

Data File : VU031458.D
Acq On : 24 Apr 2019 09:55
Operator : JC/SP
Sample : VSTD0.504
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Quant Time: Apr 25 05:49:36 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	379482	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	352102	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152378	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	15059	0.37	ug/L	0.00
7) Chloroethane-d5	1.68	69	10952	0.35	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	29011	0.37	ug/L	0.00
20) 2-Butanone-d5	4.23	46	35659	4.33	ug/L	0.02
24) Chloroform-d	4.65	84	22915	0.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	12744	0.45	ug/L	0.00
32) Benzene-d6	5.34	84	46465	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	14858	0.48	ug/L	0.00
41) Toluene-d8	7.57	98	39466	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	5466	0.45	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	23505	4.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	11849	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	13375	0.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	17428	0.421 ug/L	97
3) Chloromethane	1.32	50	21624	0.386 ug/L	97
5) Vinyl chloride	1.40	62	20164	0.357 ug/L	99
6) Bromomethane	1.63	94	10652	0.345 ug/L	94
8) Chloroethane	1.70	64	11296	0.349 ug/L	95
9) Trichlorofluoromethane	1.88	101	24195	0.342 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	14400	0.375 ug/L	92
12) 1,1-Dichloroethene	2.28	96	14146	0.369 ug/L	87
13) Acetone	2.36	43	28930	3.381 ug/L	70
14) Carbon disulfide	2.47	76	45101	0.353 ug/L	96
15) Methyl Acetate	2.62	43	3691	0.155 ug/L #	20
16) Methylene chloride	2.70	84	16568	0.354 ug/L	93
17) Methyl tert-butyl Ether	3.00	73	38605	0.371 ug/L #	94
18) trans-1,2-Dichloroethene	2.97	96	14236	0.350 ug/L	89
19) 1,1-Dichloroethane	3.44	63	27281	0.477 ug/L	98
21) 2-Butanone	4.31	43	32474	3.443 ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	14955	0.455 ug/L	95
23) Bromochloromethane	4.55	128	5892	0.406 ug/L	86
25) Chloroform	4.67	83	25167	0.435 ug/L	92
27) 1,2-Dichloroethane	5.41	62	16686	0.446 ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	20571	0.444 ug/L	96
30) Cyclohexane	4.99	56	23706	0.483 ug/L	98
31) Carbon tetrachloride	5.13	117	17570	0.423 ug/L	94
33) Benzene	5.39	78	55521	0.470 ug/L	100
34) Trichloroethene	6.18	95	15592	0.485 ug/L	97
35) Methylcyclohexane	6.41	83	20548	0.459 ug/L	98
37) 1,2-Dichloropropane	6.43	63	14907	0.475 ug/L #	93
38) Bromodichloromethane	6.76	83	17070	0.444 ug/L #	99
39) cis-1,3-Dichloropropene	7.27	75	19695	0.470 ug/L	93
40) 4-Methyl-2-pentanone	7.47	43	97220	4.781 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	52999	0.447	ug/L	91
44) trans-1,3-Dichloropropene	7.89	75	14754	0.429	ug/L	88
45) 1,1,2-Trichloroethane	8.07	97	9385	0.419	ug/L	87
47) Tetrachloroethene	8.22	164	10091	0.427	ug/L	98
48) 2-Hexanone	8.37	43	66278	4.605	ug/L #	92
49) Dibromochloromethane	8.48	129	11648	0.444	ug/L	75
50) 1,2-Dibromoethane	8.59	107	9098	0.431	ug/L	94
51) Chlorobenzene	9.12	112	32139	0.433	ug/L	94
52) Ethylbenzene	9.25	91	57078	0.461	ug/L	93
53) m,p-Xylene	9.38	106	19115	0.431	ug/L	97
54) o-Xylene	9.78	106	18285	0.417	ug/L	95
55) Styrene	9.79	104	28335	0.389	ug/L	95
56) Isopropylbenzene	10.16	105	49171	0.428	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	12526	0.440	ug/L #	98
59) 1,2,3-Trichloropropane	10.49	75	9184	0.449	ug/L	97
61) Bromoform	9.96	173	5751	0.400	ug/L #	99
62) 1,3-Dichlorobenzene	11.42	146	22335	0.449	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	24398	0.487	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	22511	0.450	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	1915	0.467	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.89	180	16809	0.415	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	12338	0.422	ug/L	95
69) Naphthalene	13.75	128	26100	0.441	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.99	180	12565	0.431	ug/L	99

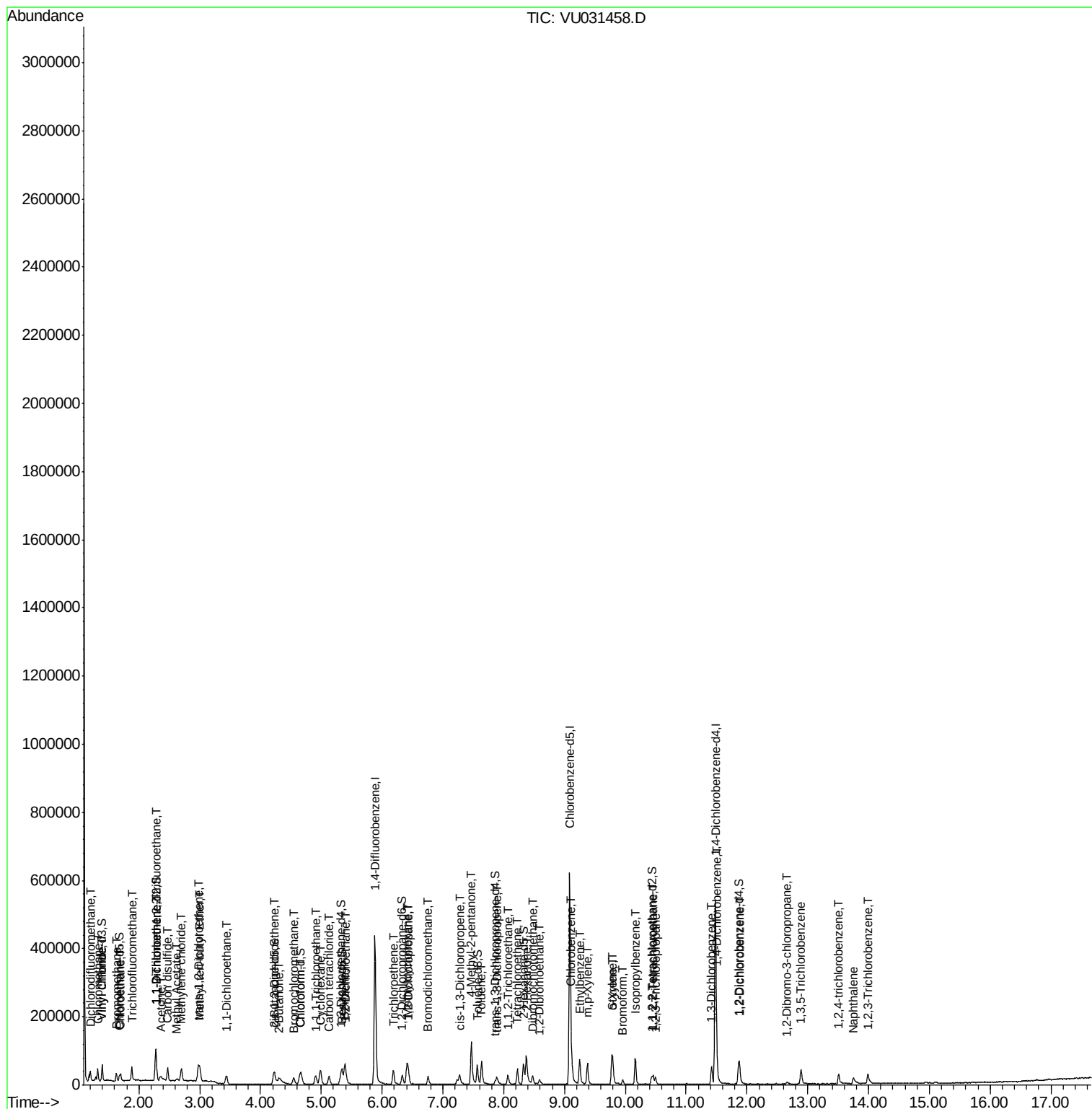
(#) = qualifier out of range (m) = manual integration (+) = signals summed

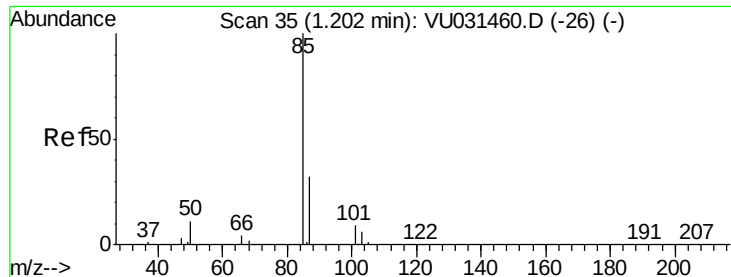
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#2

Dichlorodifluoromethane

Concen: 0.421 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

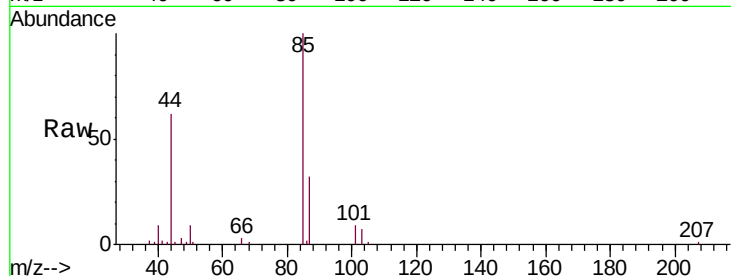
VSTD0.504

Tgt Ion: 85 Resp: 17428

Ion Ratio Lower Upper

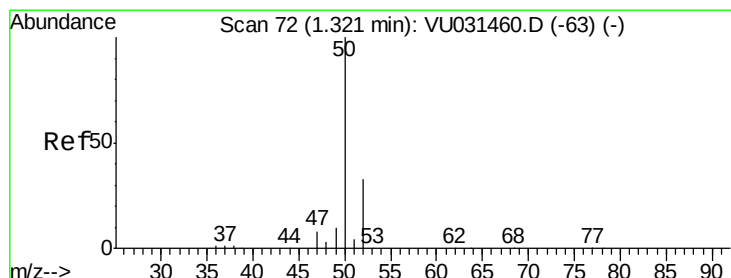
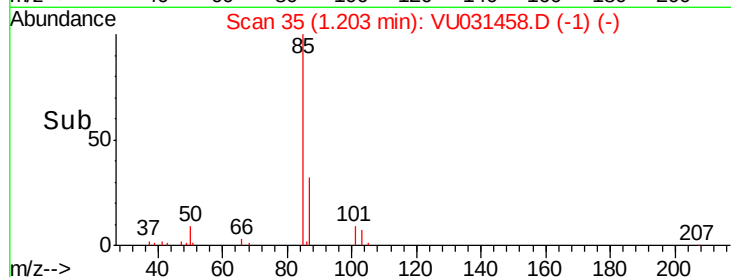
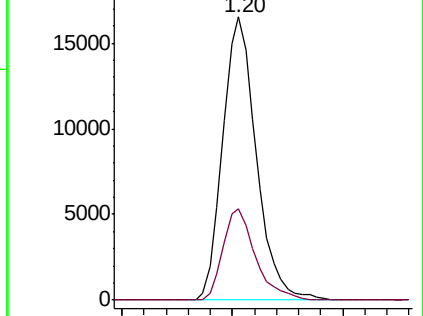
85 100

87 31.1 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: 0.386 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031458.D

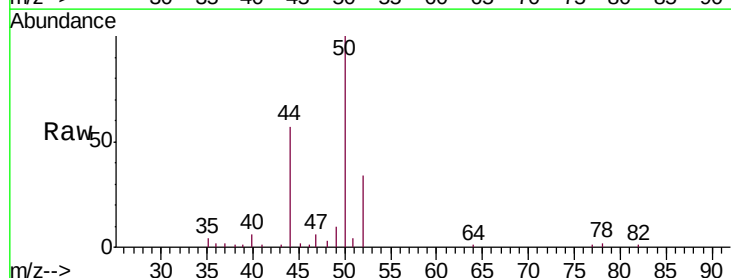
Acq: 24 Apr 2019 09:55

Tgt Ion: 50 Resp: 21624

Ion Ratio Lower Upper

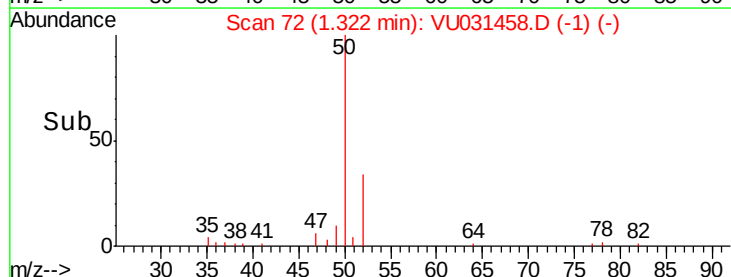
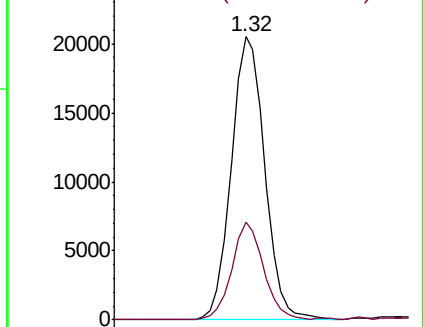
50 100

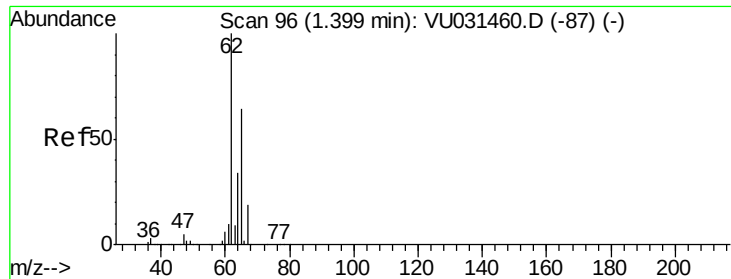
52 34.4 23.0 42.8



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: 0.357 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

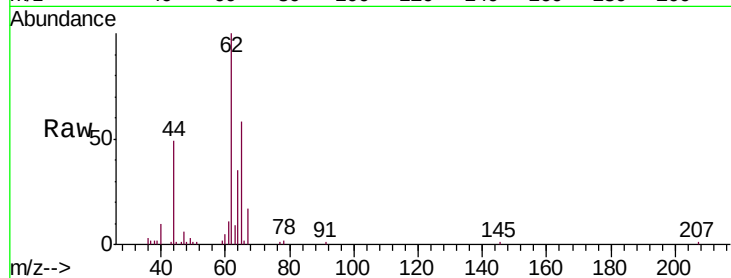
VSTD0.504

Tgt Ion: 62 Resp: 20164

Ion Ratio Lower Upper

62 100

64 34.9 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VU031460.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031460.D (-87) (-)

1.40

20000

15000

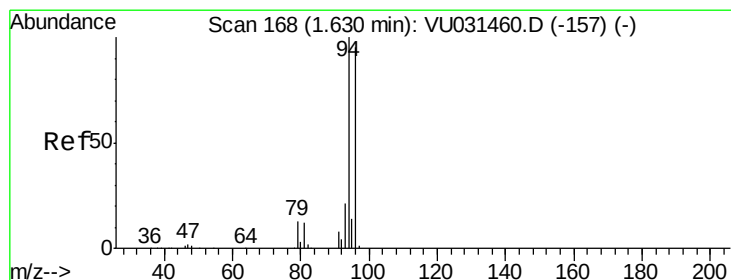
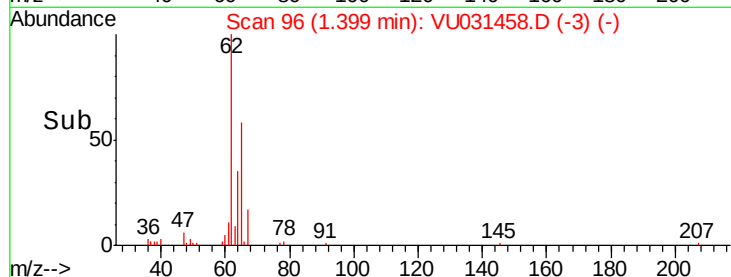
10000

5000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 0.345 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031458.D

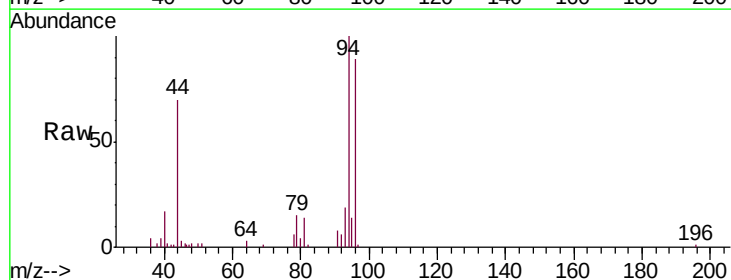
Acq: 24 Apr 2019 09:55

Tgt Ion: 94 Resp: 10652

Ion Ratio Lower Upper

94 100

96 88.6 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU031460.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU031460.D (-157) (-)

