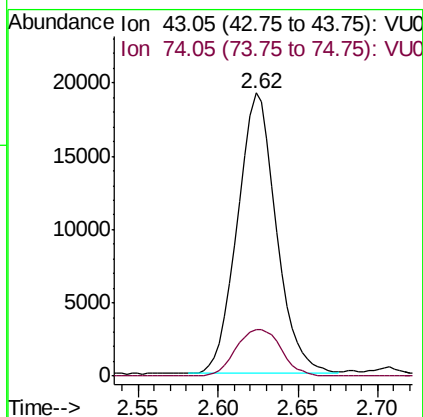
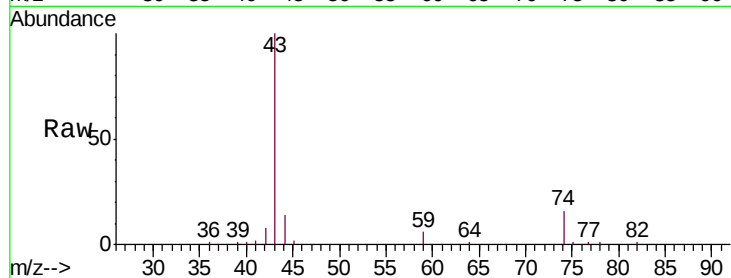




#15
Methyl Acetate
Concen: 4.270 ug/L
RT: 2.62 min Scan# 451
Delta R.T. -0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

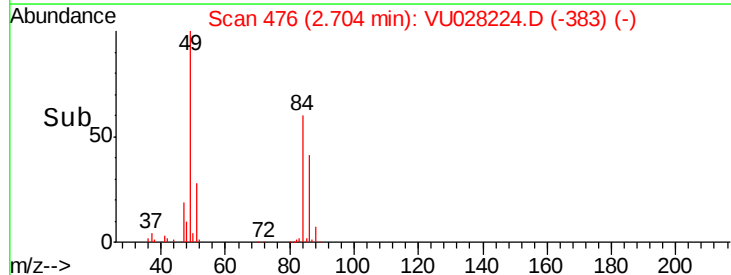
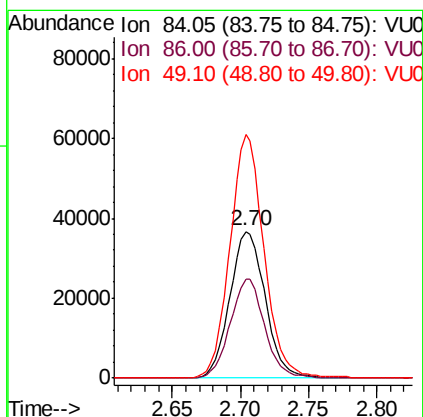
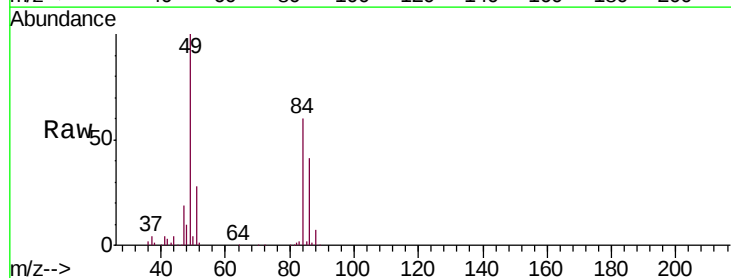
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

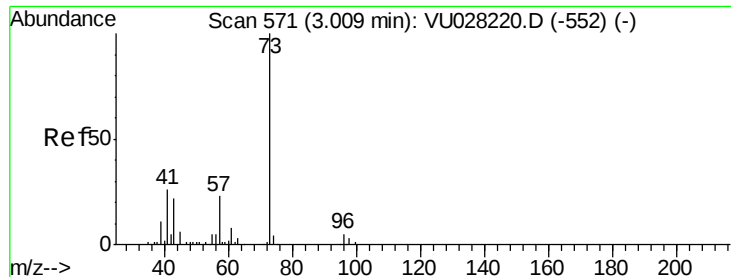
Tgt Ion: 43 Resp: 31486
Ion Ratio Lower Upper
43 100
74 19.5 14.7 22.1



#16
Methylene chloride
Concen: 5.304 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

Tgt Ion: 84 Resp: 66085
Ion Ratio Lower Upper
84 100
86 67.4 45.3 84.1
49 165.7 107.9 200.5





#17

Methyl tert-butyl Ether

Concen: 4.564 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

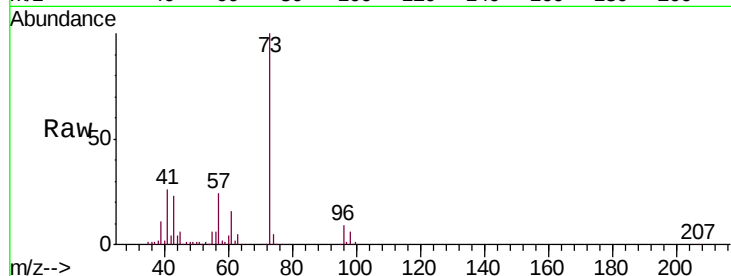
Tgt Ion: 73 Resp: 135594

Ion Ratio Lower Upper

73 100

43 23.2 18.8 28.2

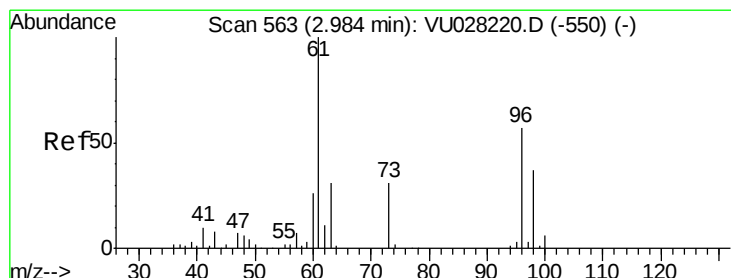
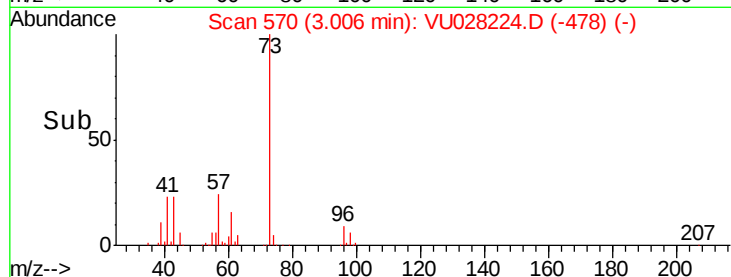
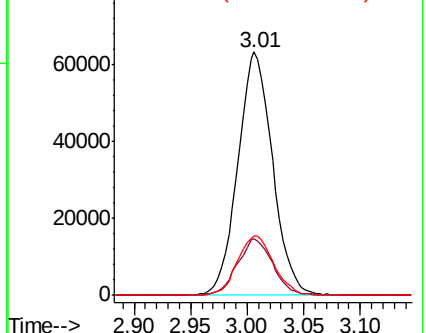
57 25.4 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU028224.D (-478) (-)

Ion 43.05 (42.75 to 43.75): VU028224.D (-478) (-)

Ion 57.10 (56.80 to 57.80): VU028224.D (-478) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.607 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

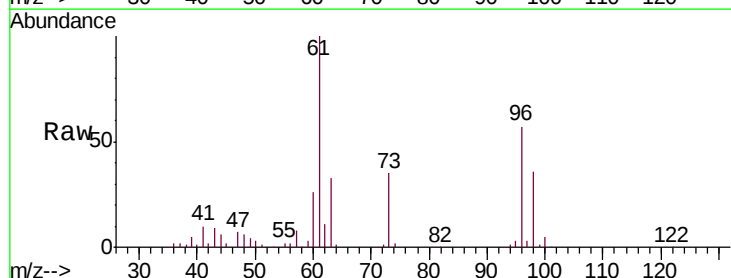
Tgt Ion: 96 Resp: 48533

Ion Ratio Lower Upper

96 100

61 174.5 122.2 227.0

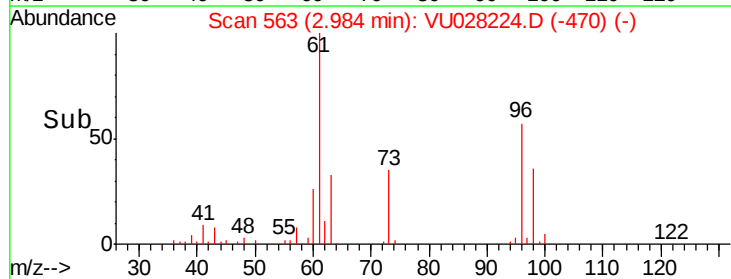
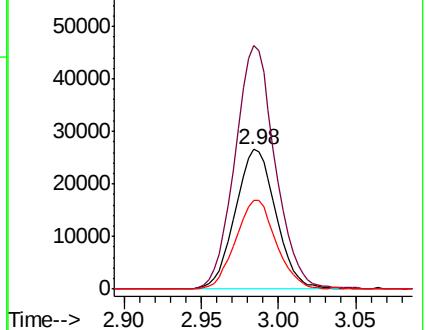
98 63.5 44.9 83.5

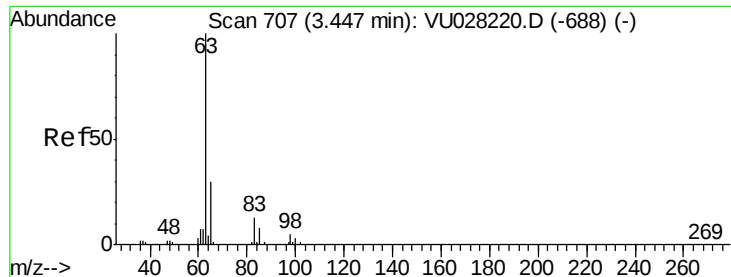


Abundance Ion 96.00 (95.70 to 96.70): VU028224.D (-470) (-)

Ion 61.05 (60.75 to 61.75): VU028224.D (-470) (-)

Ion 97.95 (97.65 to 98.65): VU028224.D (-470) (-)

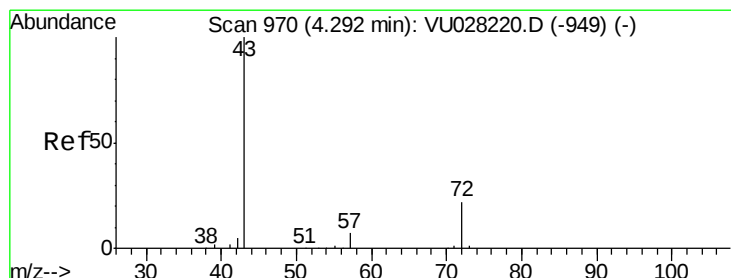
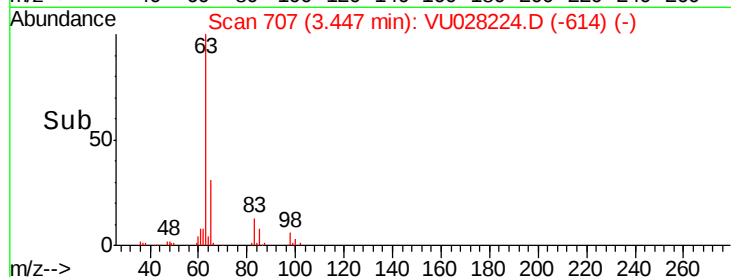
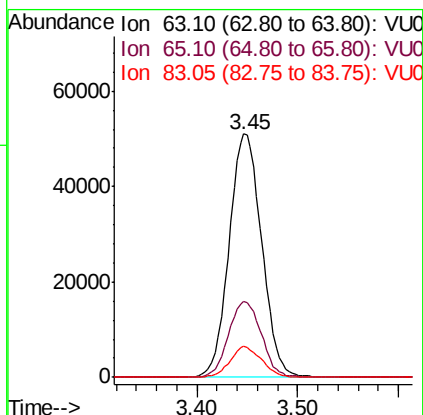
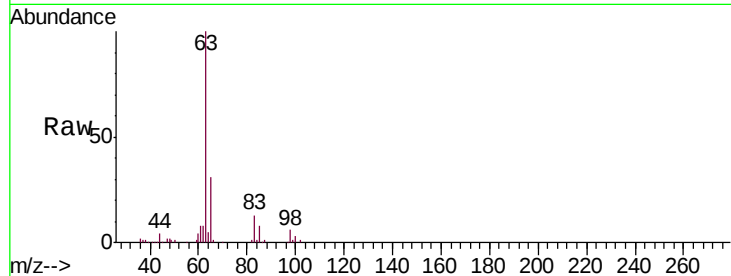




#19
 1,1-Dichloroethane
 Concen: 4.688 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

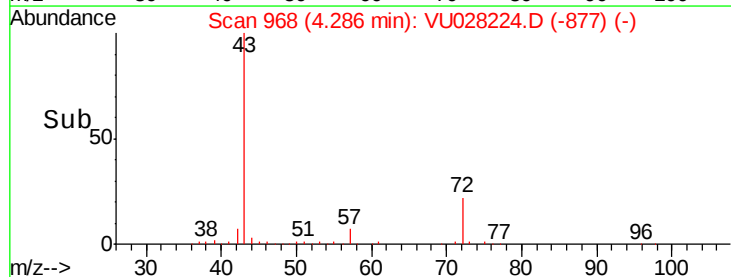
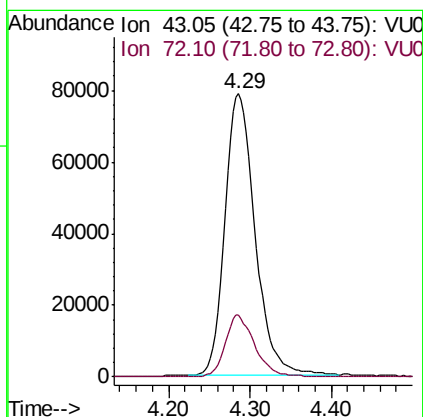
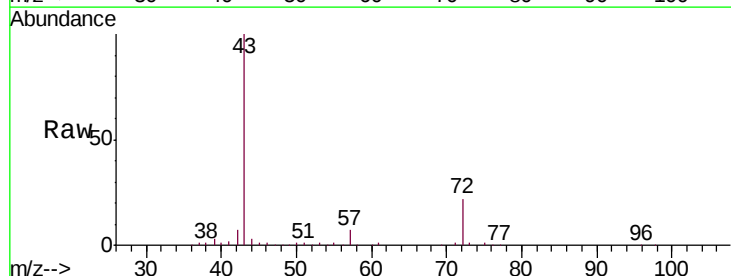
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

