

Data File : VU031459.D
Acq On : 24 Apr 2019 10:19
Operator : JC/SP
Sample : VSTD00105
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Quant Time: Apr 25 05:49:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 05:46:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	371653	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	349882	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	149283	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28455	0.72	ug/L	0.00
7) Chloroethane-d5	1.68	69	22711	0.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	52619	0.68	ug/L	0.00
20) 2-Butanone-d5	4.22	46	68940	8.55	ug/L	0.00
24) Chloroform-d	4.64	84	45423	0.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	24264	0.88	ug/L	0.00
32) Benzene-d6	5.34	84	88601	0.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	28777	0.94	ug/L	0.00
41) Toluene-d8	7.56	98	80113	0.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	11499	0.94	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	52106	9.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	22884	0.90	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	24737	0.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	29160	0.719 ug/L	98
3) Chloromethane	1.32	50	36543	0.666 ug/L	95
5) Vinyl chloride	1.40	62	37269	0.674 ug/L	98
6) Bromomethane	1.63	94	19147	0.634 ug/L	96
8) Chloroethane	1.70	64	22116	0.698 ug/L	98
9) Trichlorofluoromethane	1.88	101	40169	0.579 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	24033	0.639 ug/L	97
12) 1,1-Dichloroethene	2.28	96	24969	0.665 ug/L	98
13) Acetone	2.36	43	57400	6.850 ug/L	77
14) Carbon disulfide	2.47	76	80529	0.643 ug/L	100
15) Methyl Acetate	2.62	43	15727	0.676 ug/L	94
16) Methylene chloride	2.70	84	28408	0.620 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	68195	0.670 ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	25733	0.646 ug/L	98
19) 1,1-Dichloroethane	3.44	63	48834	0.872 ug/L	95
21) 2-Butanone	4.30	43	73252	7.930 ug/L	93
22) cis-1,2-Dichloroethene	4.22	96	25301	0.786 ug/L	95
23) Bromochloromethane	4.55	128	11643	0.819 ug/L	84
25) Chloroform	4.67	83	44390	0.784 ug/L	96
27) 1,2-Dichloroethane	5.41	62	29602	0.808 ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	36591	0.796 ug/L	99
30) Cyclohexane	4.98	56	43180	0.885 ug/L	97
31) Carbon tetrachloride	5.13	117	31390	0.760 ug/L	94
33) Benzene	5.39	78	99895	0.851 ug/L	100
34) Trichloroethene	6.19	95	26202	0.820 ug/L	98
35) Methylcyclohexane	6.41	83	35771	0.805 ug/L	97
37) 1,2-Dichloropropane	6.43	63	26582	0.852 ug/L	99
38) Bromodichloromethane	6.76	83	31717	0.831 ug/L #	97
39) cis-1,3-Dichloropropene	7.27	75	34793	0.836 ug/L	91
40) 4-Methyl-2-pentanone	7.47	43	177771	8.798 ug/L	96

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	98192	0.833	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	26512	0.776	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	18744	0.842	ug/L	96
47) Tetrachloroethene	8.22	164	17953	0.764	ug/L	95
48) 2-Hexanone	8.37	43	115095	8.048	ug/L	98
49) Dibromochloromethane	8.48	129	19101	0.733	ug/L	96
50) 1,2-Dibromoethane	8.59	107	17690	0.844	ug/L	95
51) Chlorobenzene	9.12	112	61870	0.840	ug/L	98
52) Ethylbenzene	9.25	91	100072	0.813	ug/L	98
53) m,p-Xylene	9.37	106	34816	0.790	ug/L	100
54) o-Xylene	9.78	106	35754	0.821	ug/L	98
55) Styrene	9.79	104	54728	0.757	ug/L	99
56) Isopropylbenzene	10.16	105	91395	0.800	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	22942	0.812	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	17006	0.837	ug/L	99
61) Bromoform	9.96	173	11486	0.816	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	40977	0.842	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	44086	0.898	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	41638	0.849	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	3189	0.794	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	29844	0.752	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	21273	0.743	ug/L	94
69) Naphthalene	13.75	128	35169	0.607	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	21992	0.770	ug/L	99

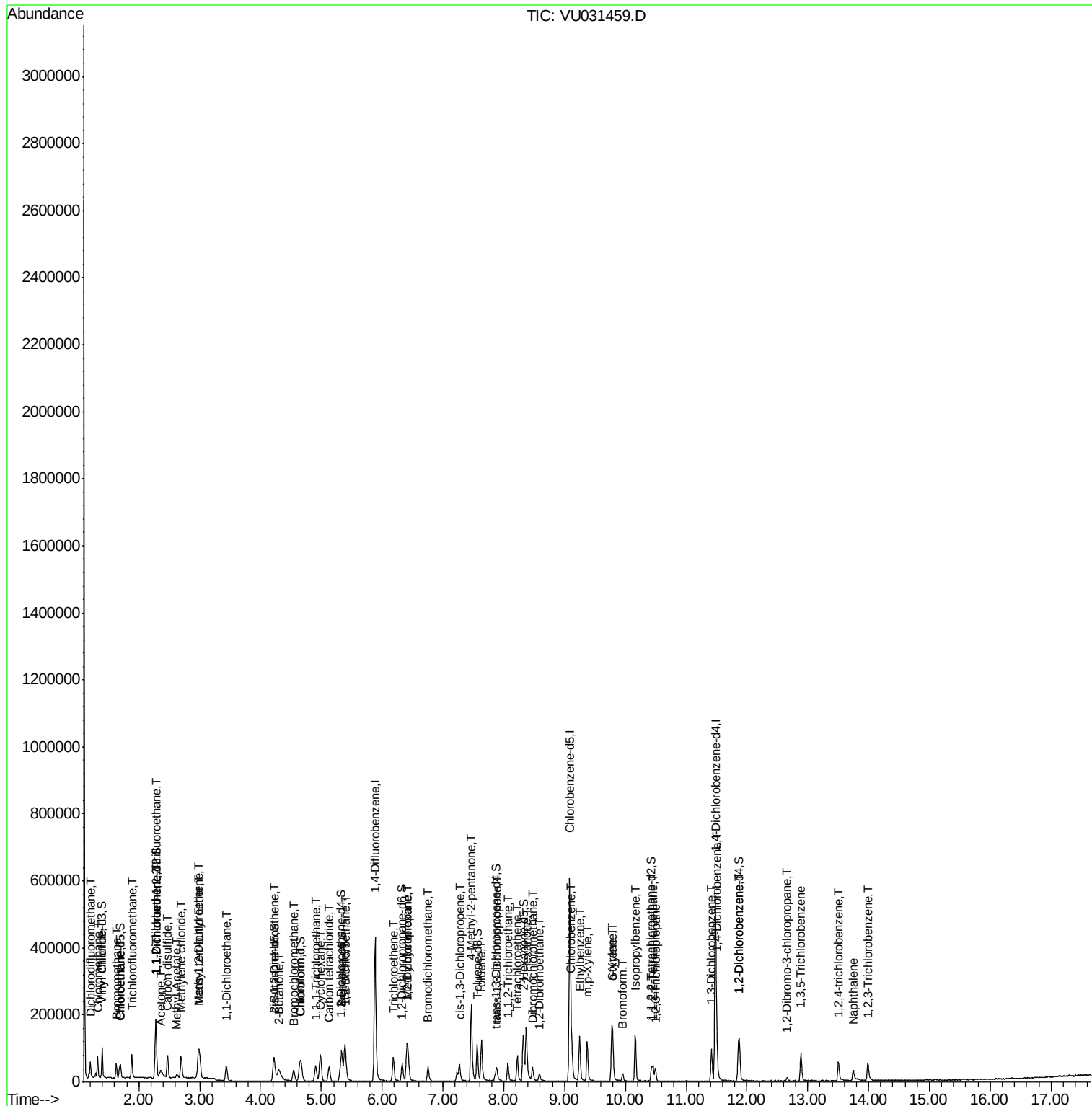
(#) = qualifier out of range (m) = manual integration (+) = signals summed

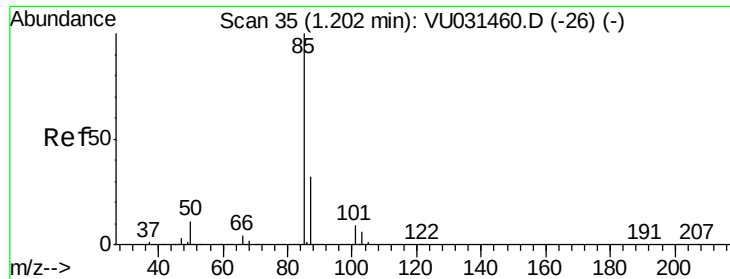
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#2

Dichlorodifluoromethane

Concen: 0.719 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

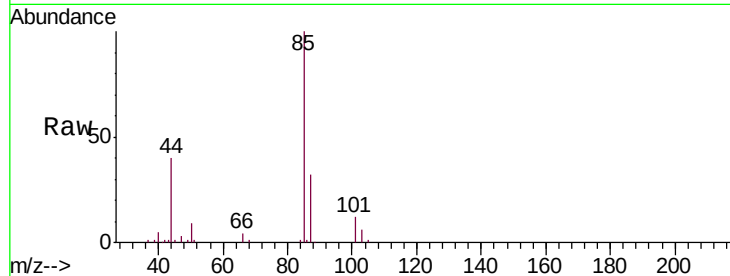
VSTD00105

Tgt Ion: 85 Resp: 29160

Ion Ratio Lower Upper

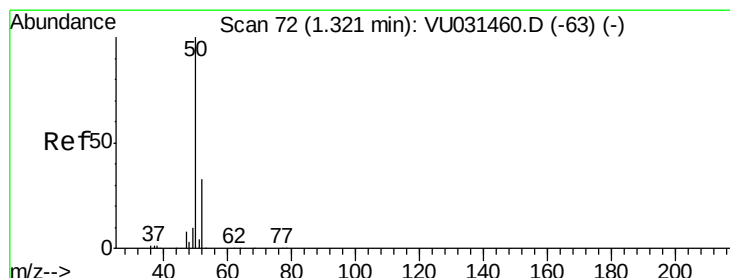
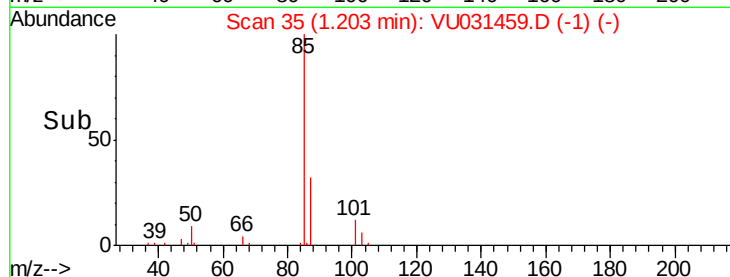
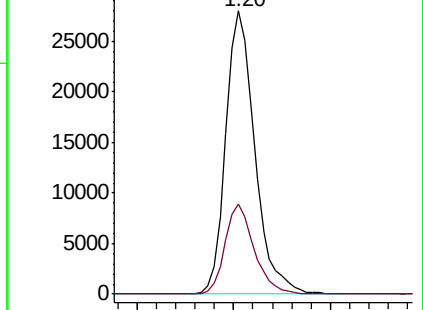
85 100

87 31.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU031460.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU031460.D (-26) (-)



#3

Chloromethane

Concen: 0.666 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031459.D

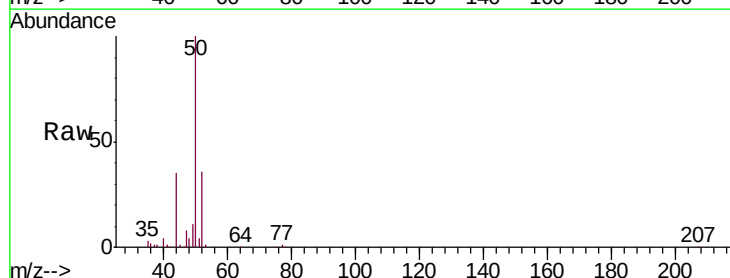
Acq: 24 Apr 2019 10:19

Tgt Ion: 50 Resp: 36543

Ion Ratio Lower Upper

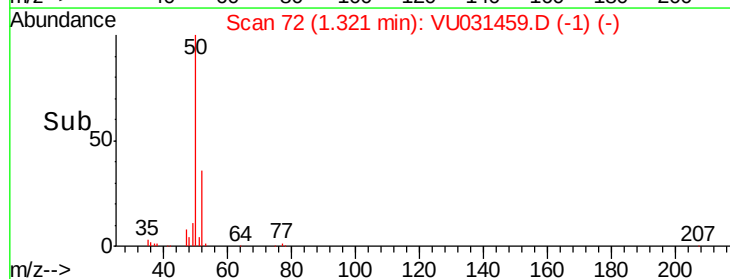
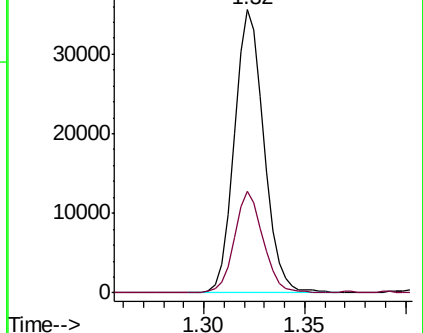
50 100

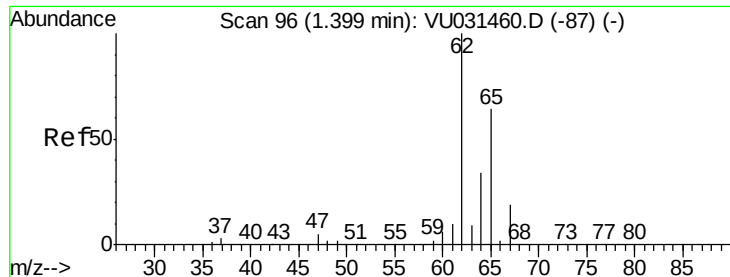
52 35.7 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU031460.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU031460.D (-63) (-)





#5

Vinyl chloride

Concen: 0.674 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

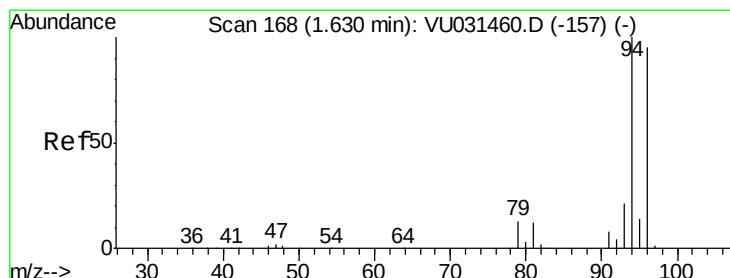
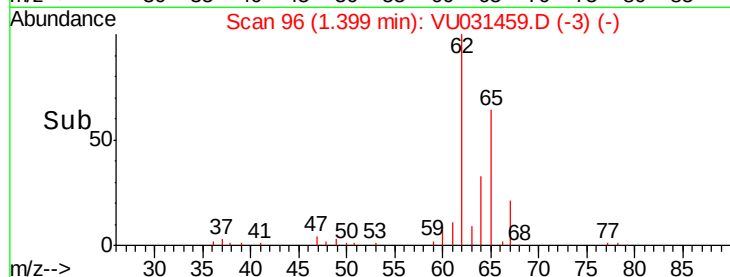
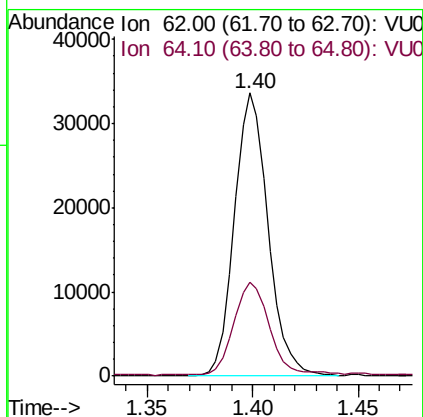
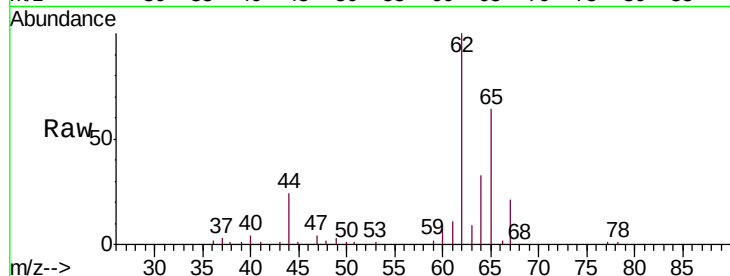
VSTD00105

Tgt Ion: 62 Resp: 37269

Ion Ratio Lower Upper

62 100

64 33.2 23.9 44.5



#6

Bromomethane

Concen: 0.634 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031459.D

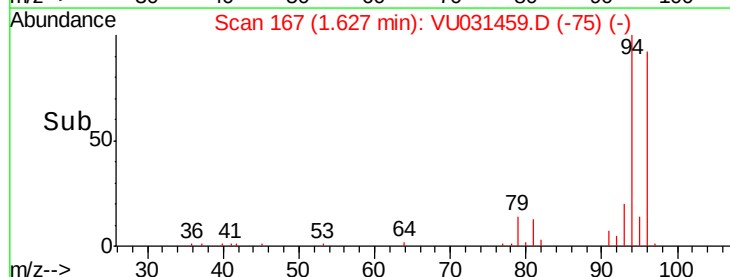
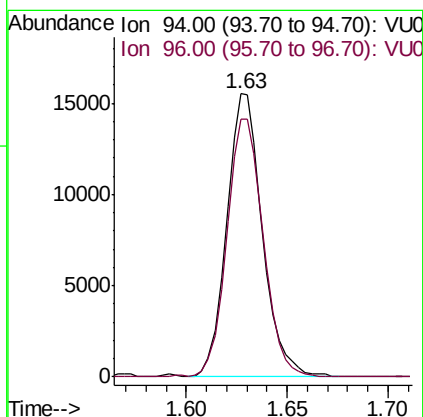
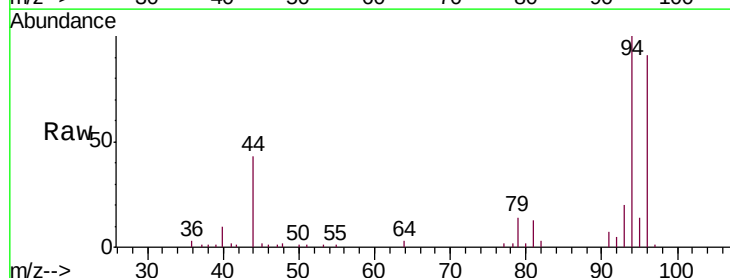
Acq: 24 Apr 2019 10:19