1.63

10000

8000

6000

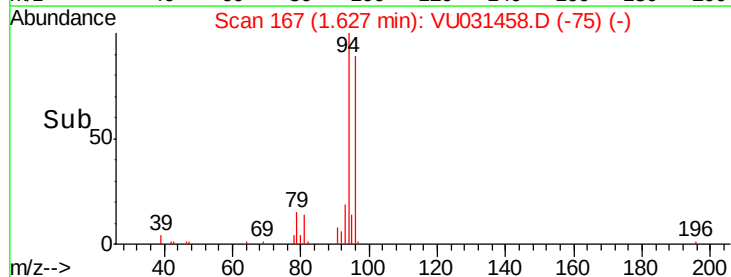
4000

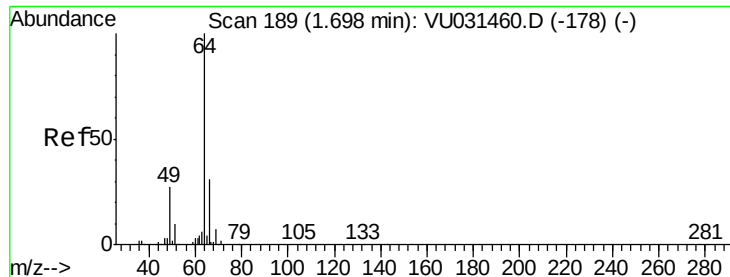
2000

0

Time-->

1.60 1.65 1.70

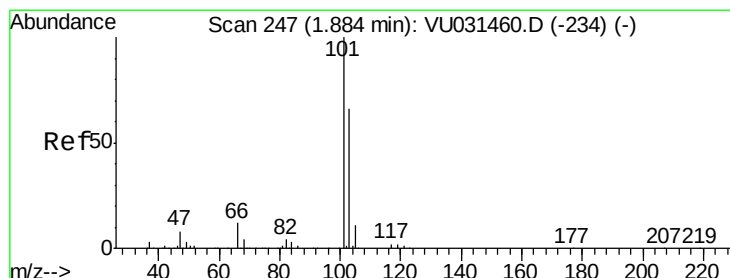
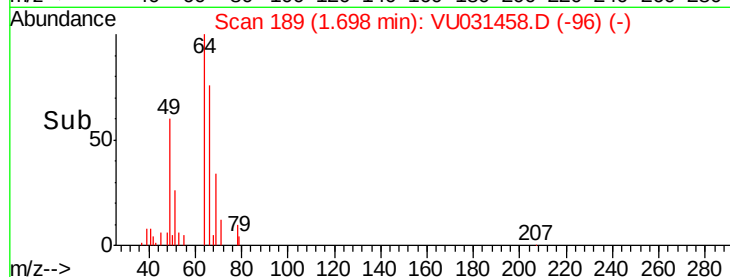
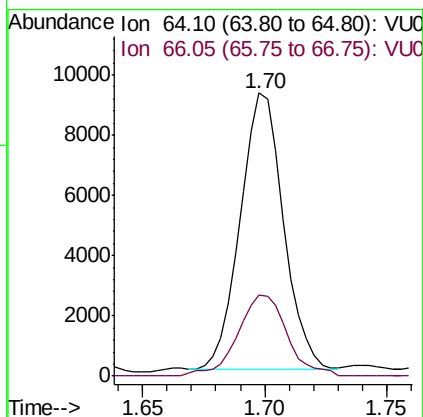
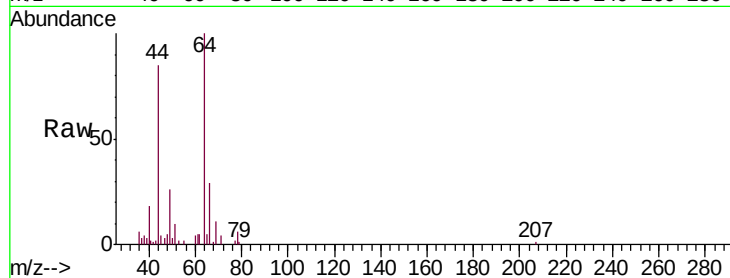




#8
Chloroethane
Concen: 0.349 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031458.D
Acq: 24 Apr 2019 09:55

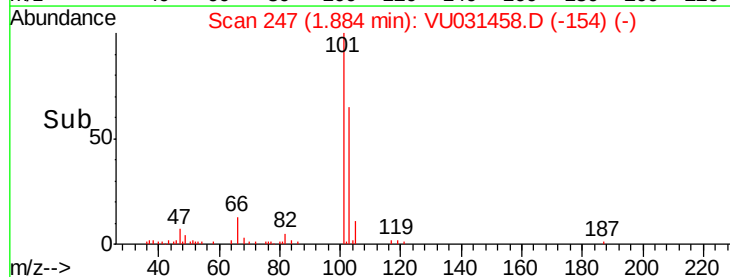
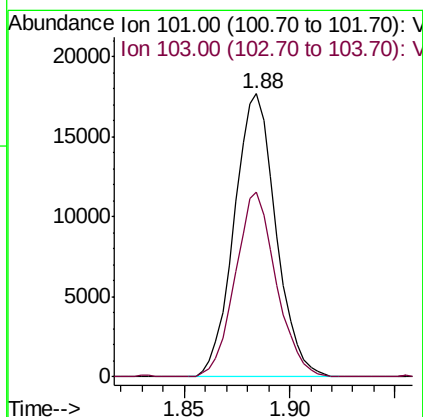
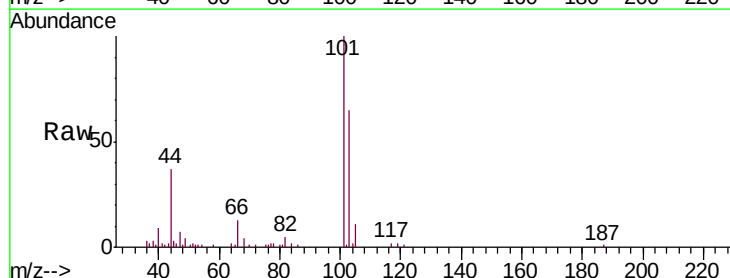
Instrument :
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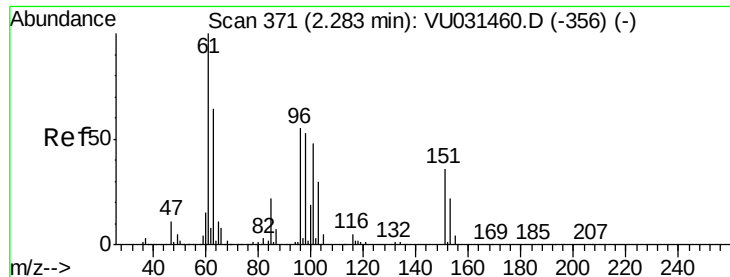
Tgt Ion: 64 Resp: 11296
Ion Ratio Lower Upper
64 100
66 28.7 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.342 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031458.D
Acq: 24 Apr 2019 09:55

Tgt Ion: 101 Resp: 24195
Ion Ratio Lower Upper
101 100
103 64.1 52.7 79.1





#10

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

Concen: 0.375 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

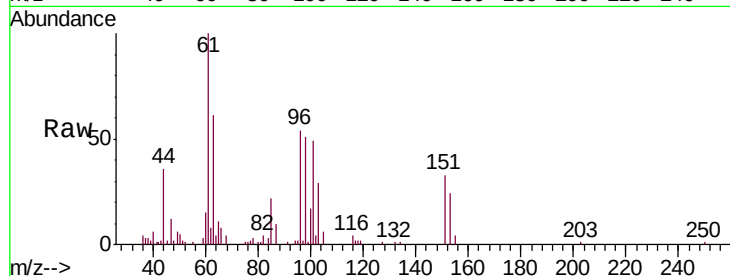
Tgt Ion: 101 Resp: 14400

Ion Ratio Lower Upper

101 100

85 42.0 35.8 53.6

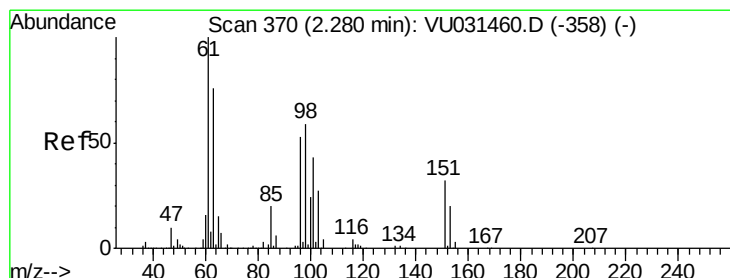
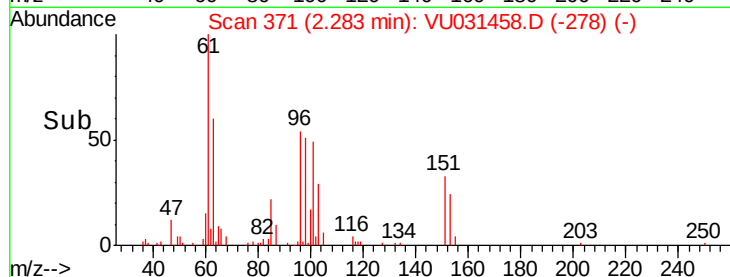
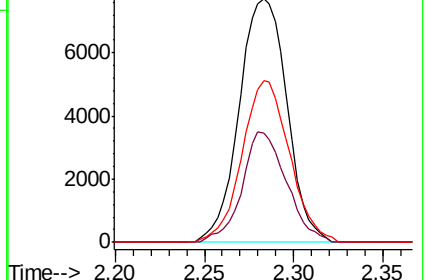
151 65.9 59.2 88.8



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: 0.369 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

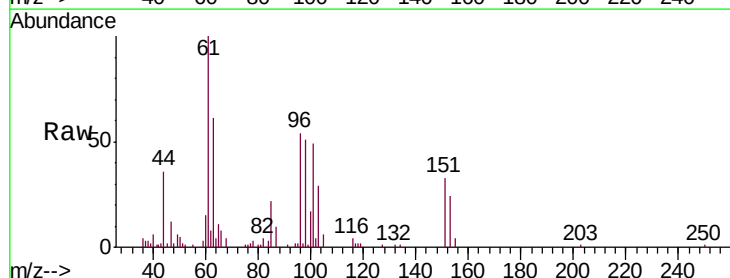
Tgt Ion: 96 Resp: 14146

Ion Ratio Lower Upper

96 100

61 183.5 131.3 243.8

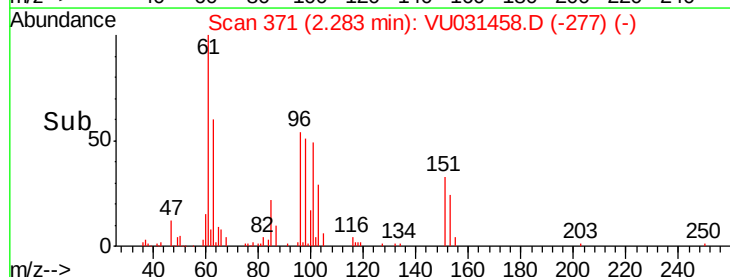
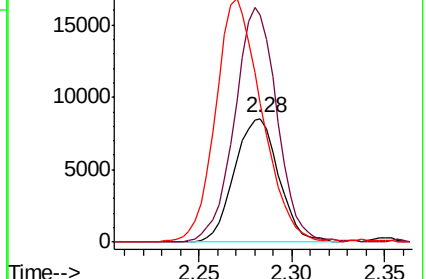
63 111.6 101.9 189.3

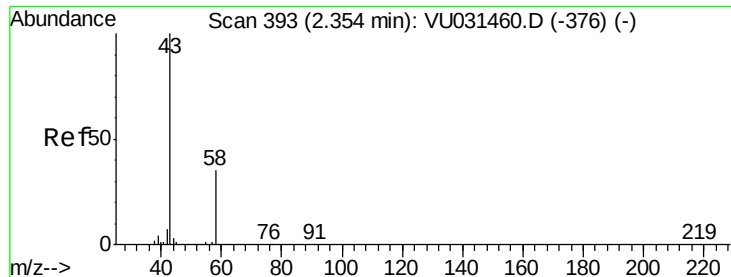


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.381 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.00 min

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ClientSampleId :

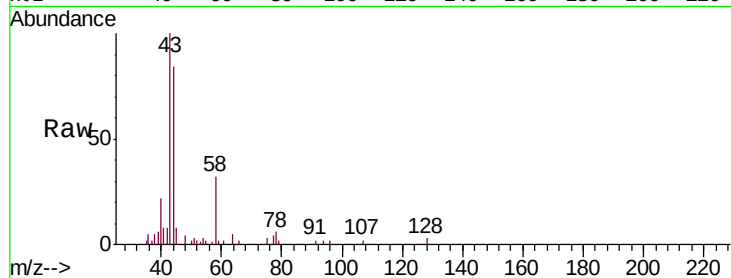
VSTD0.504

Tgt Ion: 43 Resp: 28930

Ion Ratio Lower Upper

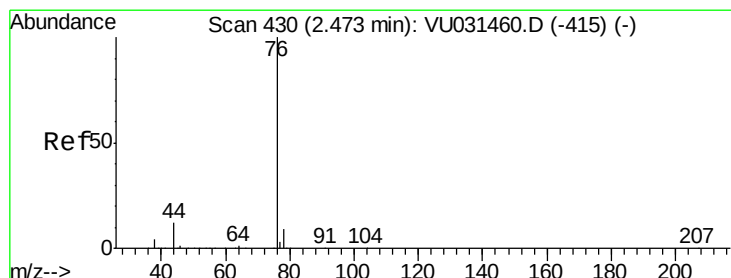
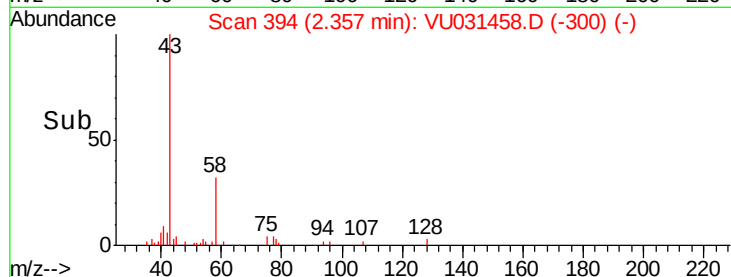
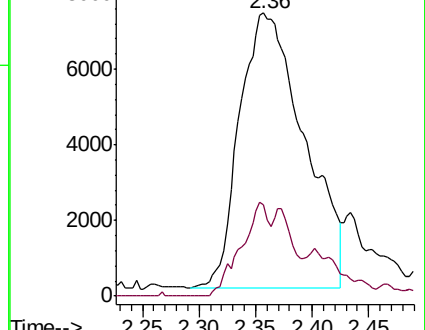
43 100

58 14.8 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) (-)



#14

Carbon disulfide

Concen: 0.353 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031458.D

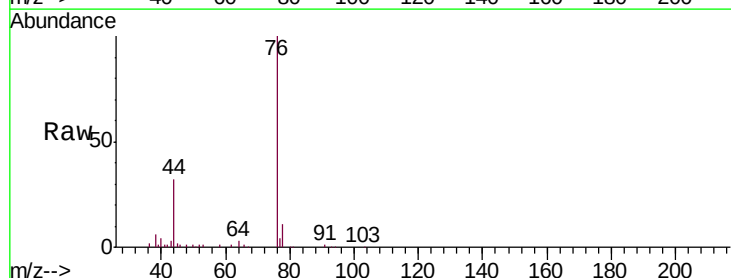
Acq: 24 Apr 2019 09:55

Tgt Ion: 76 Resp: 45101

Ion Ratio Lower Upper

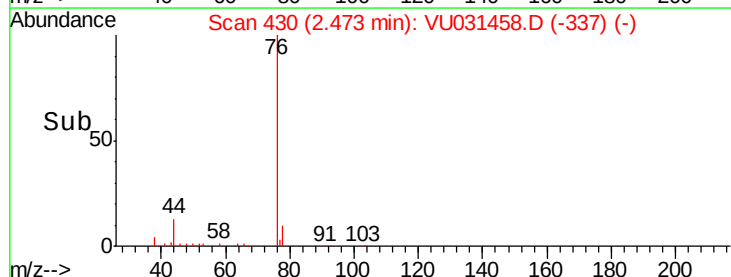
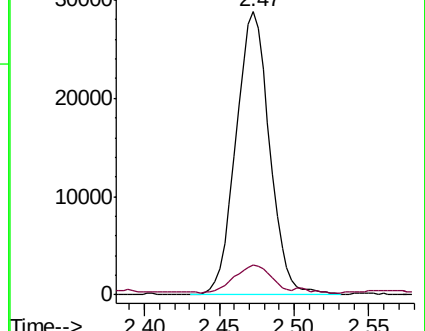
76 100

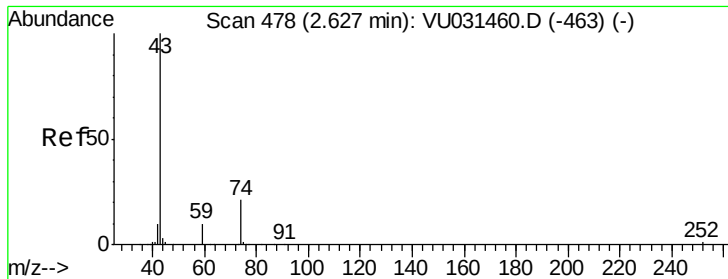
78 10.8 7.4 11.2



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

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





#15

Methyl Acetate

Concen: 0.155 ug/L

RT: 2.62 min Scan# 476

Delta R.T. -0.01 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

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ClientSampleId :

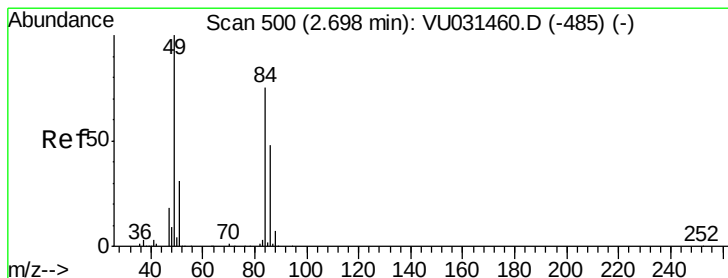
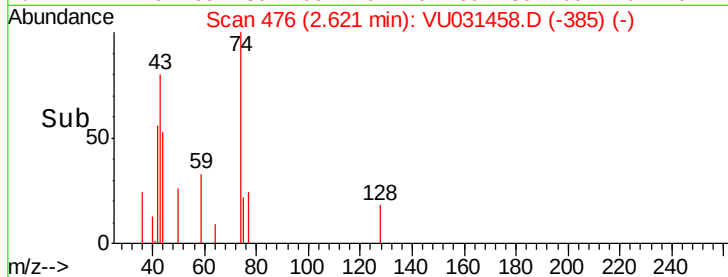
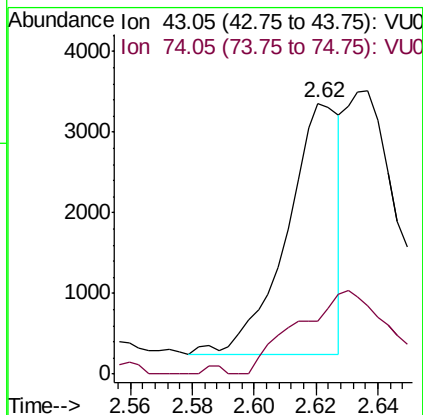
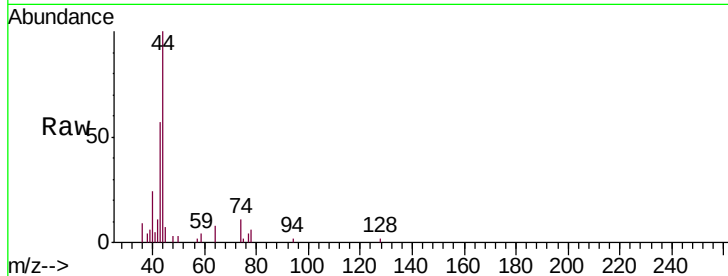
VSTD0.504

Tgt Ion: 43 Resp: 3691

Ion Ratio Lower Upper

43 100

74 59.3 17.1 25.7#



#16

Methylene chloride

Concen: 0.354 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

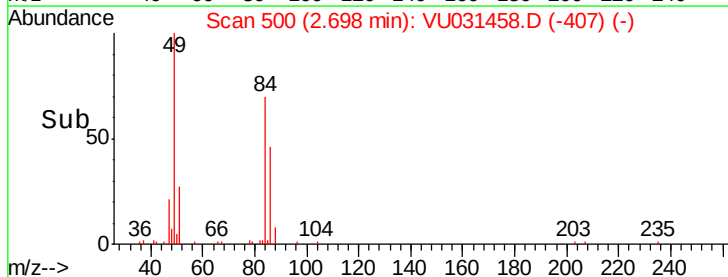
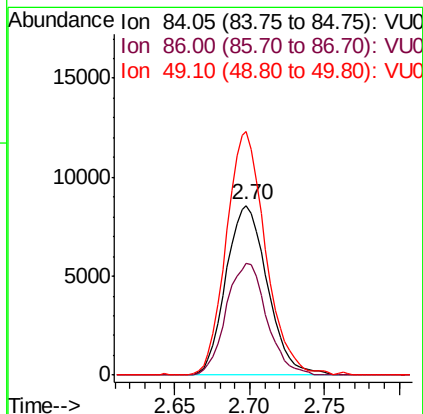
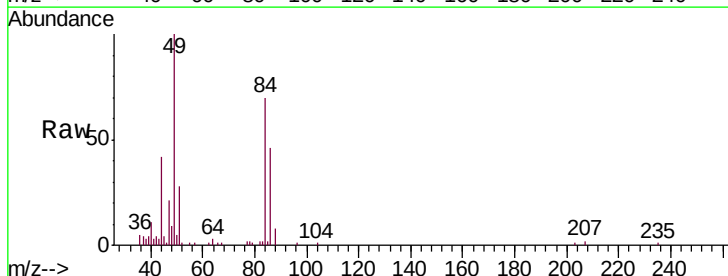
Tgt Ion: 84 Resp: 16568

