

Data File : VU031464.D
Acq On : 24 Apr 2019 12:21
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Quant Time: Apr 25 06:04:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:01:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	375679	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	352104	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	159471	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	152836	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.68	69	117476	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.27	63	284069	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.40%
20) 2-Butanone-d5	4.21	46	434183	53.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.68%
24) Chloroform-d	4.64	84	242734	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.31	65	129210	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.33	84	486452	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.33	67	161598	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.56	98	438340	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	7.85	79	62075	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.31	63	325859	54.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	132394	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	150134	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	163816	5.082 ug/L	99
3) Chloromethane	1.32	50	199019	5.011 ug/L	100
5) Vinyl chloride	1.40	62	200510	5.115 ug/L	97
6) Bromomethane	1.63	94	105318	5.232 ug/L	99
8) Chloroethane	1.70	64	113204	5.102 ug/L	100
9) Trichlorofluoromethane	1.88	101	228709	5.066 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	132253	5.065 ug/L	99
12) 1,1-Dichloroethene	2.28	96	128523	4.923 ug/L	98
13) Acetone	2.35	43	284695	49.687 ug/L	97
14) Carbon disulfide	2.47	76	438480	5.052 ug/L	99
15) Methyl Acetate	2.63	43	79113	5.000 ug/L	98
16) Methylene chloride	2.70	84	145802	4.939 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	368773	5.004 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	139500	5.075 ug/L	98
19) 1,1-Dichloroethane	3.44	63	263370	5.036 ug/L	99
21) 2-Butanone	4.30	43	466415	53.538 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	142683	5.016 ug/L	98

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Instrument :
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ClientSampleId :
VSTD00519

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:01:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	62025	5.070	ug/L	98
25) Chloroform	4.67	83	247072	5.093	ug/L	99
27) 1,2-Dichloroethane	5.40	62	161294	5.060	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	204451	5.076	ug/L	99
30) Cyclohexane	4.98	56	248122	5.117	ug/L	99
31) Carbon tetrachloride	5.13	117	174067	5.024	ug/L	98
33) Benzene	5.38	78	564252	5.186	ug/L	100
34) Trichloroethene	6.18	95	141051	4.919	ug/L	98
35) Methylcyclohexane	6.41	83	219206	5.166	ug/L	99
37) 1,2-Dichloropropane	6.43	63	148657	5.098	ug/L	100
38) Bromodichloromethane	6.76	83	175045	5.131	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	208646	5.148	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1046661	52.459	ug/L	99
42) Toluene	7.63	91	573087	5.247	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	165113	5.266	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	100549	5.061	ug/L	93
47) Tetrachloroethene	8.22	164	102606	5.121	ug/L	98
48) 2-Hexanone	8.36	43	761604	54.419	ug/L	99
49) Dibromochloromethane	8.47	129	116285	5.222	ug/L	95
50) 1,2-Dibromoethane	8.58	107	97139	5.093	ug/L #	95
51) Chlorobenzene	9.12	112	343527	5.185	ug/L	96
52) Ethylbenzene	9.25	91	598340	5.146	ug/L	100
53) m,p-Xylene	9.37	106	218198	5.270	ug/L	97
54) o-Xylene	9.77	106	214304	5.243	ug/L	97
55) Styrene	9.79	104	371505	5.494	ug/L	97
56) Isopropylbenzene	10.16	105	572731	5.303	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	129189	5.110	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	97162	5.290	ug/L	99
61) Bromoform	9.95	173	66859	5.329	ug/L	95
62) 1,3-Dichlorobenzene	11.41	146	242655	5.140	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	247970	5.043	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	243396	5.199	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	21746	5.553	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	187623	5.231	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	147392	5.216	ug/L	96
69) Naphthalene	13.74	128	298701	5.408	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	151637	5.437	ug/L	98

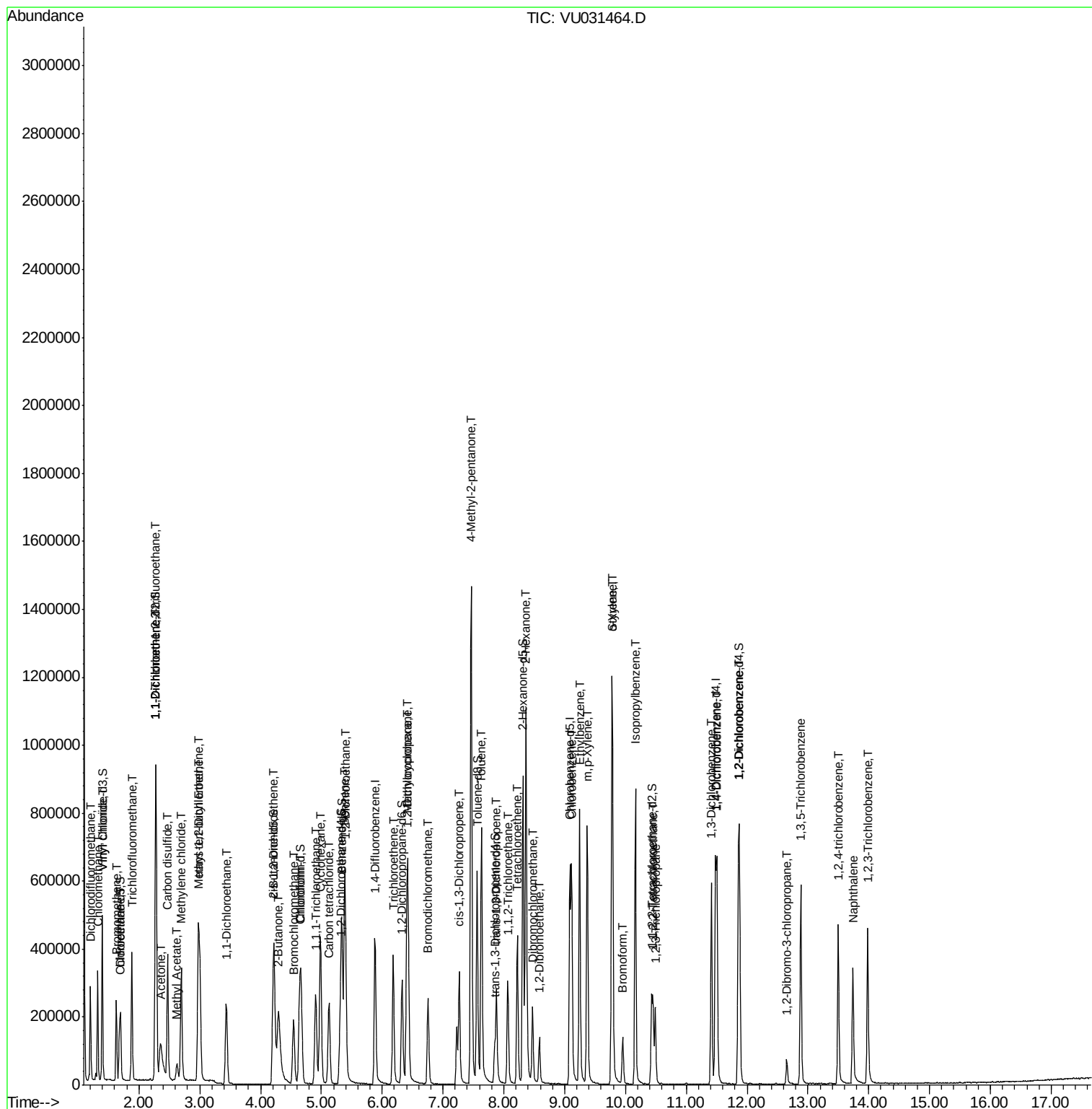
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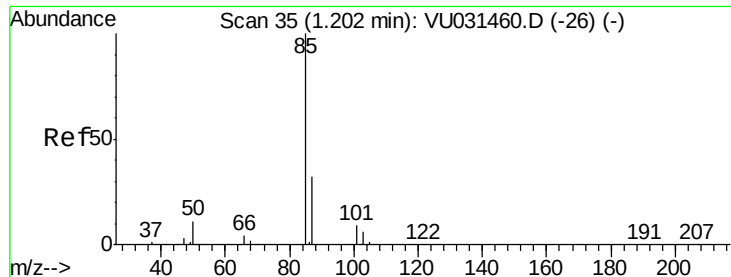
Data File : VU031464.D

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Acq On       : 24 Apr 2019   12:21
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ClientSampleId :
VSTD00519

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#2

Dichlorodifluoromethane

Concen: 5.082 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

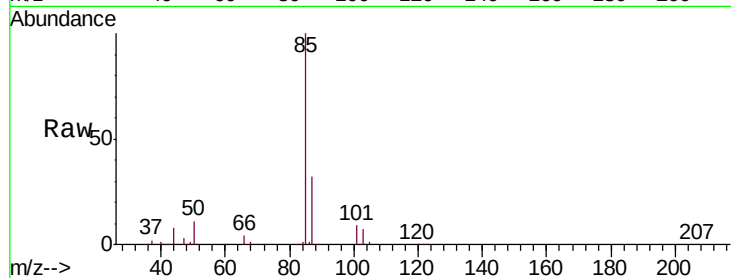
VSTD00519

Tgt Ion: 85 Resp: 163816

Ion Ratio Lower Upper

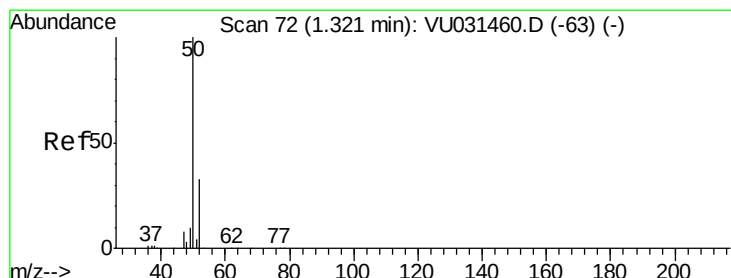
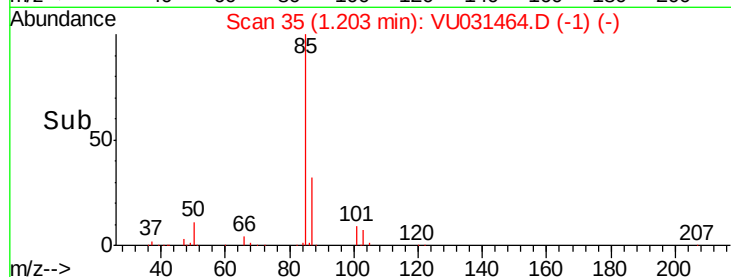
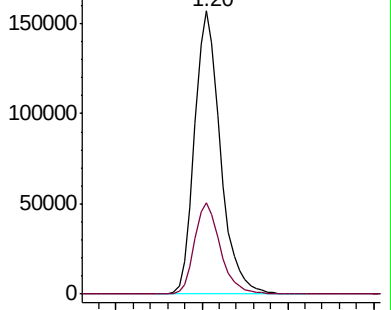
85 100

87 32.3 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: 5.011 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031464.D

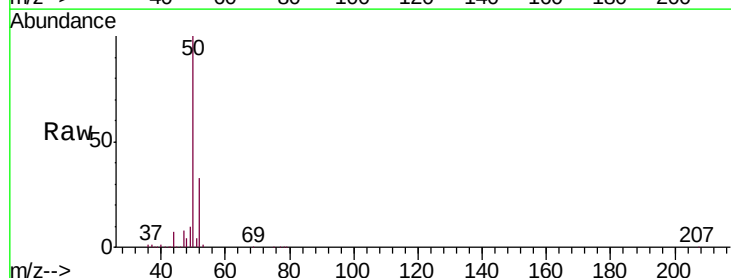
Acq: 24 Apr 2019 12:21

Tgt Ion: 50 Resp: 199019

Ion Ratio Lower Upper

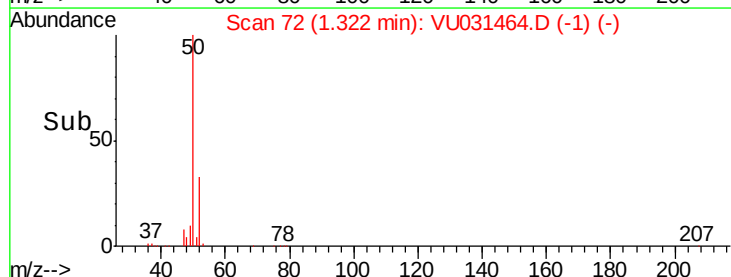
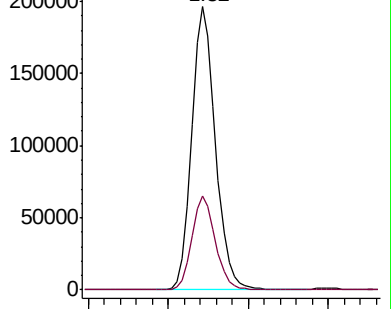
50 100

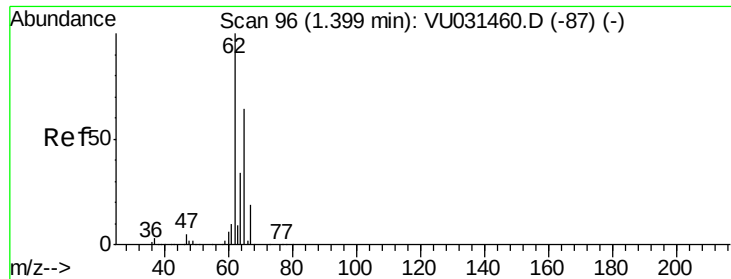
52 33.0 23.0 42.8



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: 5.115 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

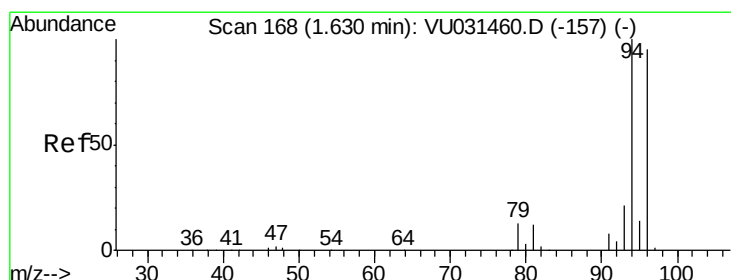
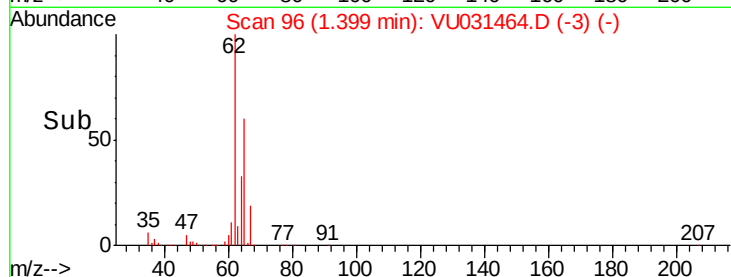
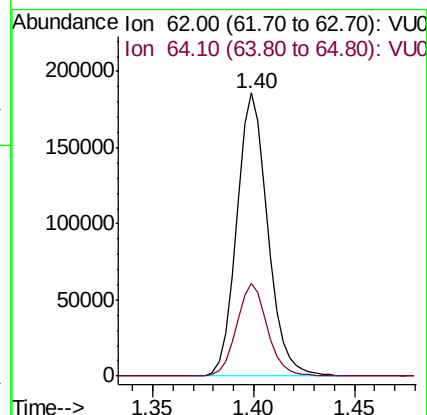
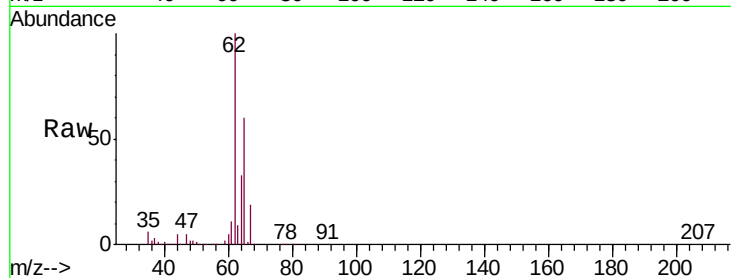
VSTD00519

Tgt Ion: 62 Resp: 200510

Ion Ratio Lower Upper

62 100

64 32.6 23.9 44.5



#6

Bromomethane

Concen: 5.232 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031464.D

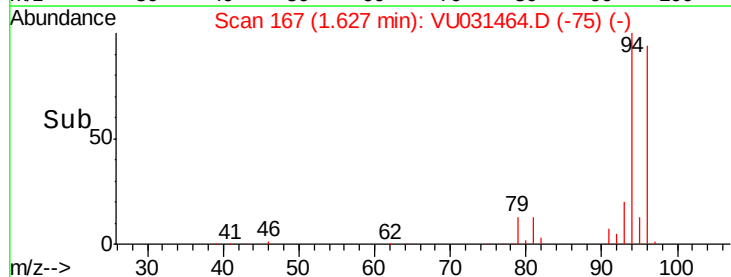
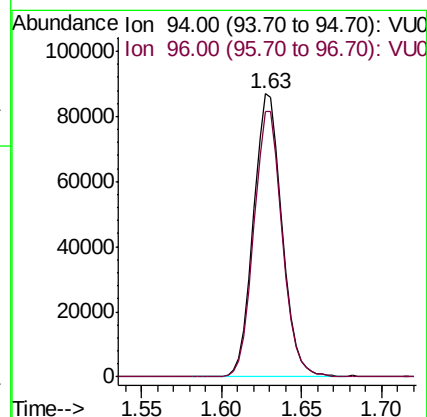
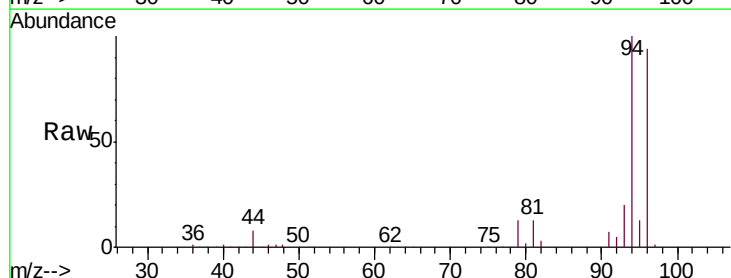
Acq: 24 Apr 2019 12:21