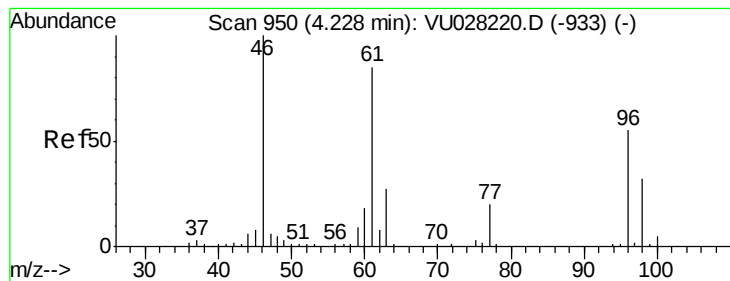
Tgt Ion: 63 Resp: 114510
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.2 39.4
 83 12.6 8.8 16.4



#21
 2-Butanone
 Concen: 46.423 ug/L
 RT: 4.29 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Tgt Ion: 43 Resp: 205662
 Ion Ratio Lower Upper
 43 100
 72 20.5 10.7 32.1



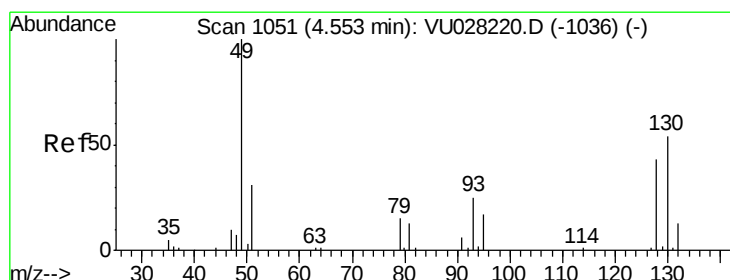
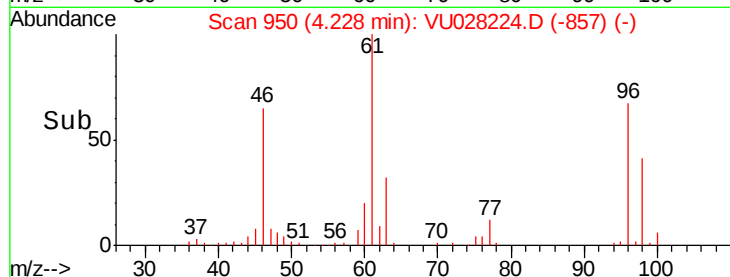
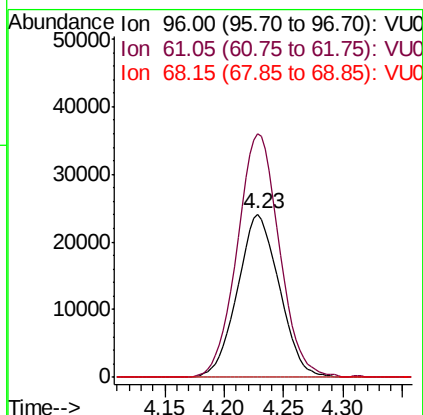
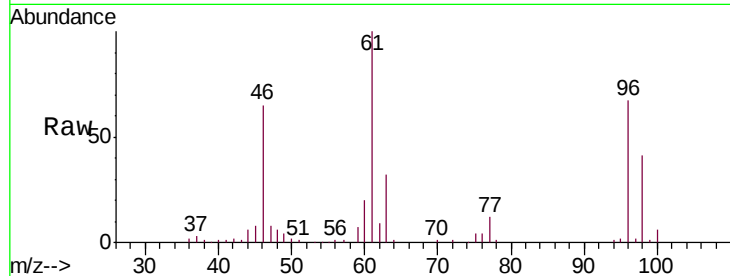


#22

cis-1,2-Dichloroethene
Concen: 4.716 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

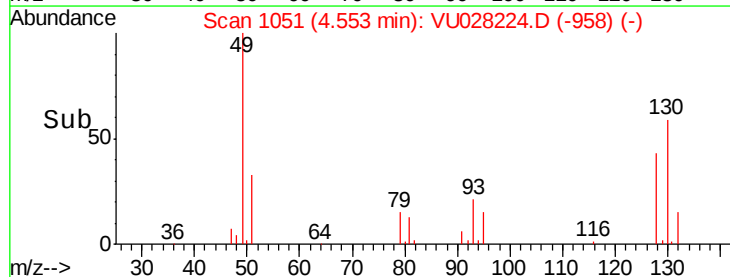
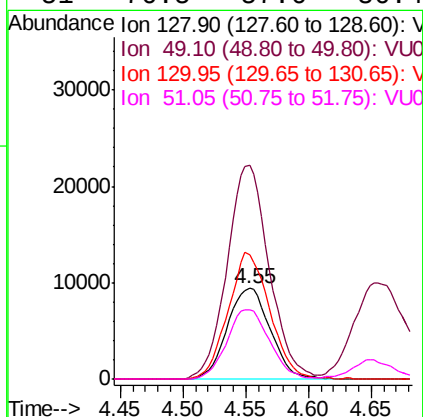
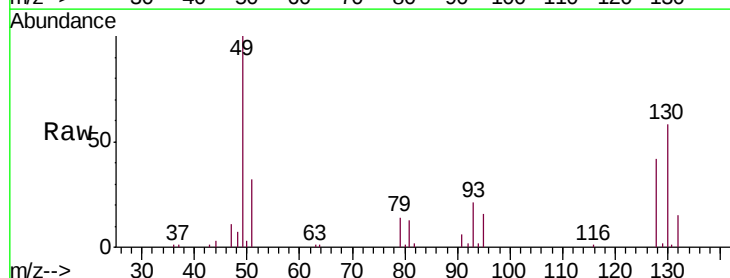
Tgt Ion: 96 Resp: 58721
Ion Ratio Lower Upper
96 100
61 149.3 108.0 200.6
68 0.0 0.0 0.0

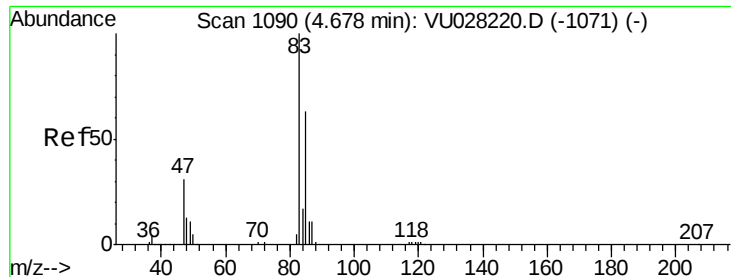


#23

Bromochloromethane
Concen: 4.593 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

Tgt Ion: 128 Resp: 22381
Ion Ratio Lower Upper
128 100
49 236.1 162.0 300.8
130 137.9 87.7 162.9
51 76.5 57.6 86.4

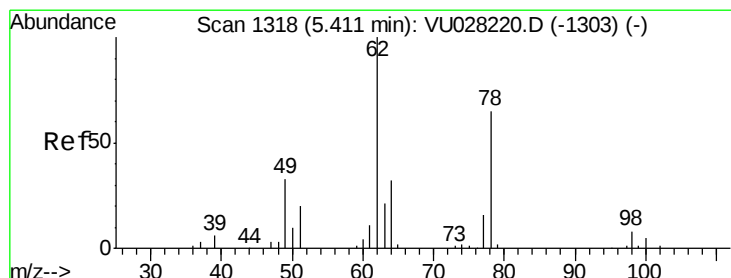
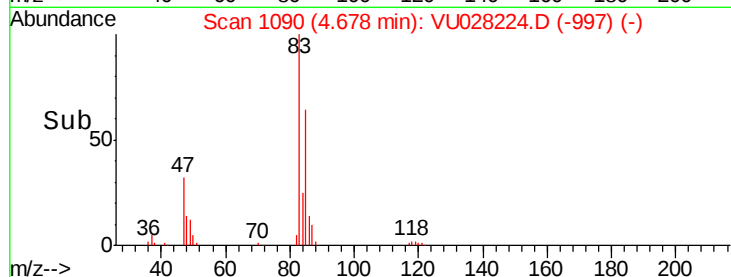
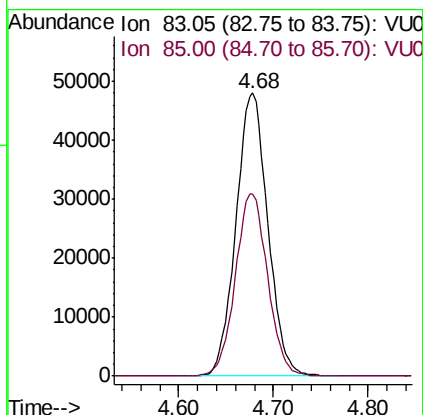
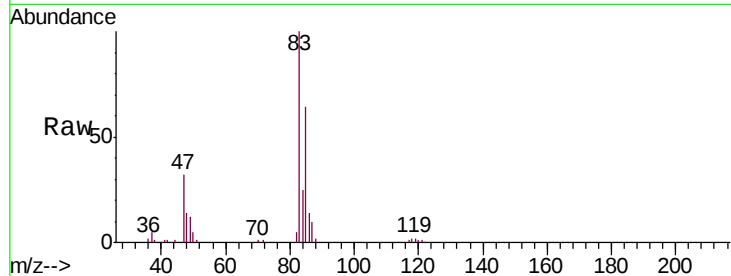




#25
Chloroform
Concen: 4.256 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

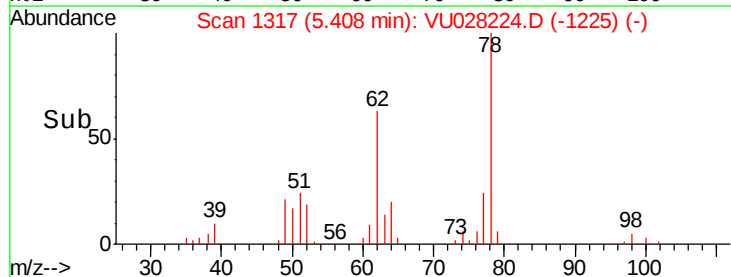
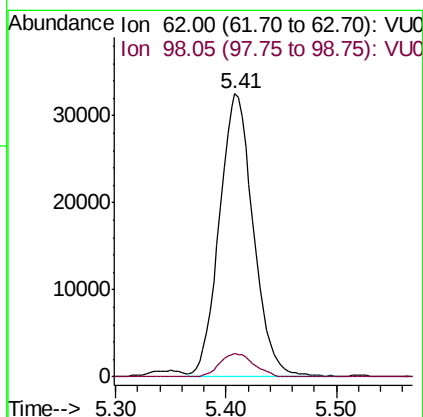
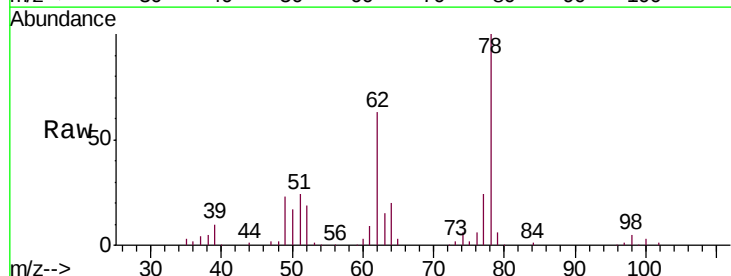
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

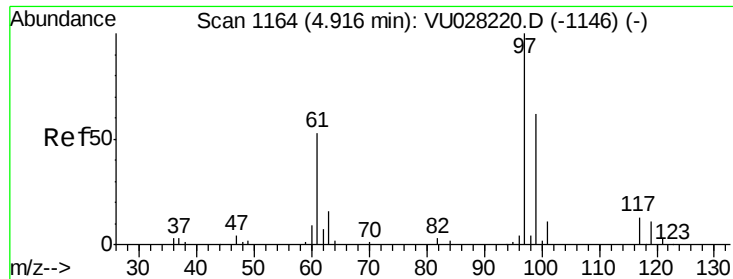
Tgt Ion: 83 Resp: 112507
Ion Ratio Lower Upper
83 100
85 64.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.601 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

Tgt Ion: 62 Resp: 69516
Ion Ratio Lower Upper
62 100
98 8.2 6.2 9.4

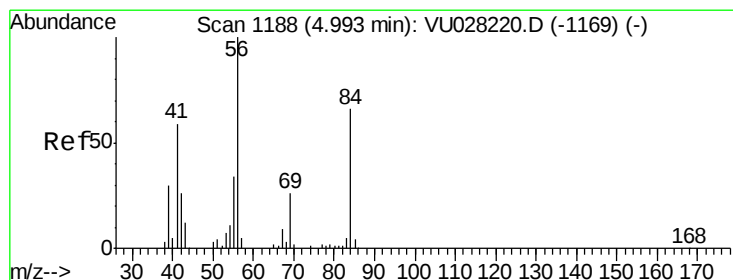
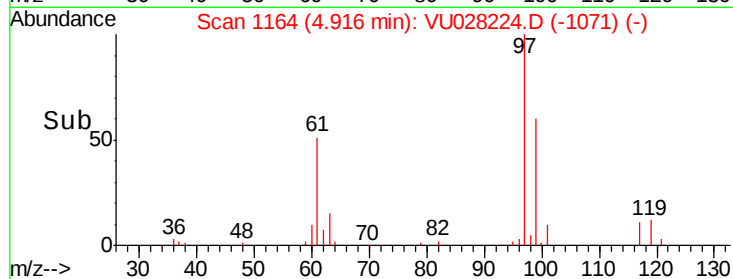
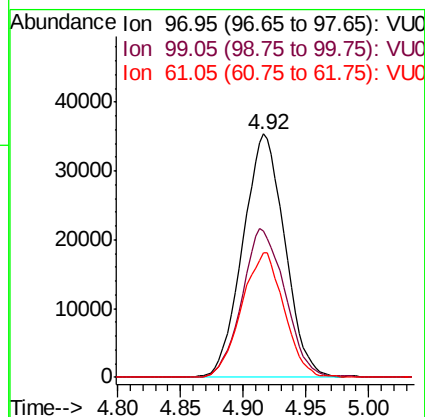
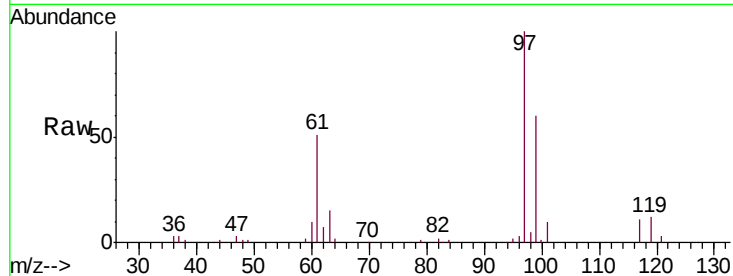




