

Data File : VU028160.D
Acq On : 15 Nov 2018 09:30
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Quant Time: Nov 16 00:42:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	133535	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	125548	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	61235	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45728	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.68	69	38592	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.28	63	93865	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	4.19	46	160327	49.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.78%
24) Chloroform-d	4.65	84	86572	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.31	65	48197	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.34	84	170698	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.33	67	63410	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.57	98	151799	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.85	79	20677	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.31	63	125260	47.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	44141	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	54620	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	57059	4.844	ug/L 98
3) Chloromethane	1.33	50	71151	4.726	ug/L 95
5) Vinyl chloride	1.40	62	67334	4.708	ug/L 98
6) Bromomethane	1.63	94	34997	5.108	ug/L 97
8) Chloroethane	1.70	64	40063	4.653	ug/L 97
9) Trichlorofluoromethane	1.89	101	77690	4.980	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	43498	4.966	ug/L 96
12) 1,1-Dichloroethene	2.29	96	41480	4.672	ug/L 93
13) Acetone	2.33	43	106735	49.311	ug/L 95
14) Carbon disulfide	2.48	76	139697	4.692	ug/L 100
15) Methyl Acetate	2.62	43	26422	4.565	ug/L 99
16) Methylene chloride	2.70	84	48612	4.634	ug/L 97
17) Methyl tert-butyl Ether	3.01	73	114060	4.595	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	44077	4.669	ug/L 99
19) 1,1-Dichloroethane	3.45	63	99067	4.990	ug/L 97
21) 2-Butanone	4.28	43	170693	49.969	ug/L 98
22) cis-1,2-Dichloroethene	4.23	96	51615	4.959	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	18980	4.615	ug/L	94
25) Chloroform	4.68	83	91054	5.113	ug/L	99
27) 1,2-Dichloroethane	5.41	62	59689	5.100	ug/L	97
29) 1,1,1-Trichloroethane	4.92	97	69502	4.891	ug/L	97
30) Cyclohexane	4.99	56	96847	4.860	ug/L	99
31) Carbon tetrachloride	5.13	117	59219	5.022	ug/L	98
33) Benzene	5.39	78	211252	4.995	ug/L	100
34) Trichloroethene	6.19	95	52398	5.013	ug/L	98
35) Methylcyclohexane	6.41	83	85799	4.774	ug/L	96
37) 1,2-Dichloropropane	6.43	63	59368	5.076	ug/L	100
38) Bromodichloromethane	6.76	83	60132	4.832	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	76804	4.857	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	406356	50.451	ug/L	97
42) Toluene	7.64	91	213677	4.900	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	57719	4.658	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	33275	4.712	ug/L	96
47) Tetrachloroethene	8.22	164	36323	4.274	ug/L	96
48) 2-Hexanone	8.37	43	291374	50.841	ug/L	98
49) Dibromochloromethane	8.48	129	36208	4.817	ug/L	100
50) 1,2-Dibromoethane	8.59	107	30869	4.643	ug/L	98
51) Chlorobenzene	9.12	112	123859	4.857	ug/L	96
52) Ethylbenzene	9.25	91	236015	4.958	ug/L	98
53) m,p-xylene	9.38	106	84359	4.864	ug/L	95
54) o-xylene	9.78	106	81355	4.873	ug/L	96
55) Styrene	9.79	104	141721	5.019	ug/L	100
56) Isopropylbenzene	10.17	105	220624	4.885	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	43943	4.828	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	32313	4.919	ug/L	98
61) Bromoform	9.96	173	18238	4.405	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	96230	4.970	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	95852	4.890	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	87884	4.746	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	6131	4.563	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	78364	5.276	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	67349	5.202	ug/L	99
69) Naphthalene	13.75	128	117353	4.864	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	59332	4.975	ug/L	99

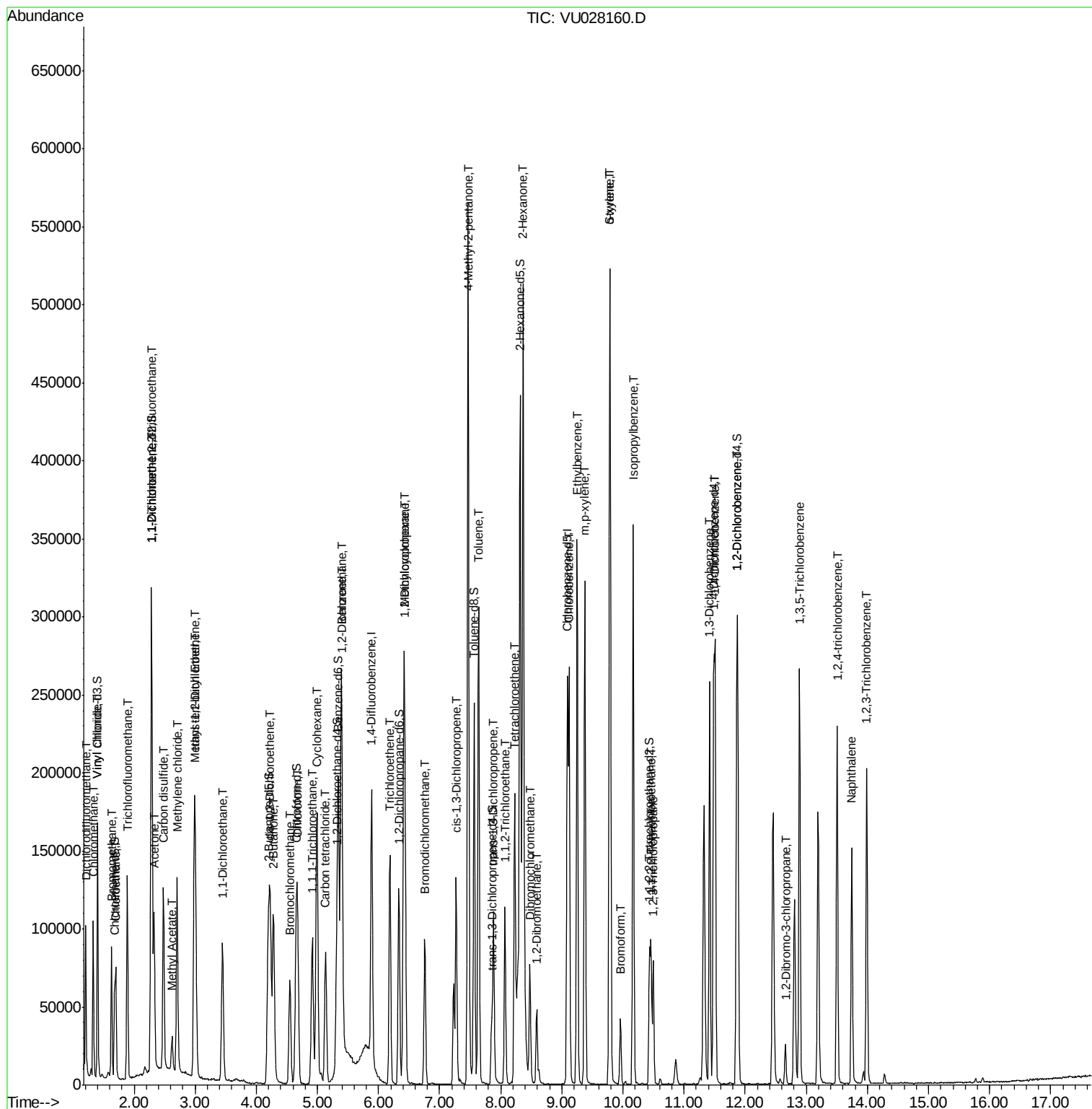
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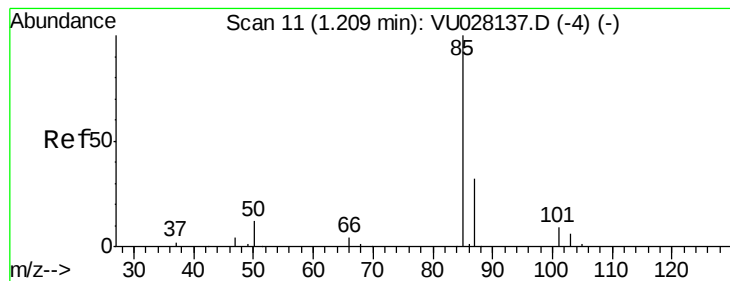
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#2

Dichlorodifluoromethane

Concen: 4.844 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

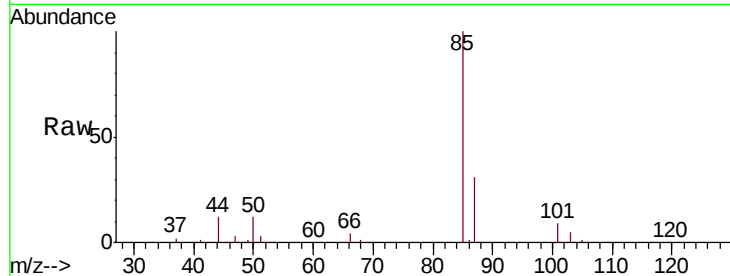
VSTD00509

Tgt Ion: 85 Resp: 57059

Ion Ratio Lower Upper

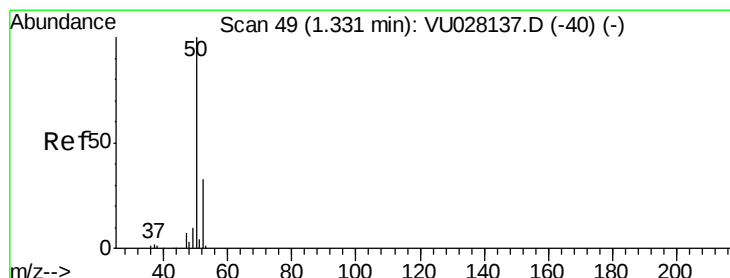
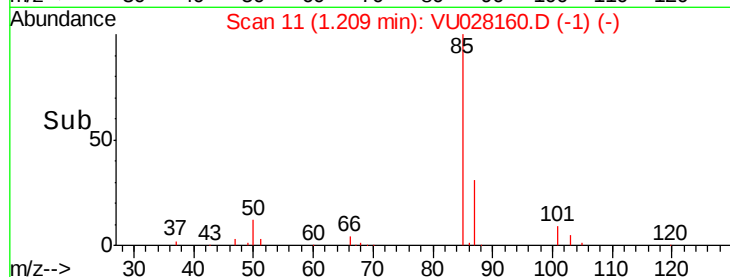
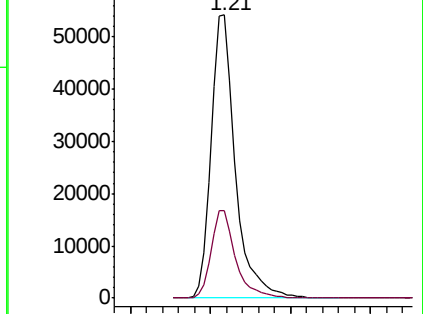
85 100

87 31.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU028137.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU028137.D (-4) (-)



#3

Chloromethane

Concen: 4.726 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028160.D

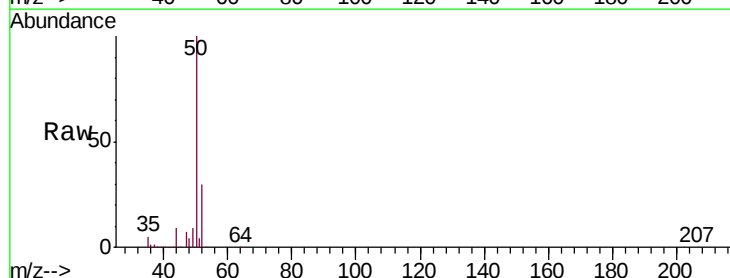
Acq: 15 Nov 2018 09:30

Tgt Ion: 50 Resp: 71151

Ion Ratio Lower Upper

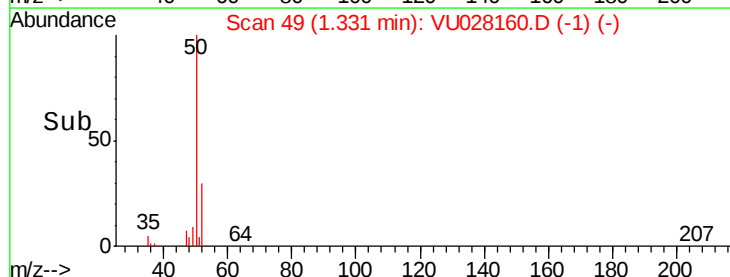
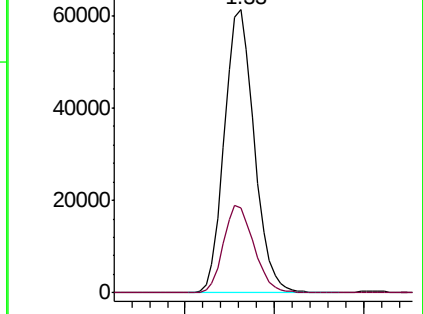
50 100

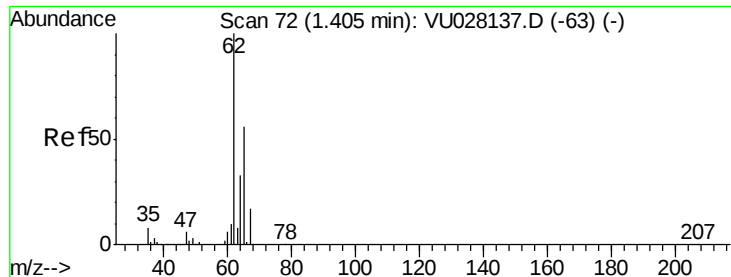
52 30.2 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU028137.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VU028137.D (-40) (-)





#5

Vinyl chloride

Concen: 4.708 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

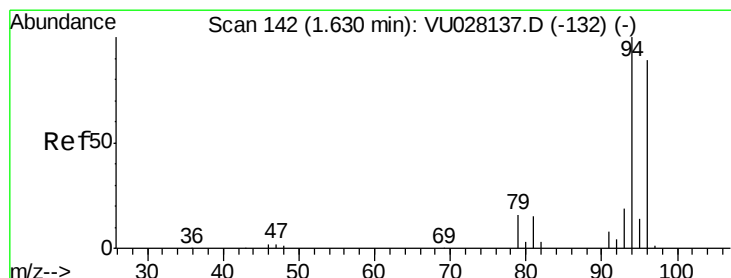
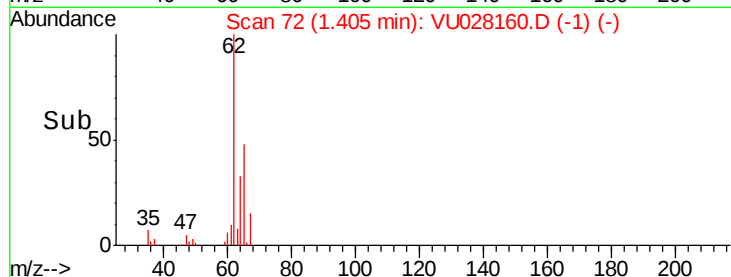
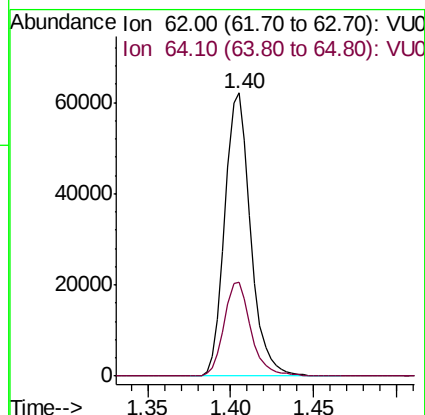
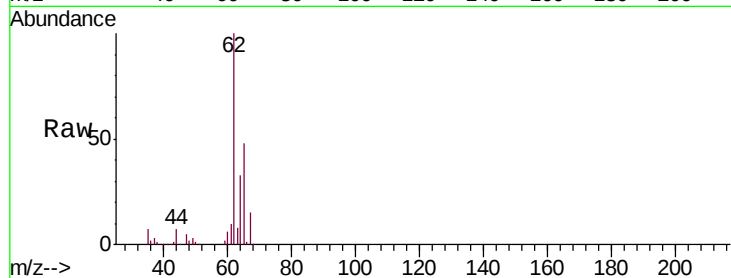
VSTD00509

Tgt Ion: 62 Resp: 67334

Ion Ratio Lower Upper

62 100

64 33.4 22.7 42.3



#6

Bromomethane

Concen: 5.108 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU028160.D

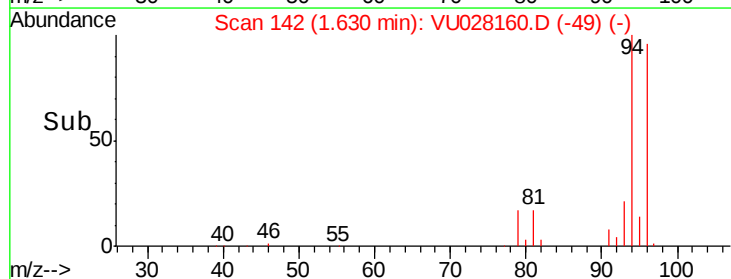
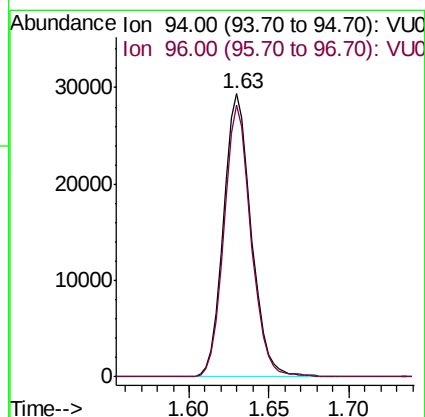
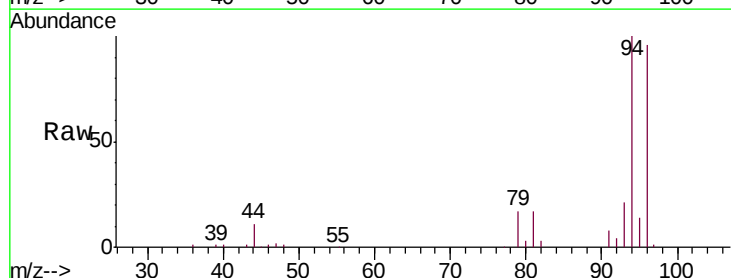
Acq: 15 Nov 2018 09:30

