

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090618\
 Data File : VU026573.D
 Acq On : 06 Sep 2018 11:13
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB50

Quant Time: Sep 07 04:42:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 05:59:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	173459	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164378	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82988	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64336	59.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.72%
7) Chloroethane-d5	1.68	69	55628	57.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.62%
11) 1,1-Dichloroethene-d2	2.27	63	123899	51.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.38%
21) 2-Butanone-d5	4.18	46	88367	105.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.94%
24) Chloroform-d	4.65	84	110419	54.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.31	65	72065	53.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.66%
32) Benzene-d6	5.34	84	218769	57.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.48%
36) 1,2-Dichloropropane-d6	6.33	67	73918	56.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.58%
41) Toluene-d8	7.57	98	208368	56.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.94%
43) trans-1,3-Dichloropropene-	7.85	79	34548	58.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.26%
47) 2-Hexanone-d5	8.31	63	67748	113.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	102408	53.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	83859	55.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	65389	48.346	ug/L 100
3) Chloromethane	1.33	50	80517	48.213	ug/L 100
5) Vinyl chloride	1.40	62	86726	47.902	ug/L 100
6) Bromomethane	1.62	94	48002	44.722	ug/L 98
8) Chloroethane	1.70	64	52856	48.624	ug/L 99
9) Trichlorofluoromethane	1.88	101	111899	48.604	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	63227	49.219	ug/L 98
12) 1,1-Dichloroethene	2.28	96	57022	46.055	ug/L 95
13) Acetone	2.32	43	84243	116.635	ug/L 97
14) Carbon disulfide	2.48	76	172914	49.350	ug/L 99
15) Methyl Acetate	2.62	43	73845	52.069	ug/L 99
16) Methylene chloride	2.70	84	66801	52.477	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	59111	52.782	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	189624	55.777	ug/L 99
19) 1,1-Dichloroethane	3.45	63	118444	53.825	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	67964	54.173	ug/L 99
22) 2-Butanone	4.26	43	110076	113.382	ug/L 100

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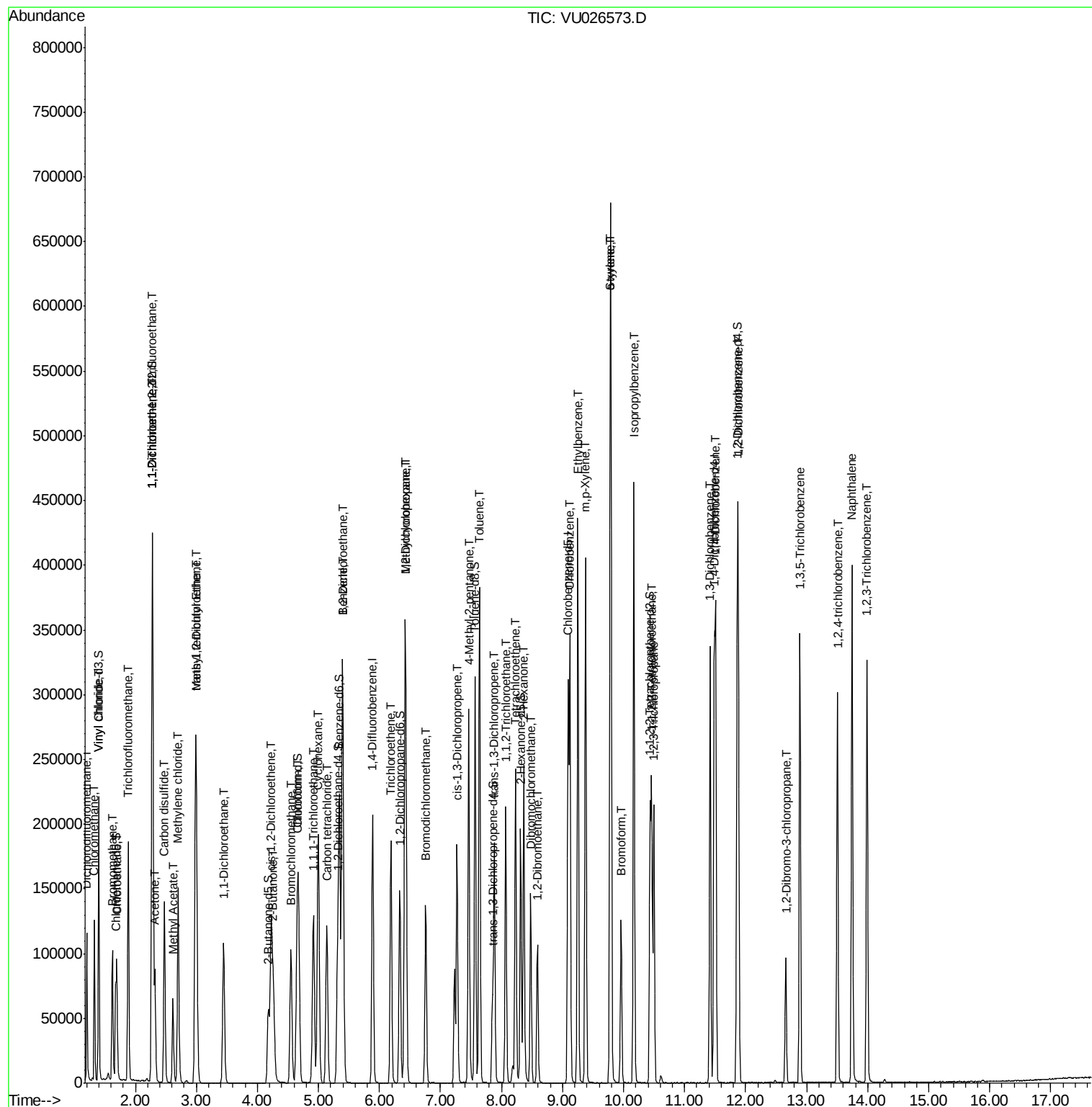
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	34974	54.110	ug/L	93
25) Chloroform	4.67	83	118883	52.900	ug/L	100
27) 1,2-Dichloroethane	5.40	62	92418	50.990	ug/L	99
29) Cyclohexane	5.00	56	101669	56.767	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	99453	54.980	ug/L	99
31) Carbon tetrachloride	5.14	117	88744	53.994	ug/L	99
33) Benzene	5.39	78	259777	55.125	ug/L	100
34) Trichloroethene	6.19	95	65100	55.074	ug/L	99
35) Methylcyclohexane	6.42	83	106830	57.879	ug/L	99
37) 1,2-Dichloropropane	6.43	63	73874	56.625	ug/L	100
38) Bromodichloromethane	6.76	83	89979	54.085	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	107292	57.717	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	194123	110.333	ug/L	99
42) Toluene	7.64	91	274694	55.863	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	99259	56.022	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	65351	54.680	ug/L	98
46) Tetrachloroethene	8.23	164	53229	55.079	ug/L	96
48) 2-Hexanone	8.36	43	157219	113.459	ug/L	98
49) Dibromochloromethane	8.48	129	74825	55.564	ug/L	98
50) 1,2-Dibromoethane	8.59	107	69873	54.903	ug/L	95
51) Chlorobenzene	9.12	112	174091	52.943	ug/L	99
52) Ethylbenzene	9.25	91	298071	55.734	ug/L	100
53) m,p-Xylene	9.38	106	112913	56.544	ug/L	98
54) o-xylene	9.78	106	112585	57.814	ug/L	95
55) Styrene	9.79	104	192670	56.636	ug/L	99
56) Isopropylbenzene	10.17	105	292324	57.346	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	112984	53.668	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	86377	53.061	ug/L	97
61) Bromoform	9.96	173	57663	56.297	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	136655	56.273	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	138973	54.106	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	142624	55.682	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	22740	52.799	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	110236	56.249	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	95747	55.936	ug/L	100
69) Naphthalene	13.74	128	306822	57.409	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	105844	56.314	ug/L	100