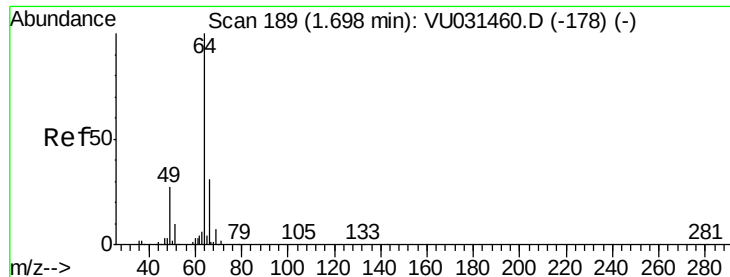
Tgt Ion: 94 Resp: 105318

Ion Ratio Lower Upper

94 100

96 93.8 66.3 123.1





#8

Chloroethane

Concen: 5.102 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

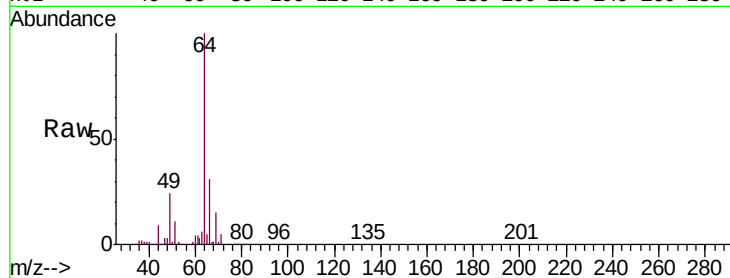
VSTD00519

Tgt Ion: 64 Resp: 113204

Ion Ratio Lower Upper

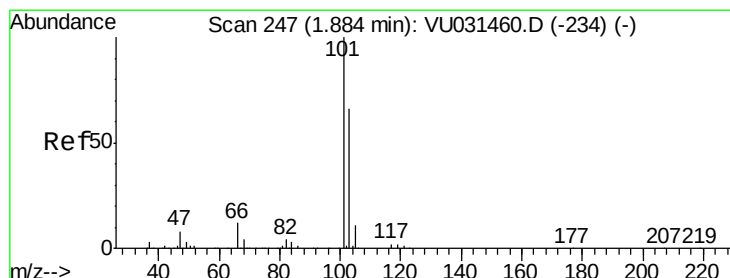
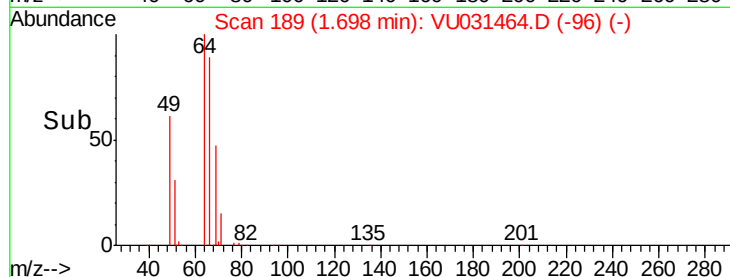
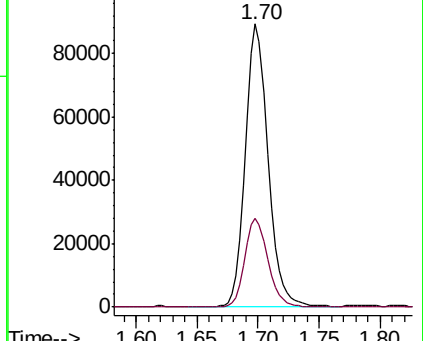
64 100

66 31.5 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) (-)



#9

Trichlorofluoromethane

Concen: 5.066 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031464.D

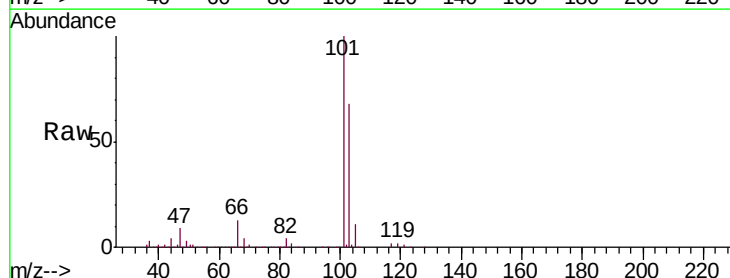
Acq: 24 Apr 2019 12:21

Tgt Ion: 101 Resp: 228709

Ion Ratio Lower Upper

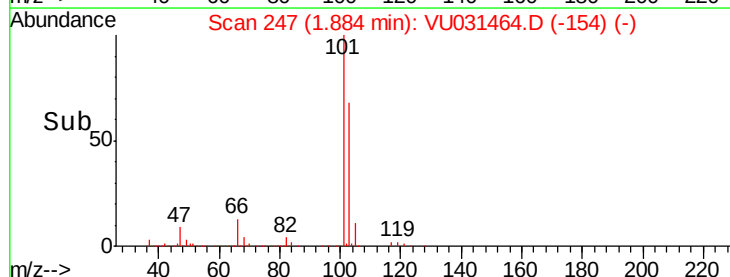
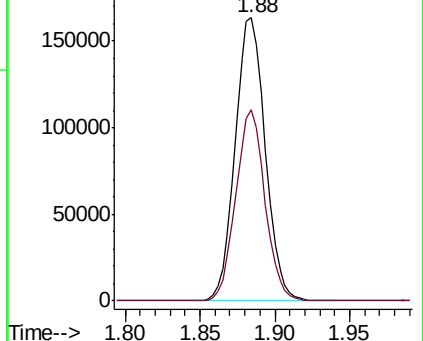
101 100

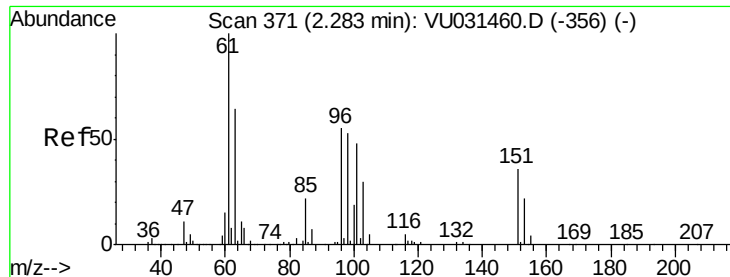
103 65.5 52.7 79.1



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

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





#10

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

Concen: 5.065 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

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ClientSampleId :

VSTD00519

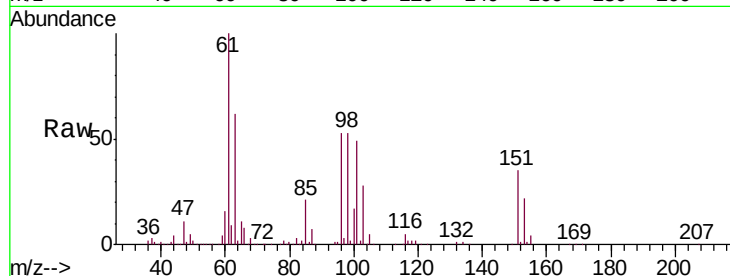
Tgt Ion: 101 Resp: 132253

Ion Ratio Lower Upper

101 100

85 43.9 35.8 53.6

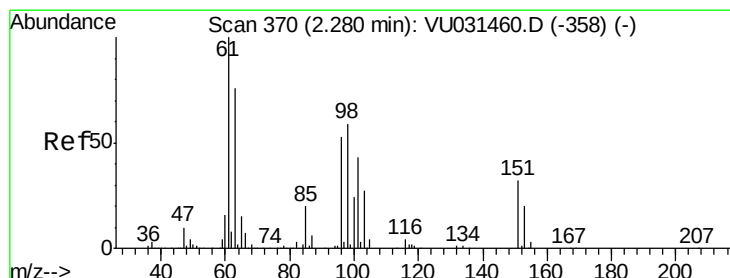
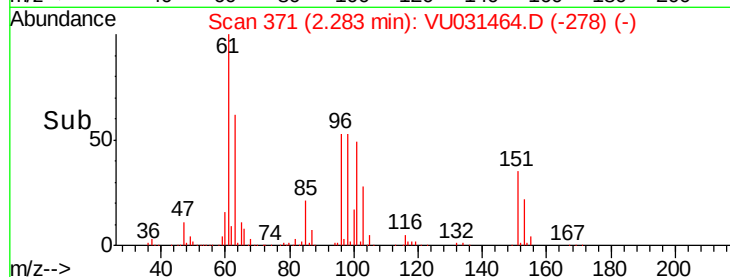
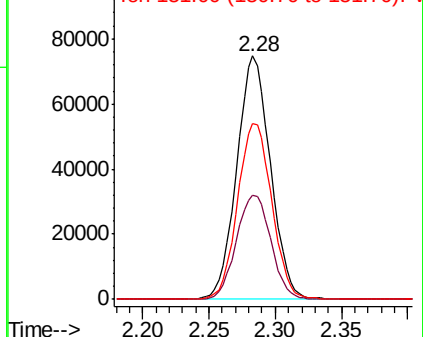
151 73.3 59.2 88.8



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: 4.923 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

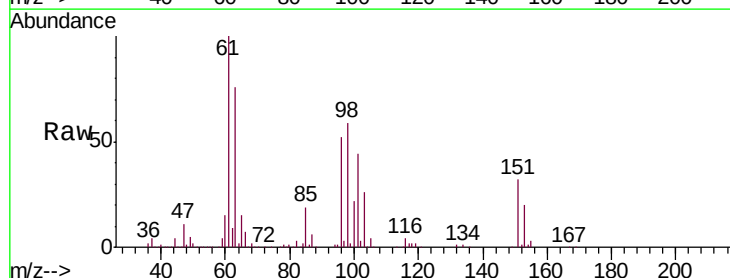
Tgt Ion: 96 Resp: 128523

Ion Ratio Lower Upper

96 100

61 192.7 131.3 243.8

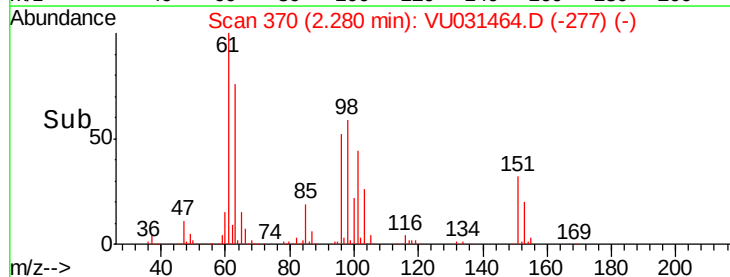
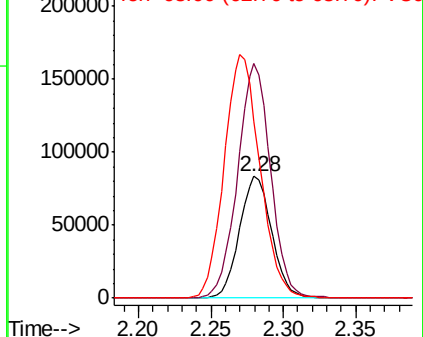
63 145.7 101.9 189.3

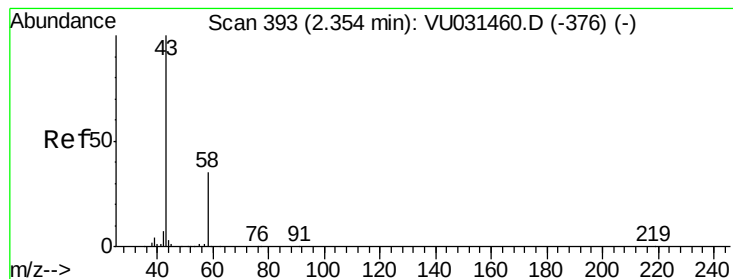


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.687 ug/L

RT: 2.35 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

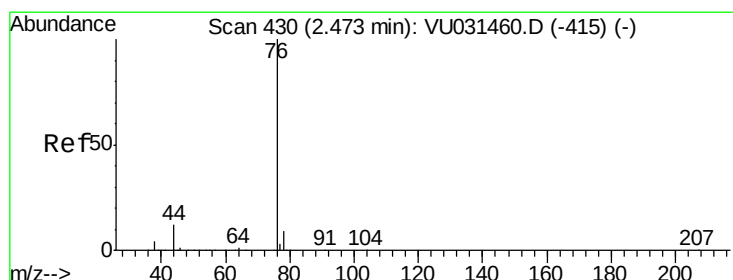
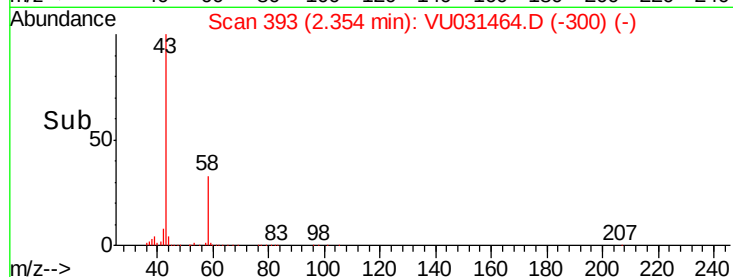
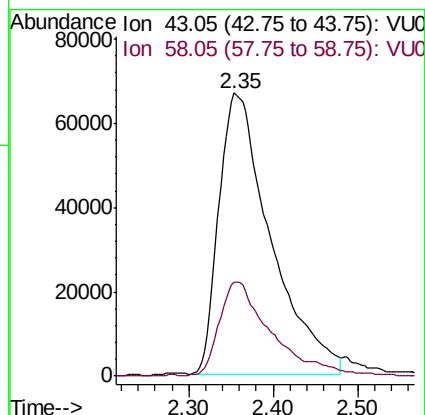
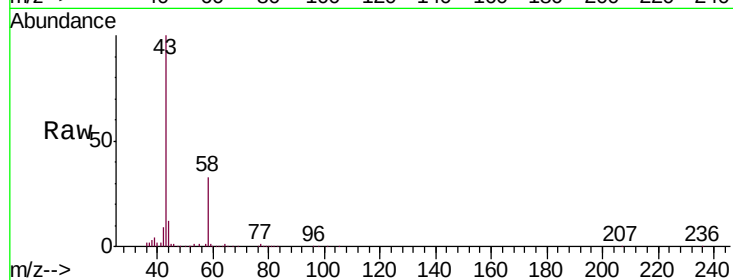
VSTD00519

Tgt Ion: 43 Resp: 284695

Ion Ratio Lower Upper

43 100

58 32.7 0.0 62.4



#14

Carbon disulfide

Concen: 5.052 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031464.D

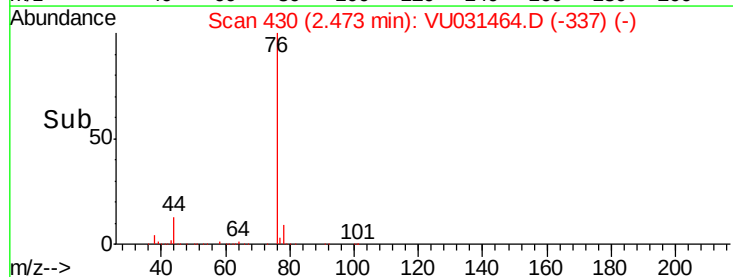
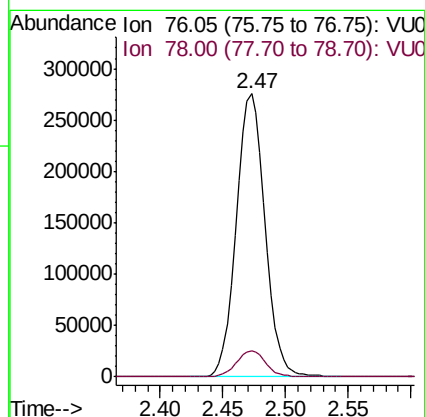
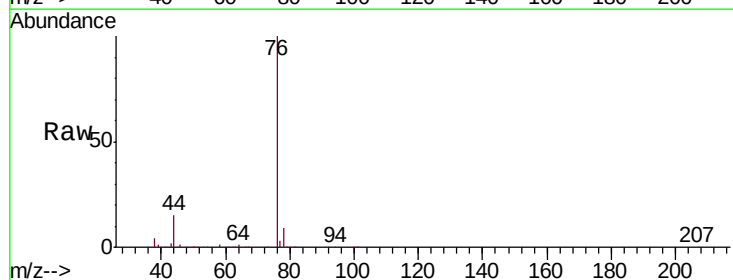
Acq: 24 Apr 2019 12:21

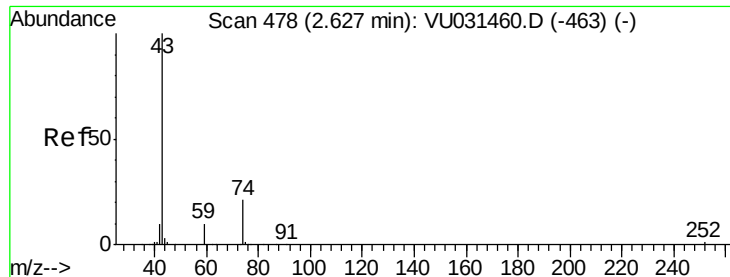
Tgt Ion: 76 Resp: 438480

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

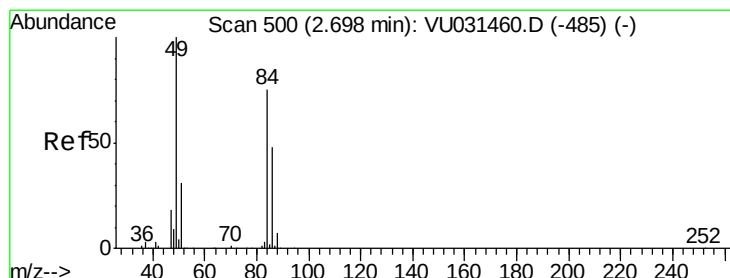
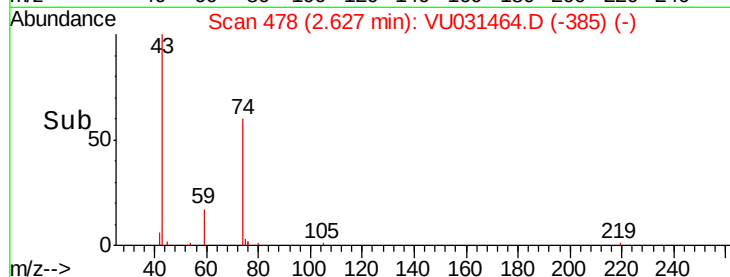
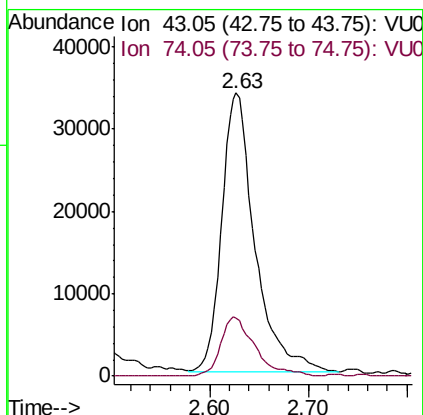
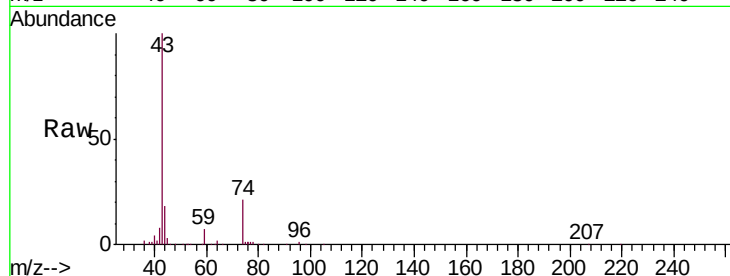




#15
Methyl Acetate
Concen: 5.000 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