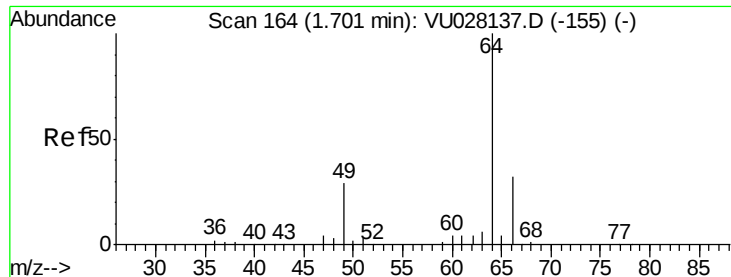
Tgt Ion: 94 Resp: 34997

Ion Ratio Lower Upper

94 100

96 96.0 65.1 120.9





#8

Chloroethane

Concen: 4.653 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

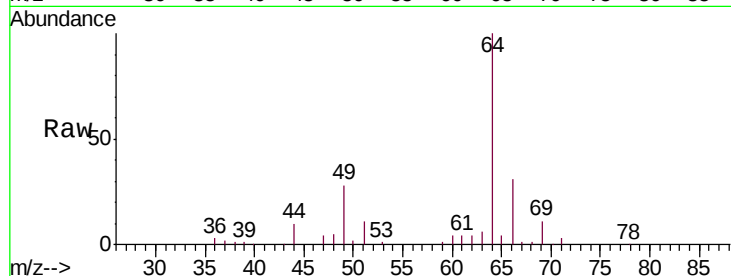
VSTD00509

Tgt Ion: 64 Resp: 40063

Ion Ratio Lower Upper

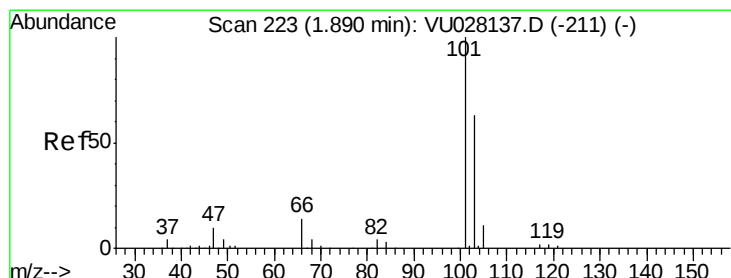
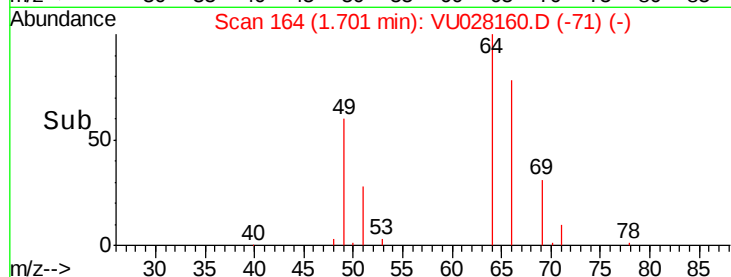
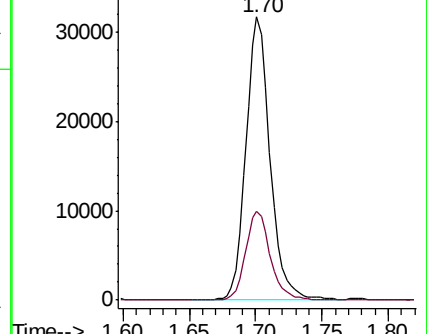
64 100

66 31.5 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU028137.D (-155) (-)

Ion 66.05 (65.75 to 66.75): VU028137.D (-155) (-)



#9

Trichlorofluoromethane

Concen: 4.980 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU028160.D

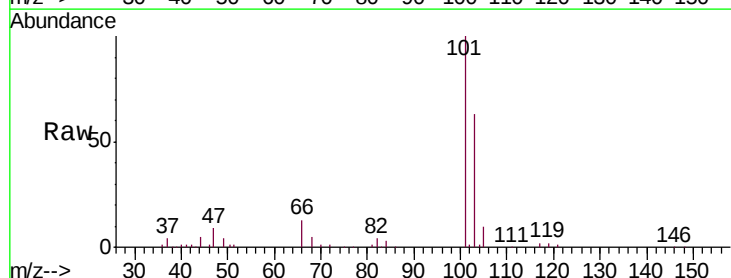
Acq: 15 Nov 2018 09:30

Tgt Ion: 101 Resp: 77690

Ion Ratio Lower Upper

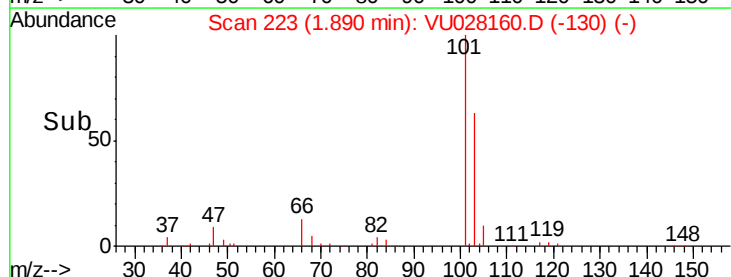
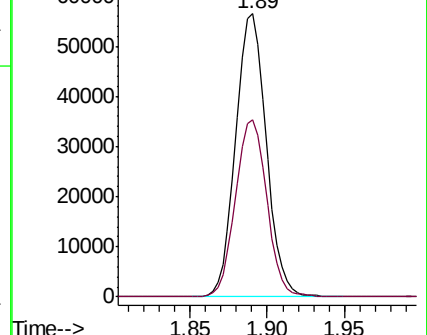
101 100

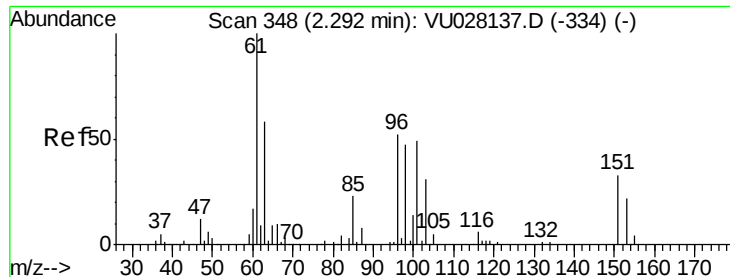
103 63.8 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU028137.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU028137.D (-211) (-)





#10

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

Concen: 4.966 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

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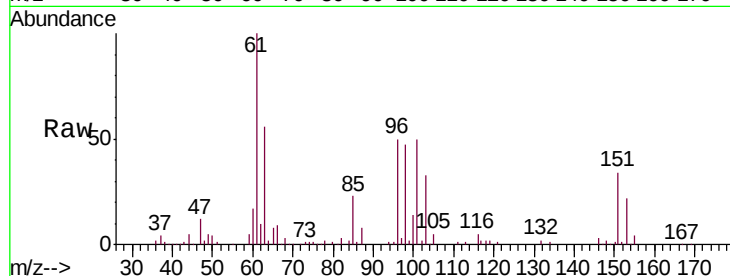
Tgt Ion: 101 Resp: 43498

Ion Ratio Lower Upper

101 100

85 47.1 37.6 56.4

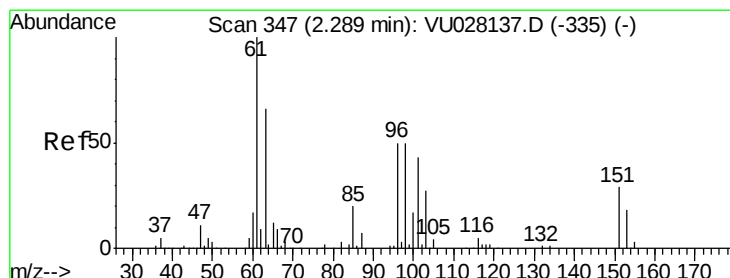
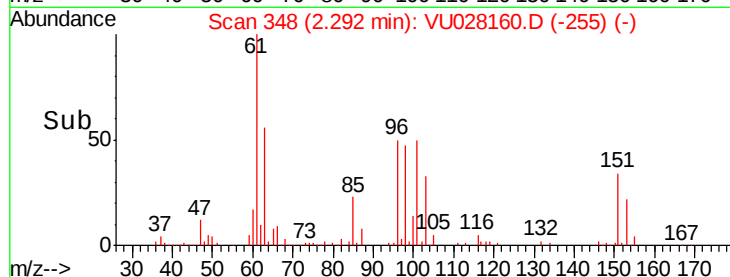
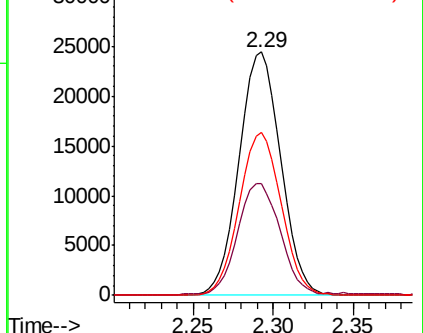
151 67.3 58.2 87.2



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: 4.672 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

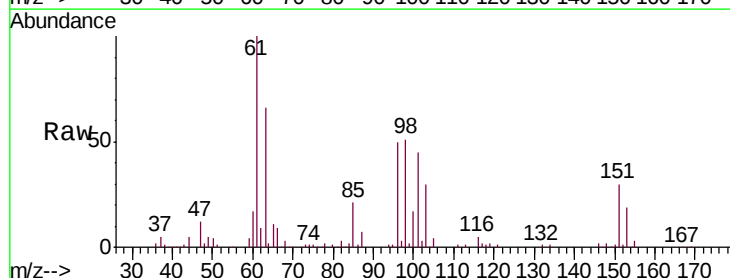
Tgt Ion: 96 Resp: 41480

Ion Ratio Lower Upper

96 100

61 201.2 134.8 250.3

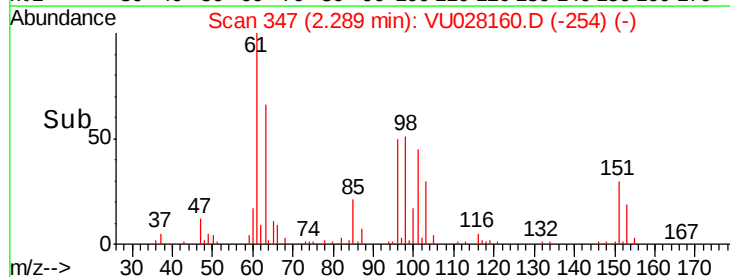
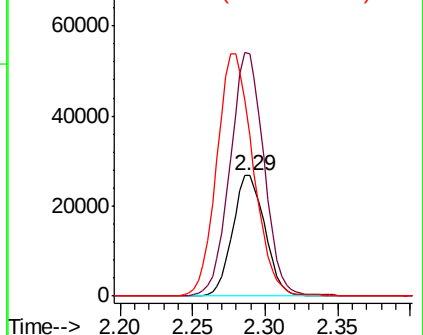
63 133.2 100.1 185.9

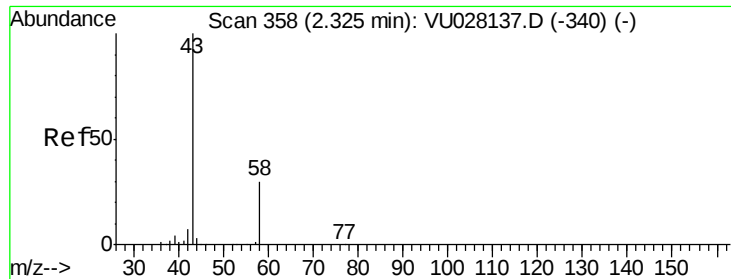


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.311 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

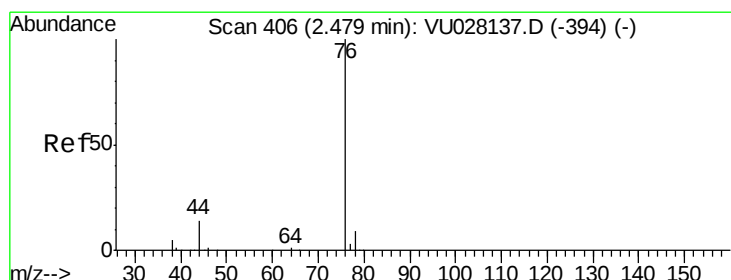
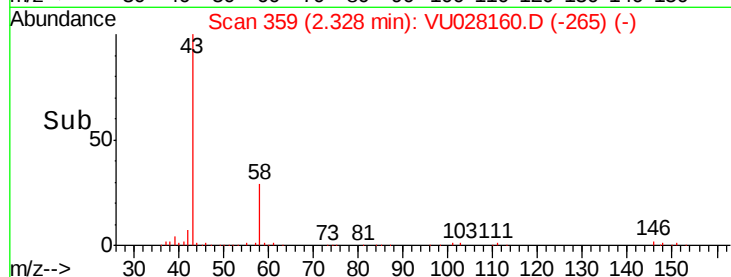
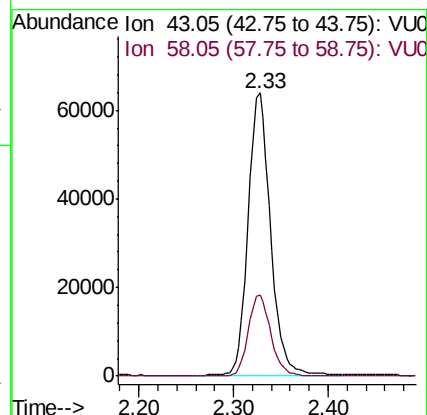
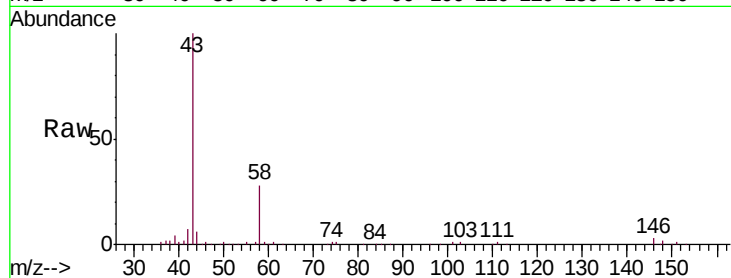
VSTD00509

Tgt Ion: 43 Resp: 106735

Ion Ratio Lower Upper

43 100

58 28.3 0.0 61.6



#14

Carbon disulfide

Concen: 4.692 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU028160.D

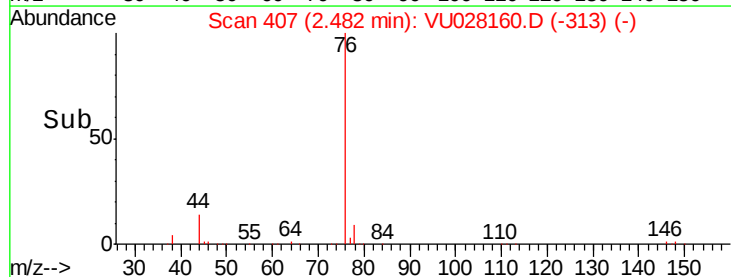
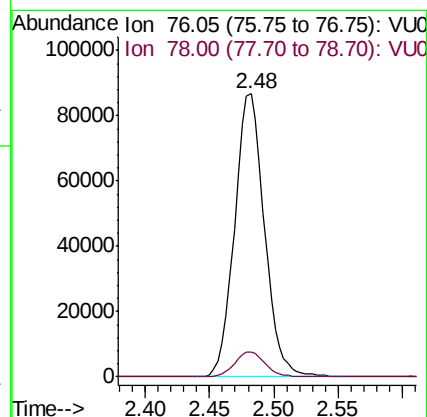
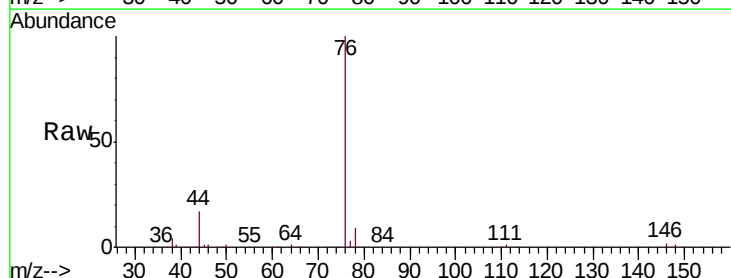
Acq: 15 Nov 2018 09:30

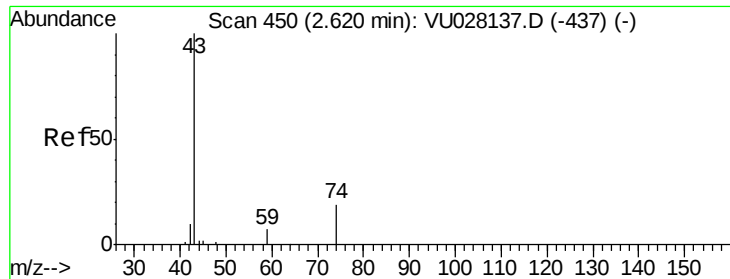
Tgt Ion: 76 Resp: 139697

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4





#15

Methyl Acetate

Concen: 4.565 ug/L

RT: 2.62 min Scan# 450

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

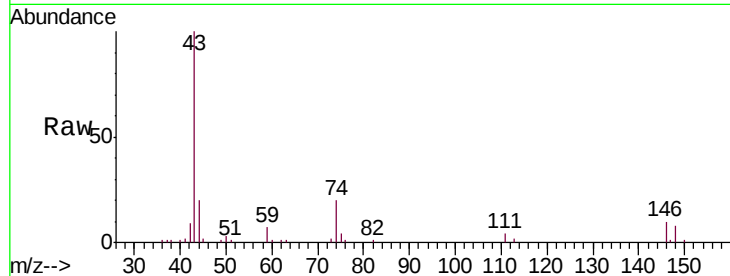
VSTD00509

Tgt Ion: 43 Resp: 26422

Ion Ratio Lower Upper

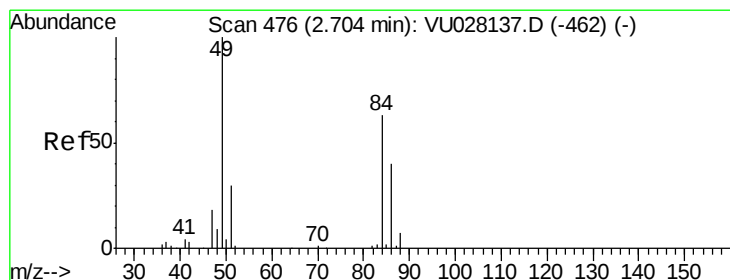
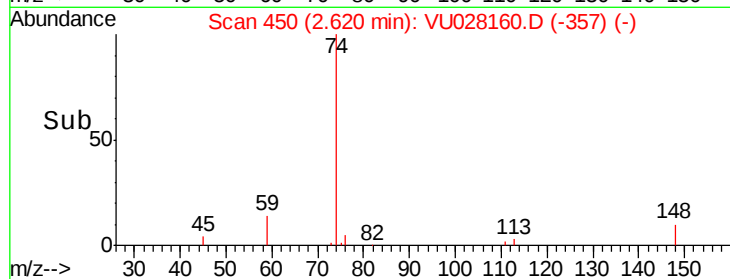
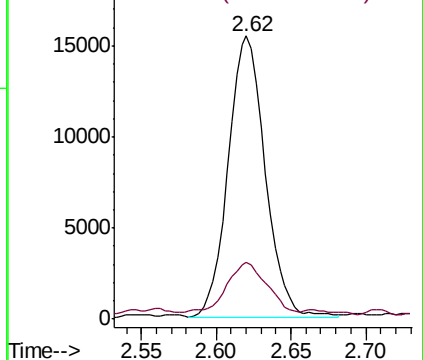
43 100