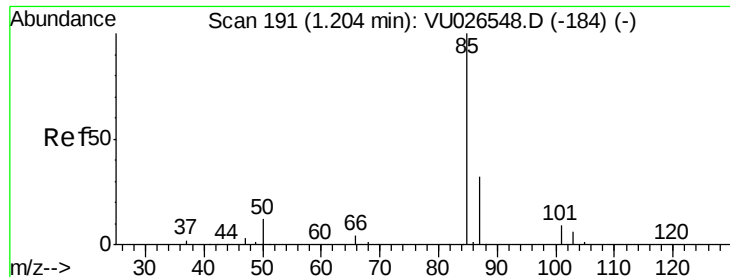
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.346 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

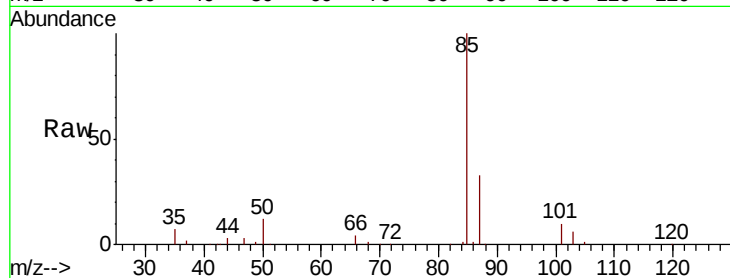
BFB50

Tgt Ion: 85 Resp: 65389

Ion Ratio Lower Upper

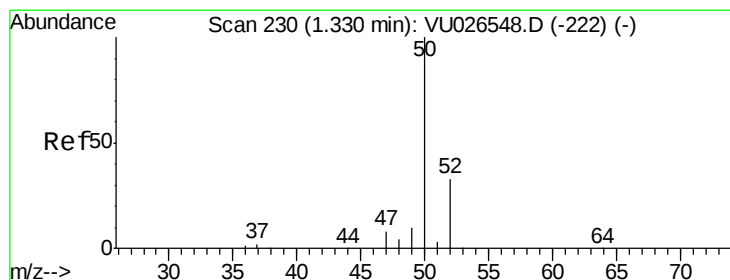
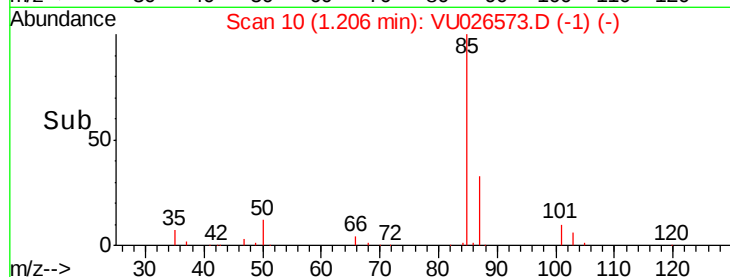
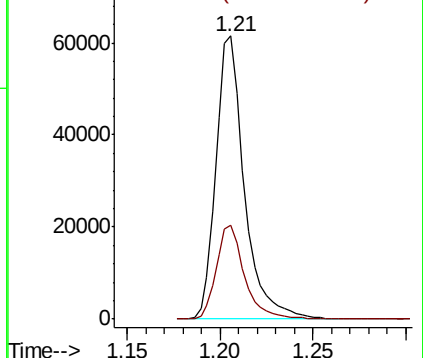
85 100

87 33.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 48.213 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026573.D

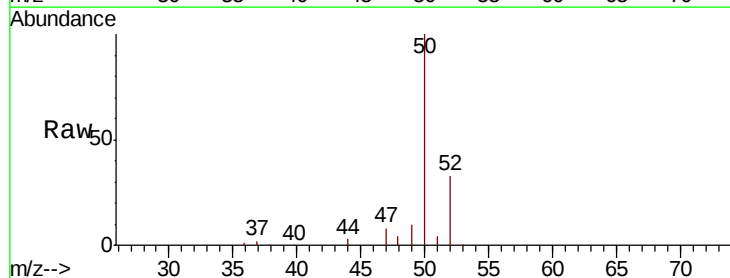
Acq: 06 Sep 2018 11:13

Tgt Ion: 50 Resp: 80517

Ion Ratio Lower Upper

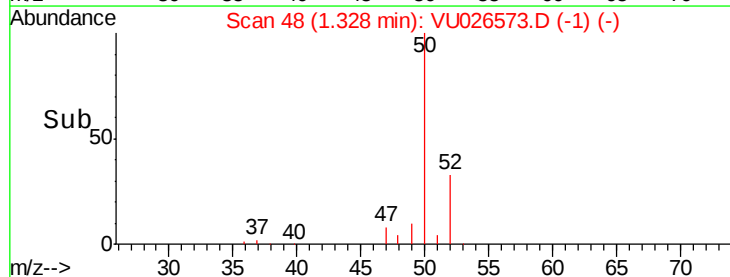
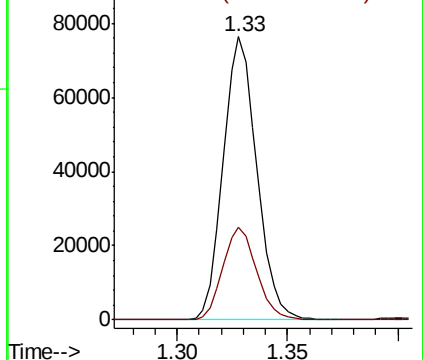
50 100

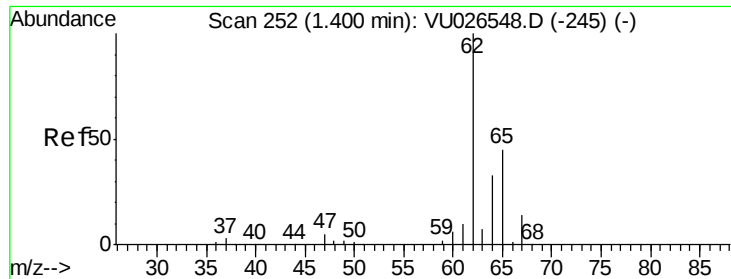
52 32.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 47.902 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

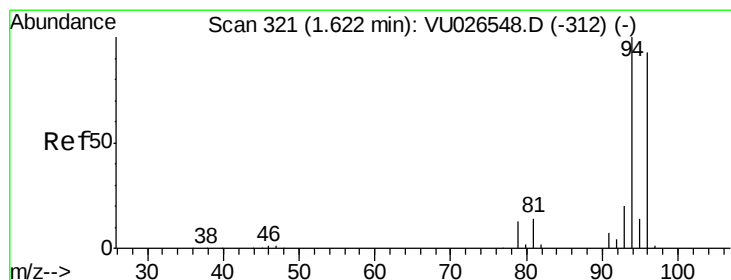
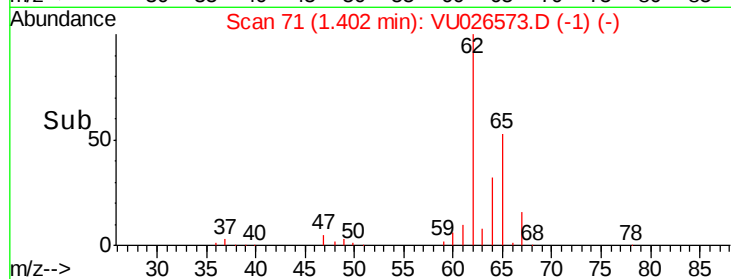
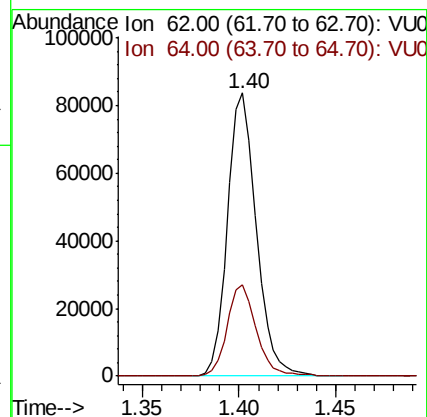
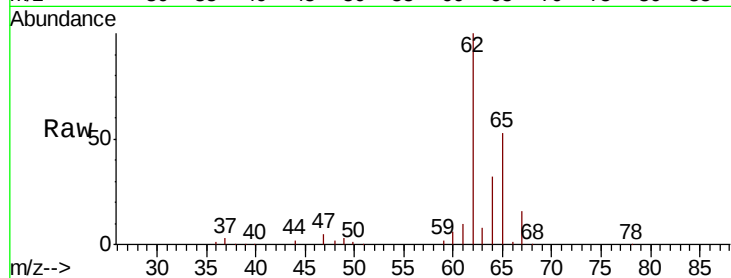
BFB50