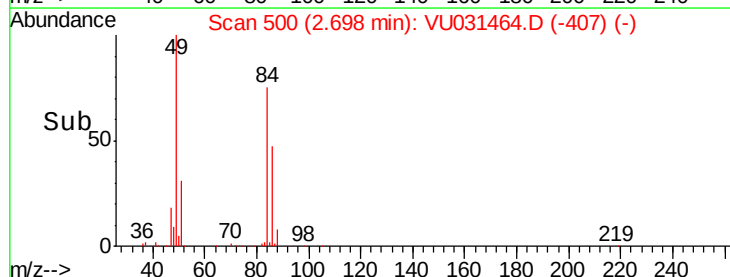
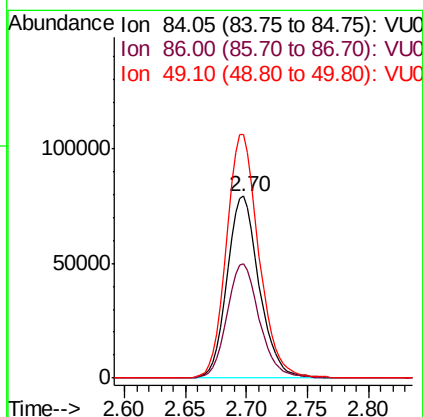
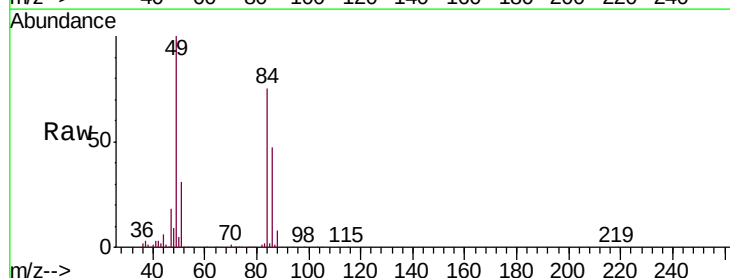
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

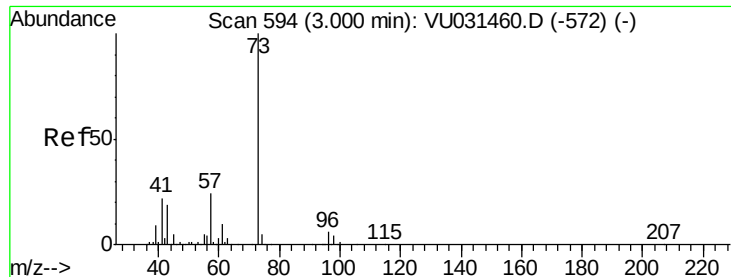
Tgt Ion: 43 Resp: 79113
Ion Ratio Lower Upper
43 100
74 22.3 17.1 25.7



#16
Methylene chloride
Concen: 4.939 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

Tgt Ion: 84 Resp: 145802
Ion Ratio Lower Upper
84 100
86 63.2 44.9 83.5
49 134.0 92.9 172.5





#17

Methyl tert-butyl Ether

Concen: 5.004 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

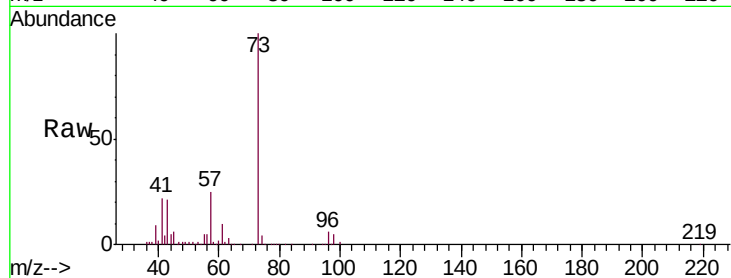
Tgt Ion: 73 Resp: 368773

Ion Ratio Lower Upper

73 100

43 19.9 15.4 23.0

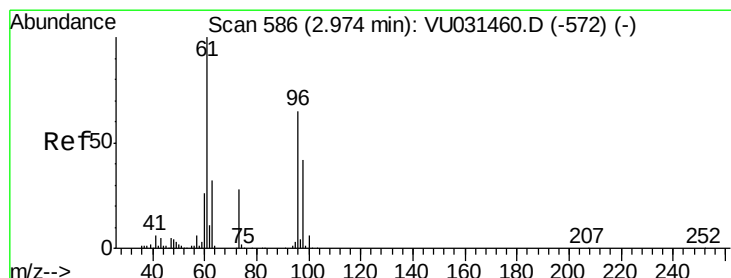
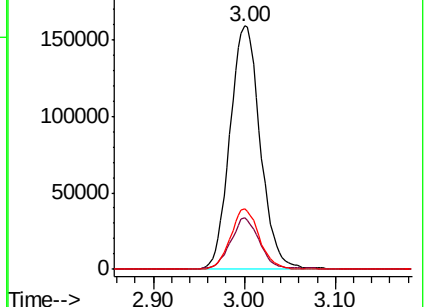
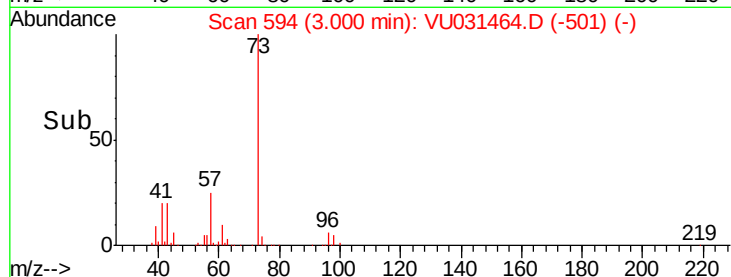
57 23.6 19.1 28.7



Abundance Ion 73.10 (72.80 to 73.80): VU031464.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU031464.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU031464.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.075 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

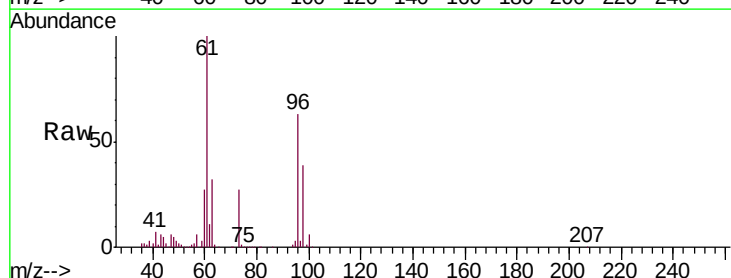
Tgt Ion: 96 Resp: 139500

Ion Ratio Lower Upper

96 100

61 157.6 108.4 201.2

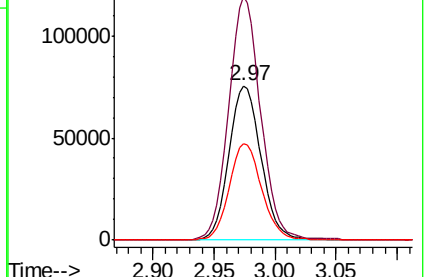
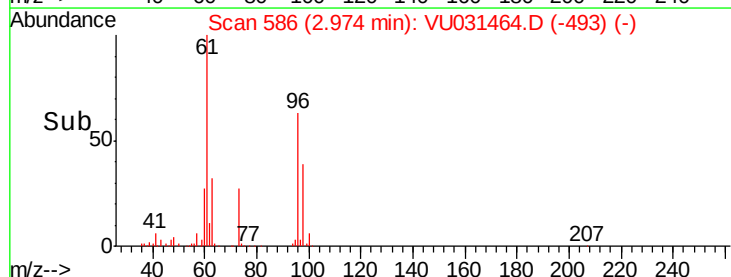
98 62.1 45.1 83.9

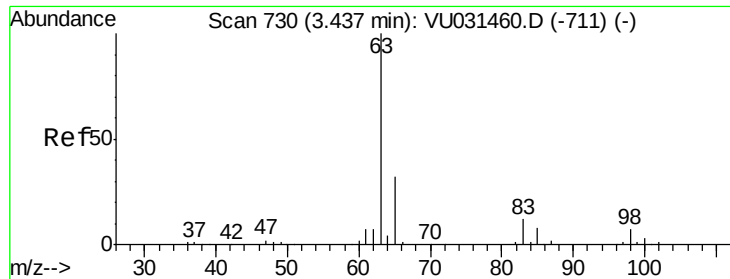


Abundance Ion 96.00 (95.70 to 96.70): VU031464.D (-493) (-)

Ion 61.05 (60.75 to 61.75): VU031464.D (-493) (-)

Ion 97.95 (97.65 to 98.65): VU031464.D (-493) (-)

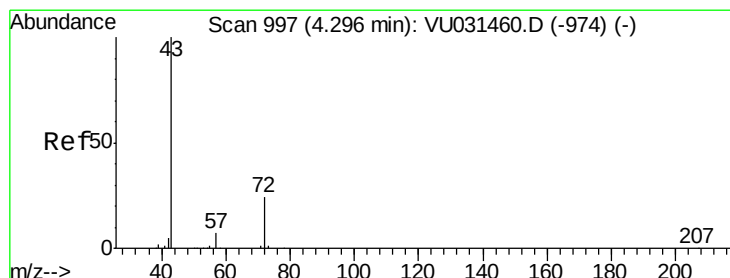
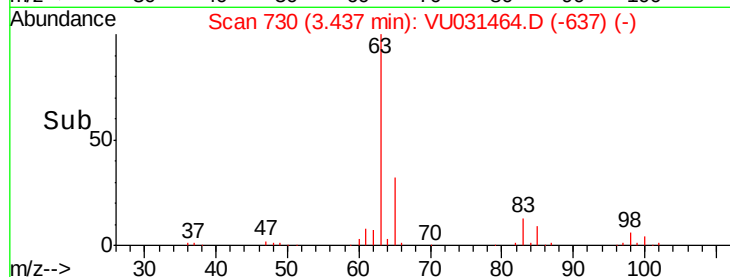
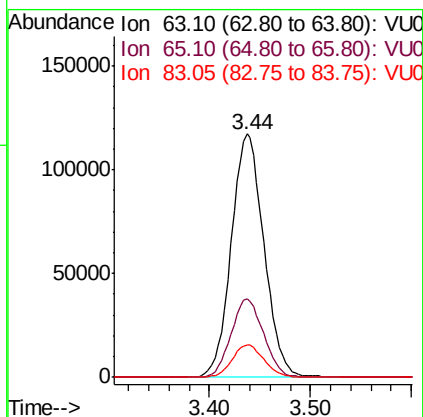
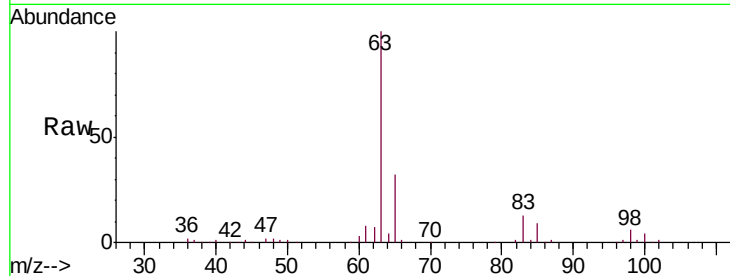




#19
 1,1-Dichloroethane
 Concen: 5.036 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

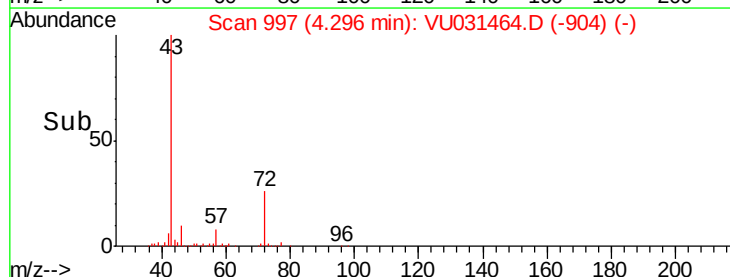
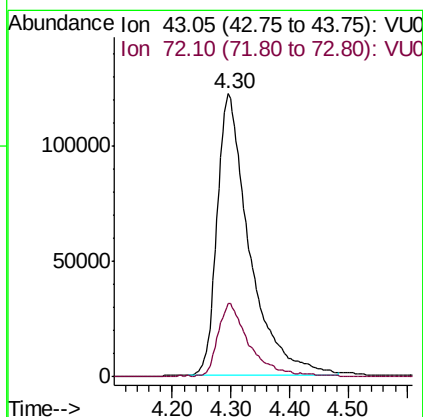
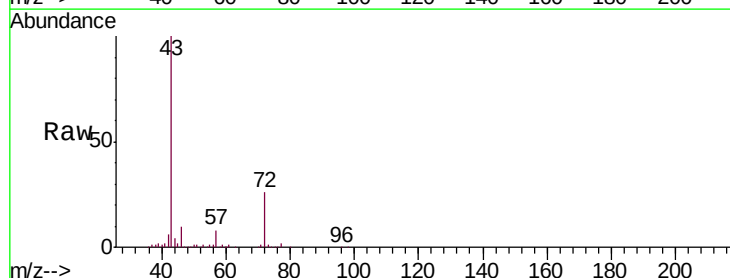
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

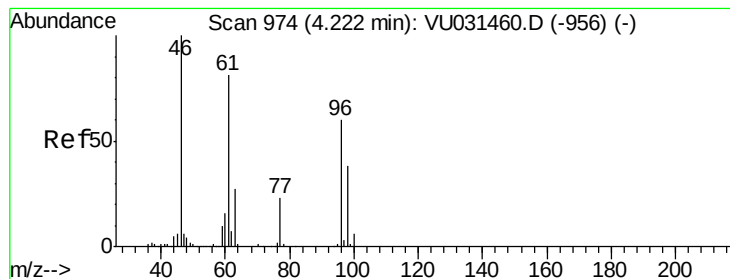
Tgt Ion: 63 Resp: 263370
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.3 41.5
 83 13.2 8.5 15.9



#21
 2-Butanone
 Concen: 53.538 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Tgt Ion: 43 Resp: 466415
 Ion Ratio Lower Upper
 43 100
 72 24.3 11.7 35.0



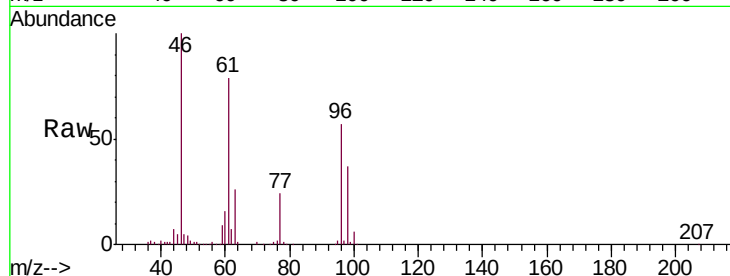


#22

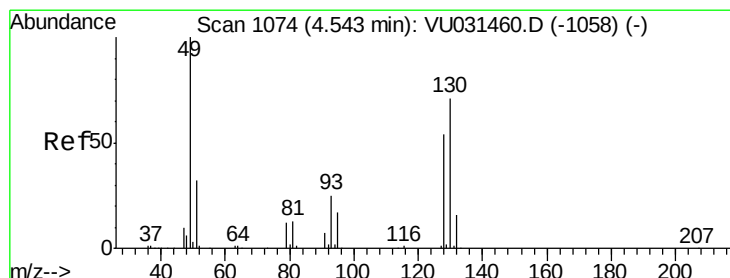
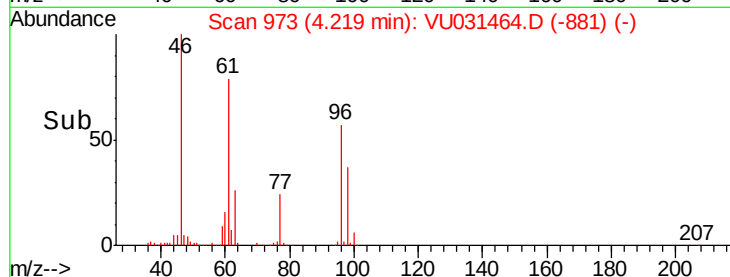
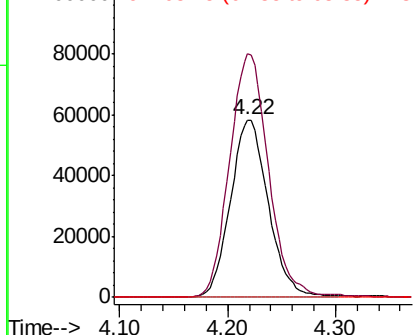
cis-1,2-Dichloroethene
 Concen: 5.016 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion: 96 Resp: 142683
 Ion Ratio Lower Upper
 96 100
 61 137.3 94.8 176.2
 68 0.0 0.0 0.0



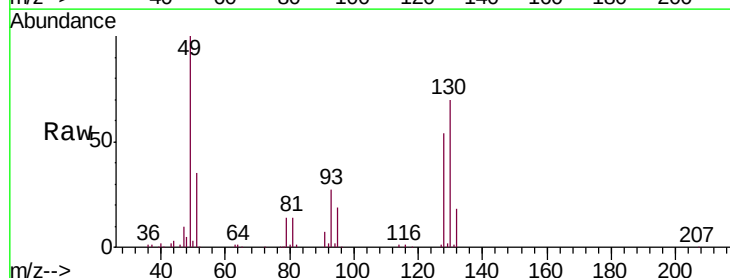
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



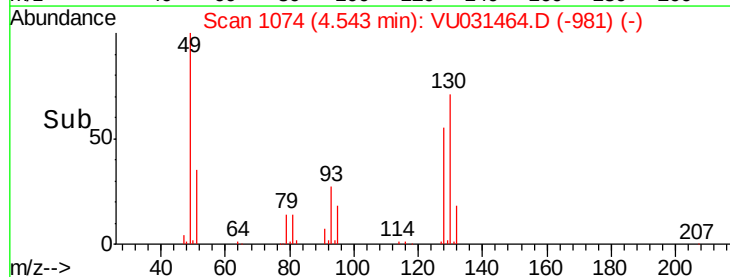
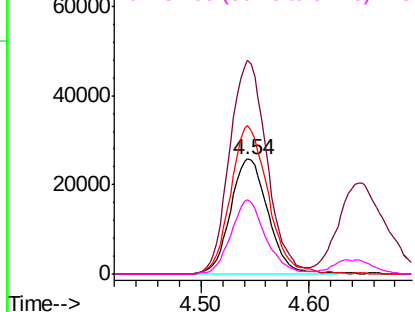
#23

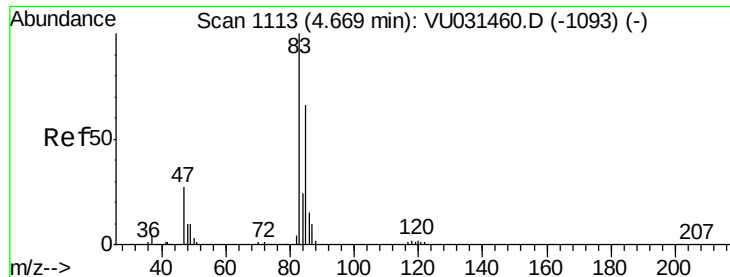
Bromochloromethane
 Concen: 5.070 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Tgt Ion: 128 Resp: 62025
 Ion Ratio Lower Upper
 128 100
 49 185.9 128.9 239.3
 130 129.3 91.2 169.4
 51 64.8 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