74 19.1 14.9 22.3



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.634 ug/L

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

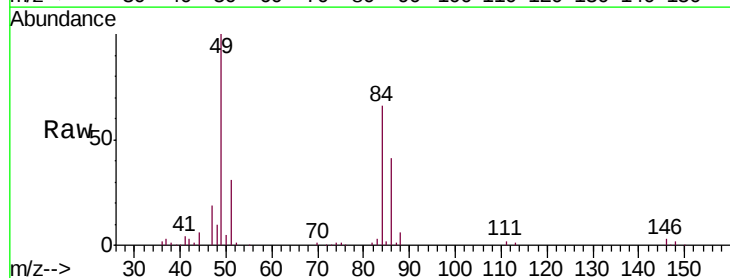
Tgt Ion: 84 Resp: 48612

Ion Ratio Lower Upper

84 100

86 61.7 44.6 82.8

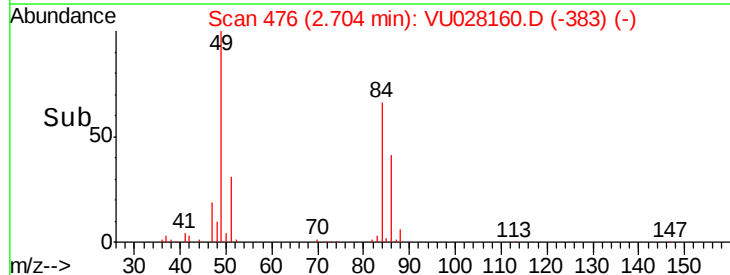
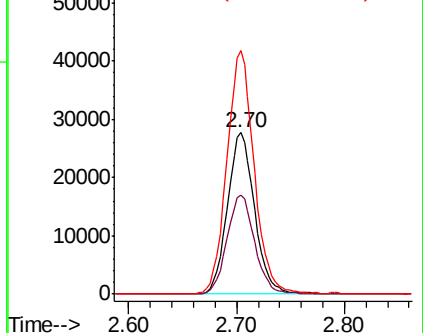
49 151.0 102.5 190.3

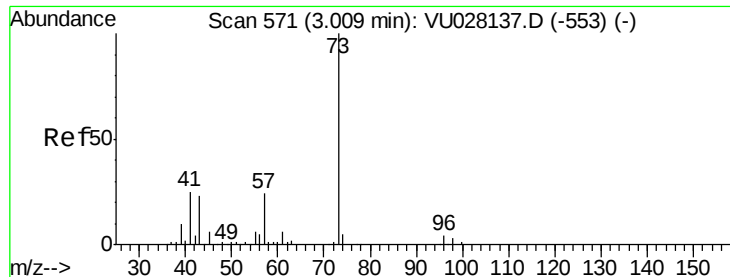


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



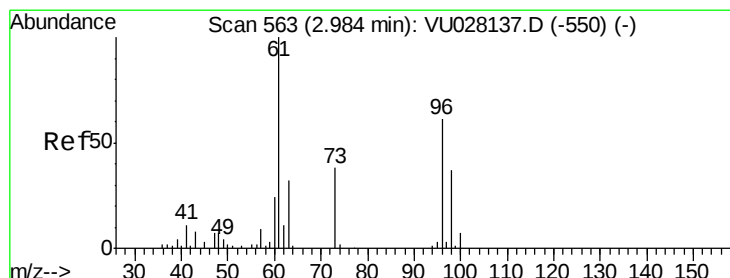
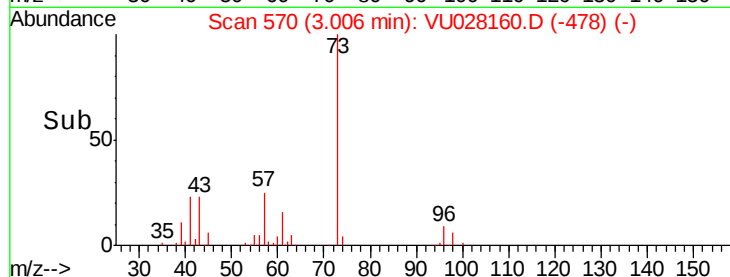
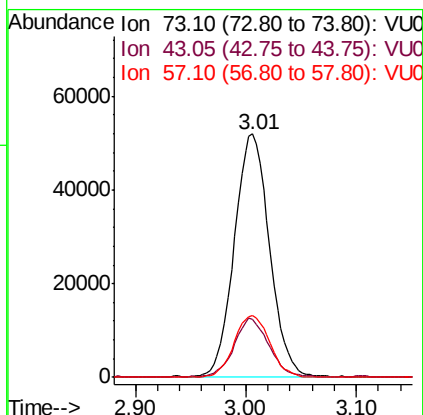
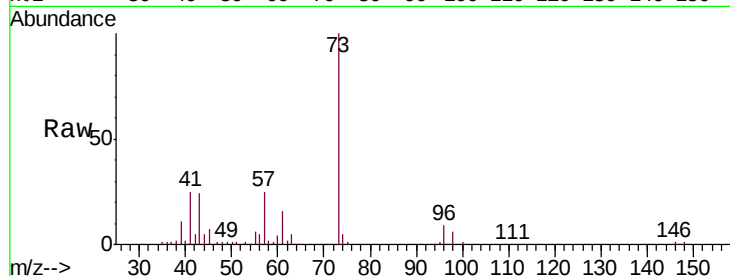


#17

Methyl tert-butyl Ether
 Concen: 4.595 ug/L
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

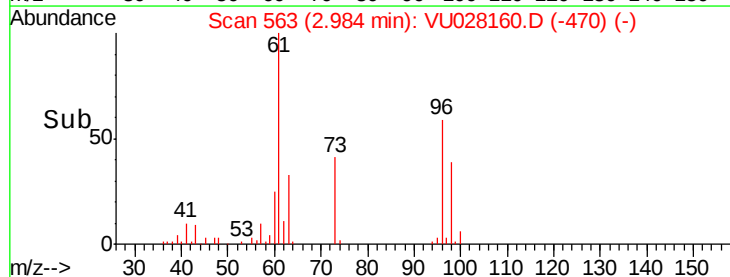
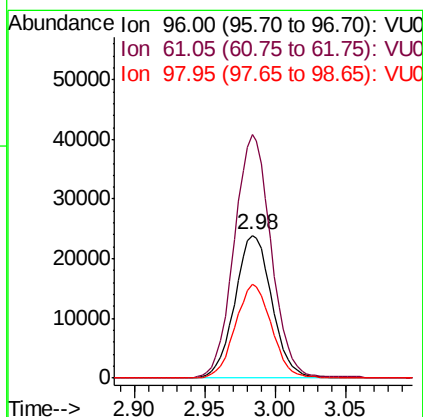
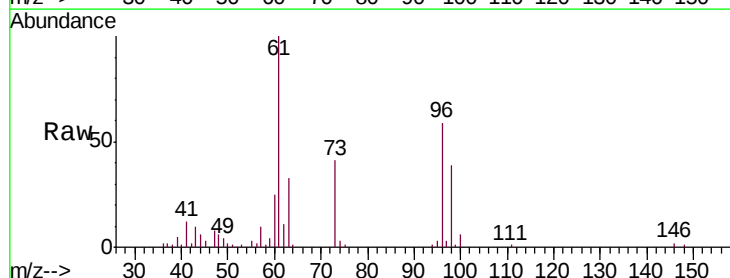
Tgt Ion: 73 Resp: 114060
 Ion Ratio Lower Upper
 73 100
 43 23.8 18.1 27.1
 57 25.9 20.0 30.0

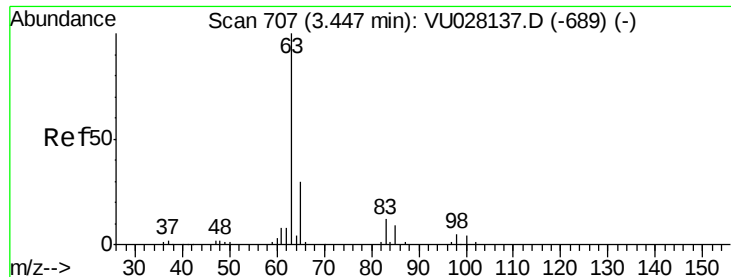


#18

trans-1,2-Dichloroethene
 Concen: 4.669 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Tgt Ion: 96 Resp: 44077
 Ion Ratio Lower Upper
 96 100
 61 170.5 118.5 220.1
 98 65.7 44.9 83.5

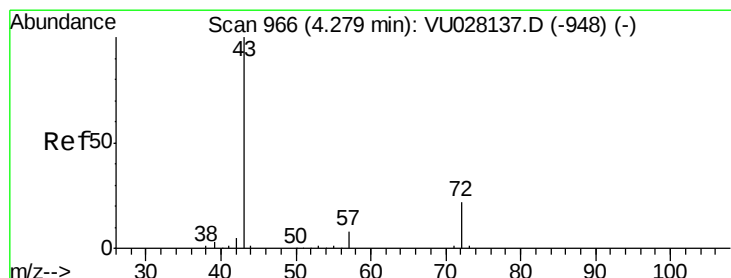
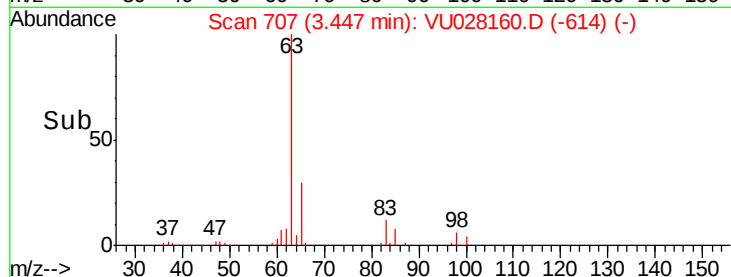
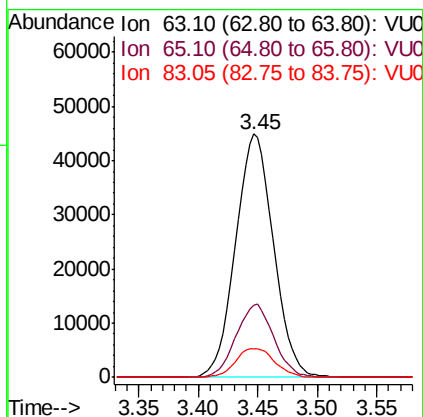
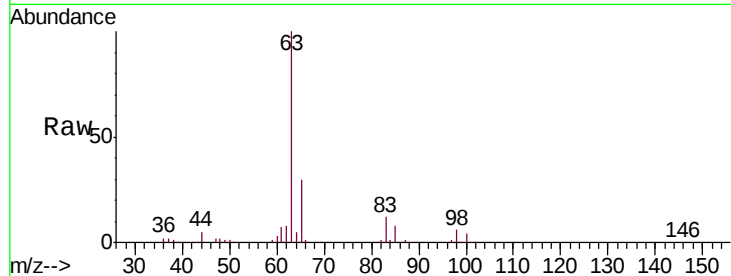




#19
 1,1-Dichloroethane
 Concen: 4.990 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

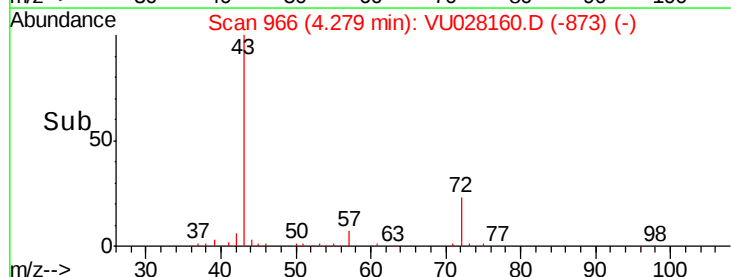
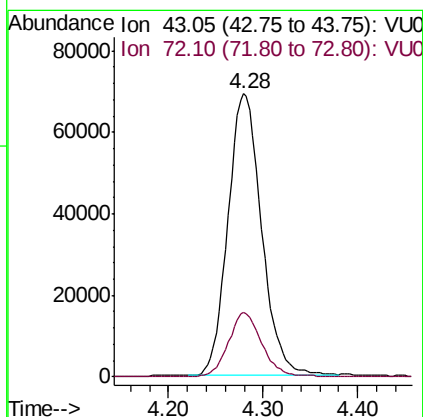
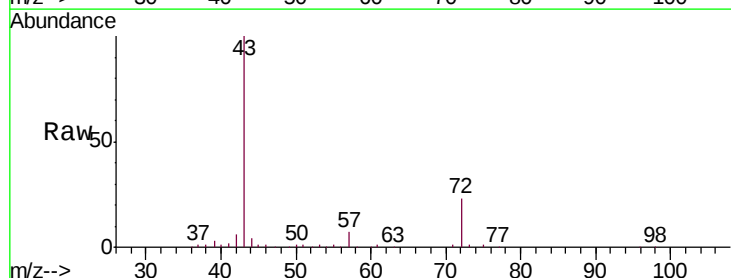
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

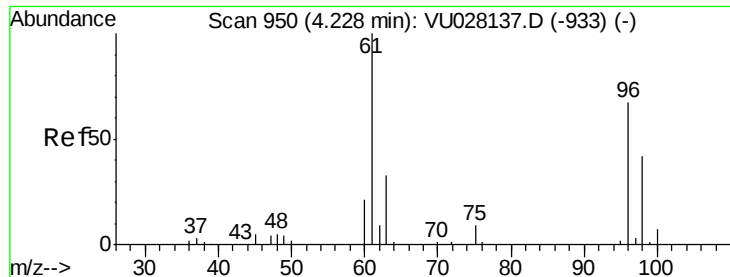
Tgt Ion: 63 Resp: 99067
 Ion Ratio Lower Upper
 63 100
 65 29.8 22.2 41.2
 83 11.7 8.9 16.5



#21
 2-Butanone
 Concen: 49.969 ug/L
 RT: 4.28 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Tgt Ion: 43 Resp: 170693
 Ion Ratio Lower Upper
 43 100
 72 22.9 11.0 33.0



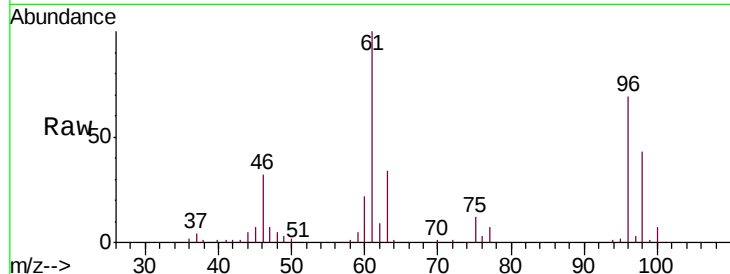


#22

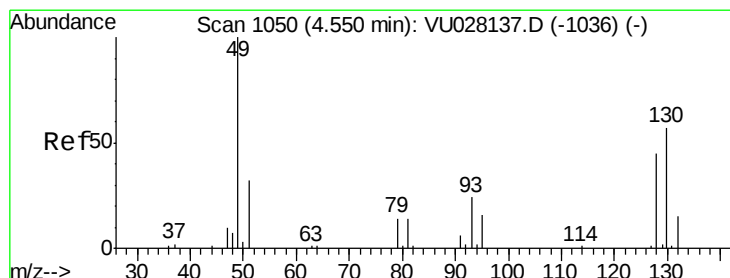
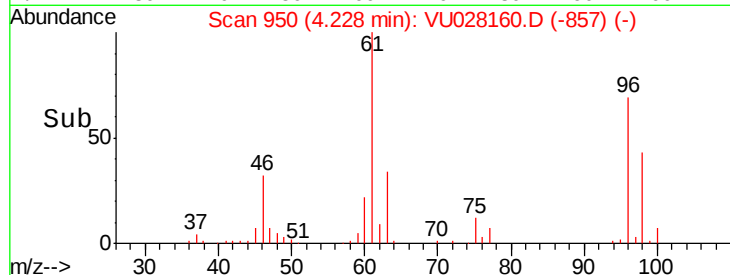
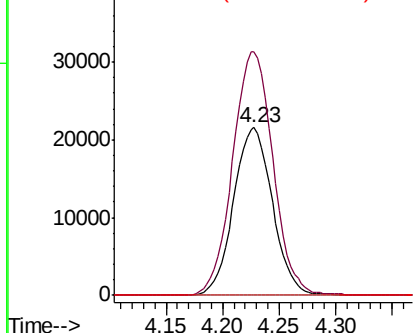
cis-1,2-Dichloroethene
Concen: 4.959 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion: 96 Resp: 51615
Ion Ratio Lower Upper
96 100
61 145.1 101.8 189.0
68 0.0 0.0 0.0



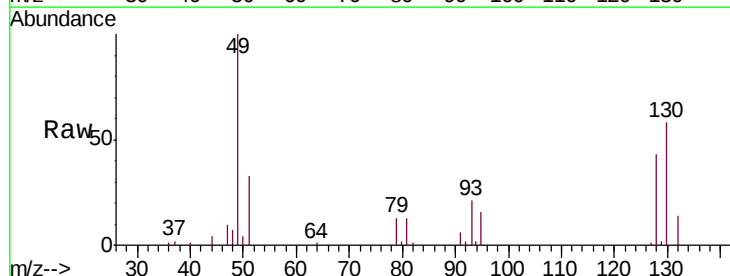
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



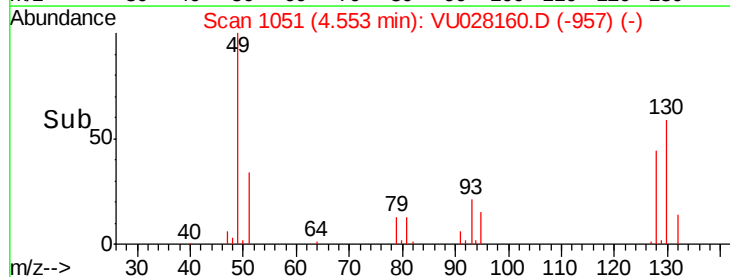
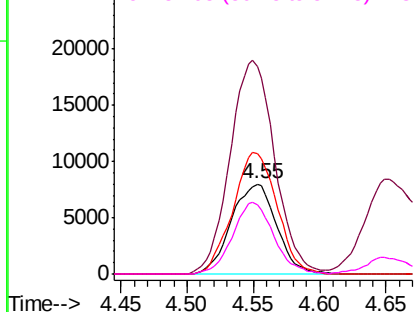
#23

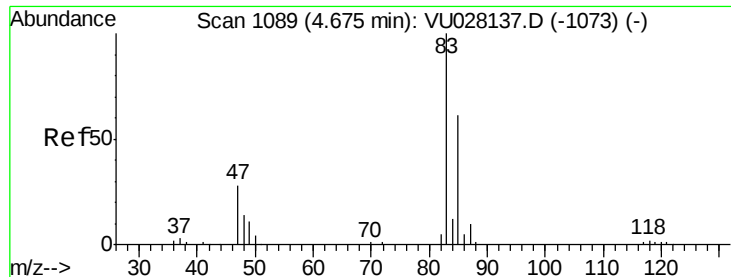
Bromochloromethane
Concen: 4.615 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