Tgt Ion: 62 Resp: 86726

Ion Ratio Lower Upper

62 100

64 32.2 22.4 41.6



#6

Bromomethane

Concen: 44.722 ug/L

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU026573.D

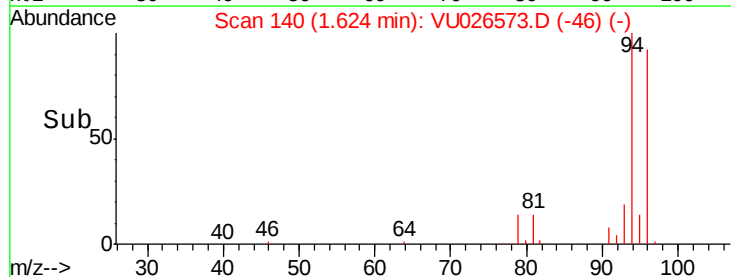
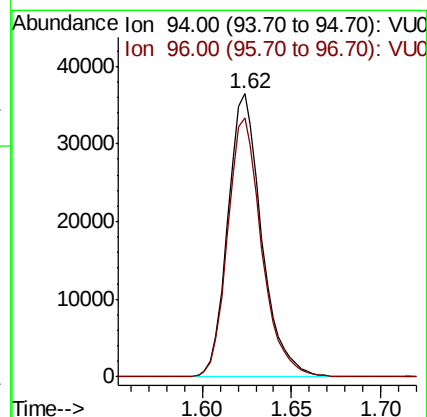
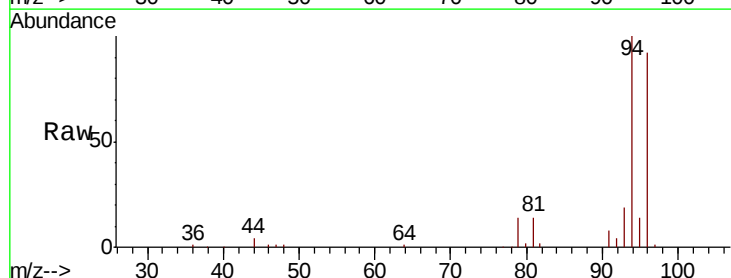
Acq: 06 Sep 2018 11:13

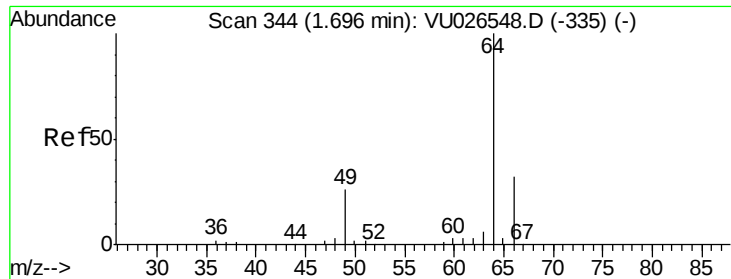
Tgt Ion: 94 Resp: 48002

Ion Ratio Lower Upper

94 100

96 91.6 65.3 121.3

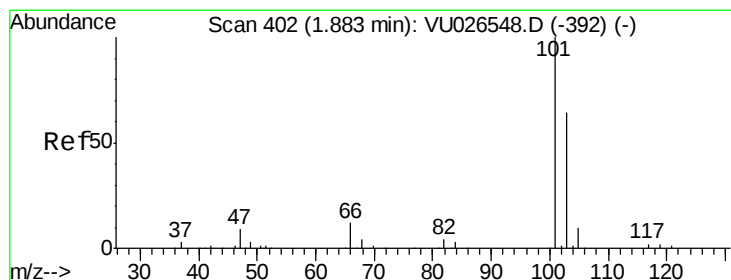
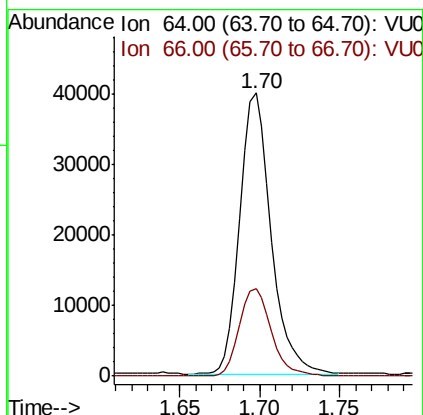
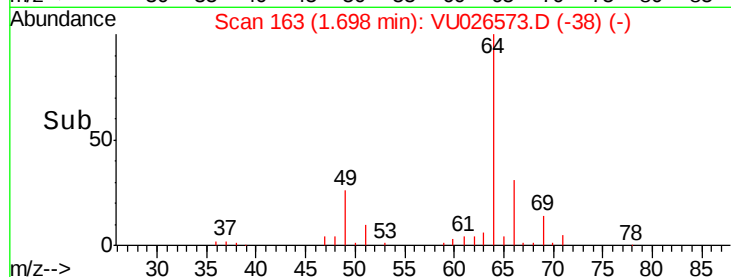
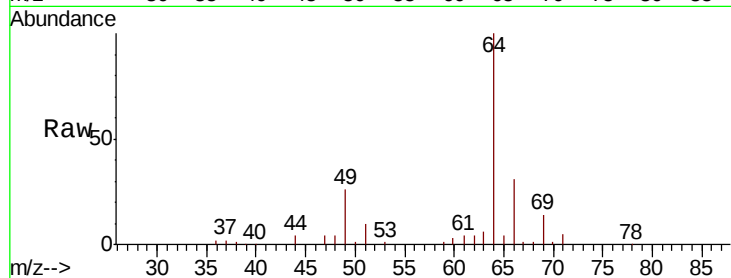




#8
Chloroethane
Concen: 48.624 ug/L
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