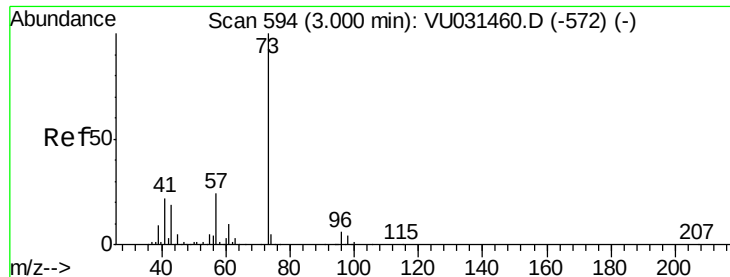
Ion Ratio Lower Upper

84 100

86 65.7 44.9 83.5

49 143.6 92.9 172.5

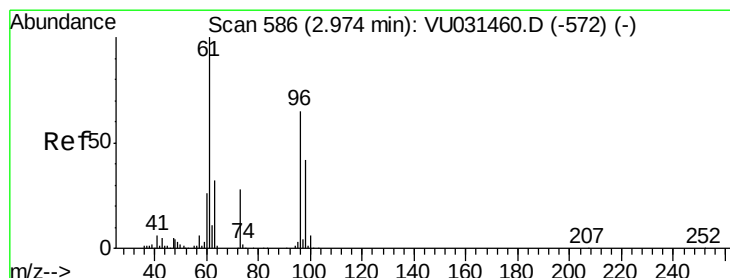
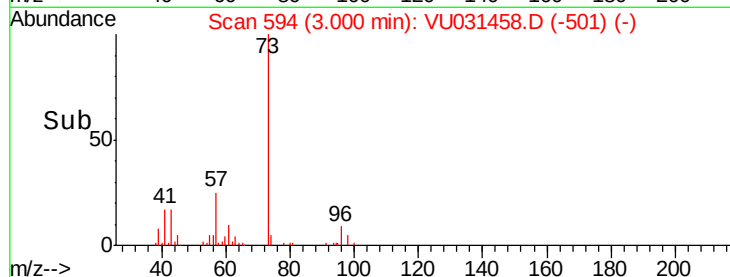
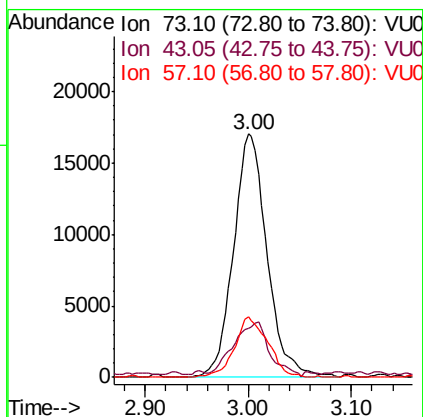
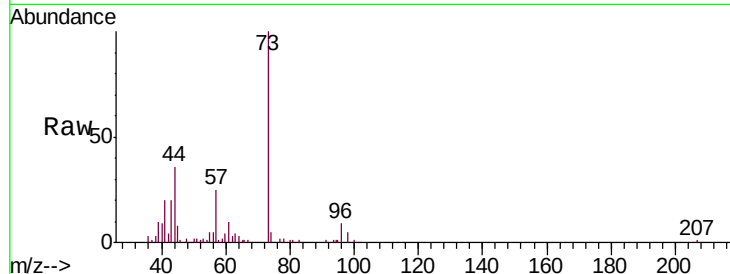




#17
Methyl tert-butyl Ether
Concen: 0.371 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU031458.D
Acq: 24 Apr 2019 09:55

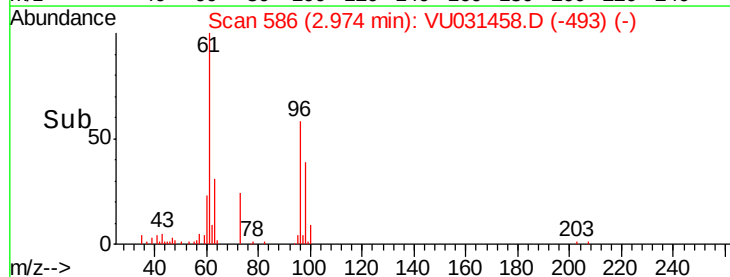
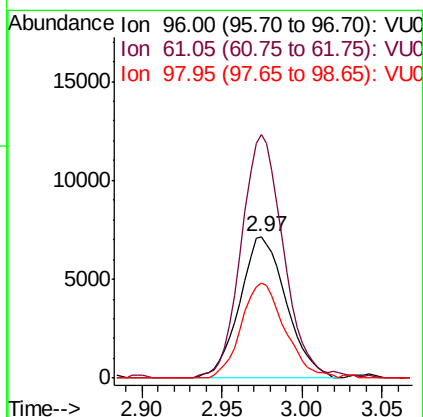
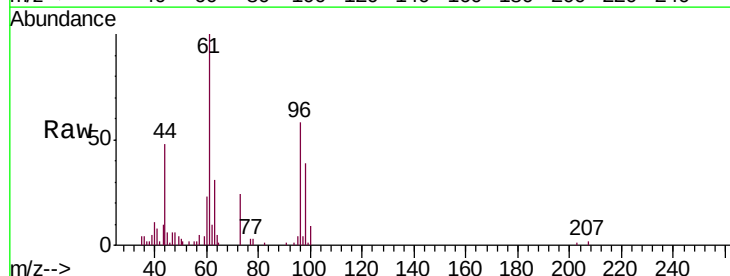
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

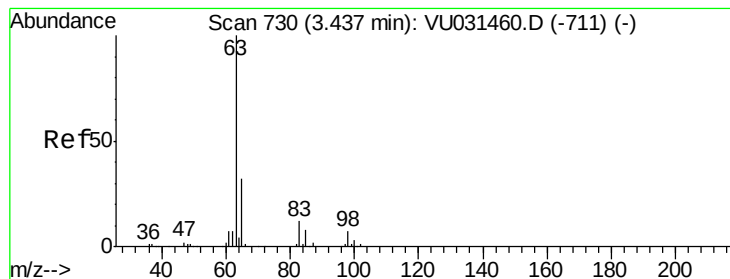
Tgt Ion: 73 Resp: 38605
Ion Ratio Lower Upper
73 100
43 24.9 15.4 23.0#
57 24.5 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 0.350 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU031458.D
Acq: 24 Apr 2019 09:55

Tgt Ion: 96 Resp: 14236
Ion Ratio Lower Upper
96 100
61 172.1 108.4 201.2
98 67.6 45.1 83.9





#19

1,1-Dichloroethane

Concen: 0.477 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

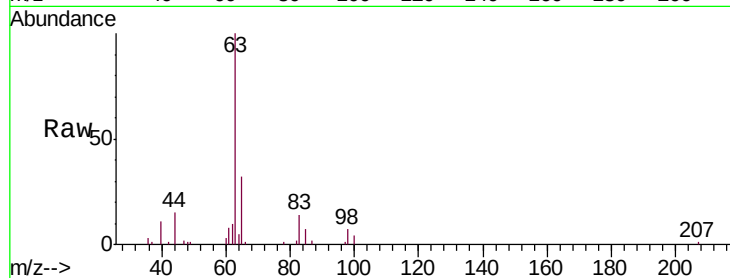
Tgt Ion: 63 Resp: 27281

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

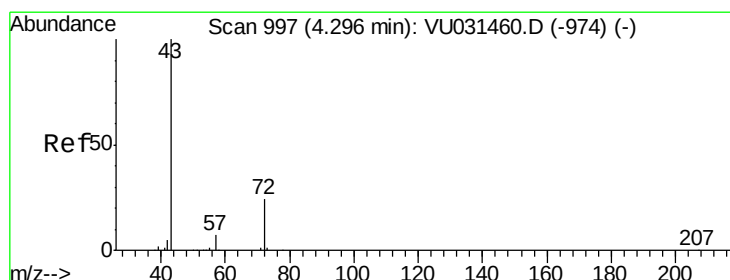
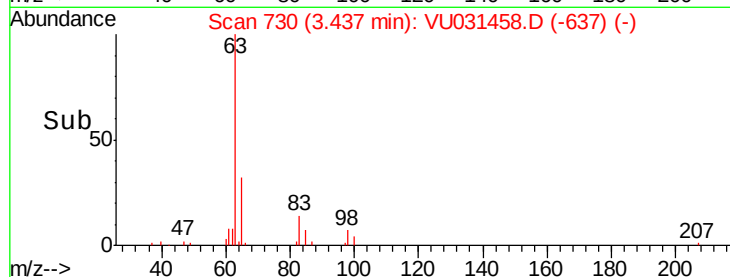
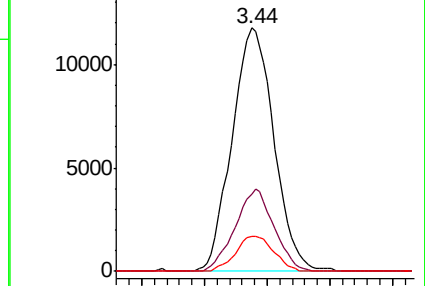
83 14.1 8.5 15.9



Abundance Ion 63.10 (62.80 to 63.80): VU031460.D (-711) (-)

Ion 65.10 (64.80 to 65.80): VU031460.D (-711) (-)

Ion 83.05 (82.75 to 83.75): VU031460.D (-711) (-)



#21

2-Butanone

Concen: 3.443 ug/L

RT: 4.31 min Scan# 1002

Delta R.T. 0.02 min

Lab File: VU031458.D

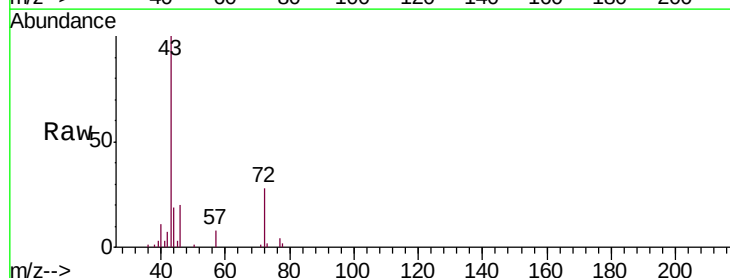
Acq: 24 Apr 2019 09:55

Tgt Ion: 43 Resp: 32474

Ion Ratio Lower Upper

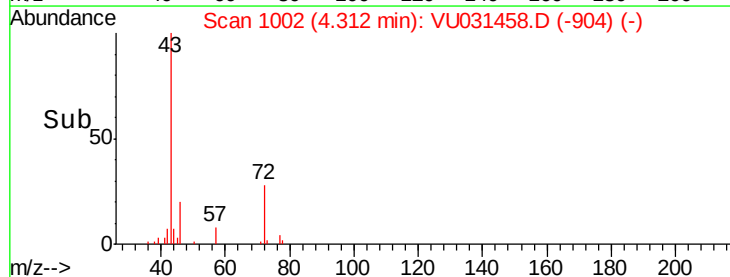
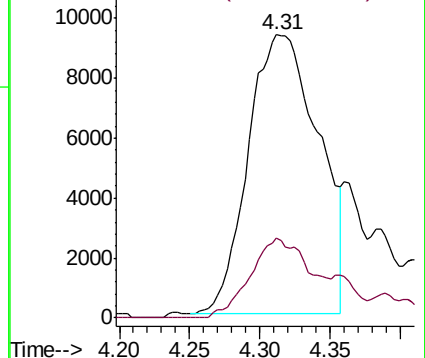
43 100

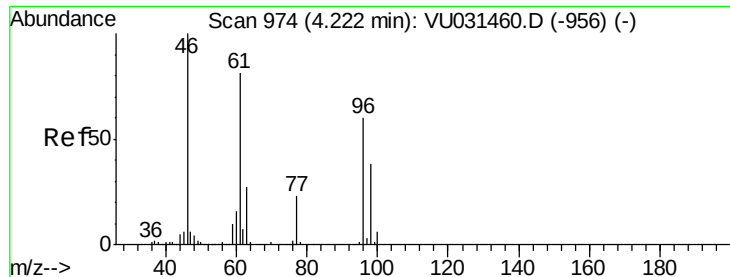
72 24.6 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU031460.D (-974) (-)

Ion 72.10 (71.80 to 72.80): VU031460.D (-974) (-)



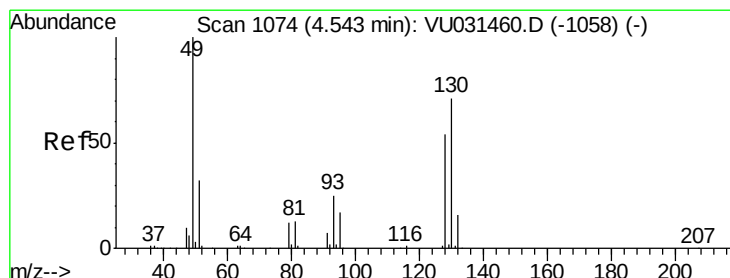
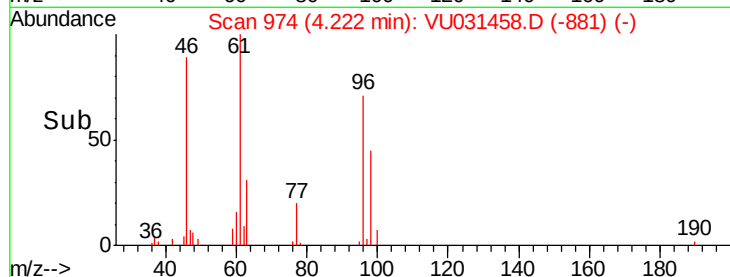
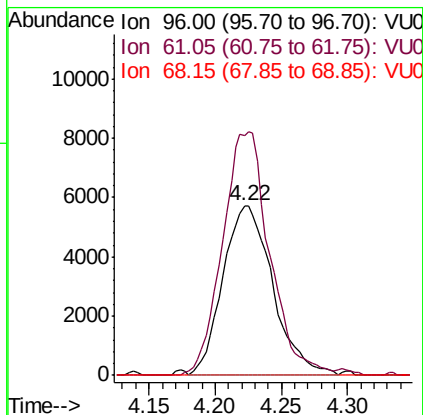
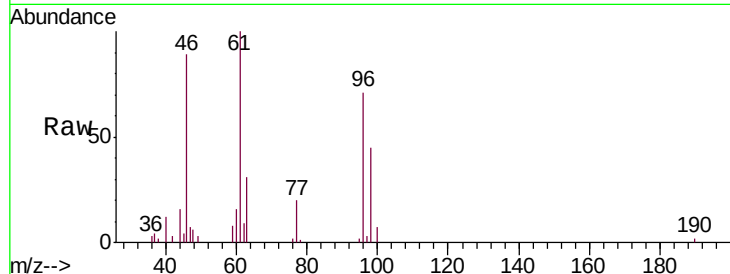


#22

cis-1,2-Dichloroethene
 Concen: 0.455 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031458.D
 Acq: 24 Apr 2019 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

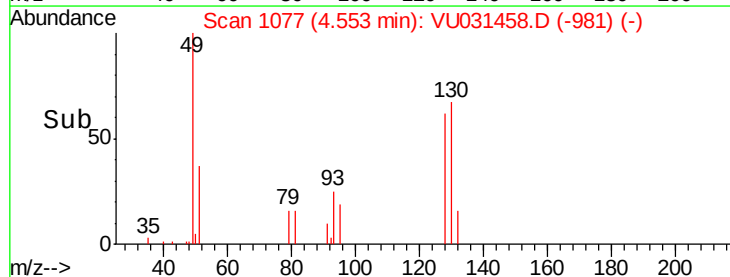
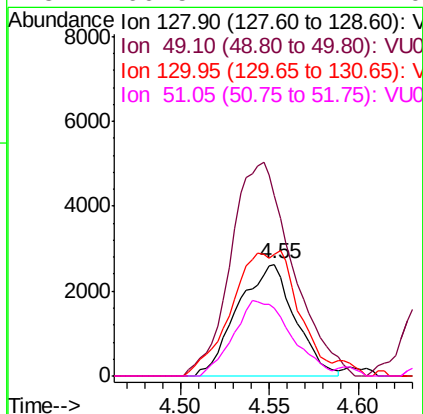
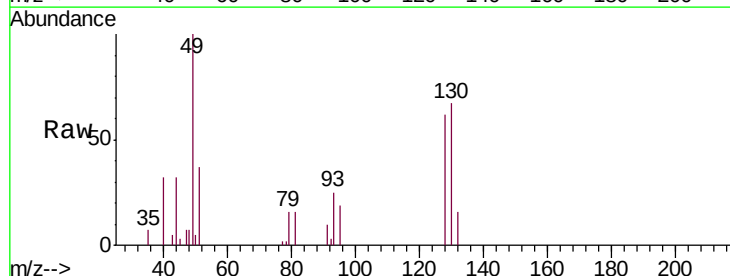
Tgt Ion: 96 Resp: 14955
 Ion Ratio Lower Upper
 96 100
 61 141.7 94.8 176.2
 68 0.0 0.0 0.0

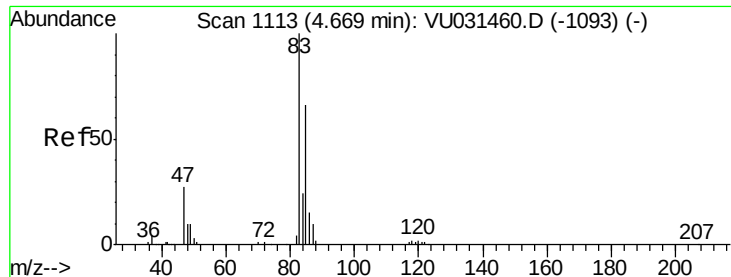


#23

Bromochloromethane
 Concen: 0.406 ug/L
 RT: 4.55 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VU031458.D
 Acq: 24 Apr 2019 09:55

Tgt Ion: 128 Resp: 5892
 Ion Ratio Lower Upper
 128 100
 49 162.1 128.9 239.3
 130 109.2 91.2 169.4
 51 60.5 47.4 71.0