Tgt Ion: 128 Resp: 18980
Ion Ratio Lower Upper
128 100
49 230.6 152.2 282.6
130 133.7 93.2 173.0
51 77.0 53.5 80.3



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

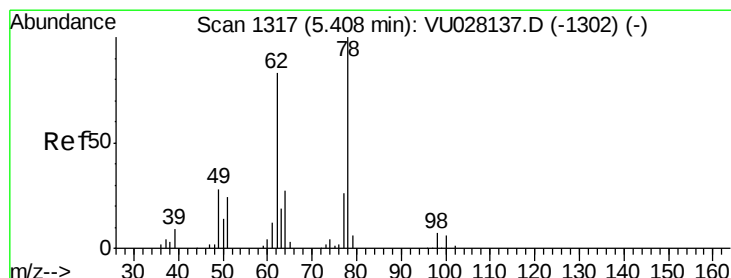
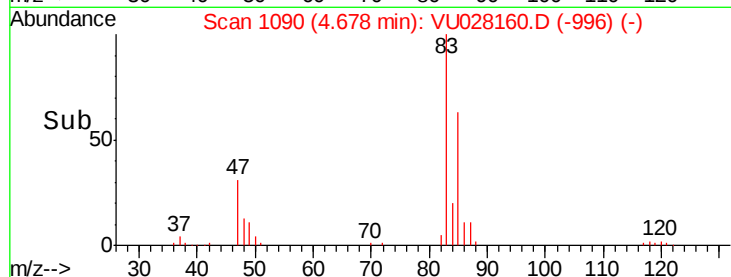
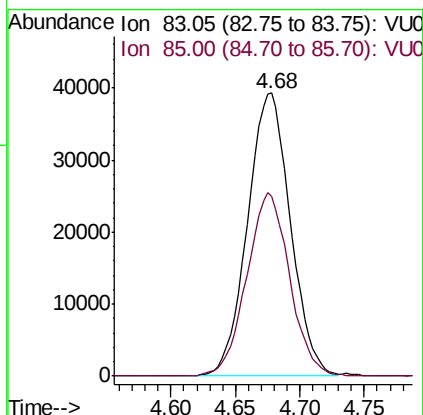
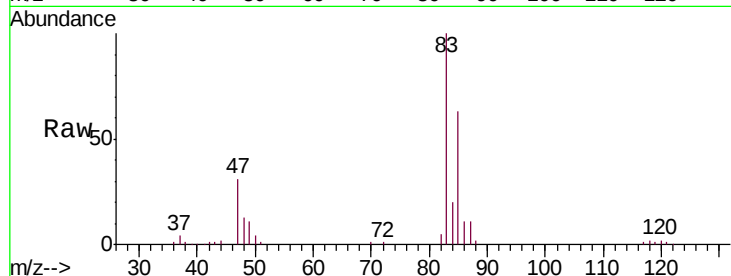




#25
Chloroform
Concen: 5.113 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

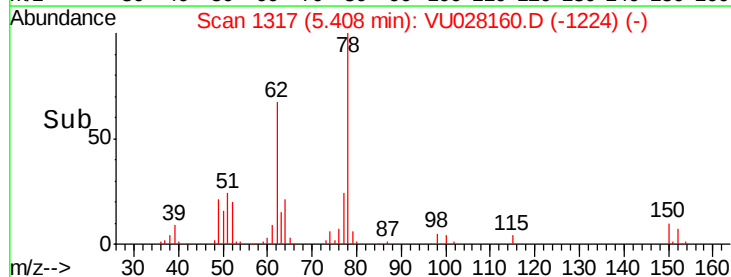
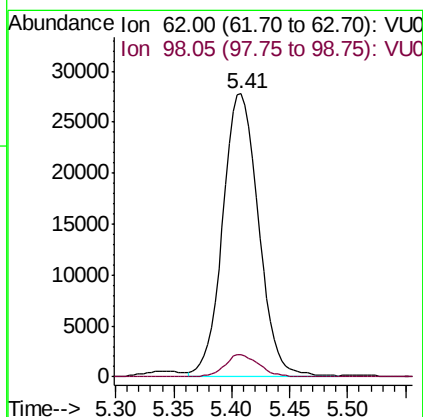
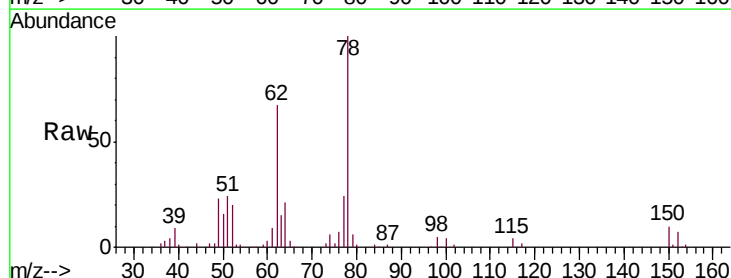
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

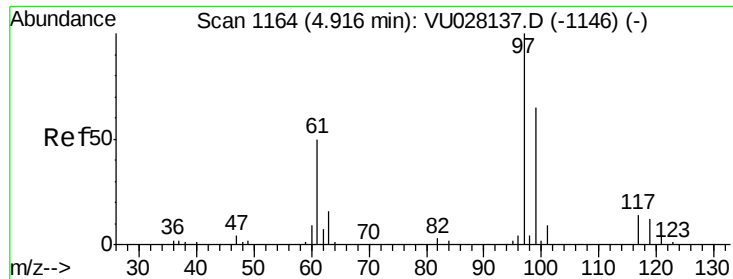
Tgt Ion: 83 Resp: 91054
Ion Ratio Lower Upper
83 100
85 63.4 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.100 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

Tgt Ion: 62 Resp: 59689
Ion Ratio Lower Upper
62 100
98 7.7 7.0 10.4

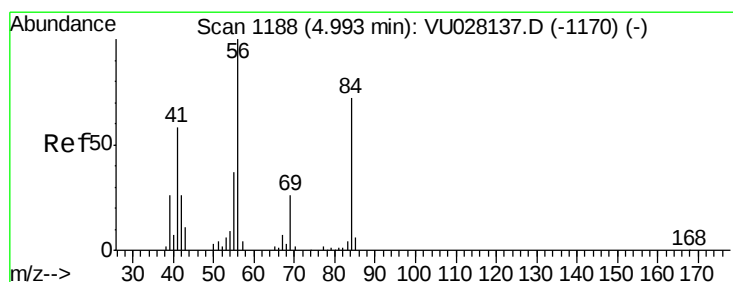
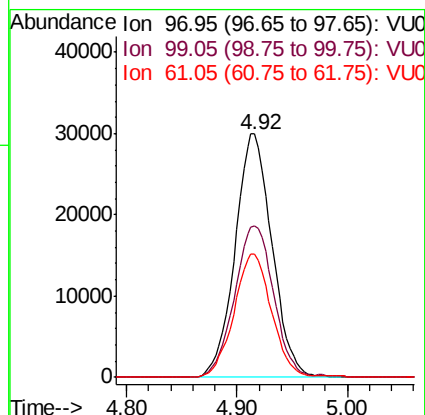
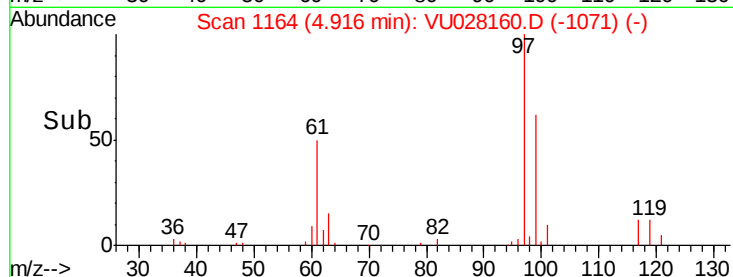
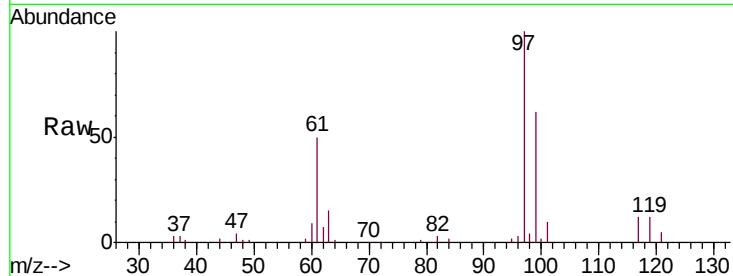




#29
 1,1,1-Trichloroethane
 Concen: 4.891 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

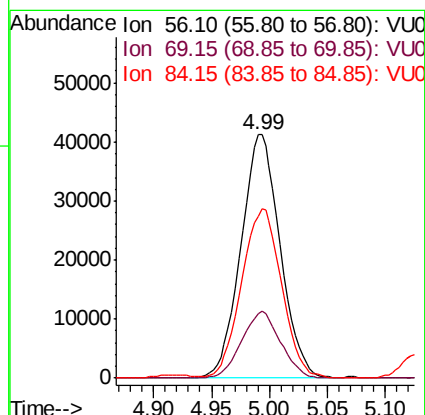
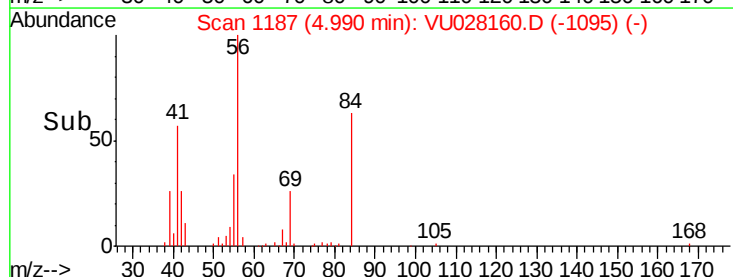
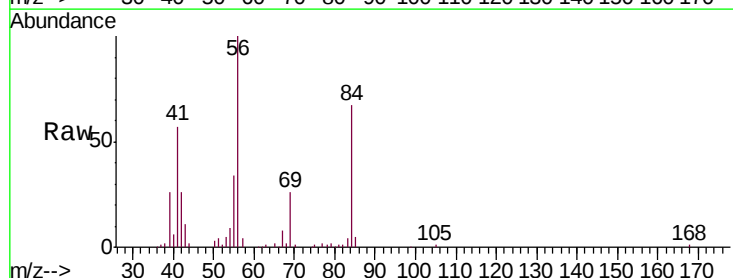
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

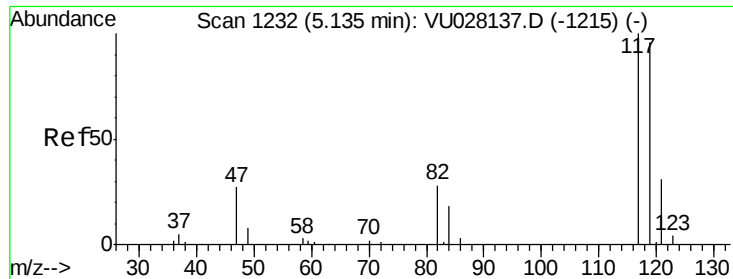
Tgt Ion: 97 Resp: 69502
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.2 76.8
 61 51.5 39.4 59.2



#30
 Cyclohexane
 Concen: 4.860 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Tgt Ion: 56 Resp: 96847
 Ion Ratio Lower Upper
 56 100
 69 27.1 22.6 33.8
 84 71.1 57.7 86.5





#31

Carbon tetrachloride

Concen: 5.022 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

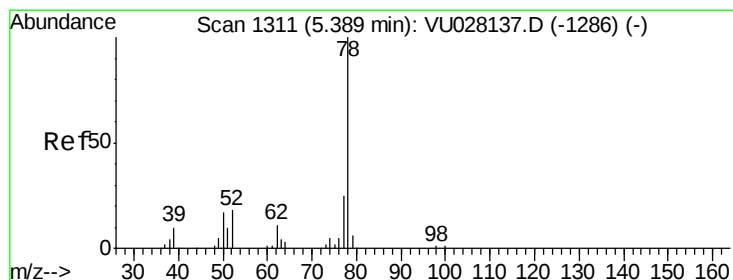
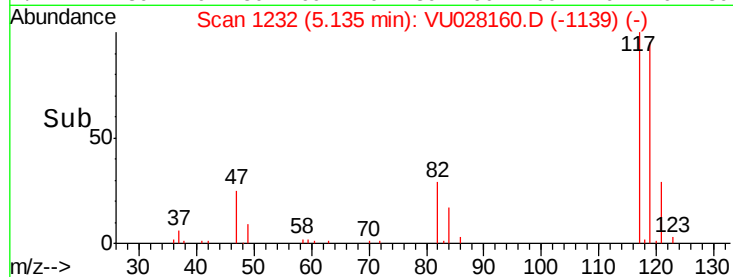
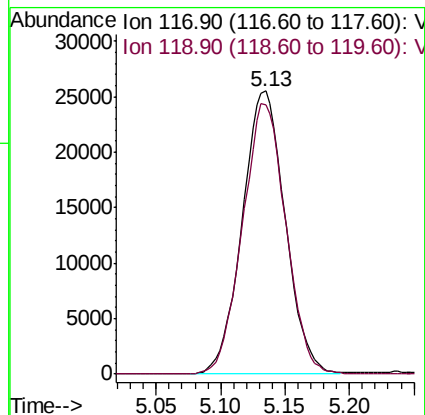
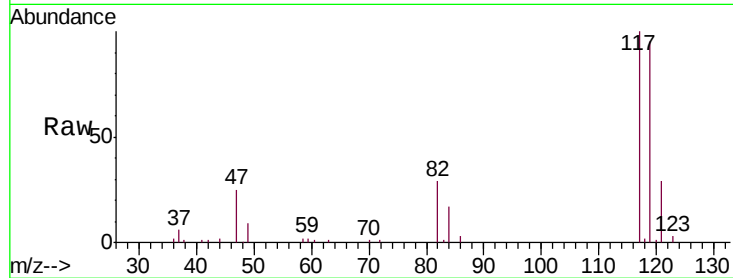
VSTD00509

Tgt Ion:117 Resp: 59219

Ion Ratio Lower Upper

117 100

119 96.1 75.7 113.5



#33

Benzene

Concen: 4.995 ug/L

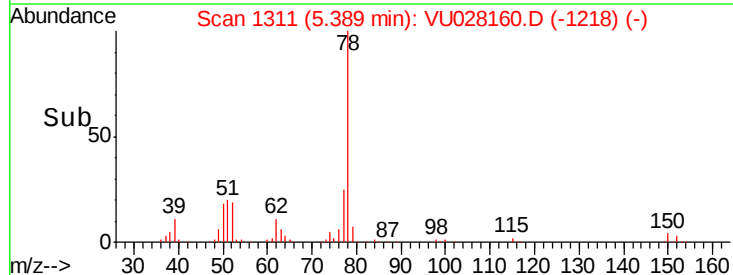
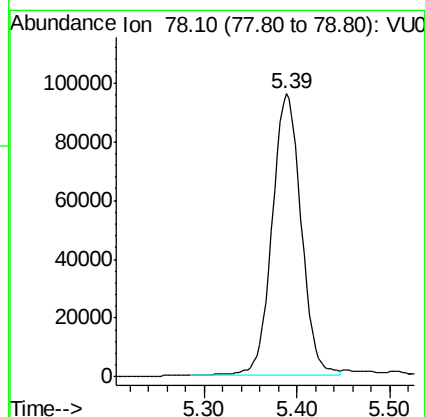
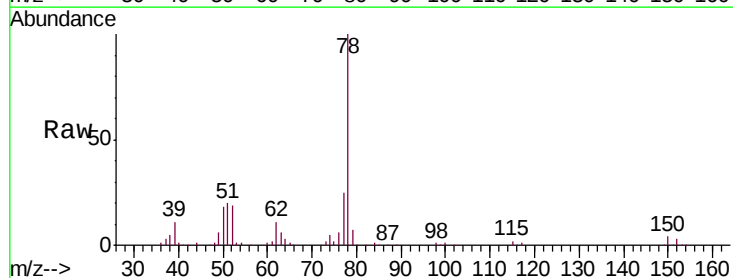
RT: 5.39 min Scan# 1311

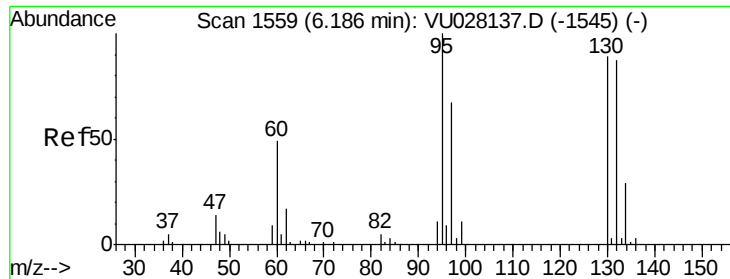
Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Tgt Ion: 78 Resp: 211252

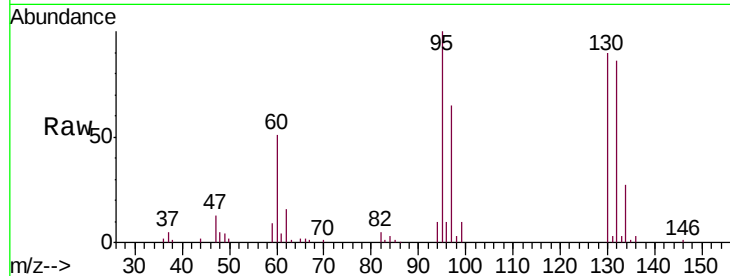




#34
 Trichloroethene
 Concen: 5.013 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion:	95	Resp:	52398
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.3	84.1
132	86.1	63.0	117.0
130	89.5	63.6	118.2



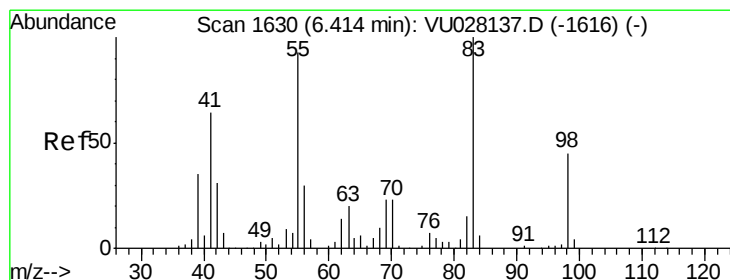
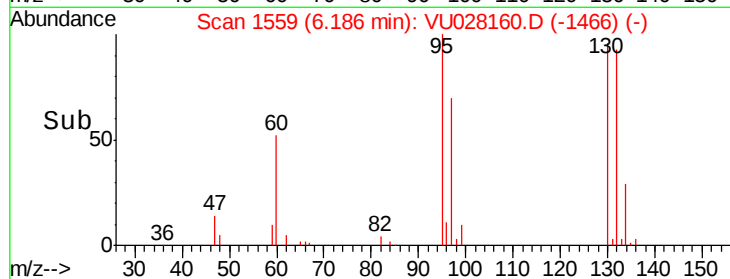
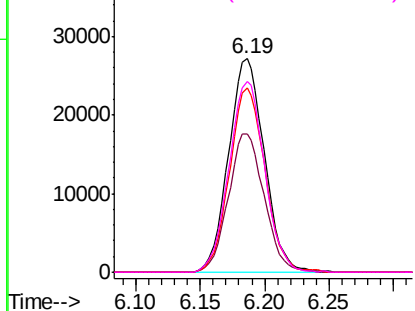
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

