

Data File : VU030772.D
Acq On : 06 Apr 2019 03:20
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Quant Time: Apr 06 05:13:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 06 02:16:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	481223	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	472328	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	217009	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	189149	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.06%
7) Chloroethane-d5	1.68	69	152824	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.74%
11) 1,1-Dichloroethene-d2	2.27	63	368860	47.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.94%
21) 2-Butanone-d5	4.17	46	376177	110.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.49%
24) Chloroform-d	4.64	84	326773	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.30	65	223910	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
32) Benzene-d6	5.33	84	665063	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.46%
36) 1,2-Dichloropropane-d6	6.32	67	228364	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.66%
41) Toluene-d8	7.56	98	597895	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%
43) trans-1,3-Dichloropropene-	7.85	79	104038	48.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.56%
47) 2-Hexanone-d5	8.31	63	234165	108.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	330128	51.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.58%
64) 1,2-Dichlorobenzene-d4	11.85	152	210646	49.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.72%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	199748	47.255	ug/L	98
3) Chloromethane	1.32	50	263679	48.226	ug/L	99
5) Vinyl chloride	1.40	62	260389	49.198	ug/L	95
6) Bromomethane	1.62	94	132760	48.416	ug/L	100
8) Chloroethane	1.69	64	152407	50.488	ug/L	99
9) Trichlorofluoromethane	1.88	101	309358	50.163	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	162126	47.050	ug/L	98
12) 1,1-Dichloroethene	2.28	96	167765	50.433	ug/L	97
13) Acetone	2.31	43	275879	79.187	ug/L	99
14) Carbon disulfide	2.47	76	500403	48.424	ug/L	100
15) Methyl Acetate	2.61	43	285161	52.791	ug/L	98
16) Methylene chloride	2.70	84	198670	49.164	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	172929	48.961	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	598606	50.596	ug/L	100
19) 1,1-Dichloroethane	3.44	63	374025	51.314	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	200370	51.378	ug/L	97
22) 2-Butanone	4.26	43	423605	103.704	ug/L	97

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	92615	50.232	ug/L	99
25) Chloroform	4.67	83	370173	50.530	ug/L	95
27) 1,2-Dichloroethane	5.40	62	285570	51.074	ug/L	99
29) Cyclohexane	4.99	56	330982	49.166	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	286921	49.845	ug/L	99
31) Carbon tetrachloride	5.13	117	249146	50.227	ug/L	99
33) Benzene	5.38	78	787317	50.937	ug/L	100
34) Trichloroethene	6.18	95	188290	49.668	ug/L	98
35) Methylcyclohexane	6.41	83	276702	47.295	ug/L	99
37) 1,2-Dichloropropane	6.43	63	221406	50.587	ug/L	99
38) Bromodichloromethane	6.75	83	269876	51.114	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	315551	50.654	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	741865	105.407	ug/L	100
42) Toluene	7.63	91	802109	50.838	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	277763	50.595	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	184031	49.579	ug/L	98
46) Tetrachloroethene	8.22	164	129805	47.096	ug/L	99
48) 2-Hexanone	8.36	43	588501	107.175	ug/L	99
49) Dibromochloromethane	8.47	129	199756	50.716	ug/L	98
50) 1,2-Dibromoethane	8.58	107	198214	49.349	ug/L	100
51) Chlorobenzene	9.12	112	482601	49.872	ug/L	100
52) Ethylbenzene	9.24	91	856403	49.797	ug/L	99
53) m,p-Xylene	9.37	106	300652	50.125	ug/L	96
54) o-xylene	9.77	106	303460	50.863	ug/L	93
55) Styrene	9.79	104	533096	52.093	ug/L	100
56) Isopropylbenzene	10.16	105	798720	50.847	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	338175	50.369	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	275282	52.516	ug/L	99
61) Bromoform	9.95	173	145599	50.788	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	333511	48.627	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	345513	49.526	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	361026	52.477	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	78941	53.976	ug/L	90
67) 1,3,5-Trichlorobenzene	12.88	180	240532	47.988	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	214519	50.337	ug/L	99
69) Naphthalene	13.74	128	723380	52.360	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	230774	51.829	ug/L	99

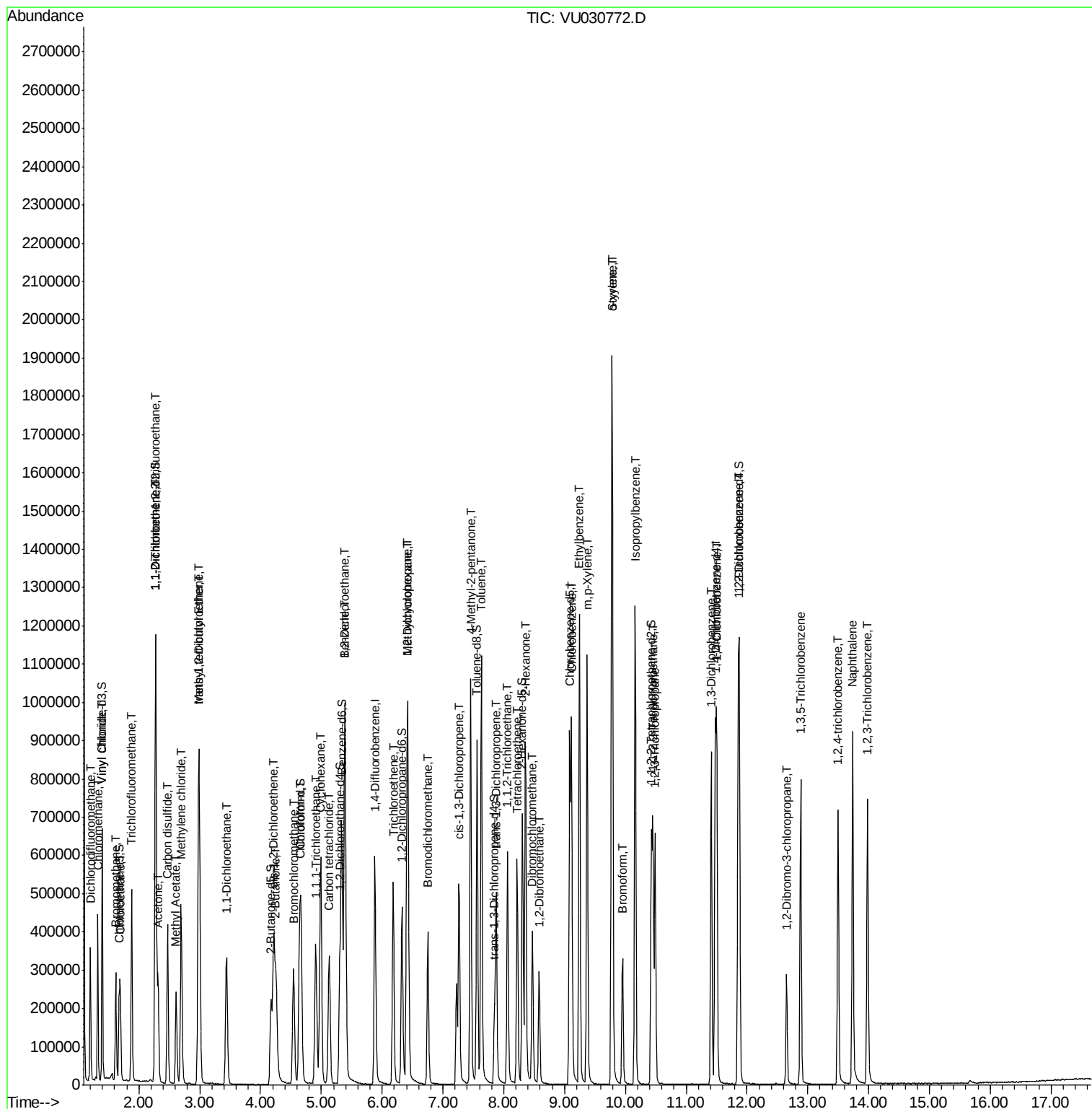
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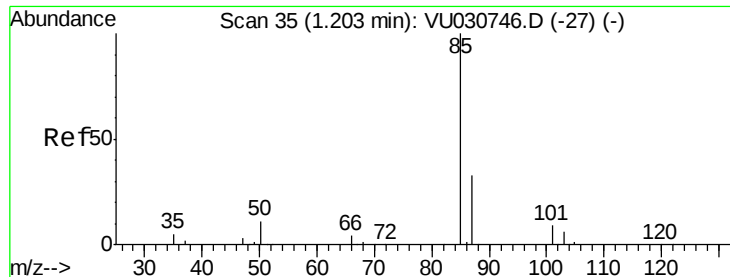
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#2

Dichlorodifluoromethane

Concen: 47.255 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

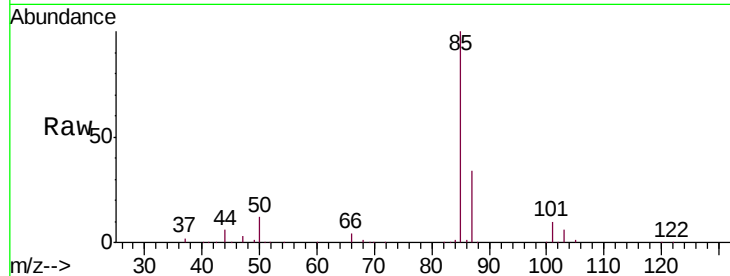
VSTD05052

Tgt Ion: 85 Resp: 199748

Ion Ratio Lower Upper

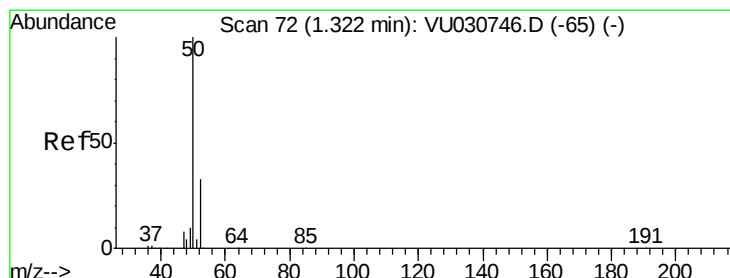
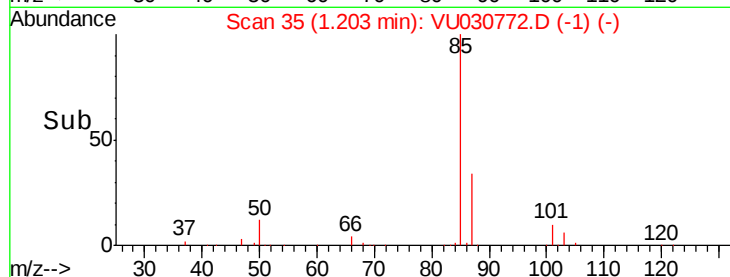
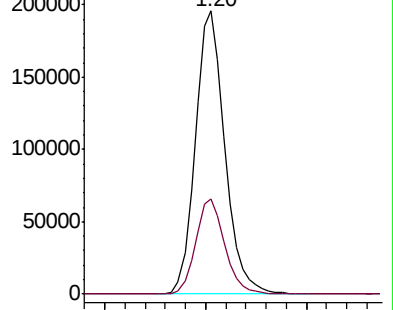
85 100

87 33.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU030772.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030772.D (-1) (-)



#3

Chloromethane

Concen: 48.226 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030772.D

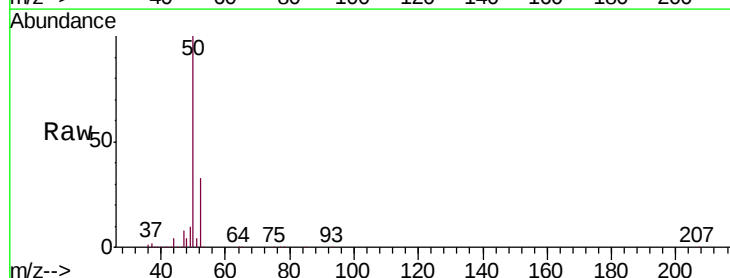
Acq: 06 Apr 2019 03:20

Tgt Ion: 50 Resp: 263679

Ion Ratio Lower Upper

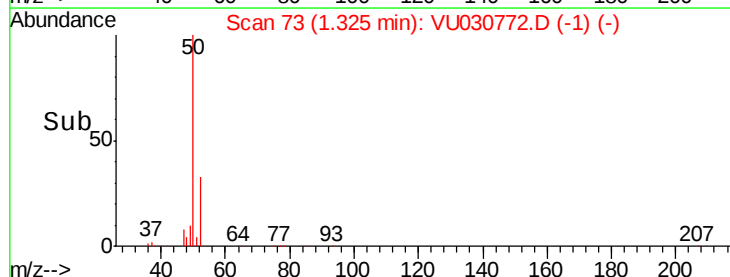
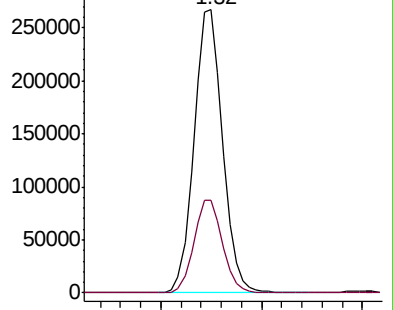
50 100

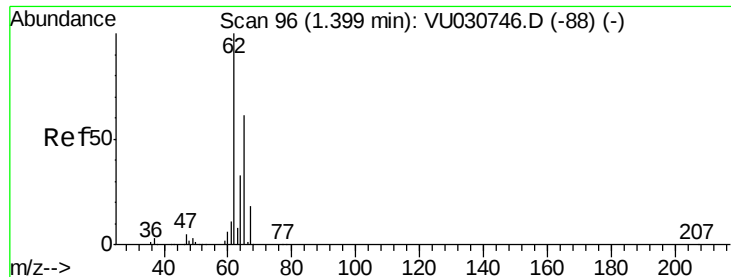
52 32.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU030772.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030772.D (-1) (-)





#5

Vinyl chloride

Concen: 49.198 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

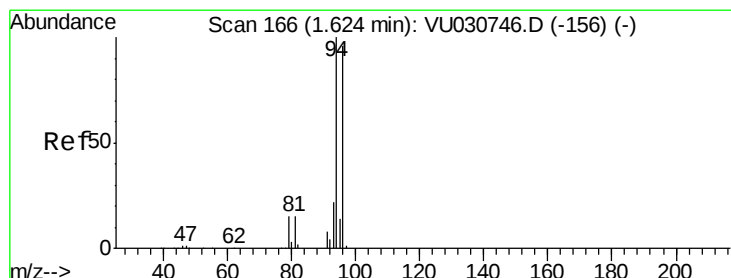
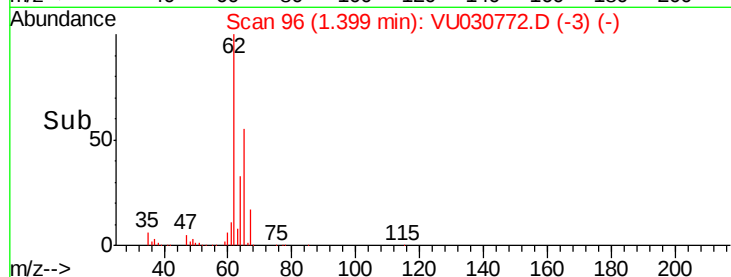
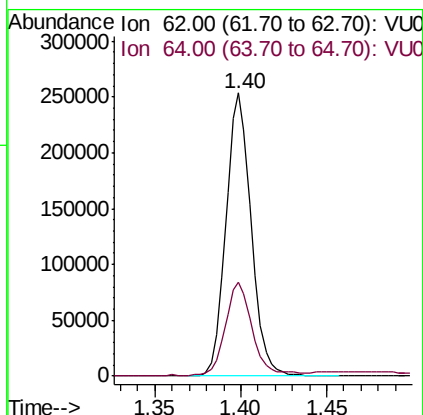
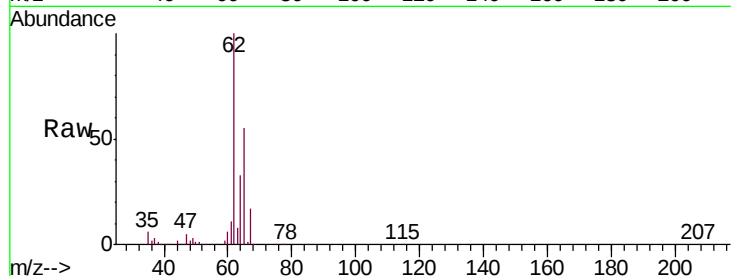
VSTD05052

Tgt Ion: 62 Resp: 260389

Ion Ratio Lower Upper

62 100

64 33.2 21.5 39.9



#6

Bromomethane

Concen: 48.416 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU030772.D

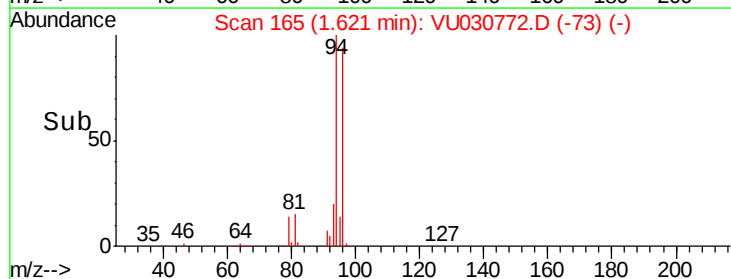
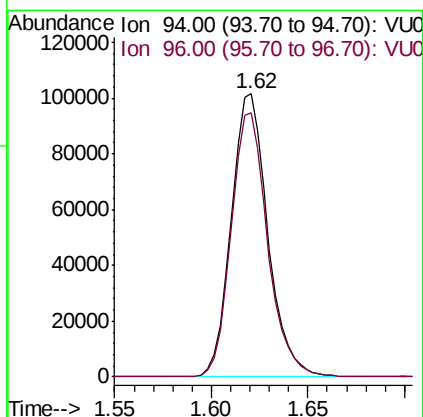
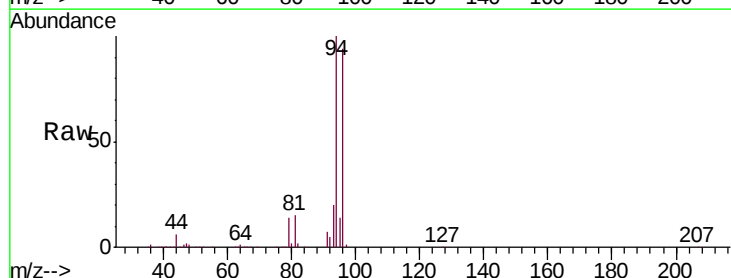
Acq: 06 Apr 2019 03:20