#25

Chloroform

Concen: 0.435 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

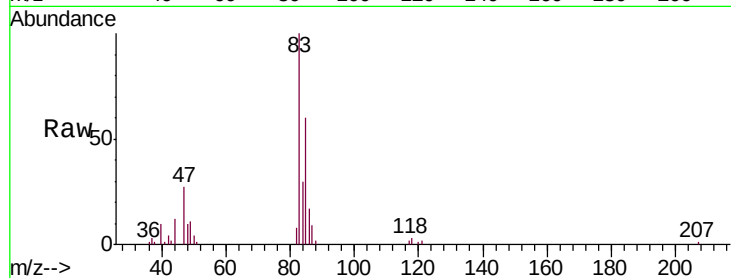
VSTD0.504

Tgt Ion: 83 Resp: 25167

Ion Ratio Lower Upper

83 100

85 59.6 46.0 85.4



Abundance Ion 83.05 (82.75 to 83.75): VU031460.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU031460.D (-1093) (-)

4.67

12000

10000

8000

6000

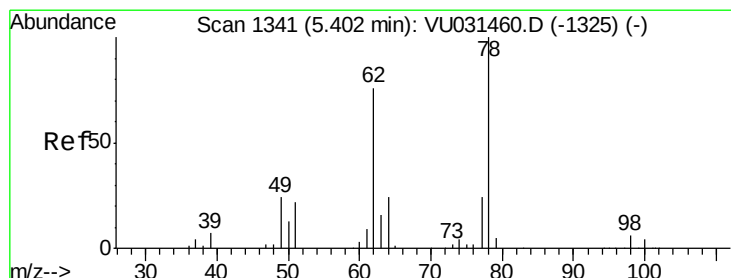
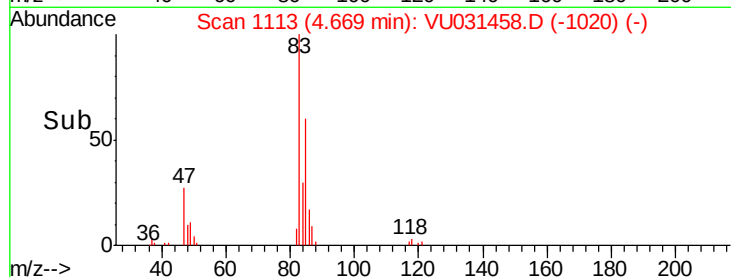
4000

2000

0

Time-->

4.60 4.65 4.70 4.75



#27

1,2-Dichloroethane

Concen: 0.446 ug/L

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU031458.D

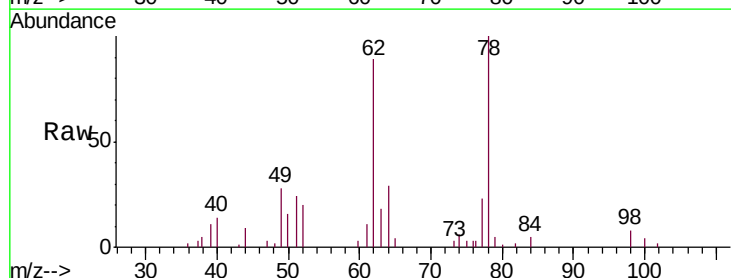
Acq: 24 Apr 2019 09:55

Tgt Ion: 62 Resp: 16686

Ion Ratio Lower Upper

62 100

98 8.9 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU031460.D (-1325) (-)

Ion 98.05 (97.75 to 98.75): VU031460.D (-1325) (-)

5.41

8000

6000

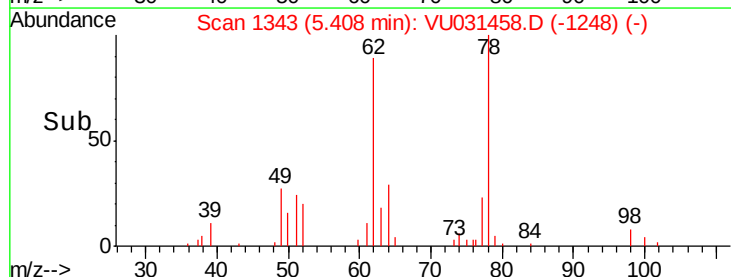
4000

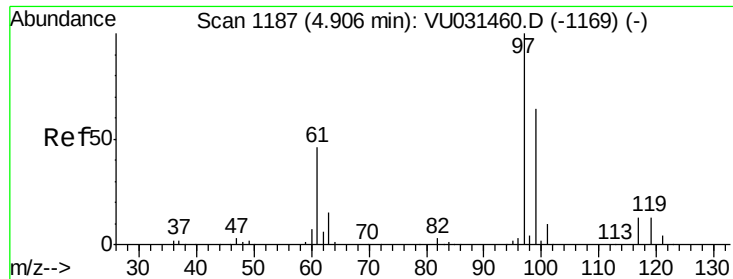
2000

0

Time-->

5.35 5.40 5.45

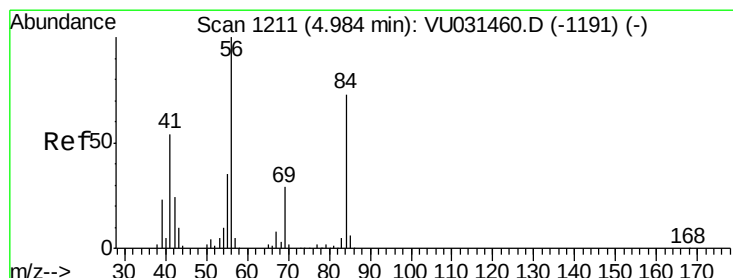
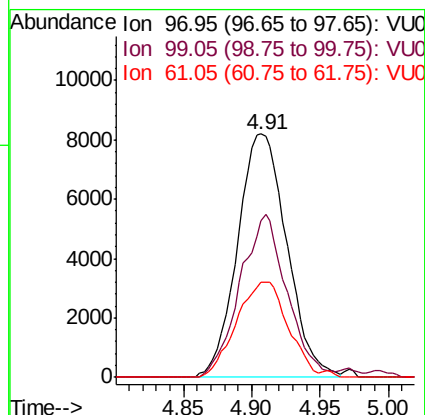
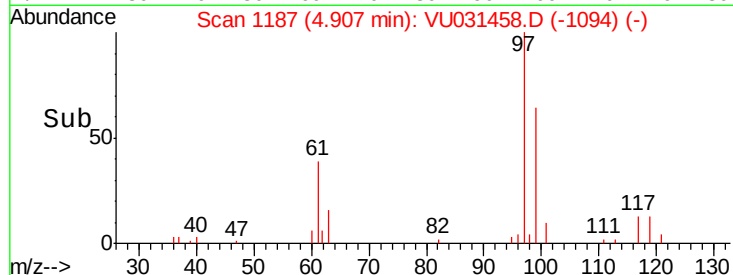
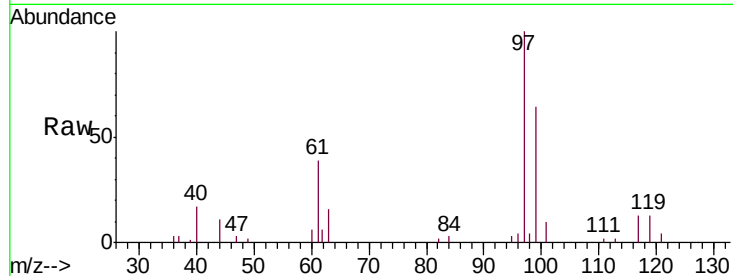




#29
 1,1,1-Trichloroethane
 Concen: 0.444 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU031458.D
 Acq: 24 Apr 2019 09:55

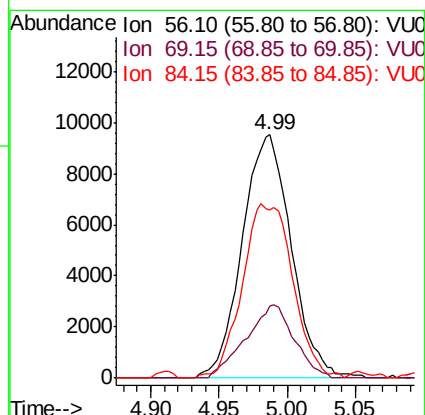
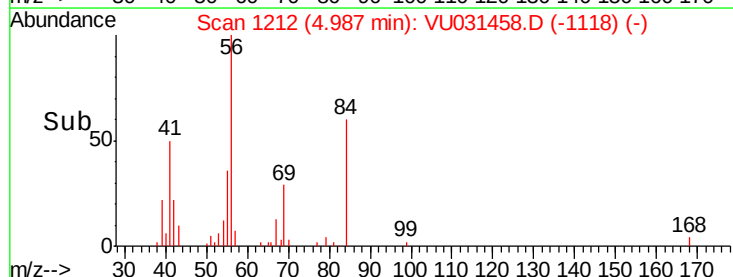
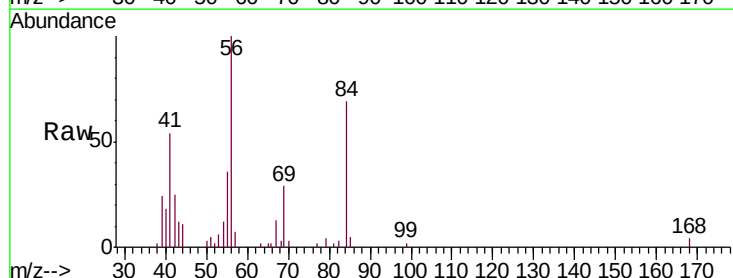
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

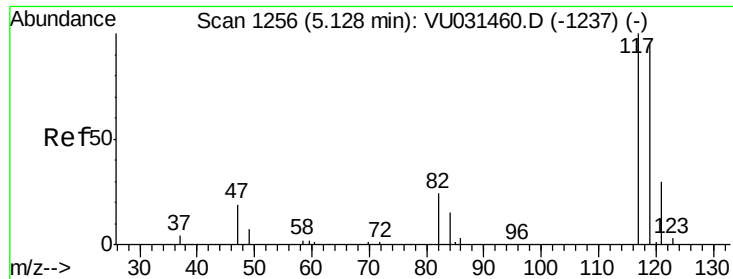
Tgt Ion: 97 Resp: 20571
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.2 75.2
 61 40.8 37.0 55.4



#30
 Cyclohexane
 Concen: 0.483 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU031458.D
 Acq: 24 Apr 2019 09:55

Tgt Ion: 56 Resp: 23706
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.3 34.9
 84 73.7 61.0 91.6





#31

Carbon tetrachloride

Concen: 0.423 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

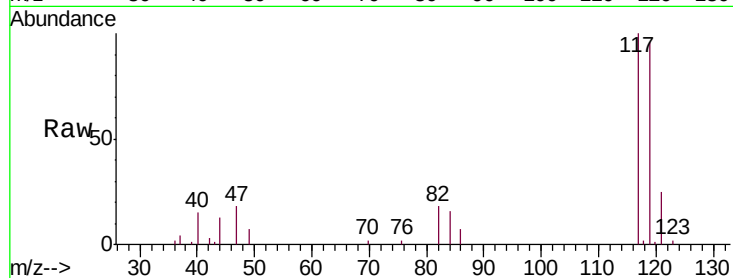
VSTD0.504

Tgt Ion:117 Resp: 17570

Ion Ratio Lower Upper

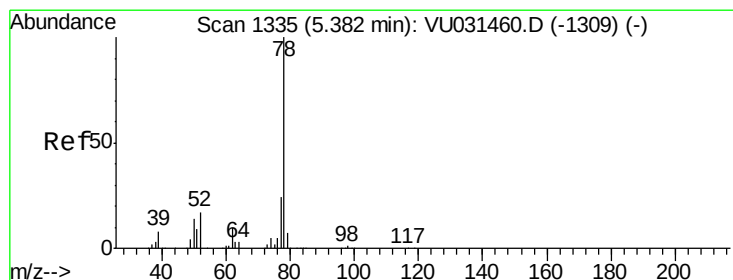
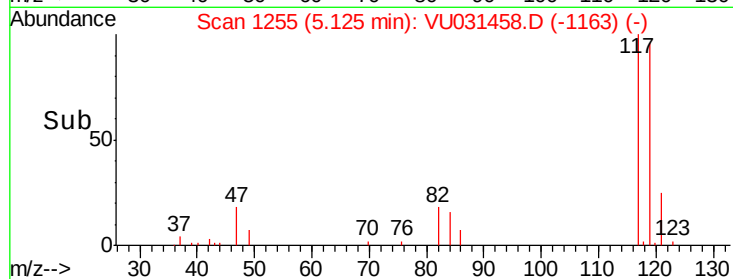
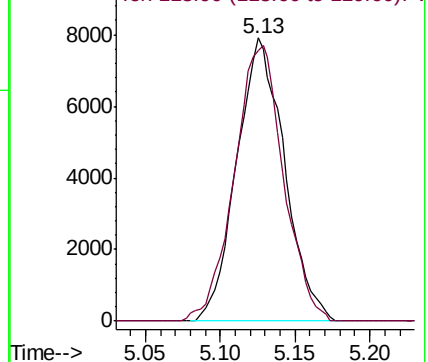
117 100

119 100.4 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.470 ug/L

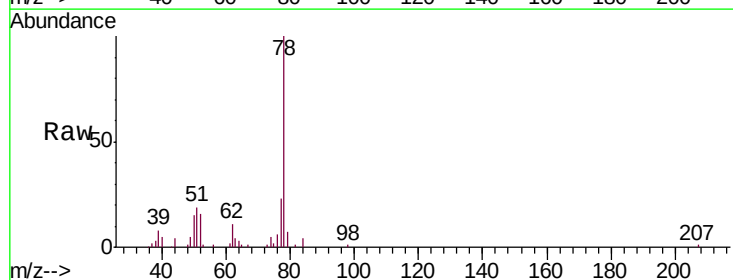
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

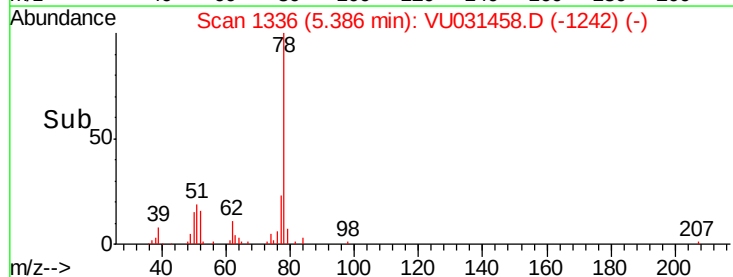
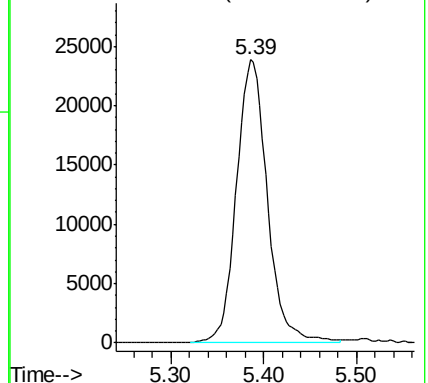
Lab File: VU031458.D

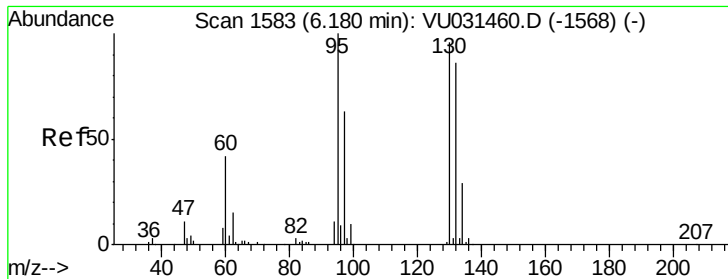
Acq: 24 Apr 2019 09:55

Tgt Ion: 78 Resp: 55521



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.485 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

Tgt Ion: 95 Resp: 15592

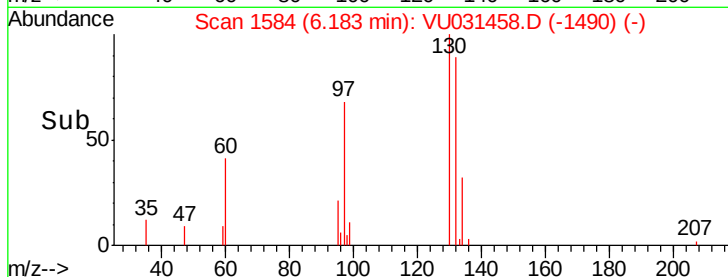
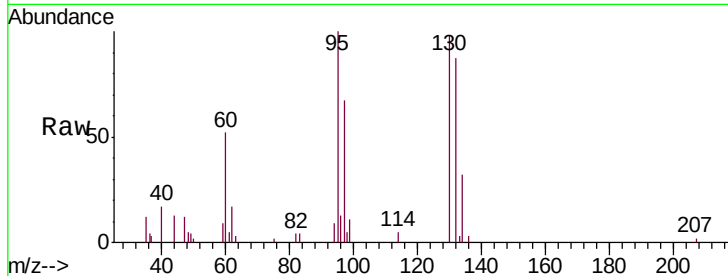
Ion Ratio Lower Upper

95 100

97 66.7 44.3 82.3

132 87.4 59.9 111.3

130 98.1 67.1 124.5

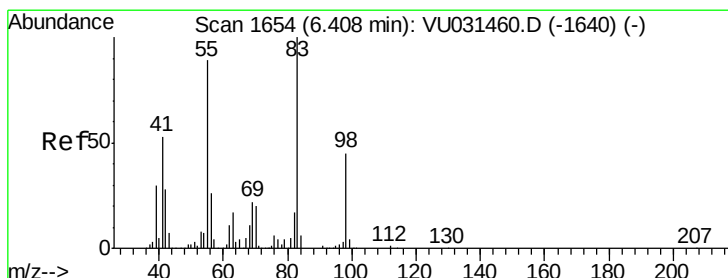
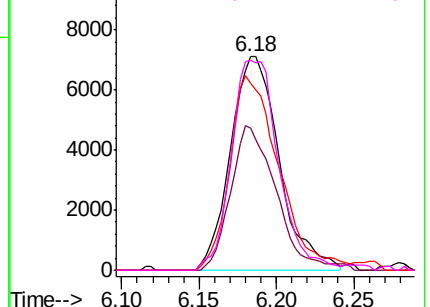


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.459 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

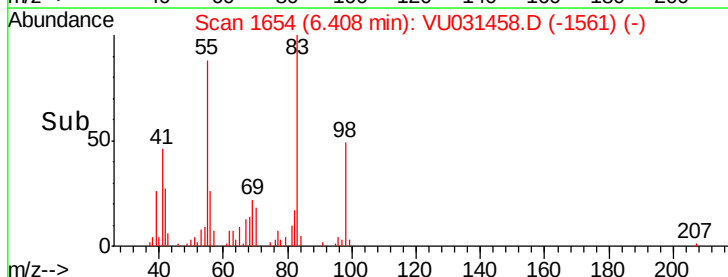
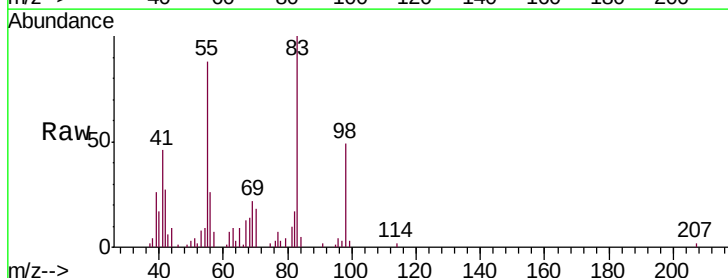
Tgt Ion: 83 Resp: 20548