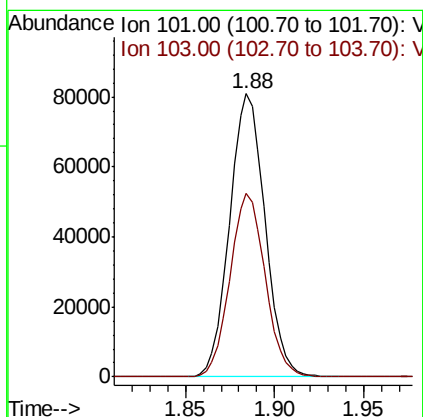
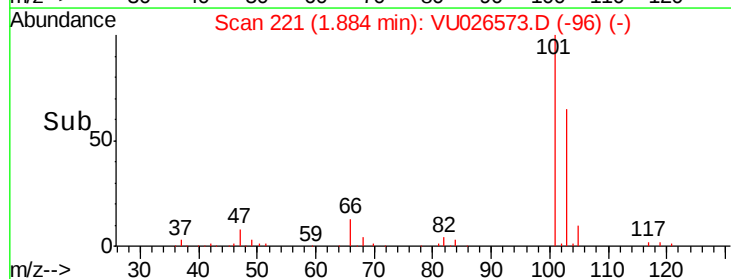
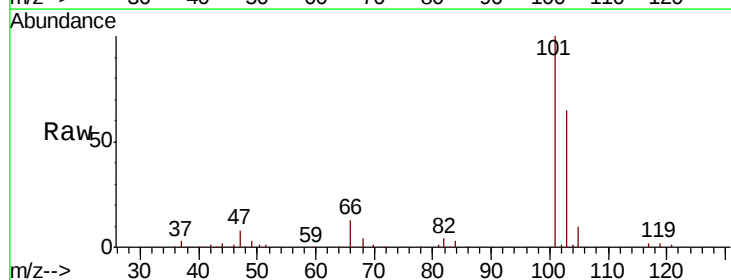
Instrument :
MSVOA_U
ClientSampleId :
BFB50

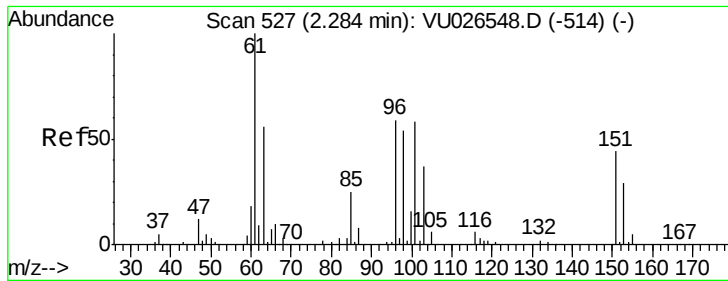
Tgt Ion: 64 Resp: 52856
Ion Ratio Lower Upper
64 100
66 30.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 48.604 ug/L
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

Tgt Ion: 101 Resp: 111899
Ion Ratio Lower Upper
101 100
103 64.5 52.7 79.1





#10

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

Concen: 49.219 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

BFB50

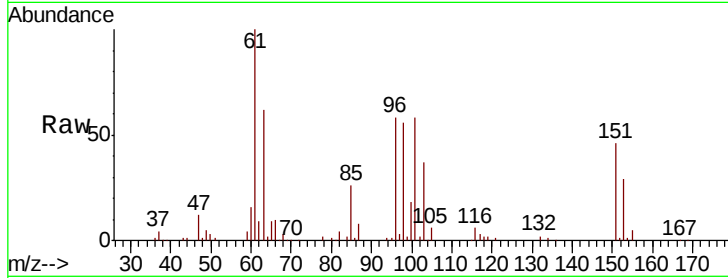
Tgt Ion: 101 Resp: 63227

Ion Ratio Lower Upper

101 100

85 42.9 35.3 52.9

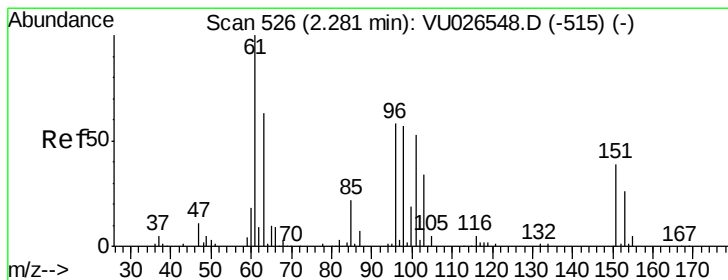
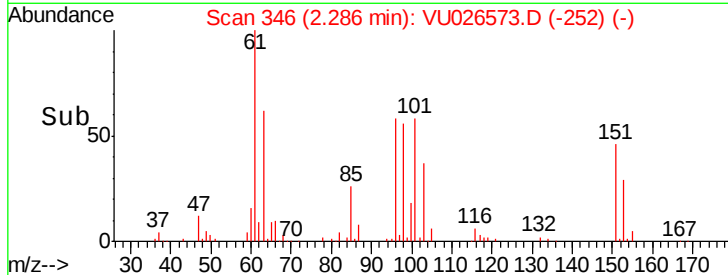
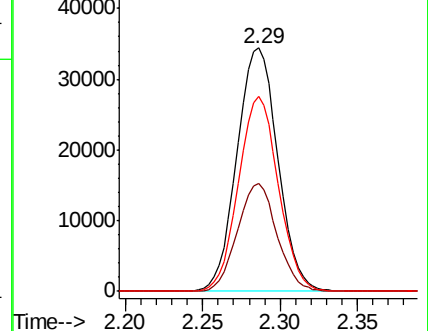
151 78.1 60.7 91.1



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: 46.055 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

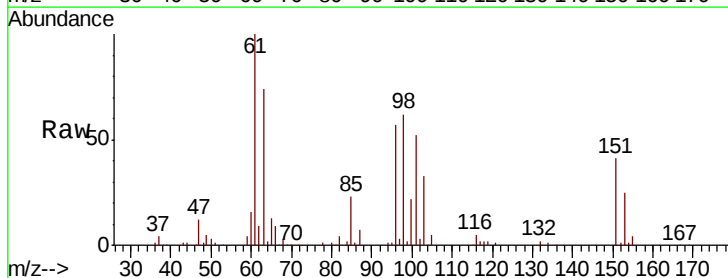
Tgt Ion: 96 Resp: 57022

Ion Ratio Lower Upper

96 100

61 175.0 129.3 240.1

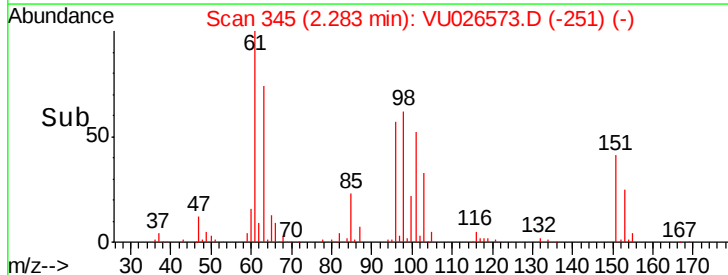
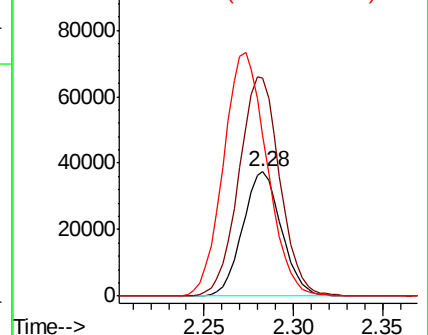
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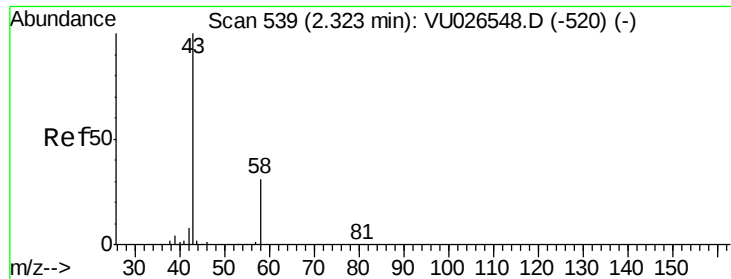


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 116.635 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

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ClientSampleId :