#29
 1,1,1-Trichloroethane
 Concen: 4.834 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

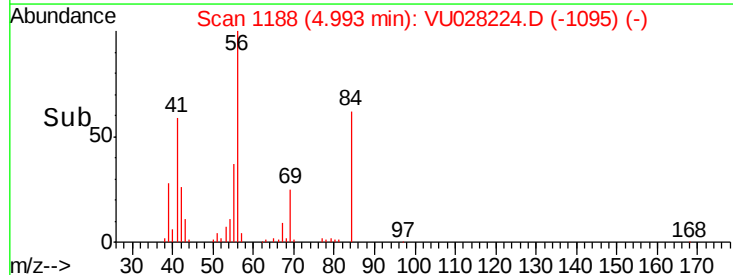
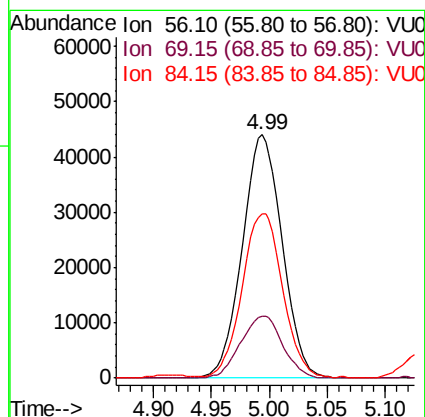
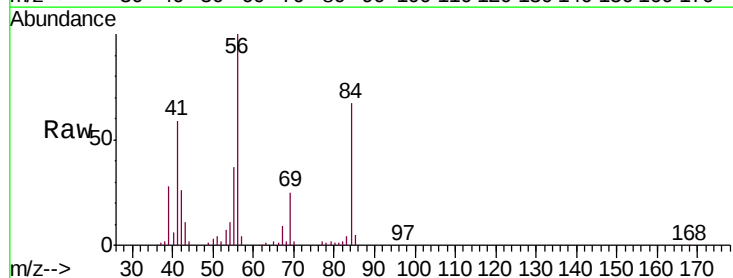
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

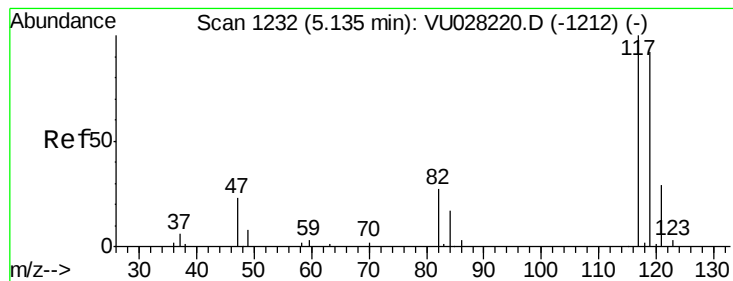
Tgt Ion: 97 Resp: 82314
 Ion Ratio Lower Upper
 97 100
 99 62.3 50.8 76.2
 61 51.9 42.6 64.0



#30
 Cyclohexane
 Concen: 4.736 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Tgt Ion: 56 Resp: 105521
 Ion Ratio Lower Upper
 56 100
 69 26.6 22.0 33.0
 84 67.7 56.0 84.0





#31

Carbon tetrachloride

Concen: 4.893 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

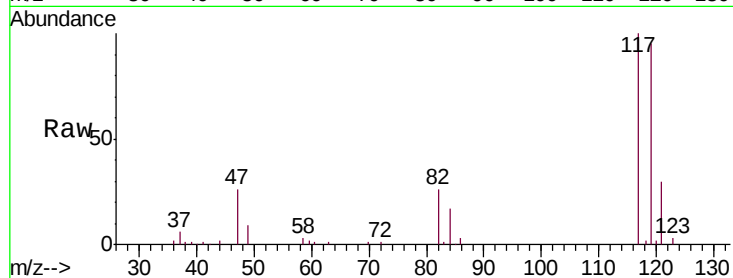
VSTD00520

Tgt Ion:117 Resp: 68352

Ion Ratio Lower Upper

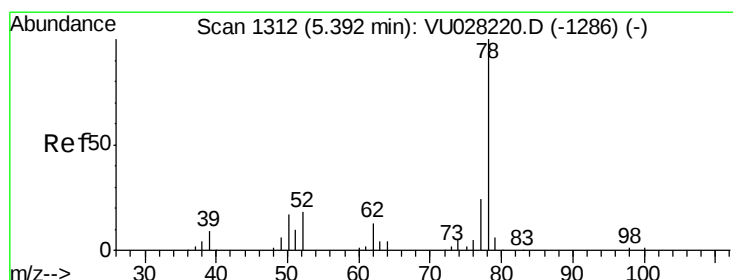
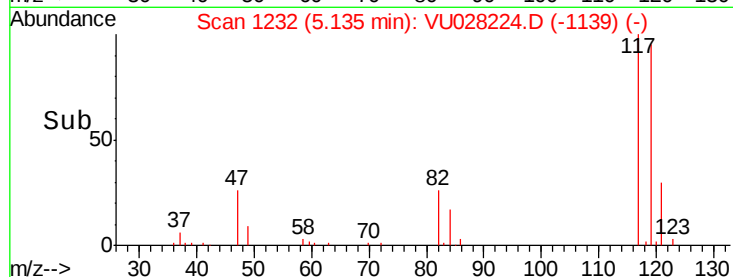
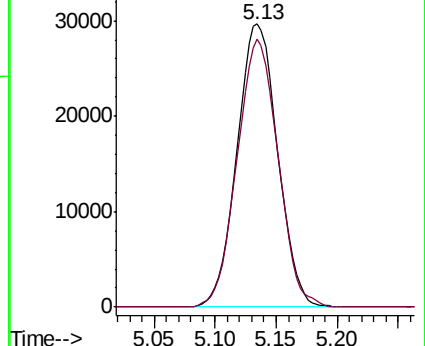
117 100

119 95.2 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.796 ug/L

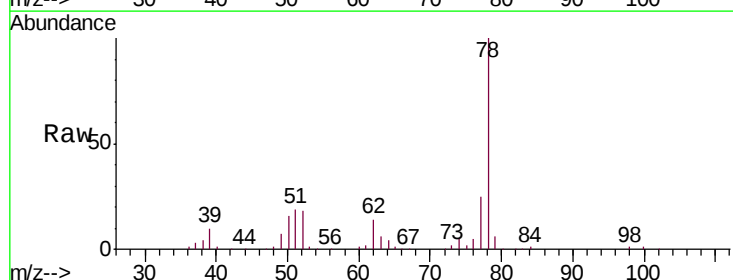
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

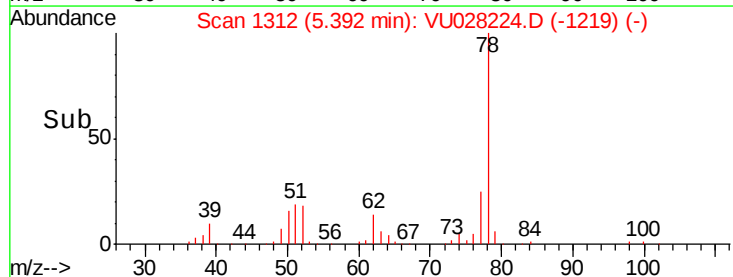
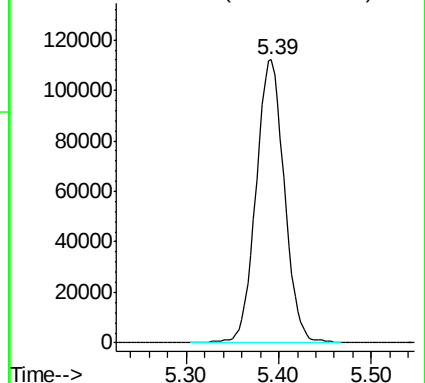
Lab File: VU028224.D

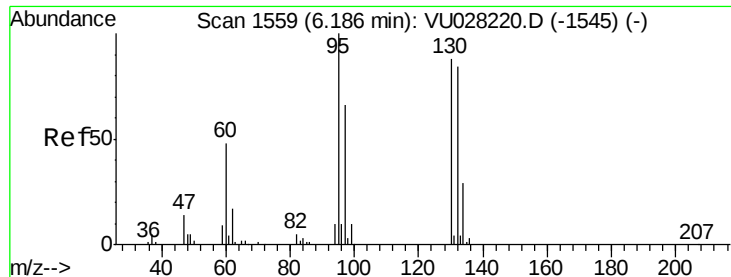
Acq: 17 Nov 2018 14:45

Tgt Ion: 78 Resp: 239021



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.741 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion: 95 Resp: 57841

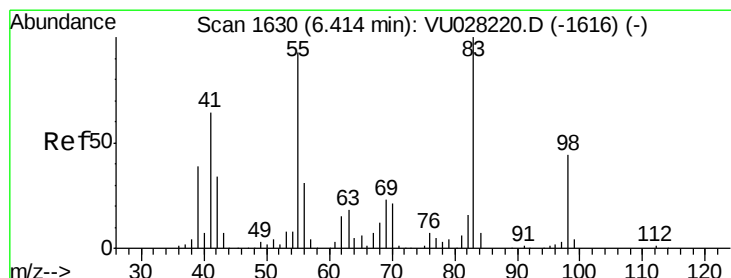
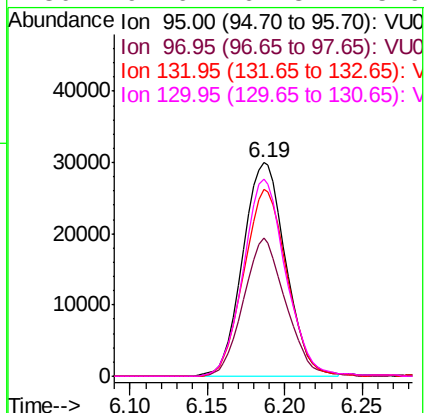
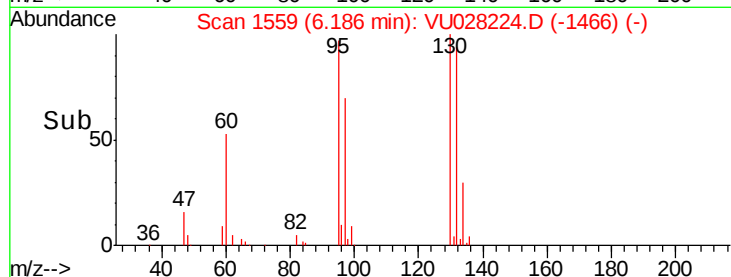
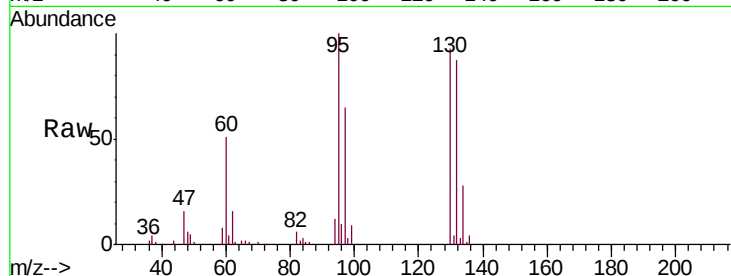
Ion Ratio Lower Upper

95 100

97 64.9 46.5 86.3

132 87.5 58.9 109.3

130 92.6 61.3 113.9



#35

Methylcyclohexane

Concen: 4.717 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

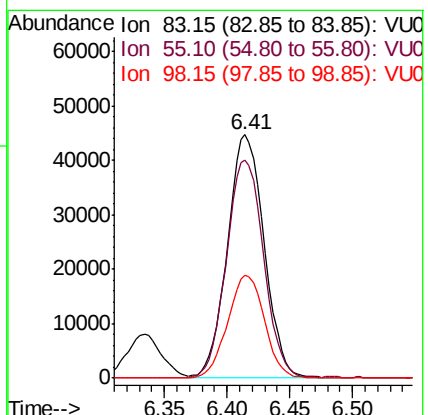
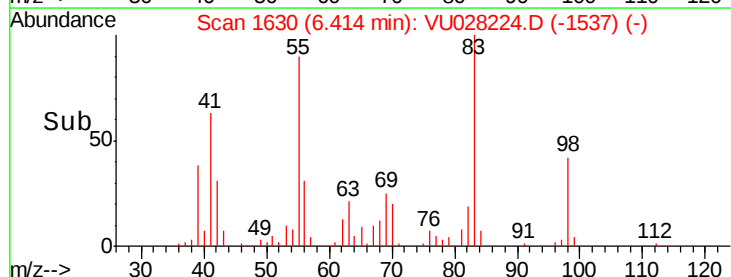
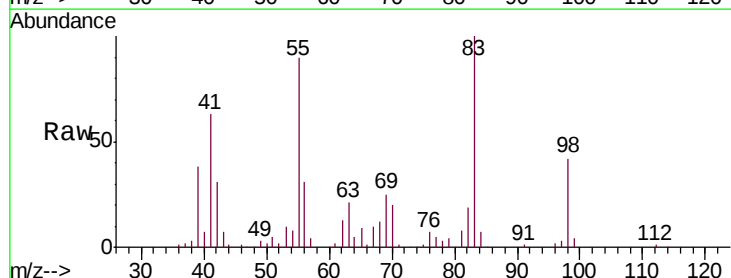
Tgt Ion: 83 Resp: 90666