Ion Ratio Lower Upper

83 100

55 90.1 71.1 106.7

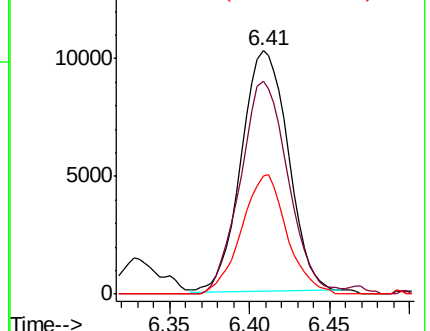
98 47.7 36.6 54.8

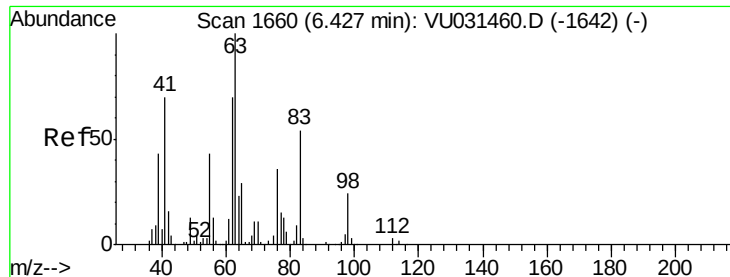


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

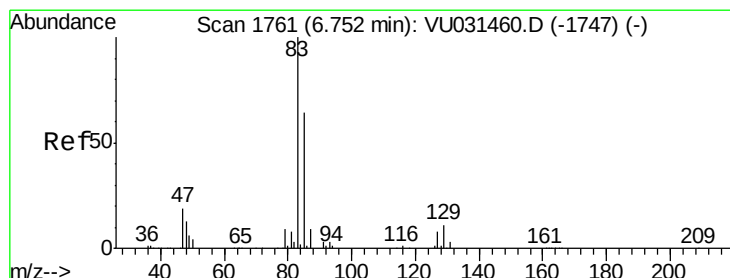
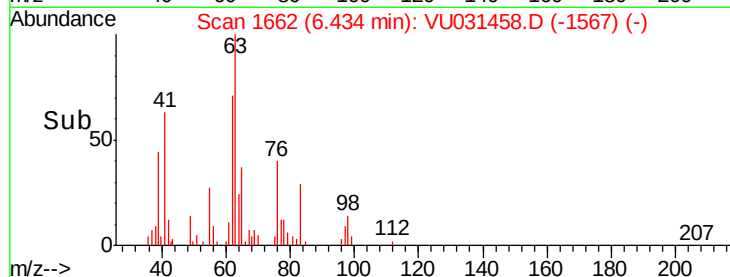
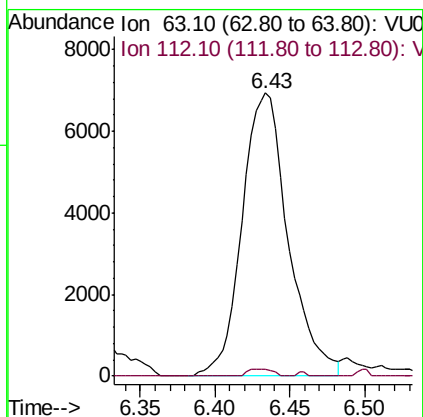
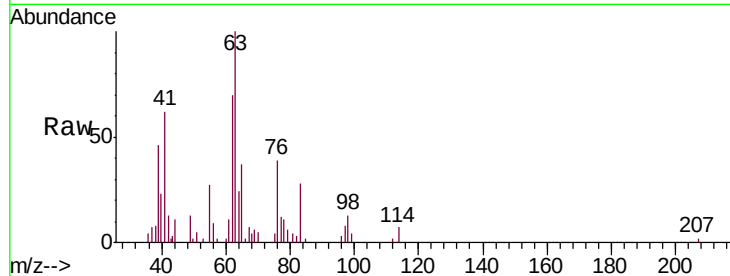




#37
 1,2-Dichloropropane
 Concen: 0.475 ug/L
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.01 min
 Lab File: VU031458.D
 Acq: 24 Apr 2019 09:55

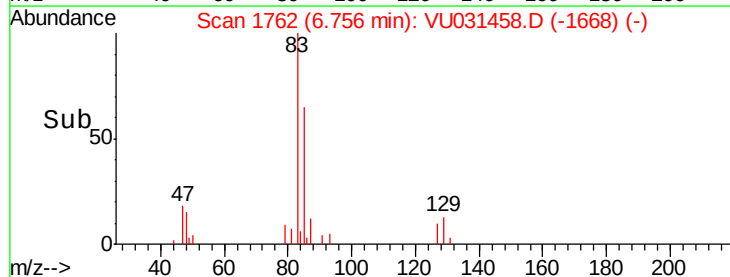
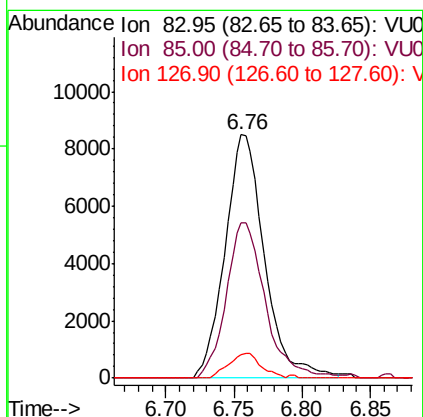
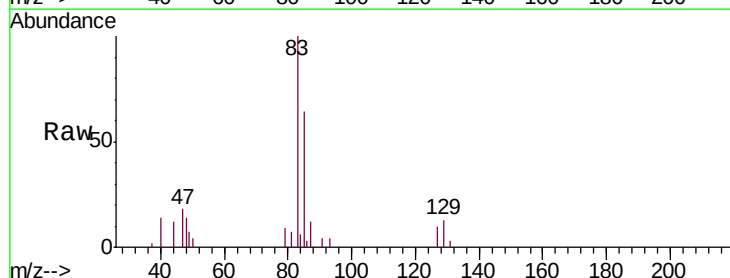
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

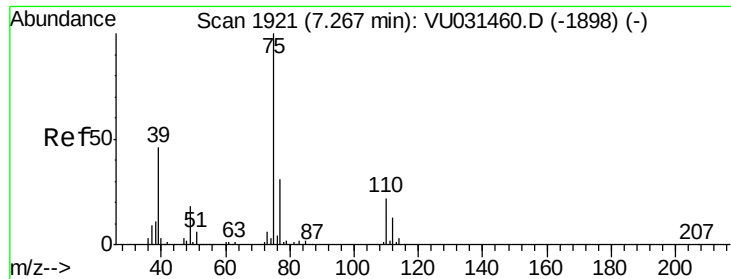
Tgt Ion: 63 Resp: 14907
 Ion Ratio Lower Upper
 63 100
 112 1.4 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 0.444 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031458.D
 Acq: 24 Apr 2019 09:55

Tgt Ion: 83 Resp: 17070
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.8 83.2
 127 9.8 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 0.470 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

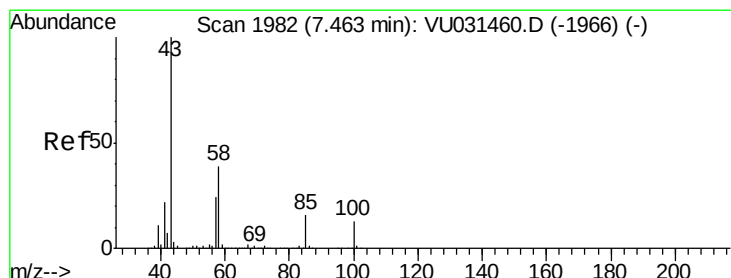
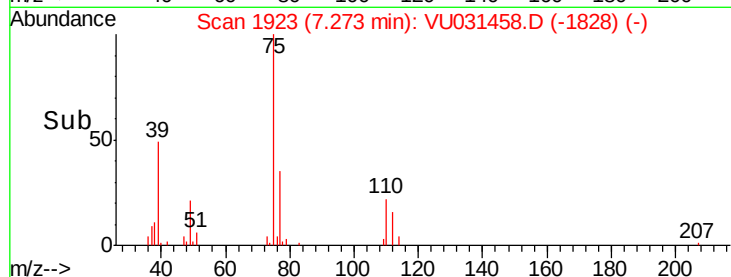
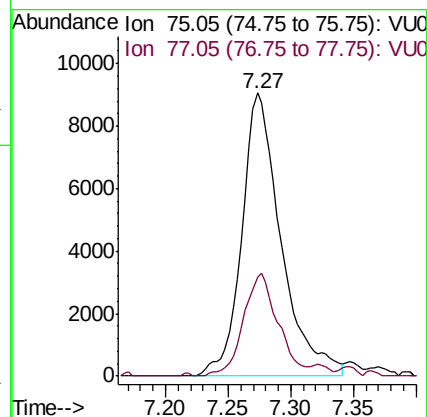
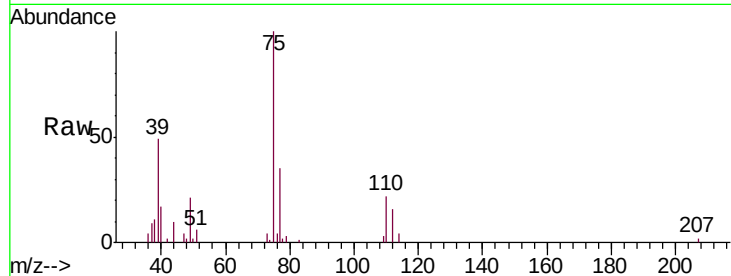
VSTD0.504

Tgt Ion: 75 Resp: 19695

Ion Ratio Lower Upper

75 100

77 34.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 4.781 ug/L

RT: 7.47 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

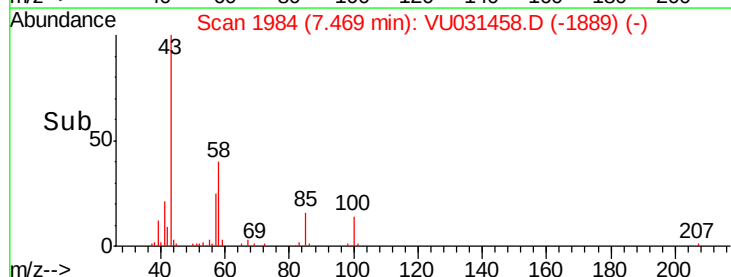
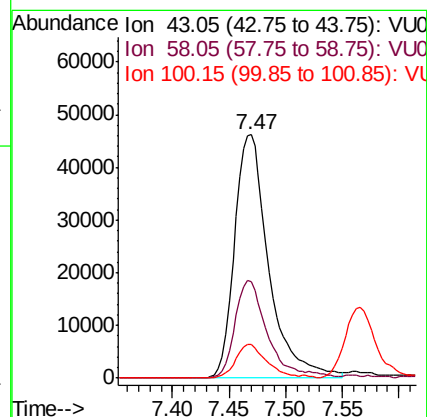
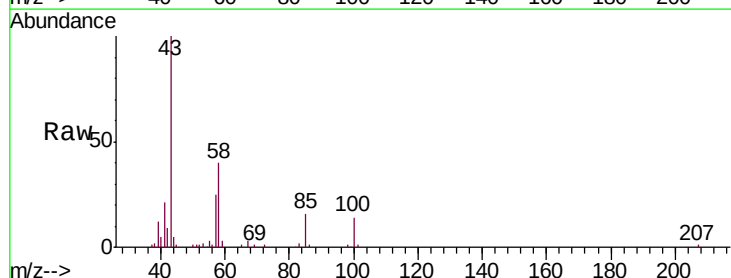
Tgt Ion: 43 Resp: 97220

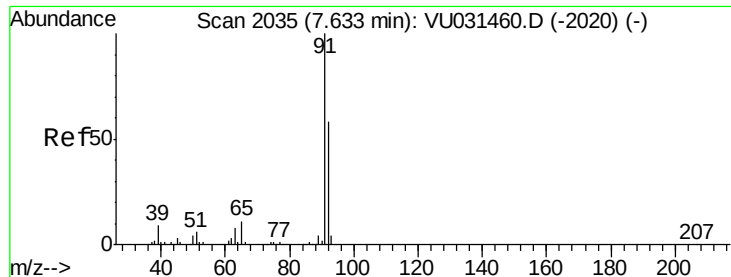
Ion Ratio Lower Upper

43 100

58 38.1 31.6 47.4

100 12.5 10.6 15.8





#42

Toluene

Concen: 0.447 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

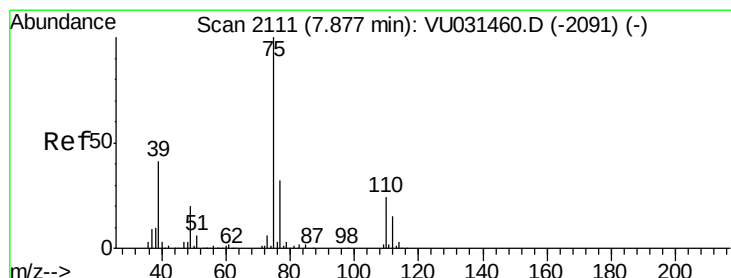
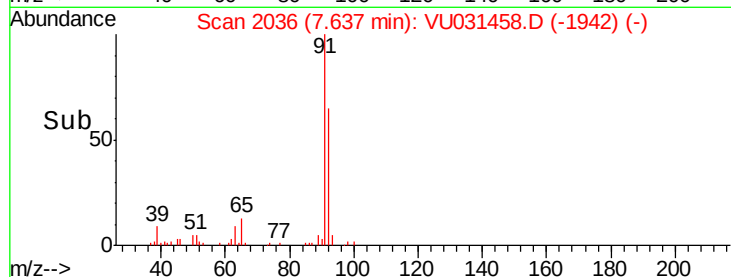
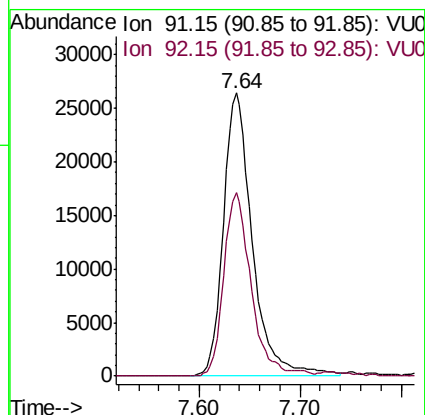
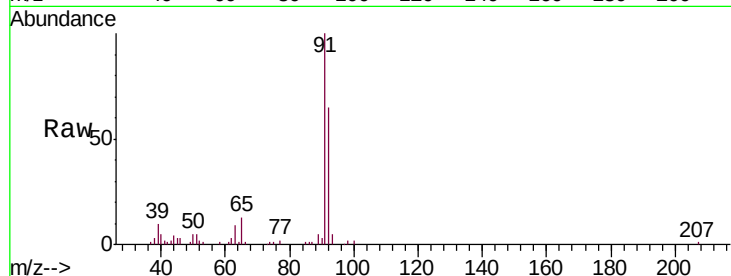
VSTD0.504

Tgt Ion: 91 Resp: 52999

Ion Ratio Lower Upper

91 100

92 64.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 0.429 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU031458.D

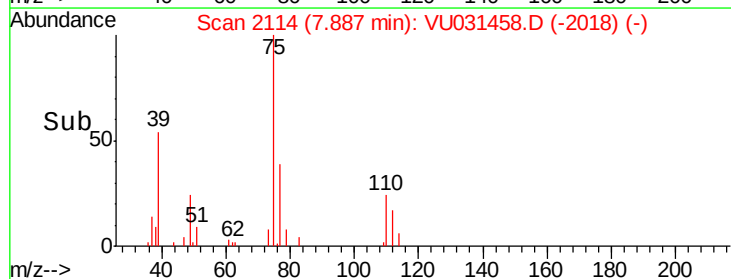
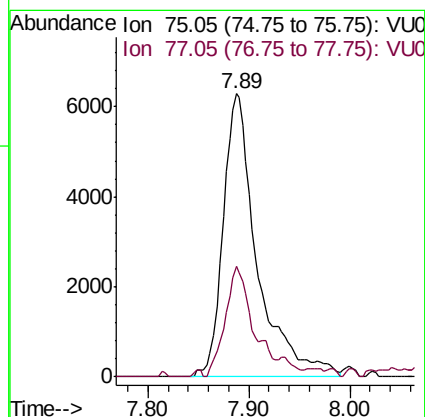
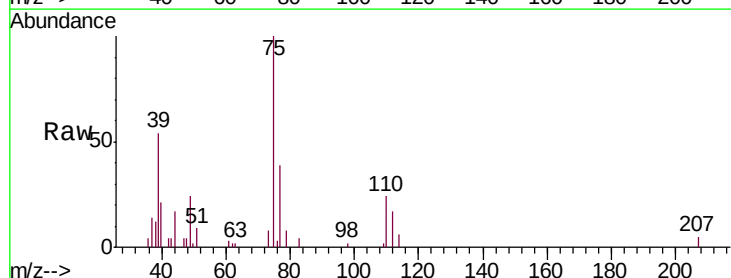
Acq: 24 Apr 2019 09:55

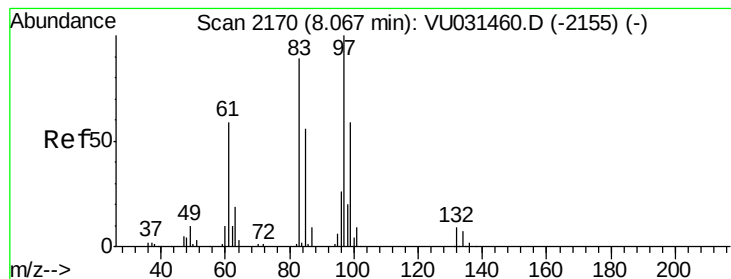
Tgt Ion: 75 Resp: 14754

Ion Ratio Lower Upper

75 100

77 38.9 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 0.419 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