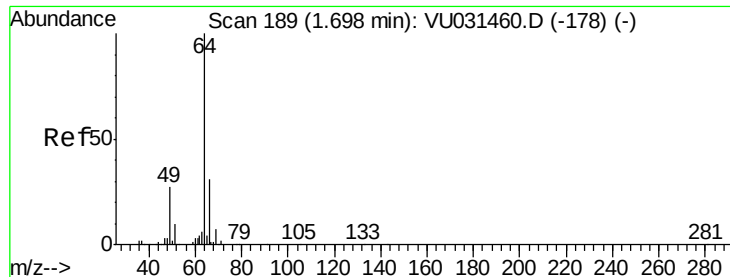
Tgt Ion: 94 Resp: 19147

Ion Ratio Lower Upper

94 100

96 91.1 66.3 123.1





#8

Chloroethane

Concen: 0.698 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

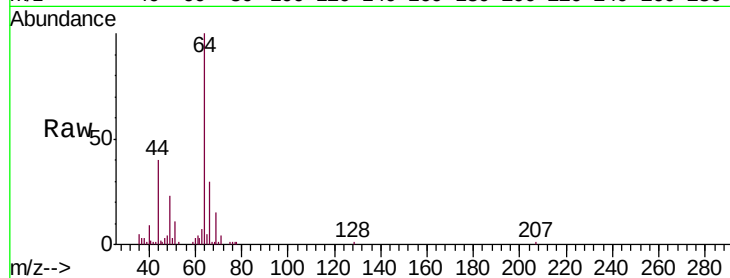
VSTD00105

Tgt Ion: 64 Resp: 22116

Ion Ratio Lower Upper

64 100

66 30.2 22.0 40.8

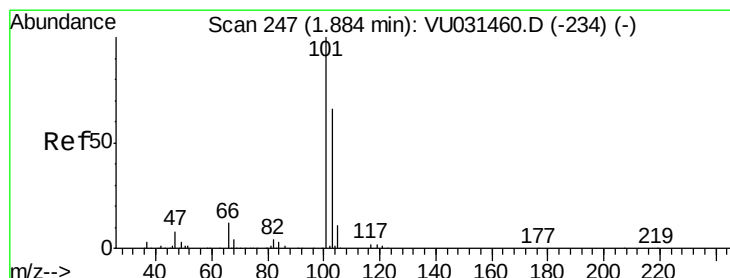
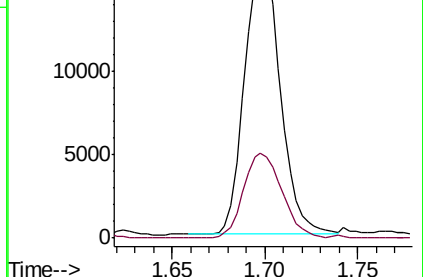
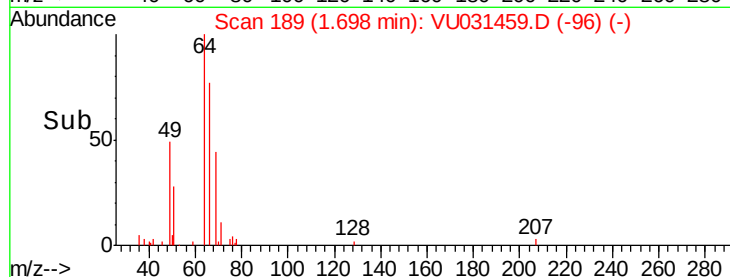


Abundance Ion 64.10 (63.80 to 64.80): VU031460.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031460.D (-178) (-)

1.70

1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 0.579 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031459.D

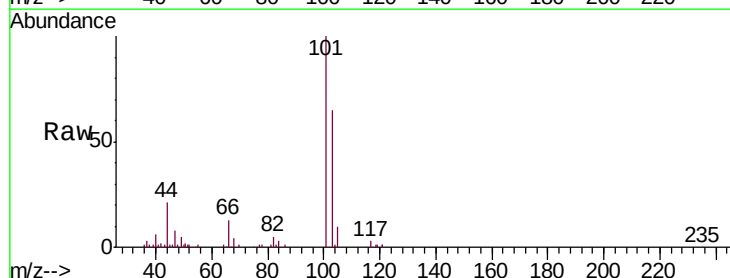
Acq: 24 Apr 2019 10:19

Tgt Ion: 101 Resp: 40169

Ion Ratio Lower Upper

101 100

103 67.3 52.7 79.1

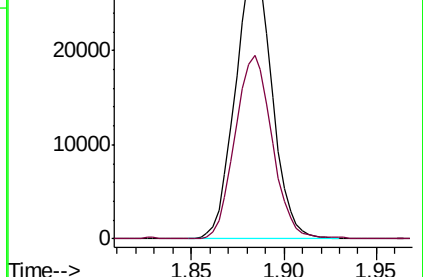
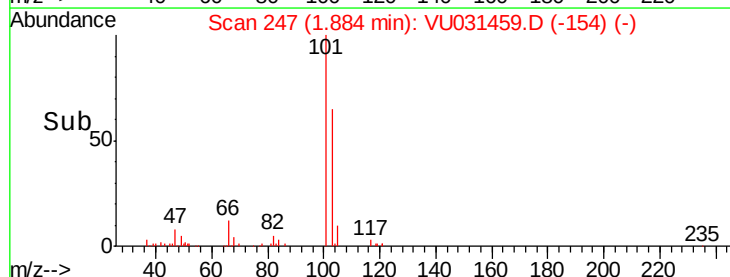


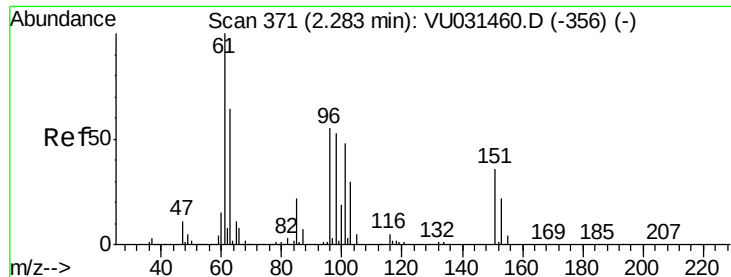
Abundance Ion 101.00 (100.70 to 101.70): VU031460.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU031460.D (-234) (-)

1.88

1.85 1.90 1.95





#10

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

Concen: 0.639 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

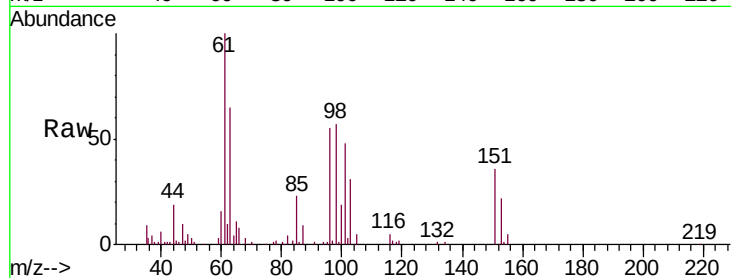
Tgt Ion:101 Resp: 24033

Ion Ratio Lower Upper

101 100

85 45.9 35.8 53.6

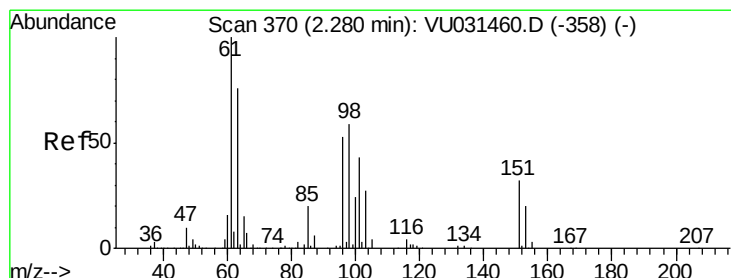
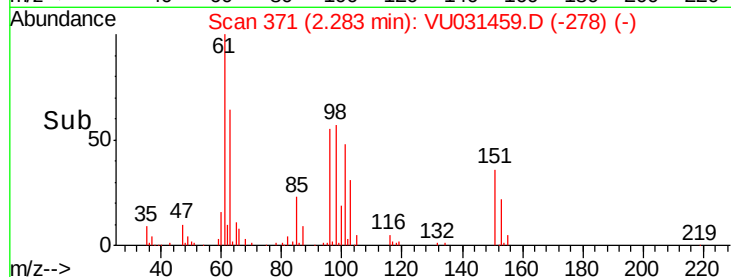
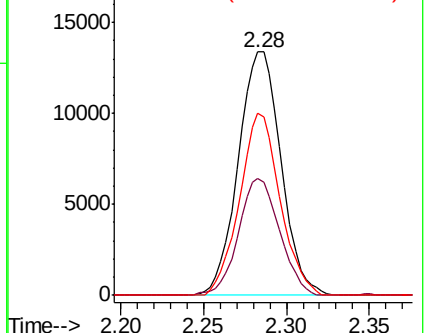
151 70.7 59.2 88.8



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: 0.665 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

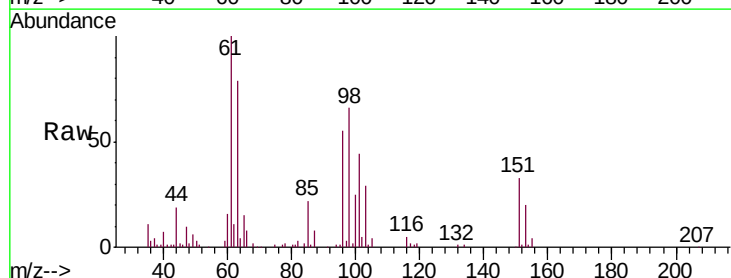
Tgt Ion: 96 Resp: 24969

Ion Ratio Lower Upper

96 100

61 183.5 131.3 243.8

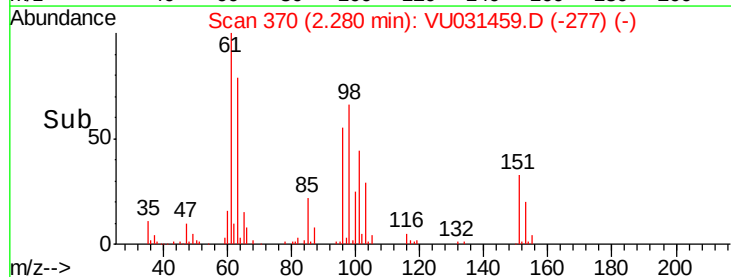
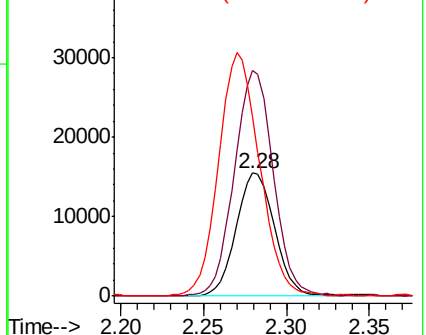
63 145.7 101.9 189.3

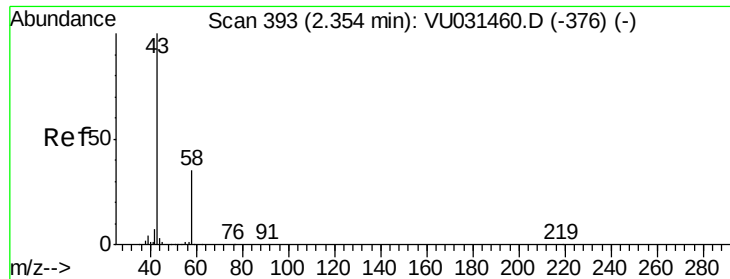


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.850 ug/L

RT: 2.36 min Scan# 395

Delta R.T. 0.01 min

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ClientSampleId :

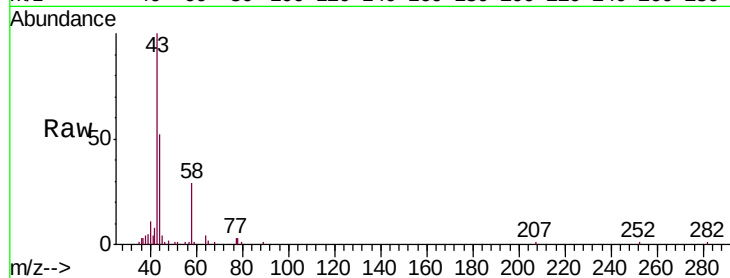
VSTD00105

Tgt Ion: 43 Resp: 57400

Ion Ratio Lower Upper

43 100

58 18.7 0.0 62.4



Abundance Ion 43.05 (42.75 to 43.75): VU031460.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU031460.D (-376) (-)

2.36

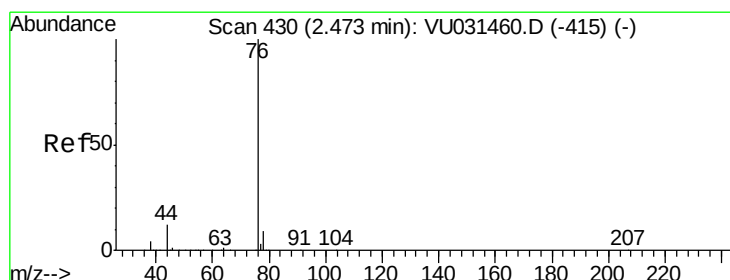
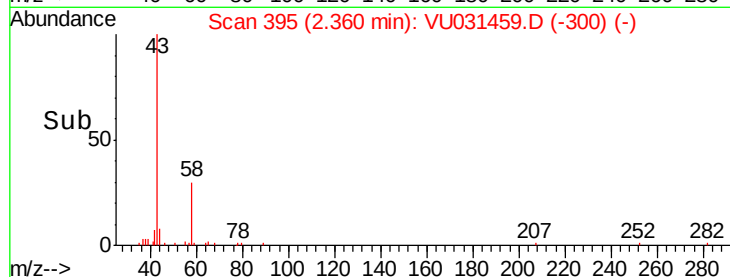
15000

10000

5000

0

Time--> 2.20 2.30 2.40 2.50



#14

Carbon disulfide

Concen: 0.643 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031459.D

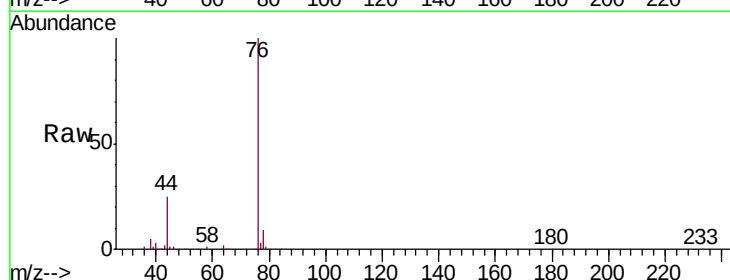
Acq: 24 Apr 2019 10:19

Tgt Ion: 76 Resp: 80529

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU031460.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU031460.D (-415) (-)

2.47

50000

40000

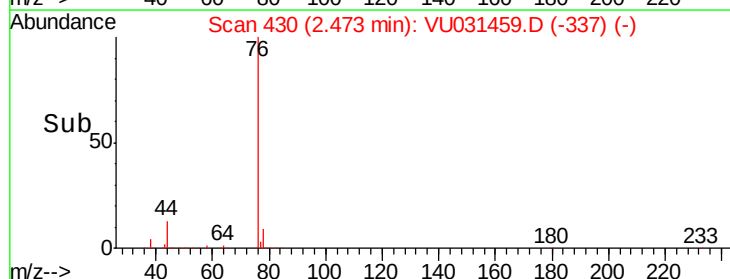
30000

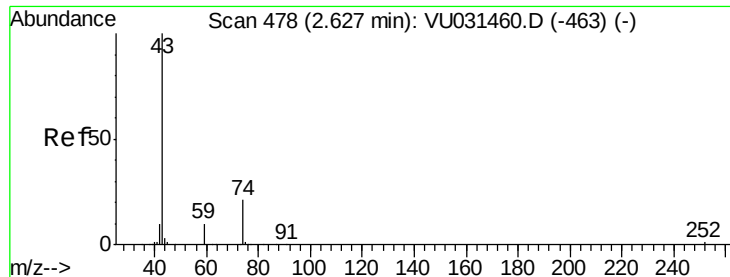
20000

10000

0

Time--> 2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 0.676 ug/L

RT: 2.62 min Scan# 477

Delta R.T. -0.00 min

Lab File: VU031459.D

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ClientSampleId :

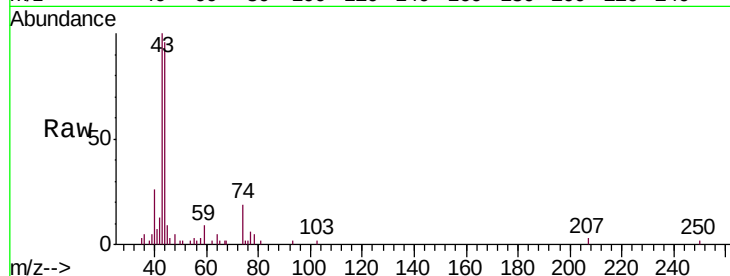
VSTD00105

Tgt Ion: 43 Resp: 15727

Ion Ratio Lower Upper

43 100

74 18.7 17.1 25.7



Abundance Ion 43.05 (42.75 to 43.75): VU031460.D (-463) (-)

Ion 74.05 (73.75 to 74.75): VU031460.D (-463) (-)

2.62

6000

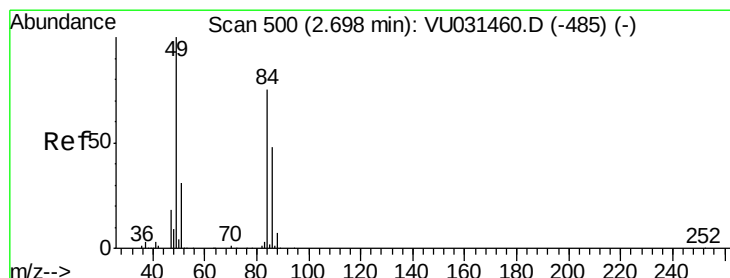
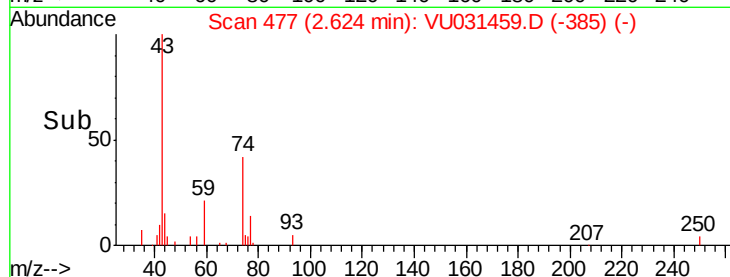
4000

2000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 0.620 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

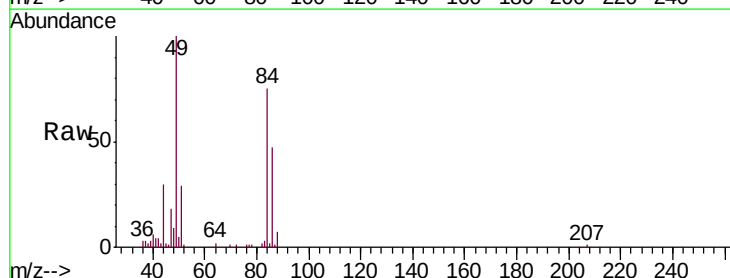
Tgt Ion: 84 Resp: 28408

Ion Ratio Lower Upper

84 100

86 63.6 44.9 83.5

49 134.1 92.9 172.5



Abundance Ion 84.05 (83.75 to 84.75): VU031460.D (-485) (-)