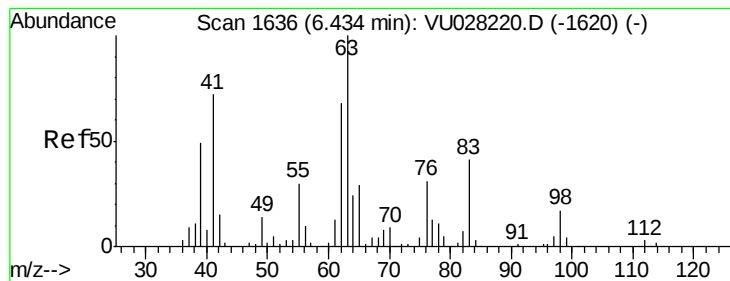
Ion Ratio Lower Upper

83 100

55 91.4 73.2 109.8

98 42.5 33.4 50.2

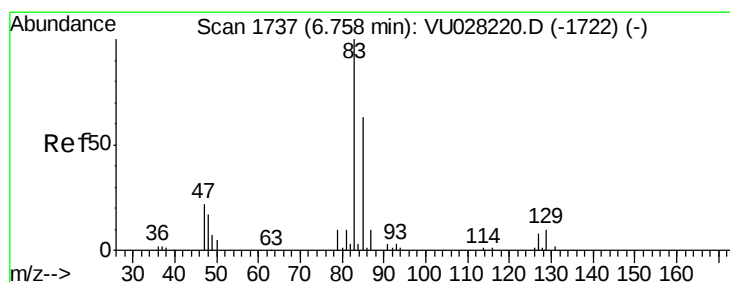
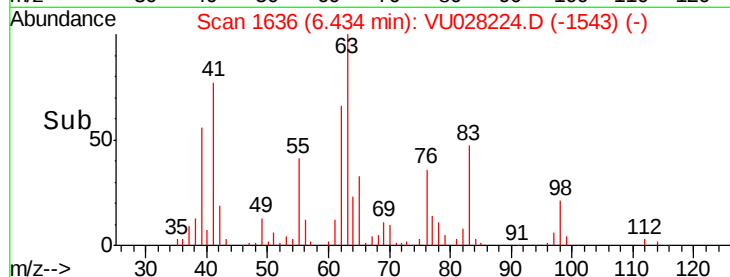
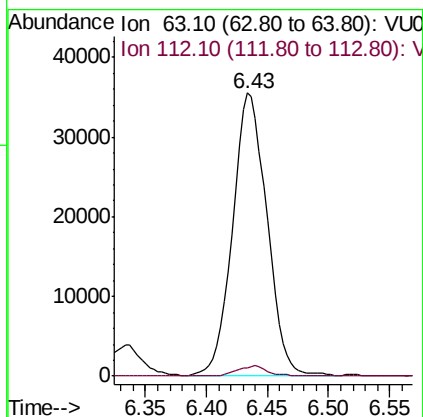
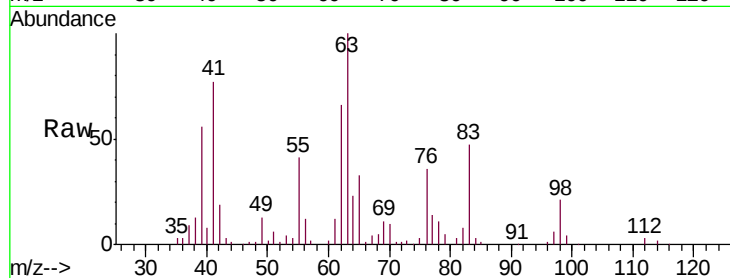




#37
 1,2-Dichloropropane
 Concen: 4.897 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

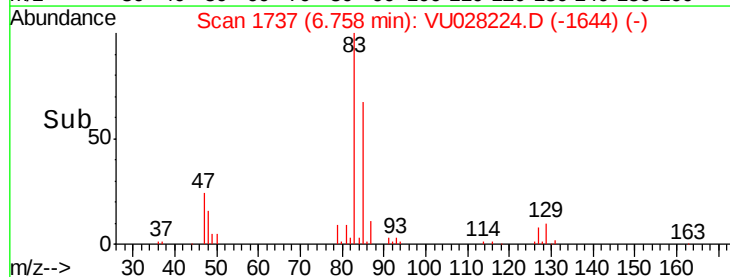
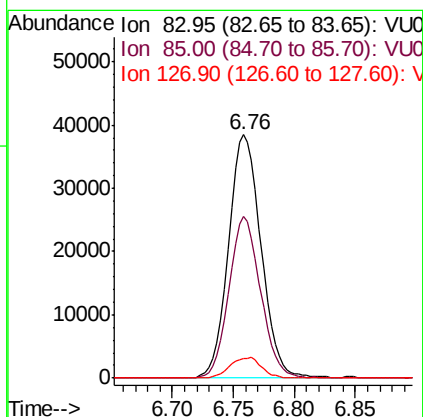
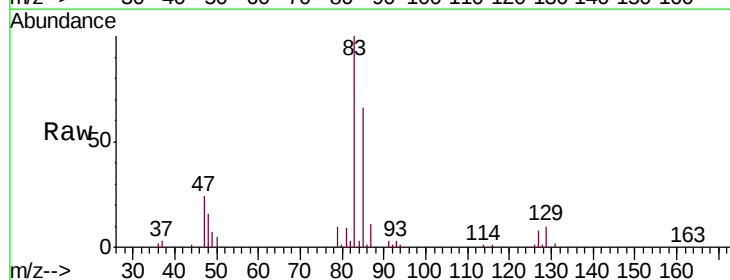
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

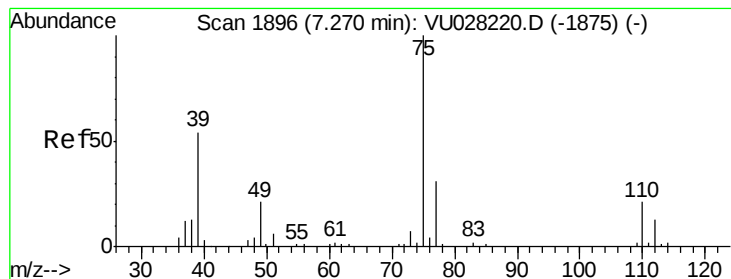
Tgt Ion: 63 Resp: 69633
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.2 3.2



#38
 Bromodichloromethane
 Concen: 4.617 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Tgt Ion: 83 Resp: 71588
 Ion Ratio Lower Upper
 83 100
 85 66.4 44.2 82.0
 127 7.9 6.2 9.4



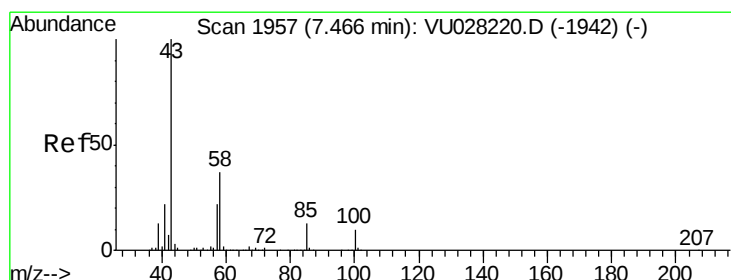
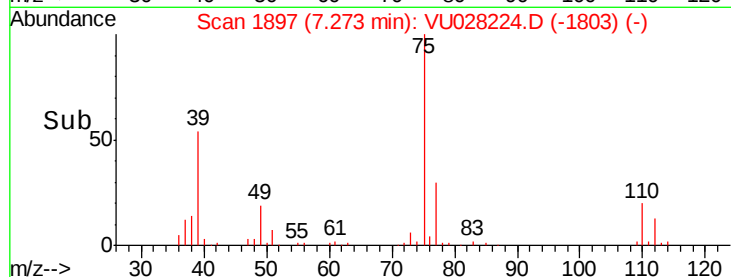
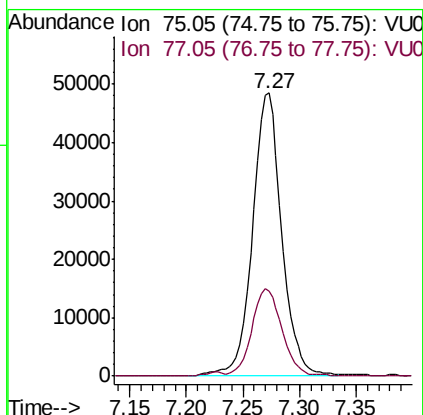
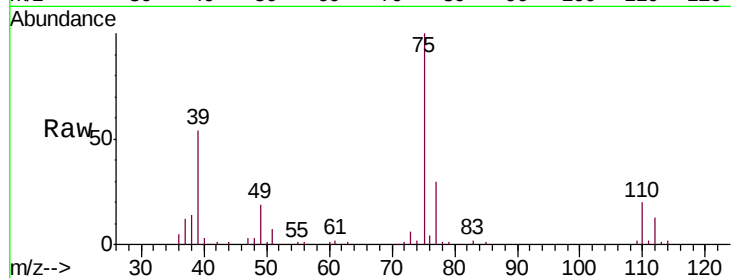


#39

cis-1,3-Dichloropropene
 Concen: 4.828 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

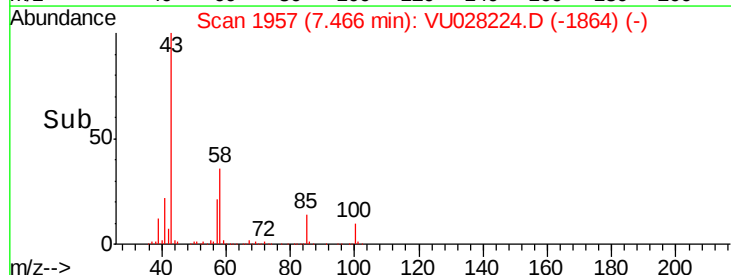
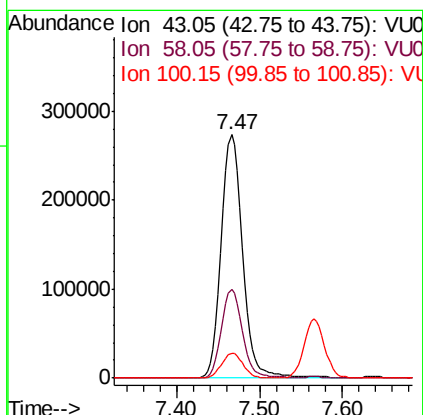
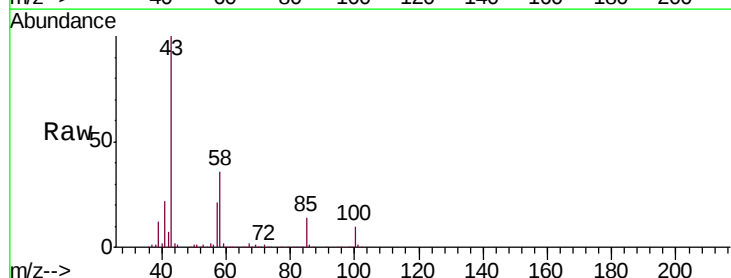
Tgt Ion: 75 Resp: 87005
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.7 40.3

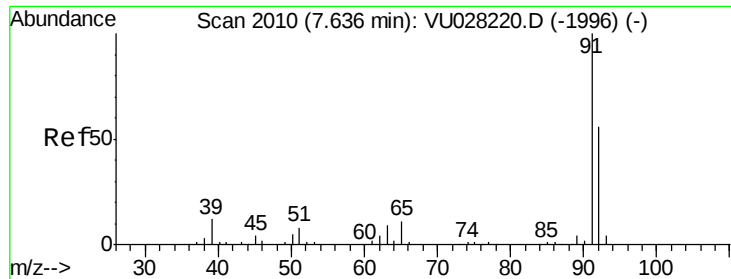


#40

4-Methyl-2-pentanone
 Concen: 48.311 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Tgt Ion: 43 Resp: 491129
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.8 43.2
 100 10.1 8.0 12.0





#42

Toluene

Concen: 4.864 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

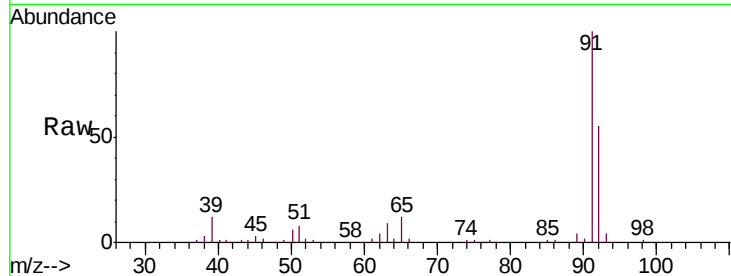
VSTD00520

Tgt Ion: 91 Resp: 245684

Ion Ratio Lower Upper

91 100

92 55.4 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

150000

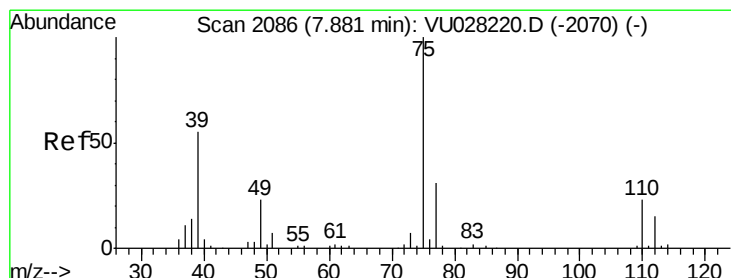
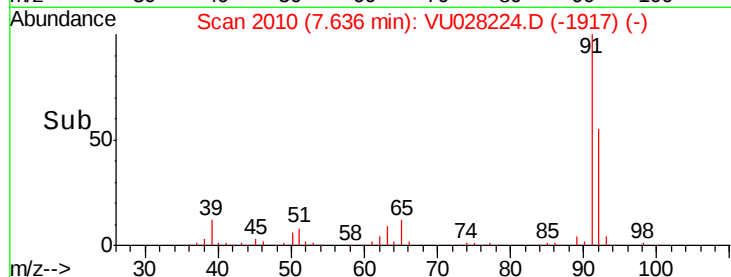
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.942 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028224.D

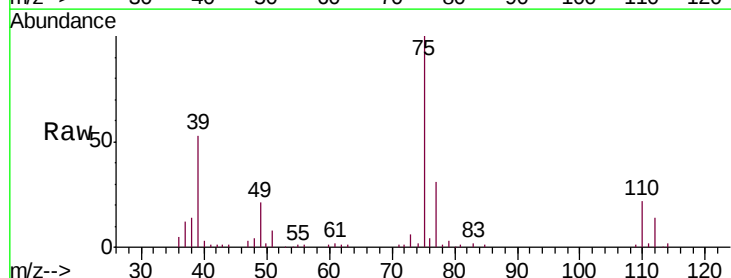
Acq: 17 Nov 2018 14:45

Tgt Ion: 75 Resp: 67005

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

40000

30000

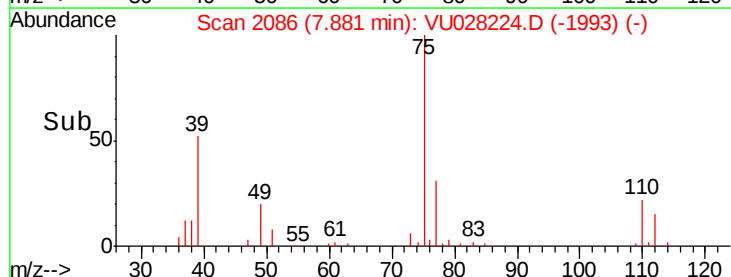
20000

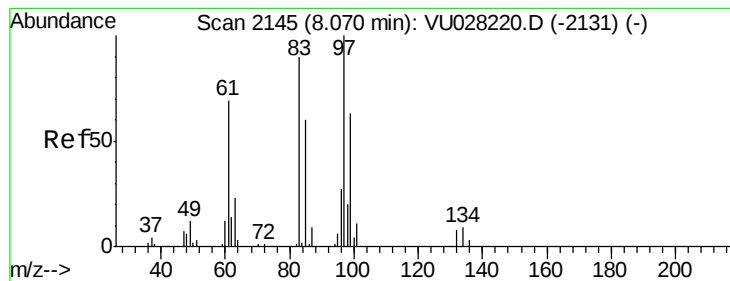
10000

0

7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.713 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion: 97 Resp: 40496