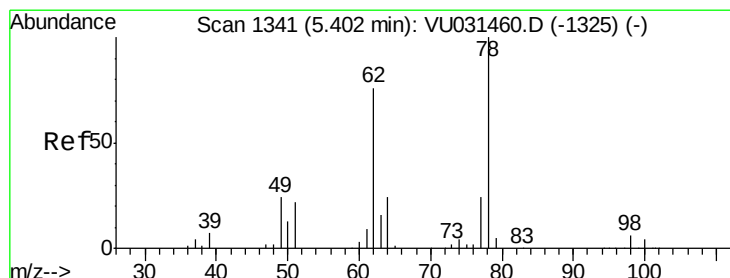
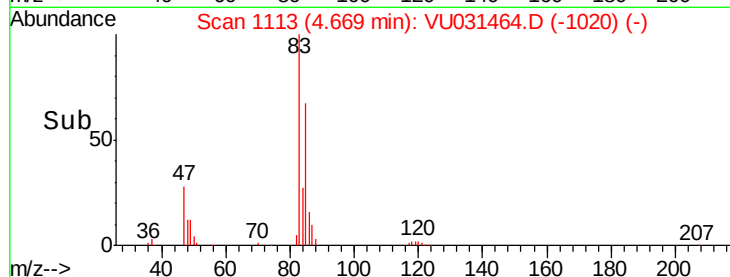
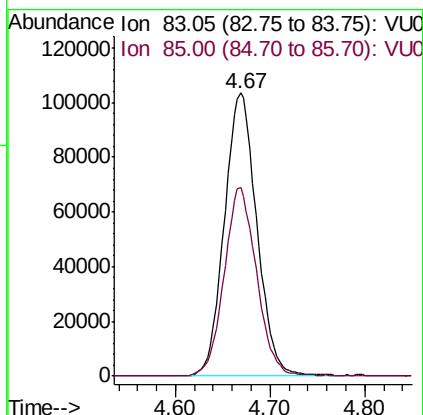
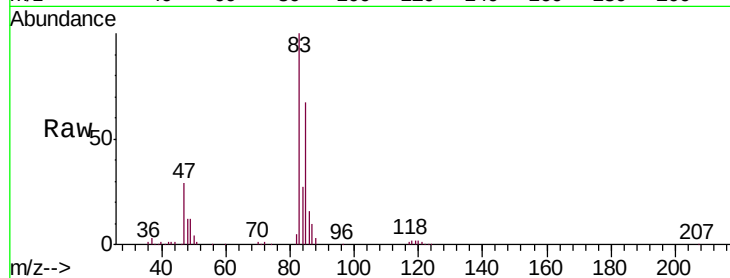




#25
Chloroform
Concen: 5.093 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

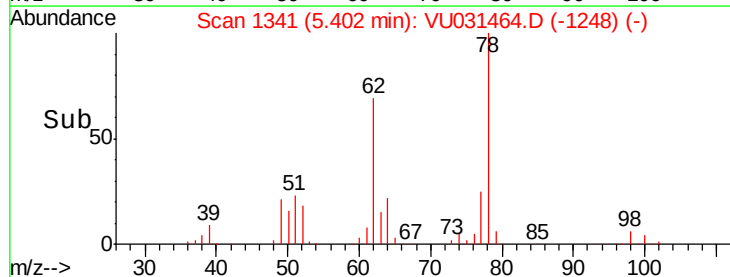
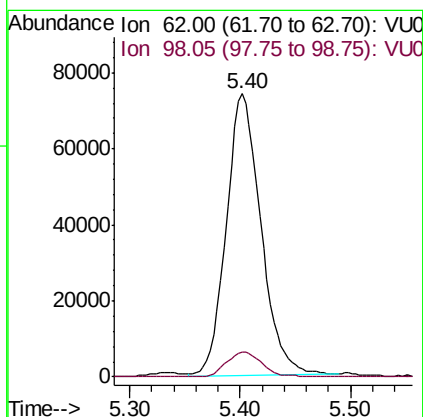
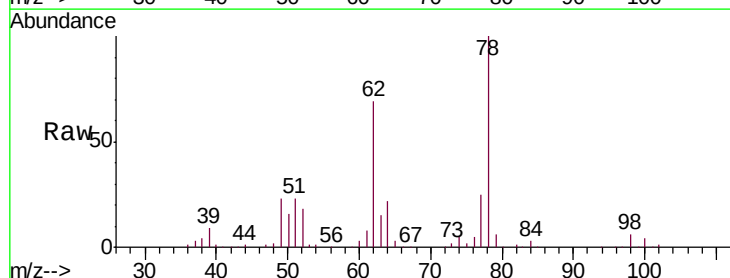
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

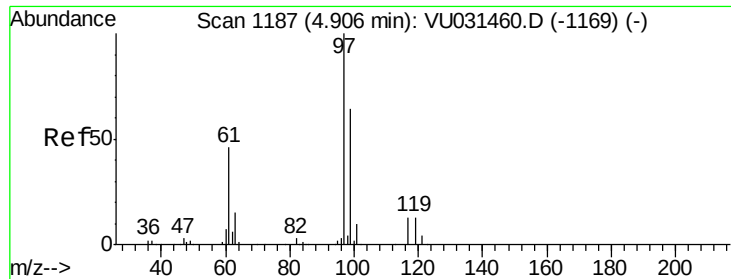
Tgt Ion: 83 Resp: 247072
Ion Ratio Lower Upper
83 100
85 66.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 5.060 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

Tgt Ion: 62 Resp: 161294
Ion Ratio Lower Upper
62 100
98 8.6 6.5 9.7

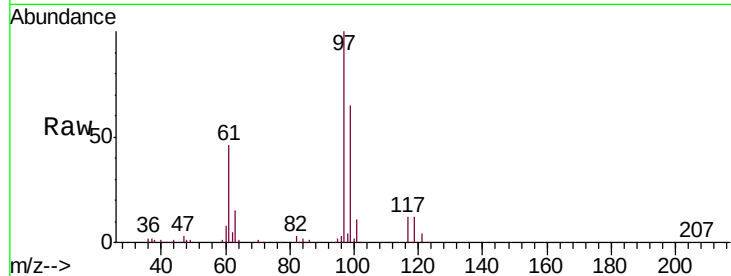




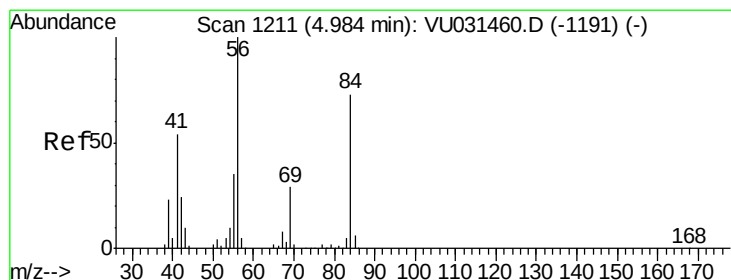
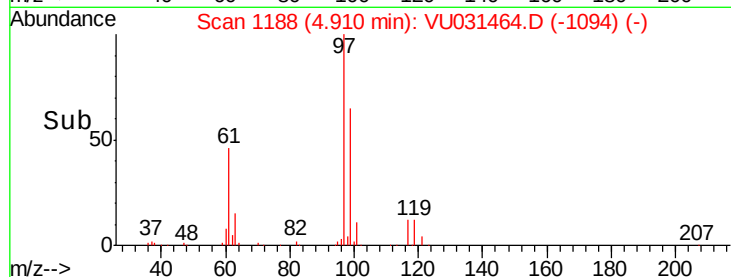
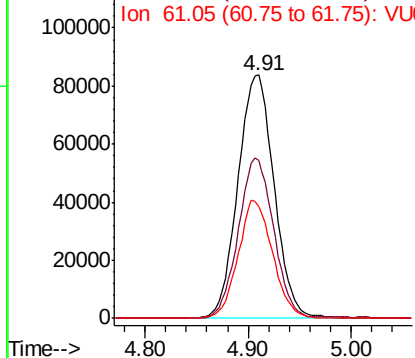
#29
 1,1,1-Trichloroethane
 Concen: 5.076 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion: 97 Resp: 204451
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.2 75.2
 61 46.1 37.0 55.4

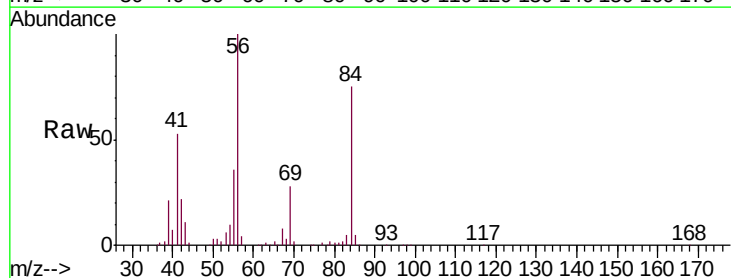


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

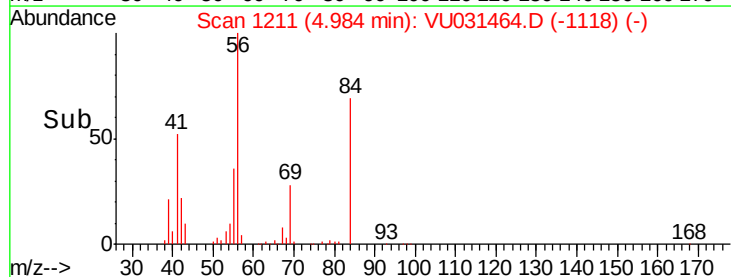
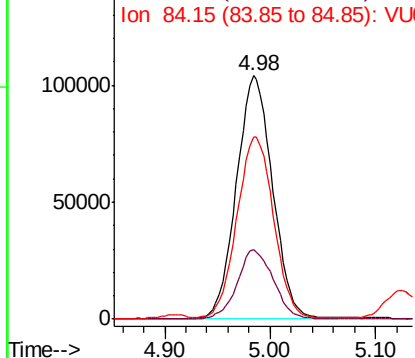


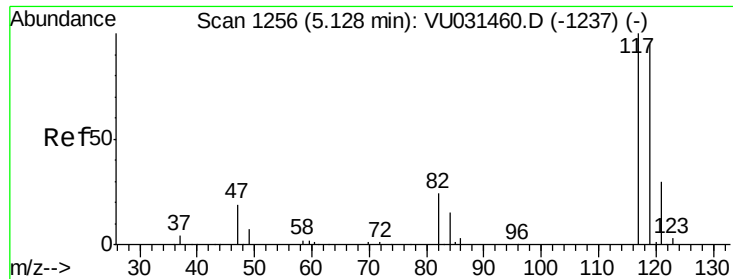
#30
 Cyclohexane
 Concen: 5.117 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Tgt Ion: 56 Resp: 248122
 Ion Ratio Lower Upper
 56 100
 69 28.6 23.3 34.9
 84 75.4 61.0 91.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

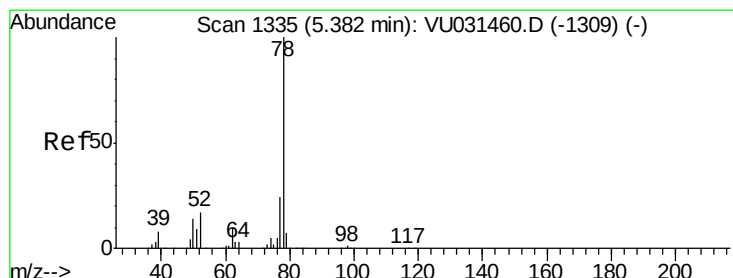
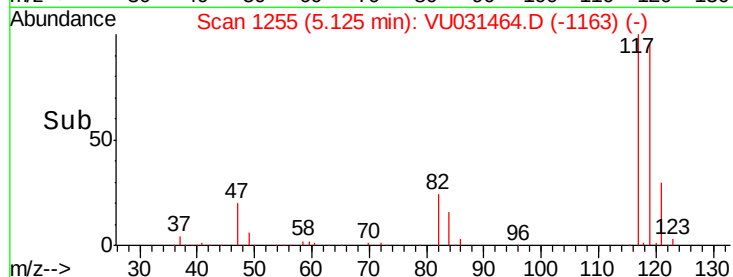
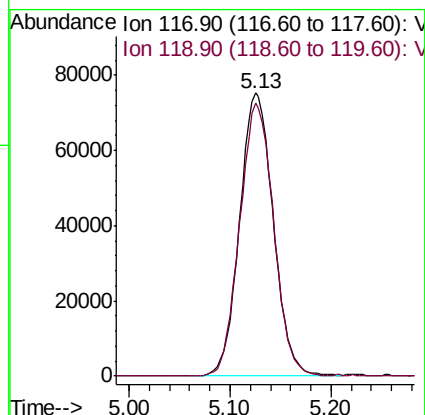
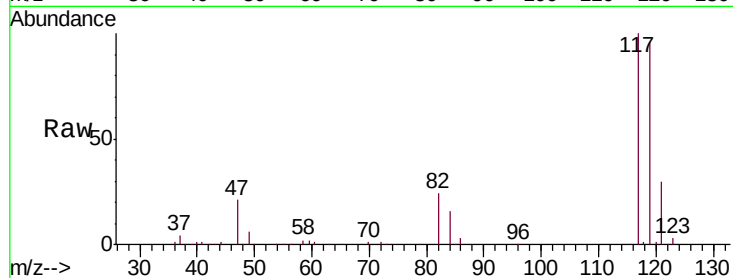




#31
Carbon tetrachloride
Concen: 5.024 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

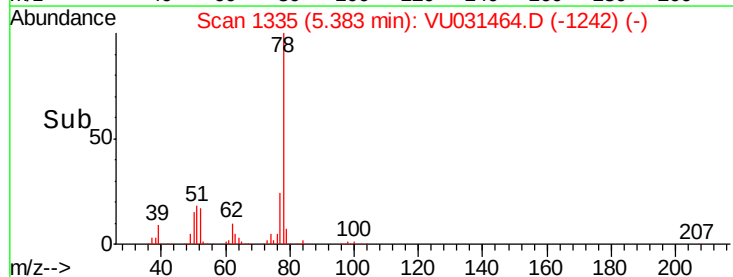
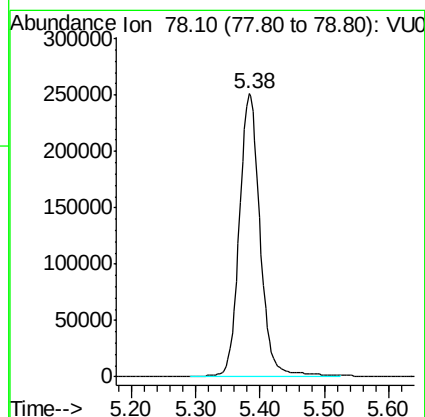
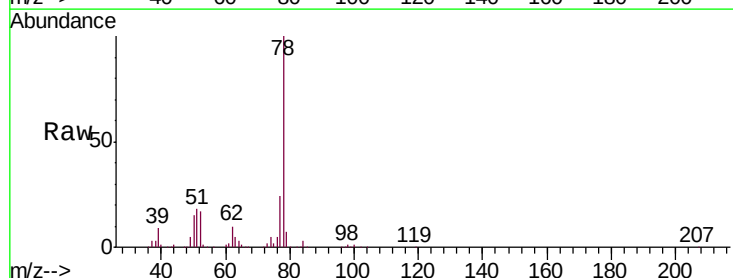
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

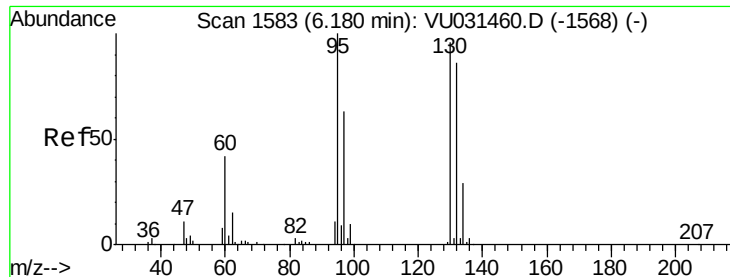
Tgt Ion:117 Resp: 174067
Ion Ratio Lower Upper
117 100
119 97.3 76.0 114.0



#33
Benzene
Concen: 5.186 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

Tgt Ion: 78 Resp: 564252





#34

Trichloroethene

Concen: 4.919 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

Tgt Ion: 95 Resp: 141051

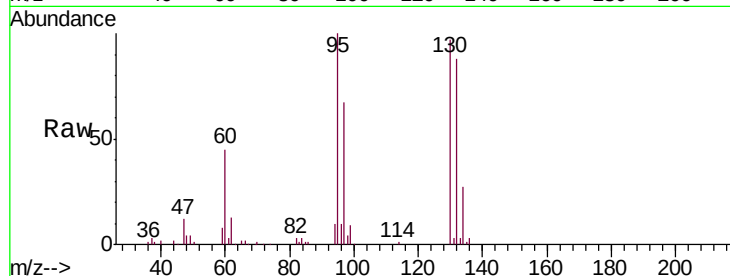
Ion Ratio Lower Upper

95 100

97 66.8 44.3 82.3

132 87.7 59.9 111.3

130 96.8 67.1 124.5

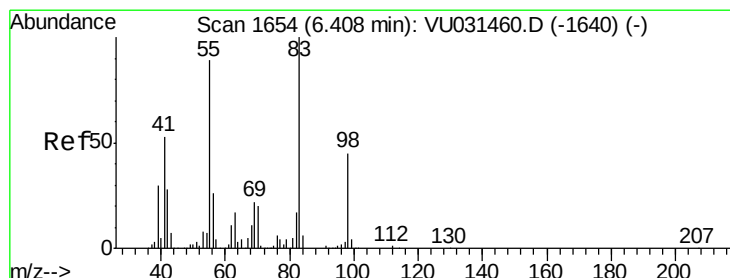
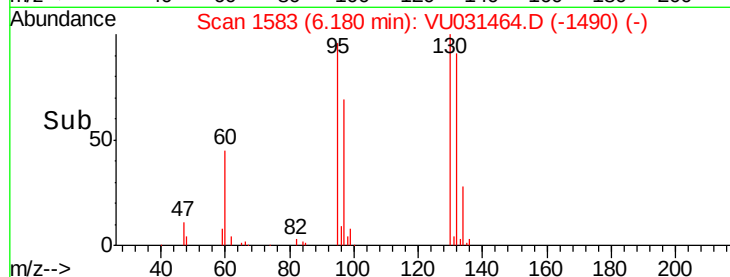
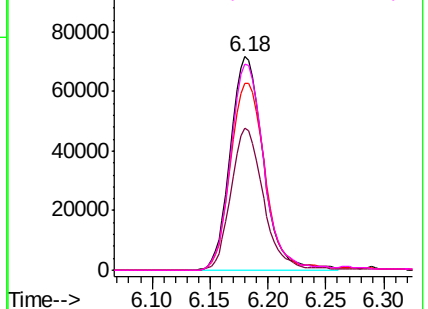


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.166 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