Ion 86.00 (85.70 to 86.70): VU031460.D (-485) (-)

Ion 49.10 (48.80 to 49.80): VU031460.D (-485) (-)

2.70

25000

20000

15000

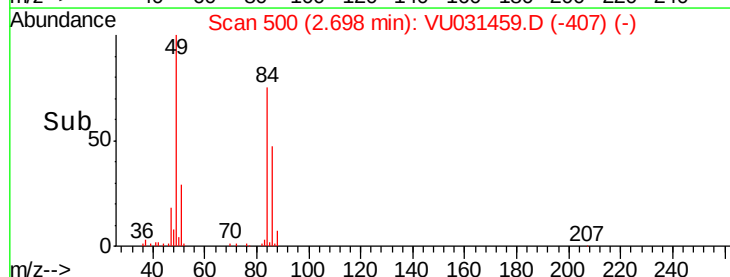
10000

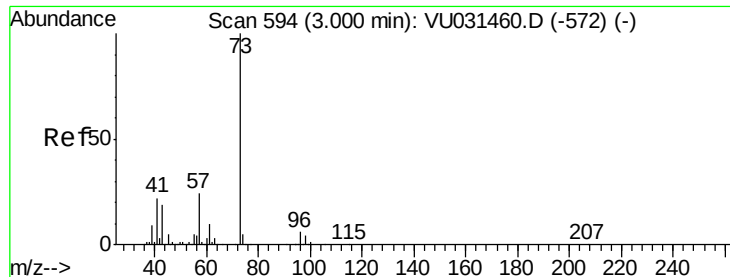
5000

0

2.65 2.70 2.75 2.80

Time-->



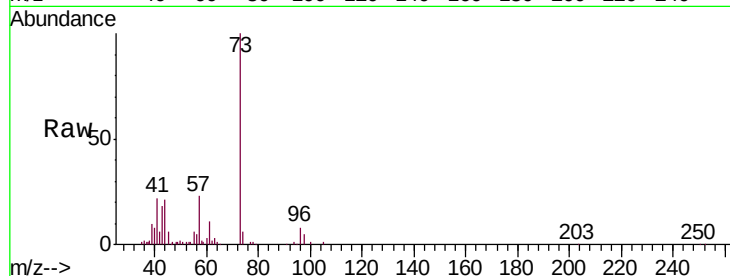


#17

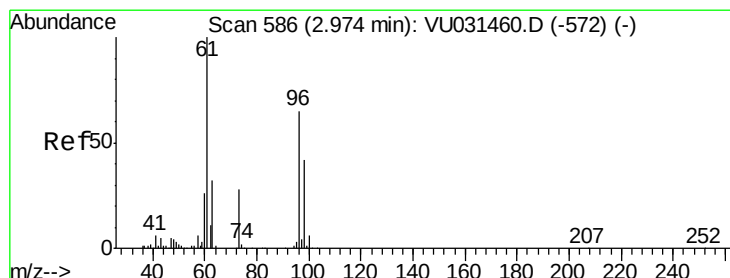
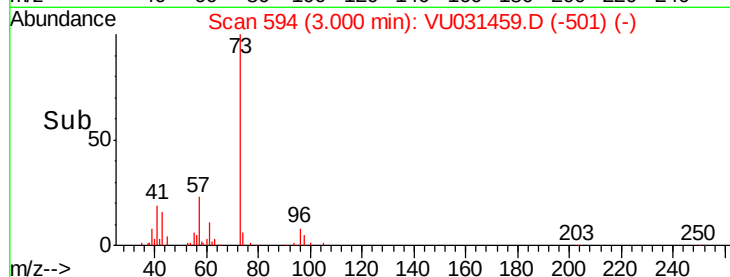
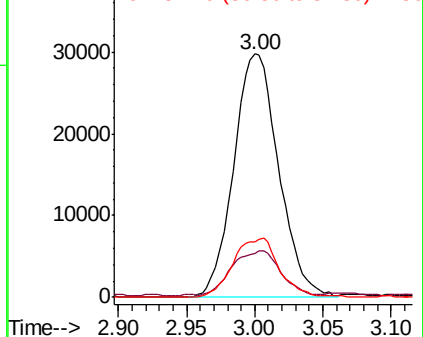
Methyl tert-butyl Ether
 Concen: 0.670 ug/L
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion: 73 Resp: 68195
 Ion Ratio Lower Upper
 73 100
 43 20.0 15.4 23.0
 57 25.0 19.1 28.7



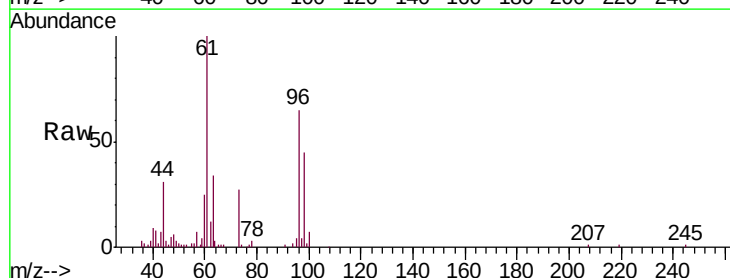
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



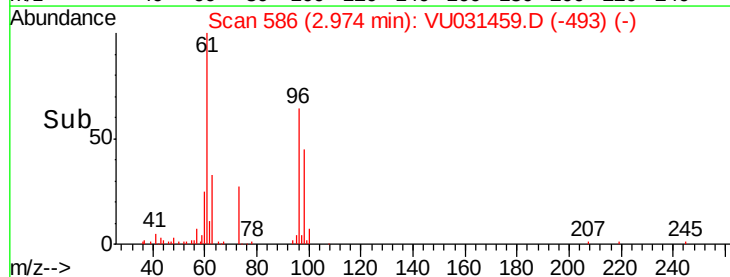
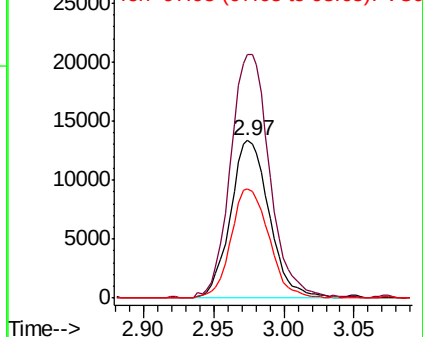
#18

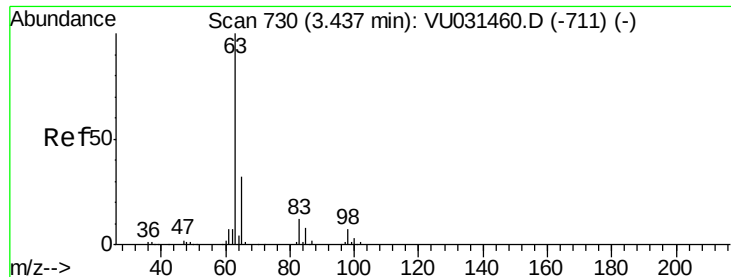
trans-1,2-Dichloroethene
 Concen: 0.646 ug/L
 RT: 2.97 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Tgt Ion: 96 Resp: 25733
 Ion Ratio Lower Upper
 96 100
 61 154.3 108.4 201.2
 98 69.6 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

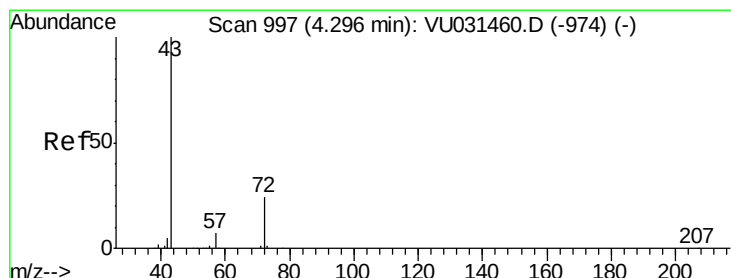
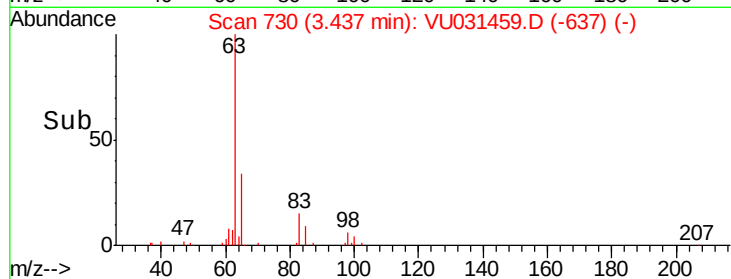
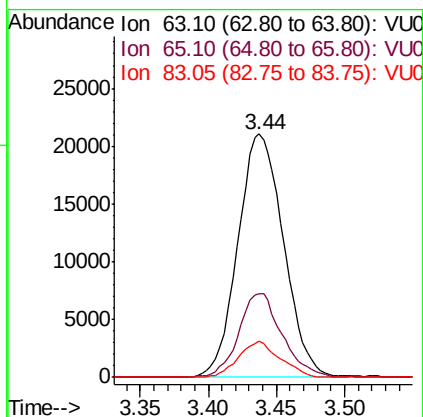
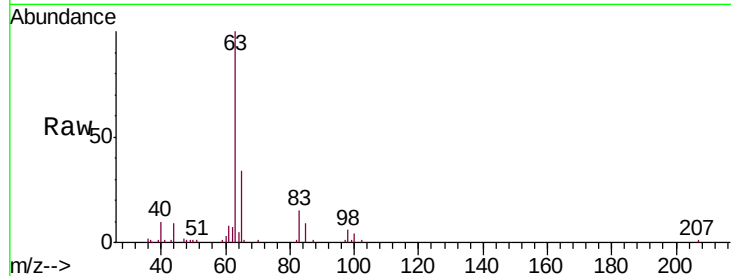




#19
 1,1-Dichloroethane
 Concen: 0.872 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

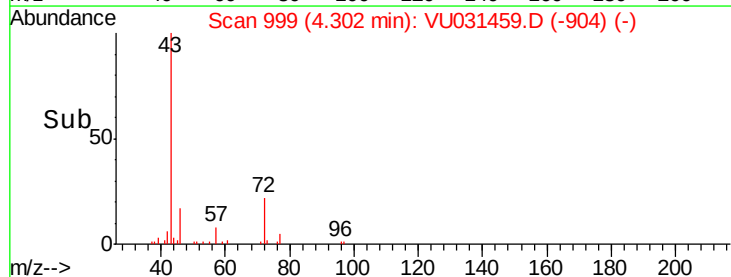
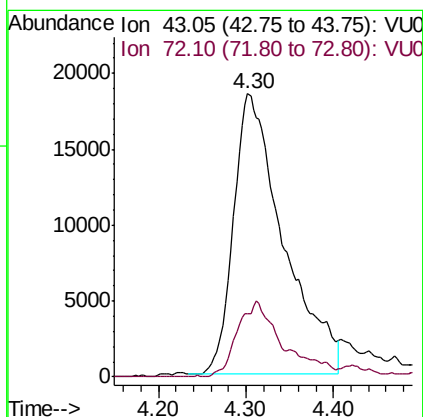
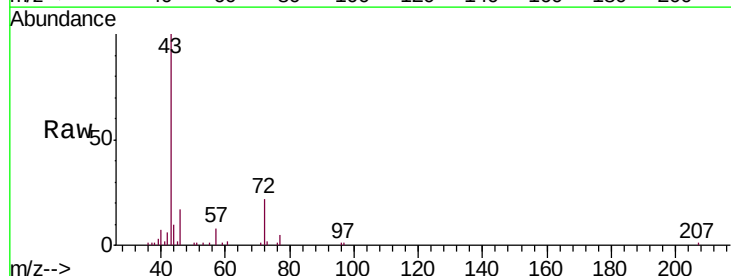
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

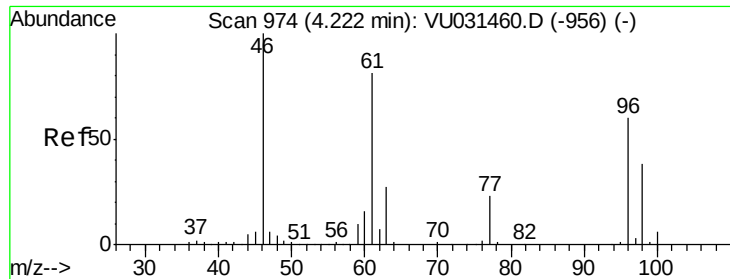
Tgt Ion: 63 Resp: 48834
 Ion Ratio Lower Upper
 63 100
 65 34.3 22.3 41.5
 83 14.7 8.5 15.9



#21
 2-Butanone
 Concen: 7.930 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Tgt Ion: 43 Resp: 73252
 Ion Ratio Lower Upper
 43 100
 72 19.7 11.7 35.0



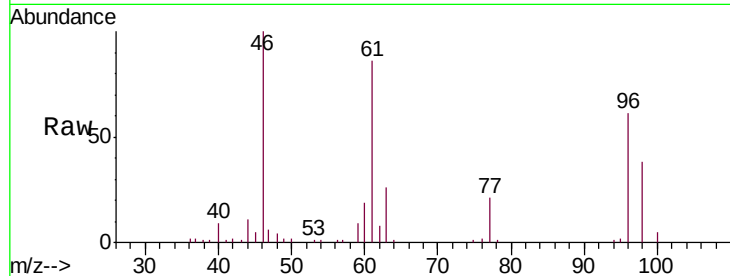


#22

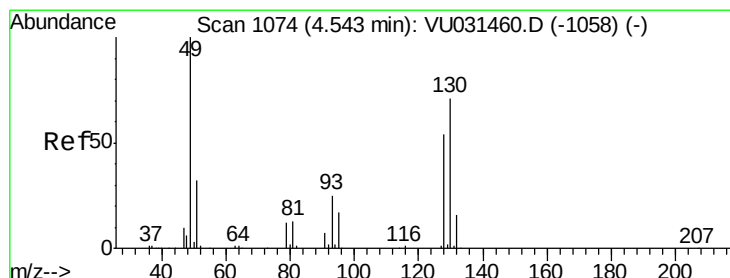
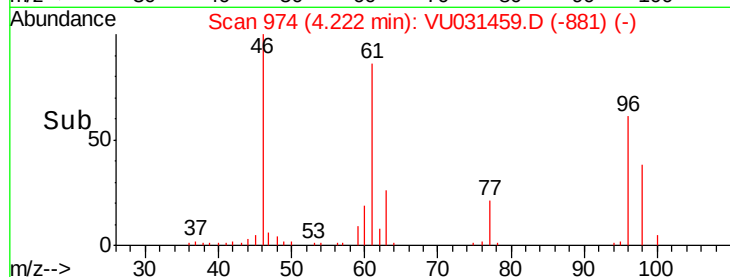
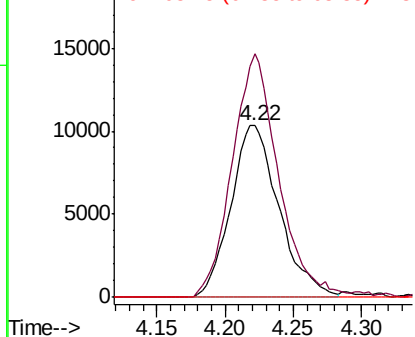
cis-1,2-Dichloroethene
 Concen: 0.786 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion: 96 Resp: 25301
 Ion Ratio Lower Upper
 96 100
 61 141.7 94.8 176.2
 68 0.0 0.0 0.0



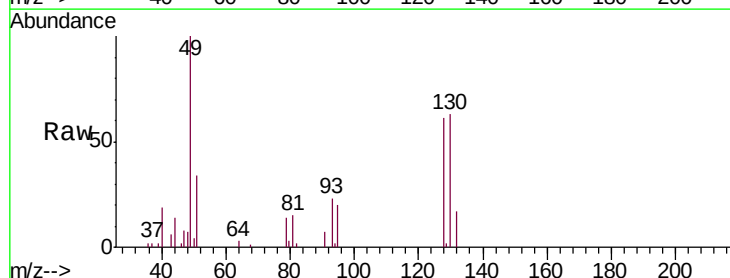
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



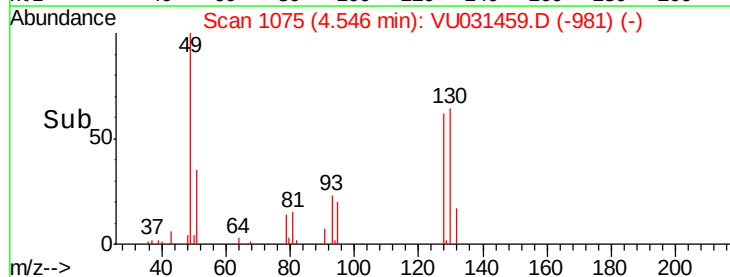
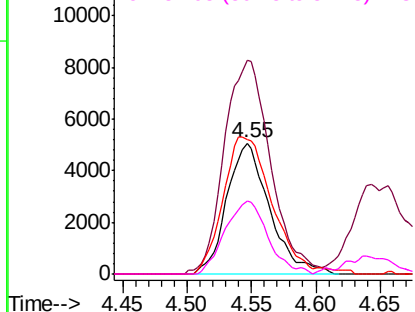
#23

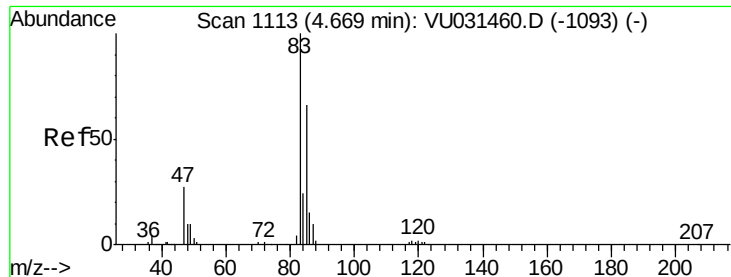
Bromochloromethane
 Concen: 0.819 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Tgt Ion: 128 Resp: 11643
 Ion Ratio Lower Upper
 128 100
 49 163.6 128.9 239.3
 130 103.1 91.2 169.4
 51 55.7 47.4 71.0