Tgt Ion: 97 Resp: 9385

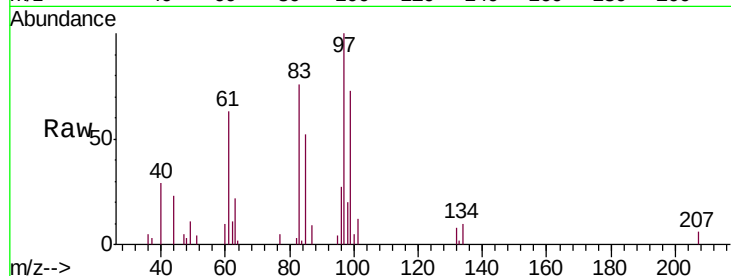
Ion Ratio Lower Upper

97 100

99 72.6 41.2 76.6

83 75.8 62.2 115.4

85 52.0 39.2 72.8

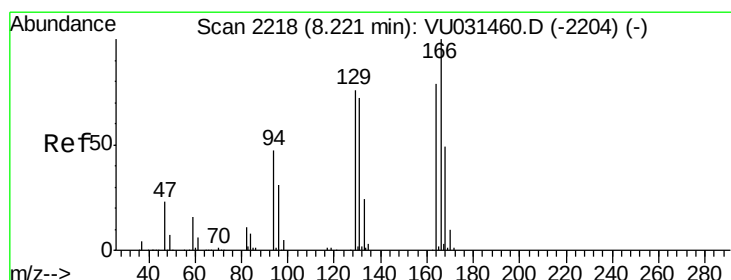
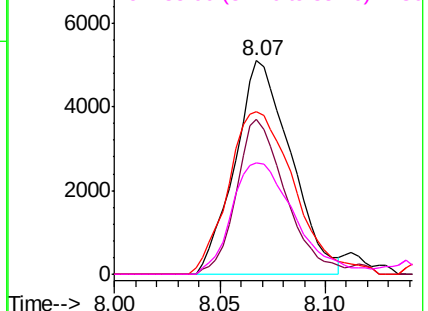
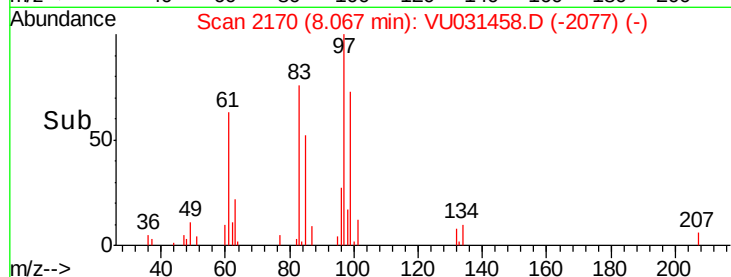


Abundance Ion 96.95 (96.65 to 97.65): VU031460.D (-2155) (-)

Ion 99.05 (98.75 to 99.75): VU031460.D (-2155) (-)

Ion 82.95 (82.65 to 83.65): VU031460.D (-2155) (-)

Ion 85.00 (84.70 to 85.70): VU031460.D (-2155) (-)



#47

Tetrachloroethene

Concen: 0.427 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Tgt Ion: 164 Resp: 10091

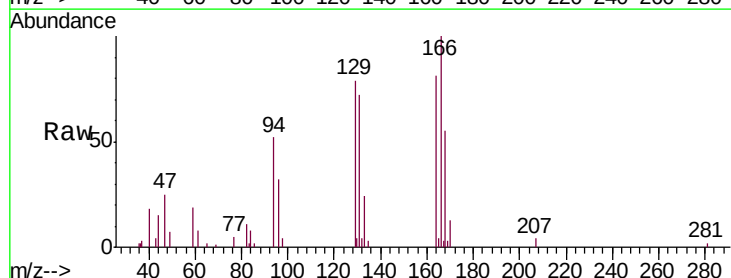
Ion Ratio Lower Upper

164 100

129 97.1 67.5 125.3

131 88.8 64.0 119.0

166 123.5 88.5 164.4

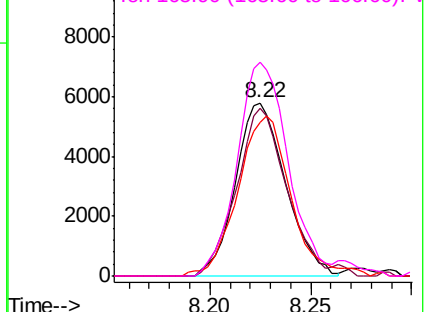
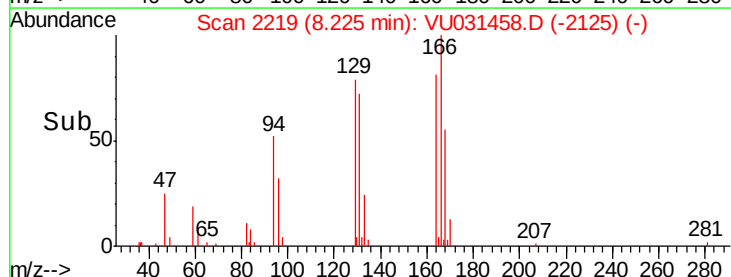


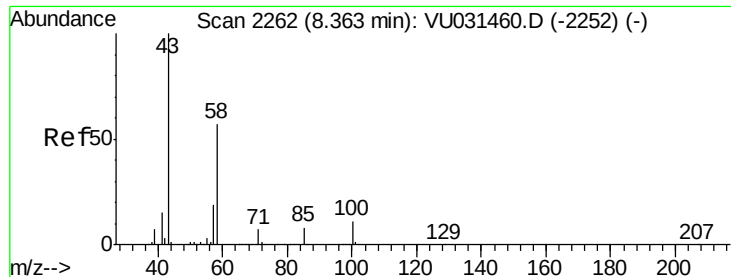
Abundance Ion 163.90 (163.60 to 164.60): VU031460.D (-2204) (-)

Ion 128.95 (128.65 to 129.65): VU031460.D (-2204) (-)

Ion 130.95 (130.65 to 131.65): VU031460.D (-2204) (-)

Ion 165.90 (165.60 to 166.60): VU031460.D (-2204) (-)

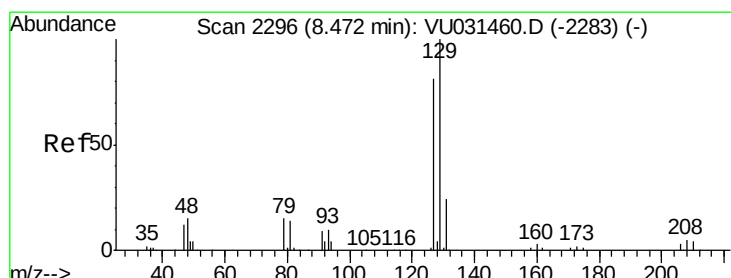
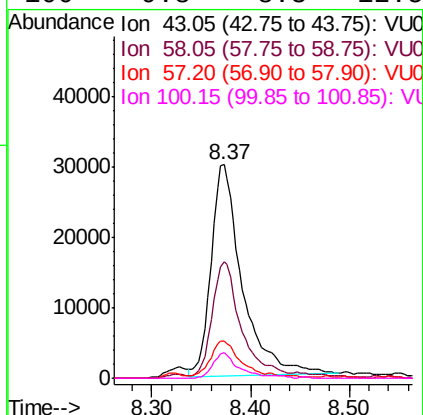
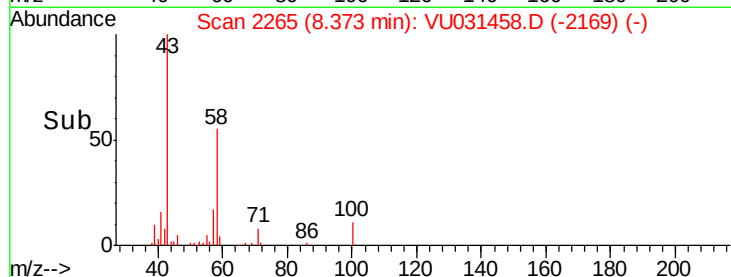
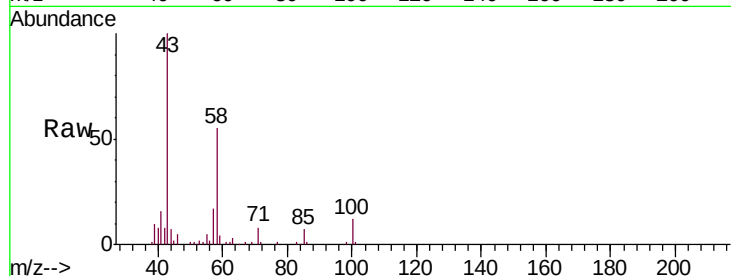




#48
2-Hexanone
Concen: 4.605 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU031458.D
Acq: 24 Apr 2019 09:55

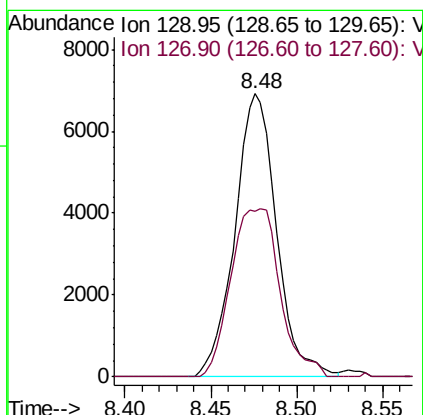
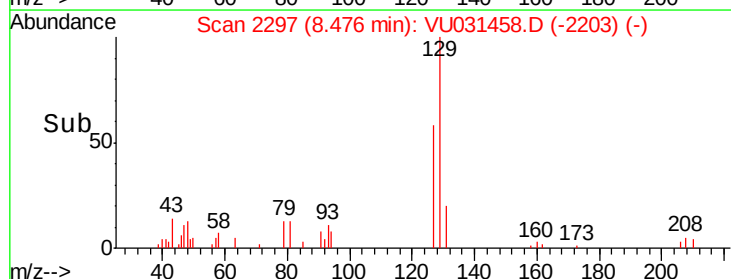
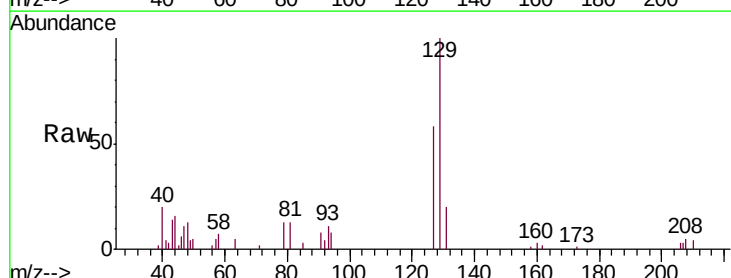
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

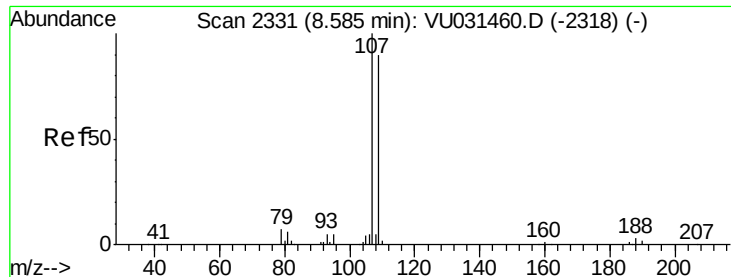
Tgt Ion: 43 Resp: 66278
Ion Ratio Lower Upper
43 100
58 49.4 44.6 67.0
57 14.9 15.3 22.9#
100 9.8 8.3 12.5



#49
Dibromochloromethane
Concen: 0.444 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU031458.D
Acq: 24 Apr 2019 09:55

Tgt Ion: 129 Resp: 11648
Ion Ratio Lower Upper
129 100
127 58.4 56.6 105.0





#50

1,2-Dibromoethane

Concen: 0.431 ug/L

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

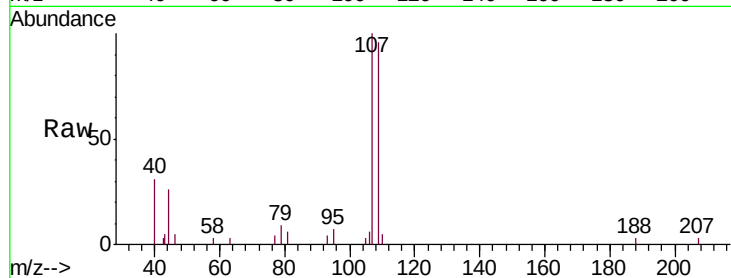
Tgt Ion:107 Resp: 9098

Ion Ratio Lower Upper

107 100

109 95.6 63.1 117.3

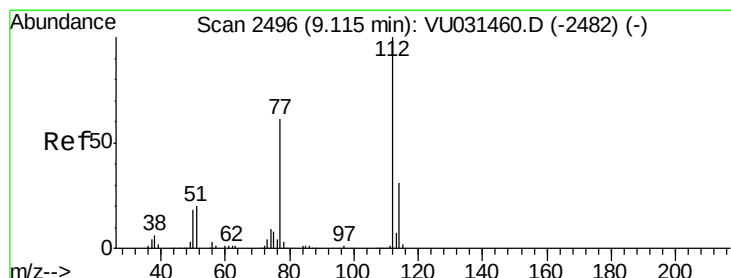
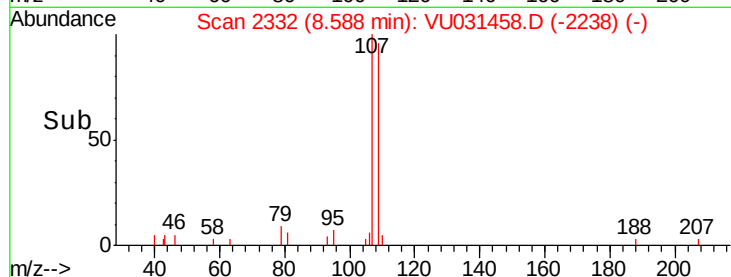
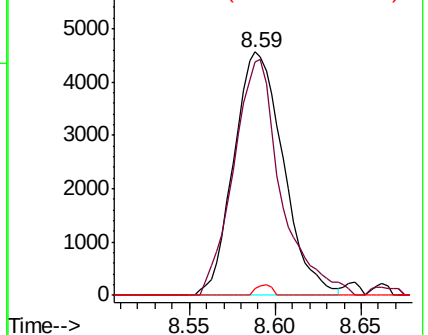
188 2.8 2.2 3.4



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: 0.433 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

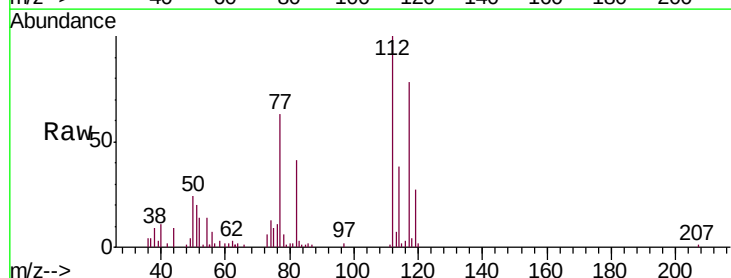
Tgt Ion:112 Resp: 32139

Ion Ratio Lower Upper

112 100

114 38.1 21.9 40.7

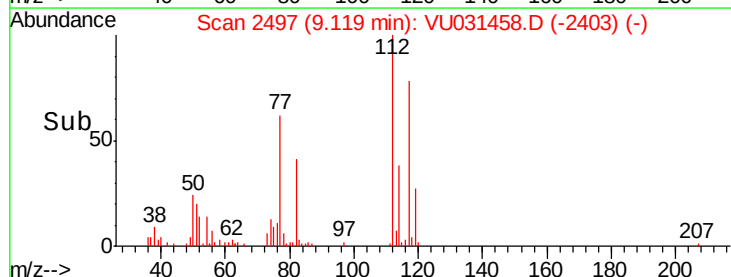
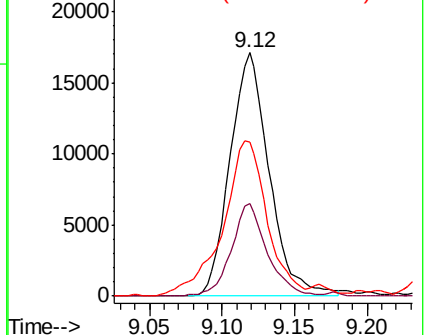
77 63.2 48.9 73.3

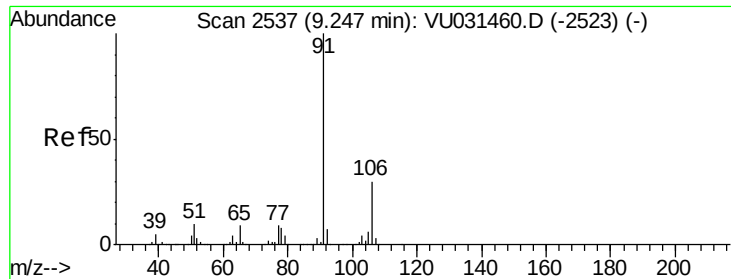


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.461 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

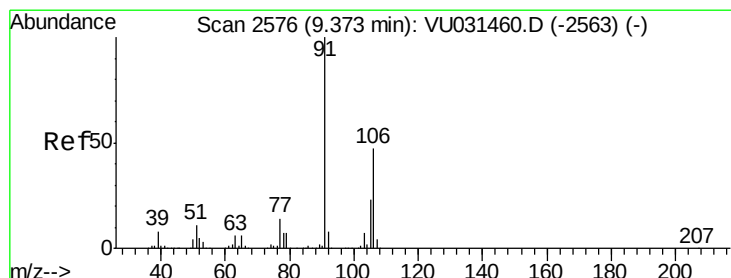
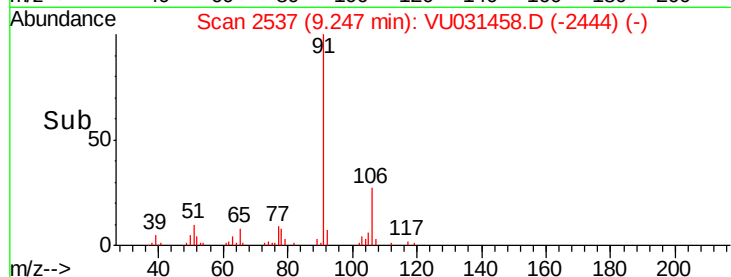
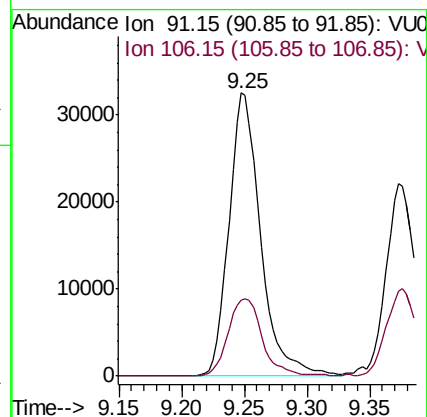
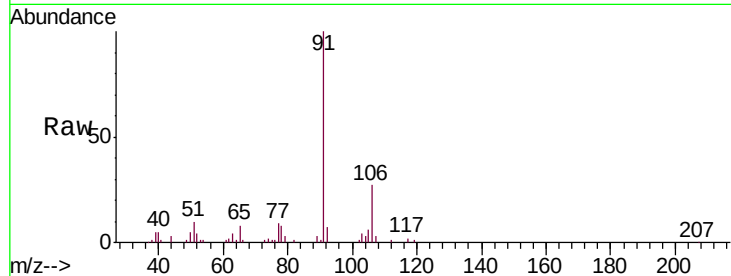
VSTD0.504