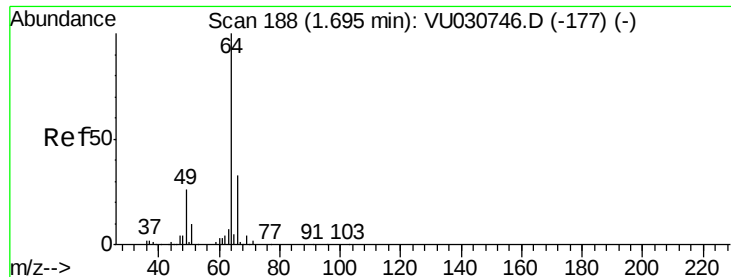
Tgt Ion: 94 Resp: 132760

Ion Ratio Lower Upper

94 100

96 93.5 65.5 121.7

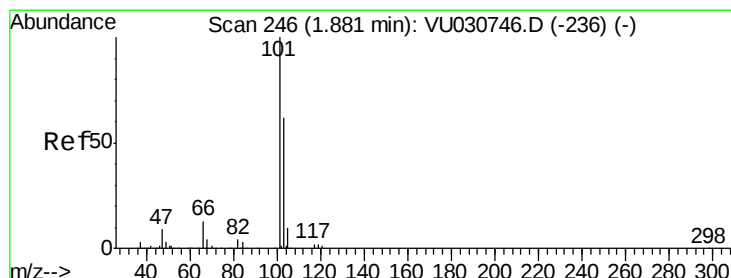
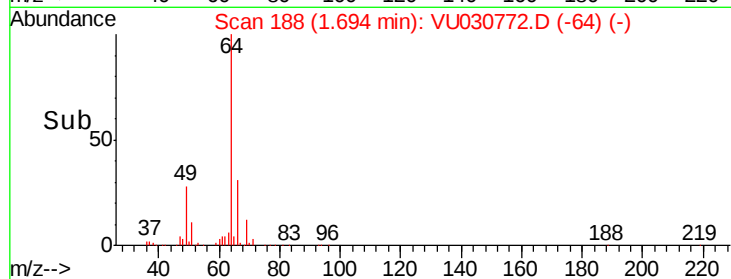
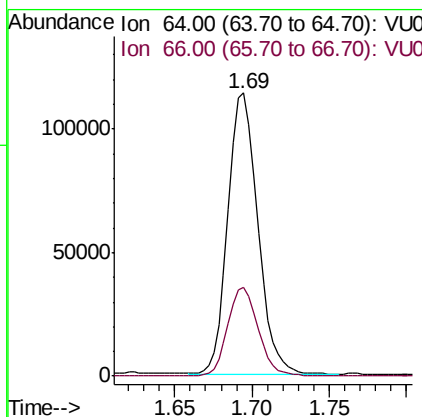
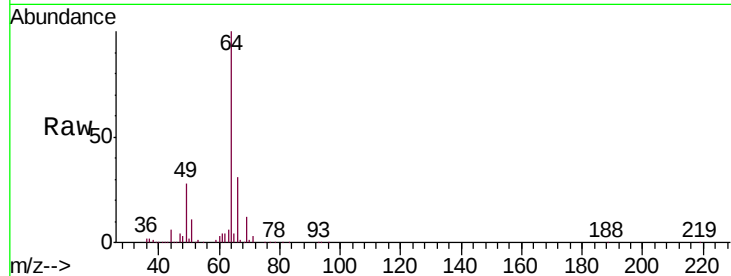




#8
Chloroethane
Concen: 50.488 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

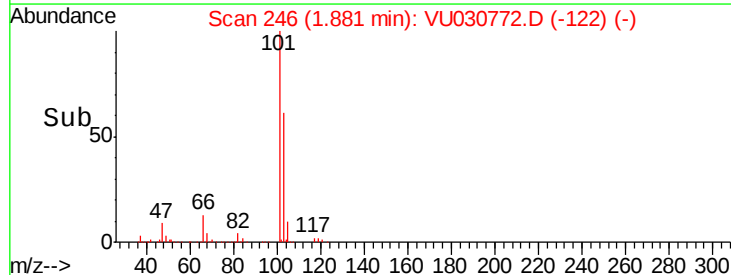
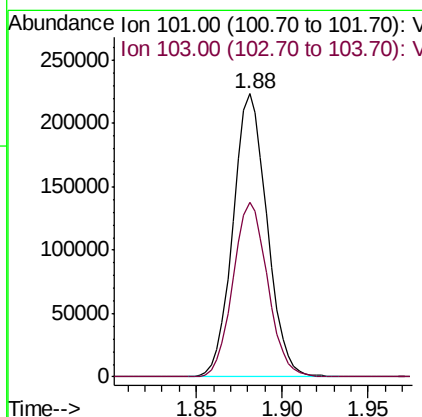
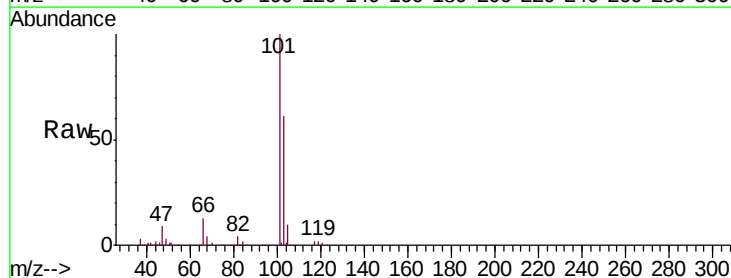
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

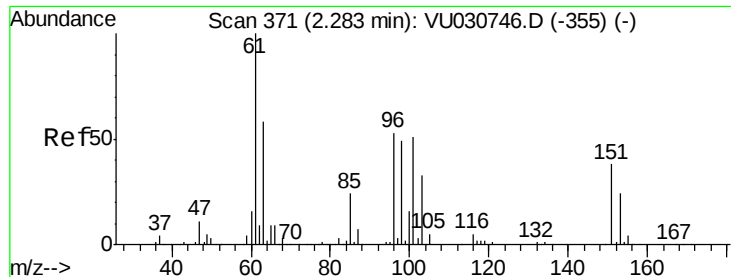
Tgt Ion: 64 Resp: 152407
Ion Ratio Lower Upper
64 100
66 31.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 50.163 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

Tgt Ion: 101 Resp: 309358
Ion Ratio Lower Upper
101 100
103 62.4 51.8 77.8





#10

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

Concen: 47.050 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

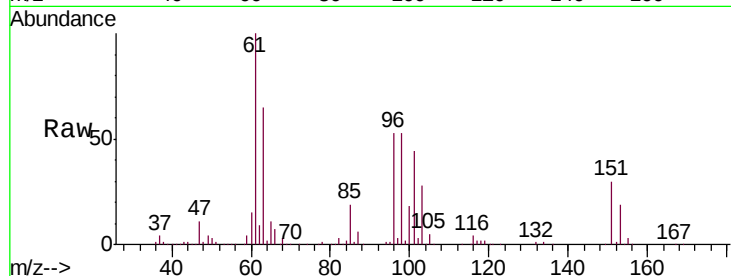
Tgt Ion: 101 Resp: 162126

Ion Ratio Lower Upper

101 100

85 45.2 36.8 55.2

151 69.1 57.4 86.0

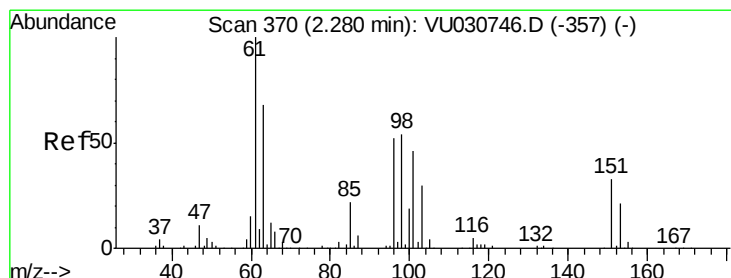
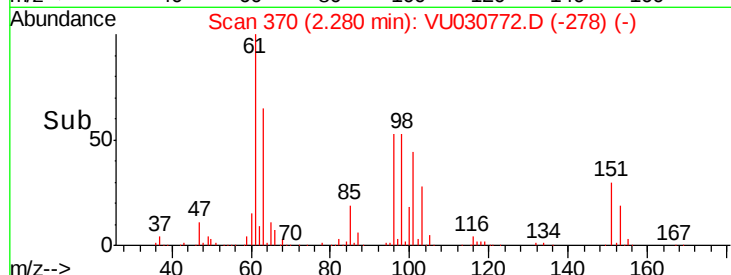
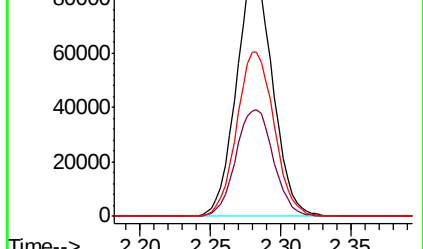


Abundance Ion 101.00 (100.70 to 101.70): VU030772.D (-278) (-)

Ion 85.00 (84.70 to 85.70): VU030772.D (-278) (-)

Ion 151.00 (150.70 to 151.70): VU030772.D (-278) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 50.433 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

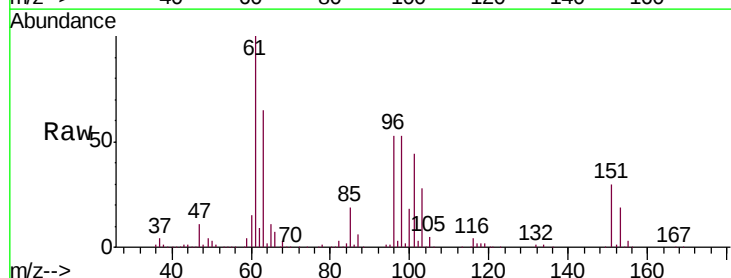
Tgt Ion: 96 Resp: 167765

Ion Ratio Lower Upper

96 100

61 189.1 132.0 245.2

63 122.7 90.9 168.9

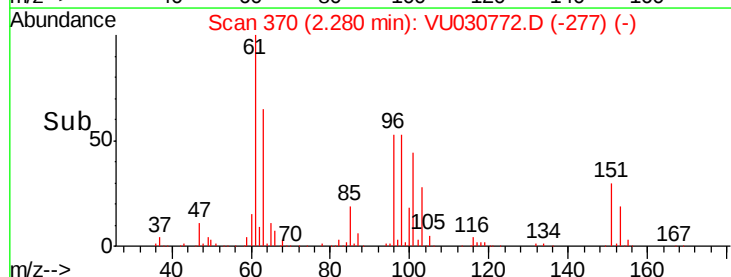
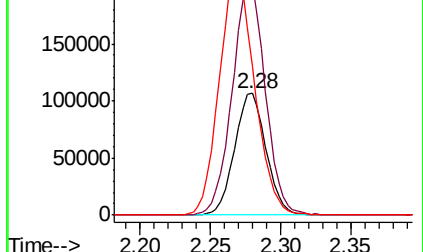


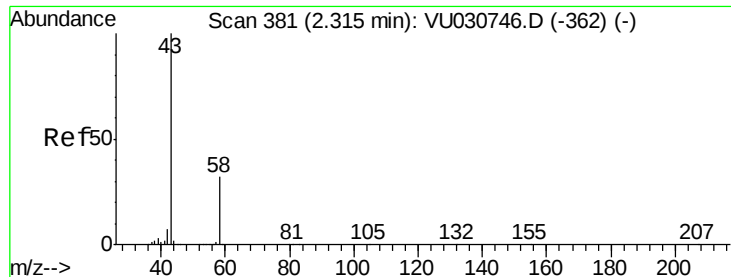
Abundance Ion 96.00 (95.70 to 96.70): VU030772.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU030772.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU030772.D (-277) (-)

Time-->





#13

Acetone

Concen: 79.187 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

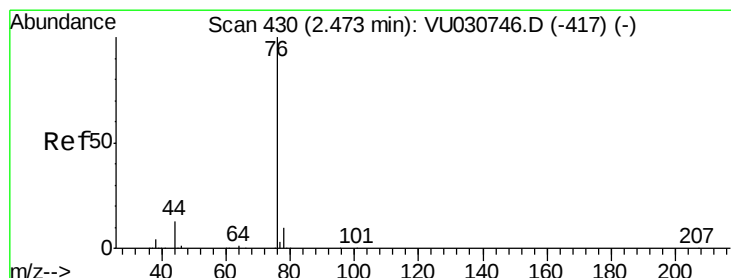
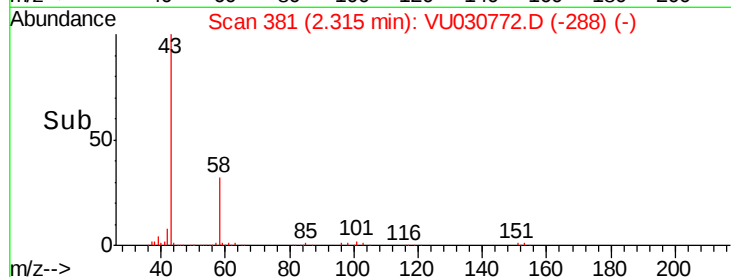
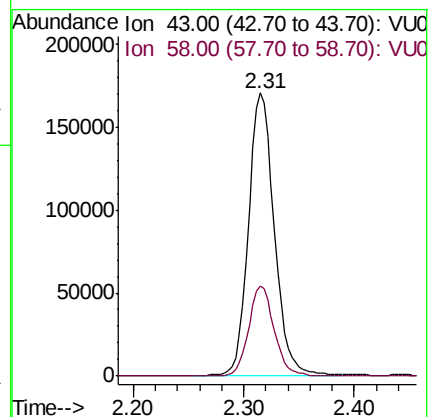
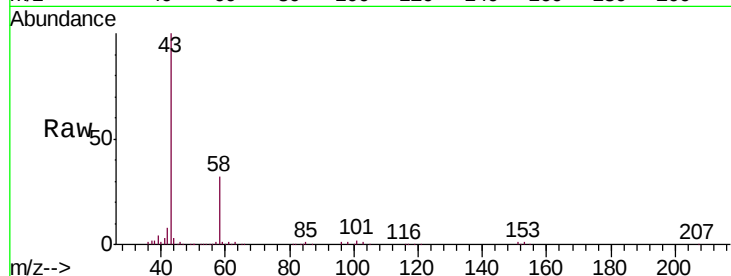
VSTD05052

Tgt Ion: 43 Resp: 275879

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.0



#14

Carbon disulfide

Concen: 48.424 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU030772.D

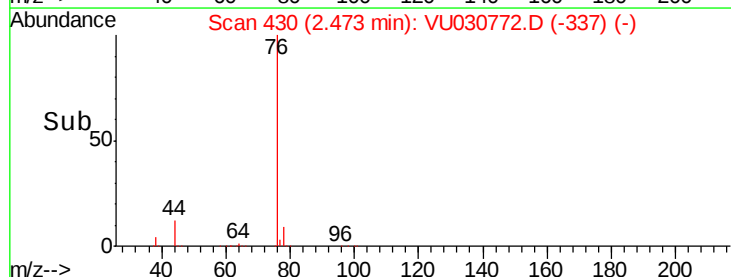
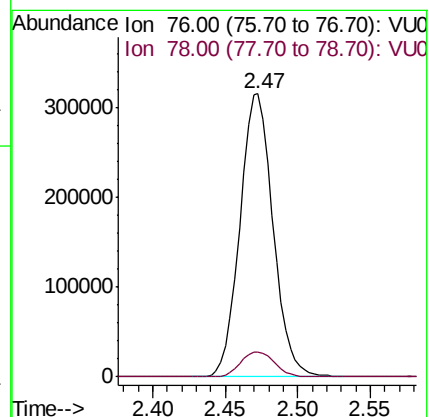
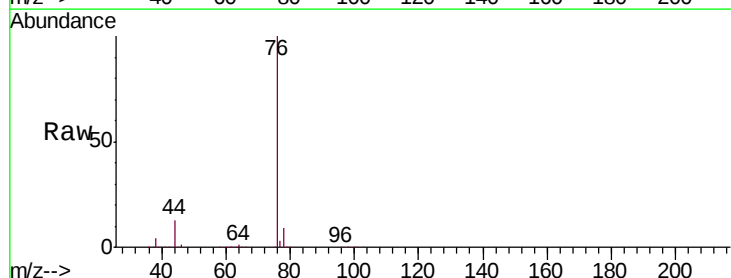
Acq: 06 Apr 2019 03:20

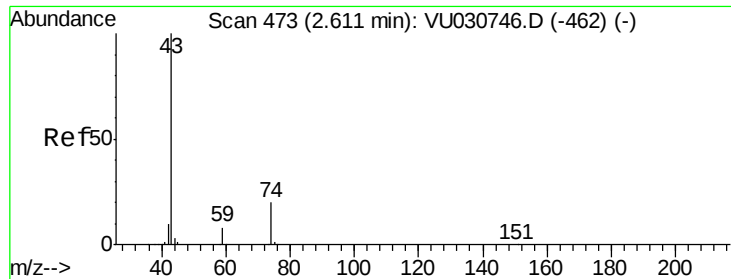
Tgt Ion: 76 Resp: 500403

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

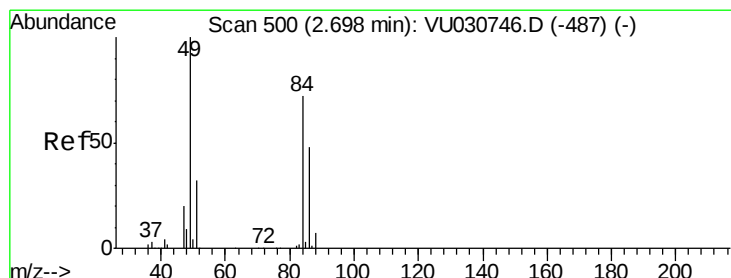
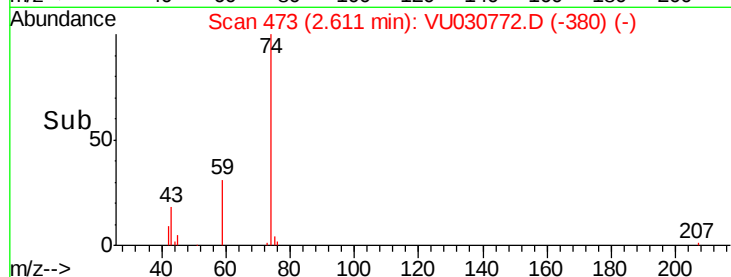
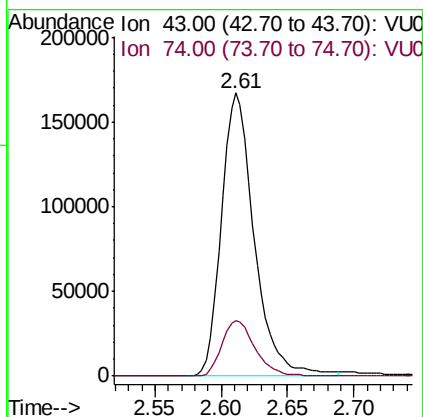
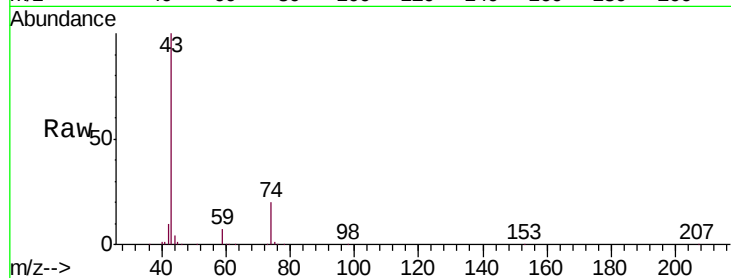




#15
Methyl Acetate
Concen: 52.791 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