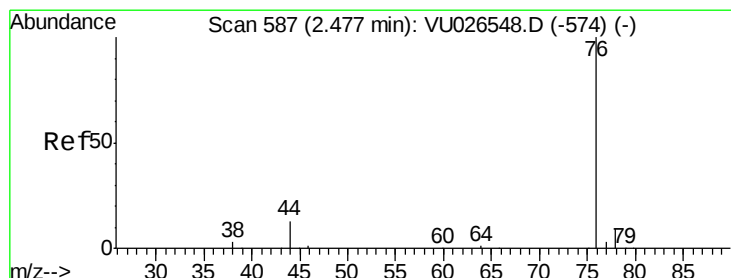
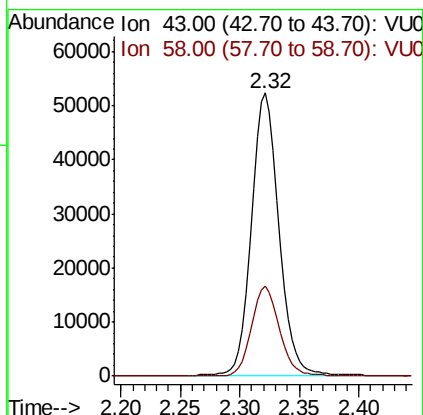
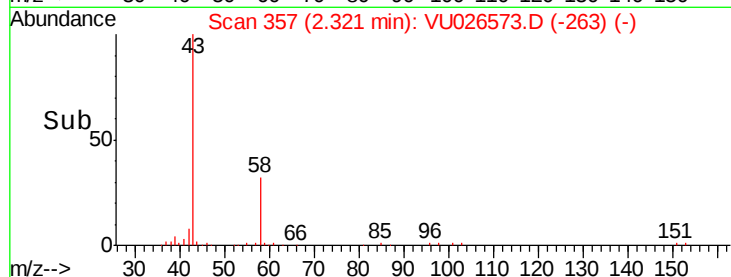
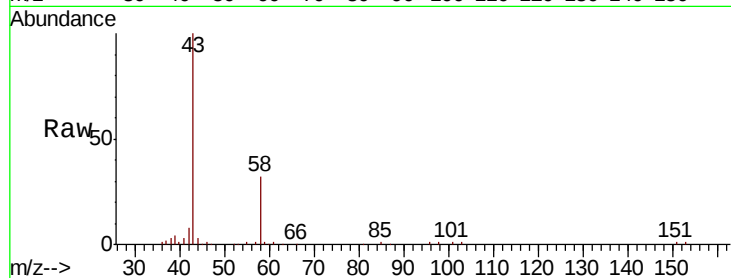
BFB50

Tgt Ion: 43 Resp: 84243

Ion Ratio Lower Upper

43 100

58 32.1 0.0 61.2



#14

Carbon disulfide

Concen: 49.350 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026573.D

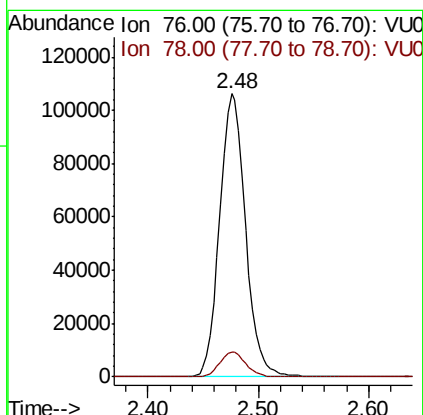
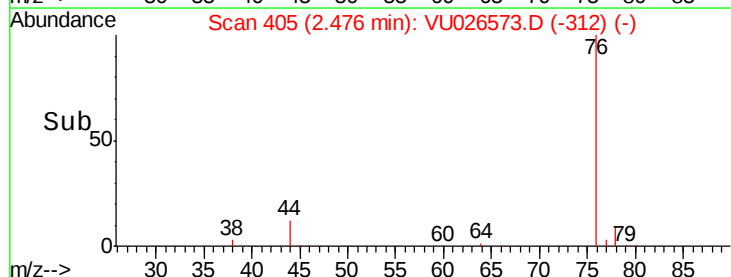
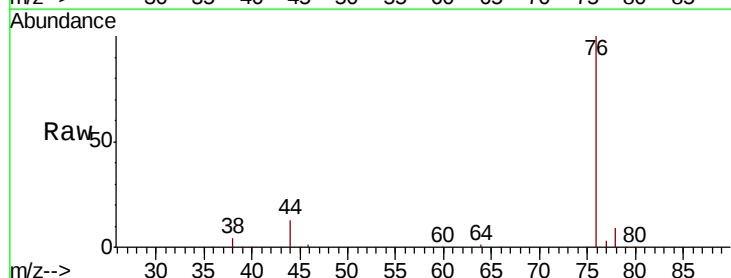
Acq: 06 Sep 2018 11:13

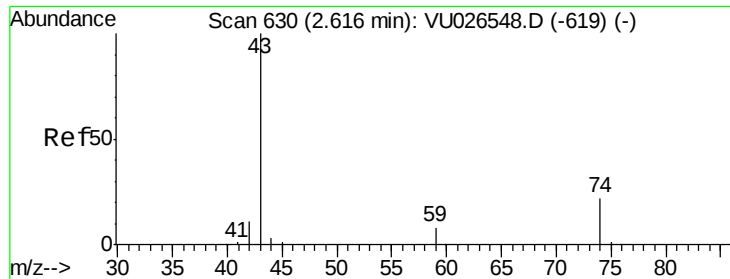
Tgt Ion: 76 Resp: 172914

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

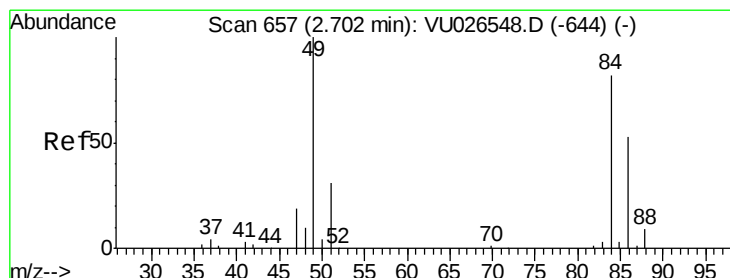
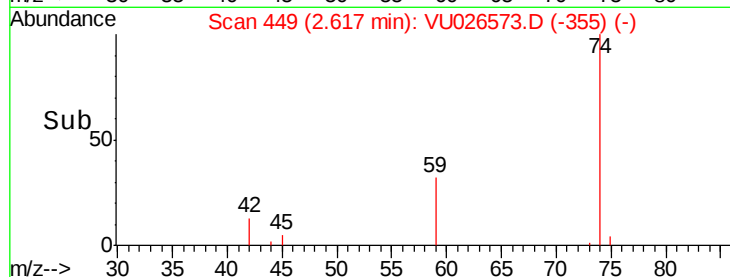
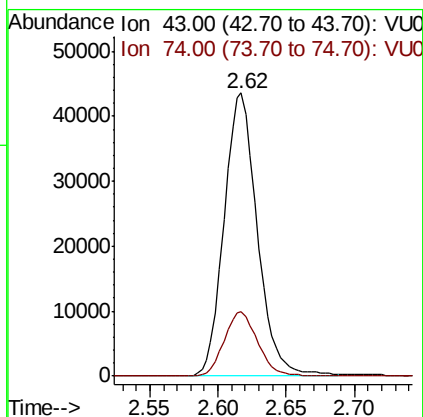
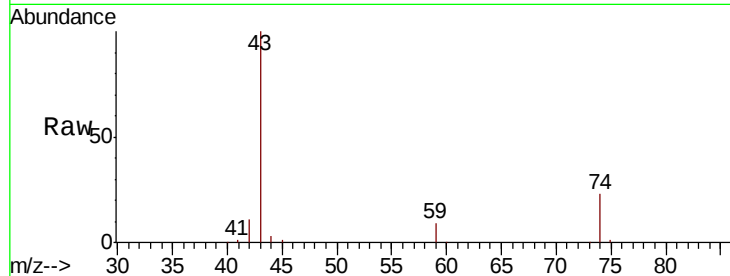