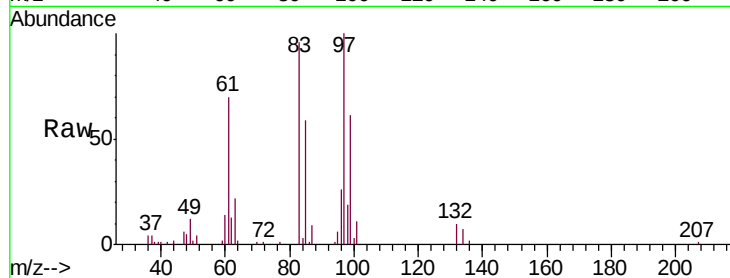
Ion Ratio Lower Upper

97 100

99 61.3 44.2 82.0

83 95.7 63.3 117.5

85 59.4 41.9 77.9

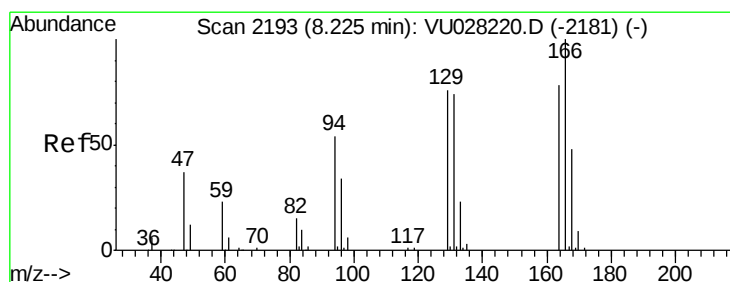
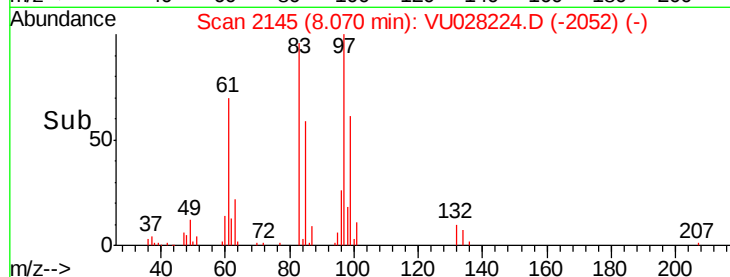
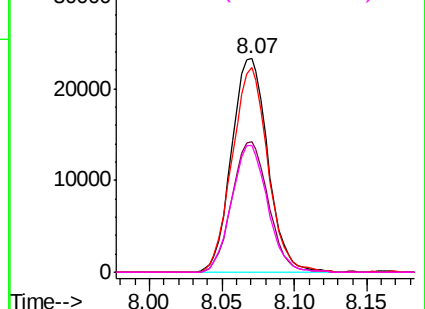


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.719 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Tgt Ion: 164 Resp: 39961

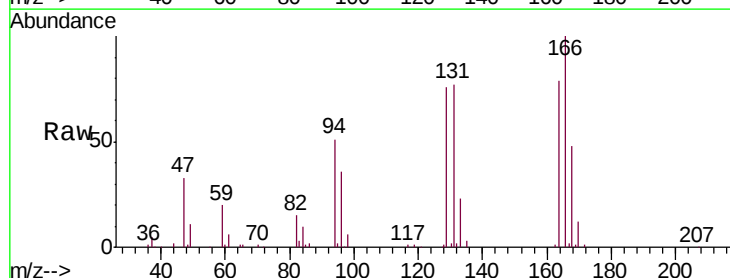
Ion Ratio Lower Upper

164 100

129 95.8 67.6 125.6

131 97.1 66.3 123.1

166 126.2 89.2 165.6

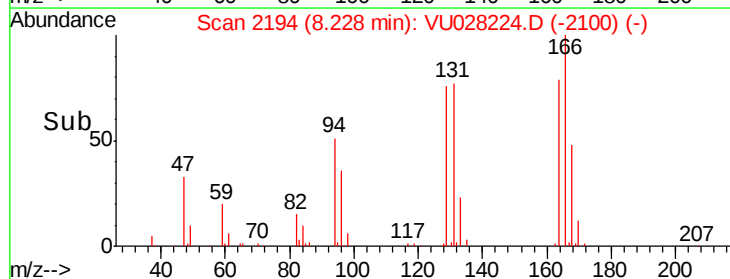
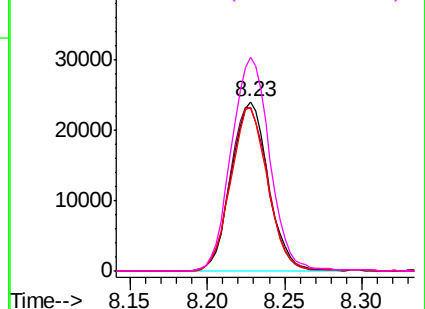


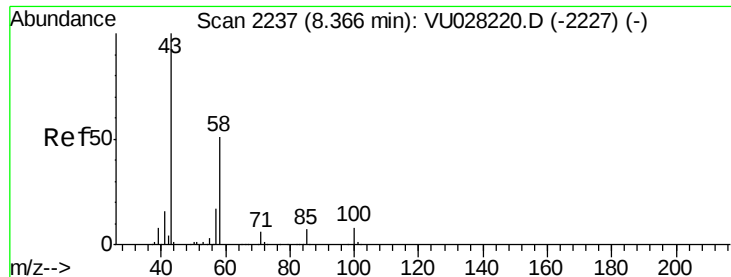
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

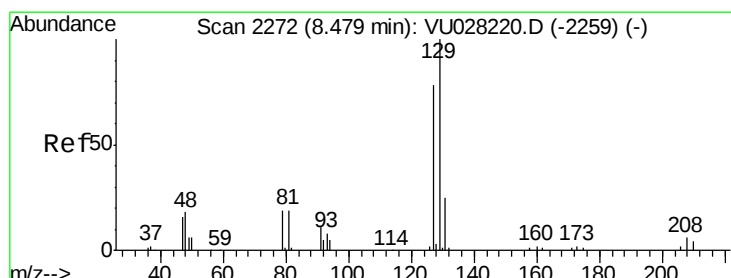
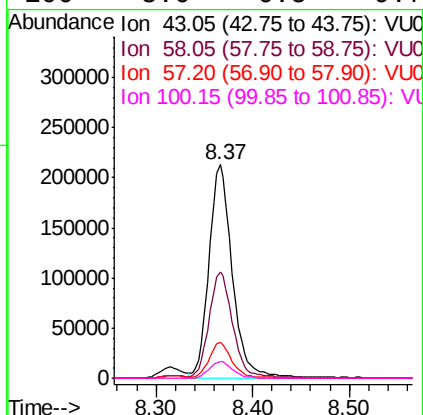
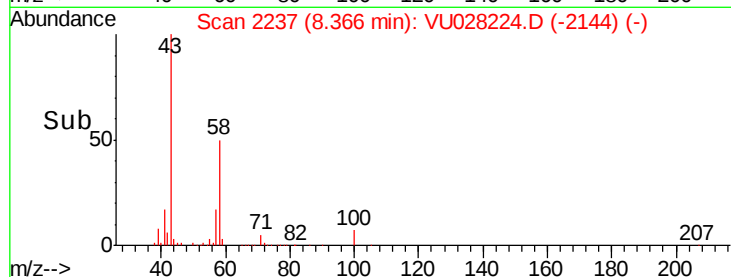
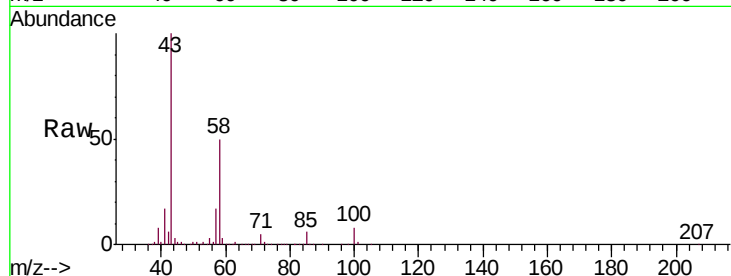




#48
2-Hexanone
Concen: 49.152 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

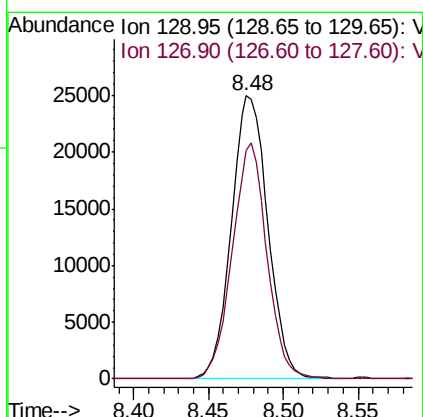
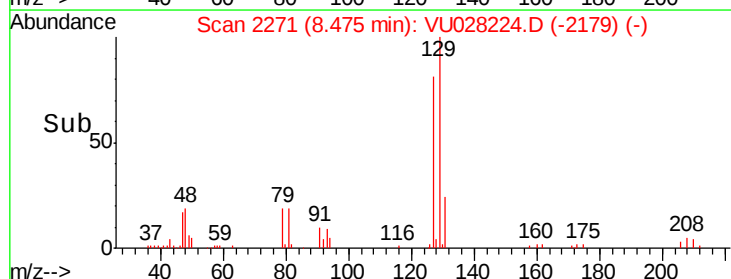
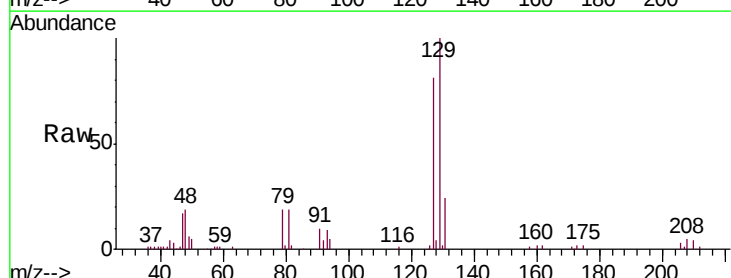
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

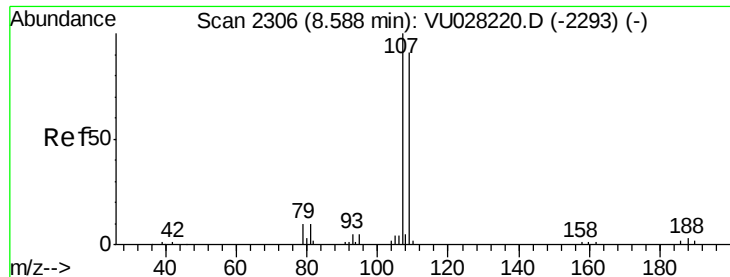
Tgt Ion: 43 Resp: 356262
Ion Ratio Lower Upper
43 100
58 50.7 41.1 61.7
57 16.4 13.8 20.8
100 8.0 6.5 9.7



#49
Dibromochloromethane
Concen: 4.877 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

Tgt Ion: 129 Resp: 42414
Ion Ratio Lower Upper
129 100
127 80.6 54.7 101.5

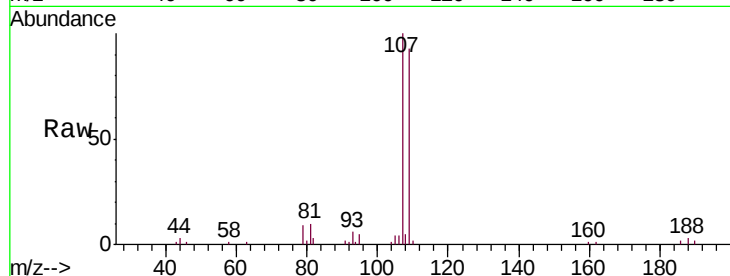




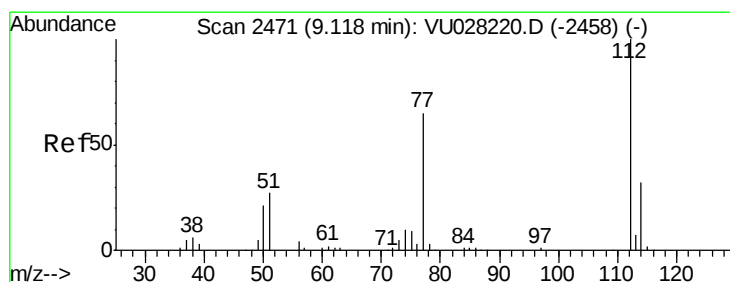
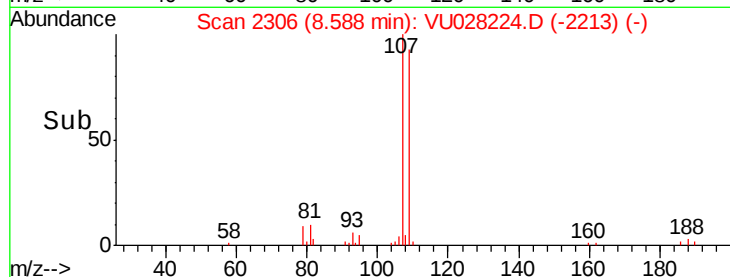
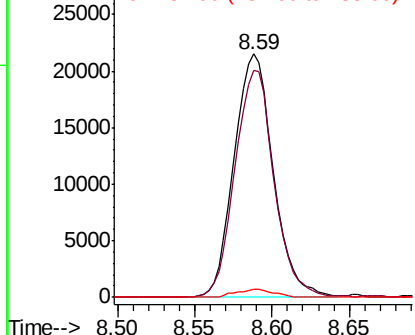
#50
 1,2-Dibromoethane
 Concen: 4.890 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:107 Resp: 37973
 Ion Ratio Lower Upper
 107 100
 109 93.3 63.7 118.3
 188 3.3 2.5 3.7