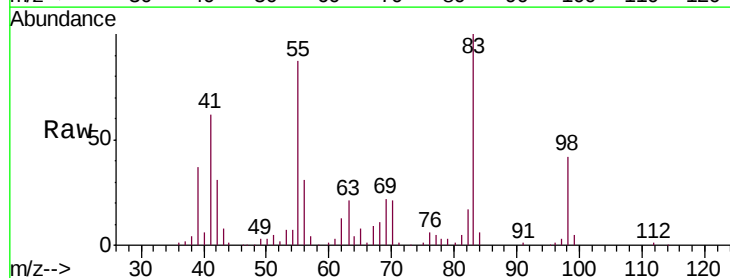
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35
 Methylcyclohexane
 Concen: 4.774 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Tgt Ion:	83	Resp:	85799
Ion	Ratio	Lower	Upper
83	100		
55	90.8	69.0	103.4
98	42.7	33.3	49.9

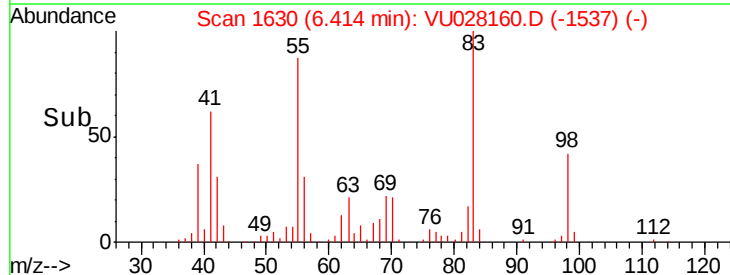
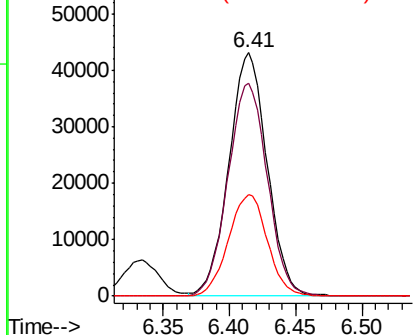


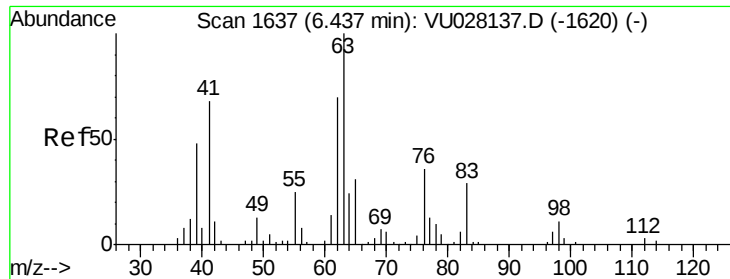
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

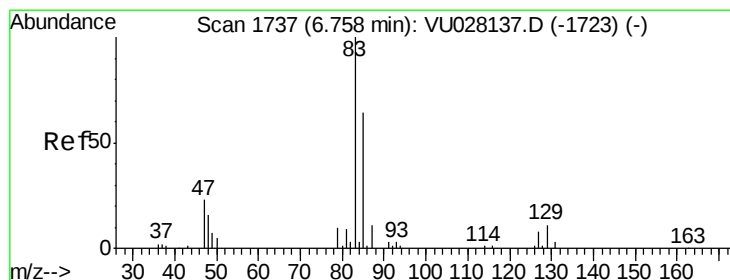
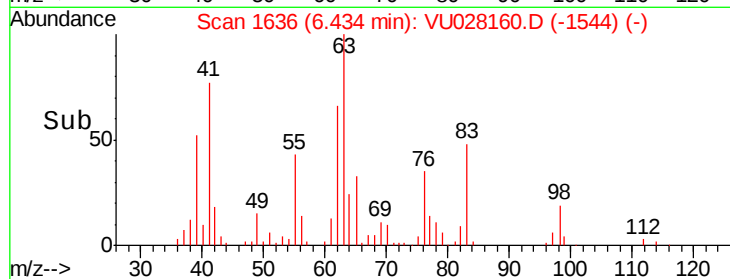
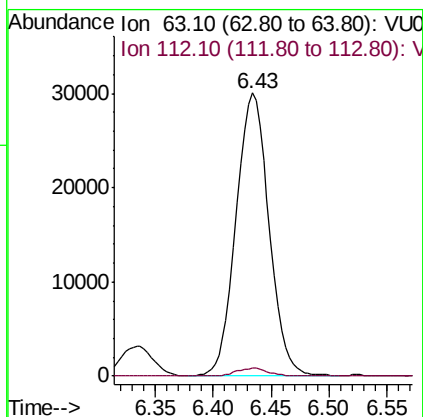
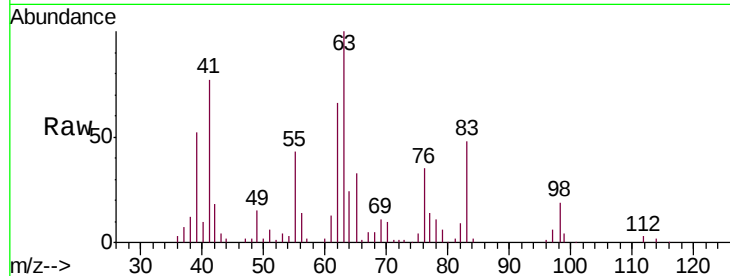




#37
 1,2-Dichloropropane
 Concen: 5.076 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

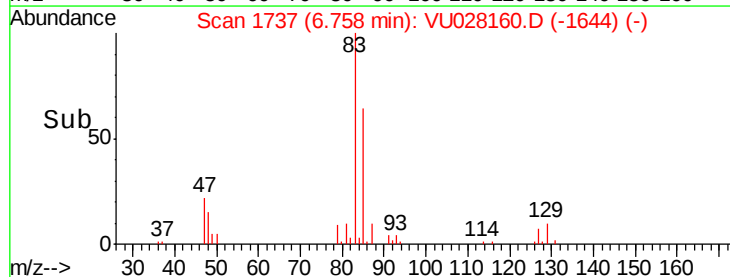
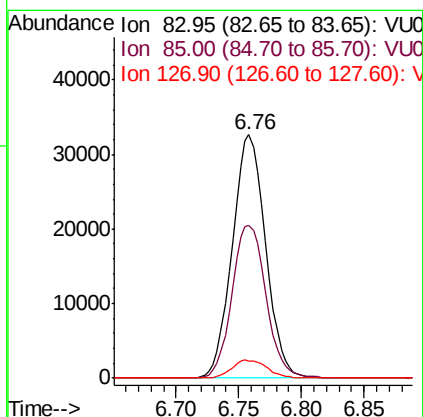
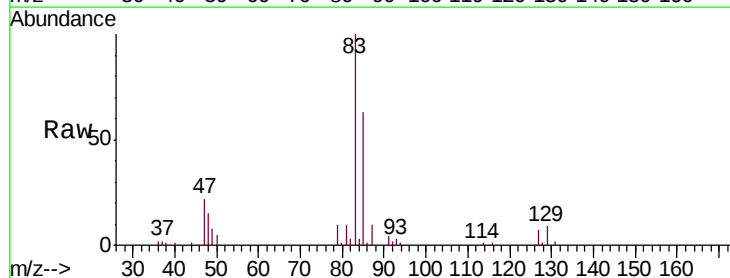
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

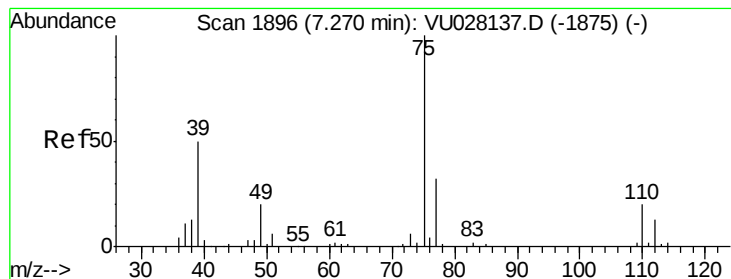
Tgt Ion: 63 Resp: 59368
 Ion Ratio Lower Upper
 63 100
 112 2.7 2.2 3.4



#38
 Bromodichloromethane
 Concen: 4.832 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Tgt Ion: 83 Resp: 60132
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.5 82.7
 127 7.2 6.8 10.2



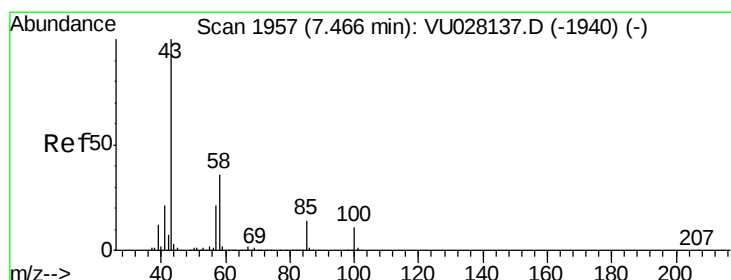
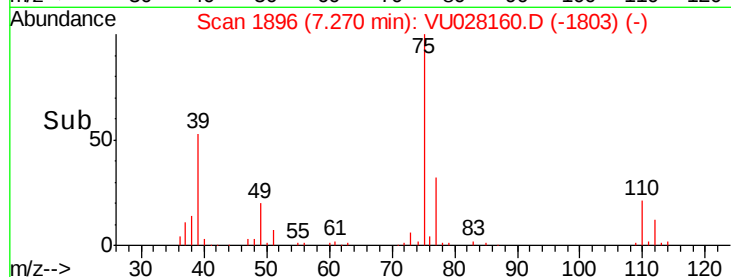
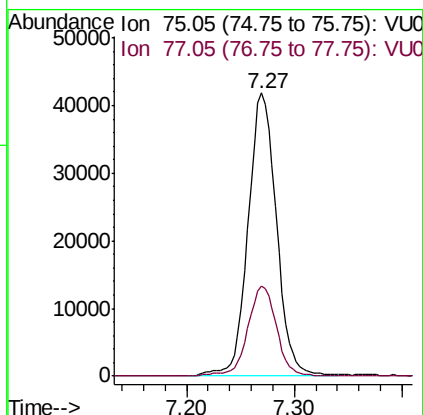
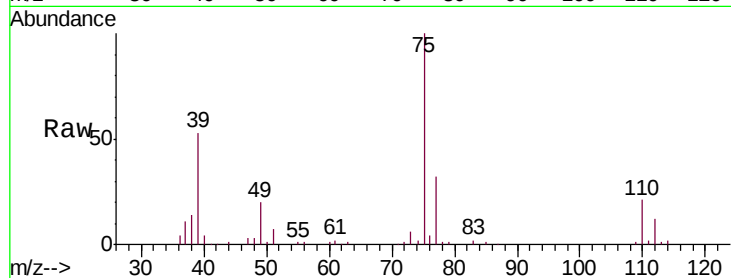


#39

cis-1,3-Dichloropropene
 Concen: 4.857 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

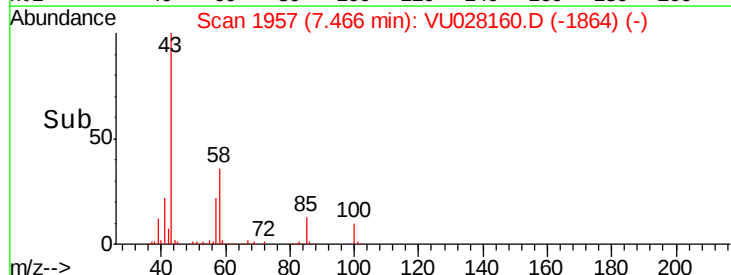
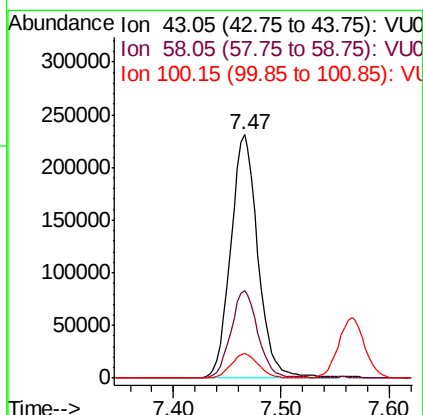
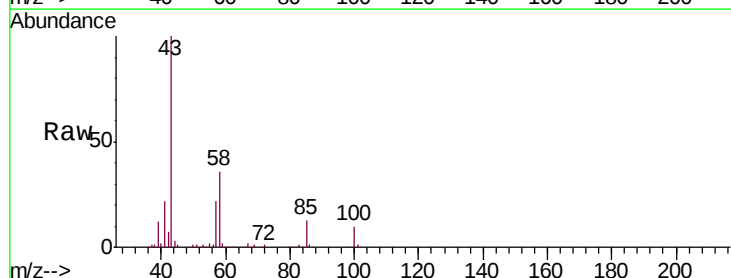
Tgt Ion: 75 Resp: 76804
 Ion Ratio Lower Upper
 75 100
 77 31.7 20.9 38.9

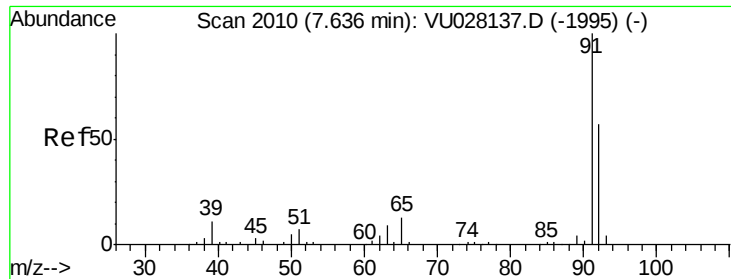


#40

4-Methyl-2-pentanone
 Concen: 50.451 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Tgt Ion: 43 Resp: 406356
 Ion Ratio Lower Upper
 43 100
 58 35.8 29.9 44.9
 100 10.4 9.1 13.7





#42

Toluene

Concen: 4.900 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

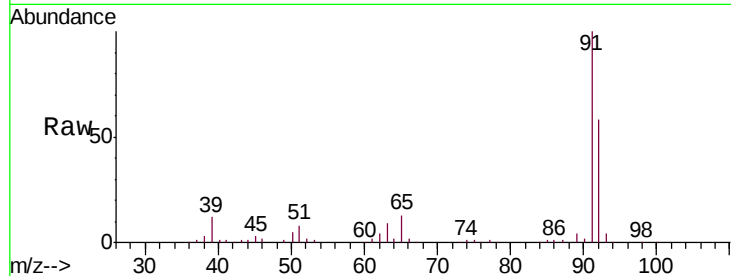
VSTD00509

Tgt Ion: 91 Resp: 213677

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

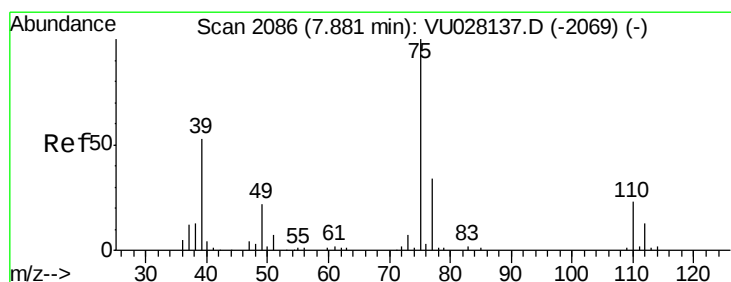
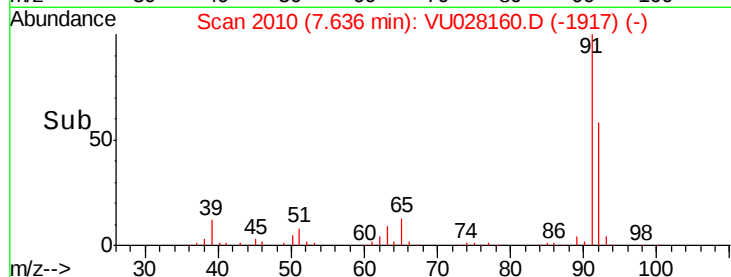
7.64

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.658 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU028160.D

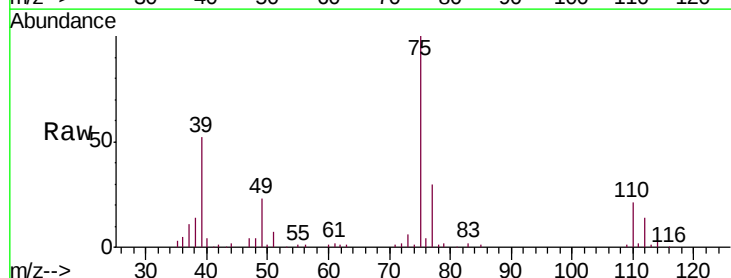
Acq: 15 Nov 2018 09:30

Tgt Ion: 75 Resp: 57719

Ion Ratio Lower Upper

75 100

77 29.7 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

40000

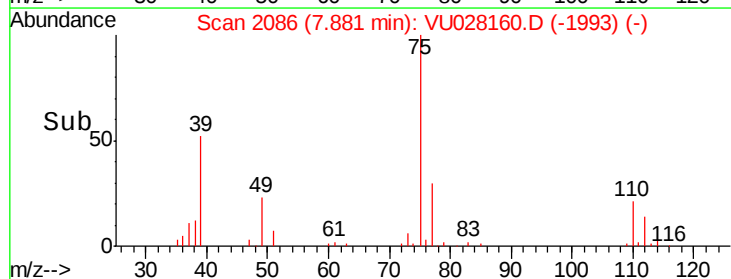
30000

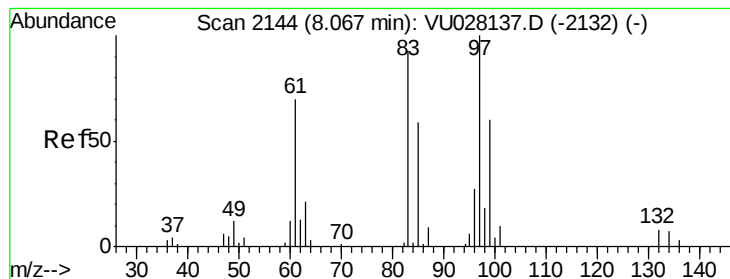
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.712 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tgt Ion: 97 Resp: 33275