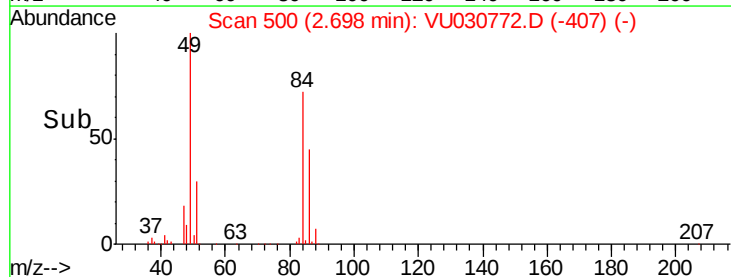
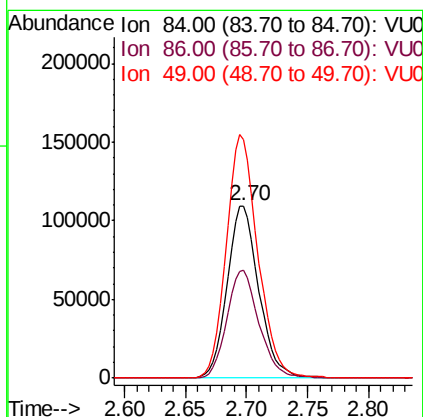
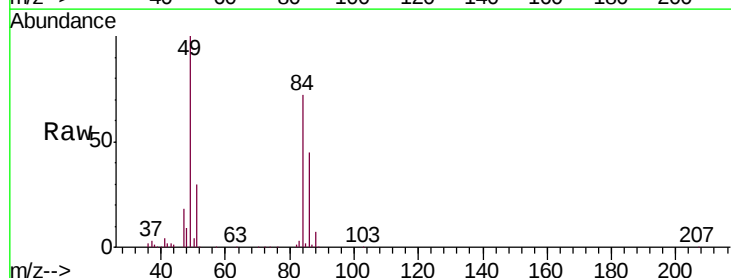
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

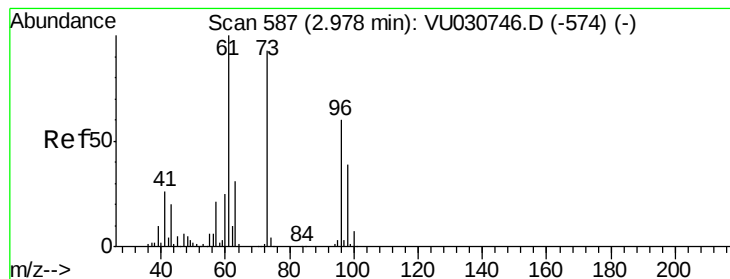
Tgt Ion: 43 Resp: 285161
Ion Ratio Lower Upper
43 100
74 20.2 17.1 25.7



#16
Methylene chloride
Concen: 49.164 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

Tgt Ion: 84 Resp: 198670
Ion Ratio Lower Upper
84 100
86 62.3 45.1 83.7
49 138.4 96.5 179.1





#17

trans-1,2-Dichloroethene

Concen: 48.961 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

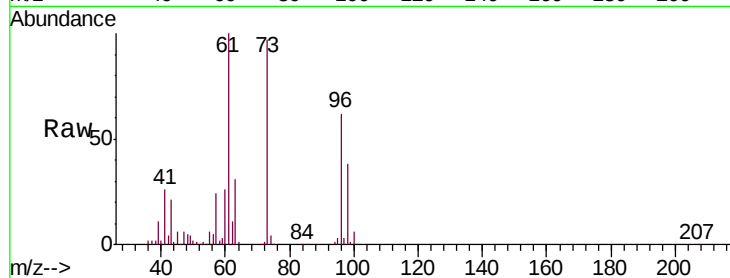
Tgt Ion: 96 Resp: 172929

Ion Ratio Lower Upper

96 100

61 160.1 109.5 203.3

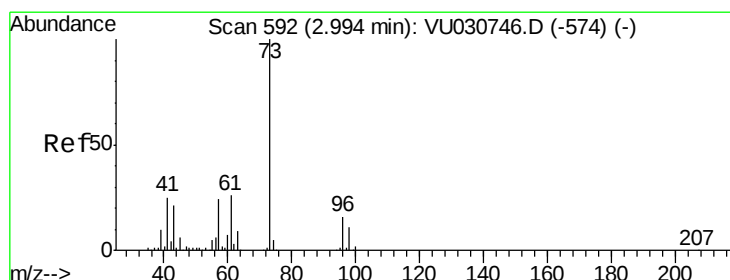
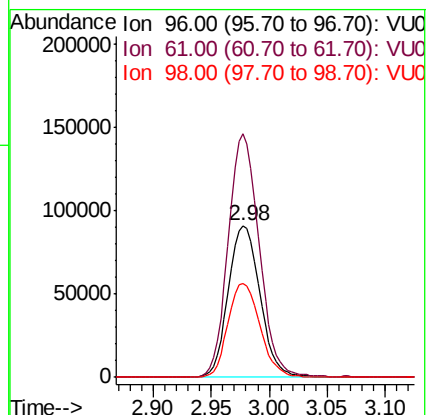
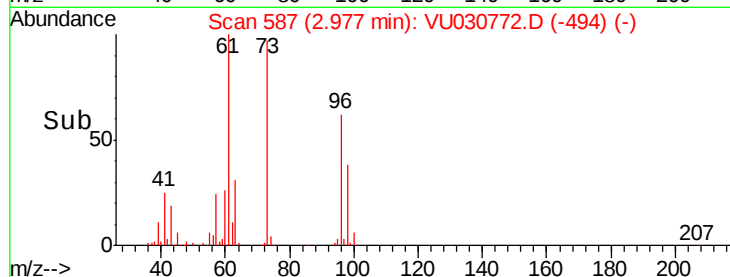
98 61.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030772.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU030772.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU030772.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 50.596 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

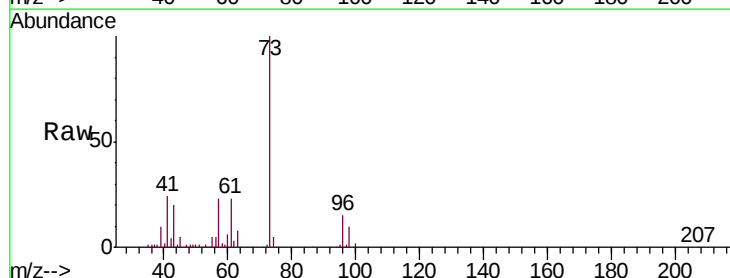
Tgt Ion: 73 Resp: 598606

Ion Ratio Lower Upper

73 100

43 20.4 16.4 24.6

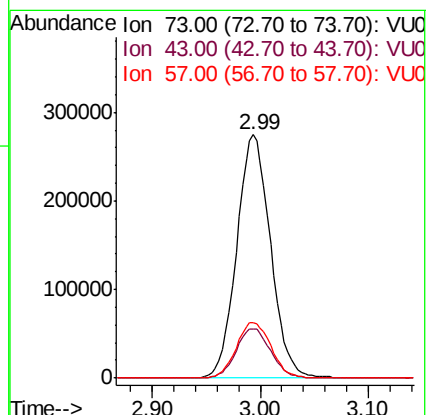
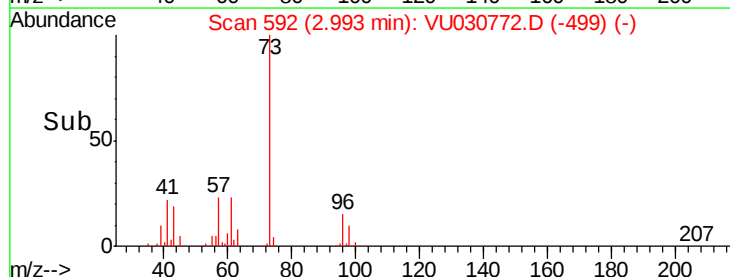
57 23.5 19.0 28.4

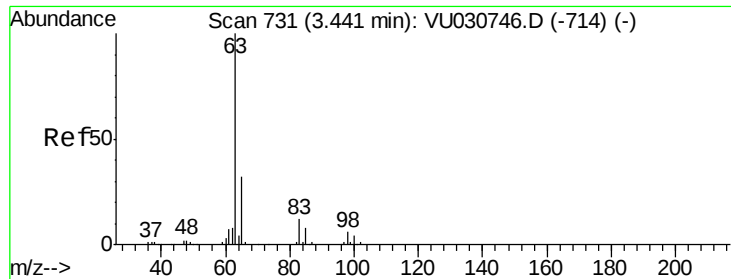


Abundance Ion 73.00 (72.70 to 73.70): VU030772.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU030772.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU030772.D (-499) (-)

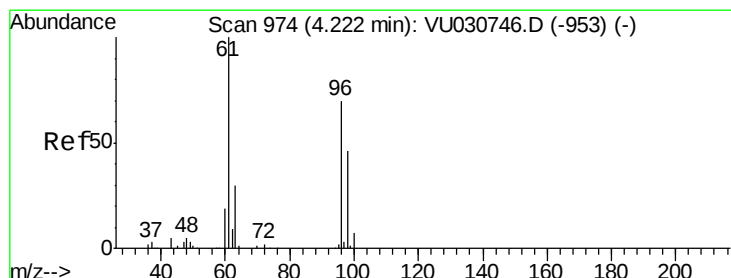
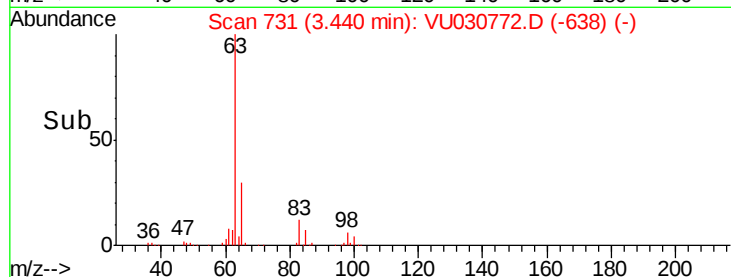
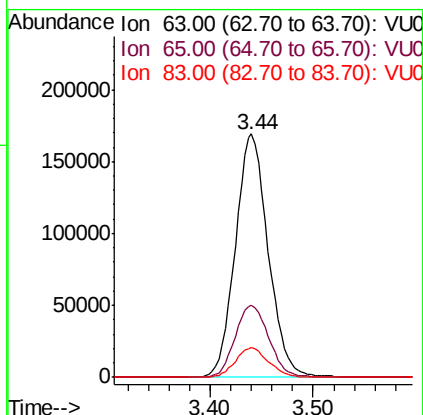
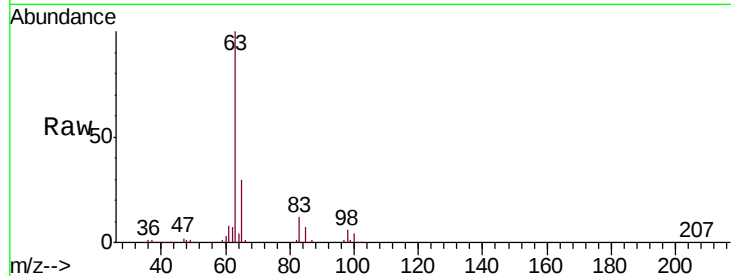




#19
 1,1-Dichloroethane
 Concen: 51.314 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

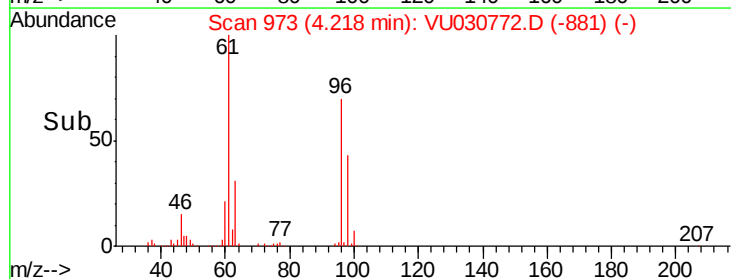
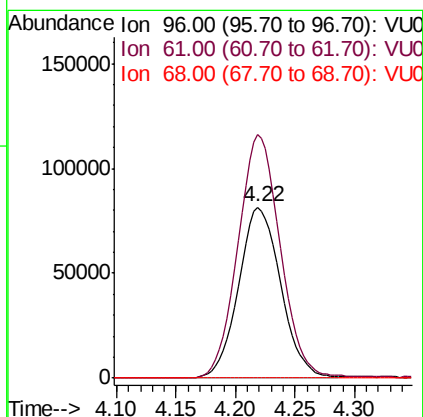
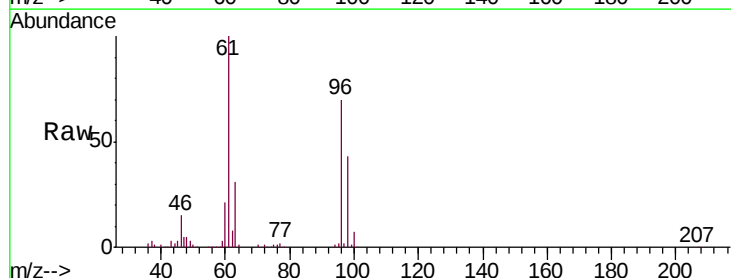
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

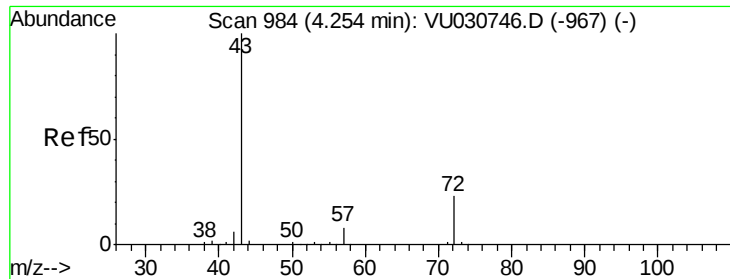
Tgt Ion: 63 Resp: 374025
 Ion Ratio Lower Upper
 63 100
 65 29.6 21.4 39.8
 83 12.1 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 51.378 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

Tgt Ion: 96 Resp: 200370
 Ion Ratio Lower Upper
 96 100
 61 142.7 102.9 191.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.704 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

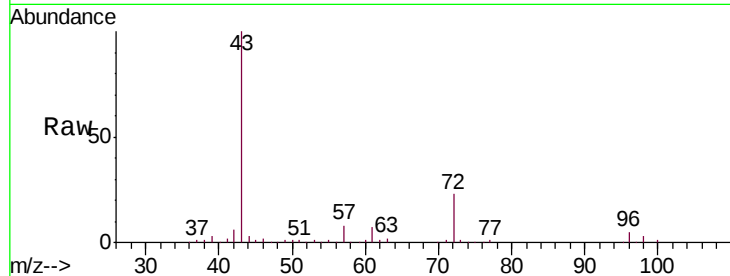
VSTD05052

Tgt Ion: 43 Resp: 423605

Ion Ratio Lower Upper

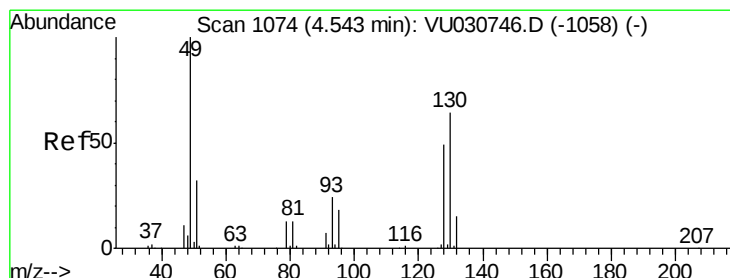
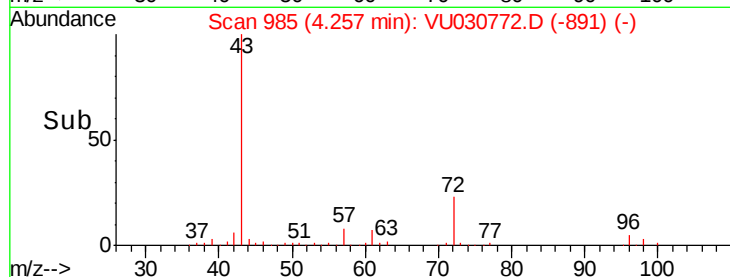
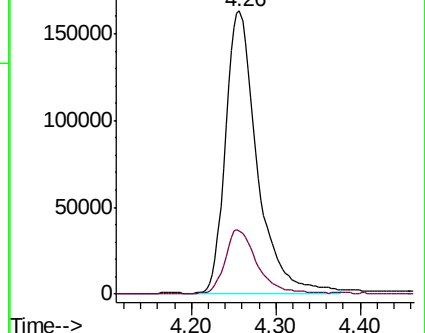
43 100

72 22.8 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VU030772.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VU030772.D (-891) (-)



#23

Bromochloromethane

Concen: 50.232 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Tgt Ion: 128 Resp: 92615

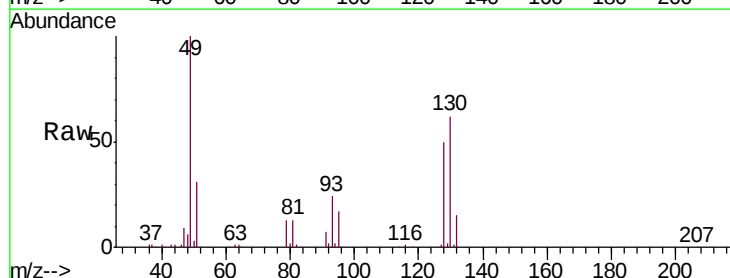
Ion Ratio Lower Upper

128 100

49 201.5 139.9 259.7

130 124.0 86.6 160.8

51 62.5 52.2 78.4

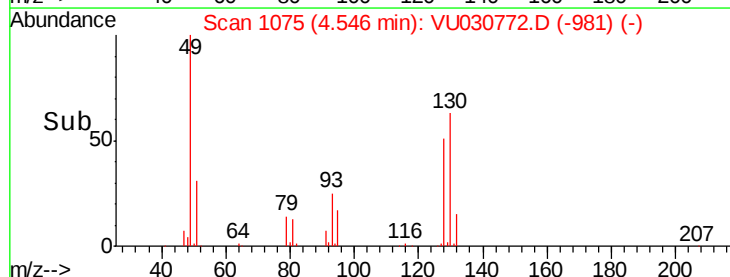
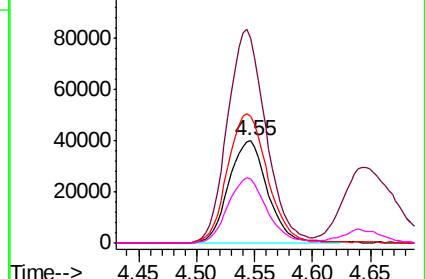


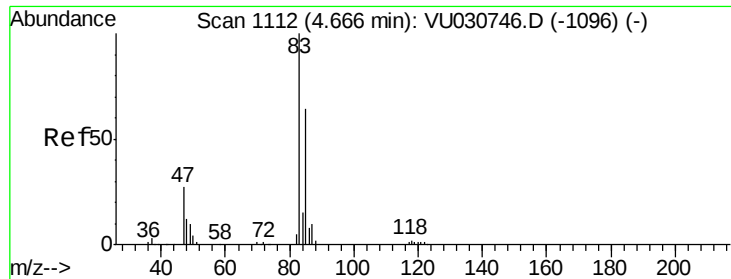
Abundance Ion 128.00 (127.70 to 128.70): VU030772.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VU030772.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VU030772.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VU030772.D (-981) (-)