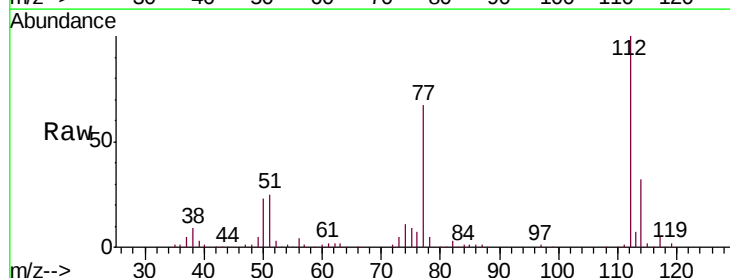


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

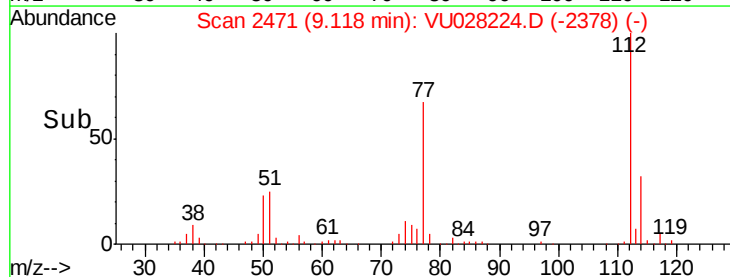
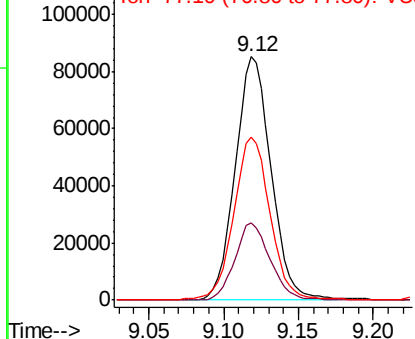


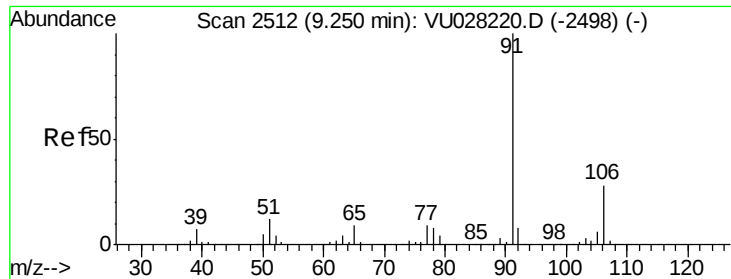
#51
 Chlorobenzene
 Concen: 4.880 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Tgt Ion:112 Resp: 141953
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.3 41.5
 77 67.0 52.4 78.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.973 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

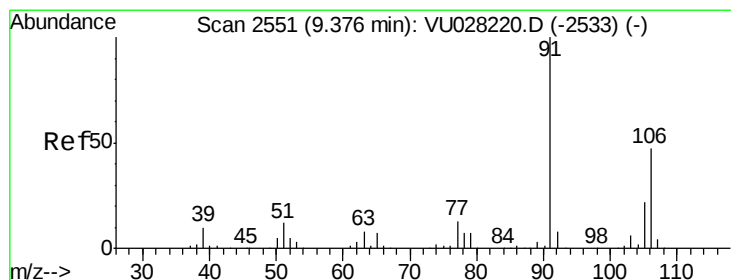
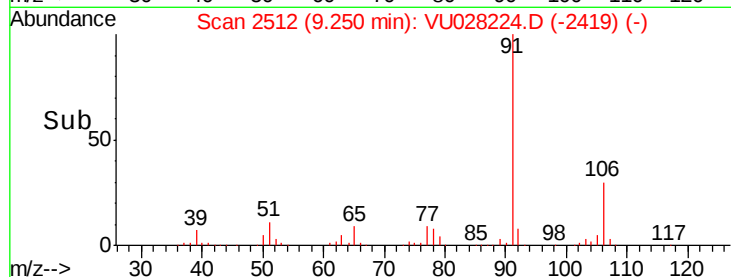
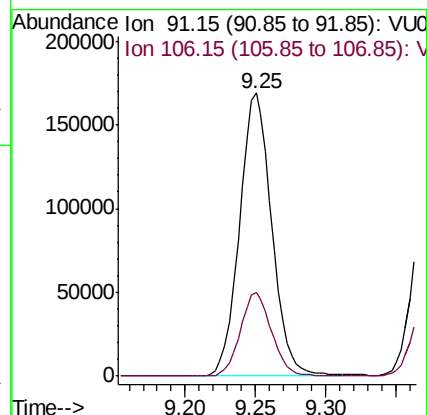
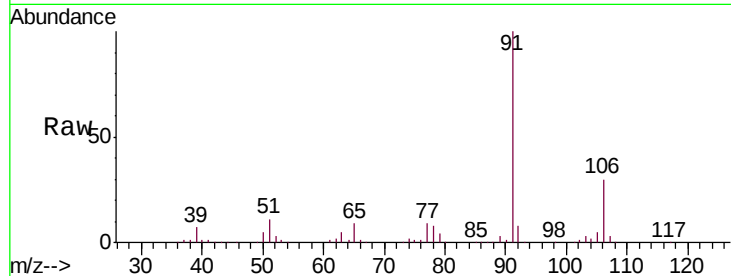
VSTD00520

Tgt Ion: 91 Resp: 270322

Ion Ratio Lower Upper

91 100

106 29.8 19.3 35.9



#53

m,p-xylene

Concen: 5.084 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028224.D

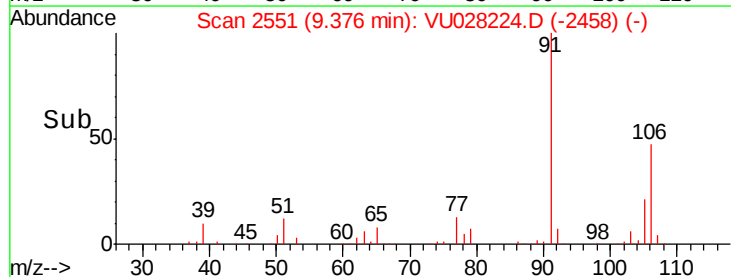
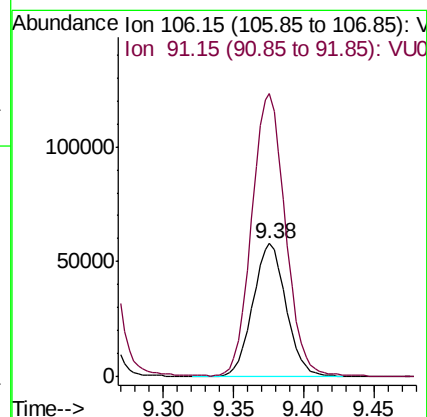
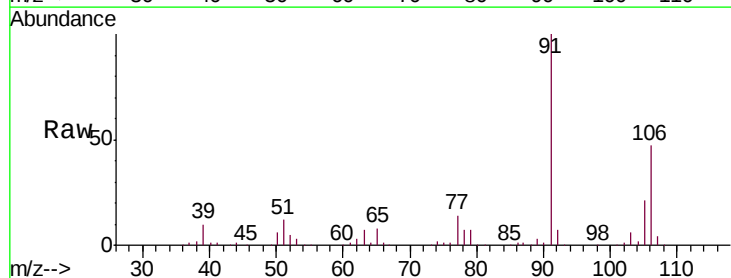
Acq: 17 Nov 2018 14:45

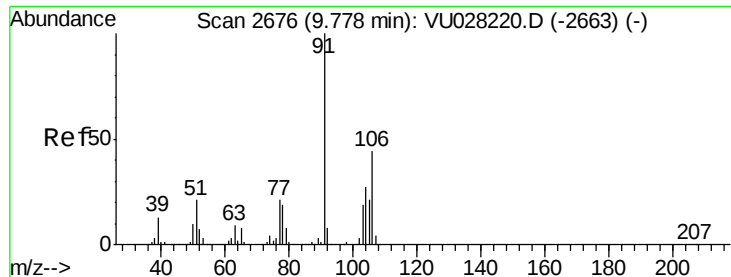
Tgt Ion: 106 Resp: 95872

Ion Ratio Lower Upper

106 100

91 212.7 150.6 279.6

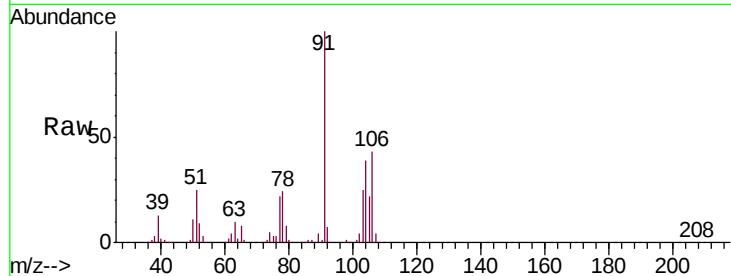




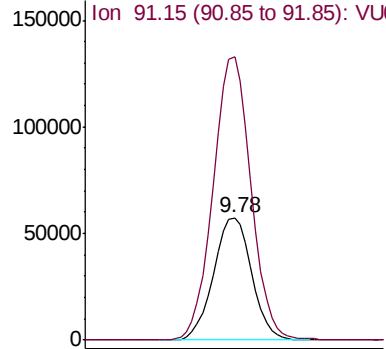
#54
o-xylene
Concen: 4.867 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

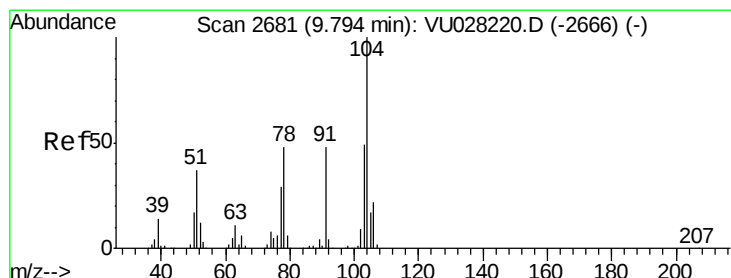
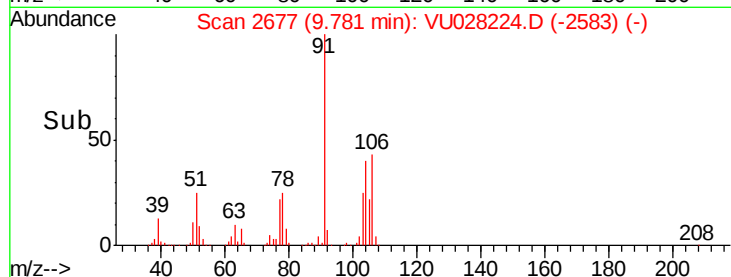
Tgt Ion:106 Resp: 91684
Ion Ratio Lower Upper
106 100
91 230.8 157.5 292.5



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

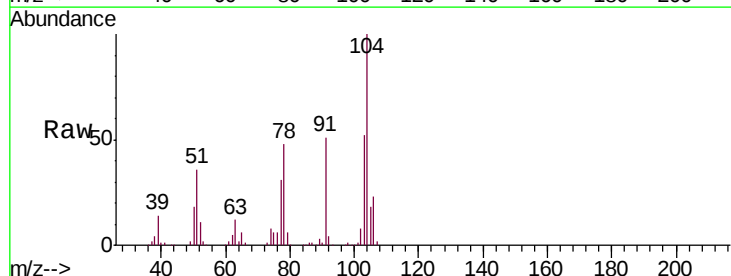


Time--> 9.70 9.75 9.80 9.85

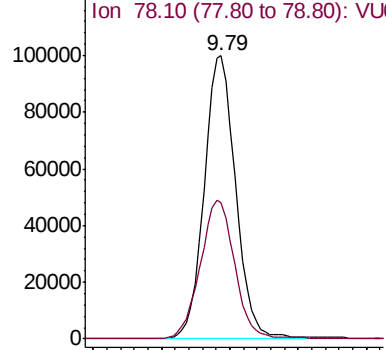


#55
Styrene
Concen: 5.047 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028224.D
Acq: 17 Nov 2018 14:45

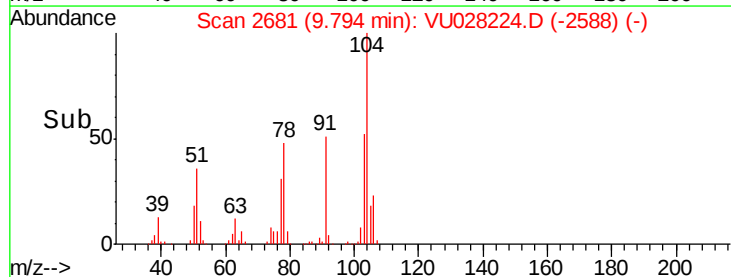
Tgt Ion:104 Resp: 159615
Ion Ratio Lower Upper
104 100
78 47.9 33.4 62.0

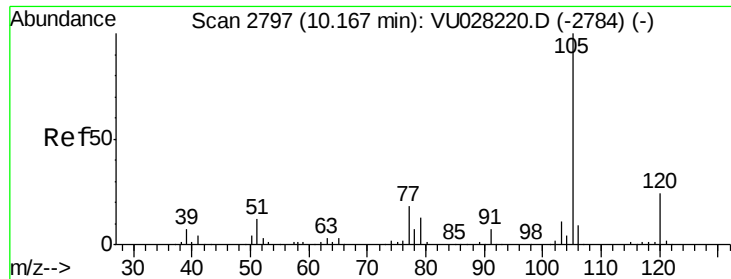


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time--> 9.70 9.75 9.80 9.85





#56

Isopropylbenzene

Concen: 4.853 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

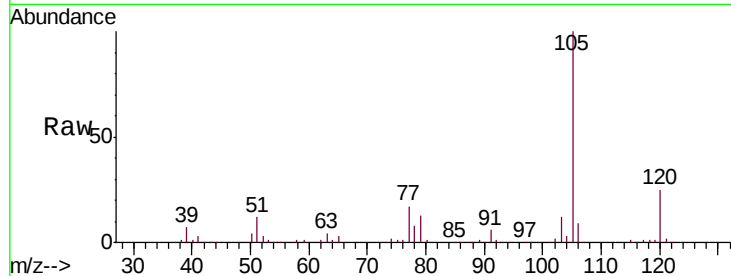
Tgt Ion: 105 Resp: 244828

Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

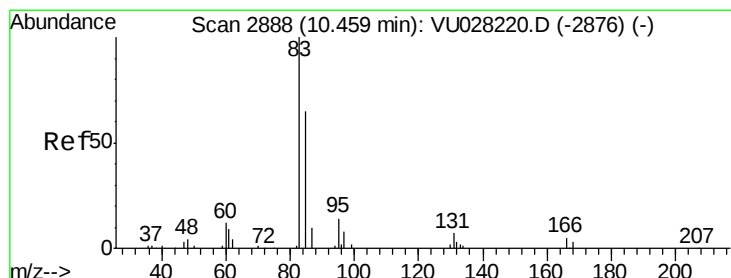
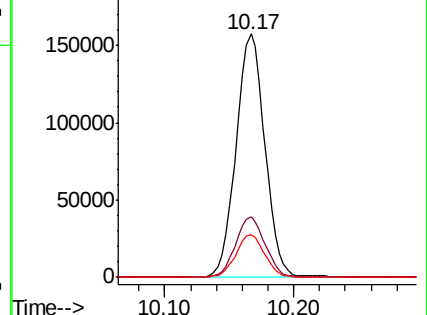
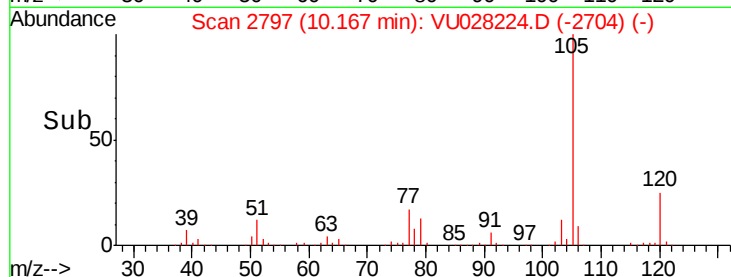
77 17.6 14.5 21.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.887 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