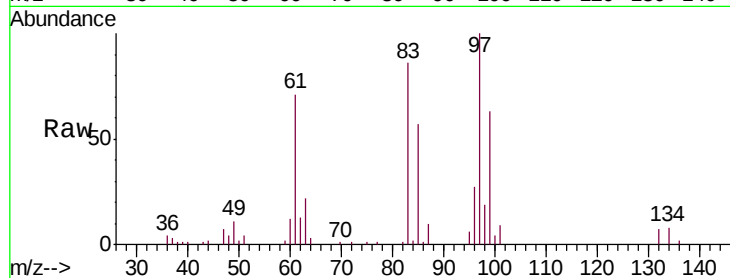
Ion Ratio Lower Upper

97 100

99 63.3 42.1 78.1

83 85.8 63.7 118.3

85 56.5 40.6 75.4

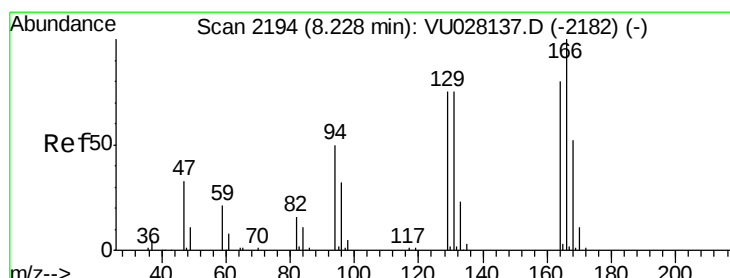
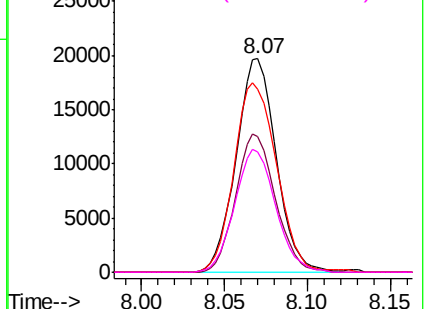
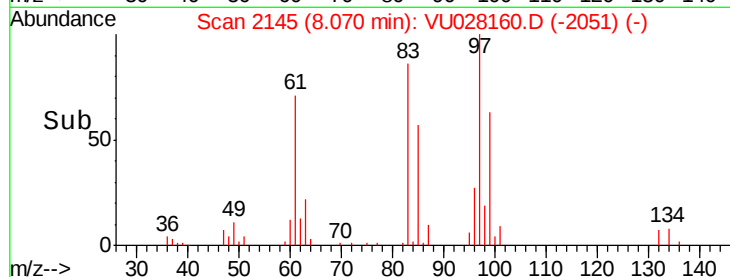


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.274 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Tgt Ion: 164 Resp: 36323

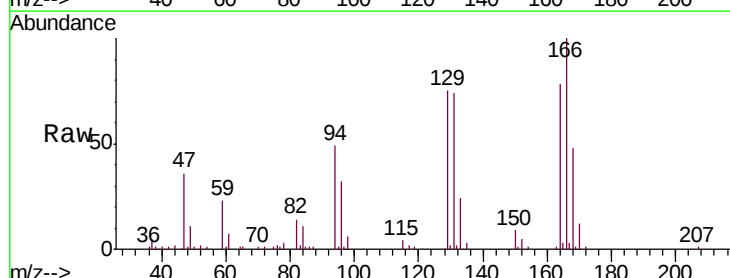
Ion Ratio Lower Upper

164 100

129 96.0 69.7 129.4

131 94.9 64.0 118.8

166 128.7 86.4 160.4

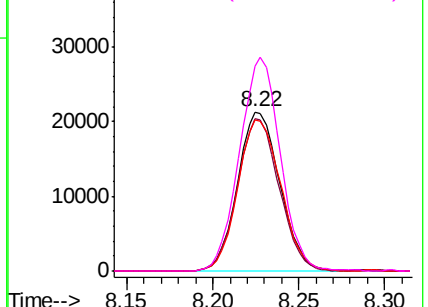
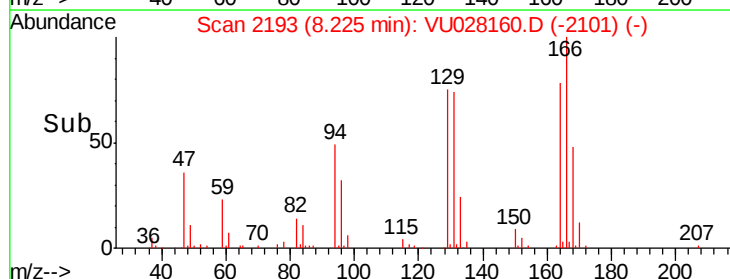


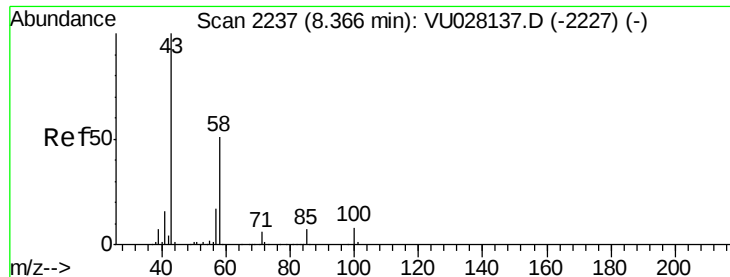
Abundance Ion 163.90 (163.60 to 164.60): V

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

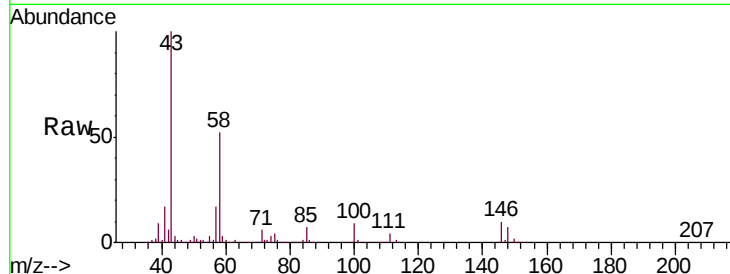




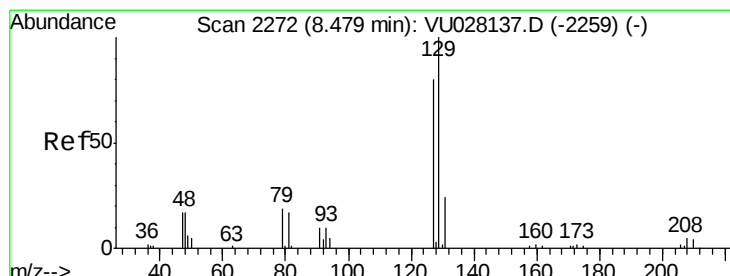
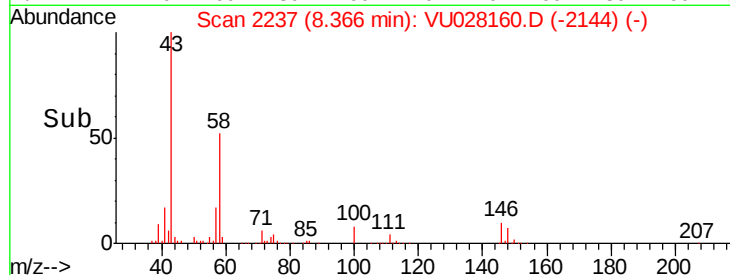
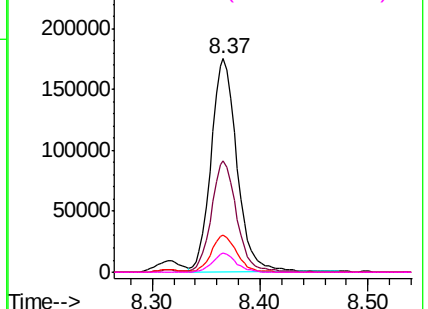
#48
2-Hexanone
Concen: 50.841 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

Instrument :
MSVOA_U
ClientSampled :
VSTD00509

Tgt Ion: 43 Resp: 291374
Ion Ratio Lower Upper
43 100
58 50.7 41.7 62.5
57 17.0 14.0 21.0
100 8.3 7.2 10.8

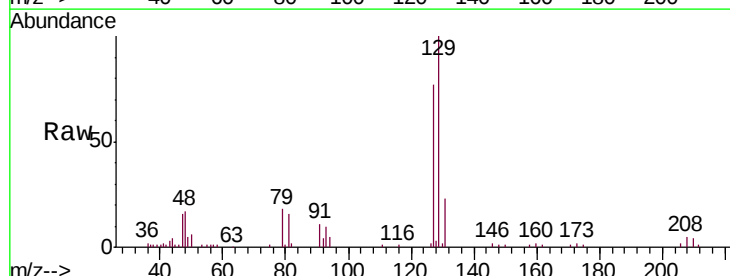


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

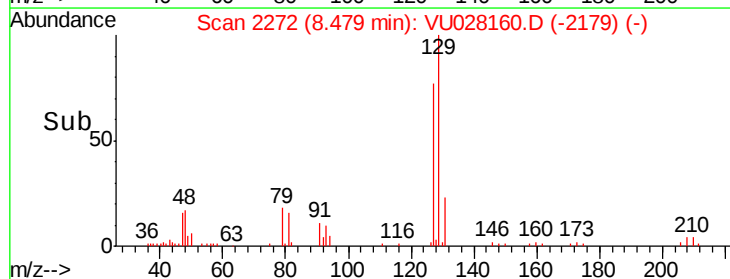
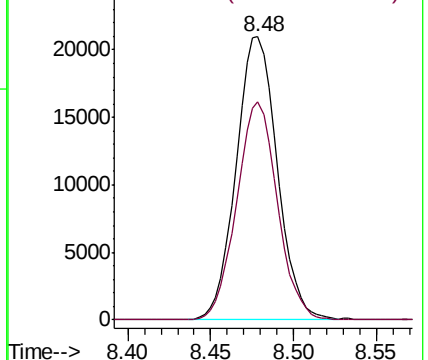


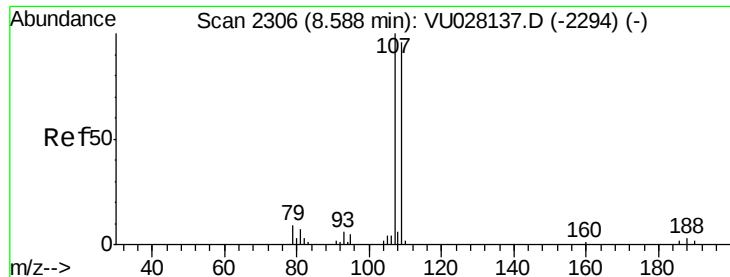
#49
Dibromochloromethane
Concen: 4.817 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

Tgt Ion: 129 Resp: 36208
Ion Ratio Lower Upper
129 100
127 77.1 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

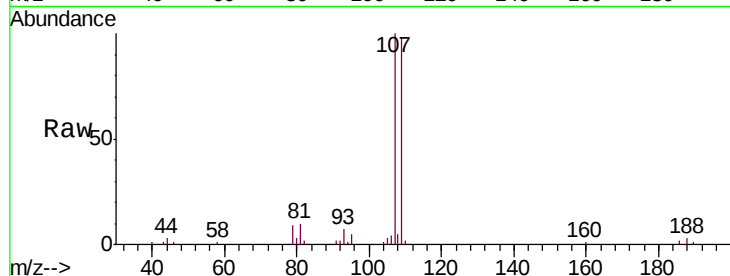




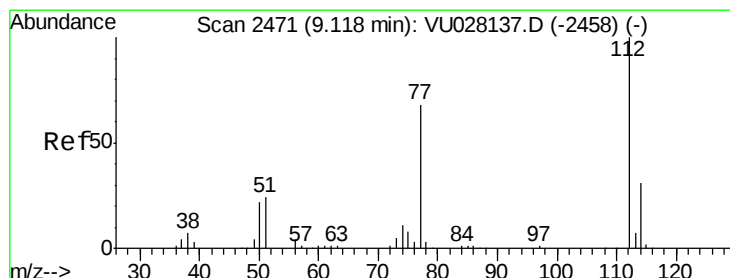
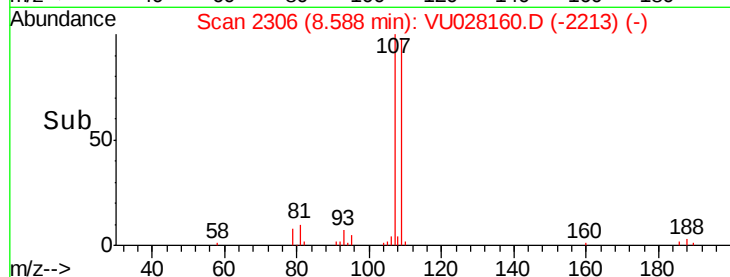
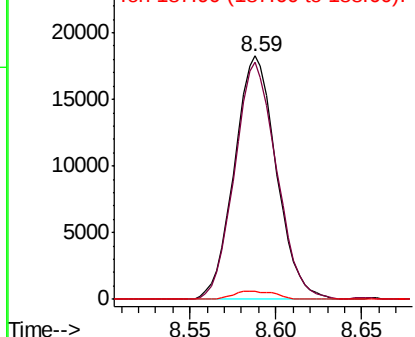
#50
1,2-Dibromoethane
Concen: 4.643 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion:107 Resp: 30869
Ion Ratio Lower Upper
107 100
109 97.6 66.6 123.8
188 3.2 2.5 3.7

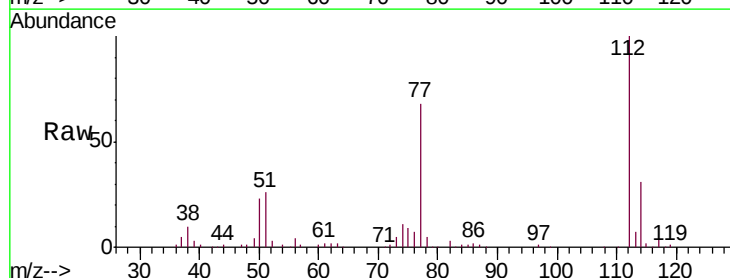


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

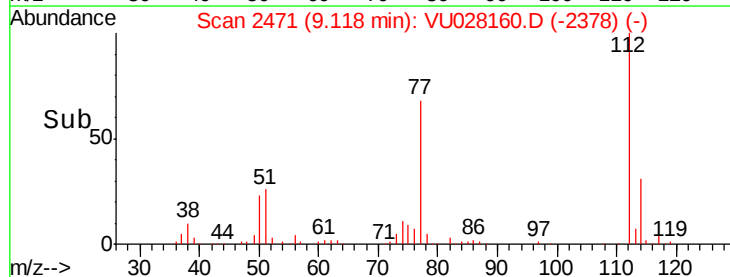
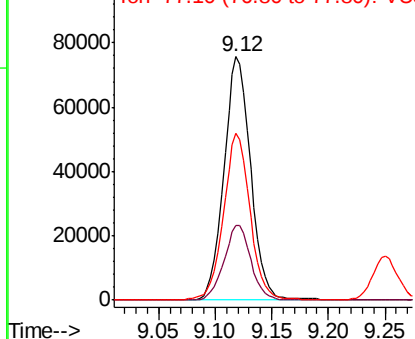


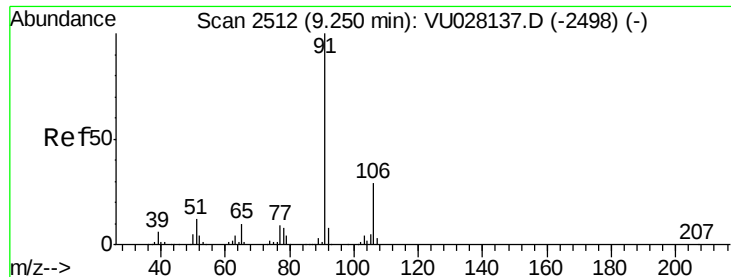
#51
Chlorobenzene
Concen: 4.857 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

Tgt Ion:112 Resp: 123859
Ion Ratio Lower Upper
112 100
114 30.9 22.5 41.7
77 68.3 51.3 76.9



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): V





#52

Ethylbenzene

Concen: 4.958 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

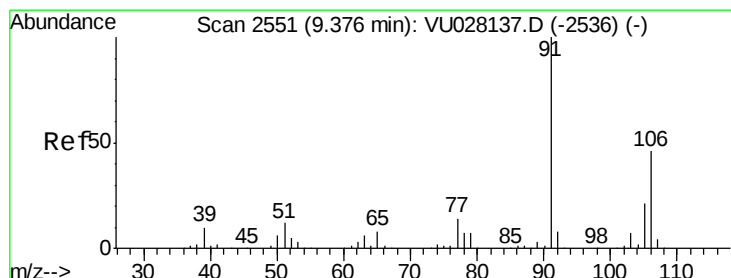
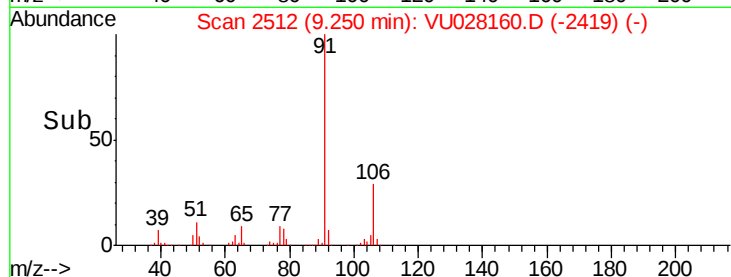
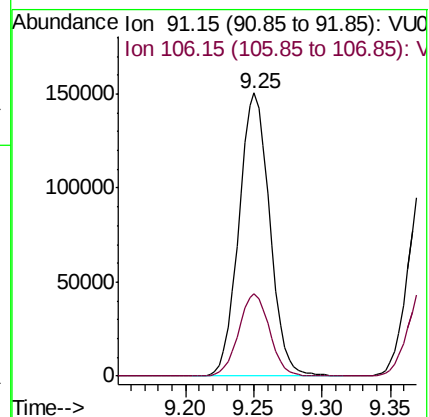
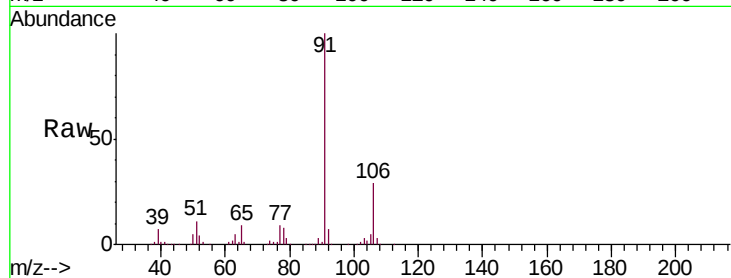
VSTD00509