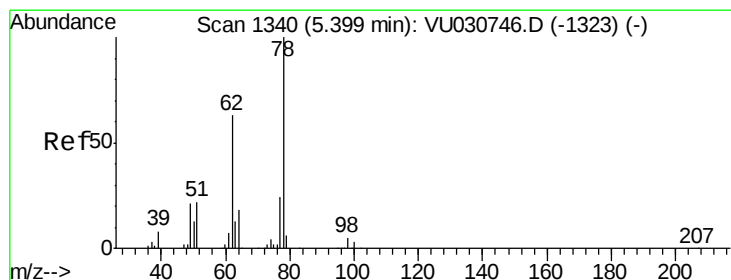
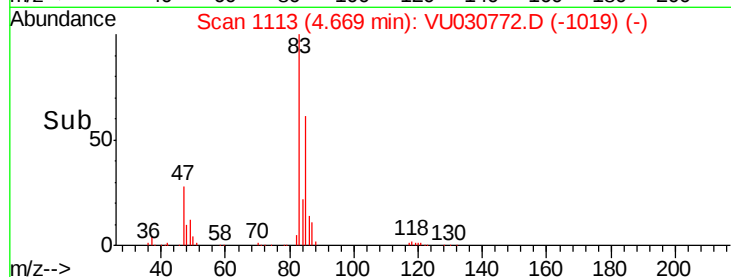
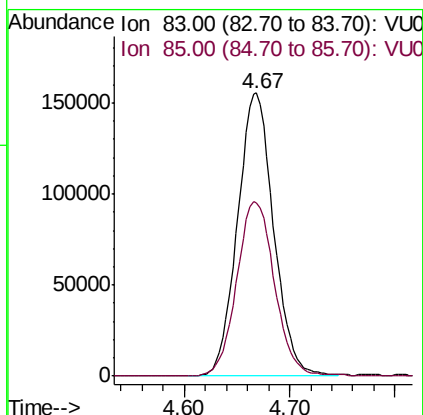
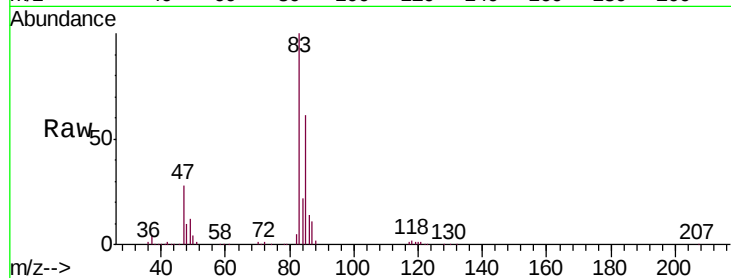




#25
Chloroform
Concen: 50.530 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

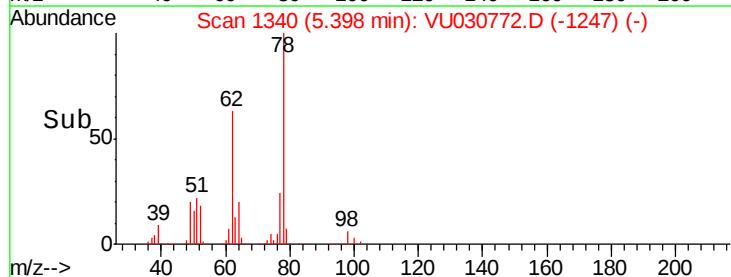
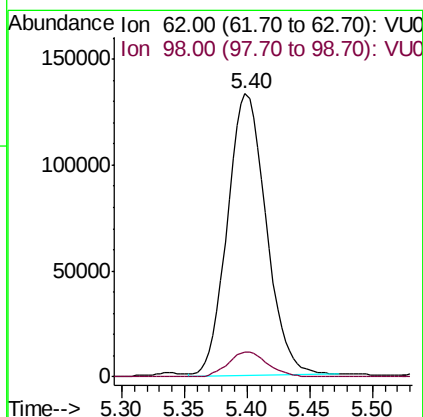
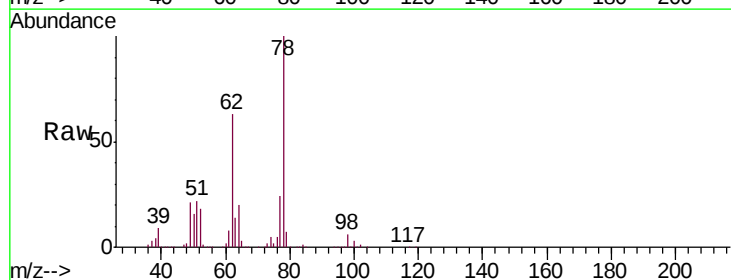
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

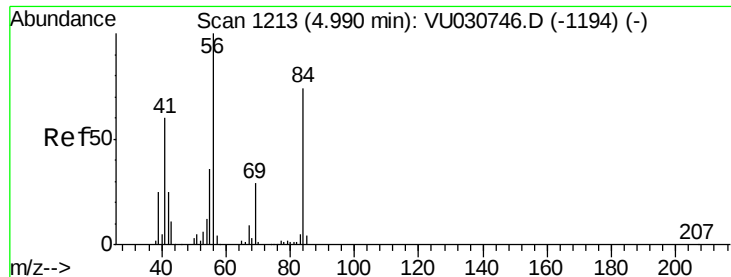
Tgt Ion: 83 Resp: 370173
Ion Ratio Lower Upper
83 100
85 61.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 51.074 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

Tgt Ion: 62 Resp: 285570
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8

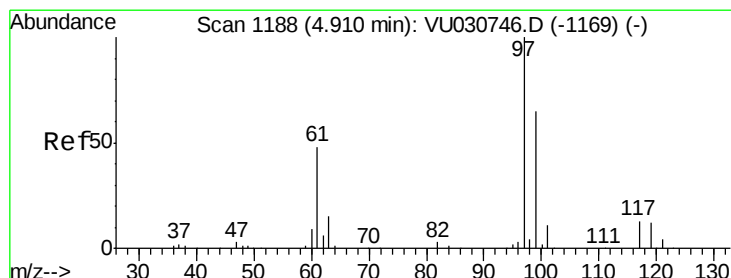
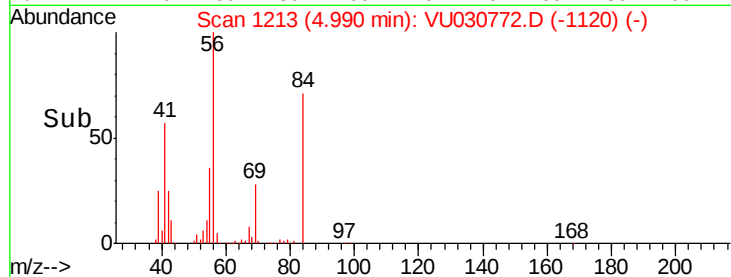
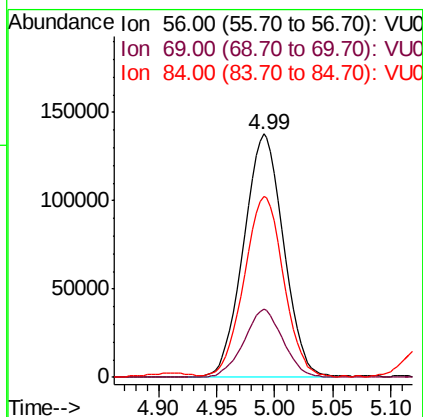
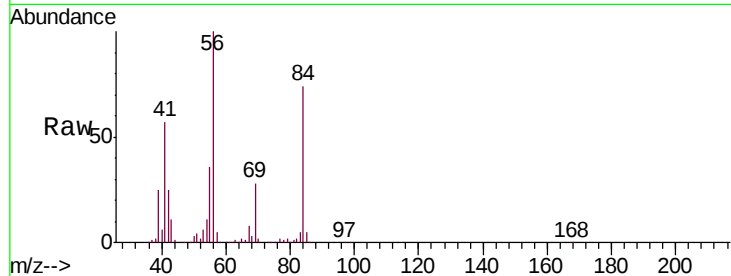




#29
Cyclohexane
Concen: 49.166 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

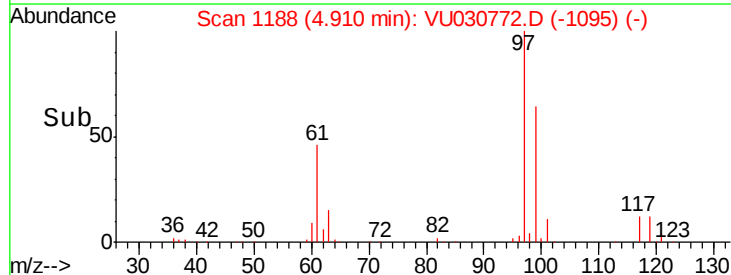
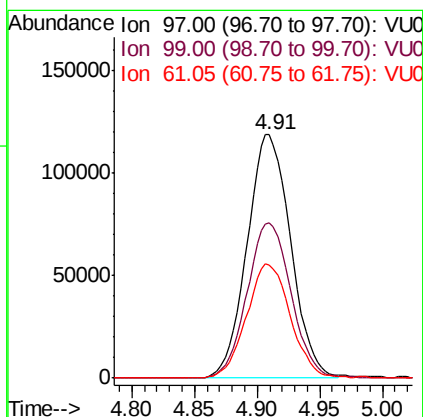
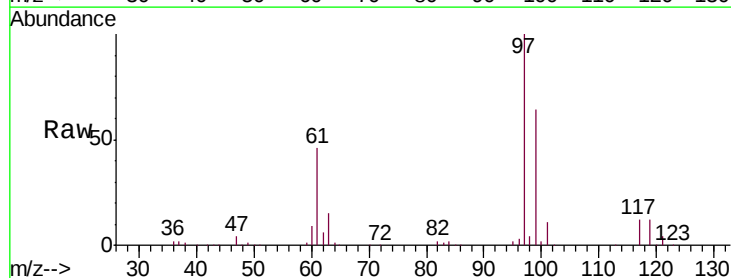
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

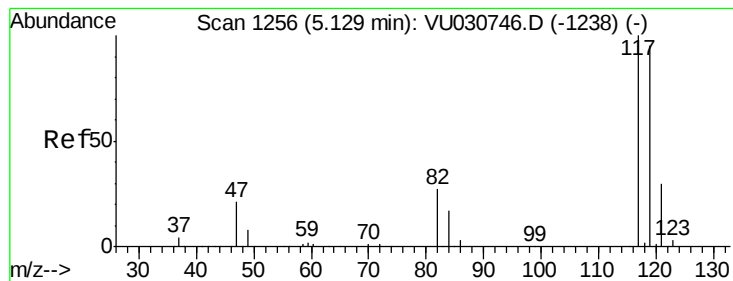
Tgt Ion: 56 Resp: 330982
Ion Ratio Lower Upper
56 100
69 27.2 22.0 33.0
84 72.7 58.2 87.2



#30
1,1,1-Trichloroethane
Concen: 49.845 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

Tgt Ion: 97 Resp: 286921
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.2
61 47.1 37.1 55.7





#31

Carbon tetrachloride

Concen: 50.227 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

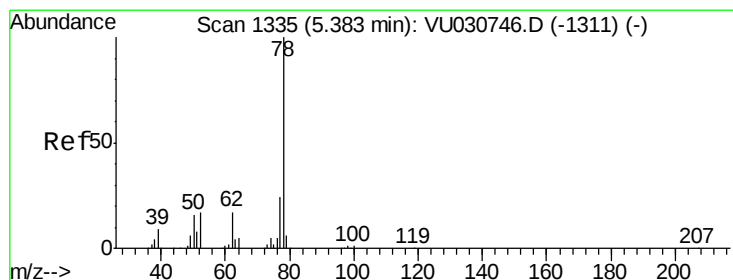
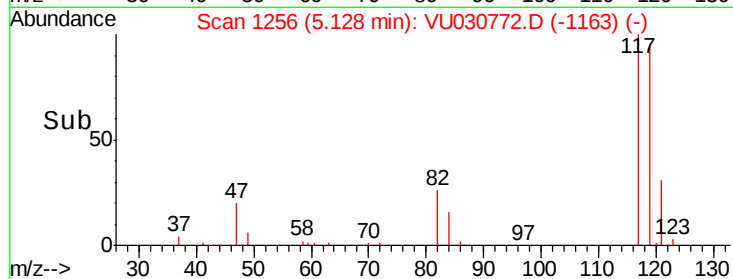
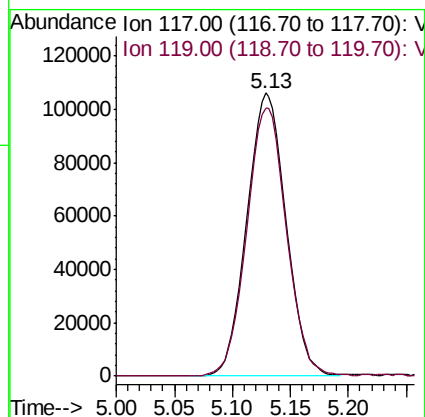
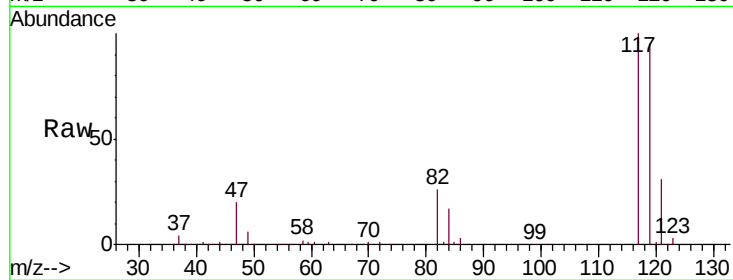
VSTD05052

Tgt Ion:117 Resp: 249146

Ion Ratio Lower Upper

117 100

119 96.4 76.2 114.2



#33

Benzene

Concen: 50.937 ug/L

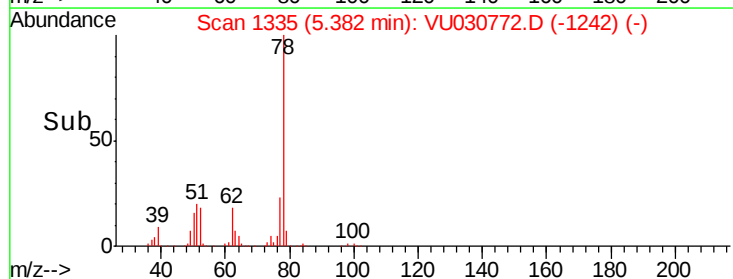
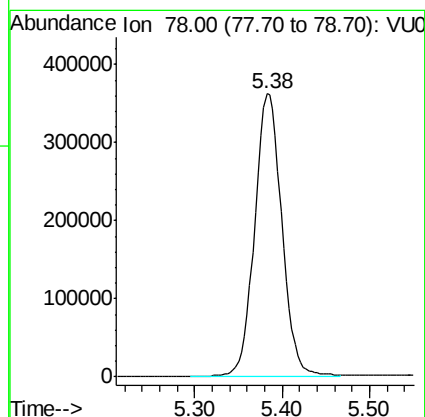
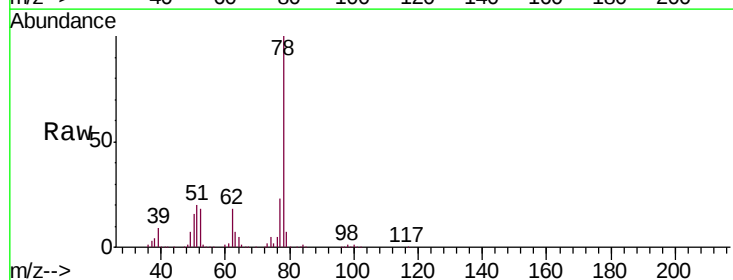
RT: 5.38 min Scan# 1335

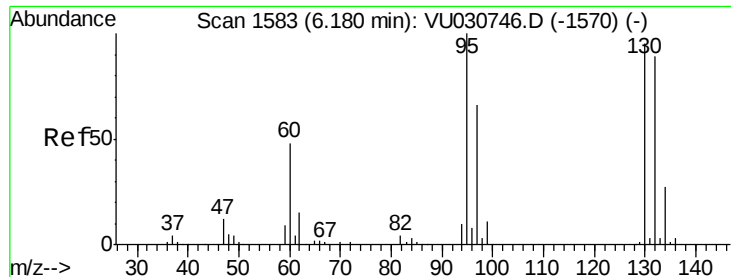
Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Tgt Ion: 78 Resp: 787317





#34

Trichloroethene

Concen: 49.668 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 95 Resp: 188290

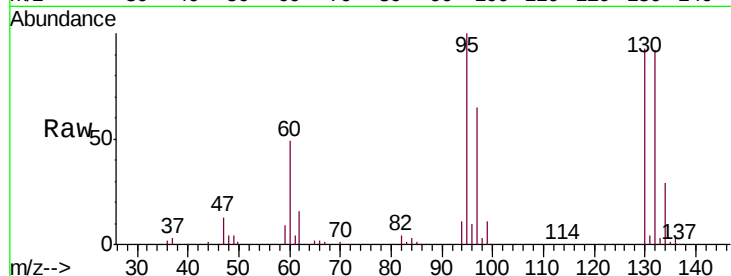
Ion Ratio Lower Upper

95 100

97 65.4 44.5 82.7

132 91.7 61.5 114.1

130 93.4 64.9 120.5

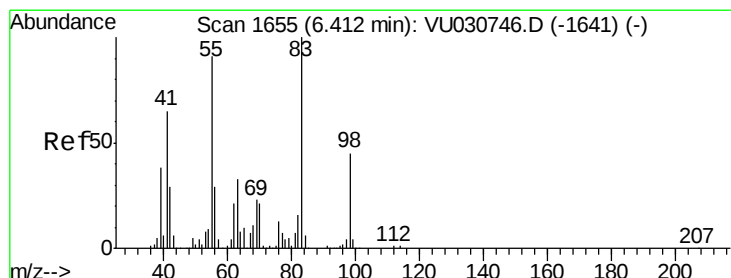
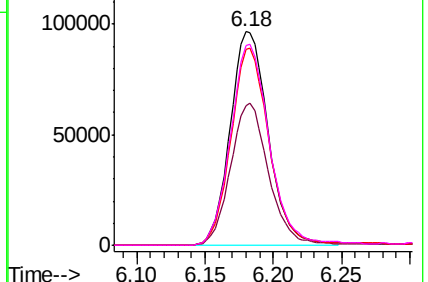
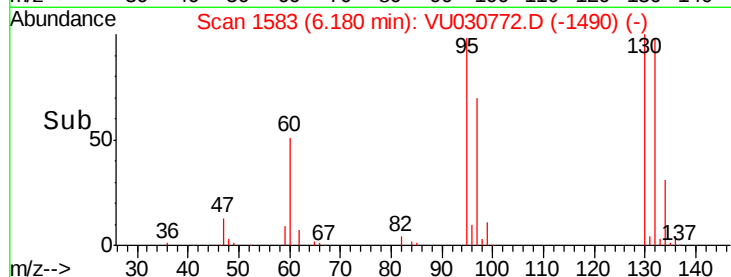