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

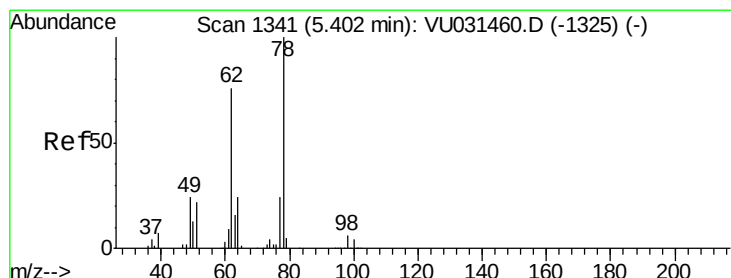
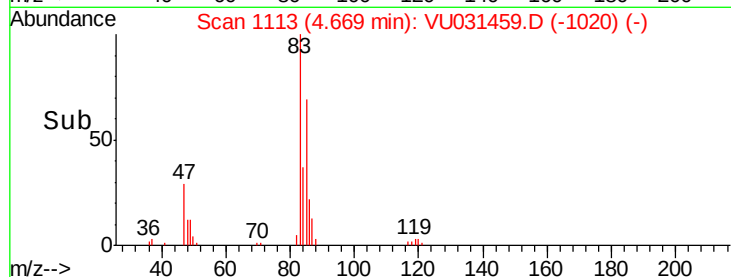
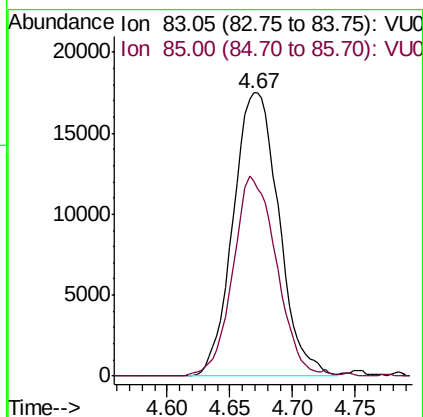
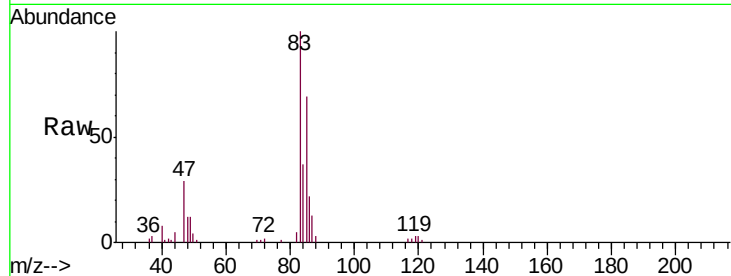




#25
Chloroform
Concen: 0.784 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031459.D
Acq: 24 Apr 2019 10:19

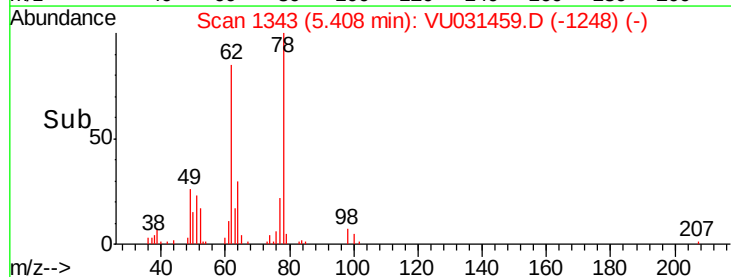
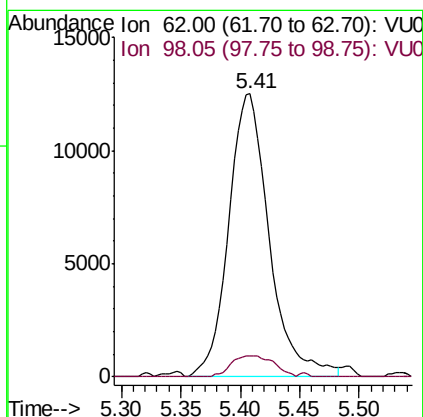
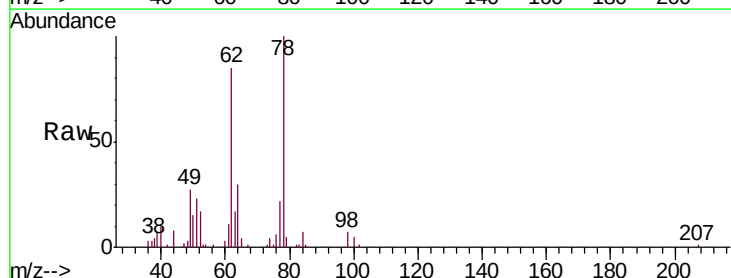
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

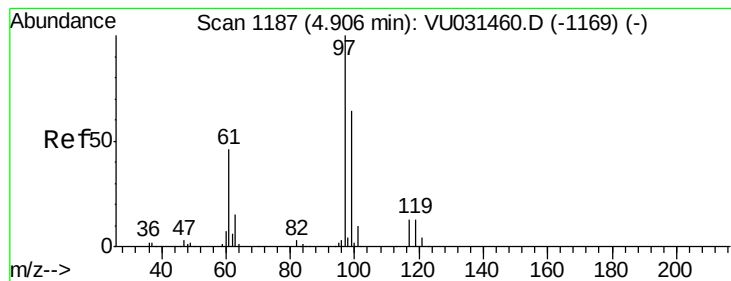
Tgt Ion: 83 Resp: 44390
Ion Ratio Lower Upper
83 100
85 68.9 46.0 85.4



#27
1,2-Dichloroethane
Concen: 0.808 ug/L
RT: 5.41 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VU031459.D
Acq: 24 Apr 2019 10:19

Tgt Ion: 62 Resp: 29602
Ion Ratio Lower Upper
62 100
98 7.6 6.5 9.7





#29

1,1,1-Trichloroethane

Concen: 0.796 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

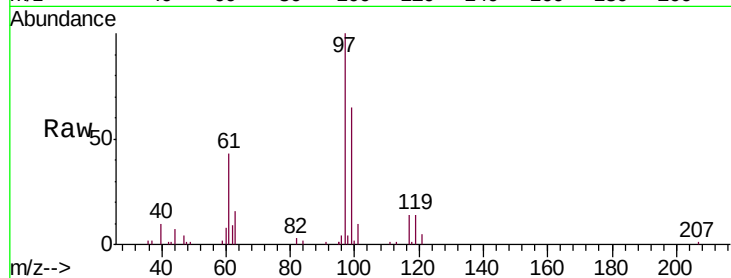
Tgt Ion: 97 Resp: 36591

Ion Ratio Lower Upper

97 100

99 63.5 50.2 75.2

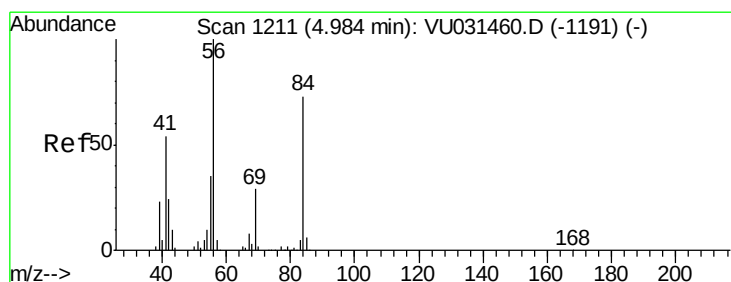
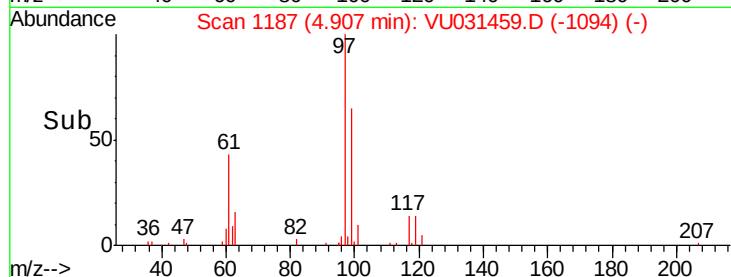
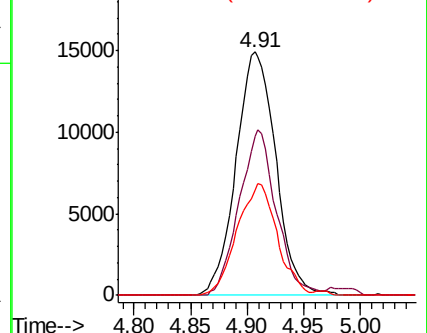
61 46.2 37.0 55.4



Abundance Ion 96.95 (96.65 to 97.65): VU031460.D (-1169) (-)

Ion 99.05 (98.75 to 99.75): VU031460.D (-1169) (-)

Ion 61.05 (60.75 to 61.75): VU031460.D (-1169) (-)



#30

Cyclohexane

Concen: 0.885 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

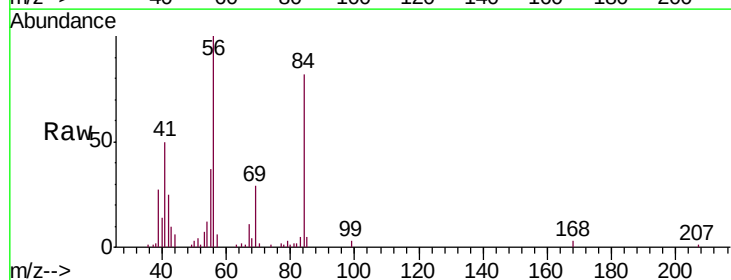
Tgt Ion: 56 Resp: 43180

Ion Ratio Lower Upper

56 100

69 28.9 23.3 34.9

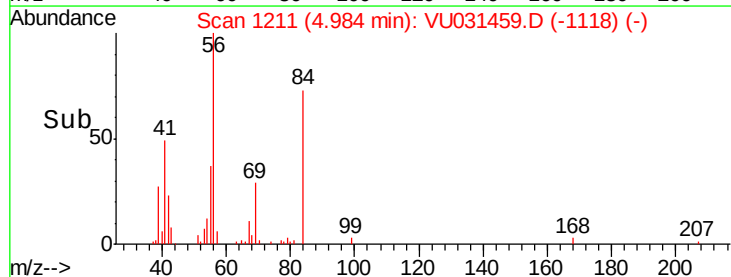
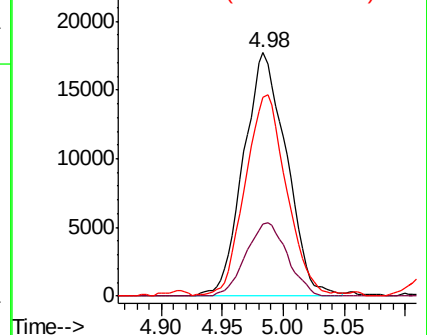
84 80.1 61.0 91.6

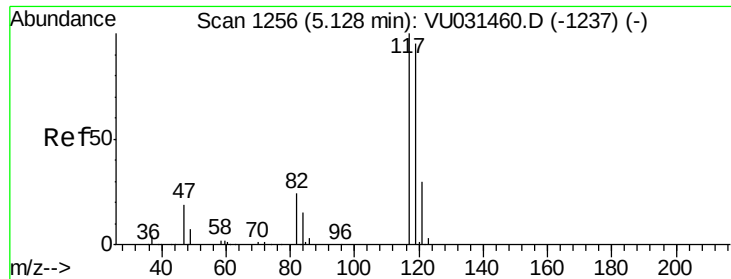


Abundance Ion 56.10 (55.80 to 56.80): VU031460.D (-1191) (-)

Ion 69.15 (68.85 to 69.85): VU031460.D (-1191) (-)

Ion 84.15 (83.85 to 84.85): VU031460.D (-1191) (-)

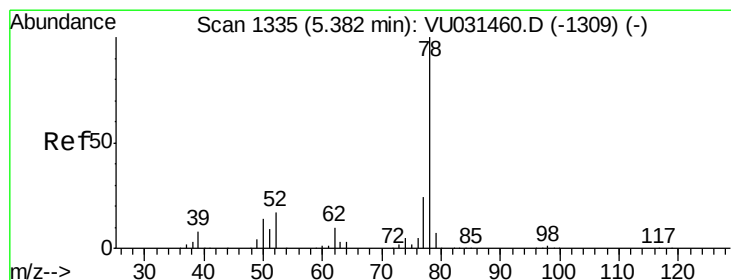
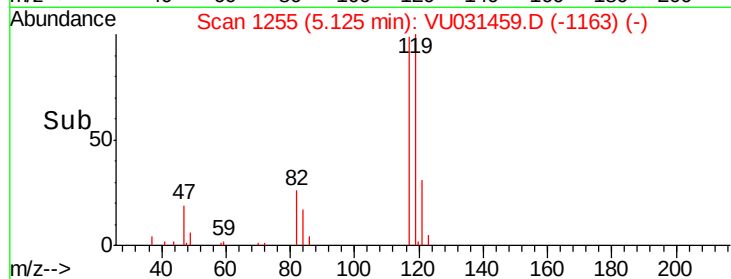
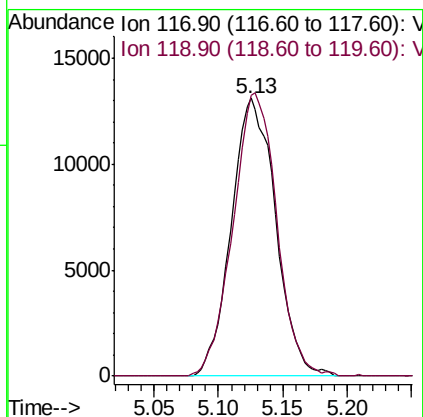
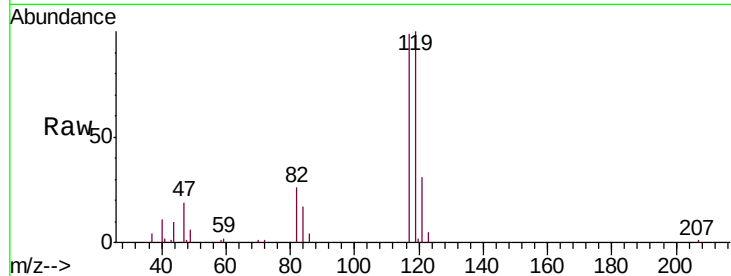




#31
Carbon tetrachloride
Concen: 0.760 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU031459.D
Acq: 24 Apr 2019 10:19

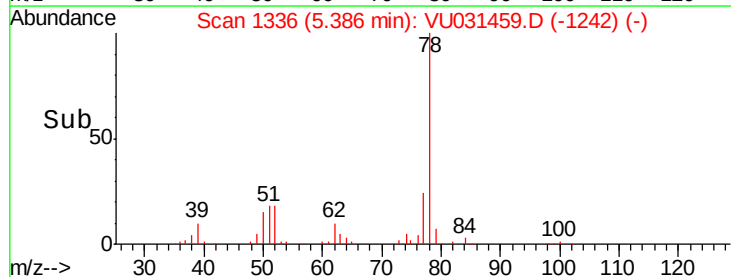
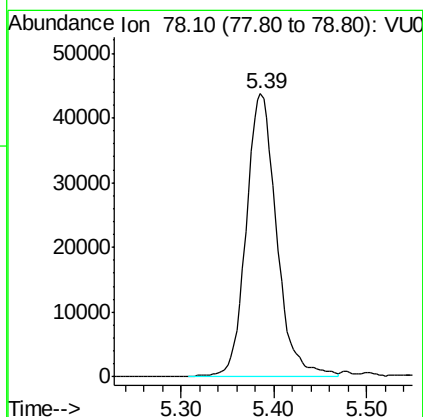
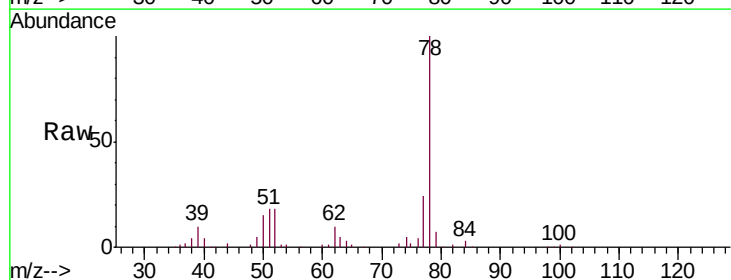
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

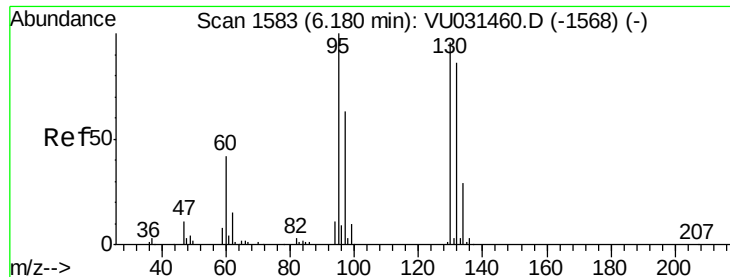
Tgt Ion:117 Resp: 31390
Ion Ratio Lower Upper
117 100
119 100.7 76.0 114.0



#33
Benzene
Concen: 0.851 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031459.D
Acq: 24 Apr 2019 10:19

Tgt Ion: 78 Resp: 99895





#34

Trichloroethene

Concen: 0.820 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

Tgt Ion: 95 Resp: 26202

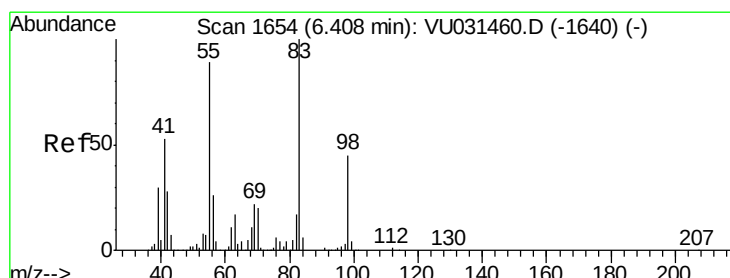
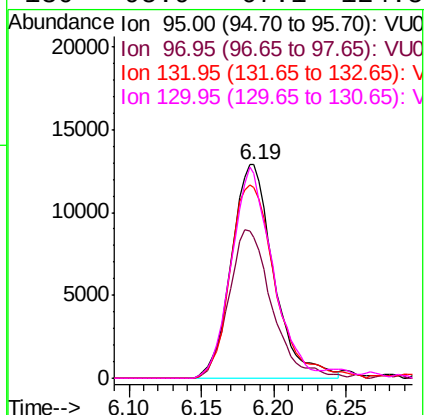
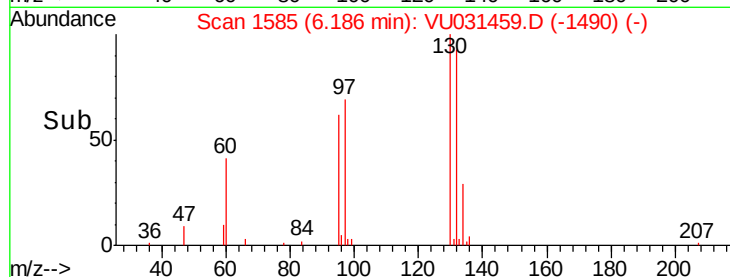
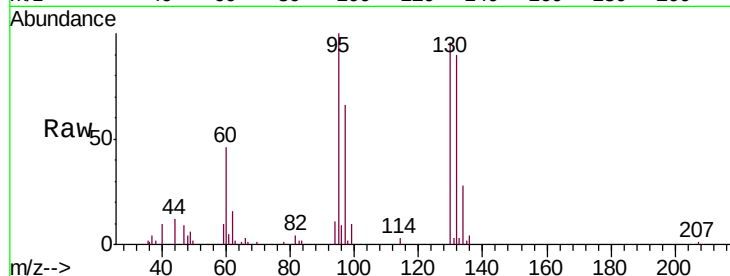
Ion Ratio Lower Upper