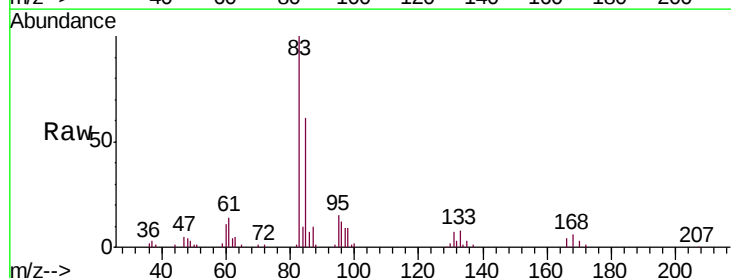
Tgt Ion: 83 Resp: 53978

Ion Ratio Lower Upper

83 100

85 61.0 46.1 85.5

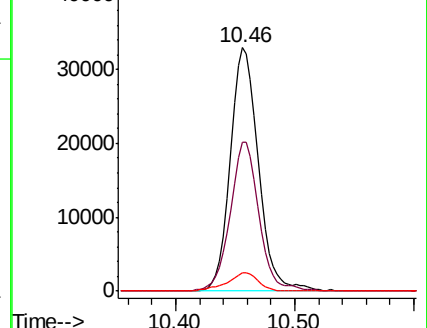
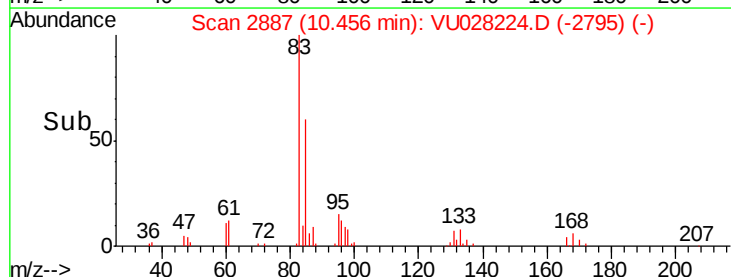
131 7.3 6.2 9.2

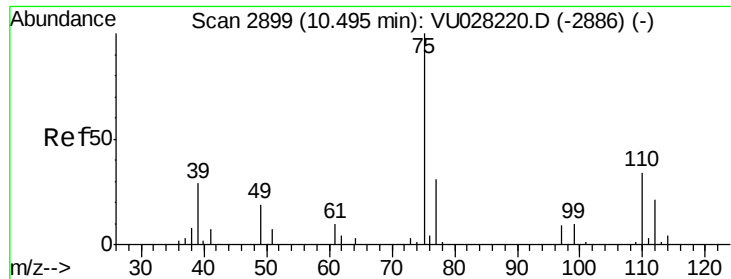


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.865 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

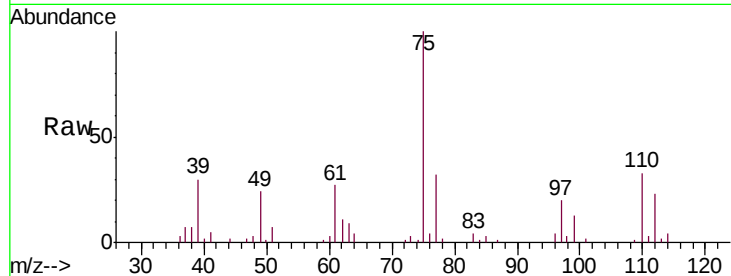
VSTD00520

Tgt Ion: 75 Resp: 39971

Ion Ratio Lower Upper

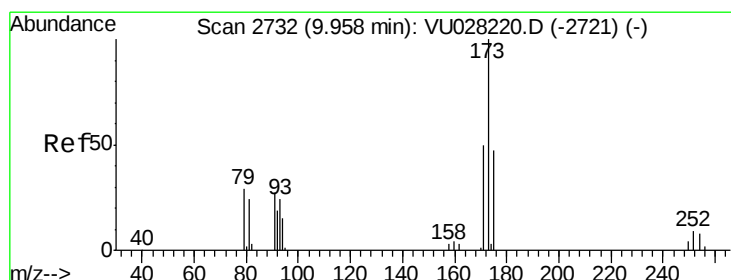
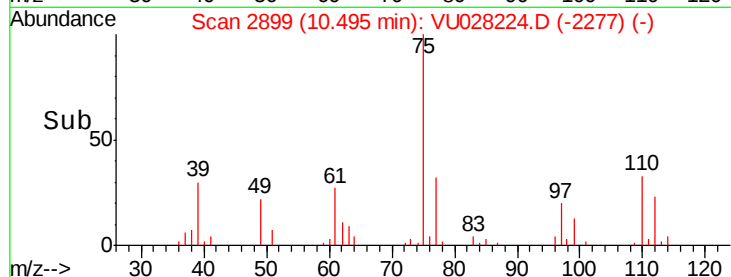
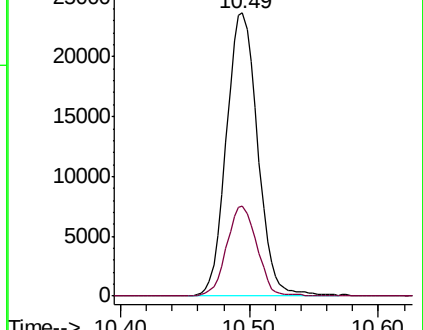
75 100

77 30.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU028220.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU028220.D (-2886) (-)



#61

Bromoform

Concen: 5.009 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

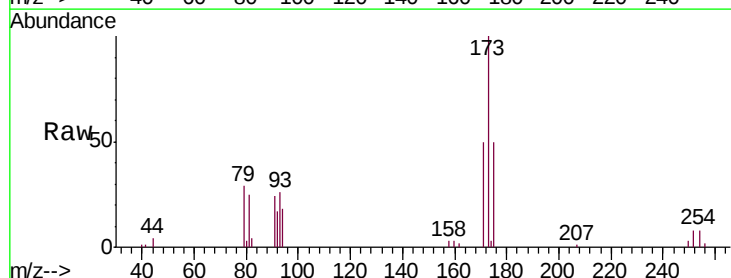
Tgt Ion: 173 Resp: 22108

Ion Ratio Lower Upper

173 100

175 48.1 38.7 58.1

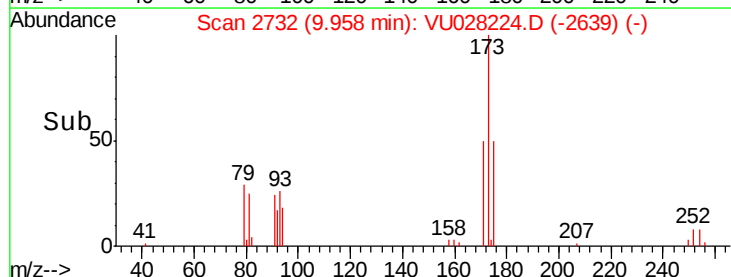
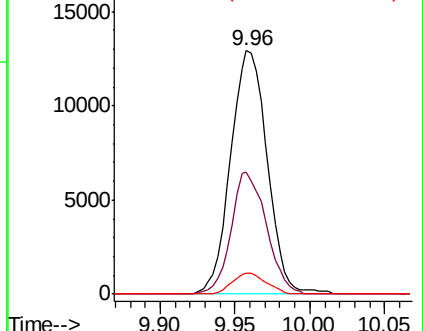
254 8.0 6.6 10.0

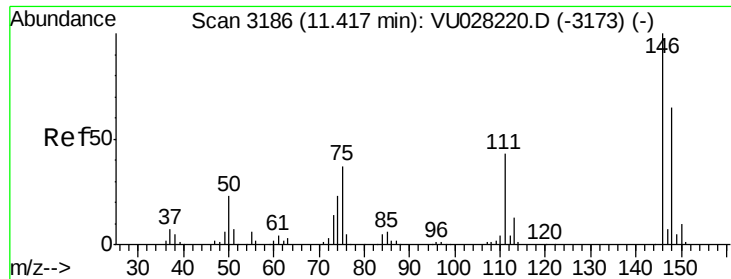


Abundance Ion 172.90 (172.60 to 173.60): VU028220.D (-2721) (-)

Ion 174.90 (174.60 to 175.60): VU028220.D (-2721) (-)

Ion 253.75 (253.45 to 254.45): VU028220.D (-2721) (-)

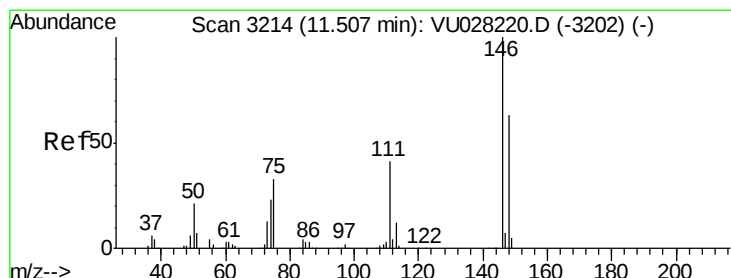
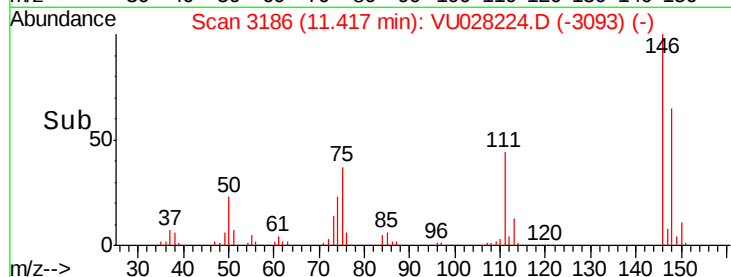
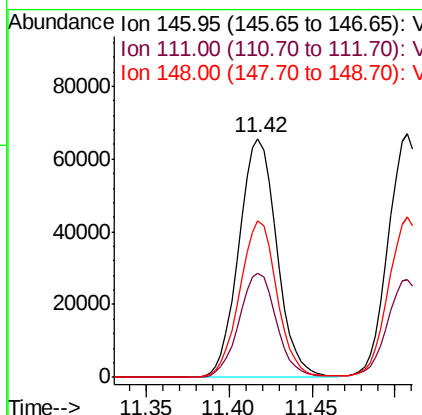
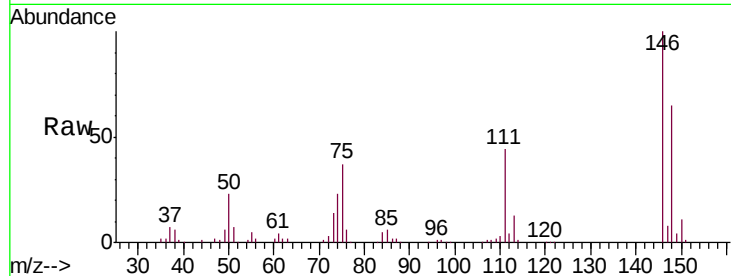




#62
 1,3-Dichlorobenzene
 Concen: 4.941 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

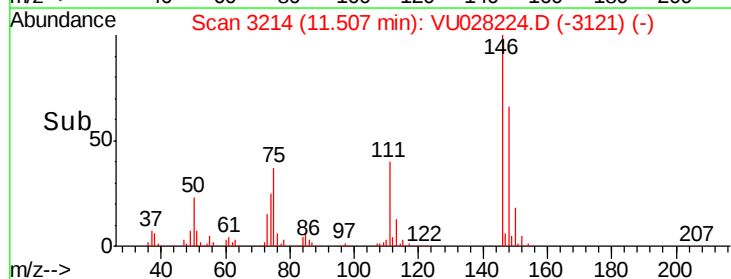
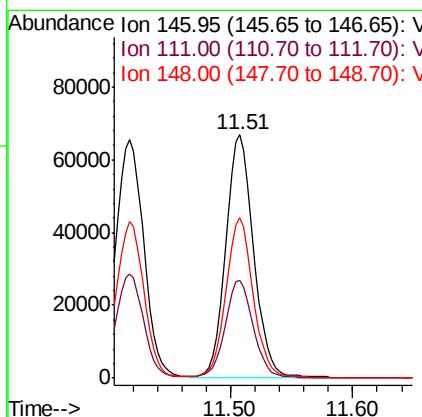
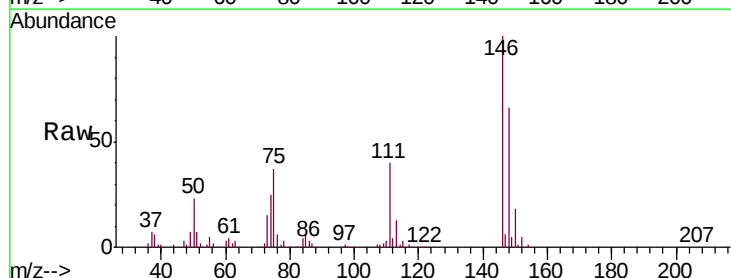
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