Abundance Ion 95.00 (94.70 to 95.70): VU030772.D (-1562) (-)

Ion 97.00 (96.70 to 97.70): VU030772.D (-1562) (-)

Ion 132.00 (131.70 to 132.70): VU030772.D (-1562) (-)

Ion 130.00 (129.70 to 130.70): VU030772.D (-1562) (-)



#35

Methylcyclohexane

Concen: 47.295 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

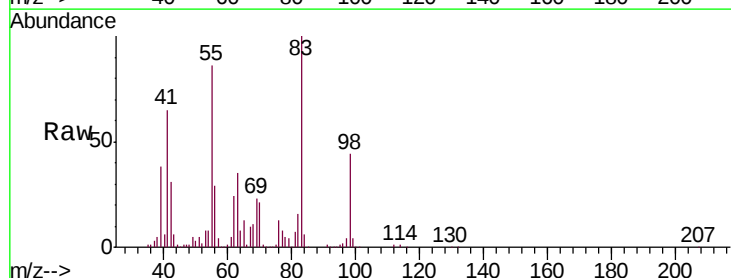
Tgt Ion: 83 Resp: 276702

Ion Ratio Lower Upper

83 100

55 89.3 71.6 107.4

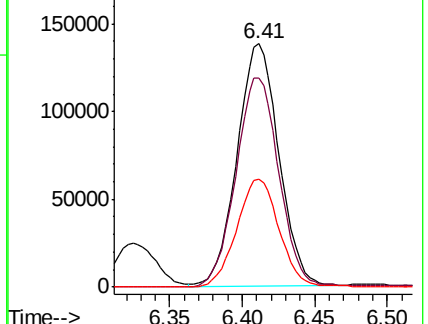
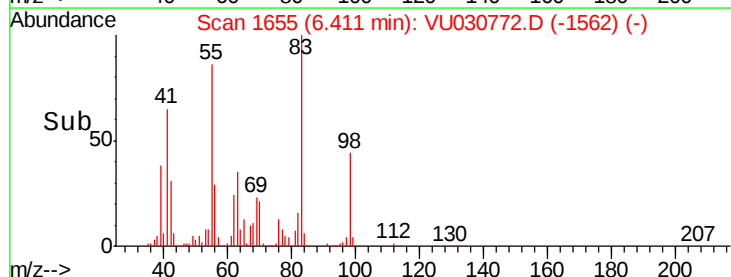
98 45.3 35.4 53.0

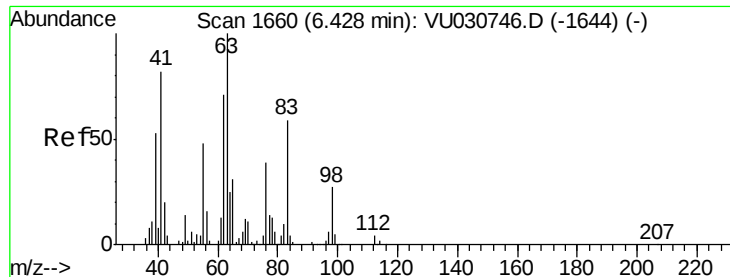


Abundance Ion 83.00 (82.70 to 83.70): VU030772.D (-1562) (-)

Ion 55.00 (54.70 to 55.70): VU030772.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU030772.D (-1562) (-)

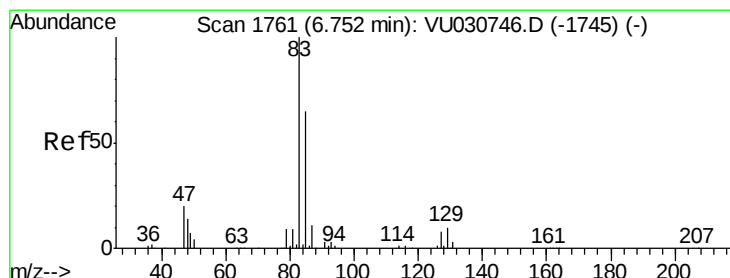
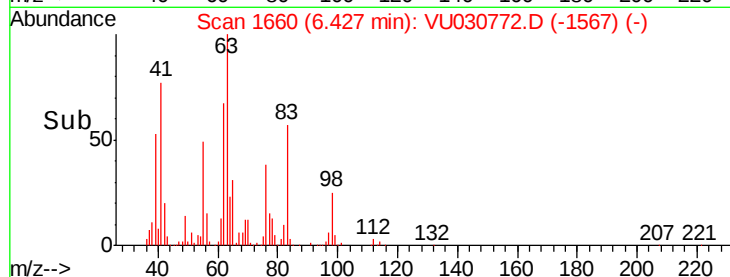
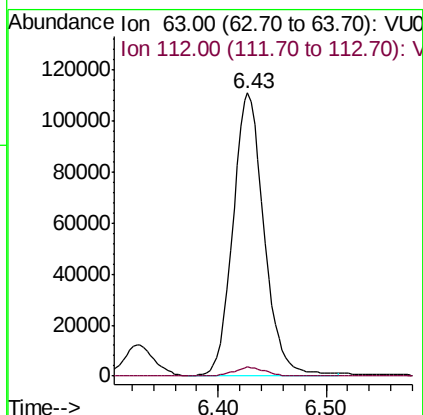
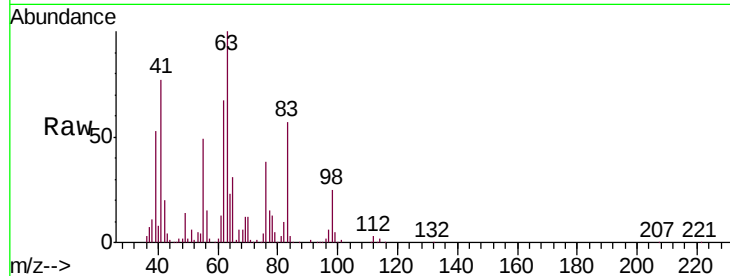




#37
 1,2-Dichloropropane
 Concen: 50.587 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

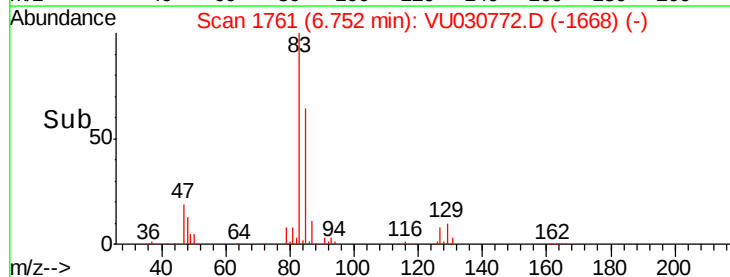
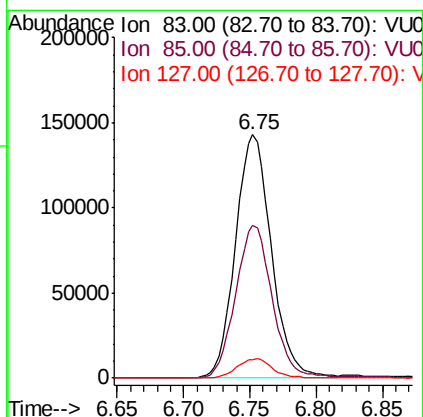
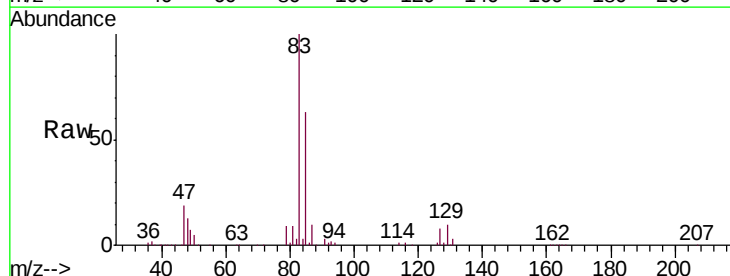
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

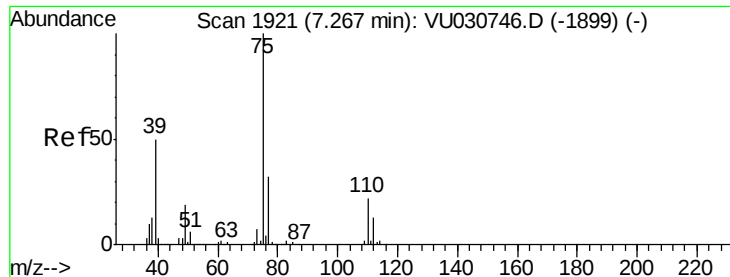
Tgt Ion: 63 Resp: 221406
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.0 4.4



#38
 Bromodichloromethane
 Concen: 51.114 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

Tgt Ion: 83 Resp: 269876
 Ion Ratio Lower Upper
 83 100
 85 62.8 46.5 86.3
 127 7.8 6.6 10.0

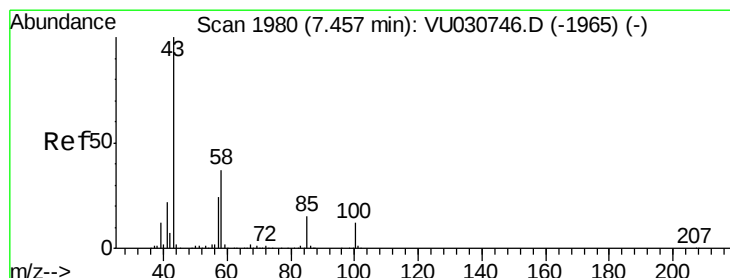
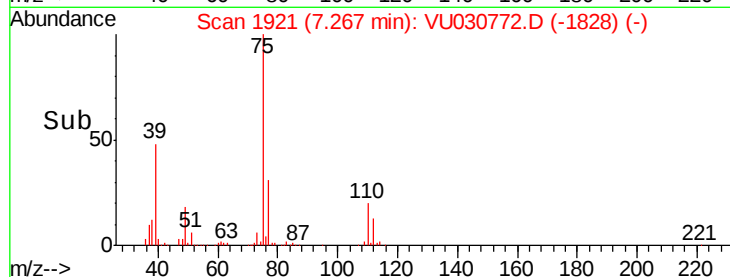
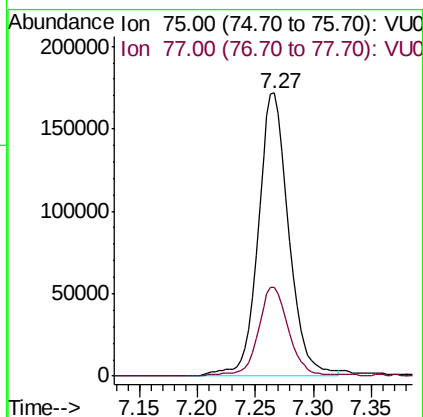
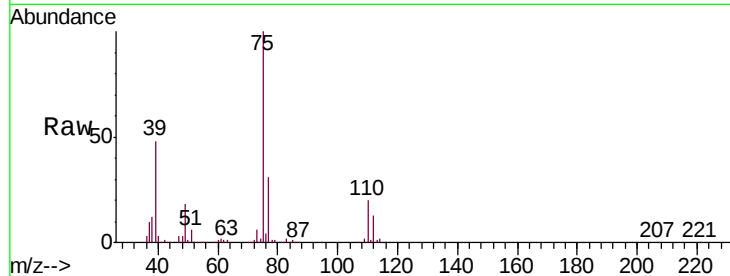




#39
 cis-1,3-Dichloropropene
 Concen: 50.654 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

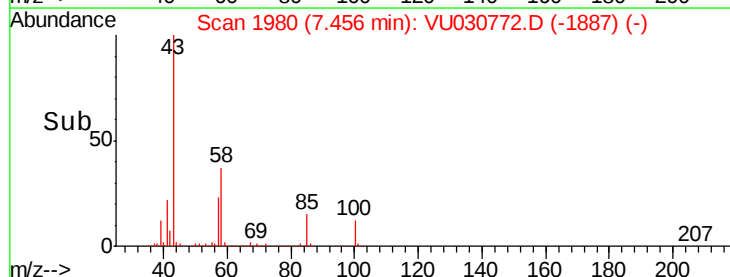
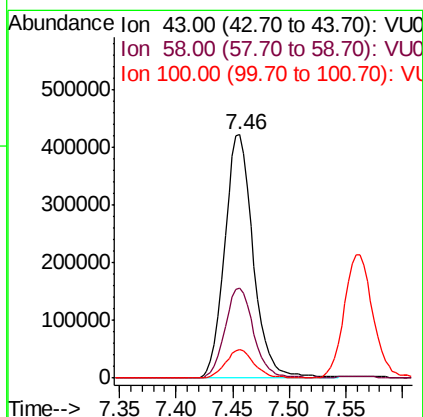
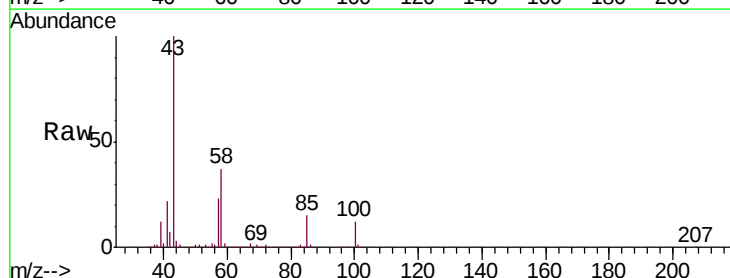
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

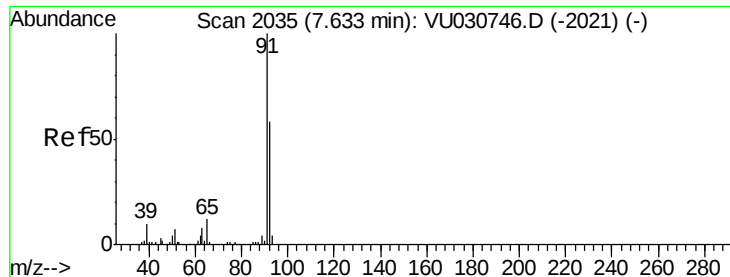
Tgt Ion: 75 Resp: 31551
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 105.407 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

Tgt Ion: 43 Resp: 741865
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.7 44.5
 100 11.7 9.8 14.6





#42

Toluene

Concen: 50.838 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

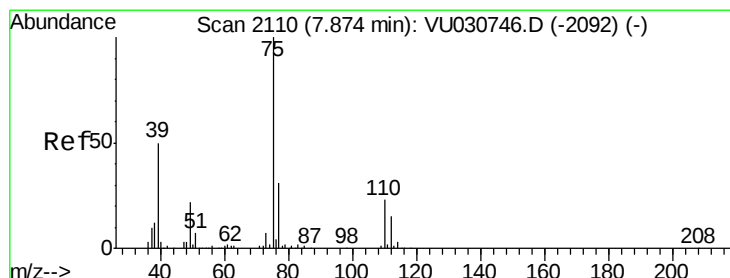
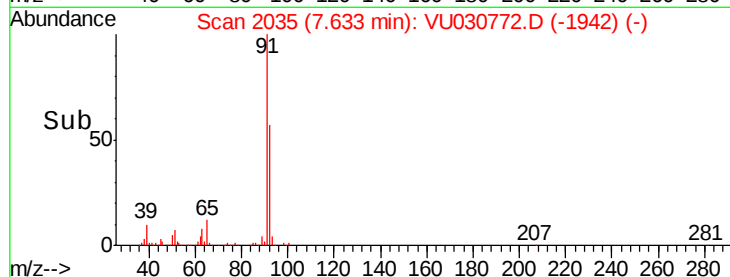
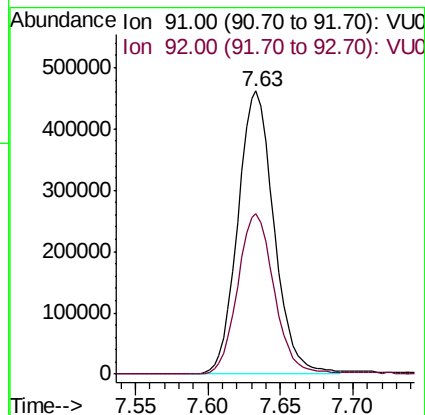
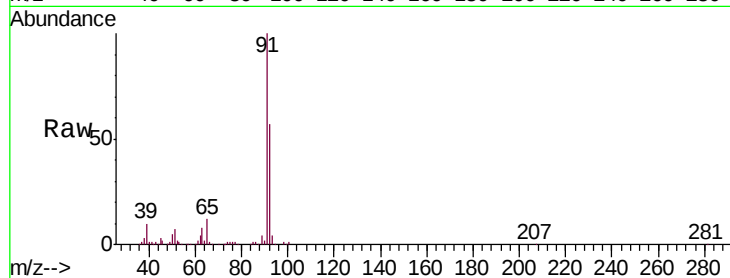
VSTD05052

Tgt Ion: 91 Resp: 802109

Ion Ratio Lower Upper

91 100

92 56.7 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 50.595 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030772.D

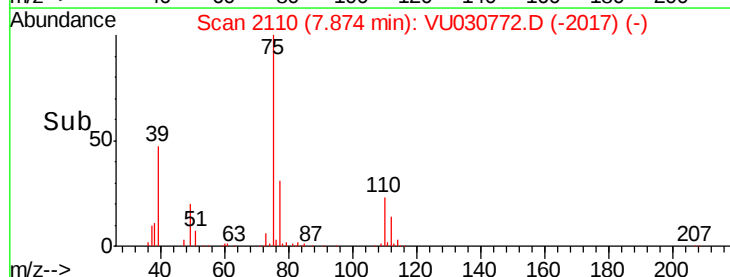
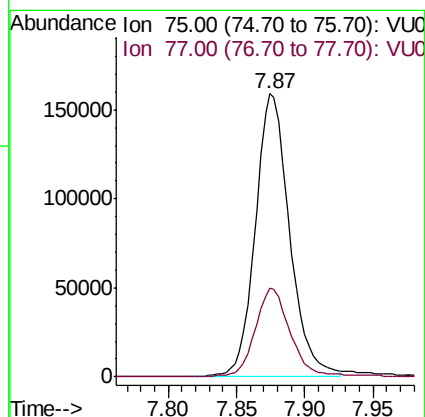
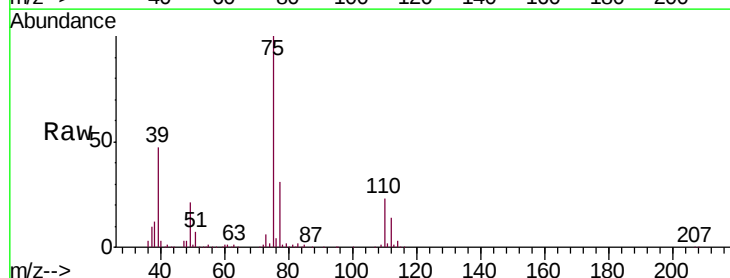
Acq: 06 Apr 2019 03:20