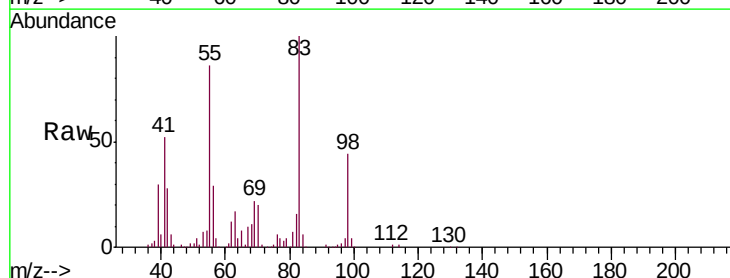
Tgt Ion: 83 Resp: 219206

Ion Ratio Lower Upper

83 100

55 88.6 71.1 106.7

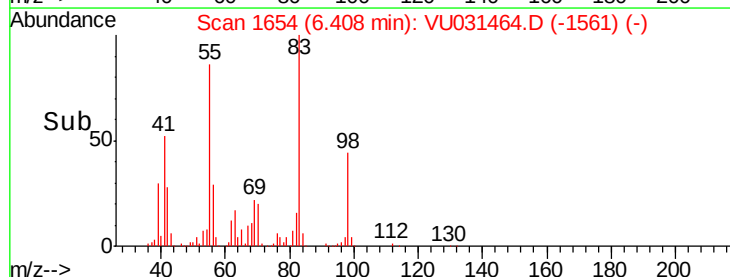
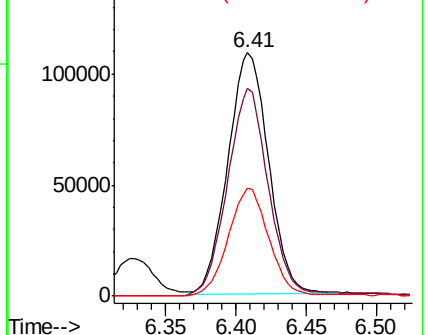
98 44.6 36.6 54.8

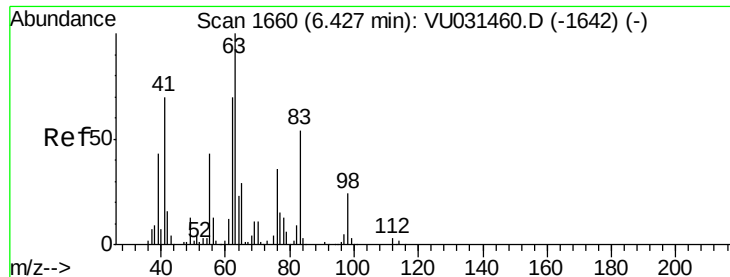


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

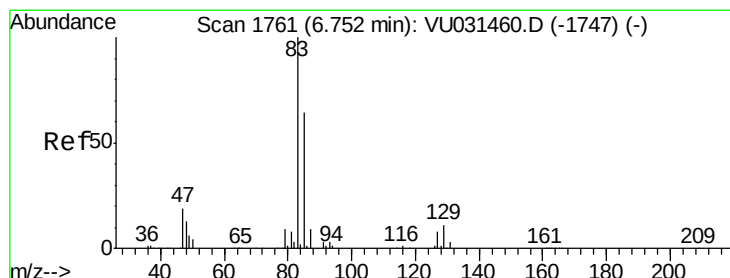
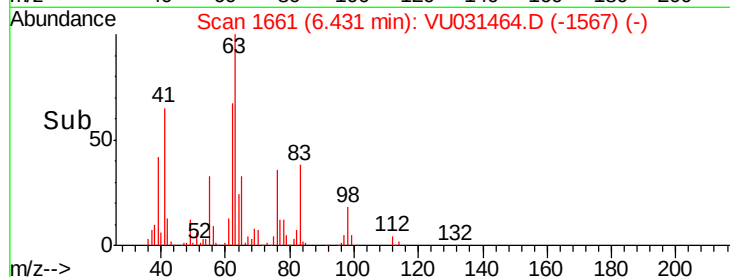
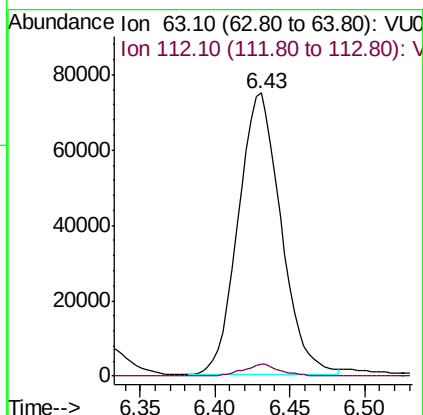
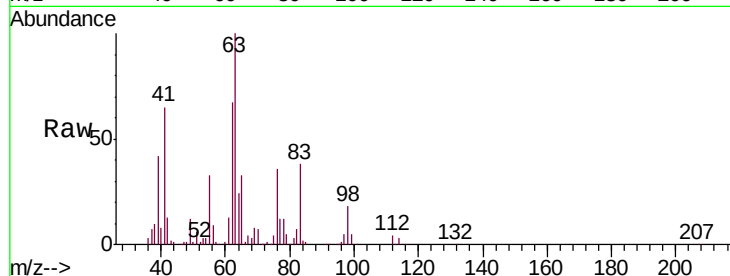




#37
 1,2-Dichloropropane
 Concen: 5.098 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

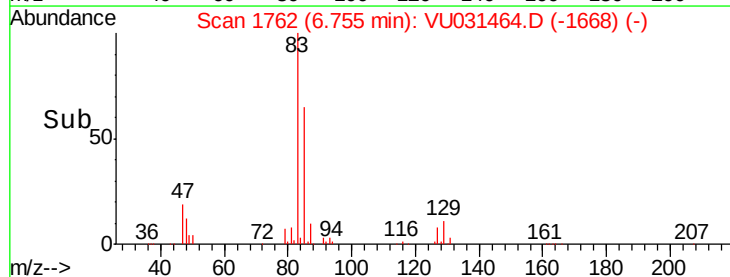
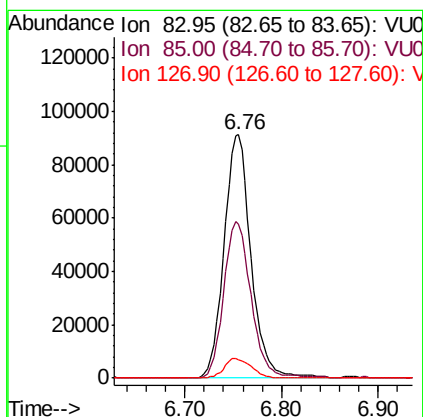
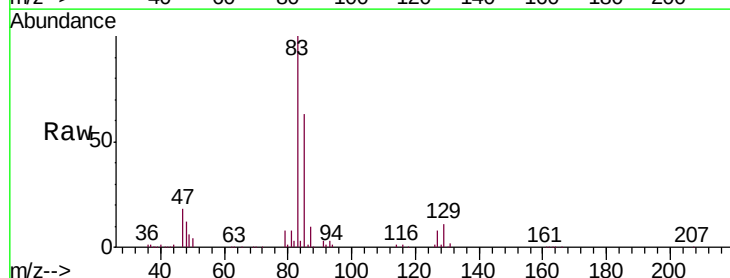
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

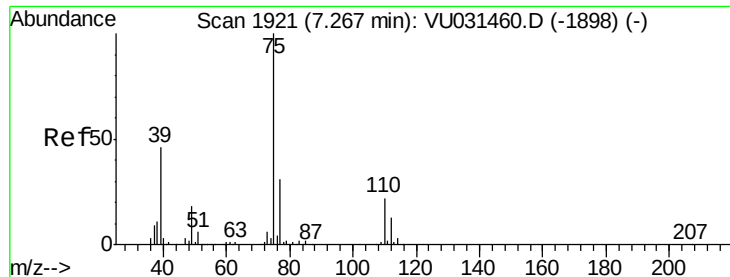
Tgt Ion: 63 Resp: 148657
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.131 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Tgt Ion: 83 Resp: 175045
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.8 83.2
 127 7.6 6.5 9.7

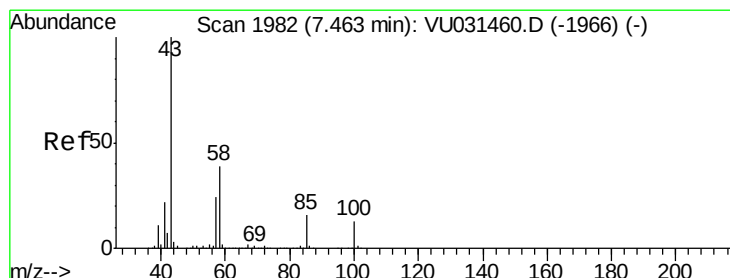
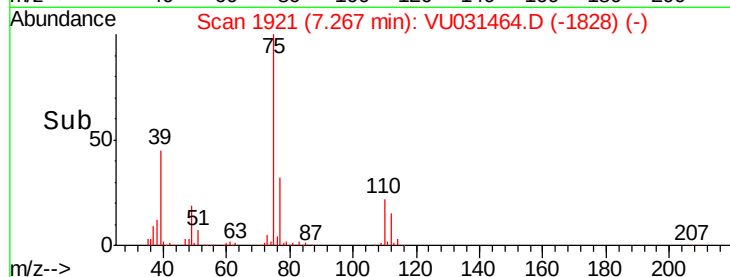
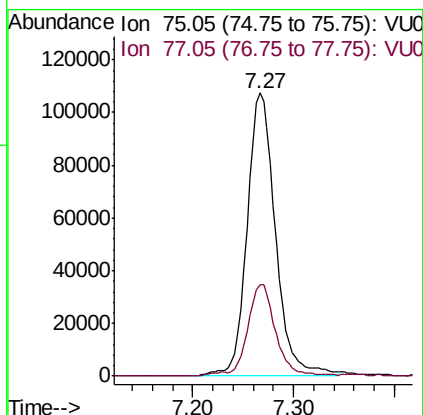
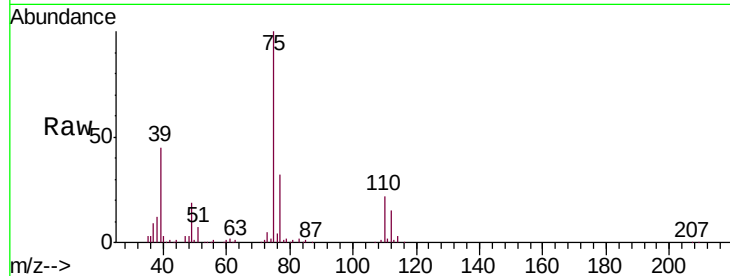




#39
 cis-1,3-Dichloropropene
 Concen: 5.148 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

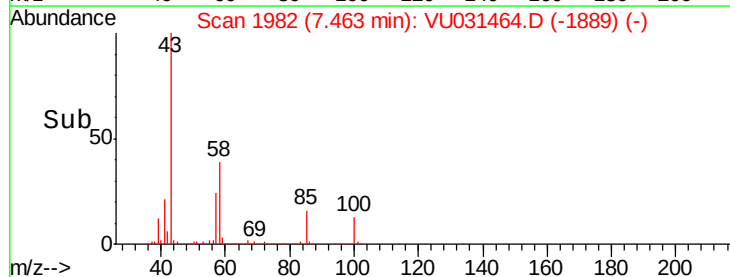
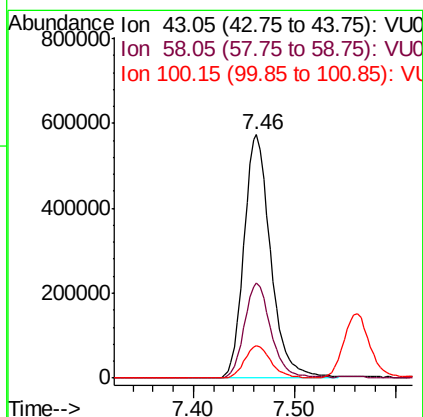
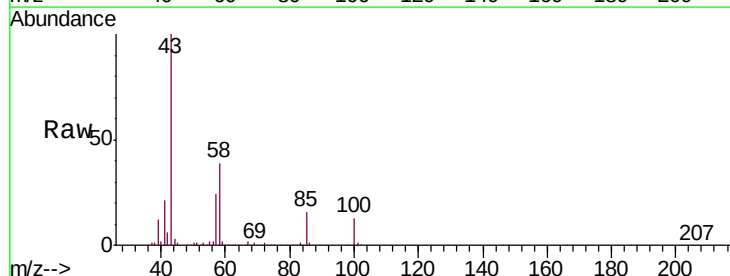
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

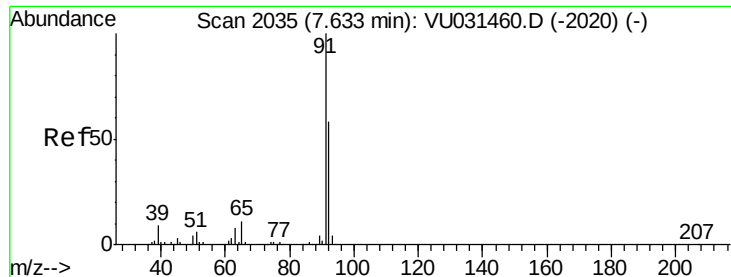
Tgt Ion: 75 Resp: 208646
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 52.459 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Tgt Ion: 43 Resp: 1046661
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.6 47.4
 100 13.2 10.6 15.8





#42

Toluene

Concen: 5.247 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

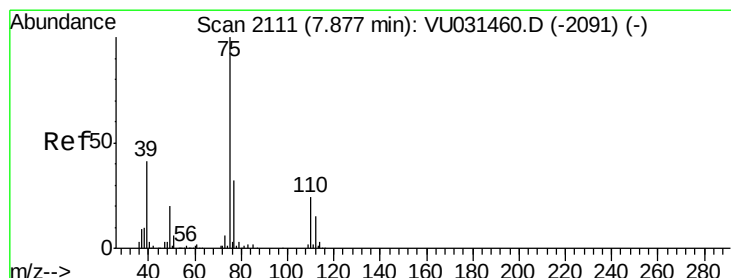
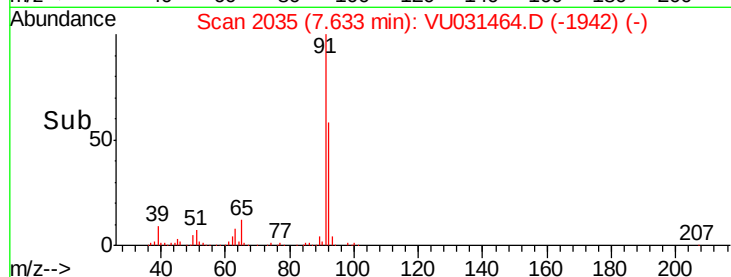
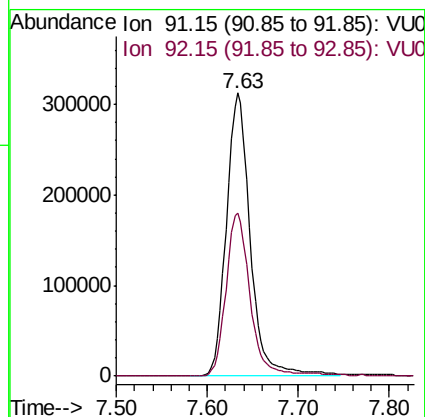
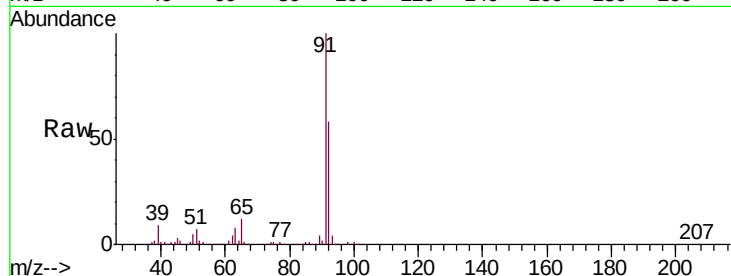
VSTD00519

Tgt Ion: 91 Resp: 573087

Ion Ratio Lower Upper

91 100

92 57.7 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.266 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031464.D

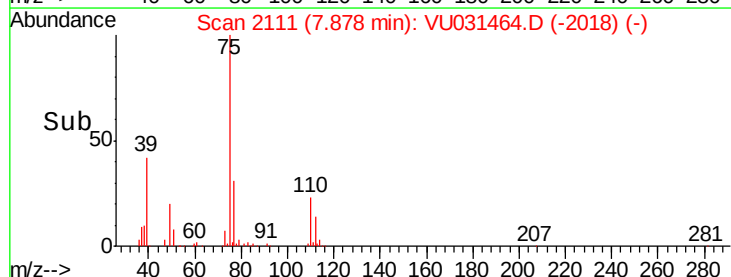
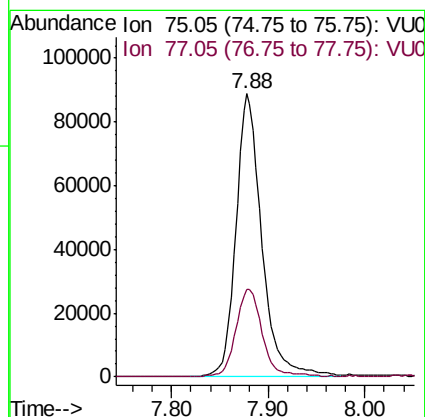
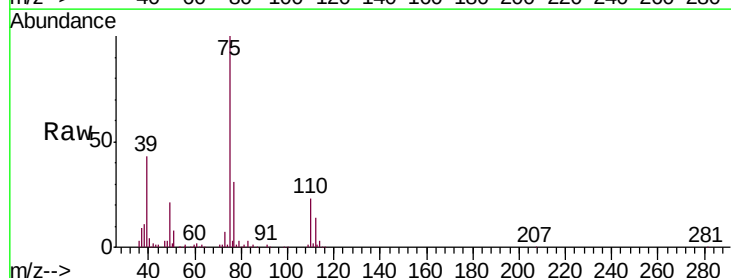
Acq: 24 Apr 2019 12:21