Tgt Ion: 91 Resp: 57078

Ion Ratio Lower Upper

91 100

106 26.8 21.3 39.6



#53

m,p-Xylene

Concen: 0.431 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU031458.D

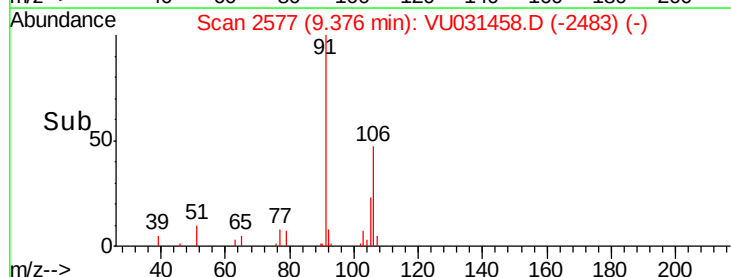
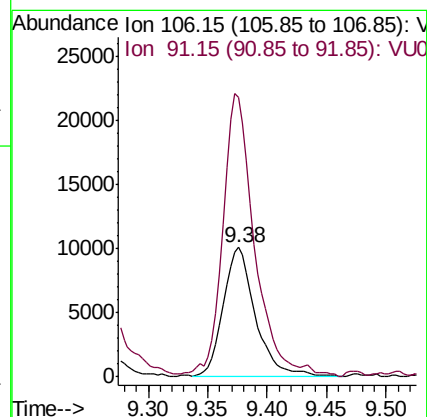
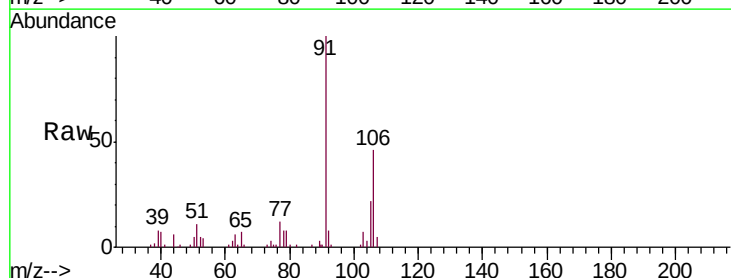
Acq: 24 Apr 2019 09:55

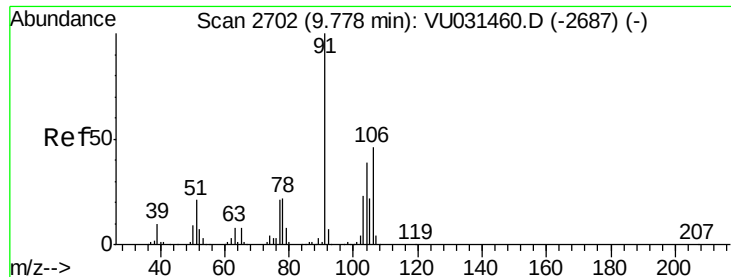
Tgt Ion: 106 Resp: 19115

Ion Ratio Lower Upper

106 100

91 215.2 147.8 274.4

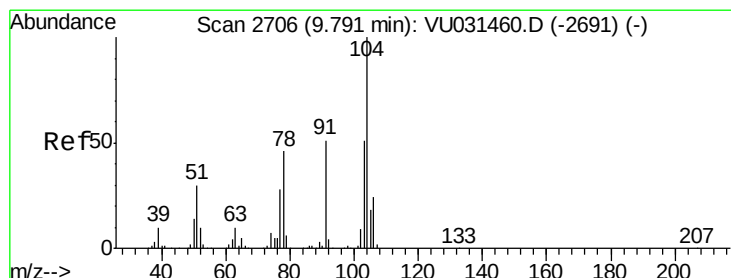
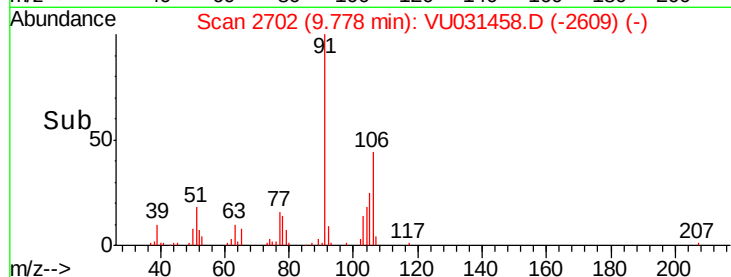
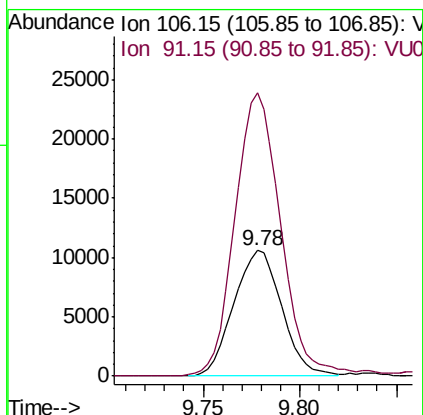
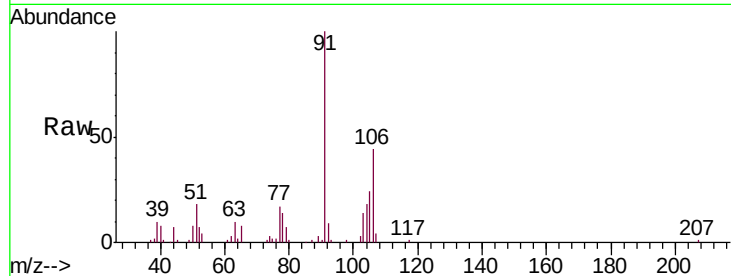




#54
o-Xylene
Concen: 0.417 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031458.D
Acq: 24 Apr 2019 09:55

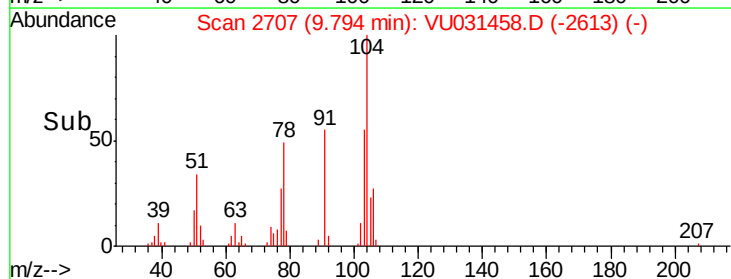
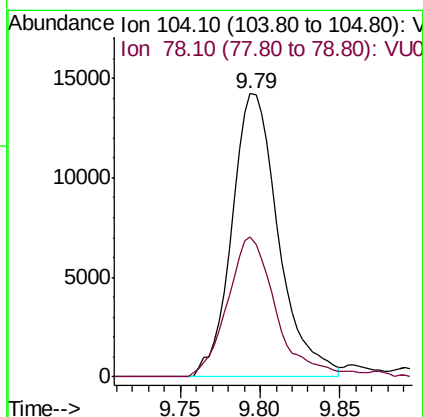
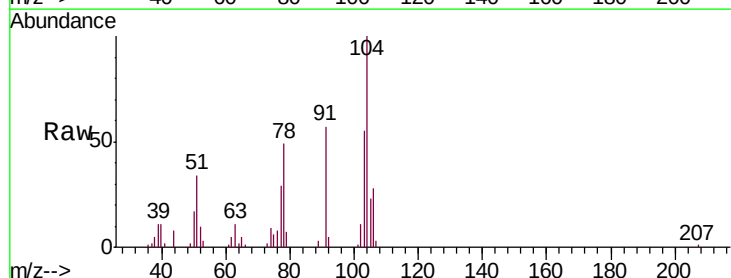
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

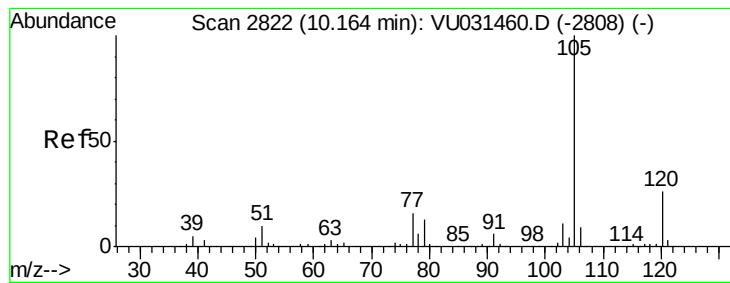
Tgt Ion:106 Resp: 18285
Ion Ratio Lower Upper
106 100
91 225.6 152.7 283.7



#55
Styrene
Concen: 0.389 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU031458.D
Acq: 24 Apr 2019 09:55

Tgt Ion:104 Resp: 28335
Ion Ratio Lower Upper
104 100
78 49.3 32.1 59.5





#56

Isopropylbenzene

Concen: 0.428 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

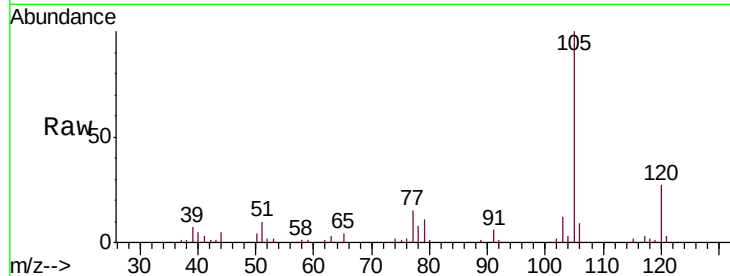
Tgt Ion: 105 Resp: 49171

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

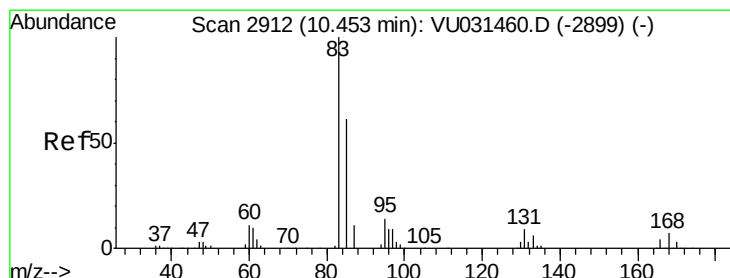
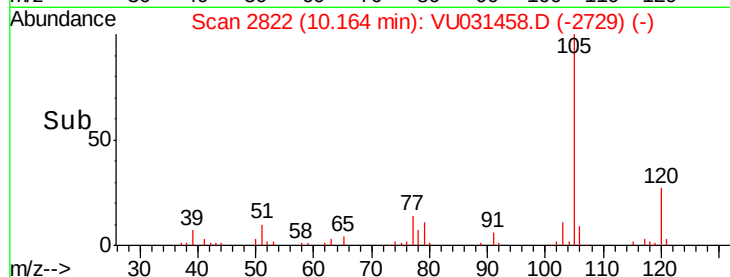
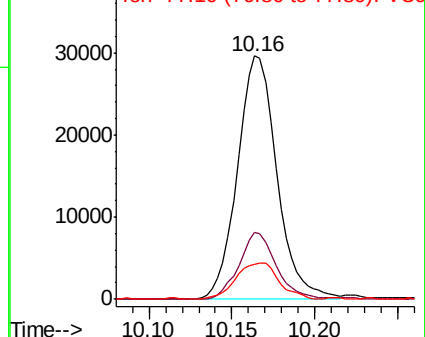
77 16.4 13.2 19.8



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: 0.440 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

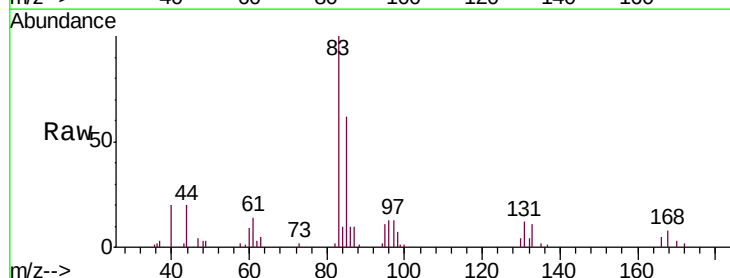
Tgt Ion: 83 Resp: 12526

Ion Ratio Lower Upper

83 100

85 61.8 42.8 79.4

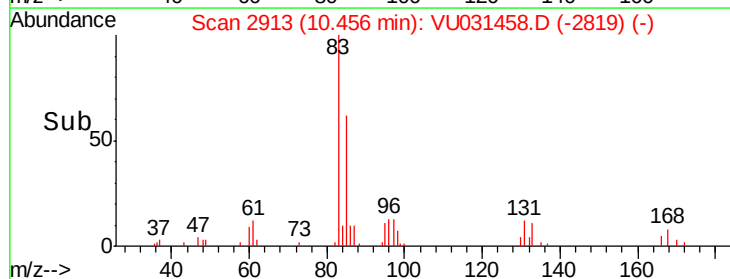
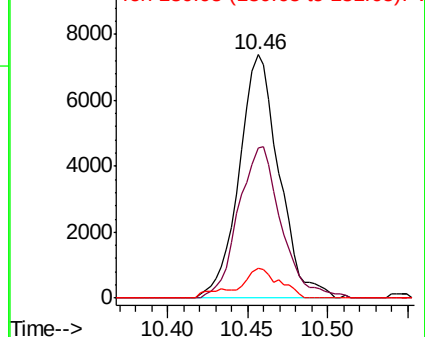
131 12.3 7.0 10.4#

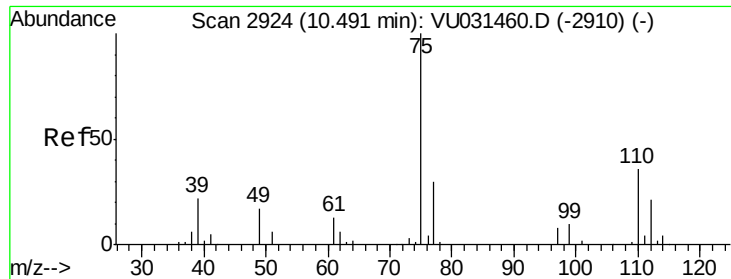


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.449 ug/L

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

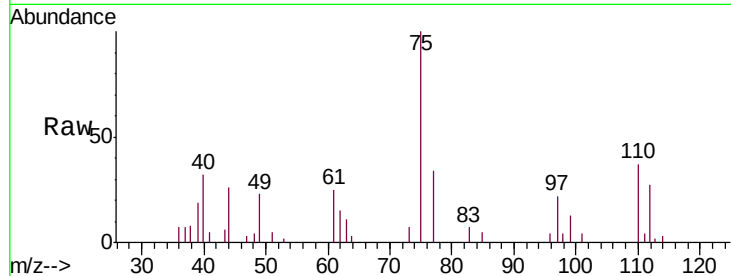
VSTD0.504

Tgt Ion: 75 Resp: 9184

Ion Ratio Lower Upper

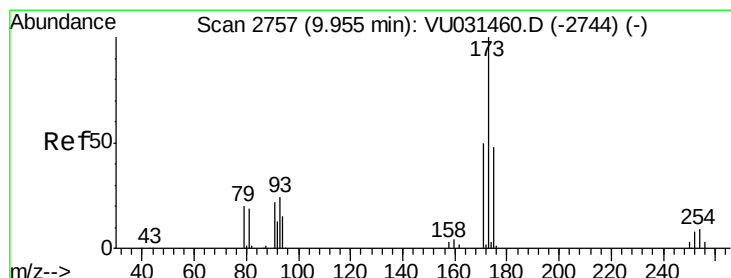
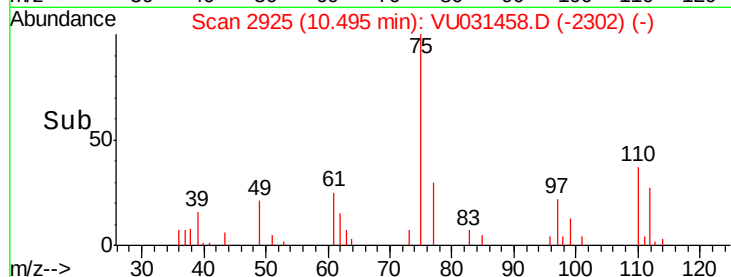
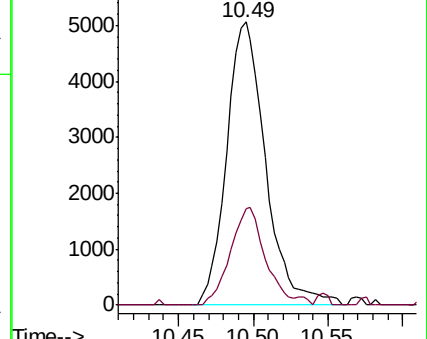
75 100

77 30.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU031460.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU031460.D (-2910) (-)



#61

Bromoform

Concen: 0.400 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

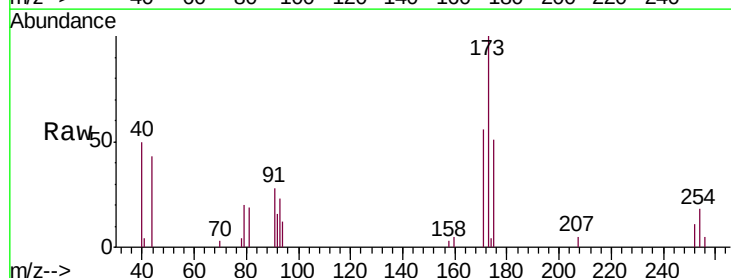
Tgt Ion: 173 Resp: 5751

Ion Ratio Lower Upper

173 100

175 49.8 39.9 59.9

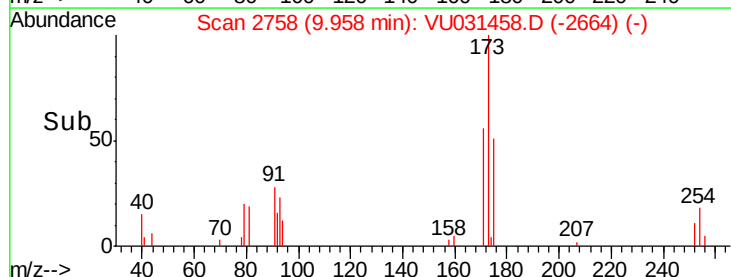
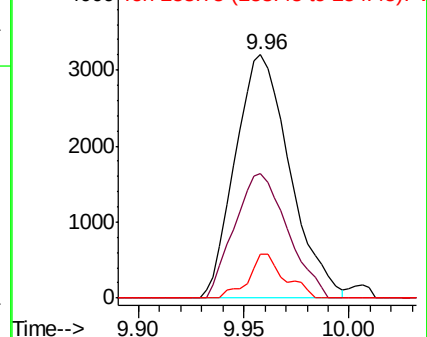
254 11.8 7.1 10.7#

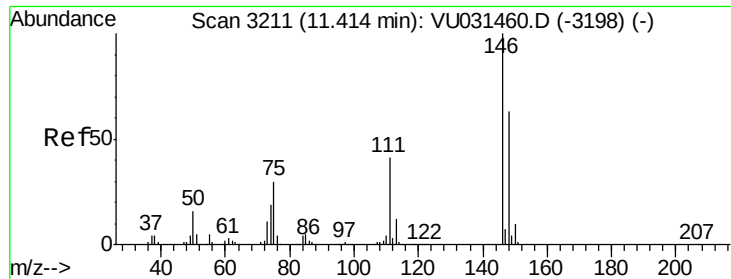


Abundance Ion 172.90 (172.60 to 173.60): VU031460.D (-2744) (-)

Ion 174.90 (174.60 to 175.60): VU031460.D (-2744) (-)

Ion 253.75 (253.45 to 254.45): VU031460.D (-2744) (-)