95 100

97 65.7 44.3 82.3

132 89.6 59.9 111.3

130 95.9 67.1 124.5



#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

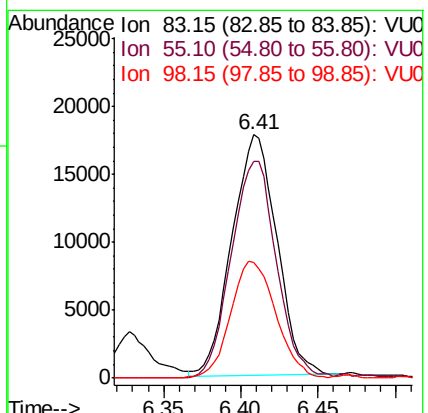
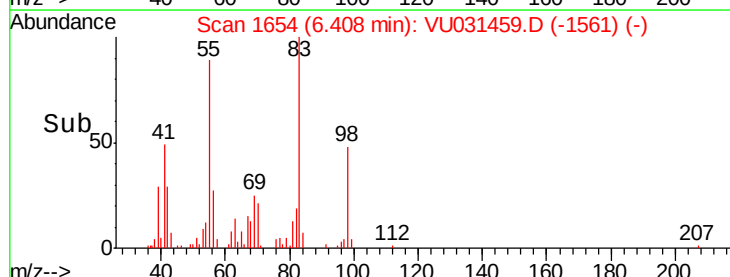
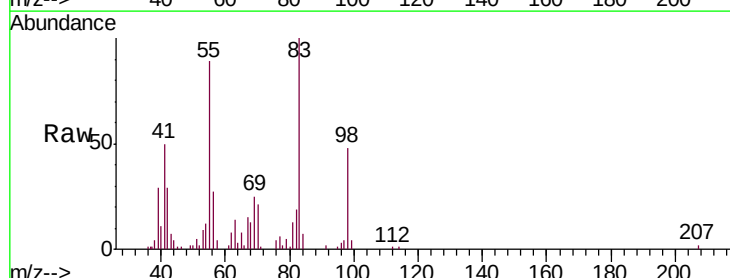
Tgt Ion: 83 Resp: 35771

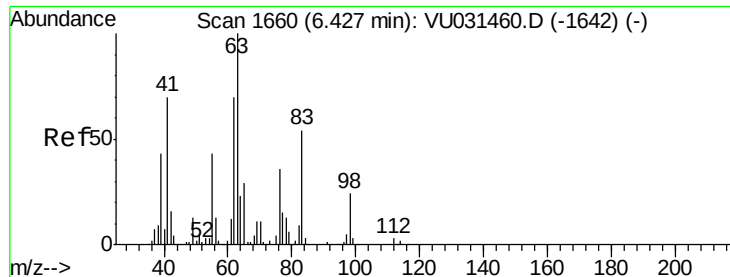
Ion Ratio Lower Upper

83 100

55 90.8 71.1 106.7

98 48.8 36.6 54.8

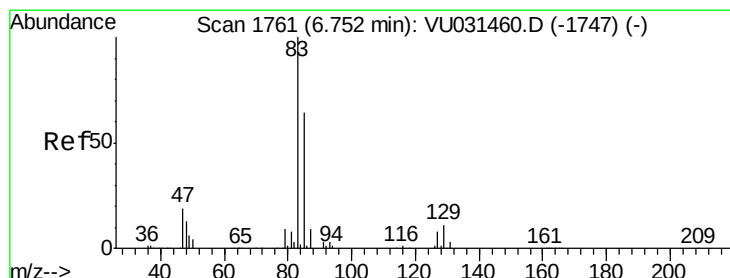
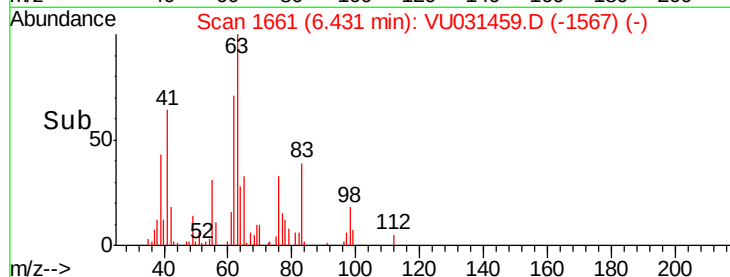
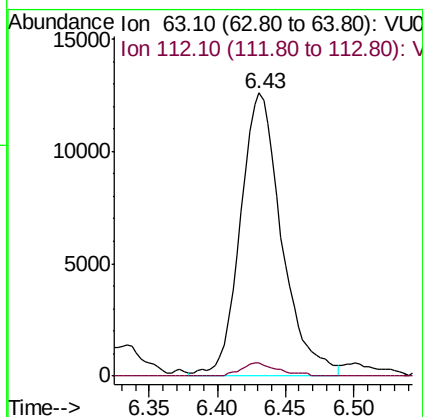
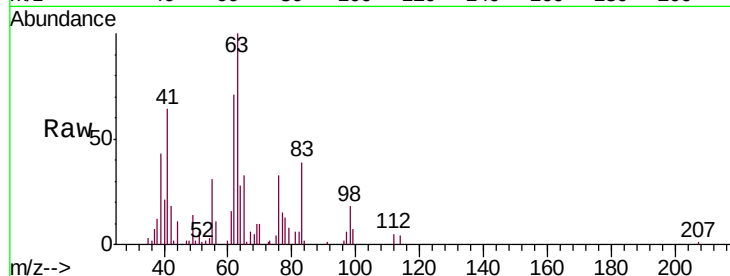




#37
 1,2-Dichloropropane
 Concen: 0.852 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

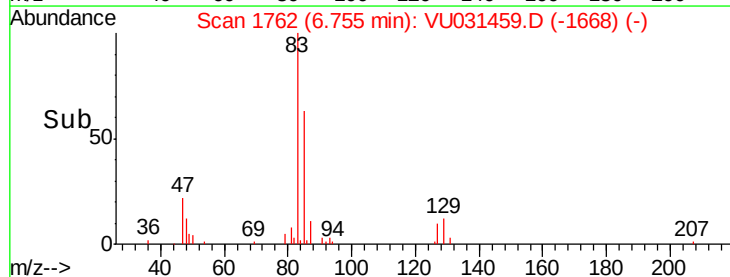
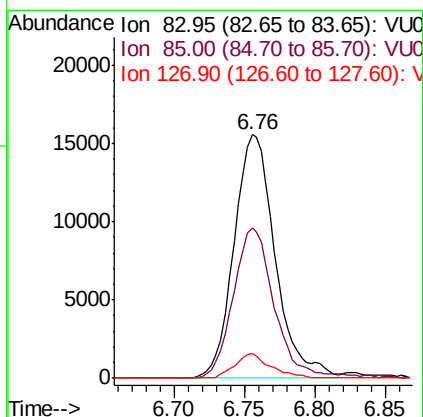
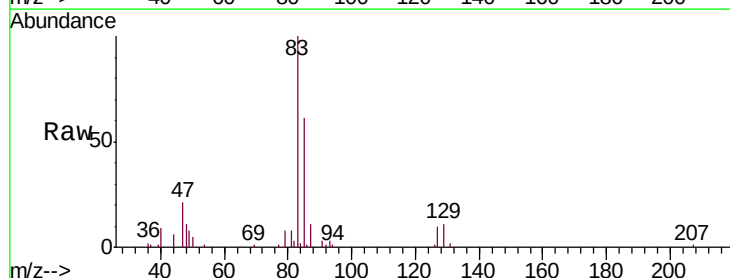
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

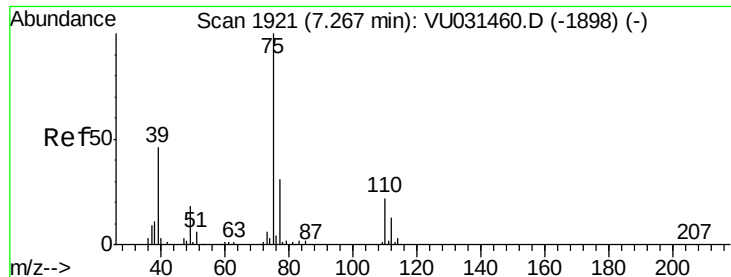
Tgt Ion: 63 Resp: 26582
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.0 4.6



#38
 Bromodichloromethane
 Concen: 0.831 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Tgt Ion: 83 Resp: 31717
 Ion Ratio Lower Upper
 83 100
 85 61.5 44.8 83.2
 127 10.0 6.5 9.7#

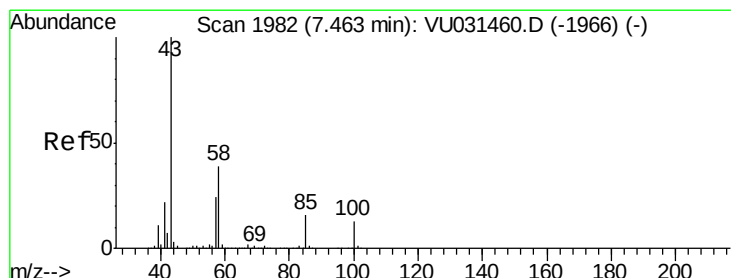
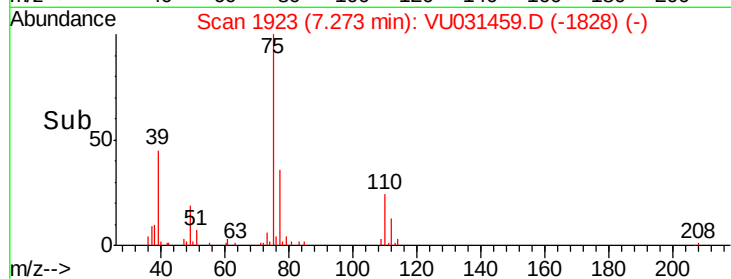
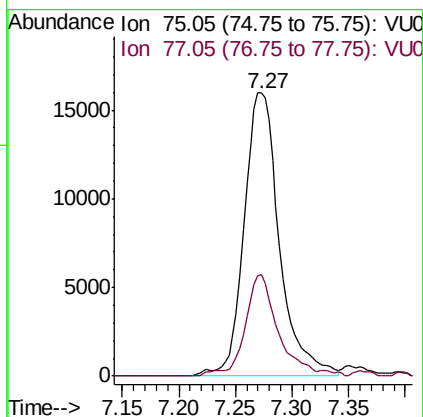
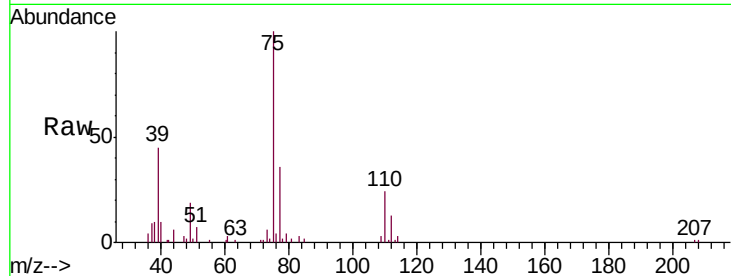




#39
 cis-1,3-Dichloropropene
 Concen: 0.836 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

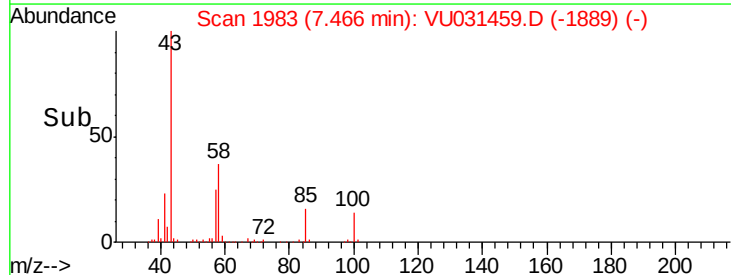
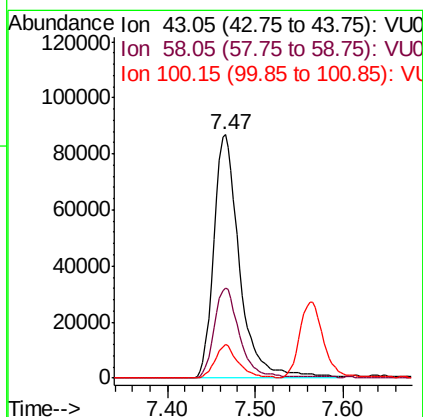
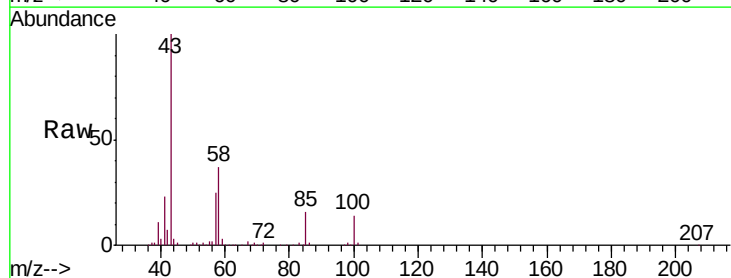
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

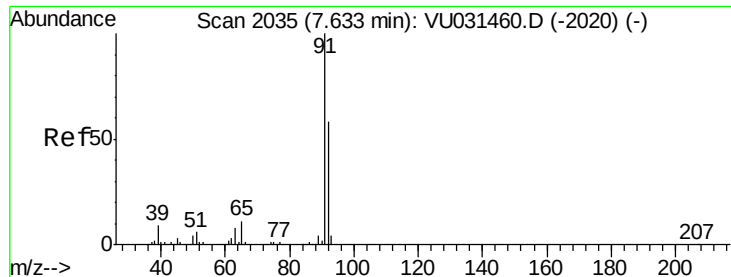
Tgt Ion: 75 Resp: 34793
 Ion Ratio Lower Upper
 75 100
 77 36.1 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 8.798 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Tgt Ion: 43 Resp: 177771
 Ion Ratio Lower Upper
 43 100
 58 36.3 31.6 47.4
 100 12.5 10.6 15.8





#42

Toluene

Concen: 0.833 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

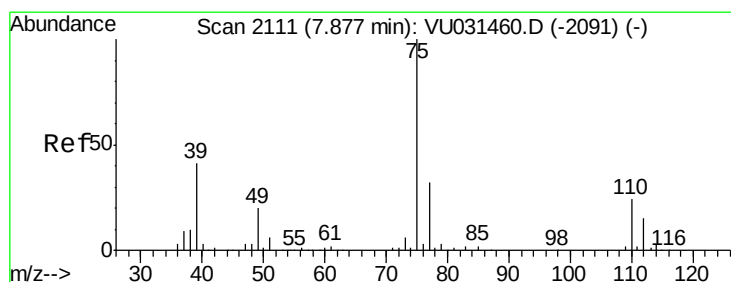
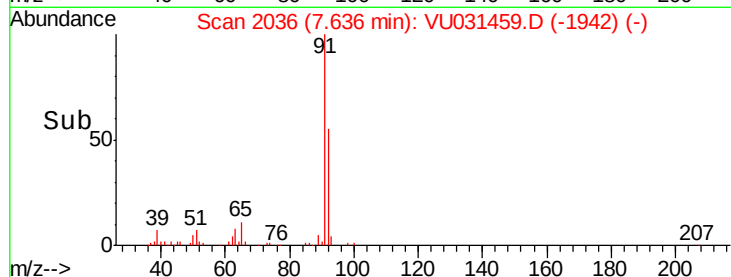
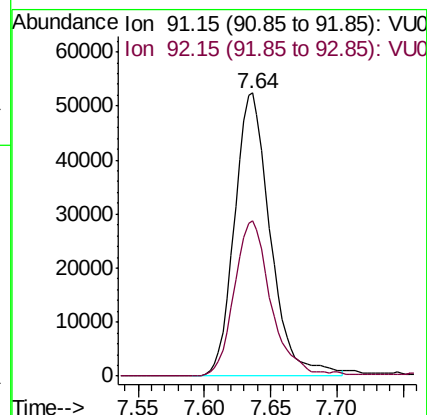
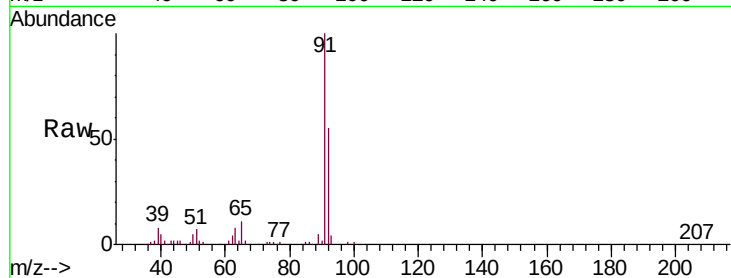
VSTD00105

Tgt Ion: 91 Resp: 98192

Ion Ratio Lower Upper

91 100

92 55.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 0.776 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU031459.D

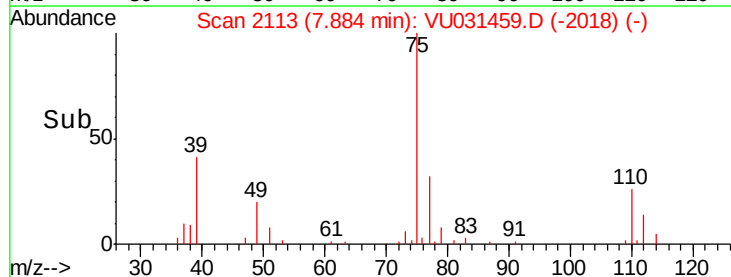
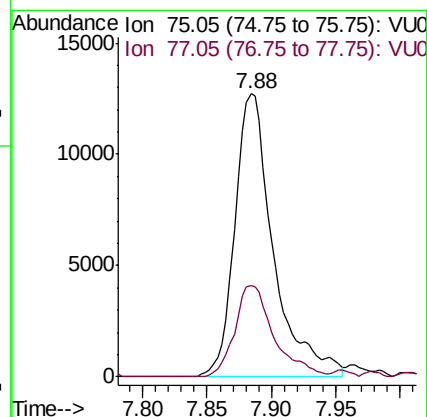
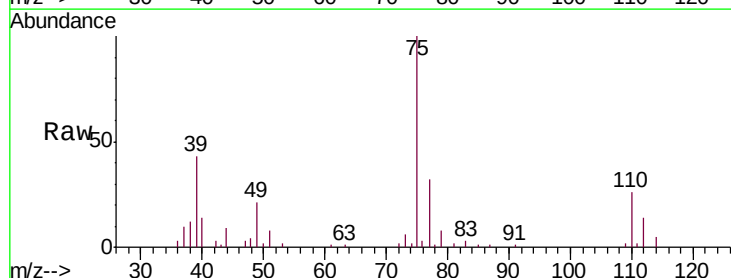
Acq: 24 Apr 2019 10:19