#15
Methyl Acetate
Concen: 52.069 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

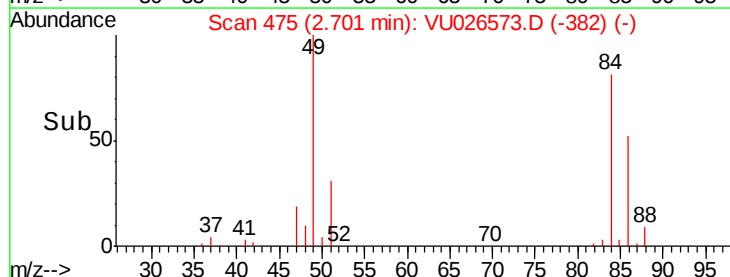
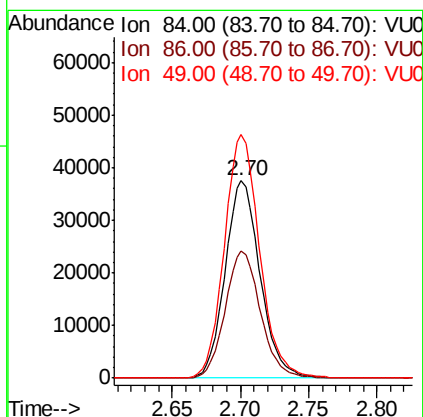
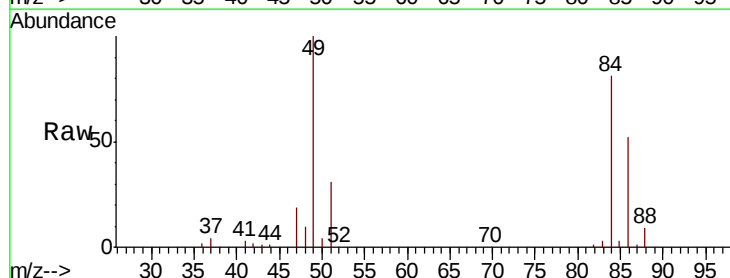
Instrument :
MSVOA_U
ClientSampleId :
BFB50

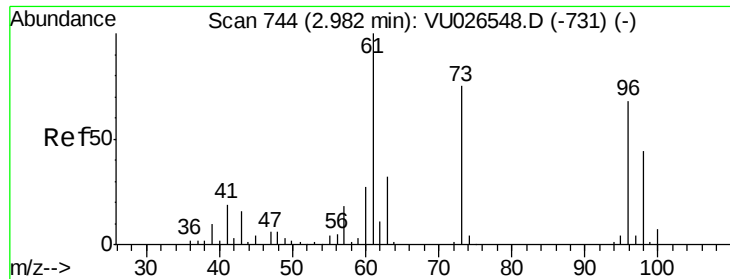
Tgt Ion: 43 Resp: 73845
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.6



#16
Methylene chloride
Concen: 52.477 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

Tgt Ion: 84 Resp: 66801
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 123.4 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 52.782 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

BFB50

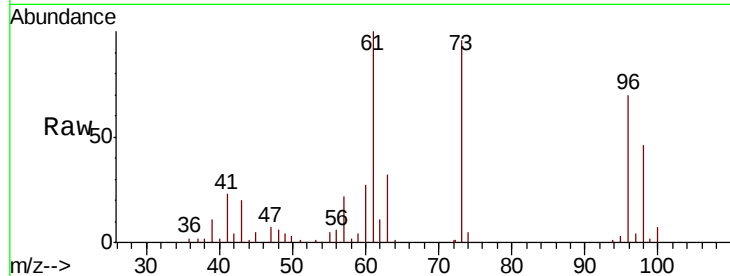
Tgt Ion: 96 Resp: 59111

Ion Ratio Lower Upper

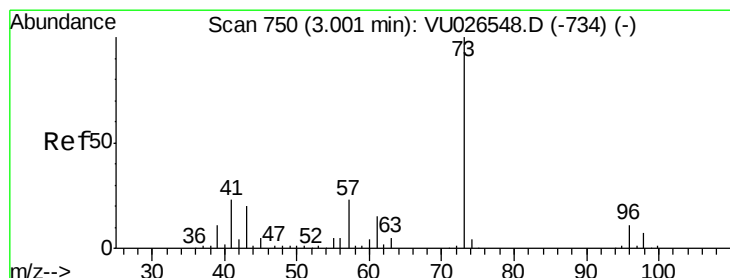
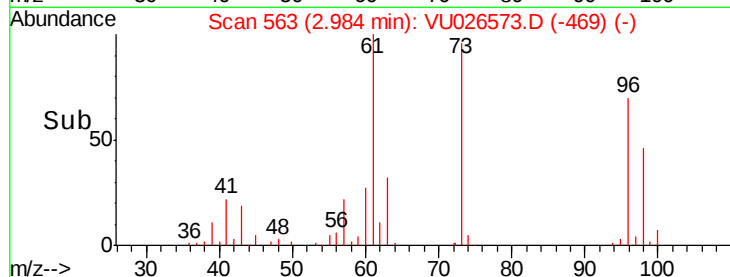
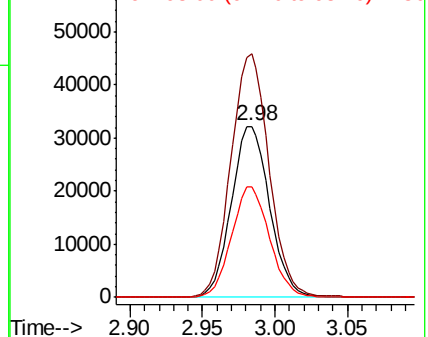
96 100

61 142.3 103.2 191.6

98 65.0 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 55.777 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

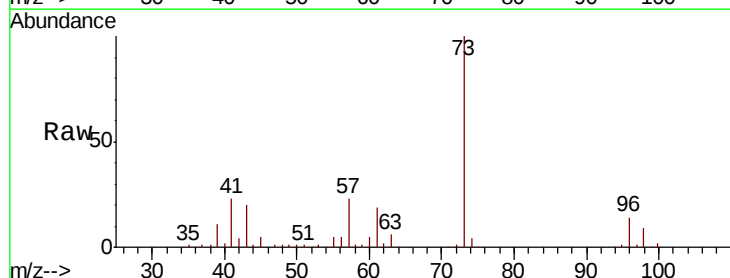
Tgt Ion: 73 Resp: 189624

Ion Ratio Lower Upper

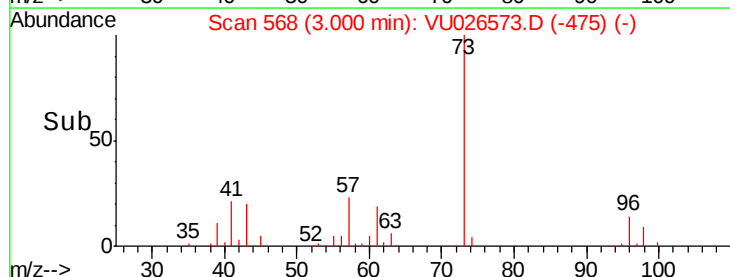
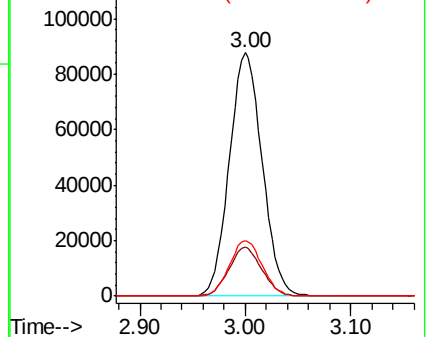
73 100