#62

1,3-Dichlorobenzene

Concen: 0.449 ug/L

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

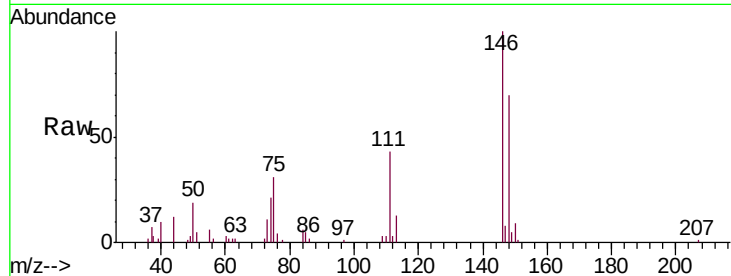
Tgt Ion:146 Resp: 22335

Ion Ratio Lower Upper

146 100

111 43.3 28.5 52.9

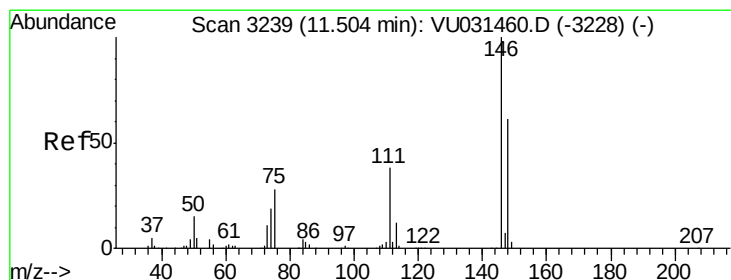
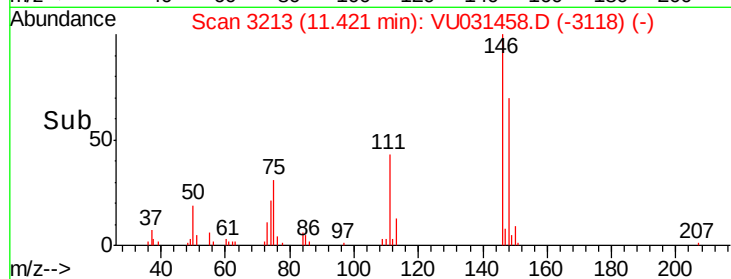
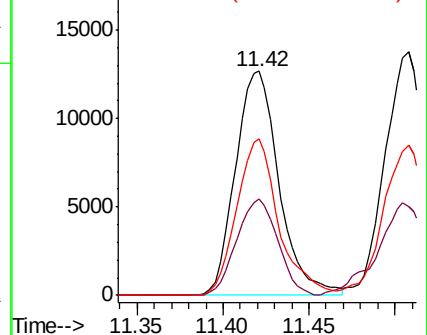
148 70.0 43.8 81.4



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: 0.487 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

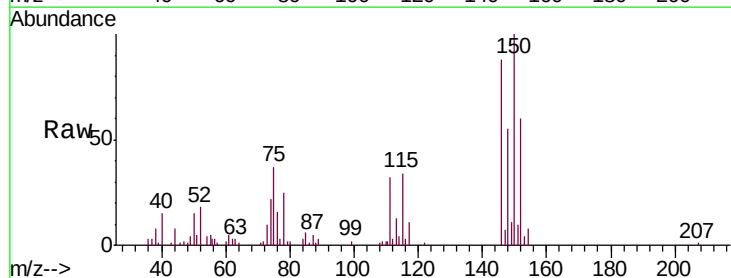
Tgt Ion:146 Resp: 24398

Ion Ratio Lower Upper

146 100

111 36.7 26.7 49.5

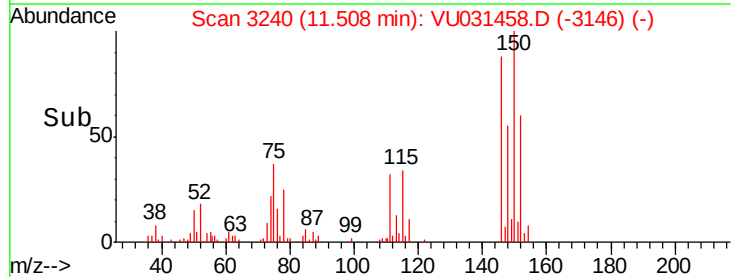
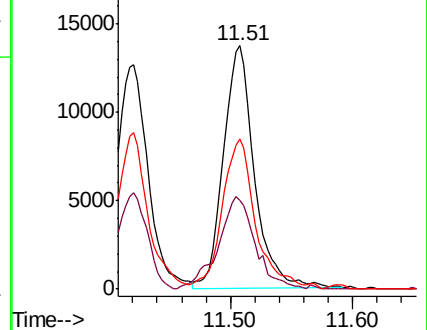
148 61.6 43.3 80.3

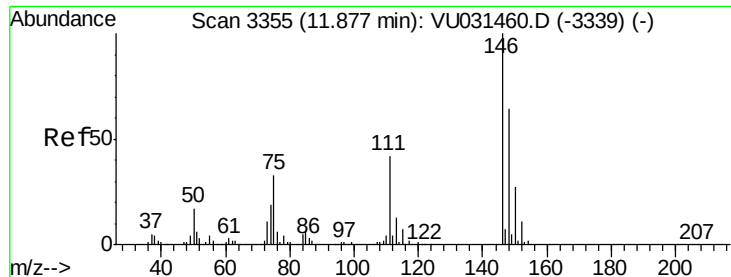


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.450 ug/L

RT: 11.88 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

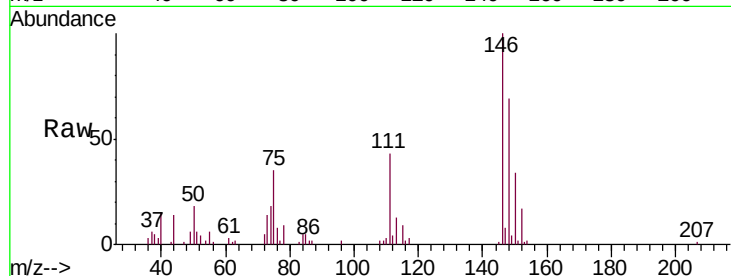
Tgt Ion:146 Resp: 22511

Ion Ratio Lower Upper

146 100

111 43.1 34.0 51.0

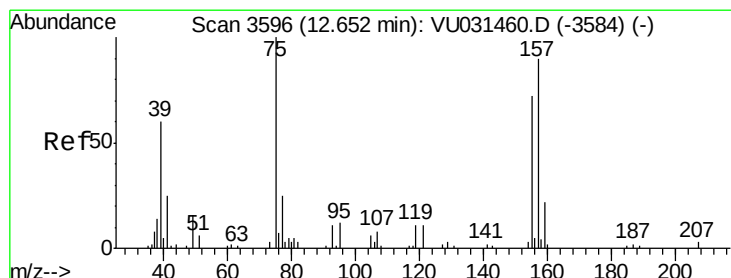
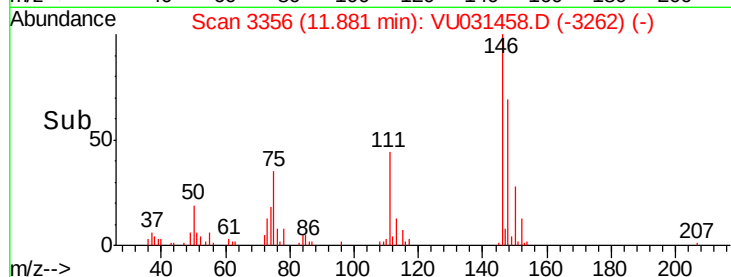
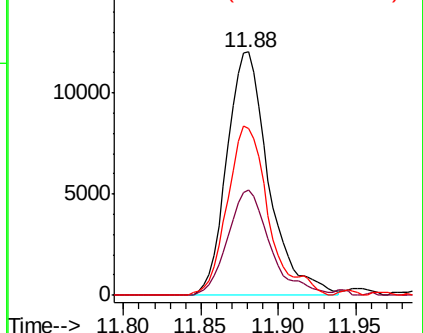
148 68.7 50.9 76.3



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: 0.467 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

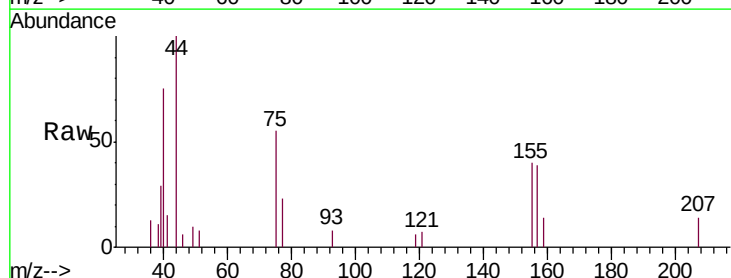
Tgt Ion: 75 Resp: 1915

Ion Ratio Lower Upper

75 100

155 72.9 57.2 85.8

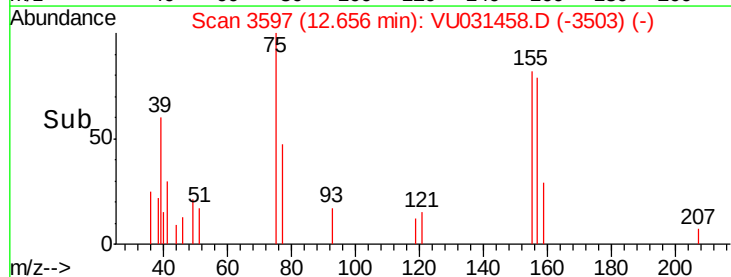
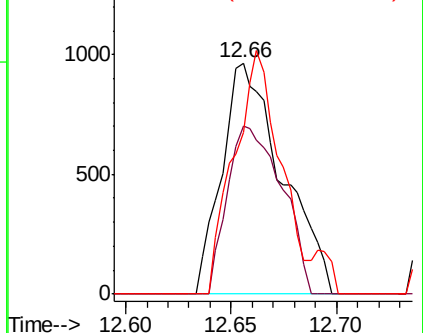
157 70.1 71.9 107.9#

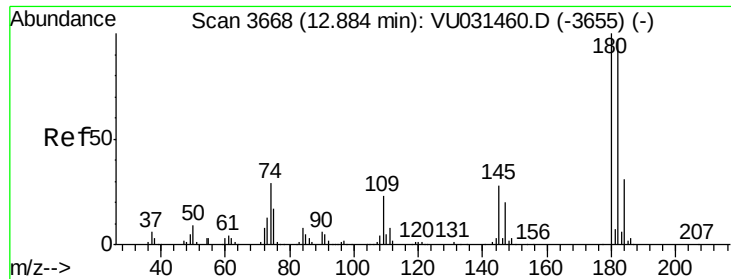


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

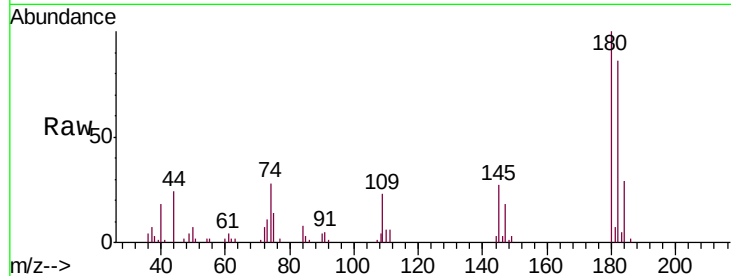




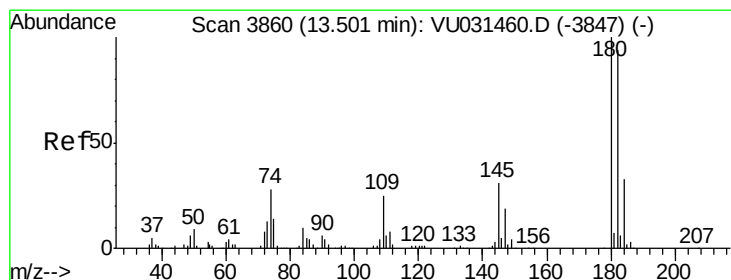
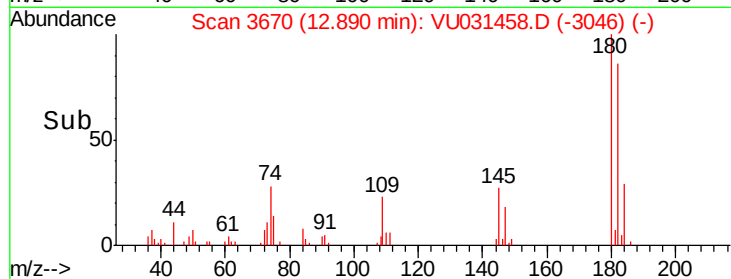
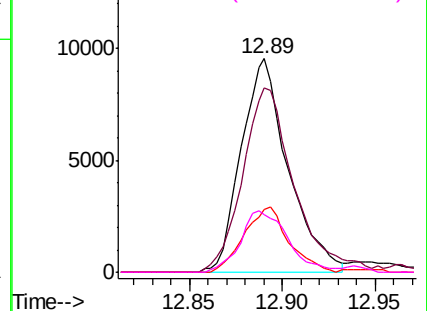
#67
 1,3,5-Trichlorobenzene
 Concen: 0.415 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU031458.D
 Acq: 24 Apr 2019 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion:	180	Resp:	16809
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.8	116.6
184	29.0	24.6	36.8
145	29.2	23.8	35.8

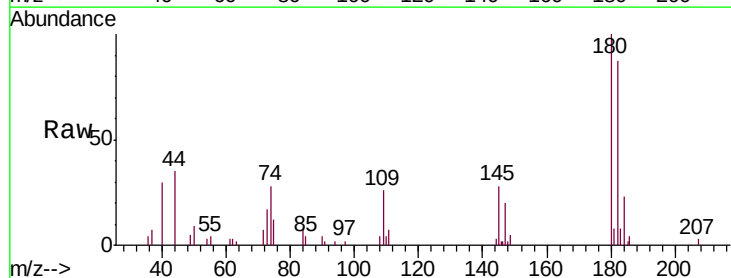


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

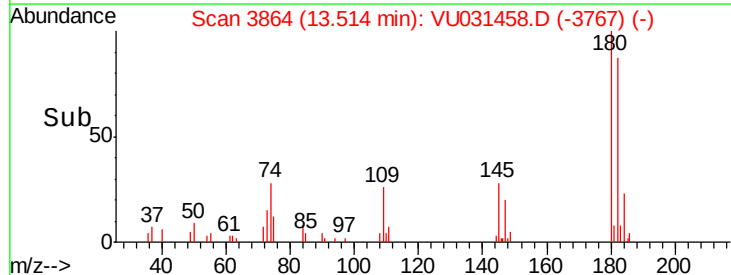
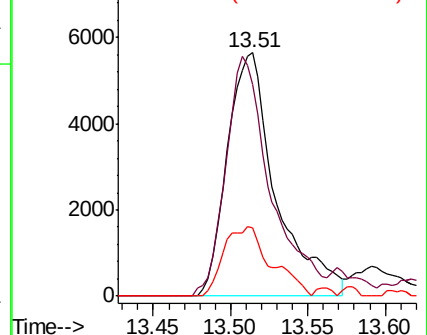


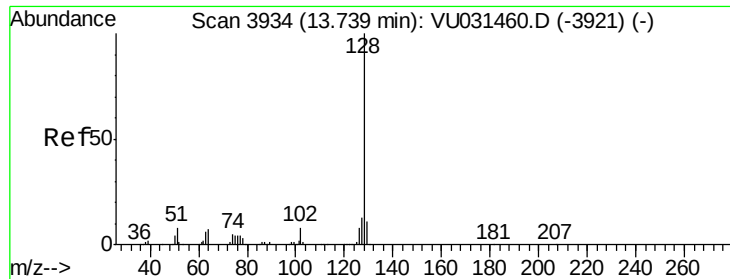
#68
 1,2,4-trichlorobenzene
 Concen: 0.422 ug/L
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.01 min
 Lab File: VU031458.D
 Acq: 24 Apr 2019 09:55

Tgt Ion:	180	Resp:	12338
Ion	Ratio	Lower	Upper
180	100		
182	90.9	76.9	115.3
145	27.7	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: 0.441 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

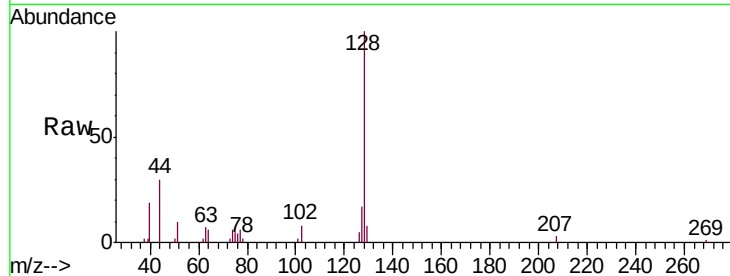
Tgt Ion:128 Resp: 26100

Ion Ratio Lower Upper

128 100

129 5.5 8.0 12.0#

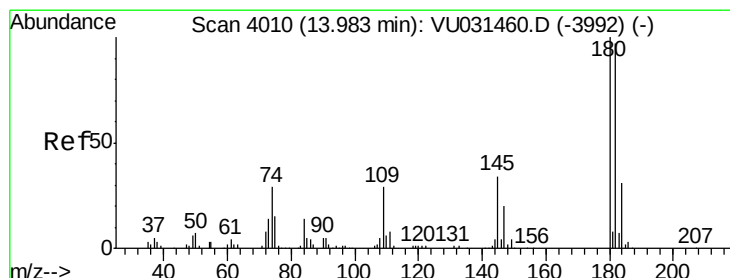
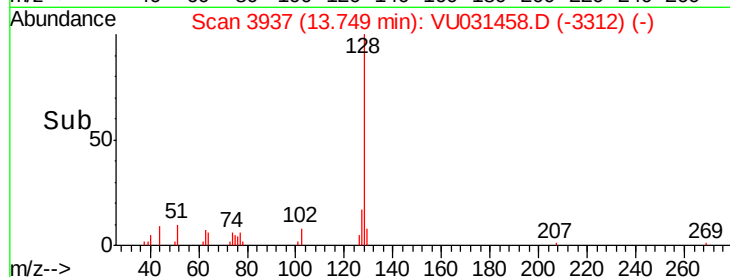
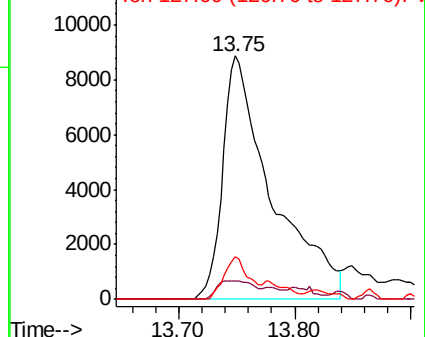
127 8.4 10.5 15.7#



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: 0.431 ug/L

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU031458.D

Acq: 24 Apr 2019 09:55

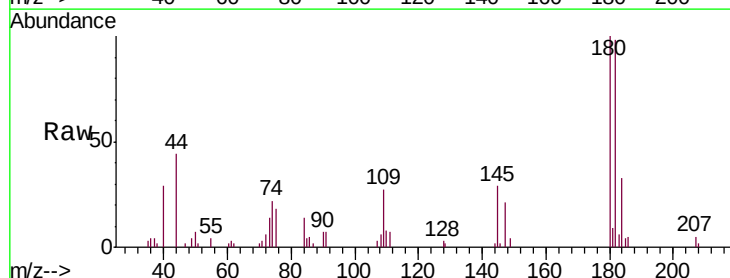
Tgt Ion:180 Resp: 12565

Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

145 33.8 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