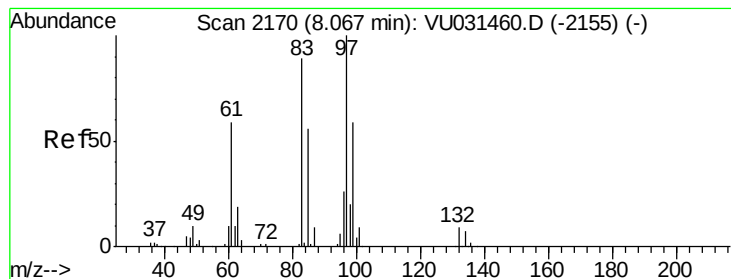
Tgt Ion: 75 Resp: 26512

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 0.842 ug/L

RT: 8.07 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

Tgt Ion: 97 Resp: 18744

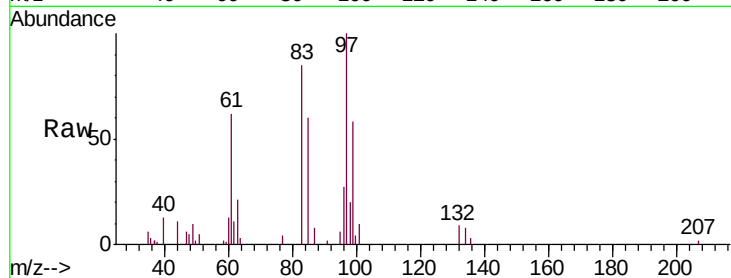
Ion Ratio Lower Upper

97 100

99 58.0 41.2 76.6

83 84.5 62.2 115.4

85 60.2 39.2 72.8

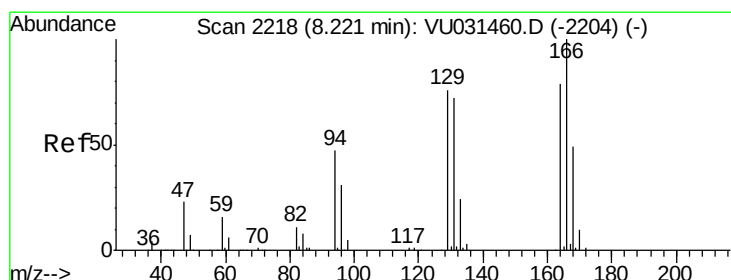
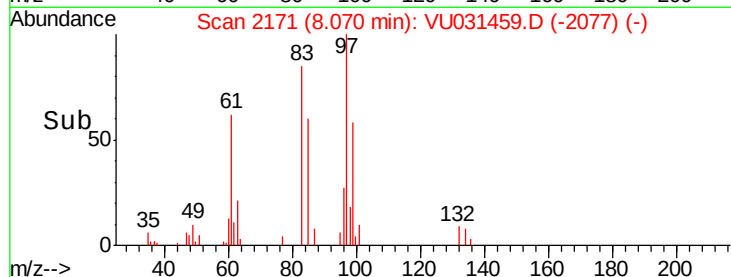
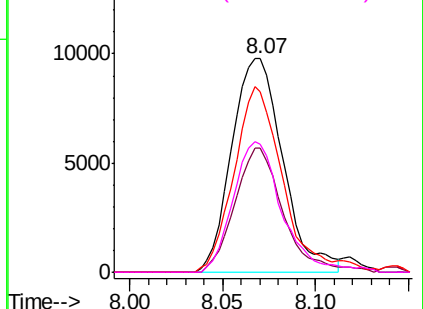


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.764 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Tgt Ion: 164 Resp: 17953

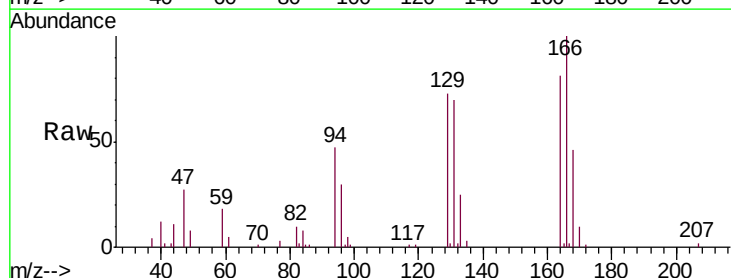
Ion Ratio Lower Upper

164 100

129 89.0 67.5 125.3

131 86.3 64.0 119.0

166 122.7 88.5 164.4

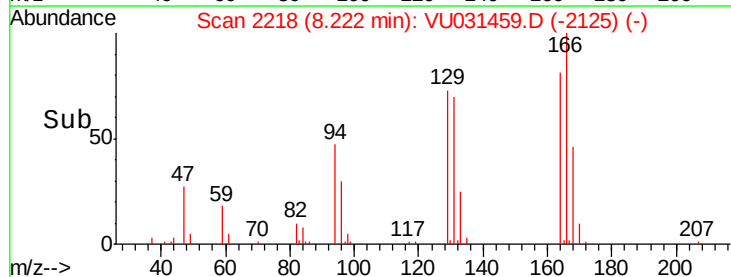
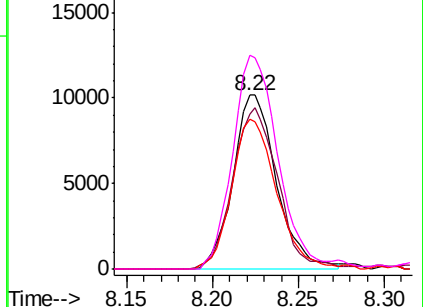


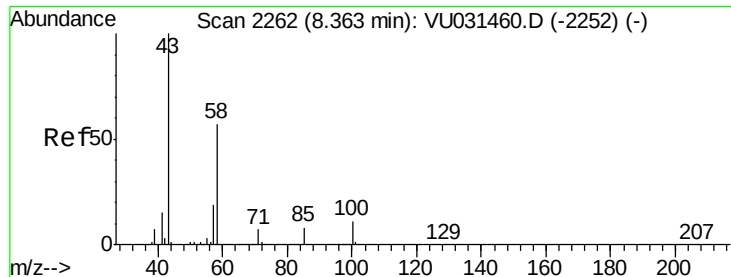
Abundance Ion 163.90 (163.60 to 164.60): V

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

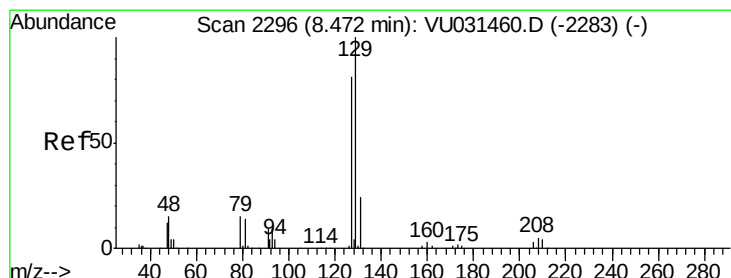
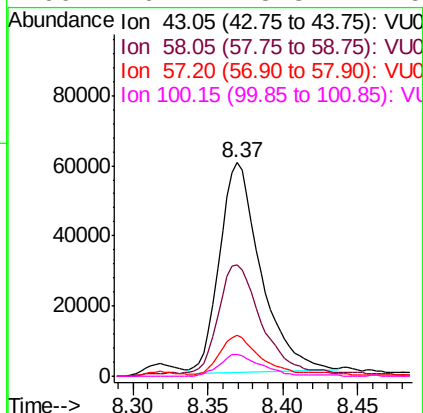
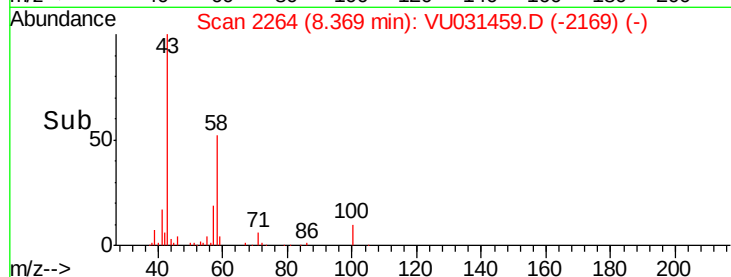
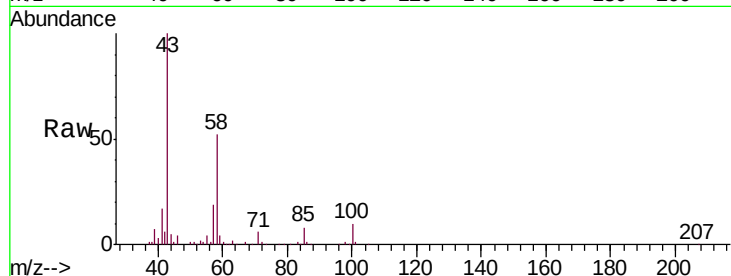




#48
2-Hexanone
Concen: 8.048 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031459.D
Acq: 24 Apr 2019 10:19

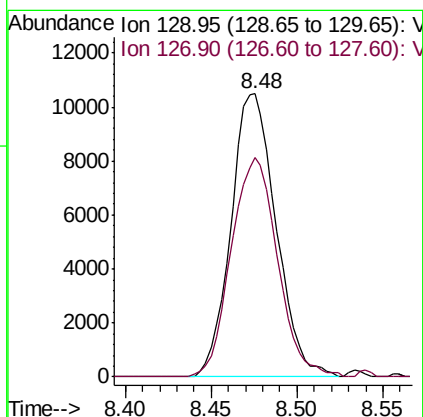
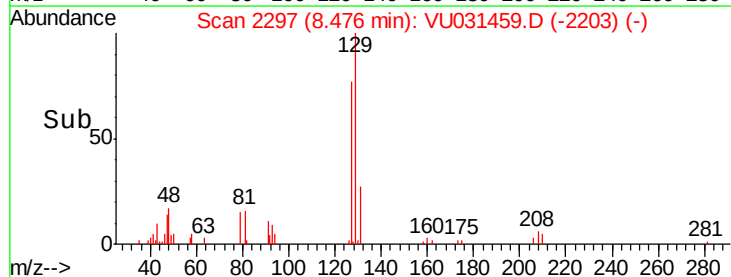
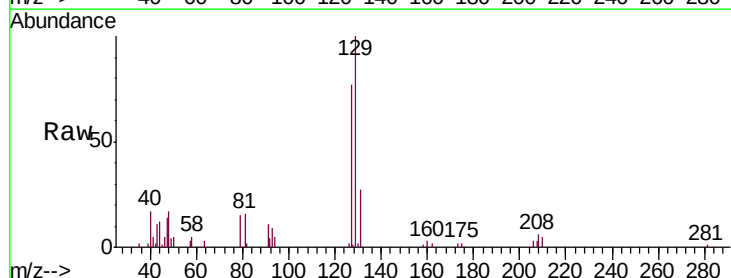
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

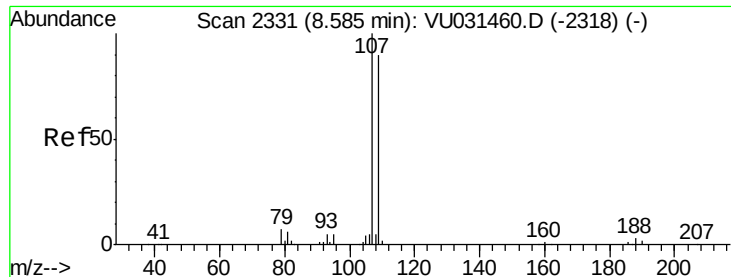
Tgt Ion:	43	Resp:	115095
Ion	Ratio	Lower	Upper
43	100		
58	54.3	44.6	67.0
57	21.0	15.3	22.9
100	10.7	8.3	12.5



#49
Dibromochloromethane
Concen: 0.733 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU031459.D
Acq: 24 Apr 2019 10:19

Tgt Ion:	129	Resp:	19101
Ion	Ratio	Lower	Upper
129	100		
127	77.4	56.6	105.0





#50

1,2-Dibromoethane

Concen: 0.844 ug/L

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

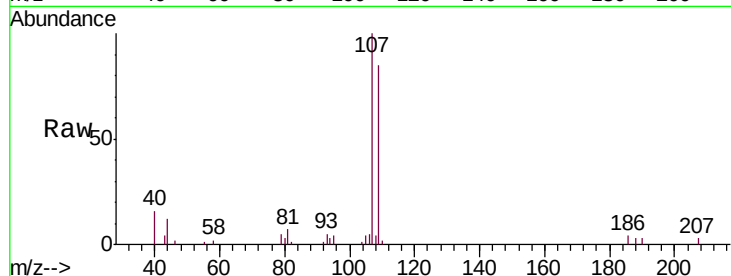
Tgt Ion:107 Resp: 17690

Ion Ratio Lower Upper

107 100

109 85.4 63.1 117.3

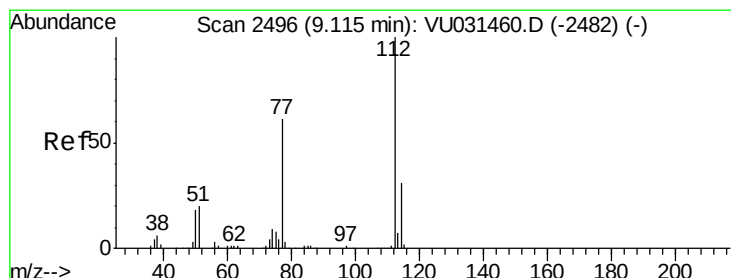
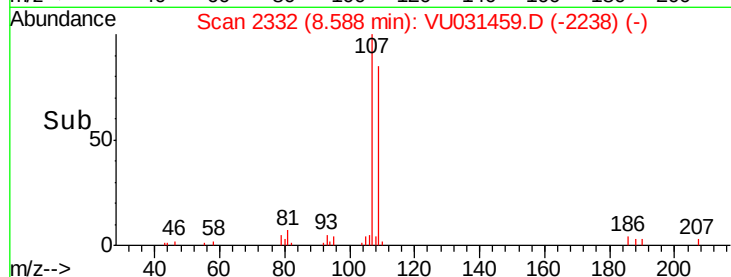
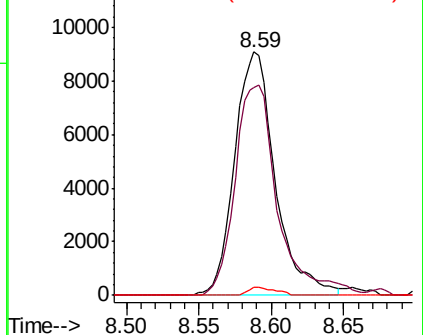
188 3.2 2.2 3.4



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: 0.840 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

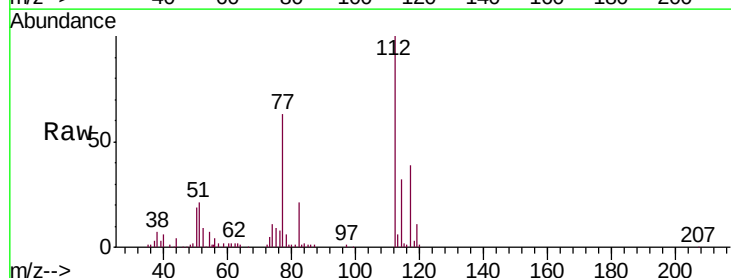
Tgt Ion:112 Resp: 61870

Ion Ratio Lower Upper

112 100

114 31.7 21.9 40.7

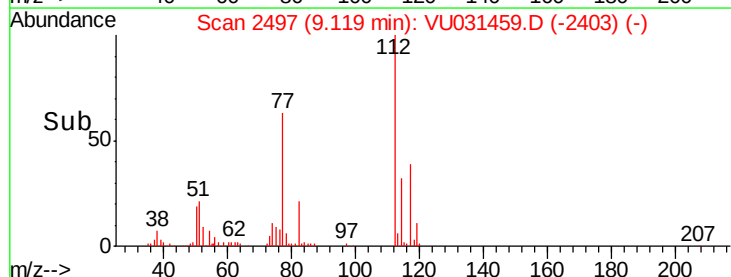
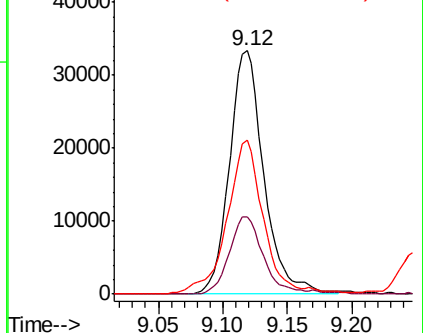
77 63.4 48.9 73.3

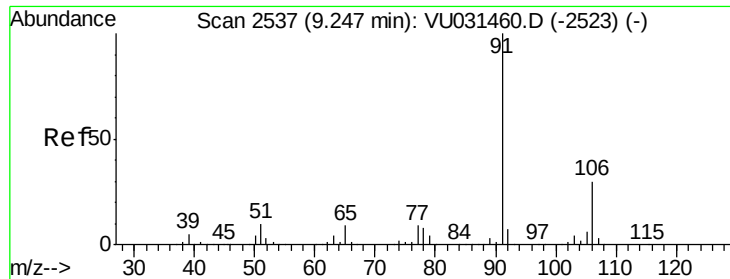


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.813 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

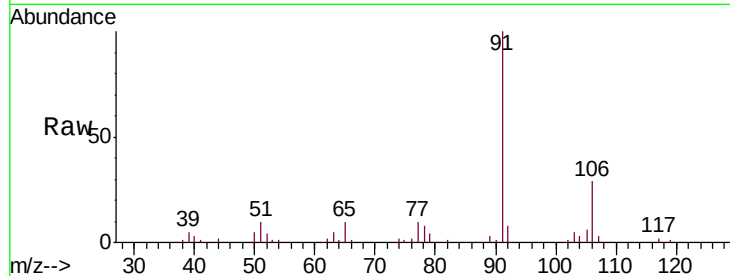
VSTD00105

Tgt Ion: 91 Resp: 100072

Ion Ratio Lower Upper

91 100

106 29.4 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU031460.D (-2523) (-)

Ion 106.15 (105.85 to 106.85): VU031460.D (-2523) (-)

9.25

60000

50000

40000

30000

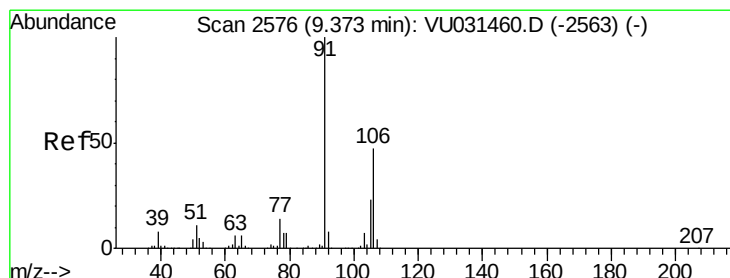
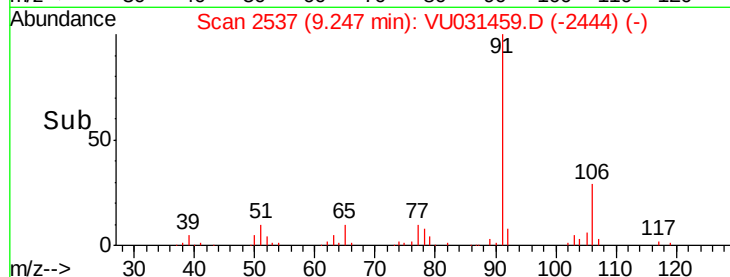
20000

10000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 0.790 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031459.D