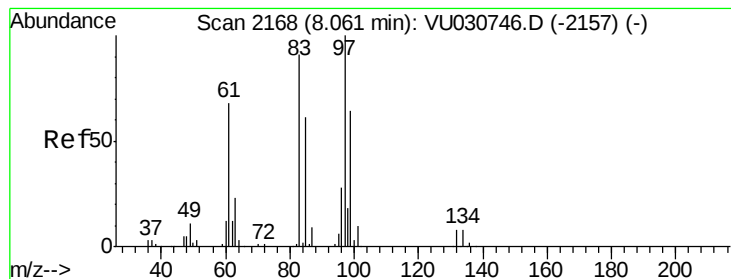
Tgt Ion: 75 Resp: 277763

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 49.579 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 97 Resp: 184031

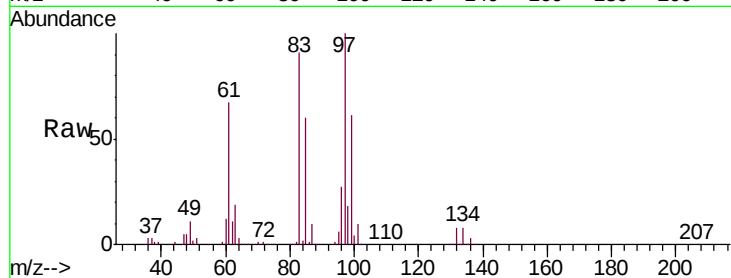
Ion Ratio Lower Upper

97 100

99 61.3 44.0 81.8

83 90.6 65.3 121.3

85 59.7 42.5 78.9



Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

150000

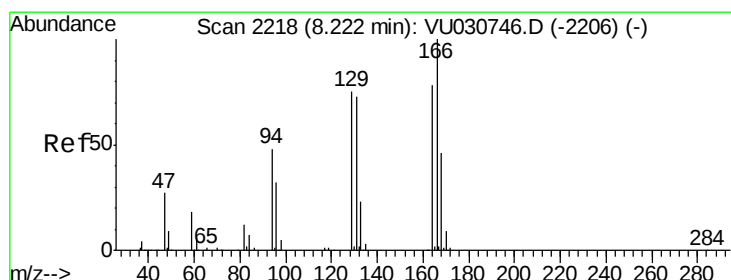
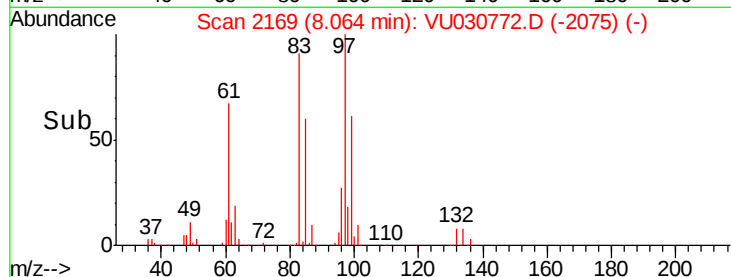
100000

50000

0

8.00 8.05 8.10

Time-->



#46

Tetrachloroethene

Concen: 47.096 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Tgt Ion: 164 Resp: 129805

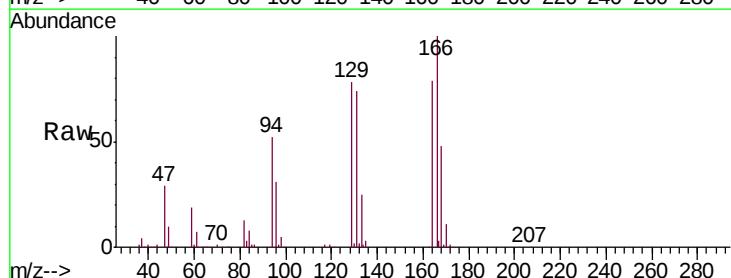
Ion Ratio Lower Upper

164 100

129 98.8 67.4 125.2

131 93.4 65.9 122.5

166 126.5 88.6 164.6



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

150000

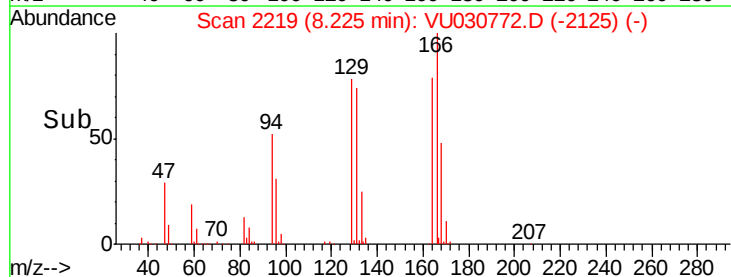
100000

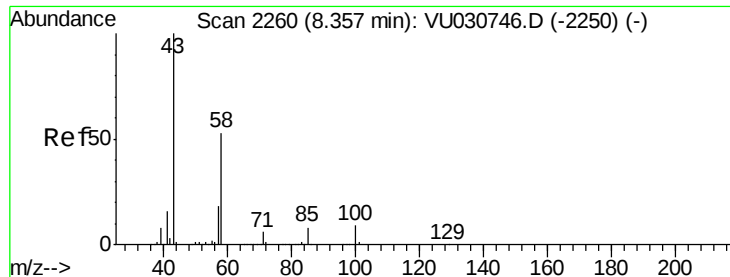
50000

0

8.15 8.20 8.25 8.30

Time-->

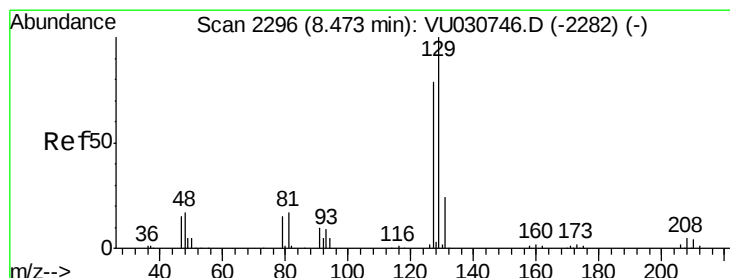
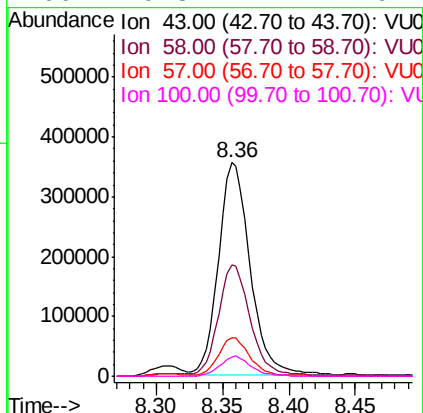
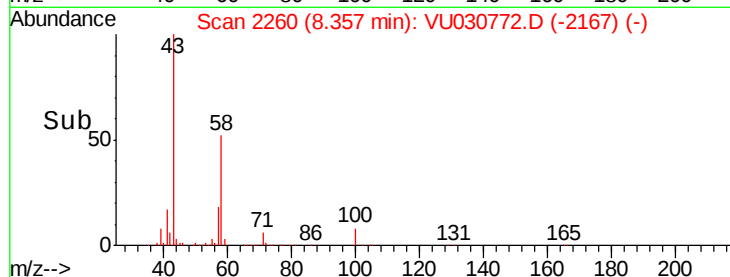
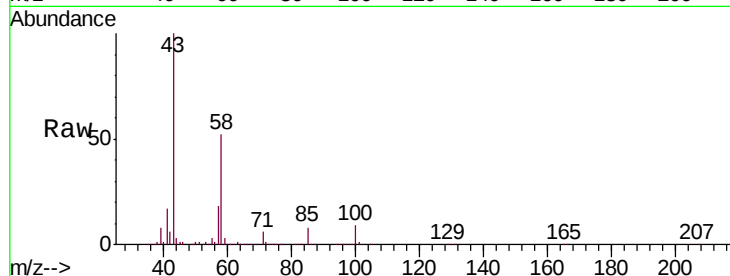




#48
2-Hexanone
Concen: 107.175 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

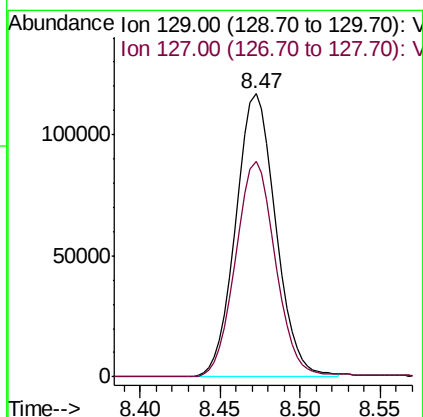
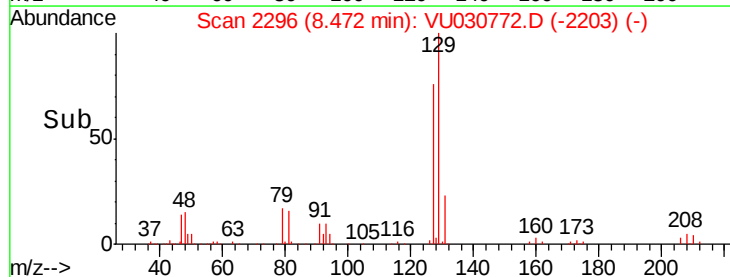
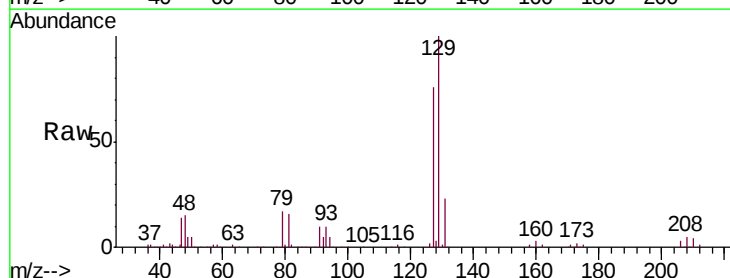
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

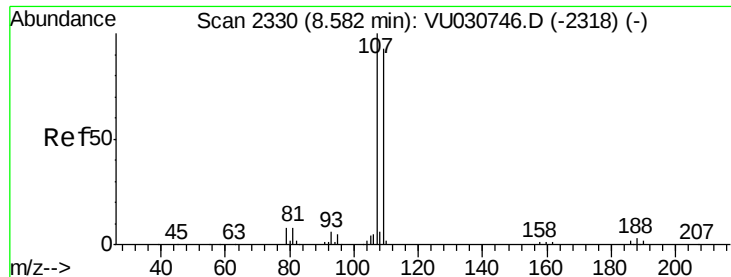
Tgt Ion: 43 Resp: 588501
Ion Ratio Lower Upper
43 100
58 51.9 41.9 62.9
57 17.8 14.3 21.5
100 9.3 7.1 10.7



#49
Dibromochloromethane
Concen: 50.716 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030772.D
Acq: 06 Apr 2019 03:20

Tgt Ion: 129 Resp: 199756
Ion Ratio Lower Upper
129 100
127 76.0 54.5 101.3

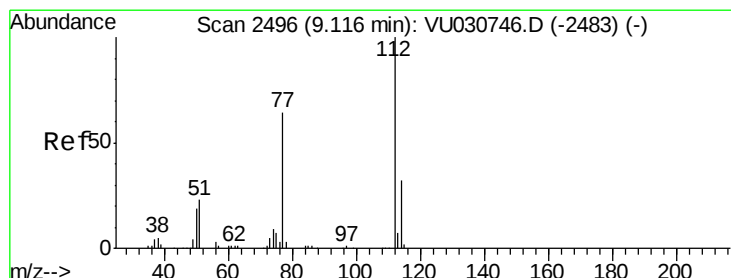
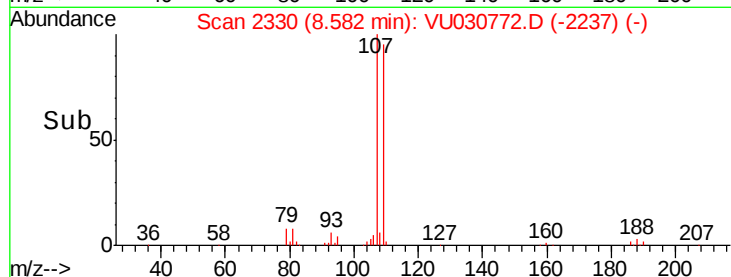
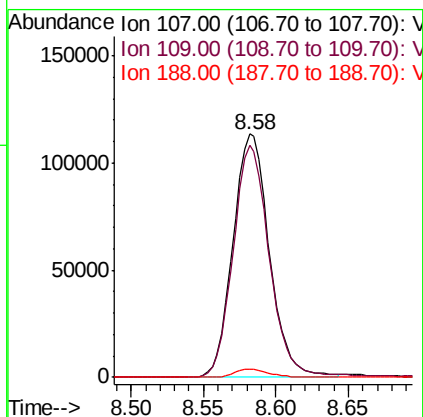
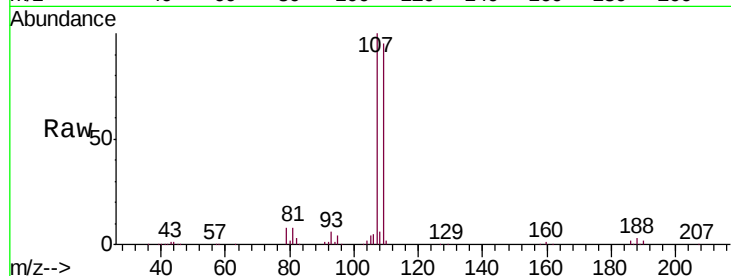




#50
 1,2-Dibromoethane
 Concen: 49.349 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

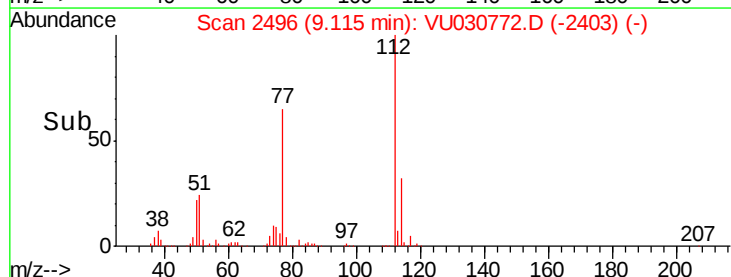
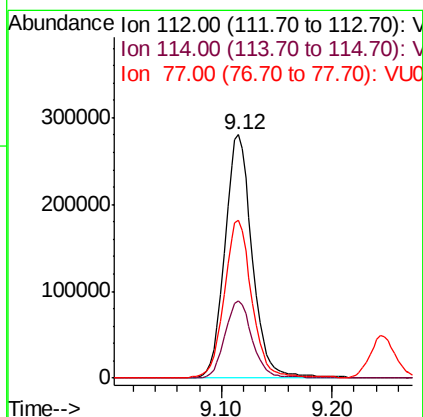
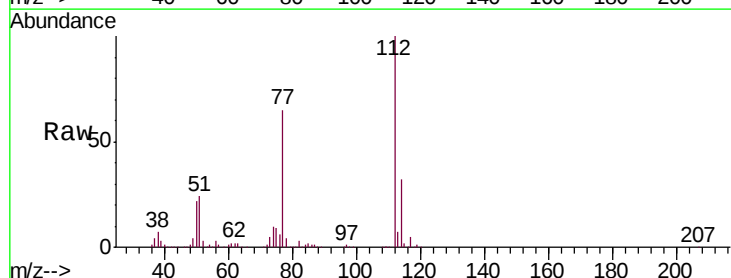
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

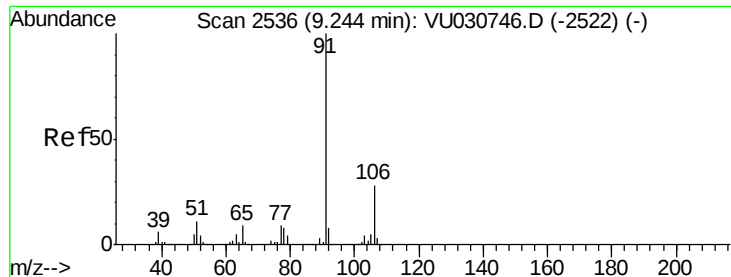
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.4	123.2
188	3.3	2.6	4.0



#51
 Chlorobenzene
 Concen: 49.872 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.2	41.2
77	64.8	51.7	77.5





#52

Ethylbenzene

Concen: 49.797 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

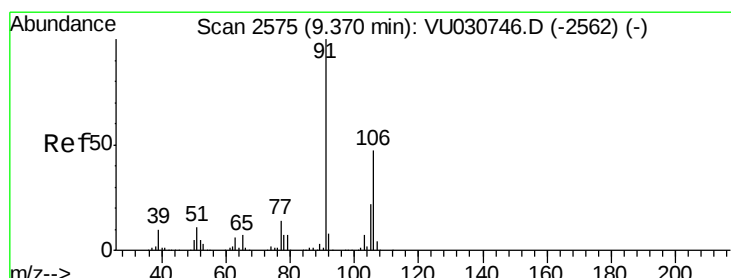
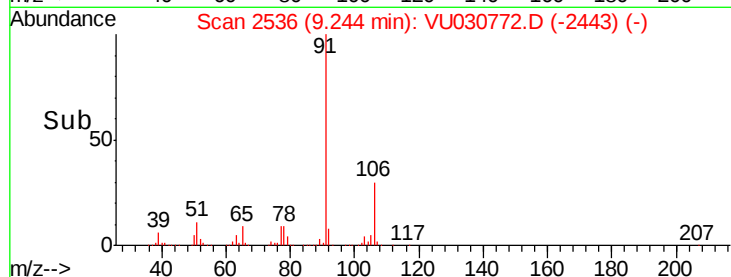
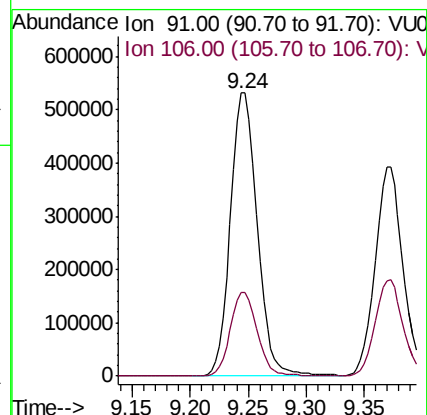
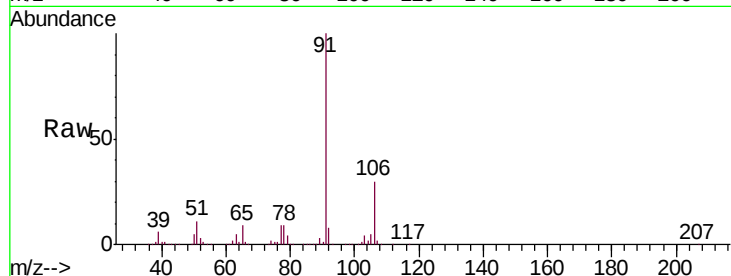
VSTD05052