Tgt Ion: 91 Resp: 236015

Ion Ratio Lower Upper

91 100

106 29.0 20.9 38.7



#53

m,p-xylene

Concen: 4.864 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU028160.D

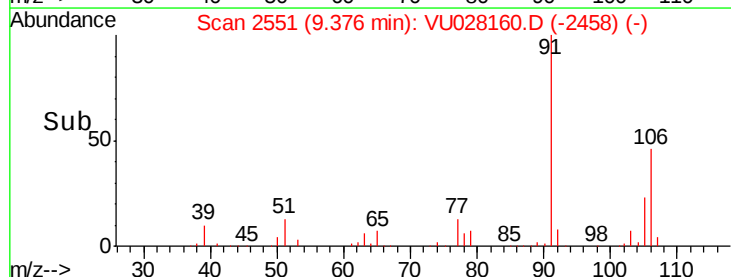
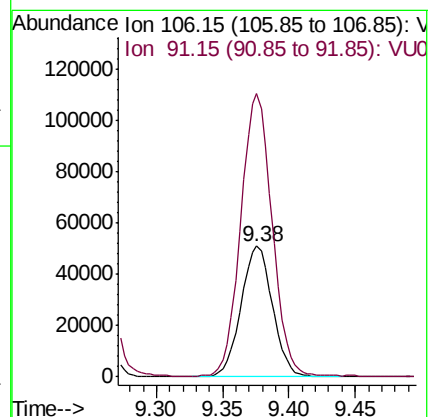
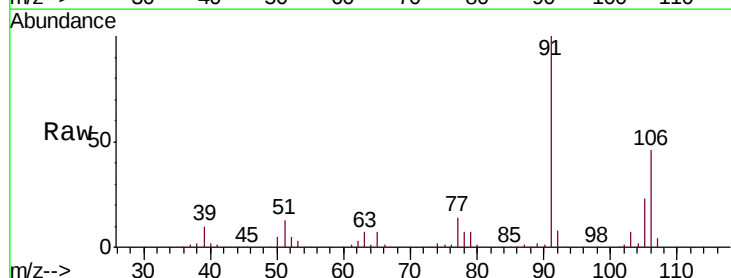
Acq: 15 Nov 2018 09:30

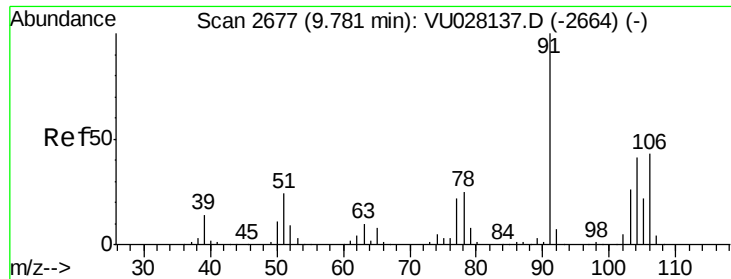
Tgt Ion: 106 Resp: 84359

Ion Ratio Lower Upper

106 100

91 216.6 145.7 270.7

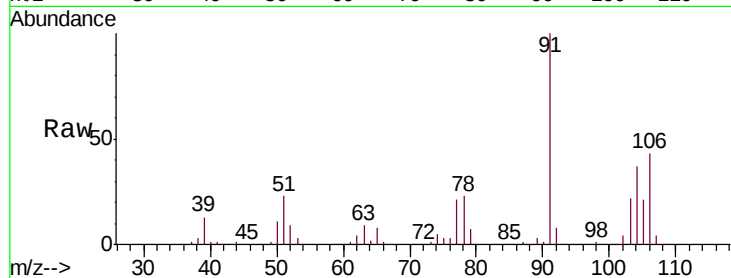




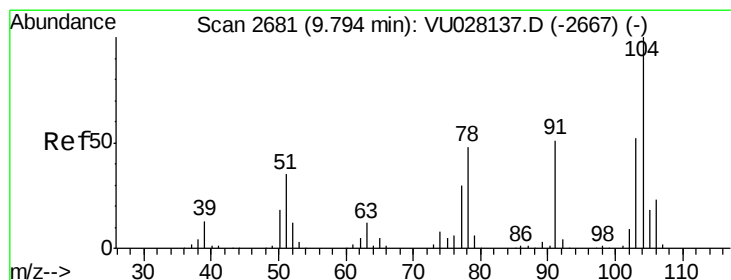
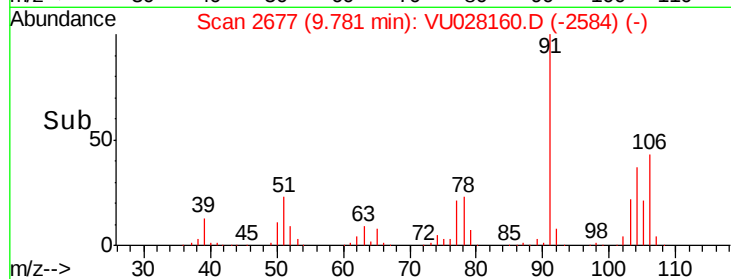
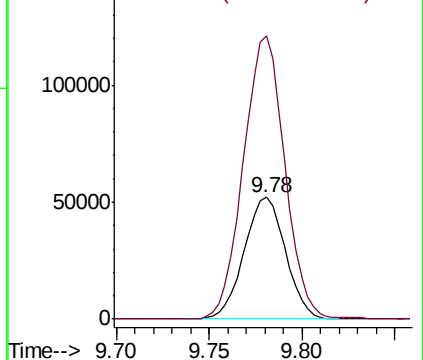
#54
o-xylene
Concen: 4.873 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion:106 Resp: 81355
Ion Ratio Lower Upper
106 100
91 232.7 158.7 294.7

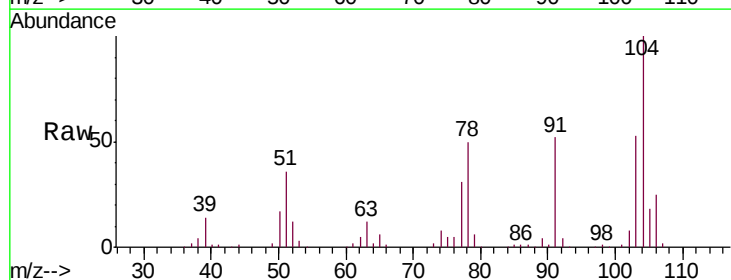


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

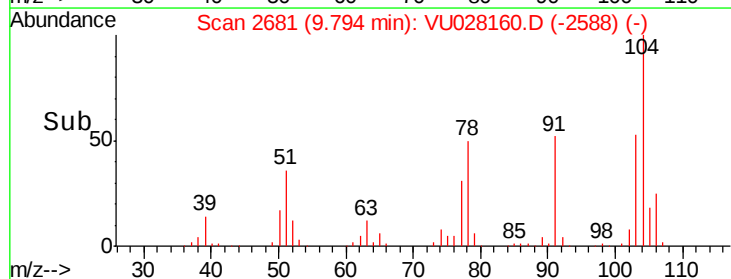
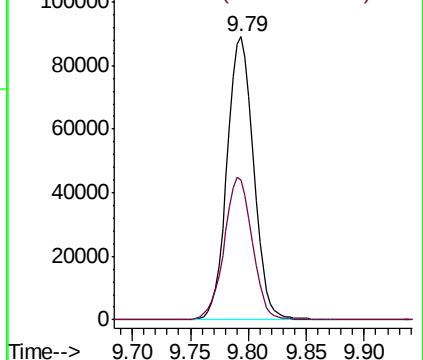


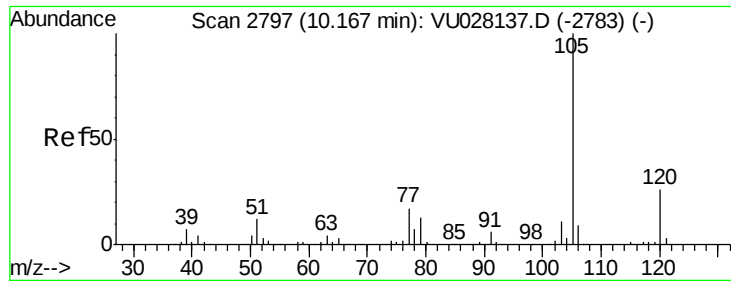
#55
Styrene
Concen: 5.019 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU028160.D
Acq: 15 Nov 2018 09:30

Tgt Ion:104 Resp: 141721
Ion Ratio Lower Upper
104 100
78 49.5 34.5 64.1



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





#56

Isopropylbenzene

Concen: 4.885 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

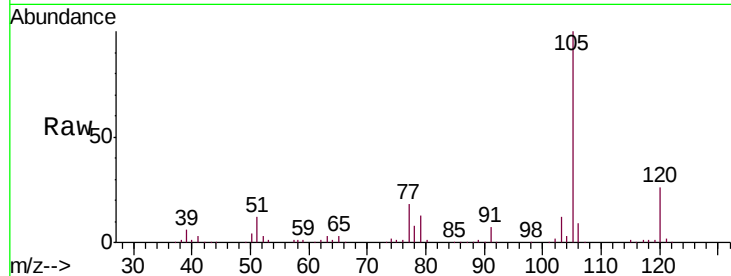
Tgt Ion: 105 Resp: 220624

Ion Ratio Lower Upper

105 100

120 25.0 20.5 30.7

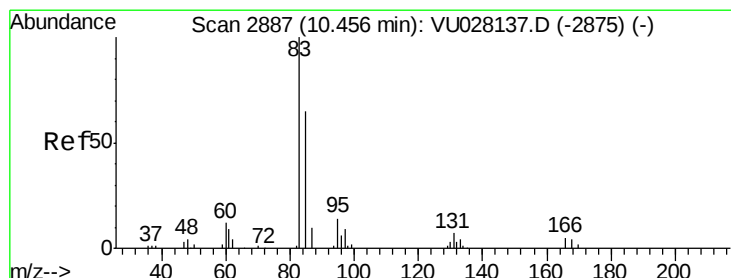
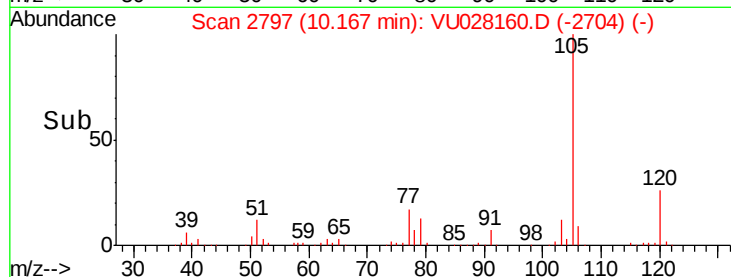
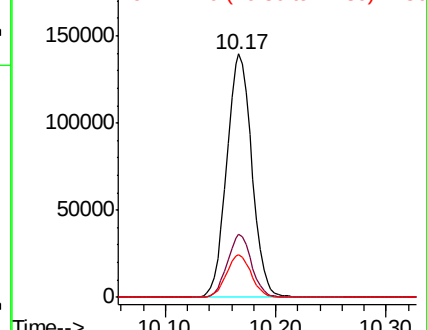
77 17.2 13.3 19.9



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: 4.828 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

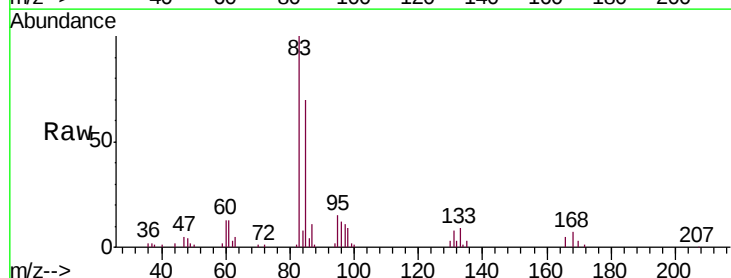
Tgt Ion: 83 Resp: 43943

Ion Ratio Lower Upper

83 100

85 69.9 46.7 86.7

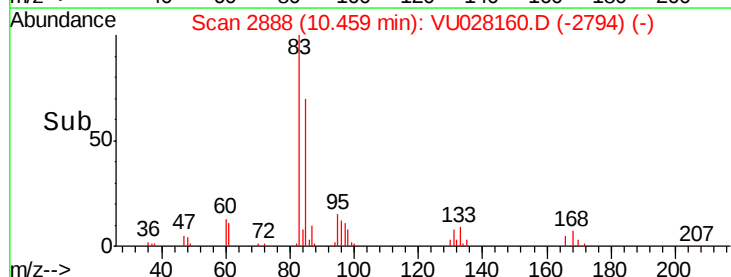
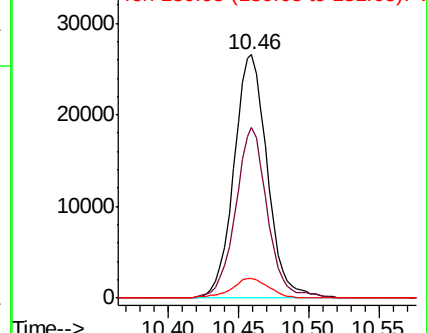
131 7.8 5.9 8.9

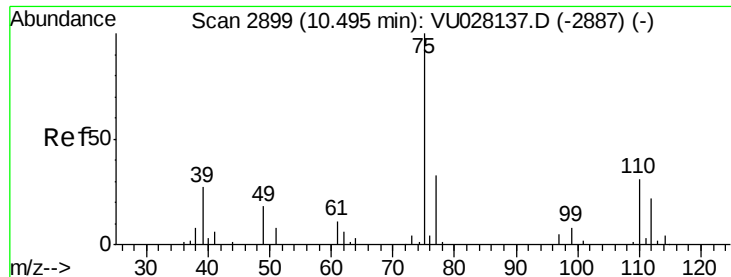


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.919 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

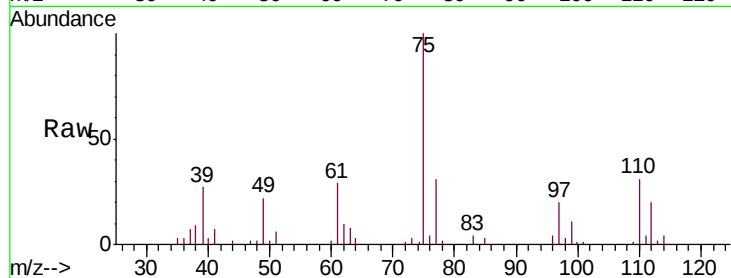
VSTD00509

Tgt Ion: 75 Resp: 32313

Ion Ratio Lower Upper

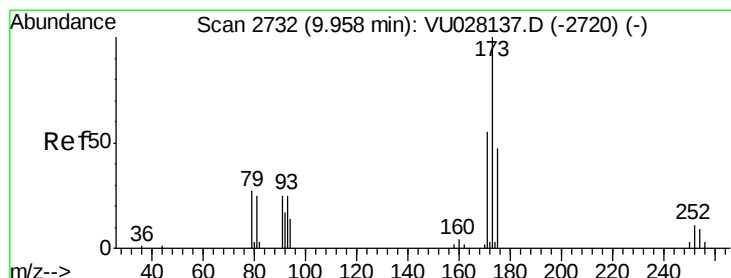
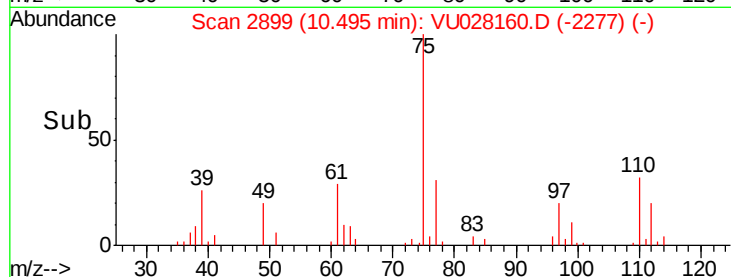
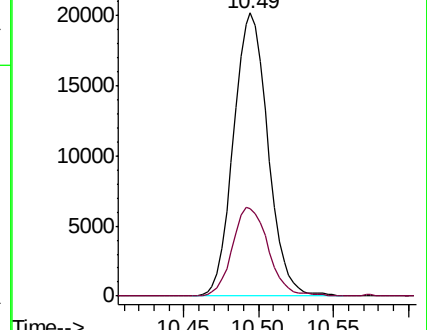
75 100

77 32.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU028137.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU028137.D (-2887) (-)



#61

Bromoform

Concen: 4.405 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

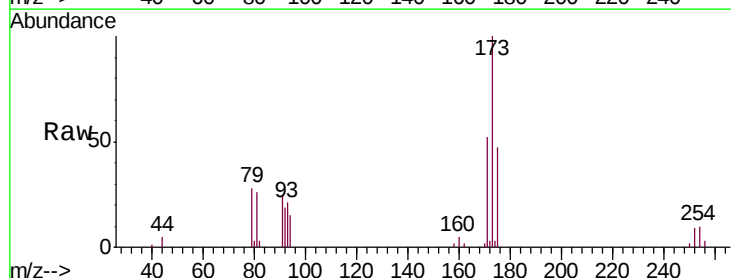
Tgt Ion: 173 Resp: 18238

Ion Ratio Lower Upper

173 100

175 46.5 38.2 57.2

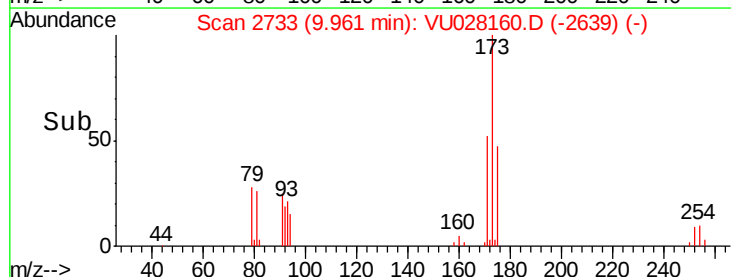
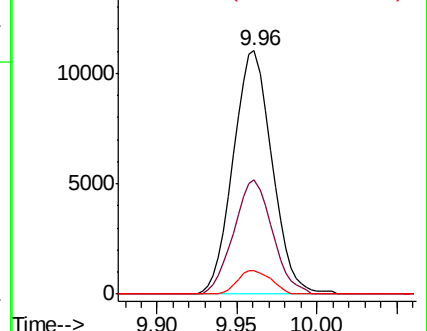
254 8.4 7.1 10.7

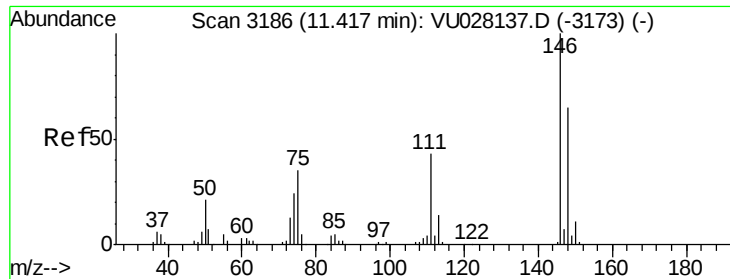


Abundance Ion 172.90 (172.60 to 173.60): VU028137.D (-2720) (-)

Ion 174.90 (174.60 to 175.60): VU028137.D (-2720) (-)

Ion 253.75 (253.45 to 254.45): VU028137.D (-2720) (-)