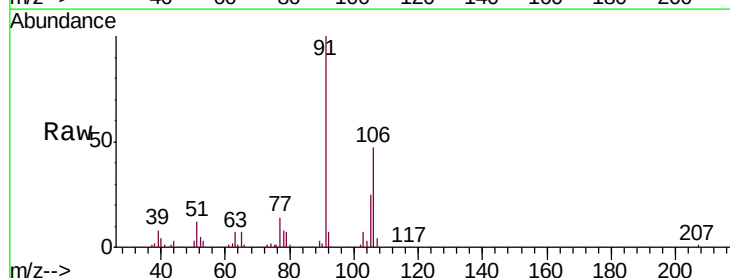
Acq: 24 Apr 2019 10:19

Tgt Ion: 106 Resp: 34816

Ion Ratio Lower Upper

106 100

91 211.1 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VU031460.D (-2563) (-)

Ion 91.15 (90.85 to 91.85): VU031460.D (-2563) (-)

9.37

40000

30000

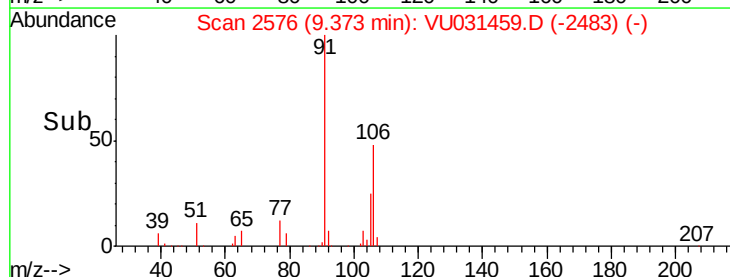
20000

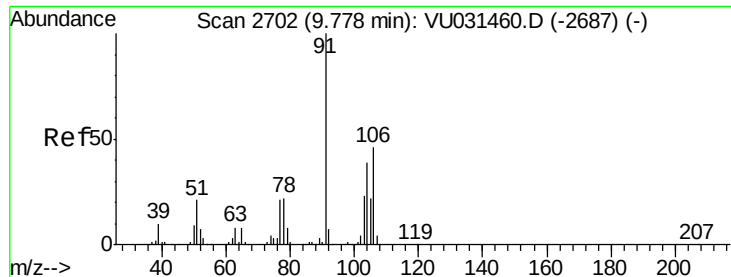
10000

0

9.30 9.35 9.40 9.45

Time-->

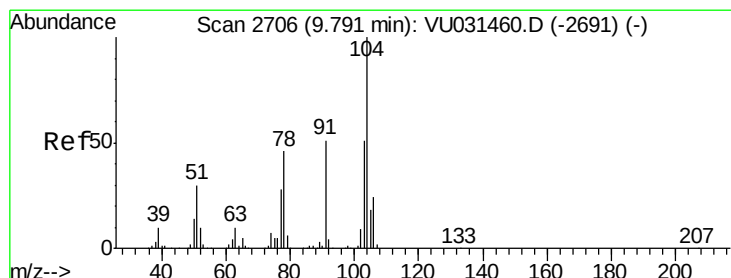
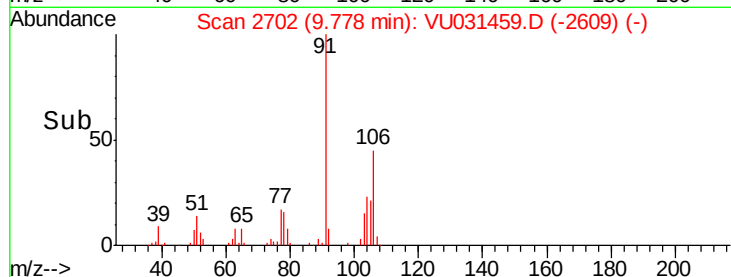
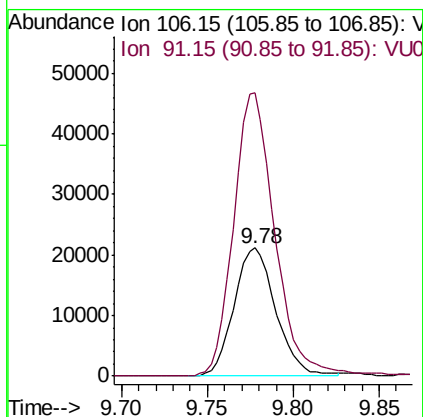
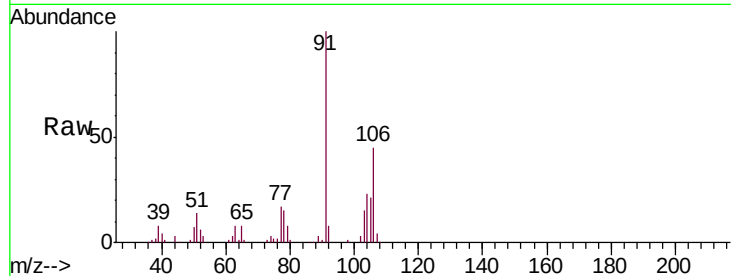




#54
o-Xylene
Concen: 0.821 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031459.D
Acq: 24 Apr 2019 10:19

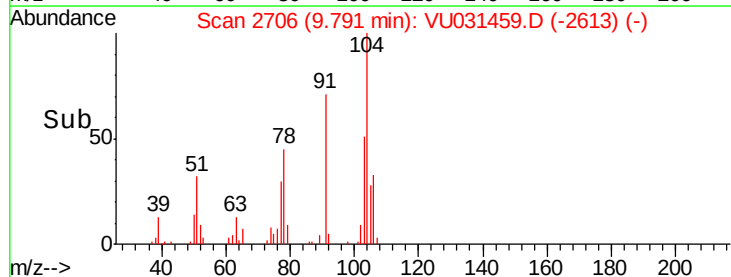
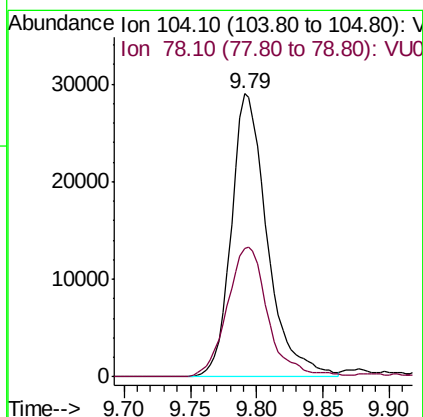
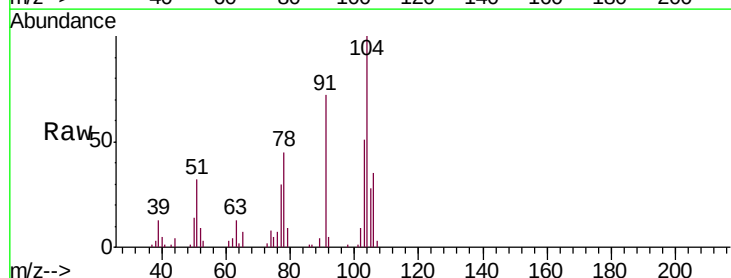
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

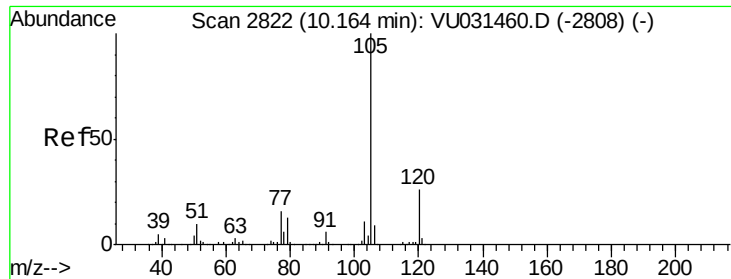
Tgt Ion:106 Resp: 35754
Ion Ratio Lower Upper
106 100
91 221.0 152.7 283.7



#55
Styrene
Concen: 0.757 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031459.D
Acq: 24 Apr 2019 10:19

Tgt Ion:104 Resp: 54728
Ion Ratio Lower Upper
104 100
78 45.4 32.1 59.5





#56

Isopropylbenzene

Concen: 0.800 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

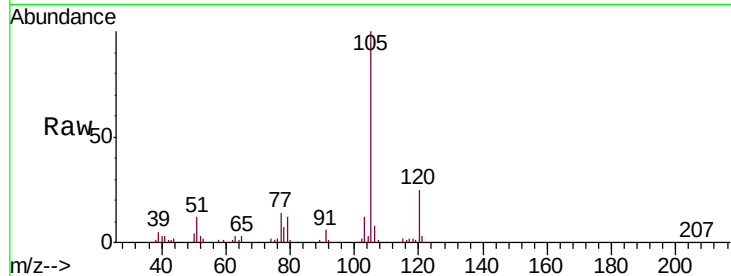
Tgt Ion:105 Resp: 91395

Ion Ratio Lower Upper

105 100

120 24.8 20.8 31.2

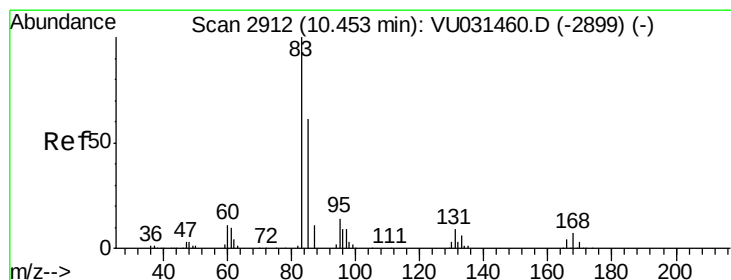
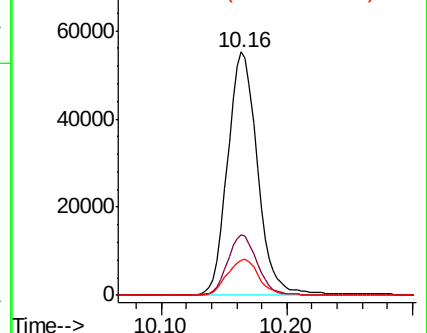
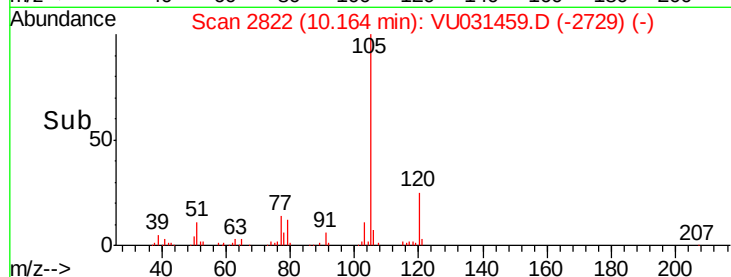
77 15.9 13.2 19.8



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: 0.812 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

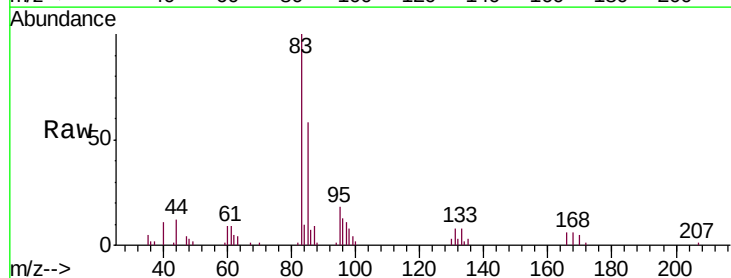
Tgt Ion: 83 Resp: 22942

Ion Ratio Lower Upper

83 100

85 58.4 42.8 79.4

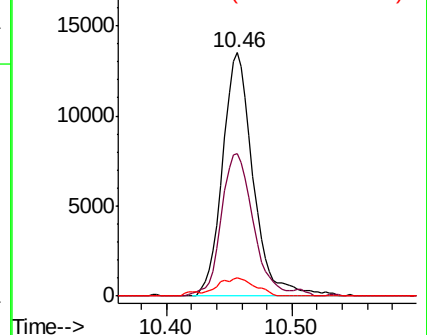
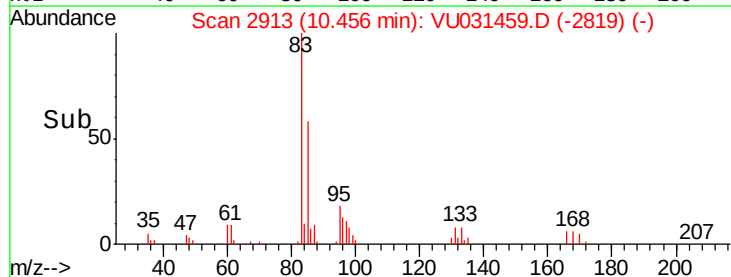
131 7.5 7.0 10.4

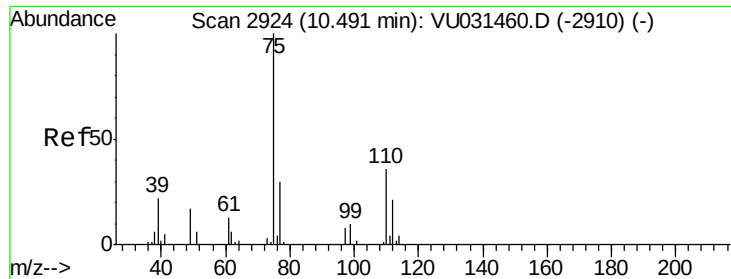


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

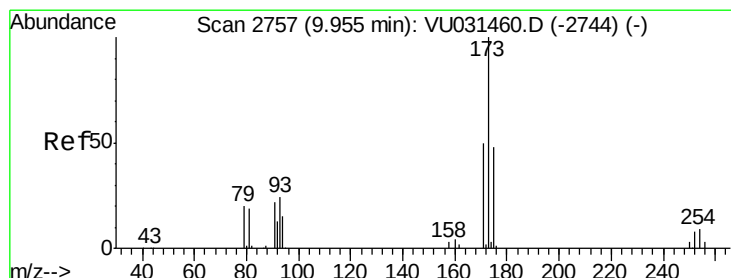
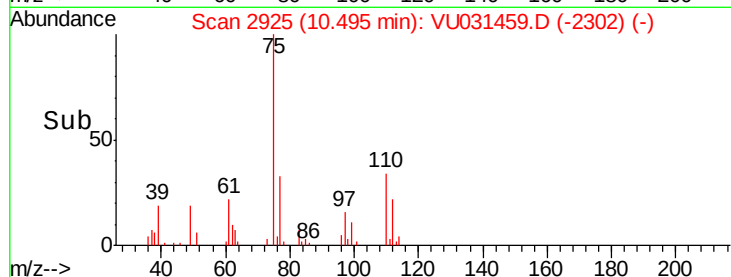
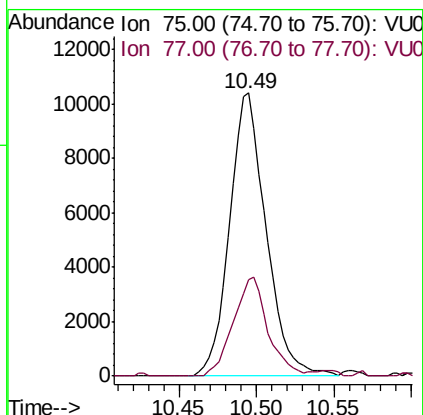
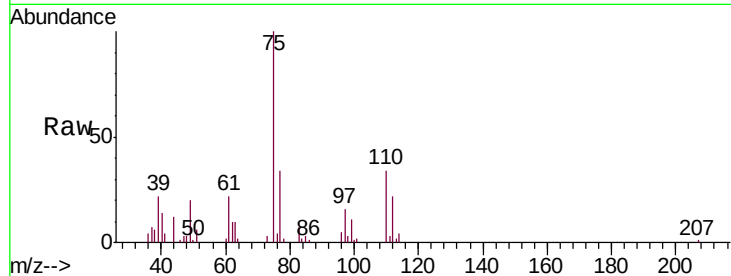




#59
 1,2,3-Trichloropropane
 Concen: 0.837 ug/L
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

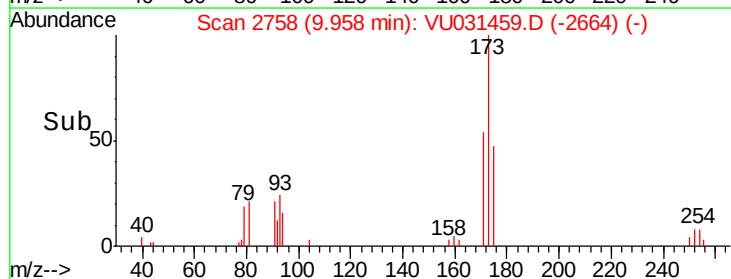
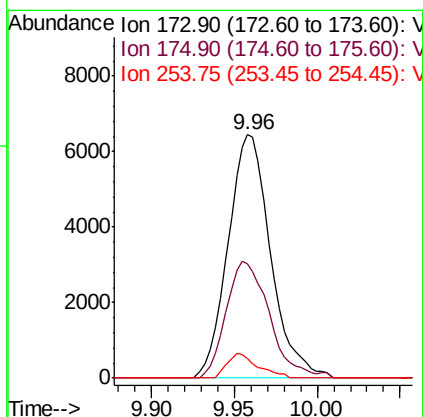
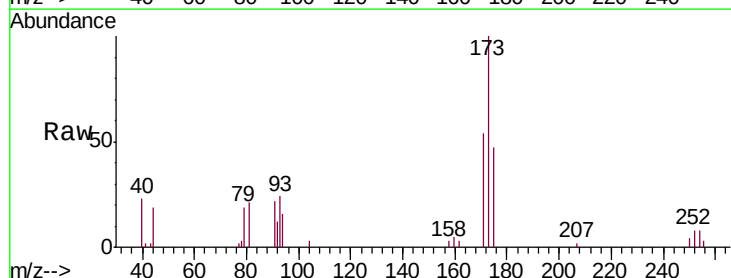
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

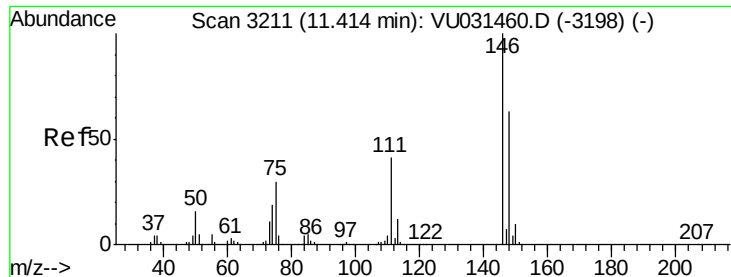
Tgt Ion: 75 Resp: 17006
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5



#61
 Bromoform
 Concen: 0.816 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Tgt Ion: 173 Resp: 11486
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.9 59.9
 254 7.3 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 0.842 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