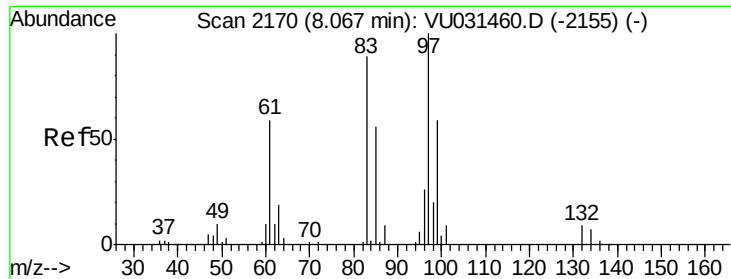
Tgt Ion: 75 Resp: 165113

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7

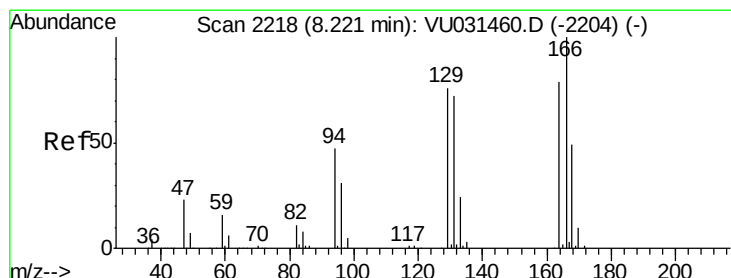
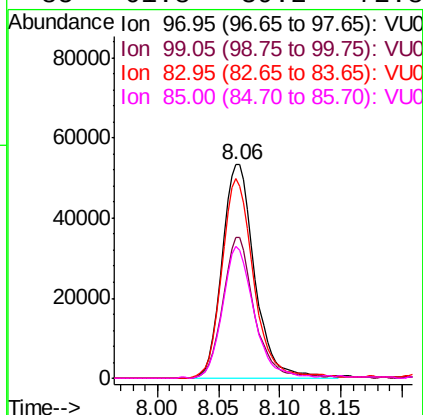
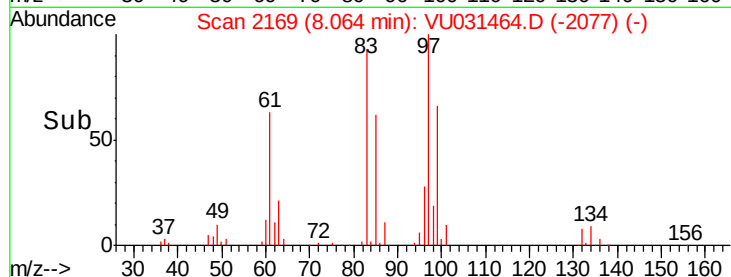
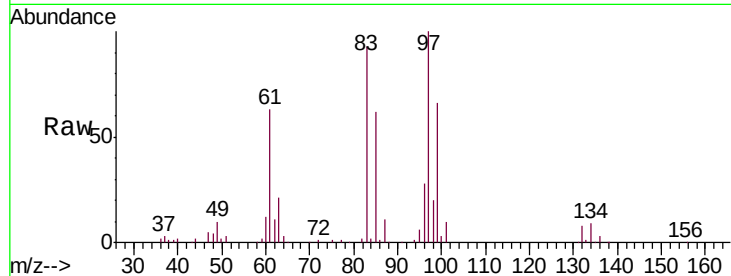




#45
 1,1,2-Trichloroethane
 Concen: 5.061 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

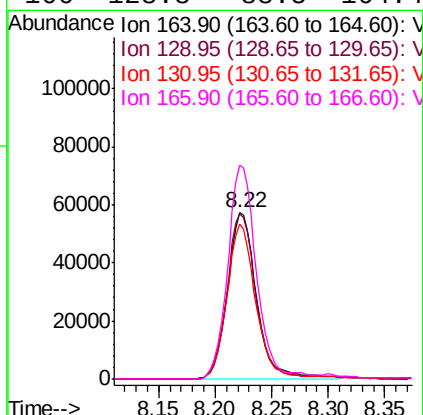
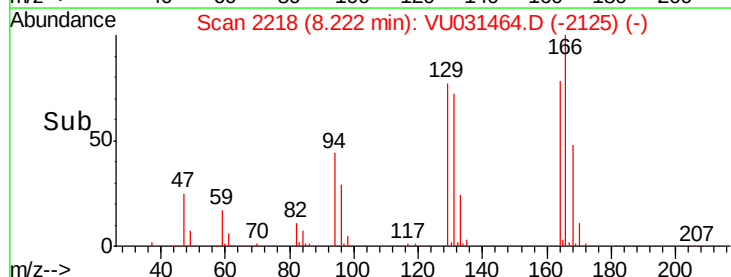
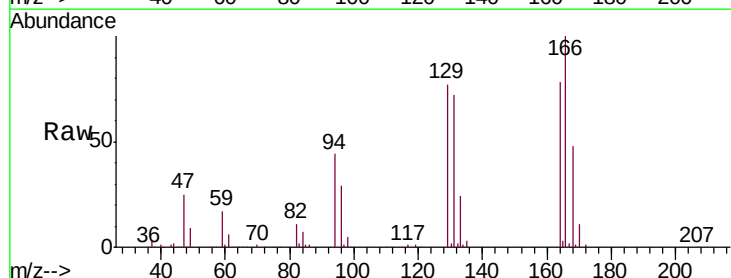
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

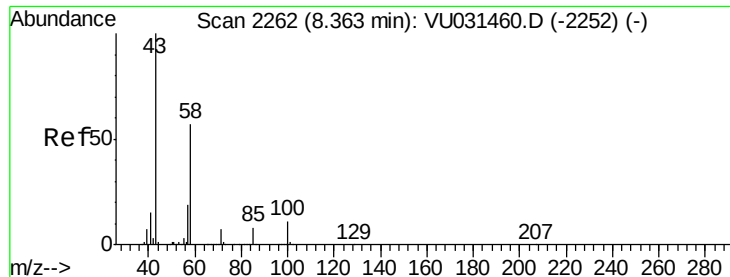
Tgt Ion:	97	Resp:	100549
Ion	Ratio	Lower	Upper
97	100		
99	65.9	41.2	76.6
83	93.4	62.2	115.4
85	61.8	39.2	72.8



#47
 Tetrachloroethene
 Concen: 5.121 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Tgt Ion:	164	Resp:	102606
Ion	Ratio	Lower	Upper
164	100		
129	99.4	67.5	125.3
131	93.1	64.0	119.0
166	128.8	88.5	164.4

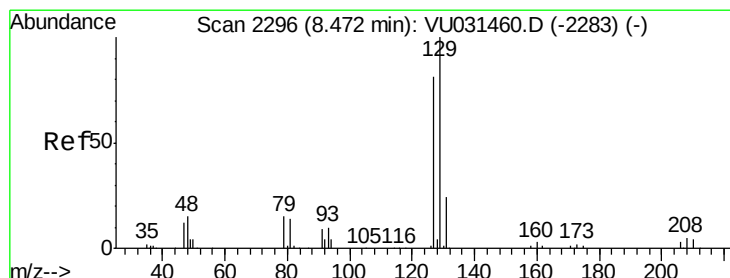
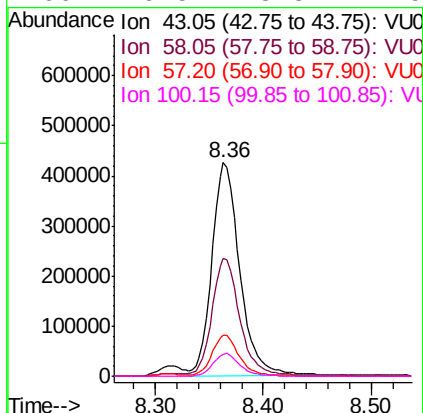
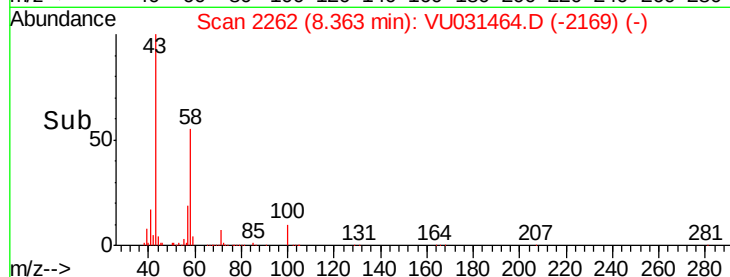
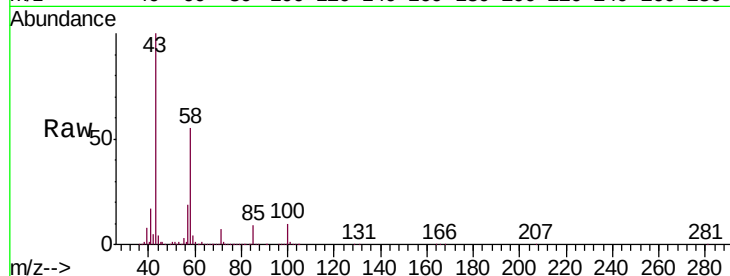




#48
2-Hexanone
Concen: 54.419 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

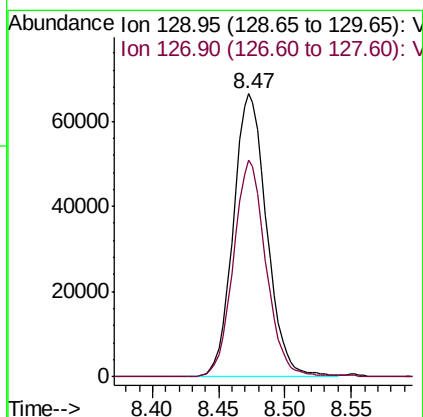
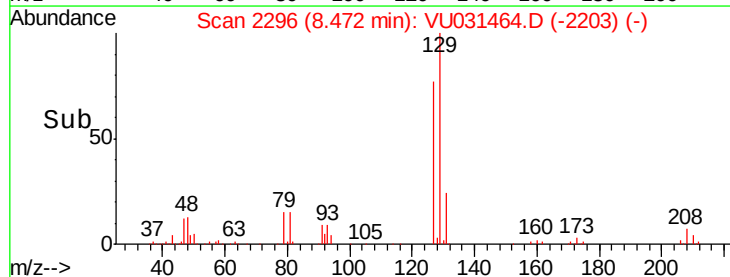
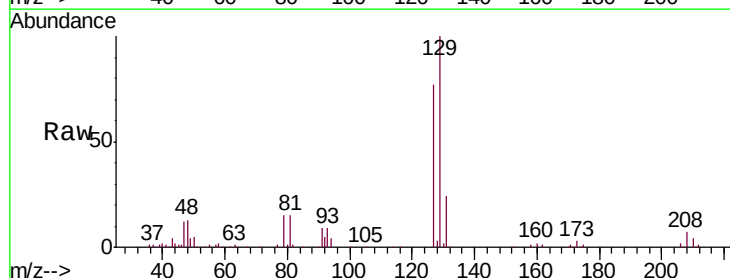
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

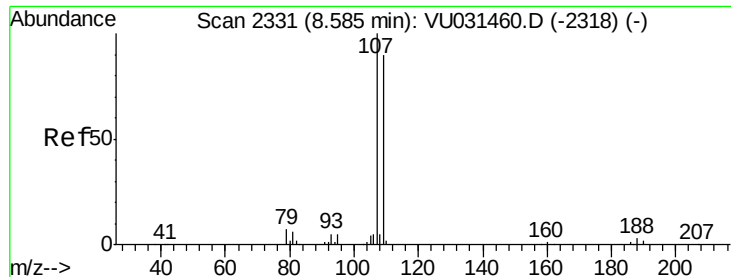
Tgt Ion: 43 Resp: 761604
Ion Ratio Lower Upper
43 100
58 55.2 44.6 67.0
57 18.9 15.3 22.9
100 10.5 8.3 12.5



#49
Dibromochloromethane
Concen: 5.222 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

Tgt Ion: 129 Resp: 116285
Ion Ratio Lower Upper
129 100
127 76.6 56.6 105.0

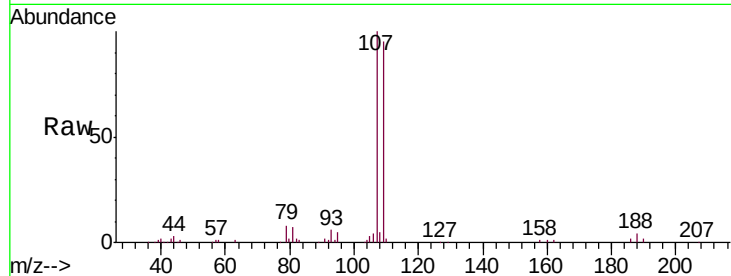




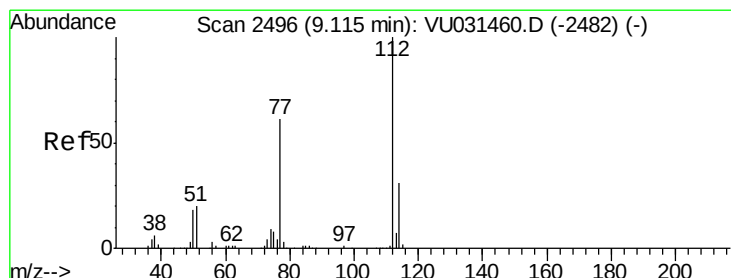
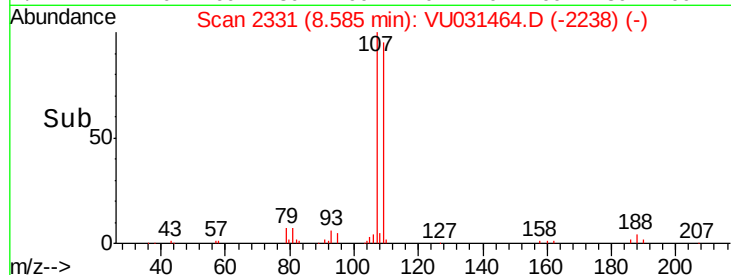
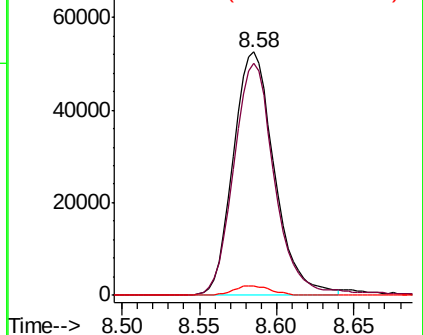
#50
1,2-Dibromoethane
Concen: 5.093 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tgt Ion:107 Resp: 97139
Ion Ratio Lower Upper
107 100
109 95.4 63.1 117.3
188 3.6 2.2 3.4#

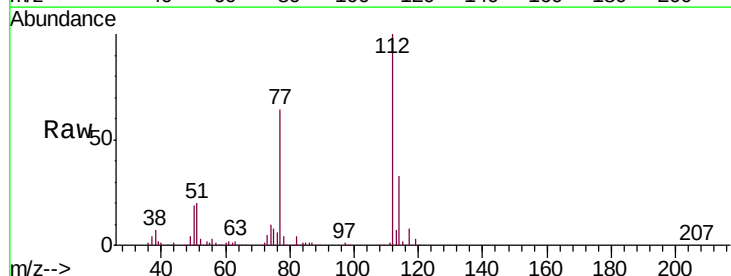


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

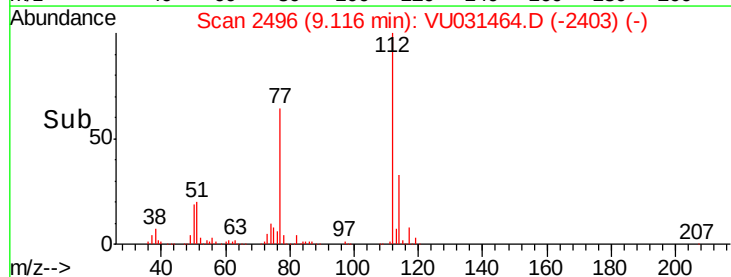
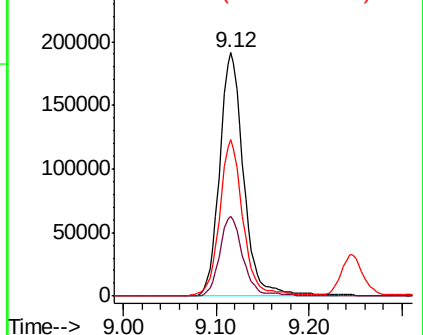


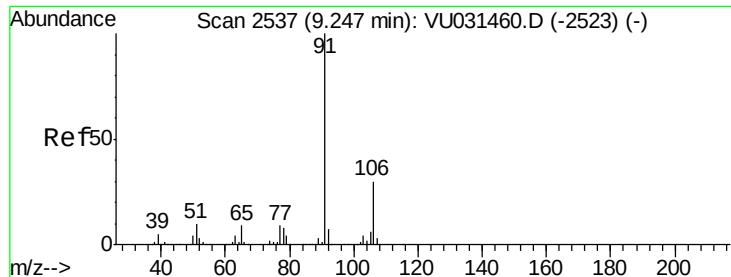
#51
Chlorobenzene
Concen: 5.185 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

Tgt Ion:112 Resp: 343527
Ion Ratio Lower Upper
112 100
114 32.7 21.9 40.7
77 64.3 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): V





#52

Ethylbenzene

Concen: 5.146 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

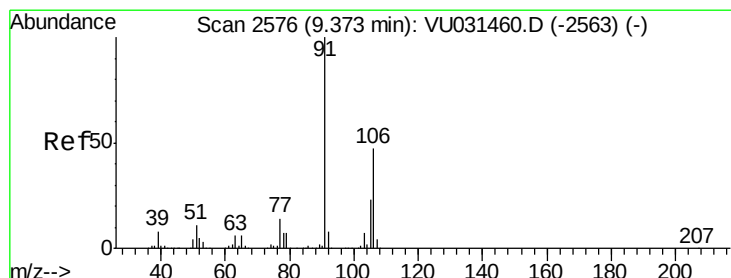
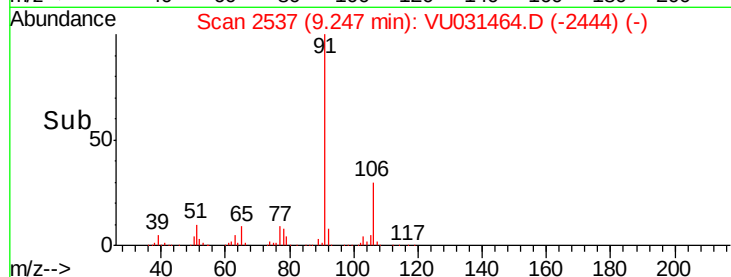
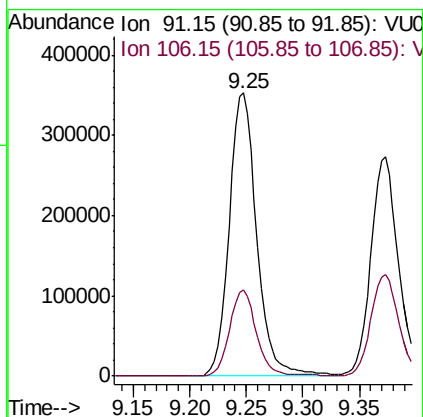
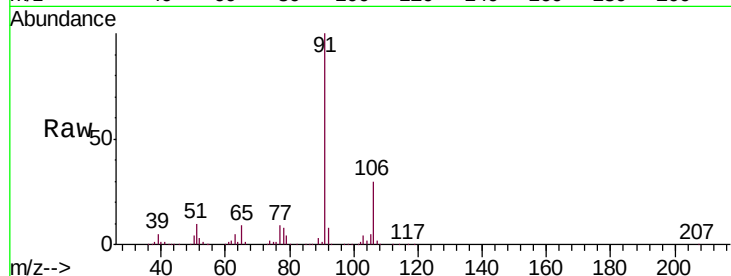
VSTD00519