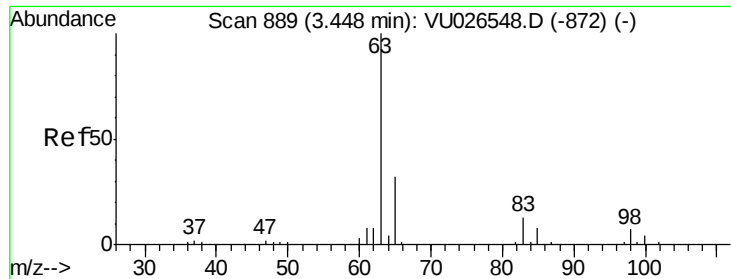
43 20.1 16.6 25.0

57 22.8 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

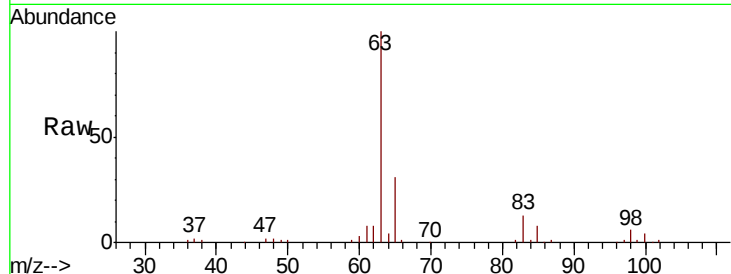




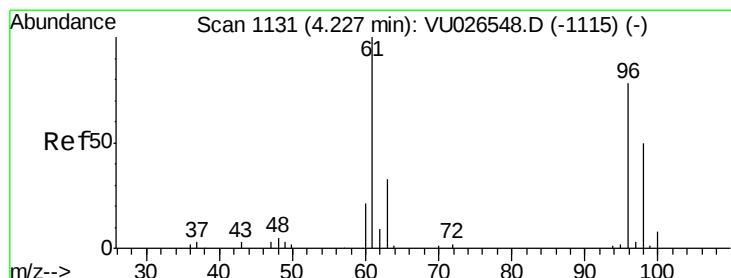
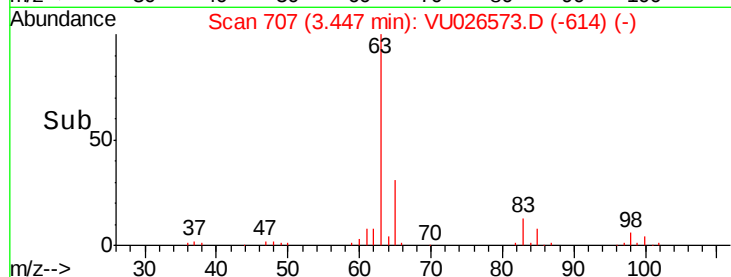
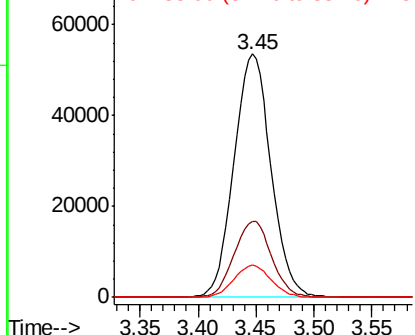
#19
 1,1-Dichloroethane
 Concen: 53.825 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB50

Tgt Ion: 63 Resp: 118444
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.6 40.2
 83 13.5 8.8 16.4

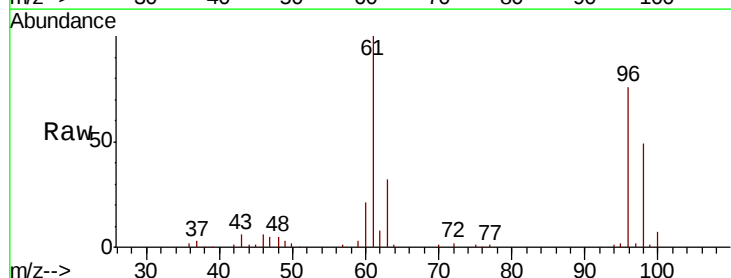


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

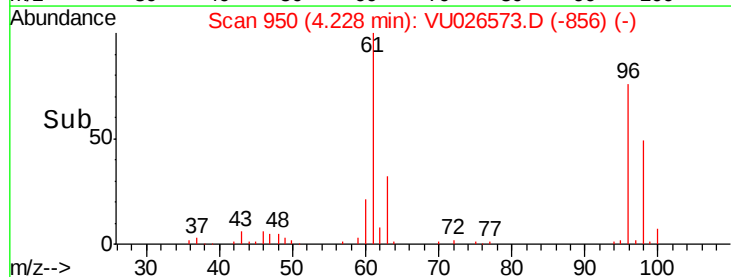
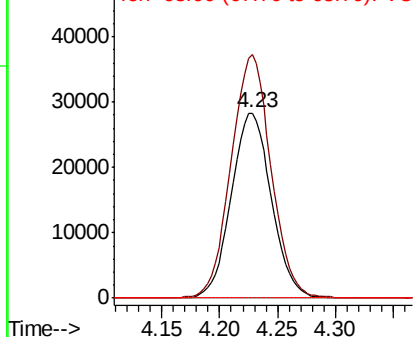


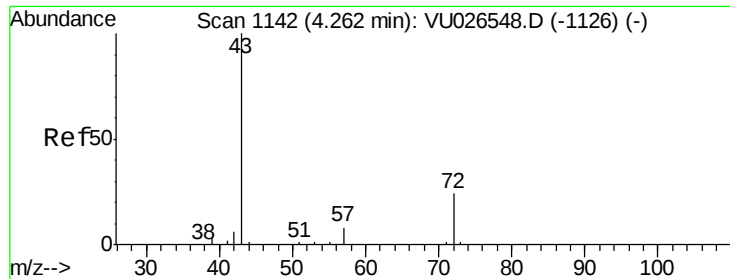
#20
 cis-1,2-Dichloroethene
 Concen: 54.173 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Tgt Ion: 96 Resp: 67964
 Ion Ratio Lower Upper
 96 100
 61 131.5 91.6 170.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 113.382 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