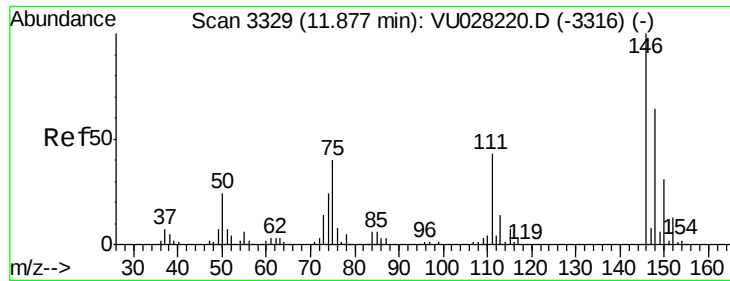
Tgt Ion:146 Resp: 104665
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.4 56.4
 148 65.4 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 4.951 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Tgt Ion:146 Resp: 107011
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.9 53.7
 148 65.8 44.5 82.7

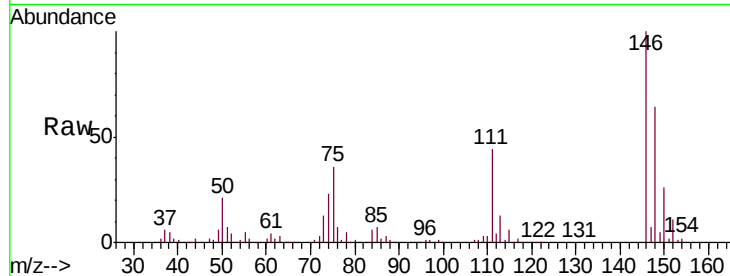




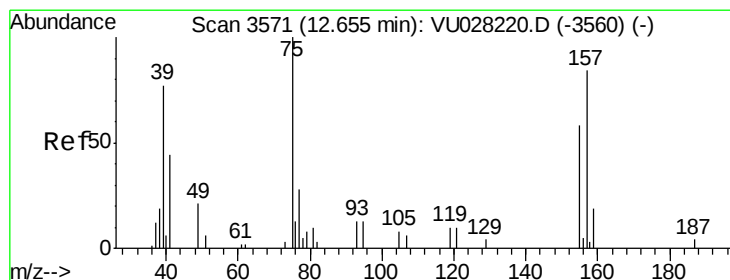
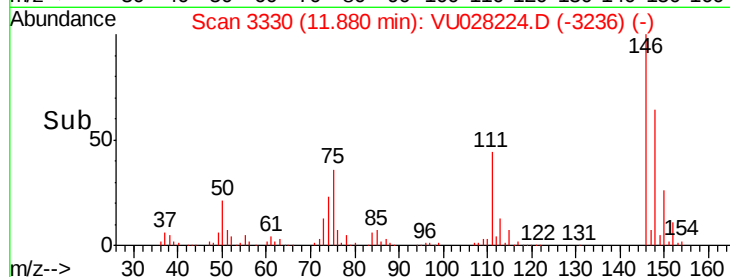
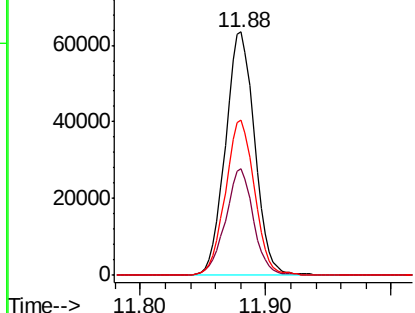
#65
 1,2-Dichlorobenzene
 Concen: 4.941 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 146 Resp: 102625
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.7 52.1
 148 63.9 51.2 76.8

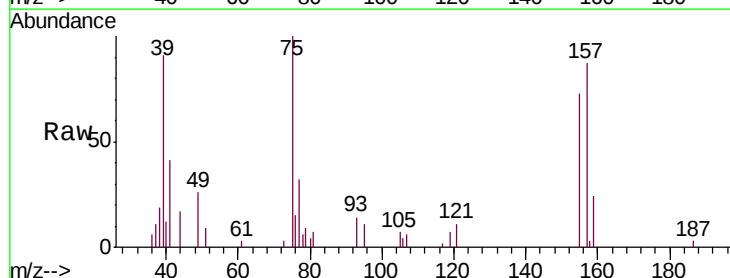


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

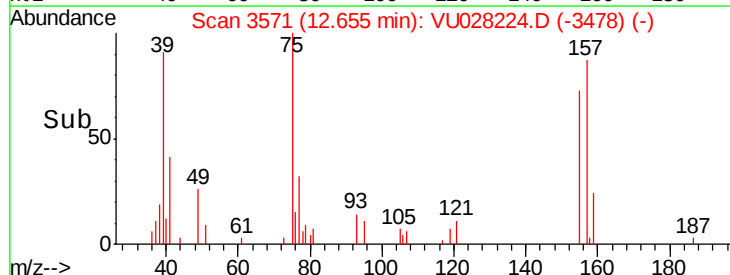
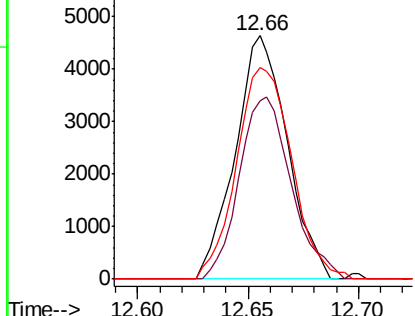


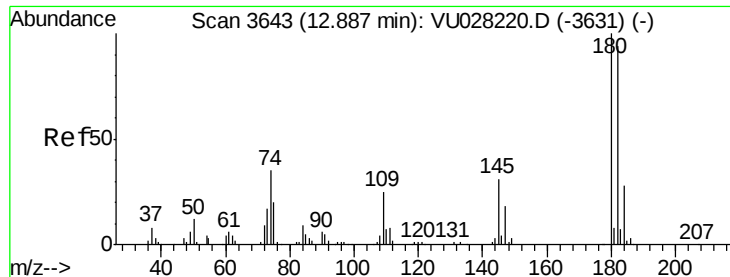
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.690 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Tgt Ion: 75 Resp: 7589
 Ion Ratio Lower Upper
 75 100
 155 73.4 46.1 69.1#
 157 86.9 67.0 100.6



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

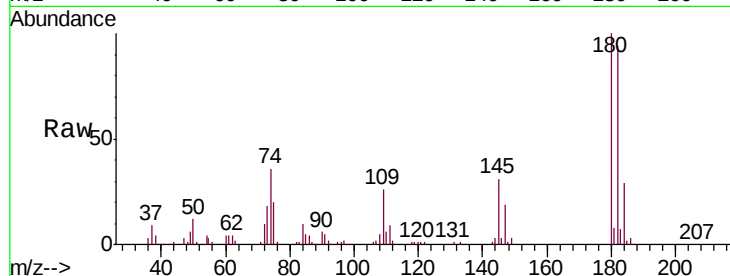




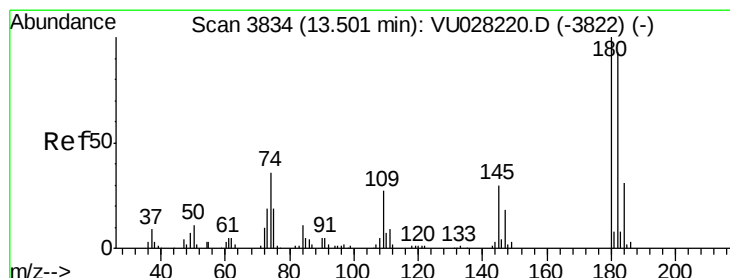
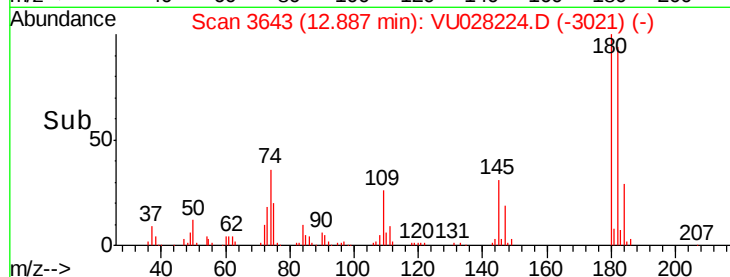
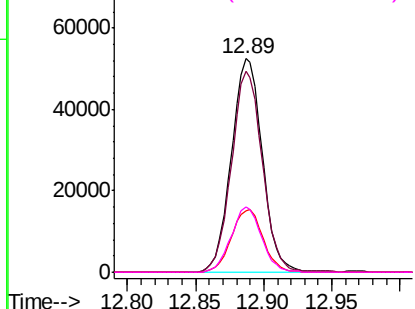
#67
 1,3,5-Trichlorobenzene
 Concen: 5.106 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:180 Resp: 82734
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.5 116.3
 184 29.9 23.7 35.5
 145 30.1 24.2 36.4

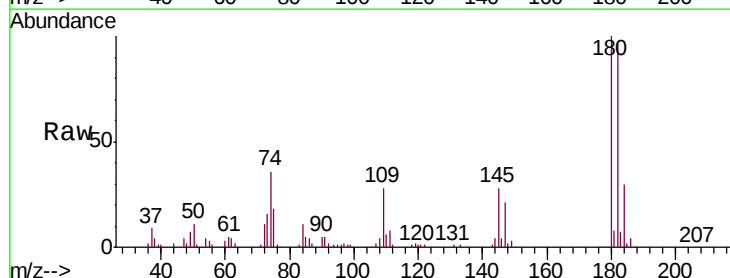


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

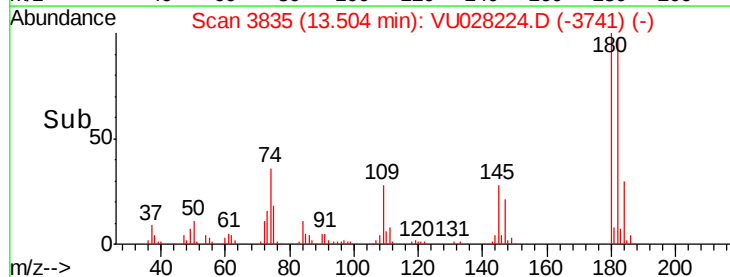
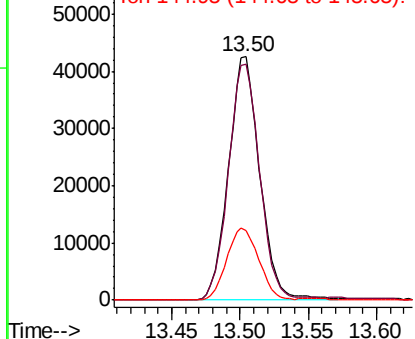


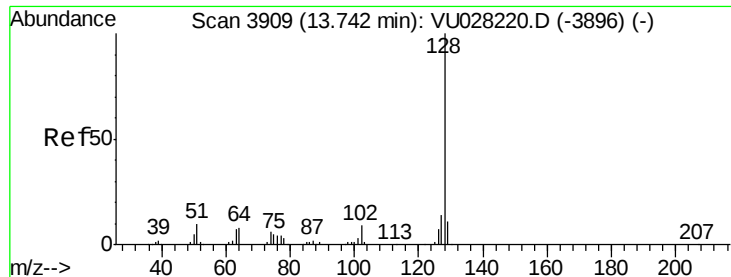
#68
 1,2,4-trichlorobenzene
 Concen: 5.003 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028224.D
 Acq: 17 Nov 2018 14:45

Tgt Ion:180 Resp: 67741
 Ion Ratio Lower Upper
 180 100
 182 97.2 75.4 113.2
 145 30.4 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.197 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

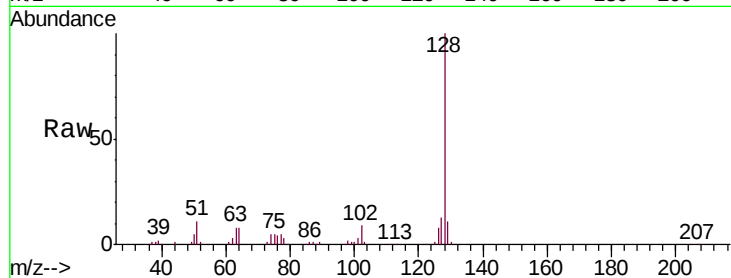
Tgt Ion:128 Resp: 125054

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

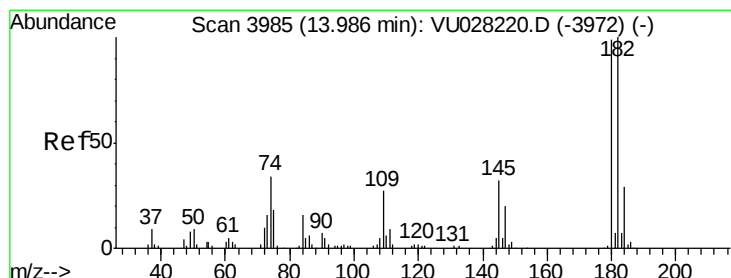
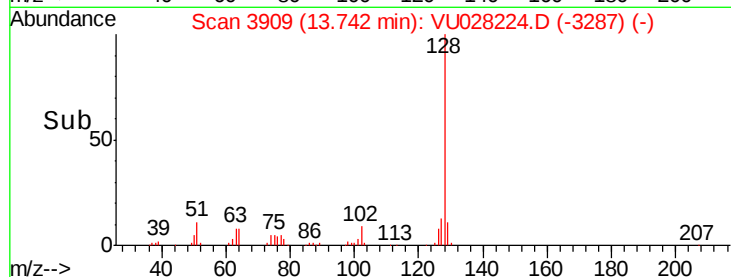
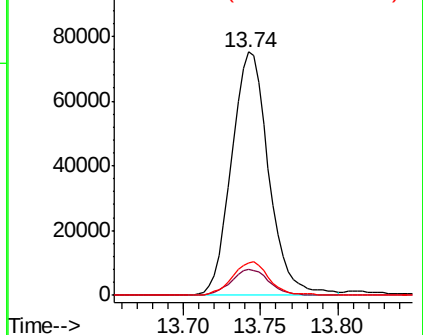
127 13.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.202 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028224.D

Acq: 17 Nov 2018 14:45

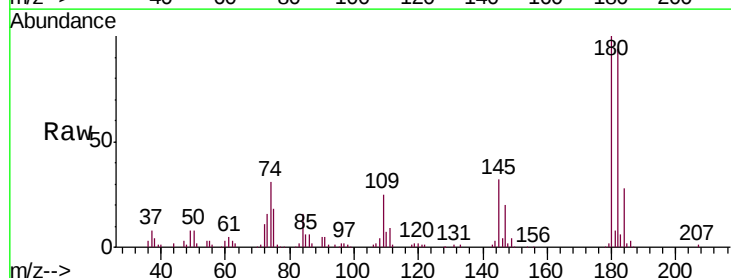
Tgt Ion:180 Resp: 66709

Ion Ratio Lower Upper

180 100

182 92.7 77.0 115.4

145 32.0 25.7 38.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