Tgt Ion: 91 Resp: 598340

Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.6



#53

m,p-Xylene

Concen: 5.270 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031464.D

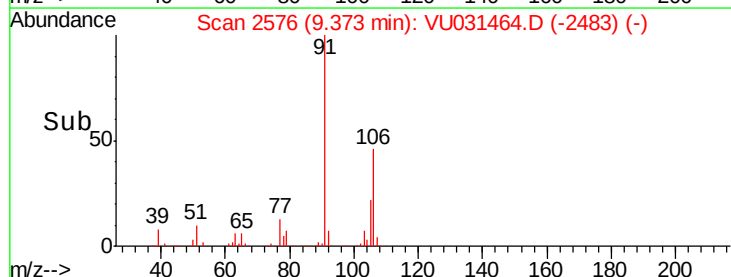
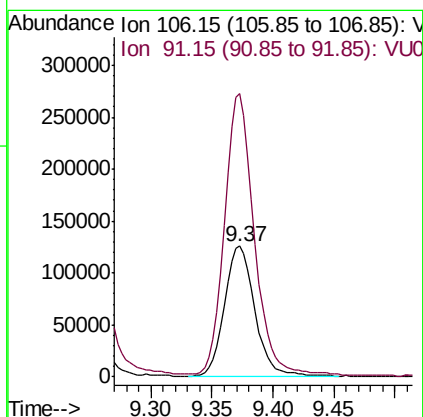
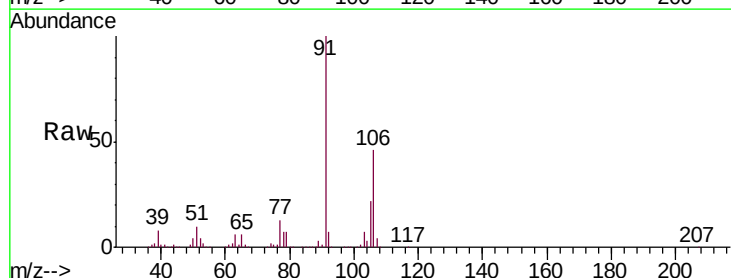
Acq: 24 Apr 2019 12:21

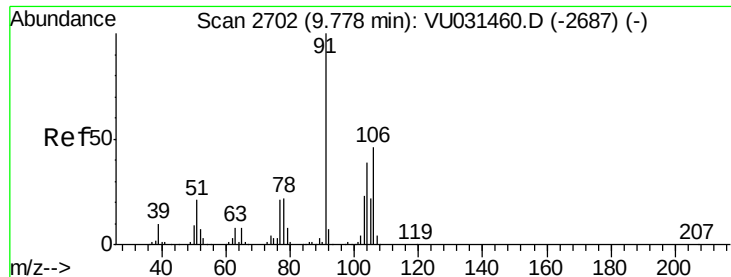
Tgt Ion: 106 Resp: 218198

Ion Ratio Lower Upper

106 100

91 216.3 147.8 274.4

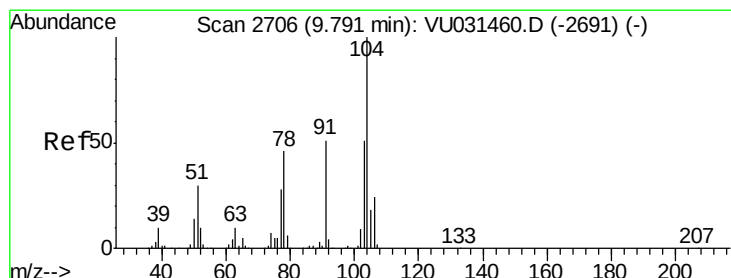
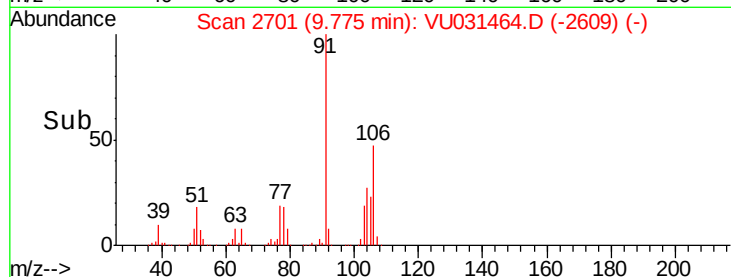
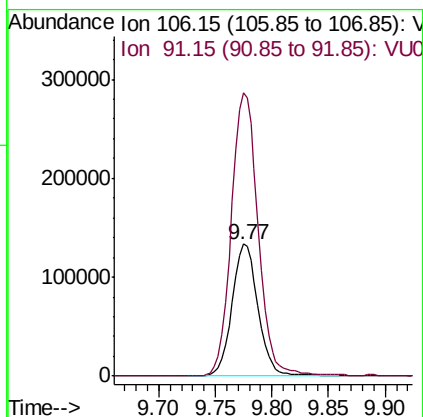
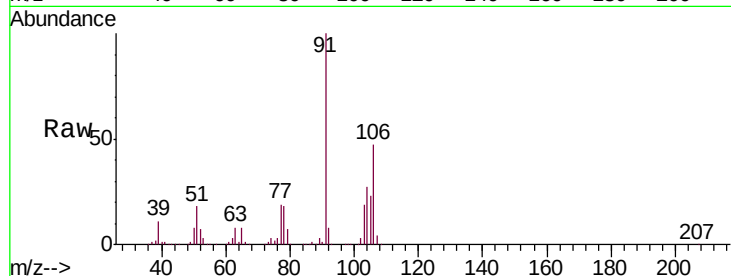




#54
o-Xylene
Concen: 5.243 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

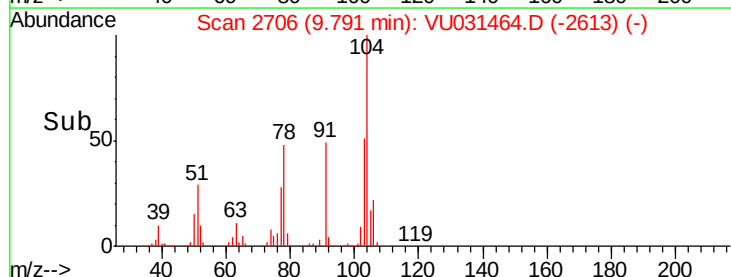
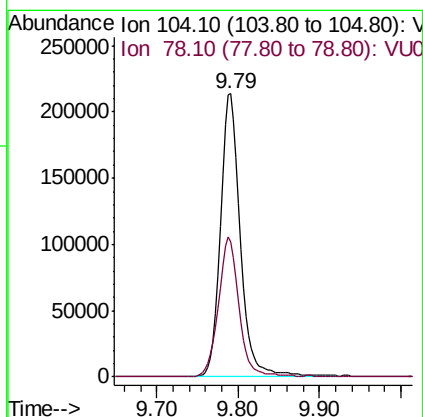
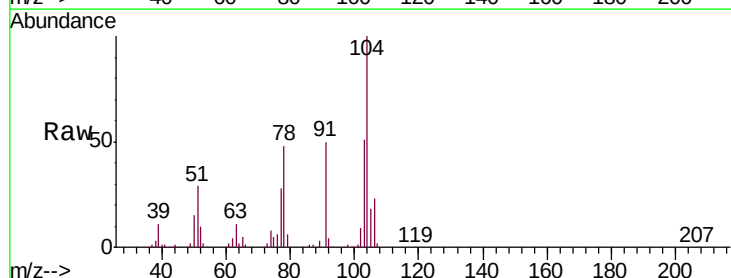
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

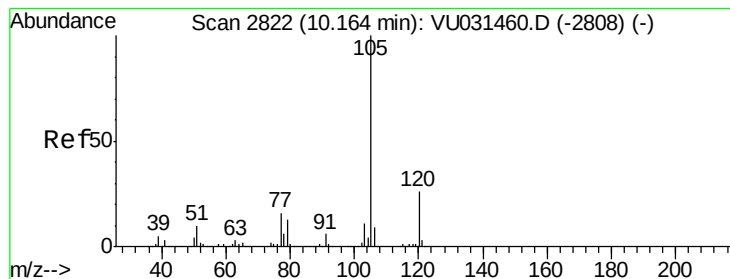
Tgt Ion:106 Resp: 214304
Ion Ratio Lower Upper
106 100
91 214.0 152.7 283.7



#55
Styrene
Concen: 5.494 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031464.D
Acq: 24 Apr 2019 12:21

Tgt Ion:104 Resp: 371505
Ion Ratio Lower Upper
104 100
78 47.8 32.1 59.5





#56

Isopropylbenzene

Concen: 5.303 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

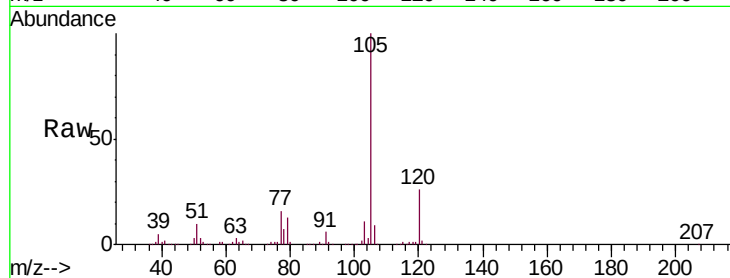
Tgt Ion: 105 Resp: 572731

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

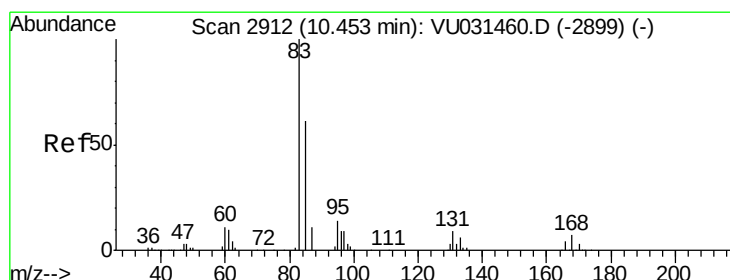
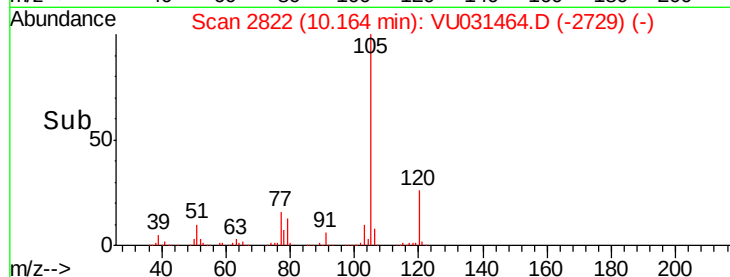
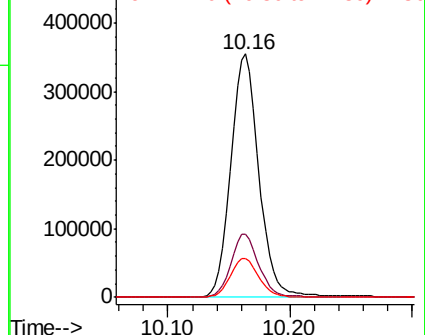
77 16.3 13.2 19.8



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: 5.110 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

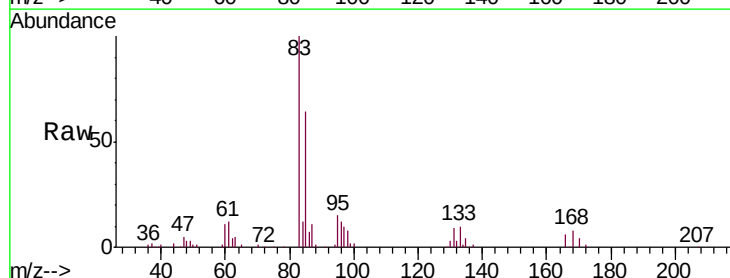
Tgt Ion: 83 Resp: 129189

Ion Ratio Lower Upper

83 100

85 63.6 42.8 79.4

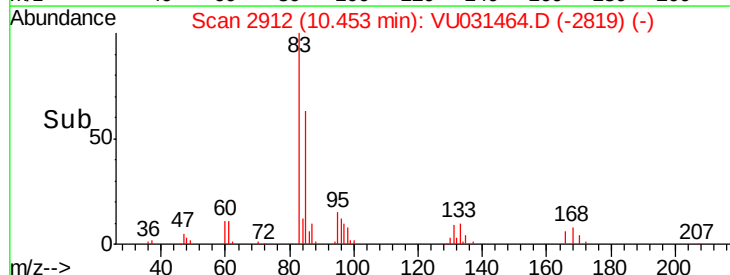
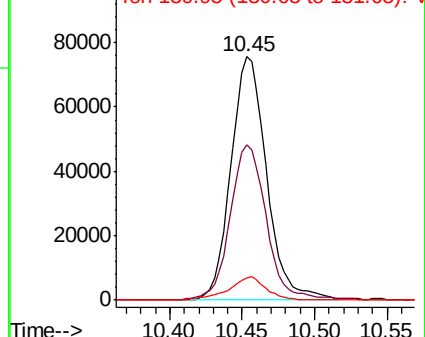
131 9.3 7.0 10.4

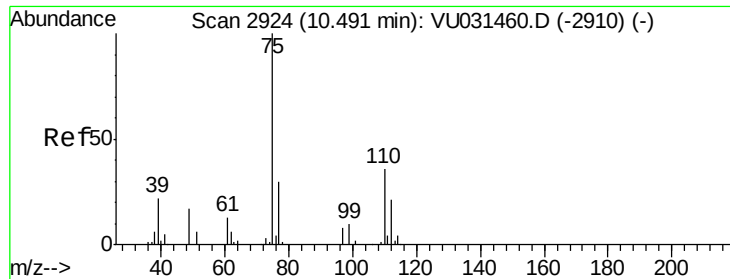


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.290 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

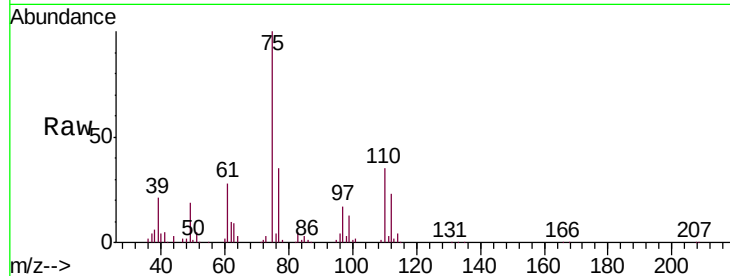
VSTD00519

Tgt Ion: 75 Resp: 97162

Ion Ratio Lower Upper

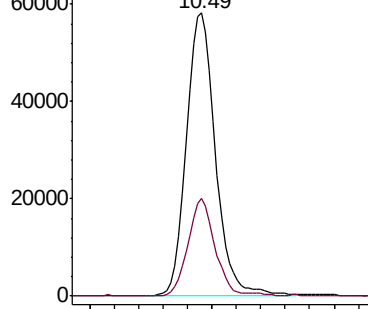
75 100

77 31.7 25.7 38.5

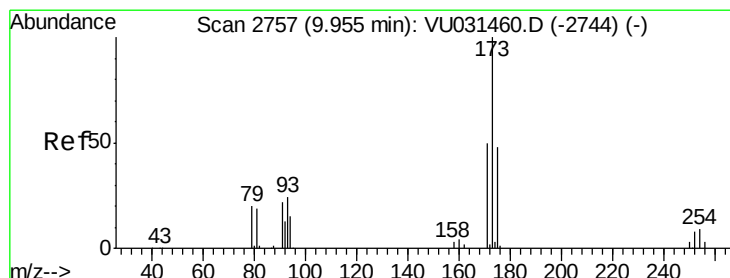
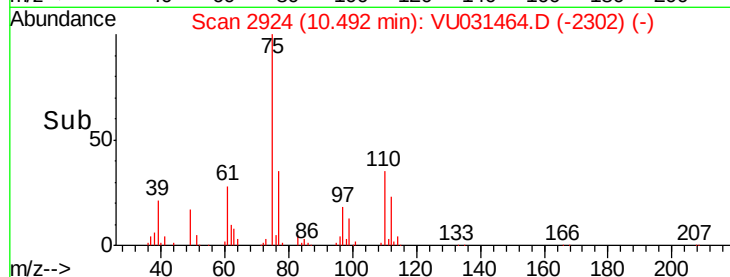


Abundance Ion 75.00 (74.70 to 75.70): VU031460.D (-2910) (-)

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



Time-->



#61

Bromoform

Concen: 5.329 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

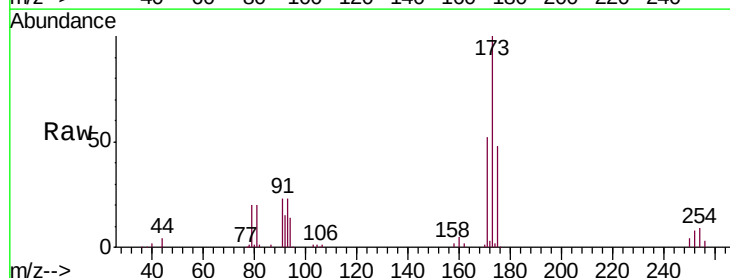
Tgt Ion: 173 Resp: 66859

Ion Ratio Lower Upper

173 100

175 46.4 39.9 59.9

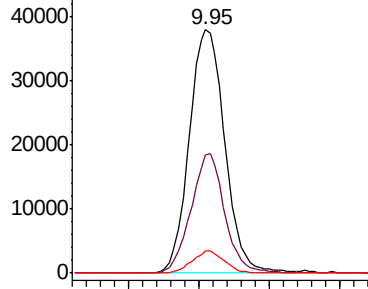
254 8.2 7.1 10.7



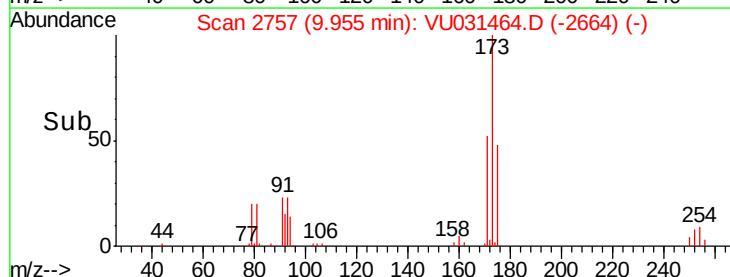
Abundance Ion 172.90 (172.60 to 173.60): VU031460.D (-2744) (-)

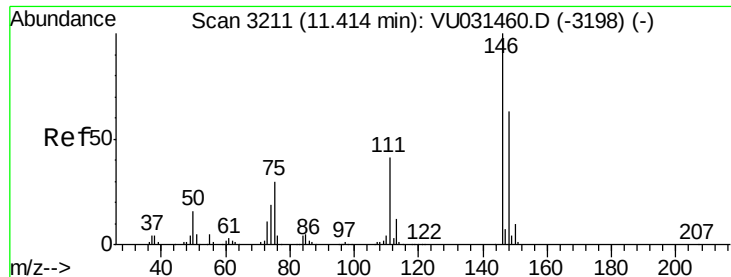
Ion 174.90 (174.60 to 175.60): VU031460.D (-2744) (-)