Tgt Ion: 91 Resp: 856403

Ion Ratio Lower Upper

91 100

106 29.7 20.4 37.8



#53

m,p-Xylene

Concen: 50.125 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030772.D

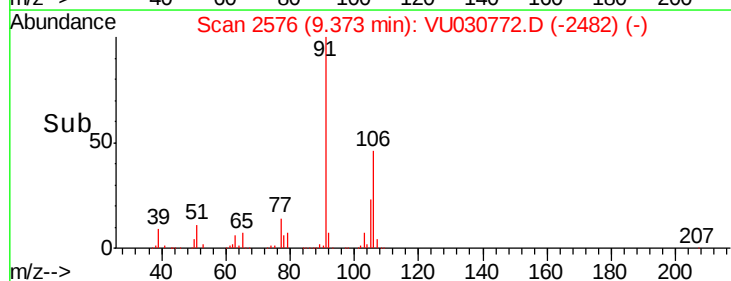
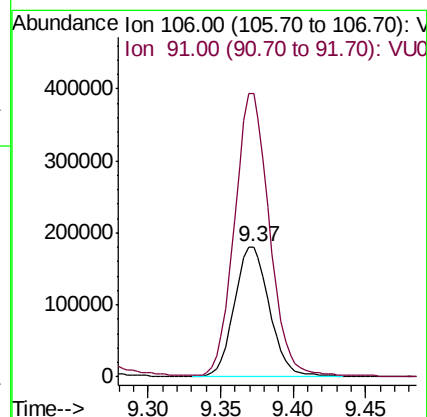
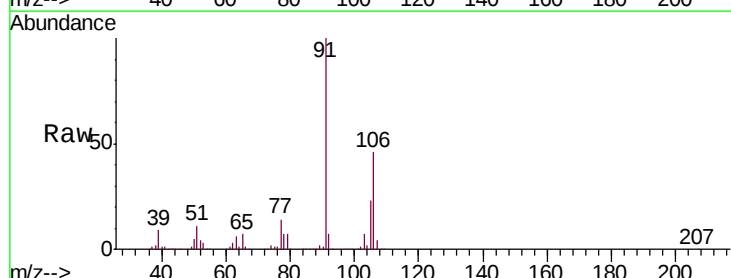
Acq: 06 Apr 2019 03:20

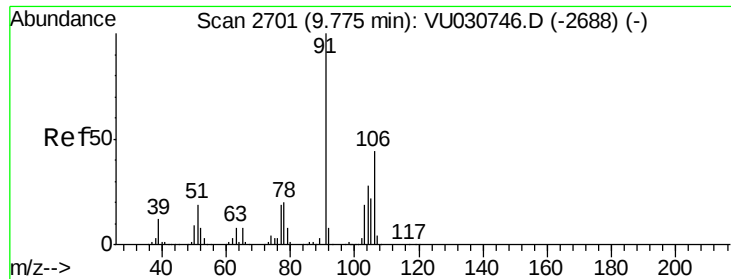
Tgt Ion: 106 Resp: 300652

Ion Ratio Lower Upper

106 100

91 217.8 148.0 274.8





#54

o-xylene

Concen: 50.863 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

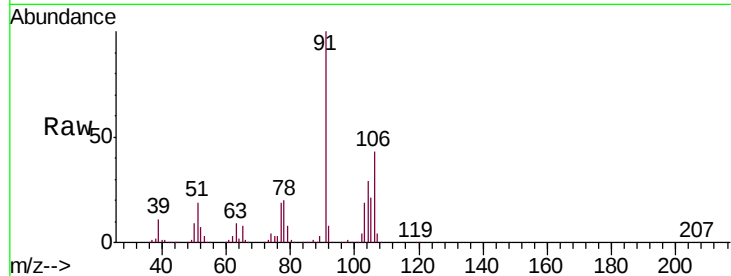
VSTD05052

Tgt Ion:106 Resp: 303460

Ion Ratio Lower Upper

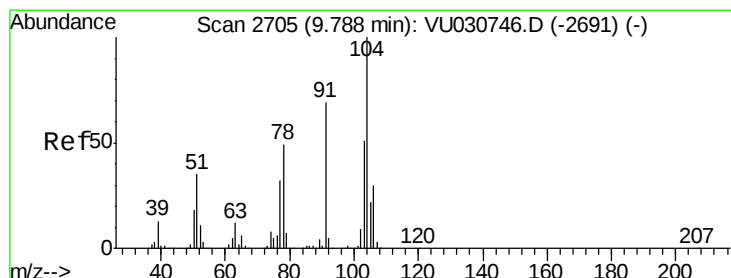
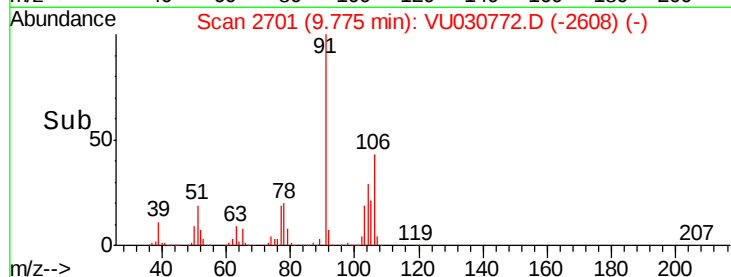
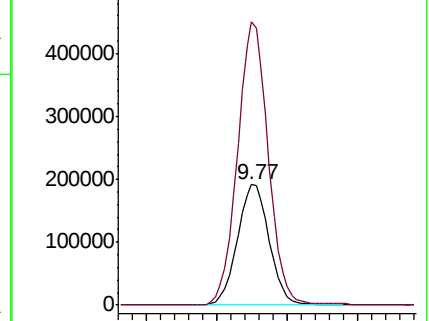
106 100

91 235.2 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.093 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030772.D

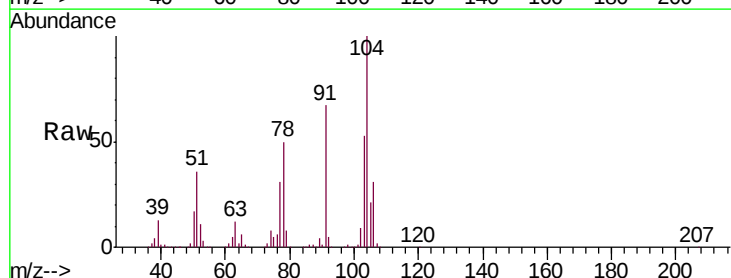
Acq: 06 Apr 2019 03:20

Tgt Ion:104 Resp: 533096

Ion Ratio Lower Upper

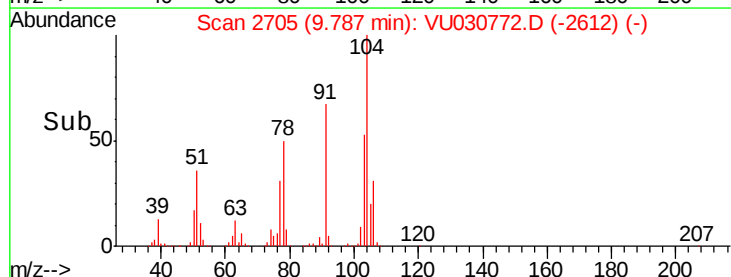
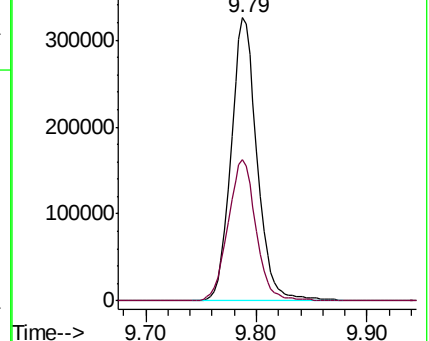
104 100

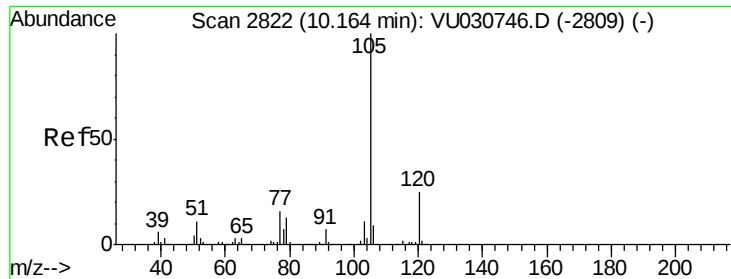
78 50.0 35.1 65.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.847 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

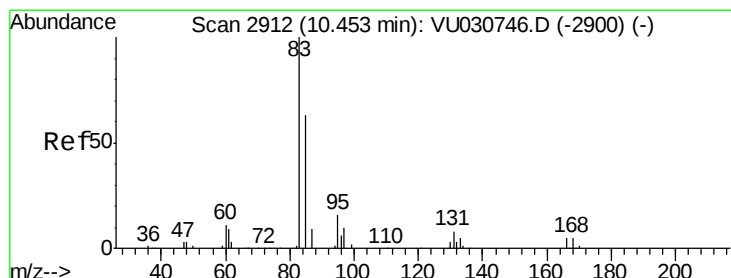
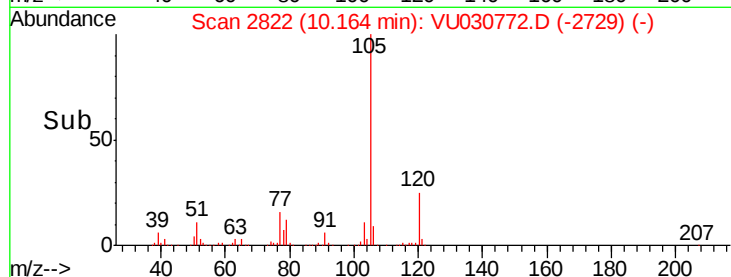
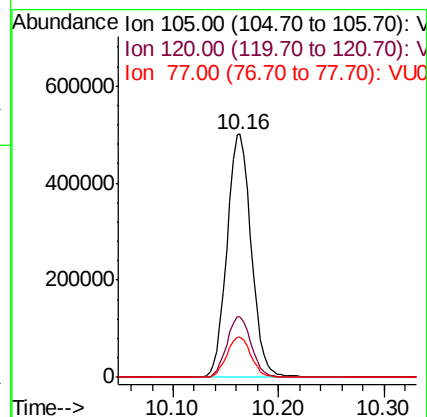
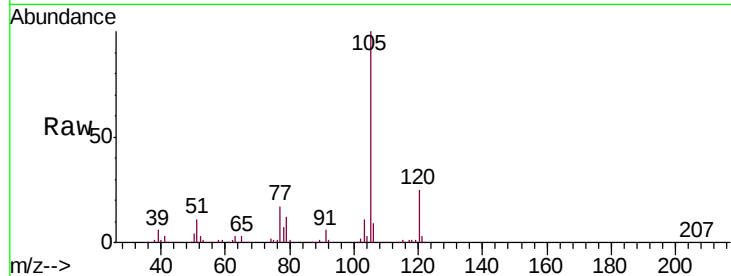
Tgt Ion:105 Resp: 798720

Ion Ratio Lower Upper

105 100

120 25.1 20.4 30.6

77 16.7 13.4 20.2



#58

1,1,2,2-Tetrachloroethane

Concen: 50.369 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

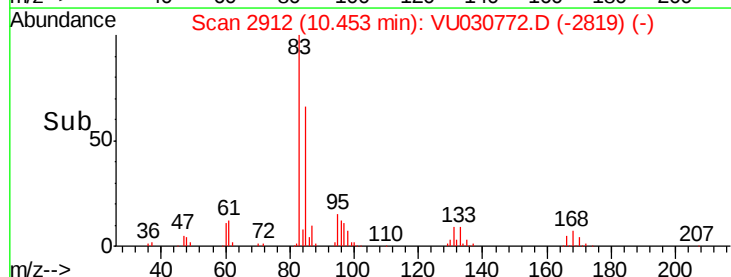
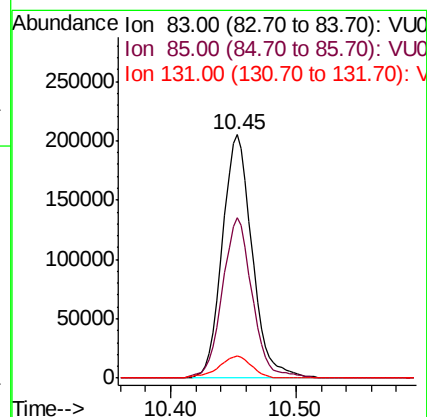
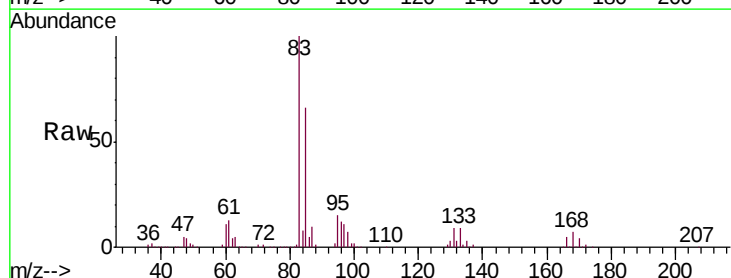
Tgt Ion: 83 Resp: 338175

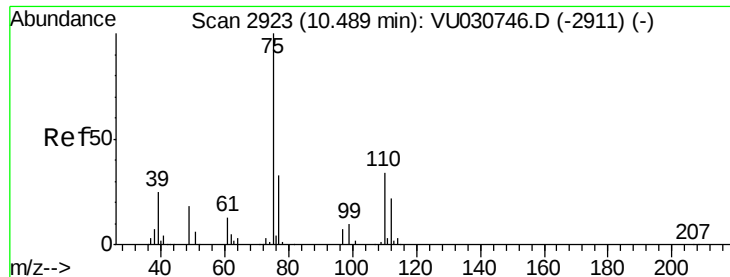
Ion Ratio Lower Upper

83 100

85 65.8 45.3 84.1

131 8.9 6.7 10.1





#59

1,2,3-Trichloropropane

Concen: 52.516 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

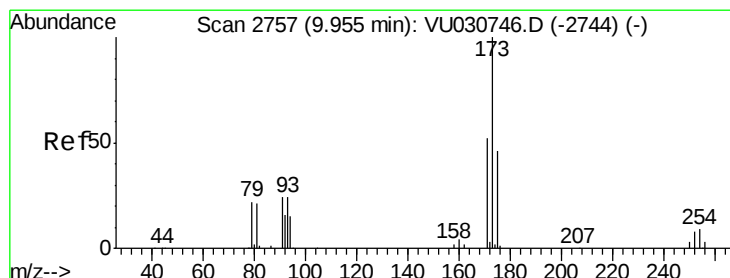
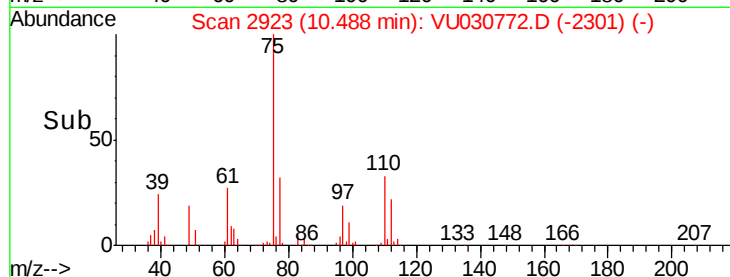
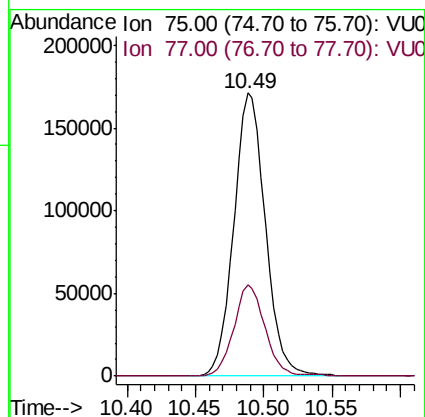
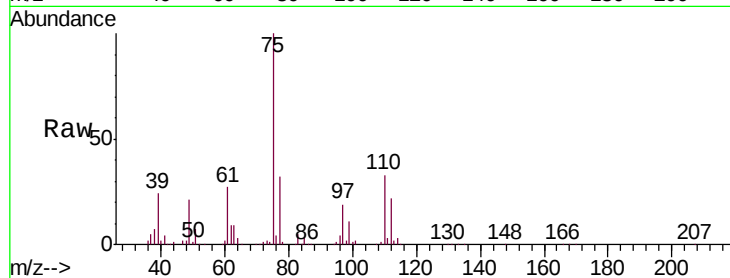
VSTD05052

Tgt Ion: 75 Resp: 275282

Ion Ratio Lower Upper

75 100

77 31.9 26.1 39.1



#61

Bromoform

Concen: 50.788 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

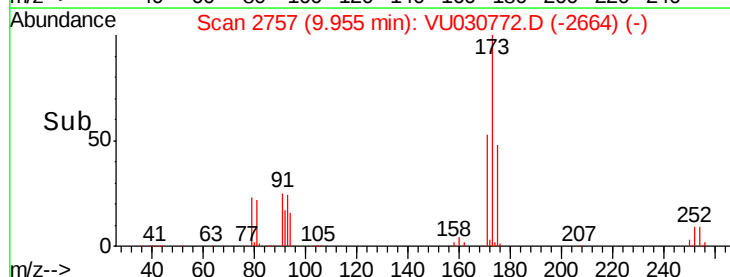
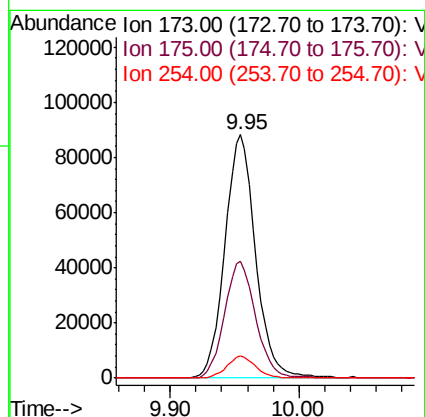
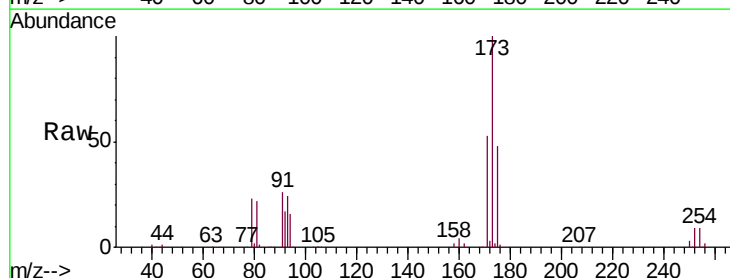
Tgt Ion: 173 Resp: 145599

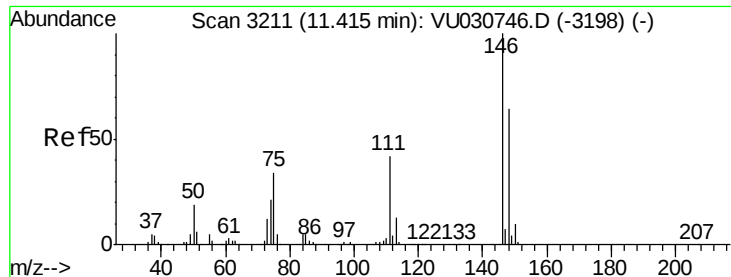
Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 8.4 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 48.627 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