#62

1,3-Dichlorobenzene

Concen: 4.970 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

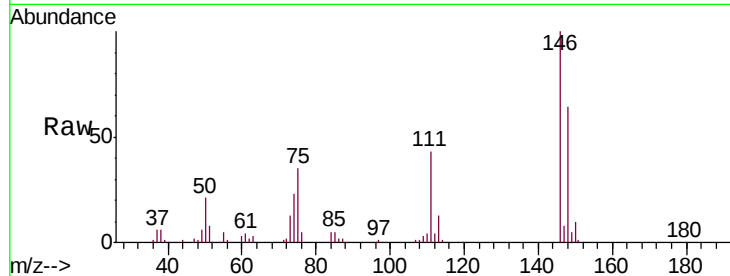
Tgt Ion:146 Resp: 96230

Ion Ratio Lower Upper

146 100

111 43.0 29.3 54.3

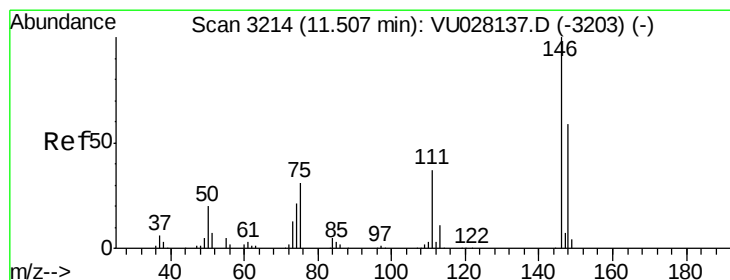
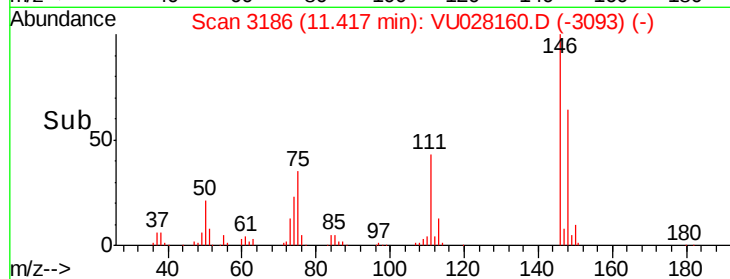
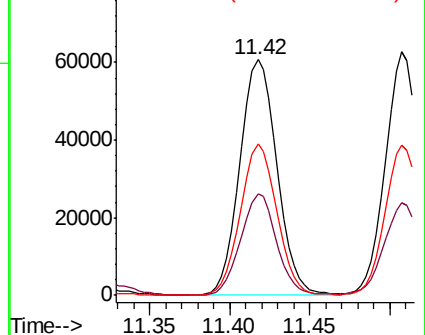
148 64.2 44.1 81.9



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



#63

1,4-Dichlorobenzene

Concen: 4.890 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

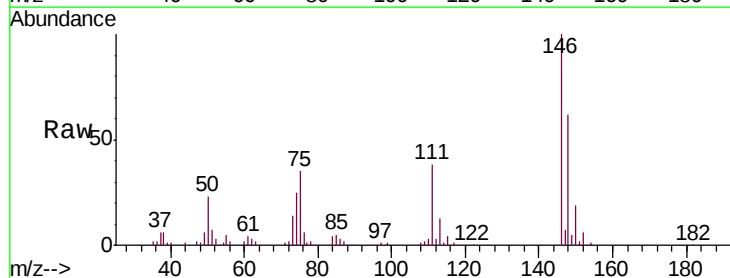
Tgt Ion:146 Resp: 95852

Ion Ratio Lower Upper

146 100

111 37.9 27.4 51.0

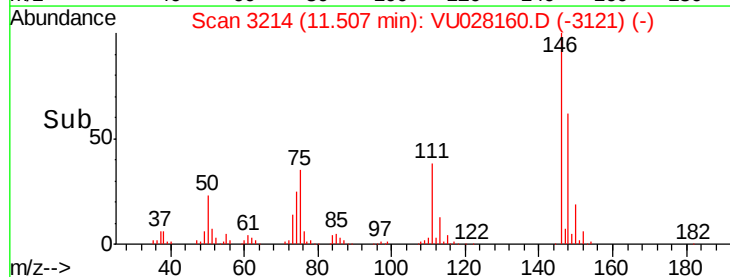
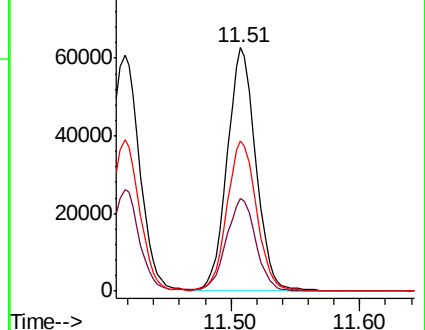
148 61.9 43.8 81.3

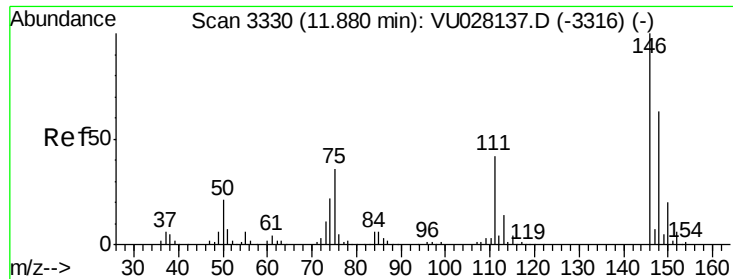


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.746 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

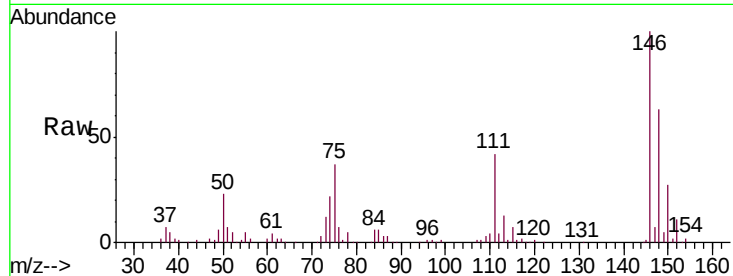
Tgt Ion:146 Resp: 87884

Ion Ratio Lower Upper

146 100

111 42.5 33.9 50.9

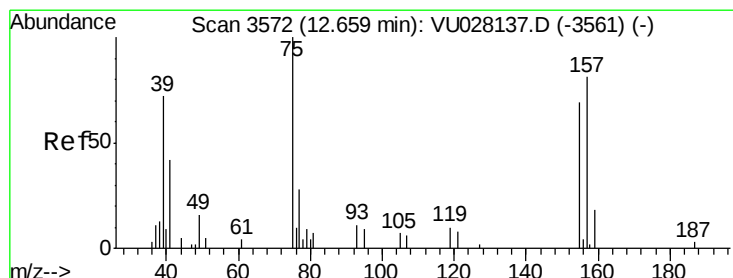
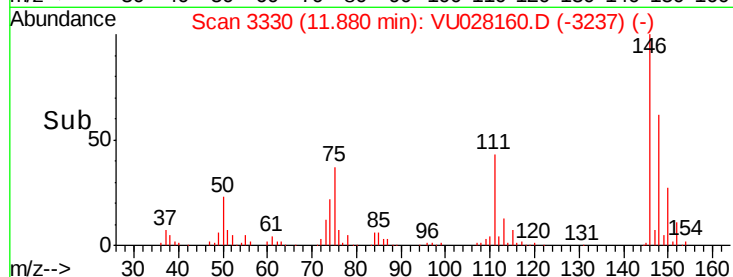
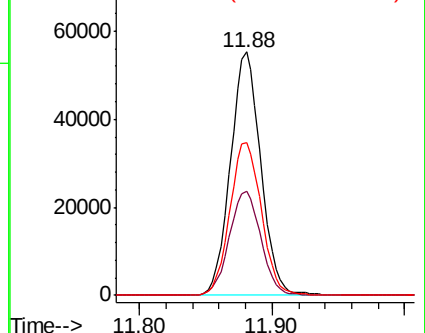
148 62.5 50.9 76.3



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: 4.563 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

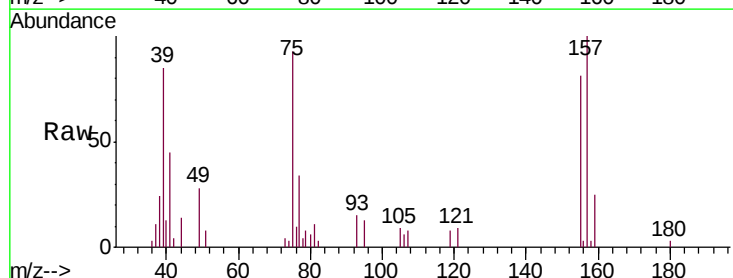
Tgt Ion: 75 Resp: 6131

Ion Ratio Lower Upper

75 100

155 86.4 62.8 94.2

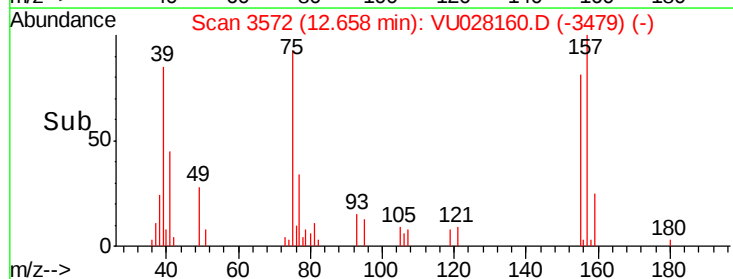
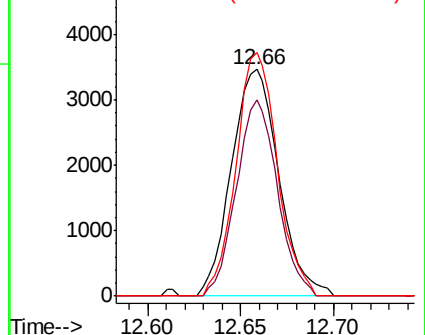
157 107.3 85.3 127.9

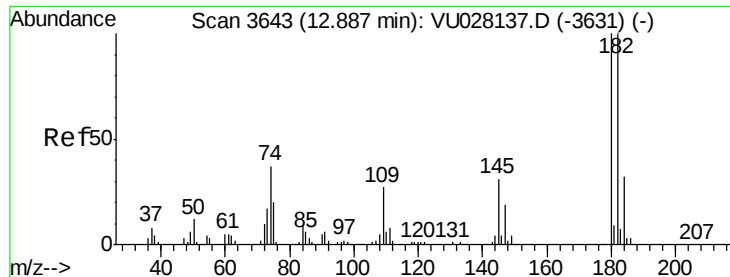


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

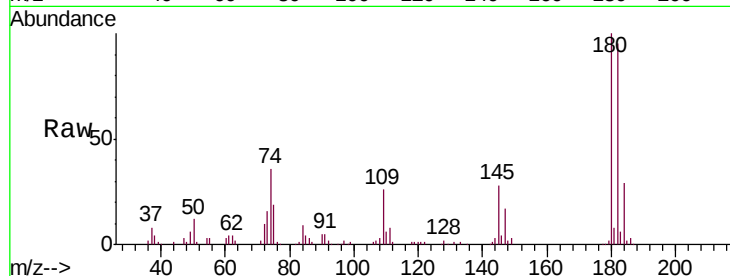




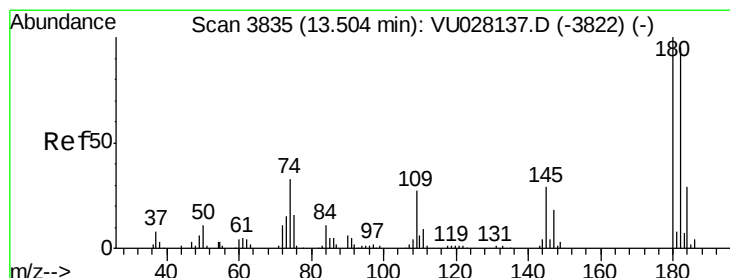
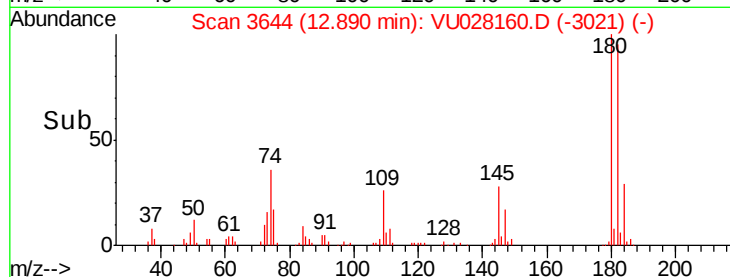
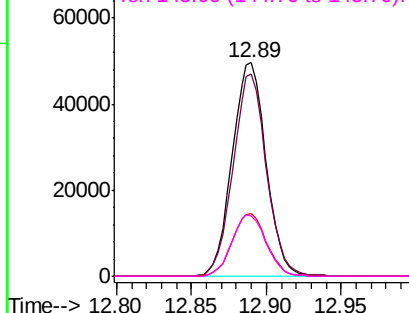
#67
 1,3,5-Trichlorobenzene
 Concen: 5.276 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion:180 Resp: 78364
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.6 114.8
 184 29.6 24.7 37.1
 145 28.8 24.0 36.0

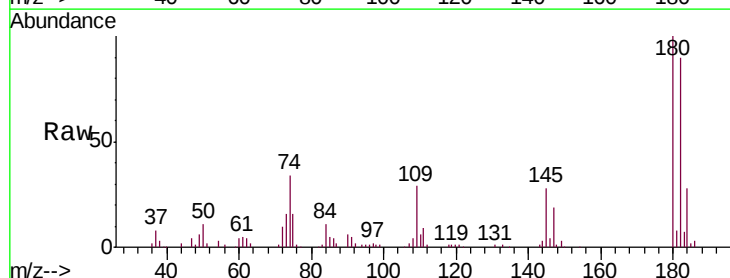


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

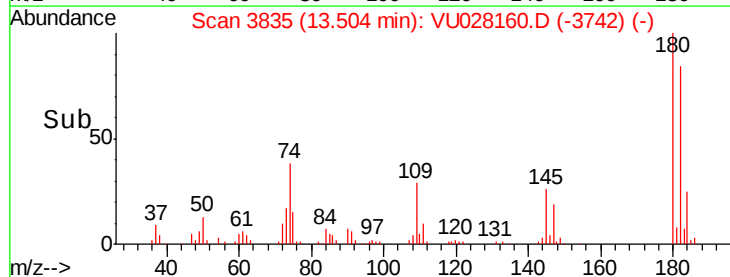
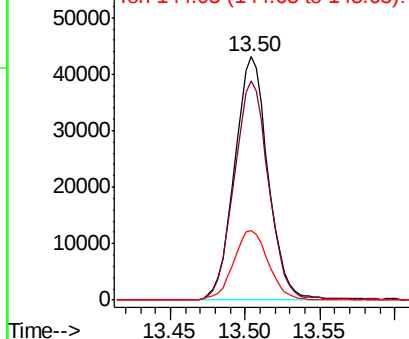


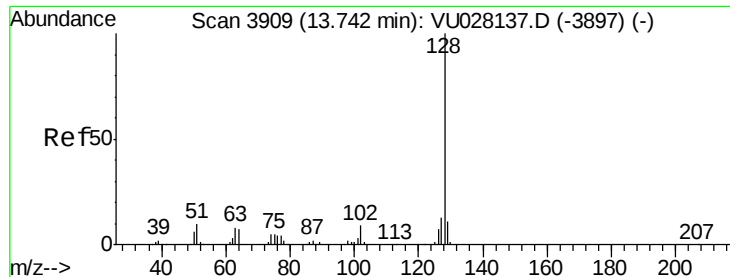
#68
 1,2,4-trichlorobenzene
 Concen: 5.202 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU028160.D
 Acq: 15 Nov 2018 09:30

Tgt Ion:180 Resp: 67349
 Ion Ratio Lower Upper
 180 100
 182 92.6 75.1 112.7
 145 29.8 23.4 35.0



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: 4.864 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

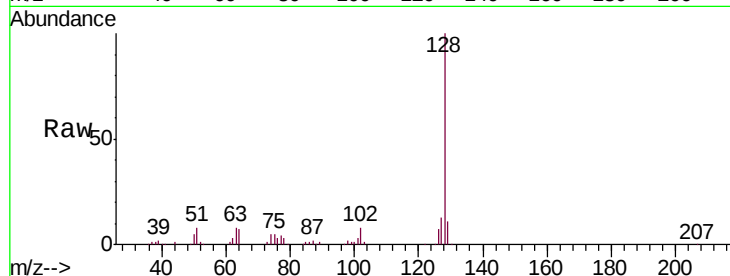
Tgt Ion:128 Resp: 117353

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

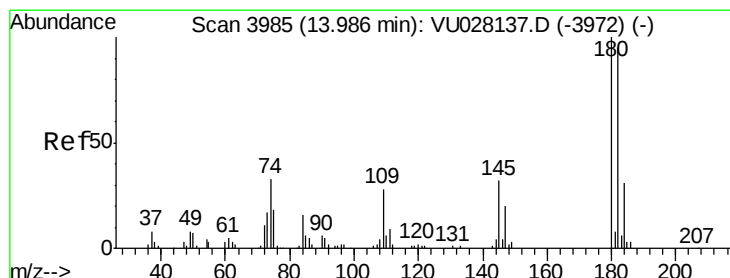
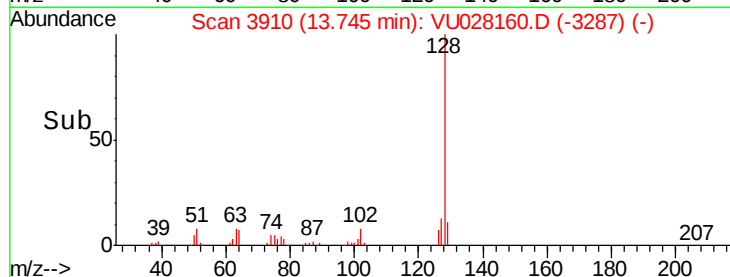
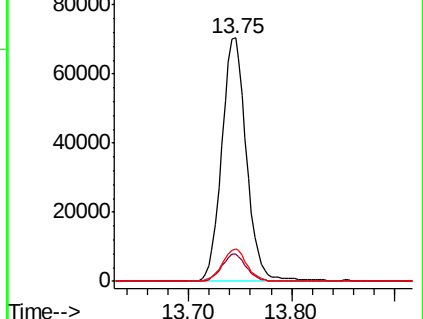
127 13.3 10.2 15.4



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: 4.975 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU028160.D

Acq: 15 Nov 2018 09:30

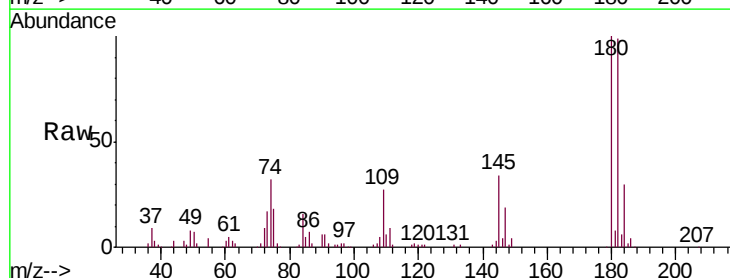
Tgt Ion:180 Resp: 59332

Ion Ratio Lower Upper

180 100

182 97.7 77.6 116.4

145 32.7 26.2 39.4



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