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



Time-->





#62

1,3-Dichlorobenzene

Concen: 5.140 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

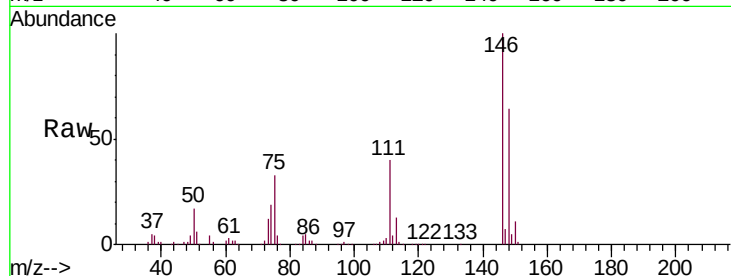
Tgt Ion:146 Resp: 242655

Ion Ratio Lower Upper

146 100

111 40.0 28.5 52.9

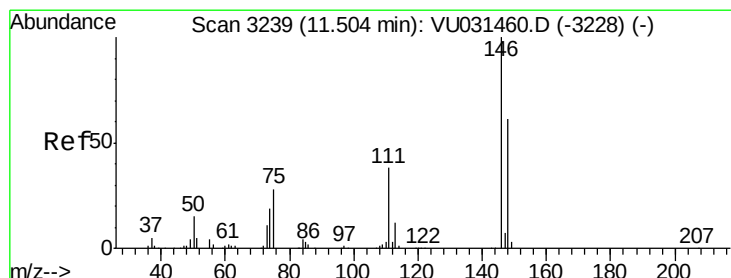
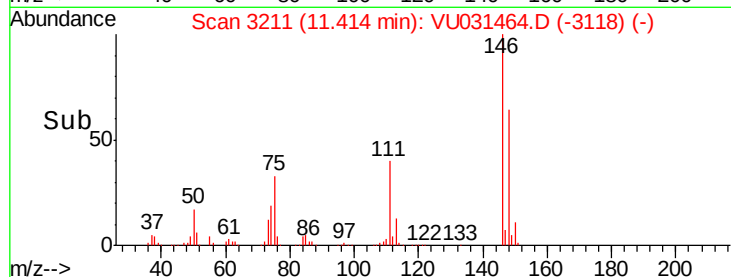
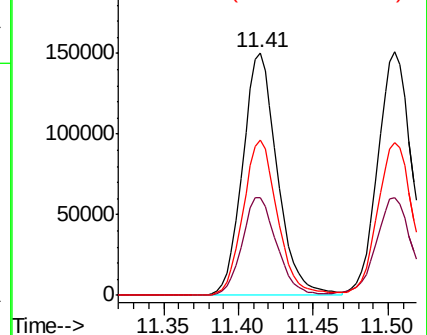
148 63.7 43.8 81.4



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: 5.043 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

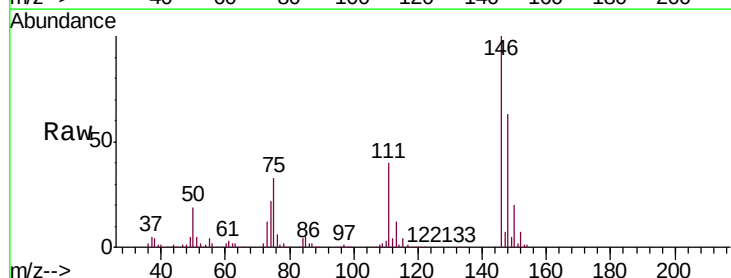
Tgt Ion:146 Resp: 247970

Ion Ratio Lower Upper

146 100

111 40.4 26.7 49.5

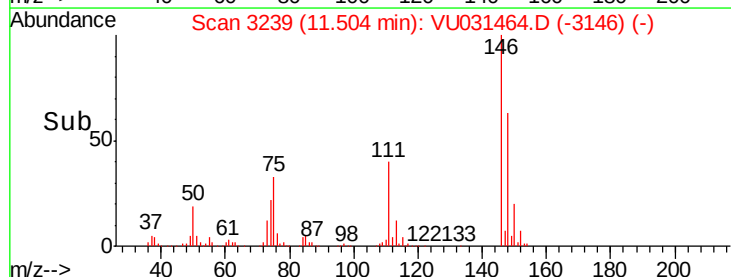
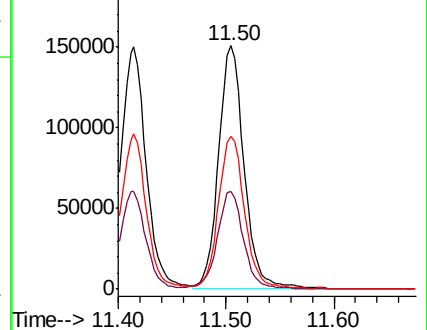
148 62.8 43.3 80.3

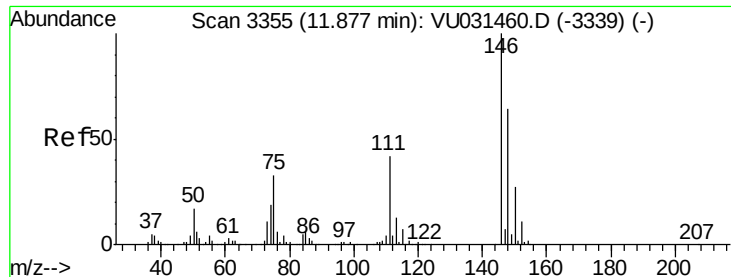


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.199 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

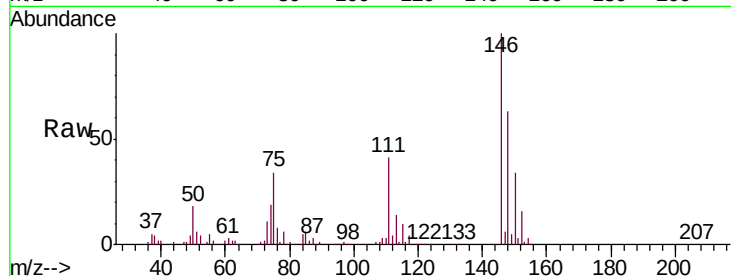
Tgt Ion:146 Resp: 243396

Ion Ratio Lower Upper

146 100

111 40.9 34.0 51.0

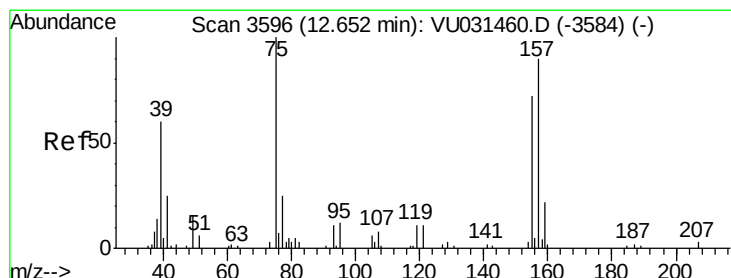
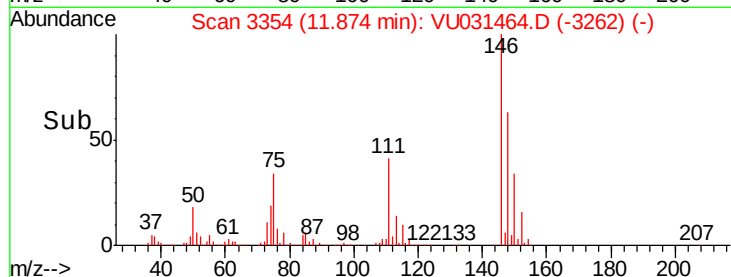
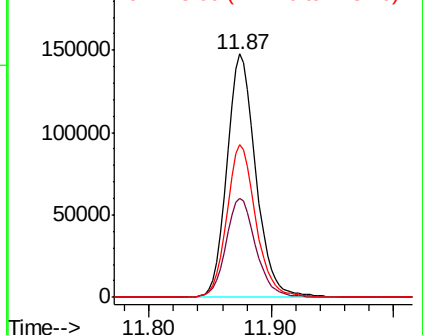
148 62.9 50.9 76.3



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: 5.553 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

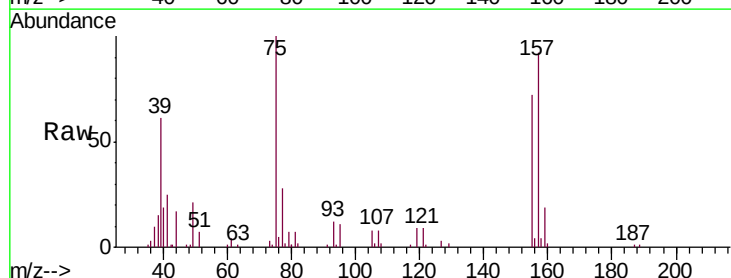
Tgt Ion: 75 Resp: 21746

Ion Ratio Lower Upper

75 100

155 71.7 57.2 85.8

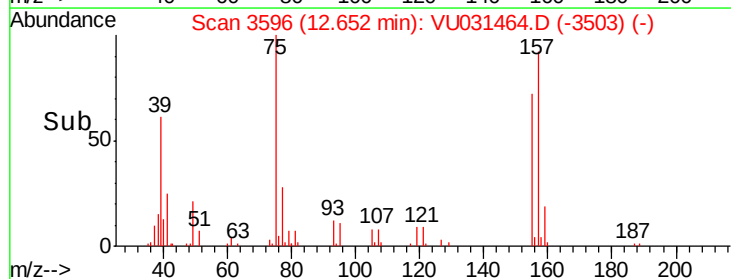
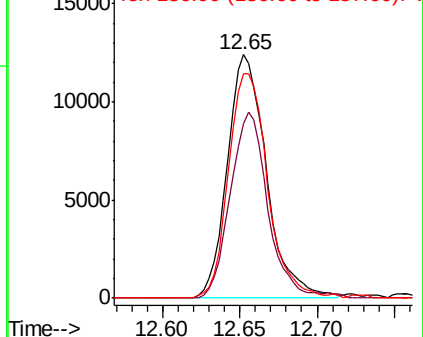
157 92.0 71.9 107.9

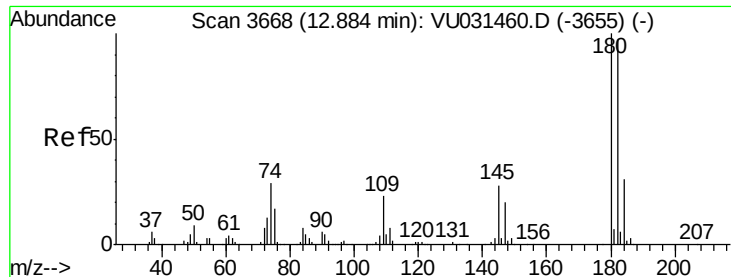


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

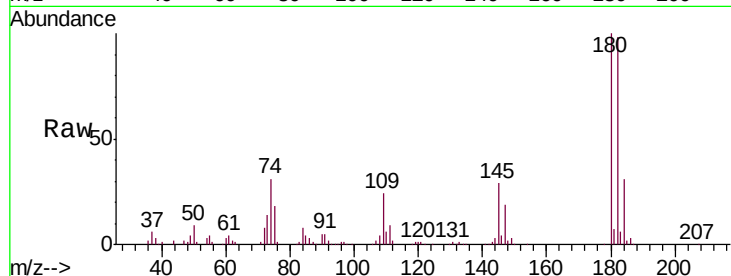




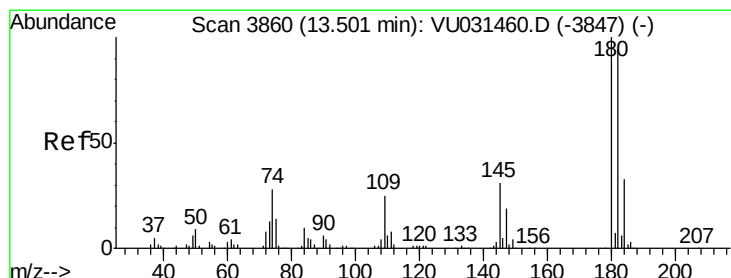
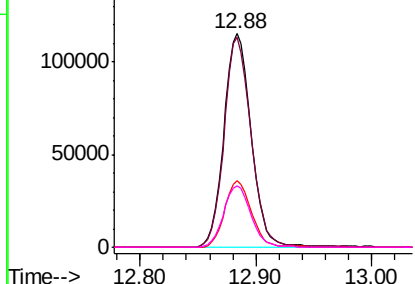
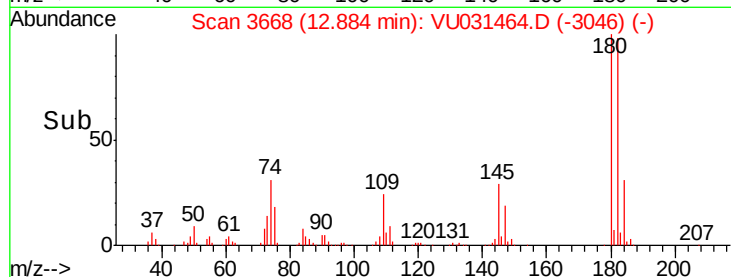
#67
 1,3,5-Trichlorobenzene
 Concen: 5.231 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion:	180	Resp:	187623
Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
184	30.3	24.6	36.8
145	28.9	23.8	35.8

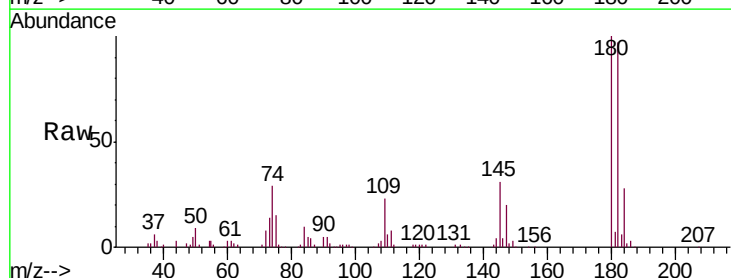


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

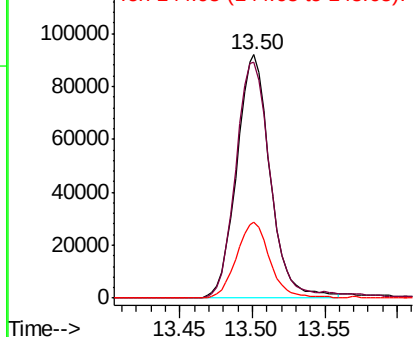
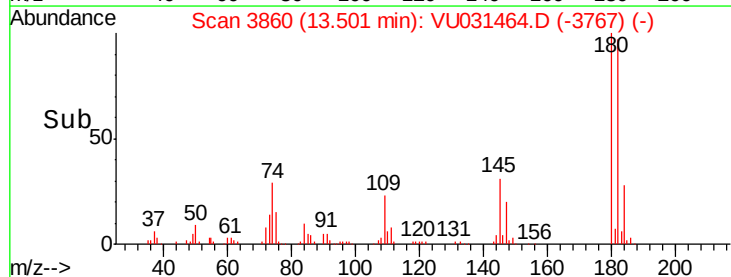


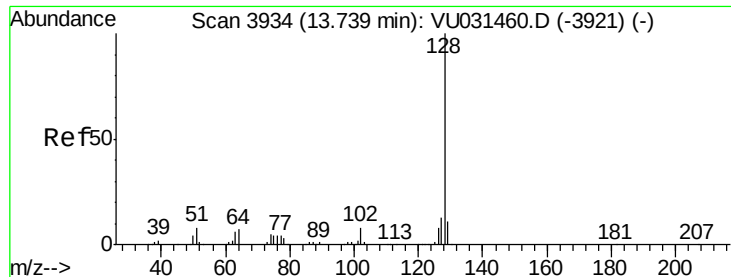
#68
 1,2,4-trichlorobenzene
 Concen: 5.216 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031464.D
 Acq: 24 Apr 2019 12:21

Tgt Ion:	180	Resp:	147392
Ion	Ratio	Lower	Upper
180	100		
182	100.8	76.9	115.3
145	31.2	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: 5.408 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

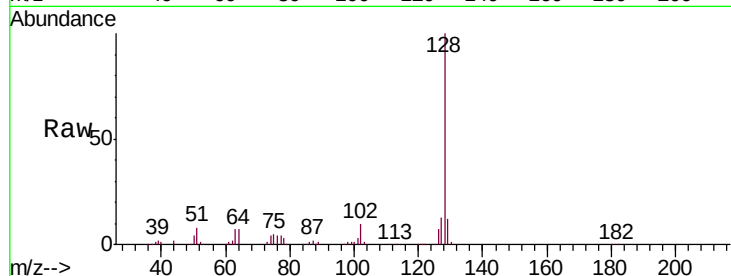
Tgt Ion:128 Resp: 298701

Ion Ratio Lower Upper

128 100

129 10.9 8.0 12.0

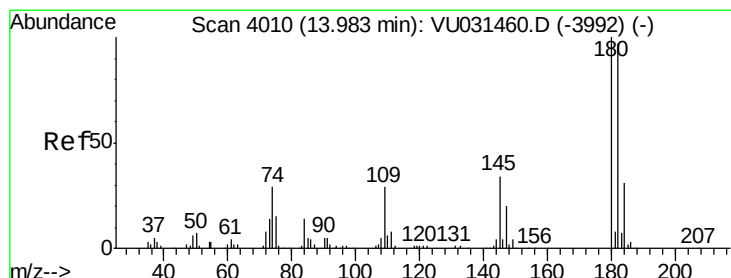
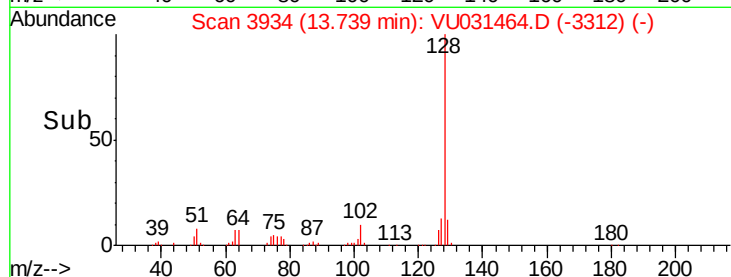
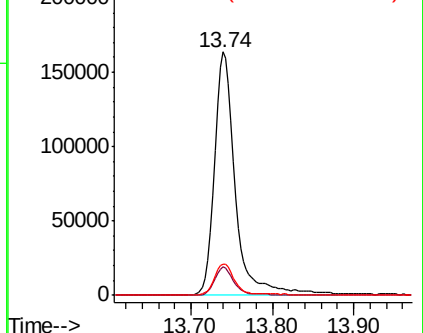
127 12.3 10.5 15.7



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: 5.437 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031464.D

Acq: 24 Apr 2019 12:21

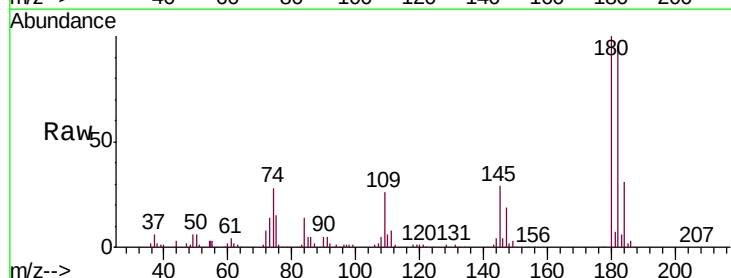
Tgt Ion:180 Resp: 151637

Ion Ratio Lower Upper

180 100

182 97.3 76.4 114.6

145 31.0 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