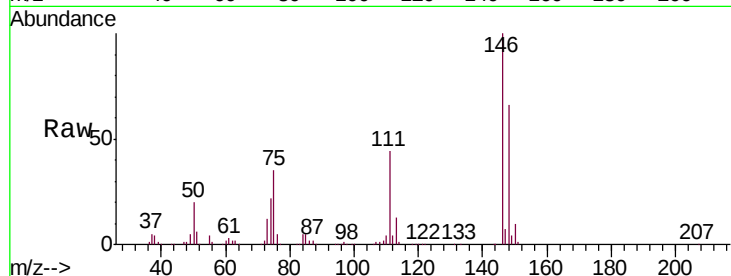
Tgt Ion:146 Resp: 333511

Ion Ratio Lower Upper

146 100

111 43.5 30.9 57.5

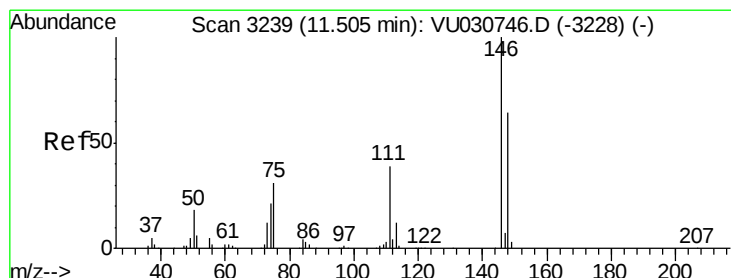
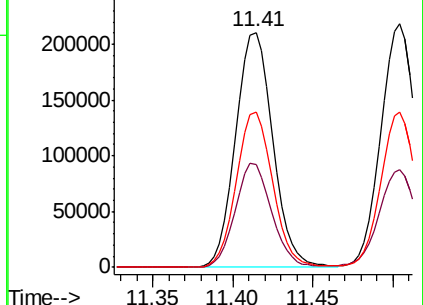
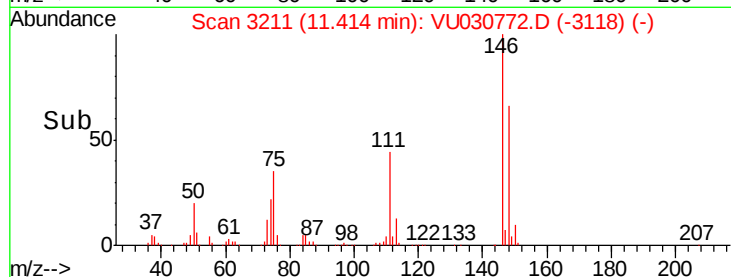
148 66.0 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.526 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

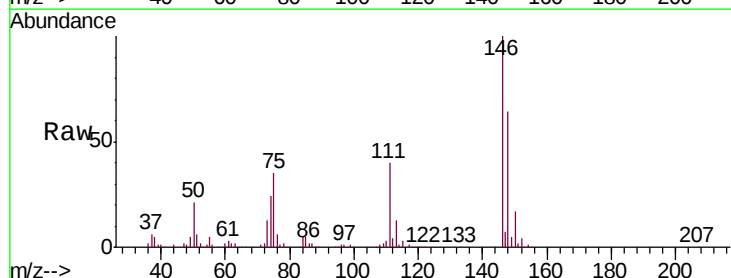
Tgt Ion:146 Resp: 345513

Ion Ratio Lower Upper

146 100

111 40.2 27.7 51.5

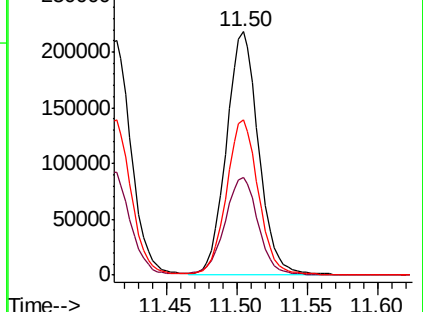
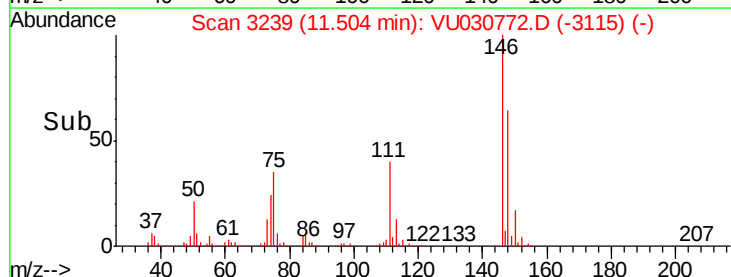
148 63.8 45.4 84.4

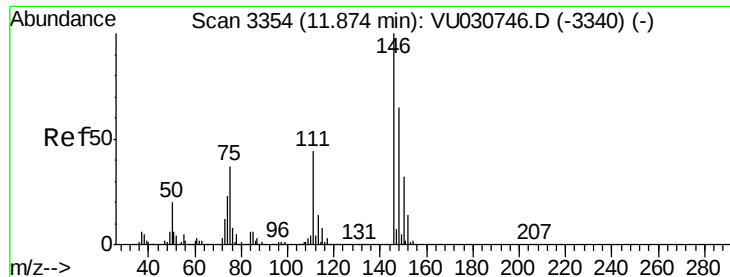


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

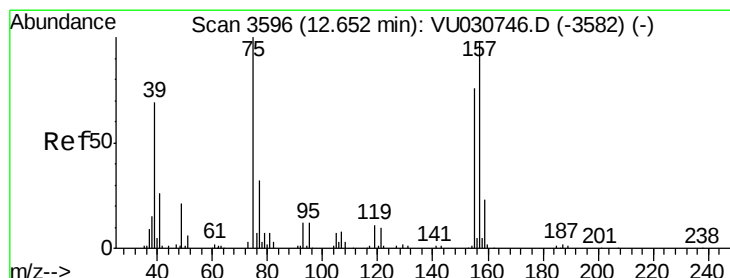
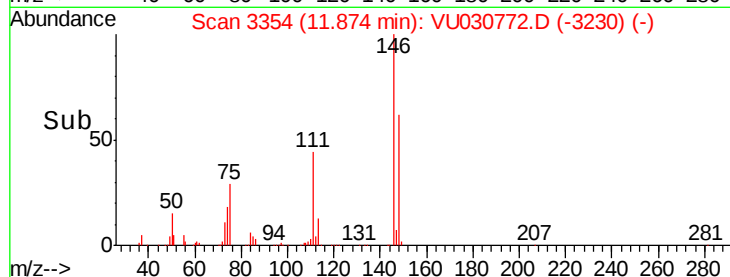
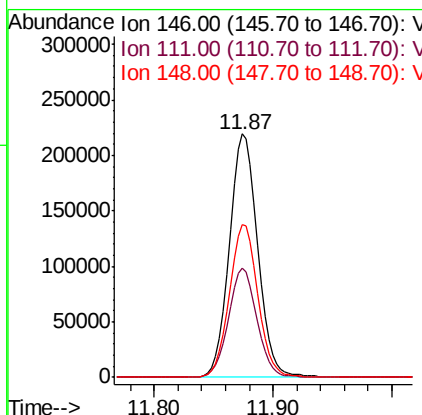
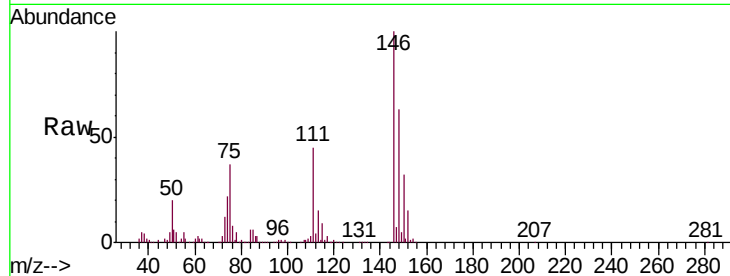




#65
 1,2-Dichlorobenzene
 Concen: 52.477 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

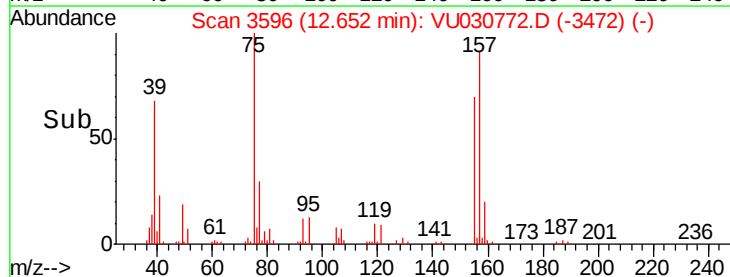
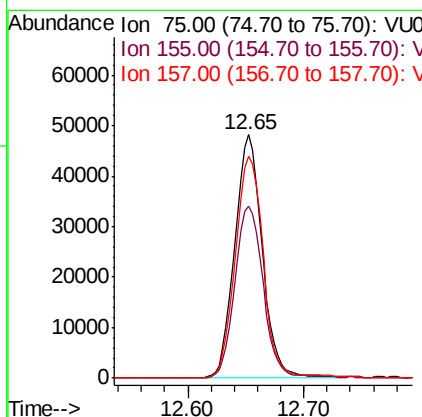
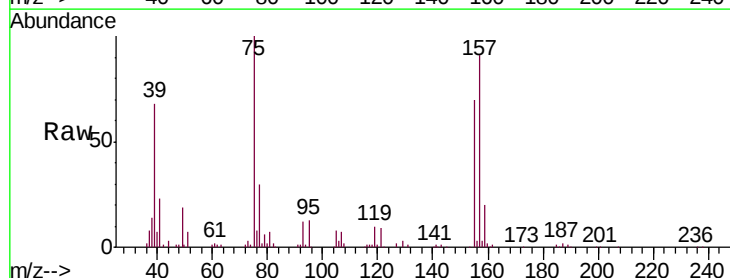
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

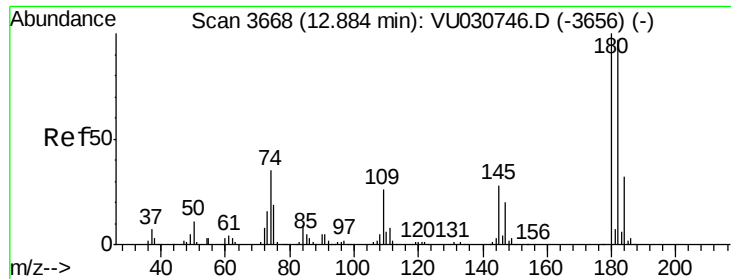
Tgt Ion: 146 Resp: 361026
 Ion Ratio Lower Upper
 146 100
 111 44.7 34.9 52.3
 148 62.7 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.976 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

Tgt Ion: 75 Resp: 78941
 Ion Ratio Lower Upper
 75 100
 155 70.5 64.1 96.1
 157 91.0 80.6 120.8

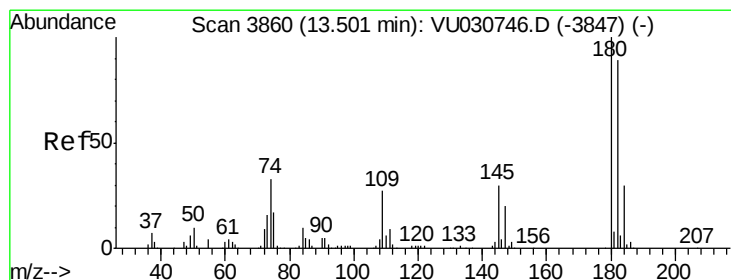
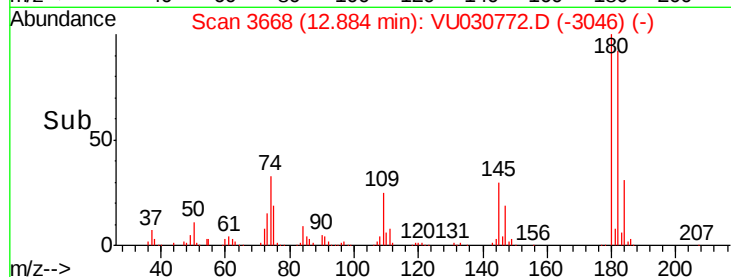
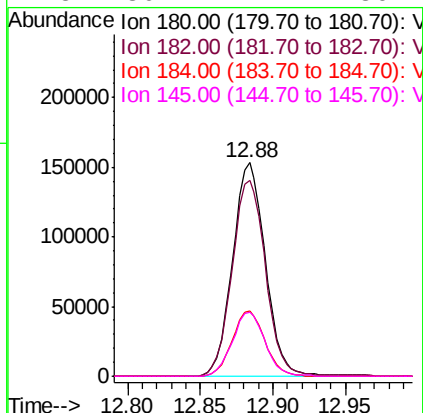
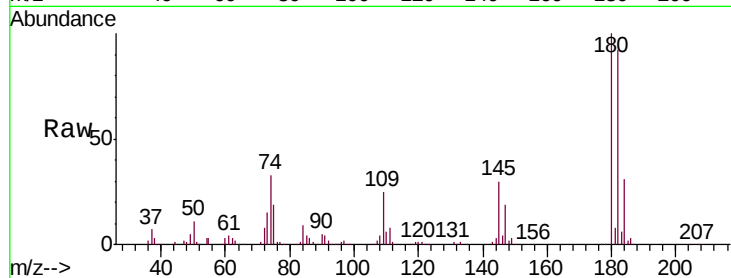




#67
 1,3,5-Trichlorobenzene
 Concen: 47.988 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

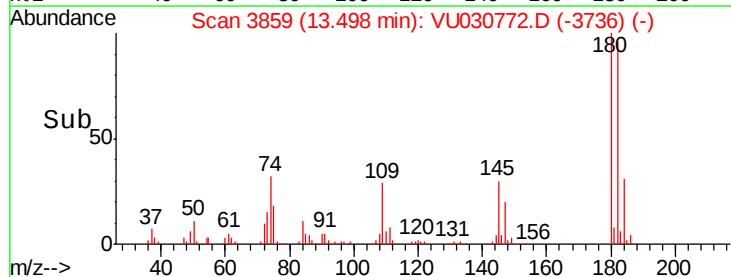
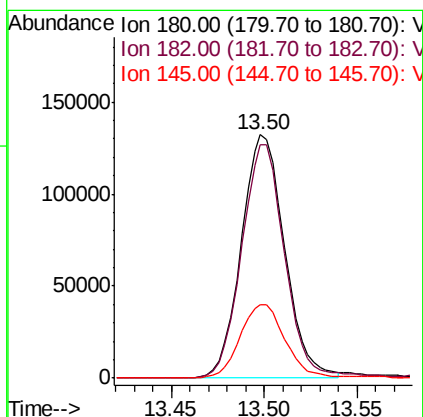
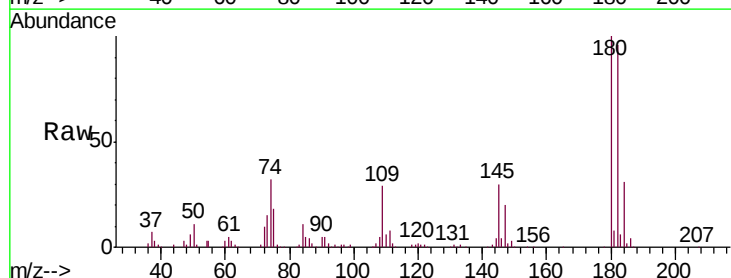
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

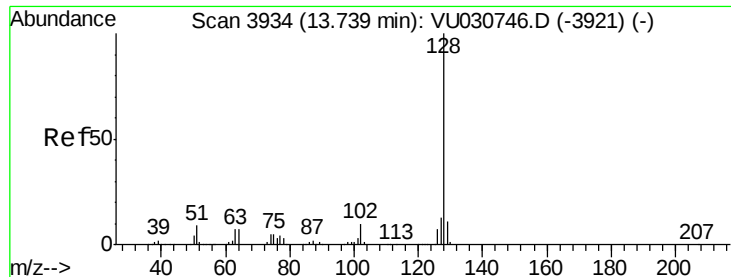
Tgt Ion:	180	Resp:	240532
Ion	Ratio	Lower	Upper
180	100		
182	93.9	78.3	117.5
184	30.2	24.7	37.1
145	30.1	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 50.337 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030772.D
 Acq: 06 Apr 2019 03:20

Tgt Ion:	180	Resp:	214519
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.7	115.1
145	31.7	24.4	36.6





#69

Naphthalene

Concen: 52.360 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

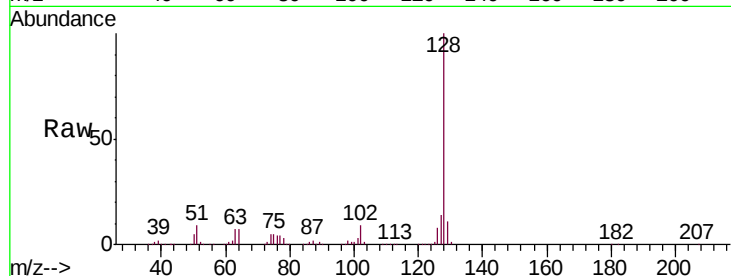
Tgt Ion:128 Resp: 723380

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

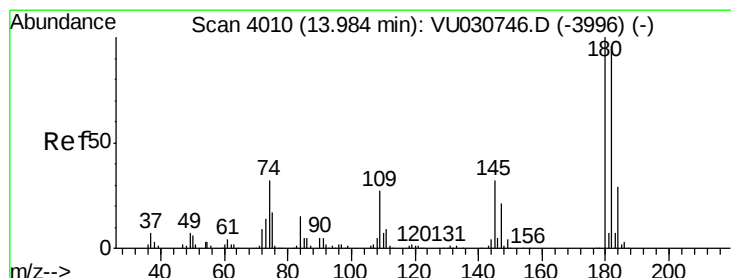
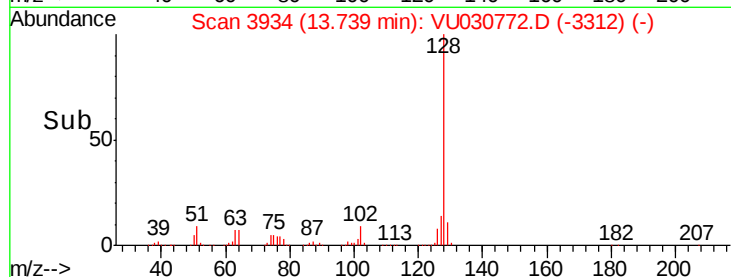
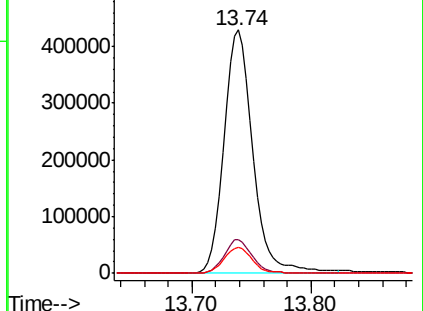
129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.829 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030772.D

Acq: 06 Apr 2019 03:20

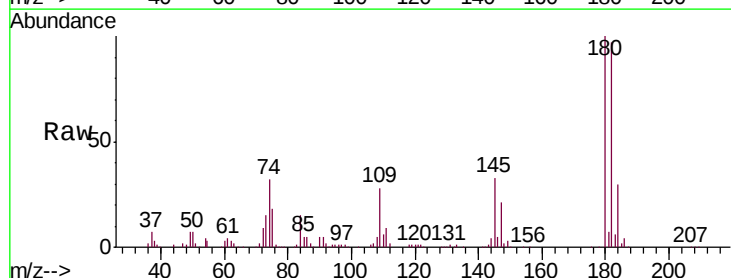
Tgt Ion:180 Resp: 230774

Ion Ratio Lower Upper

180 100

182 96.0 78.1 117.1

145 33.0 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