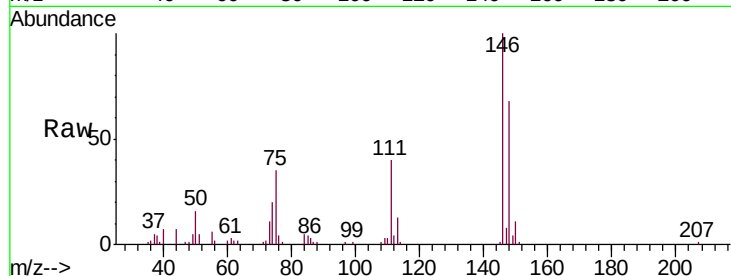
Tgt Ion:146 Resp: 40977

Ion Ratio Lower Upper

146 100

111 40.5 28.5 52.9

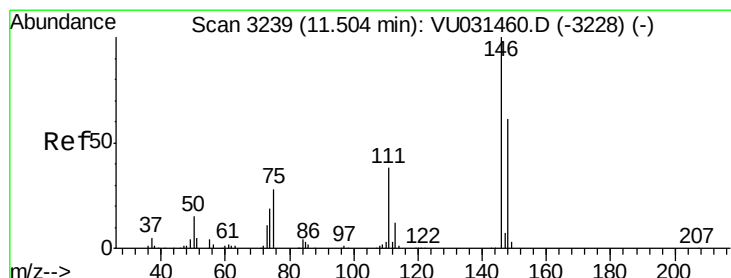
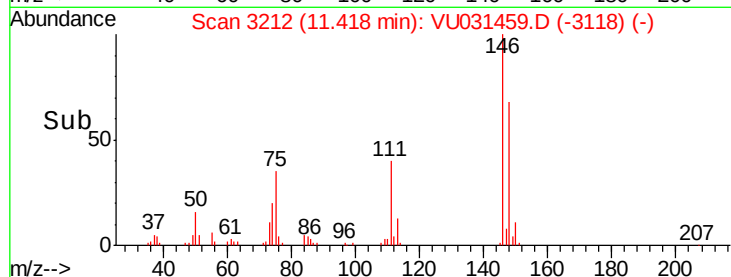
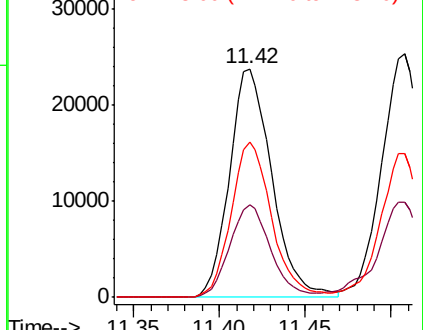
148 67.9 43.8 81.4



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: 0.898 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

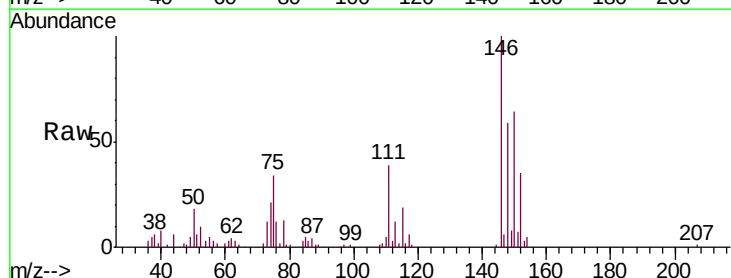
Tgt Ion:146 Resp: 44086

Ion Ratio Lower Upper

146 100

111 39.0 26.7 49.5

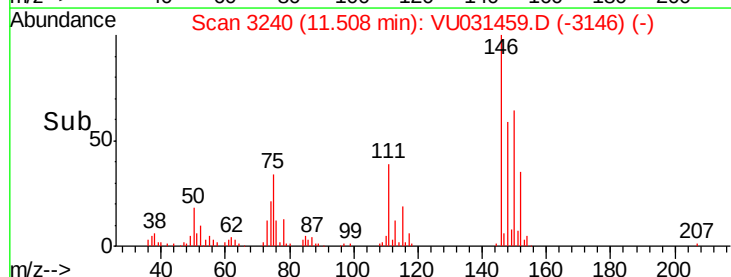
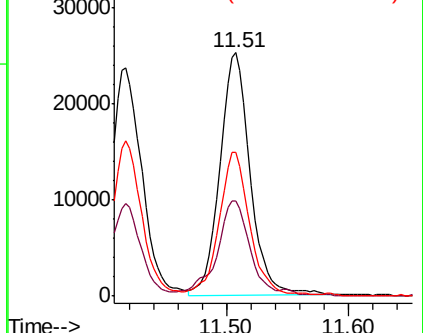
148 59.2 43.3 80.3

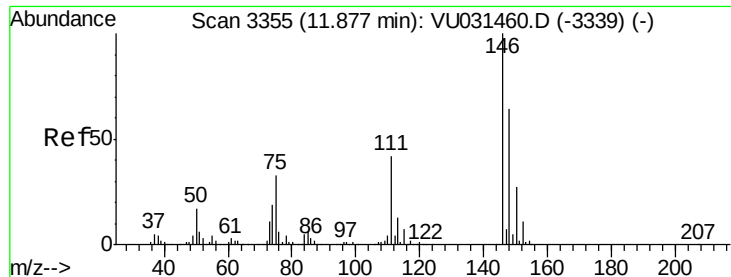


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.849 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

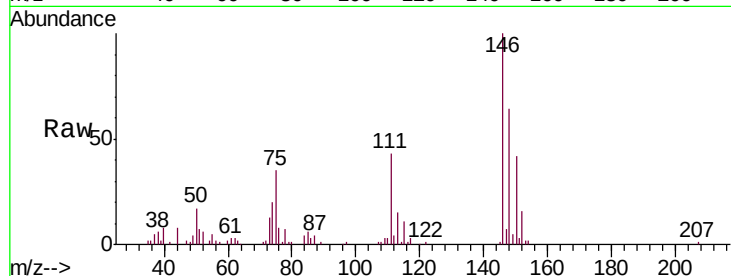
Tgt Ion:146 Resp: 41638

Ion Ratio Lower Upper

146 100

111 42.9 34.0 51.0

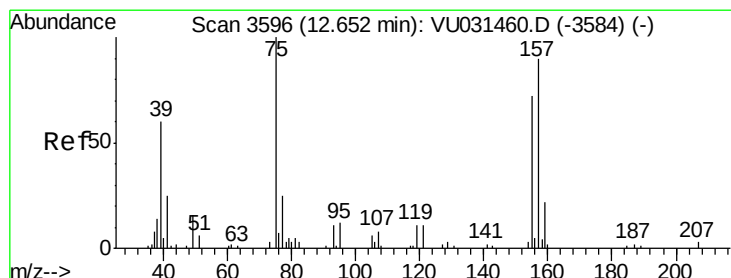
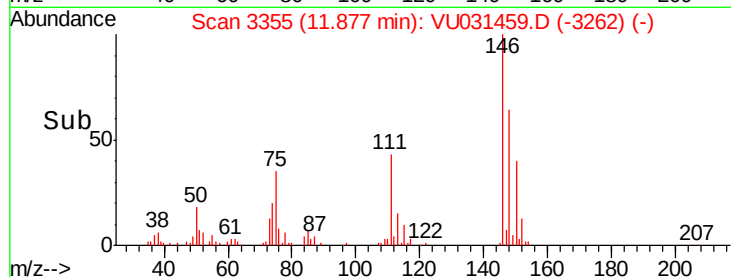
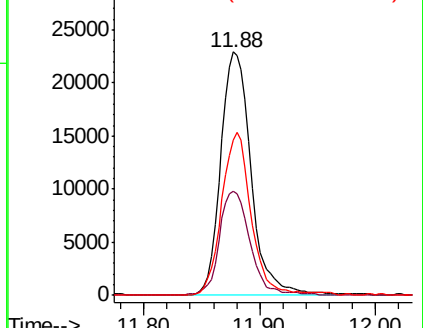
148 63.6 50.9 76.3



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: 0.794 ug/L

RT: 12.66 min Scan# 3599

Delta R.T. 0.01 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

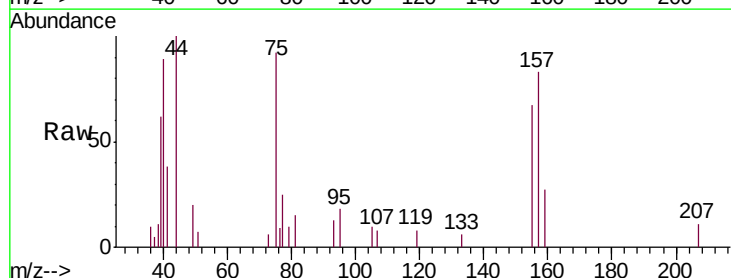
Tgt Ion: 75 Resp: 3189

Ion Ratio Lower Upper

75 100

155 73.1 57.2 85.8

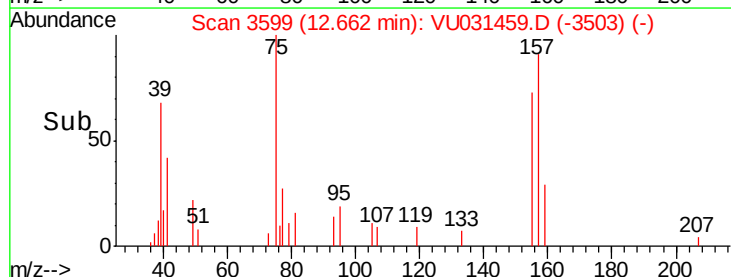
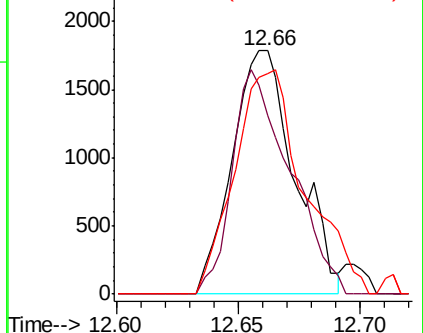
157 90.6 71.9 107.9

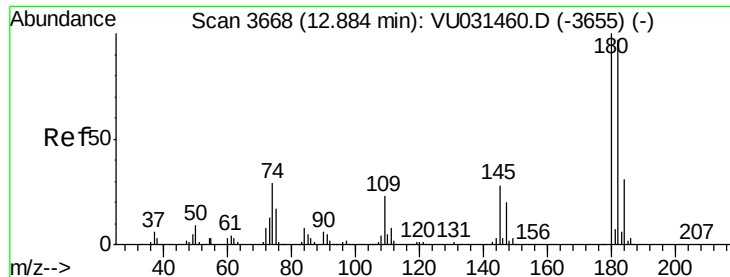


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

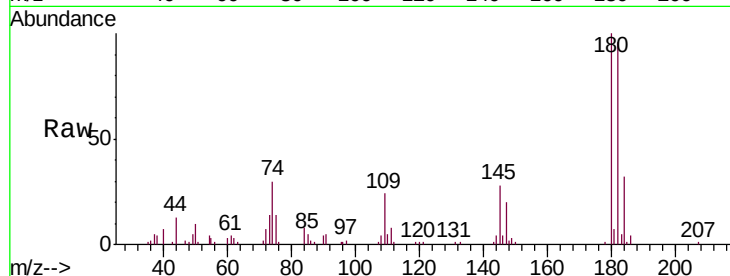




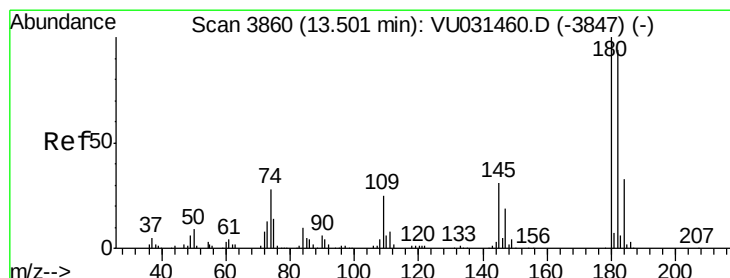
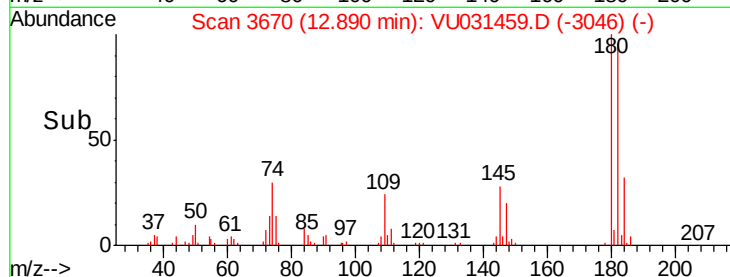
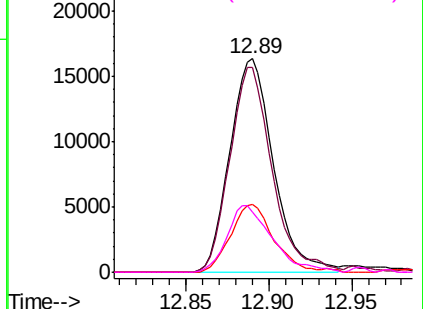
#67
 1,3,5-Trichlorobenzene
 Concen: 0.752 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion:180 Resp: 29844
 Ion Ratio Lower Upper
 180 100
 182 93.5 77.8 116.6
 184 31.9 24.6 36.8
 145 32.5 23.8 35.8

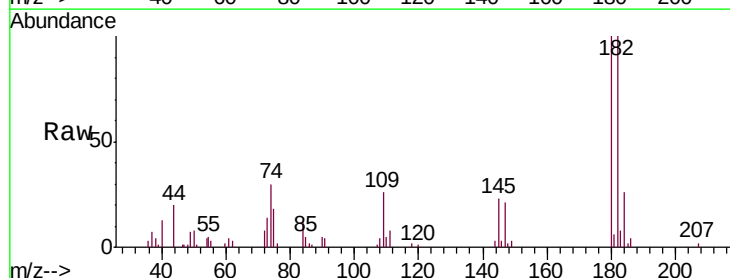


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

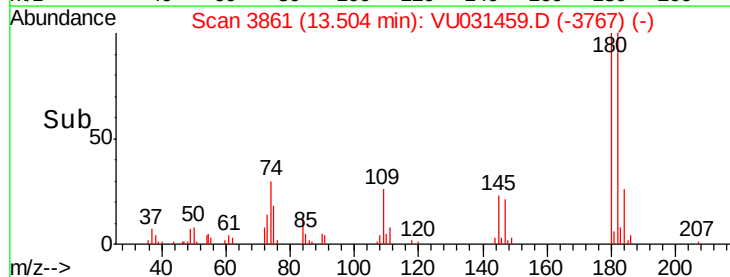
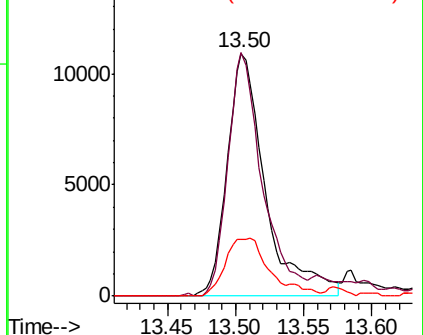


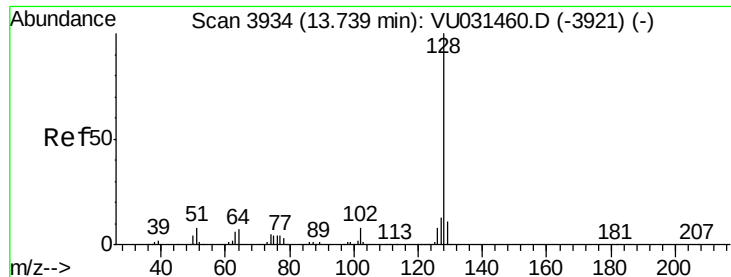
#68
 1,2,4-trichlorobenzene
 Concen: 0.743 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU031459.D
 Acq: 24 Apr 2019 10:19

Tgt Ion:180 Resp: 21273
 Ion Ratio Lower Upper
 180 100
 182 90.3 76.9 115.3
 145 27.6 24.2 36.4



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: 0.607 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

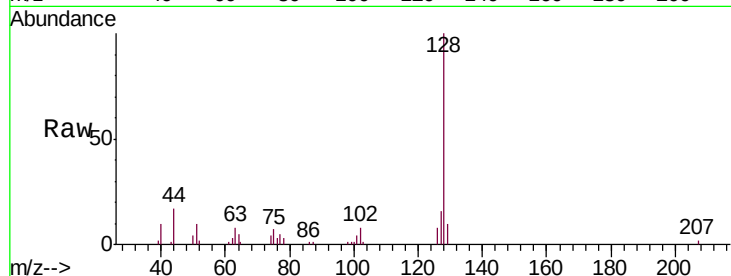
Tgt Ion:128 Resp: 35169

Ion Ratio Lower Upper

128 100

129 10.8 8.0 12.0

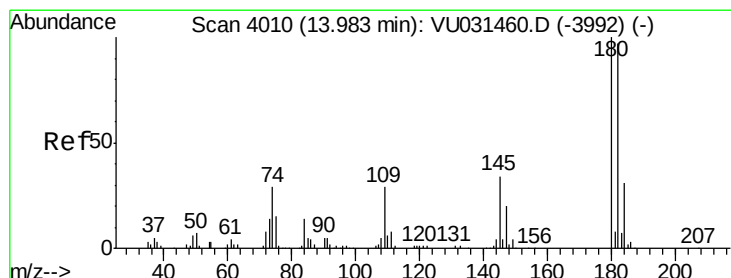
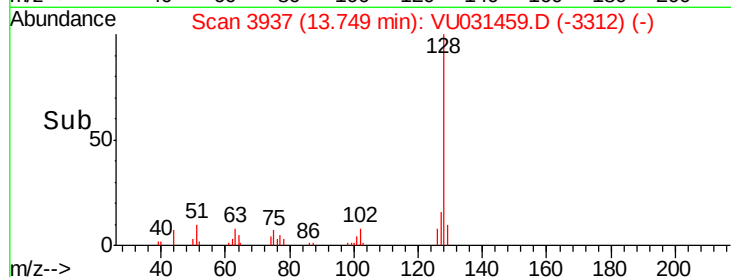
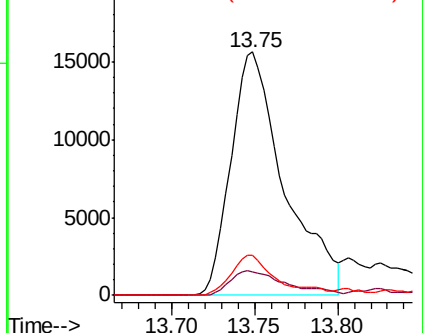
127 13.8 10.5 15.7



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: 0.770 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU031459.D

Acq: 24 Apr 2019 10:19

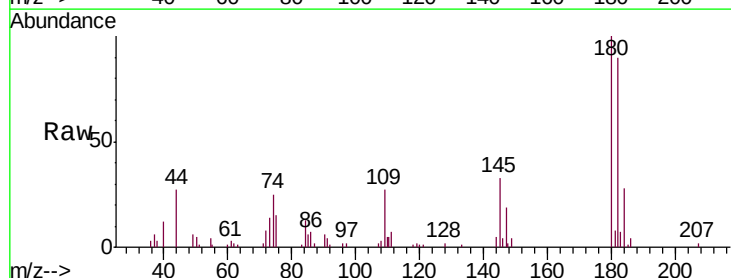
Tgt Ion:180 Resp: 21992

Ion Ratio Lower Upper

180 100

182 93.7 76.4 114.6

145 32.0 25.8 38.6



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