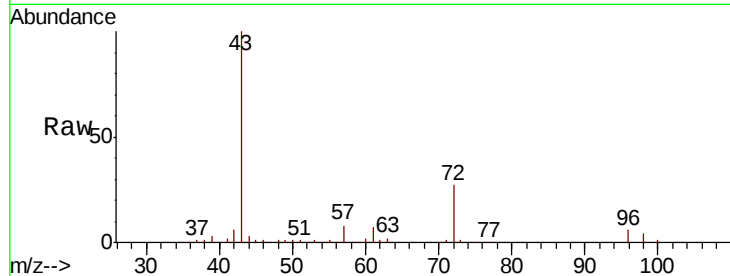
BFB50

Tgt Ion: 43 Resp: 110076

Ion Ratio Lower Upper

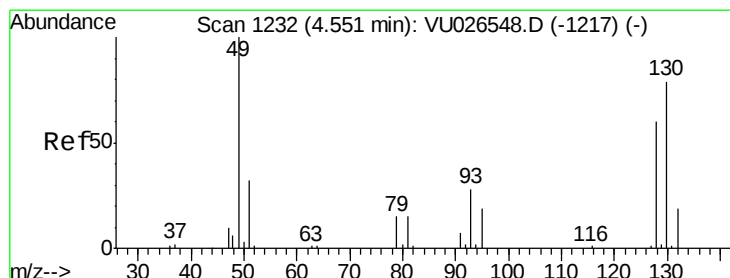
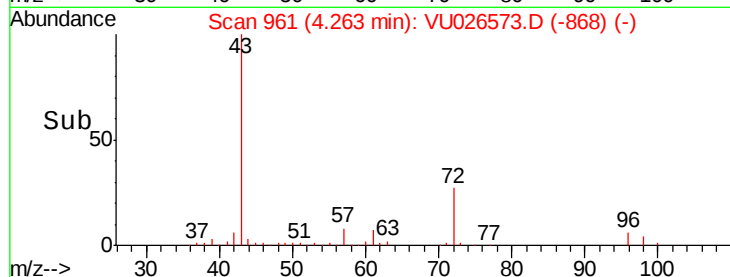
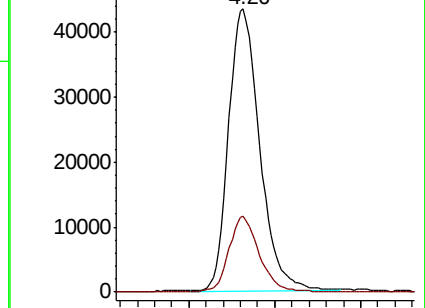
43 100

72 26.1 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026548.D (-1126) (-)

Ion 72.00 (71.70 to 72.70): VU026548.D (-1126) (-)



#23

Bromochloromethane

Concen: 54.110 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Tgt Ion: 128 Resp: 34974

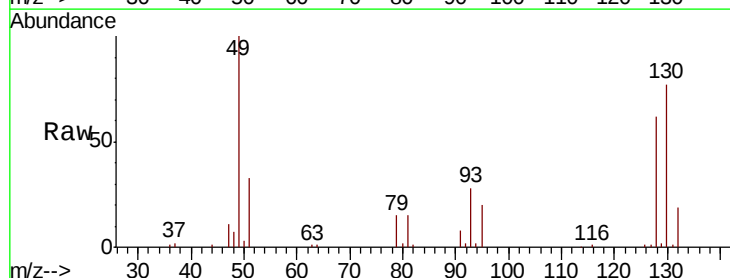
Ion Ratio Lower Upper

128 100

49 162.1 121.2 225.0

130 124.4 94.1 174.7

51 54.0 45.1 67.7

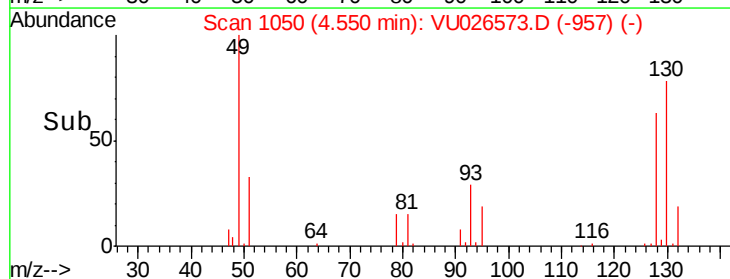
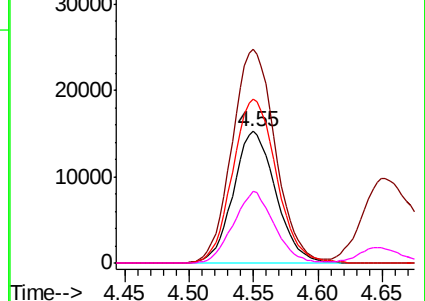


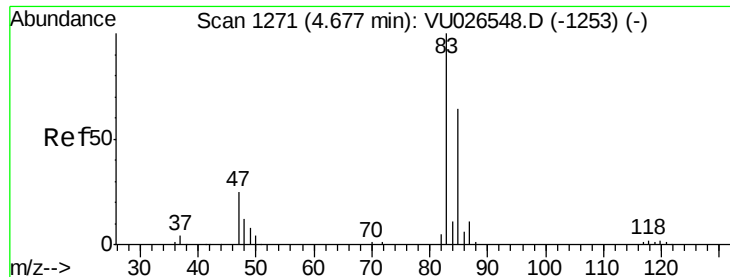
Abundance Ion 128.00 (127.70 to 128.70): VU026548.D (-1217) (-)

Ion 49.00 (48.70 to 49.70): VU026548.D (-1217) (-)

Ion 130.00 (129.70 to 130.70): VU026548.D (-1217) (-)

Ion 51.00 (50.70 to 51.70): VU026548.D (-1217) (-)

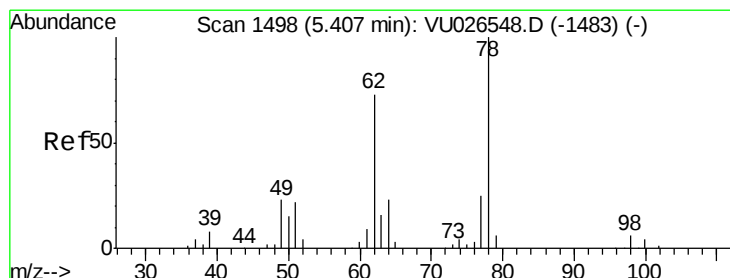
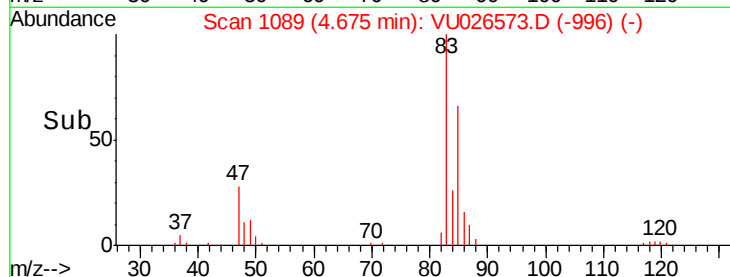
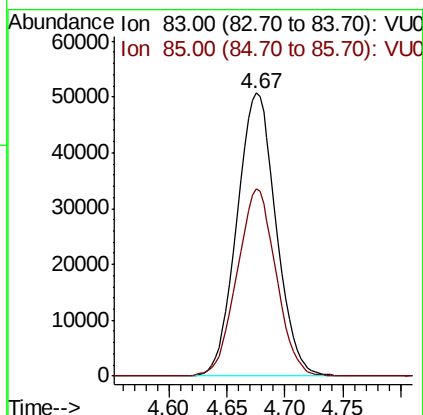
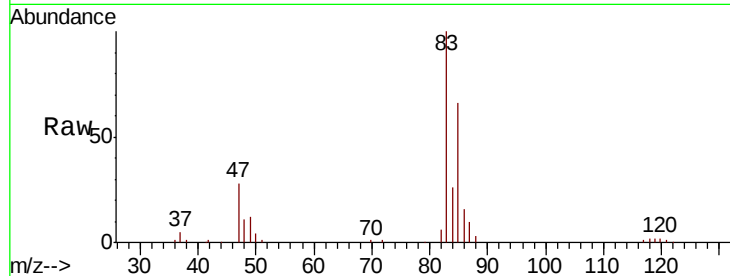




#25
Chloroform
Concen: 52.900 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

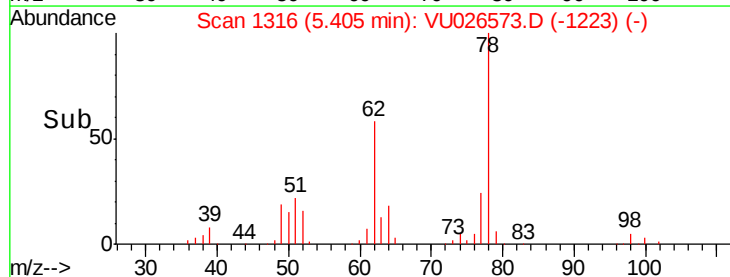
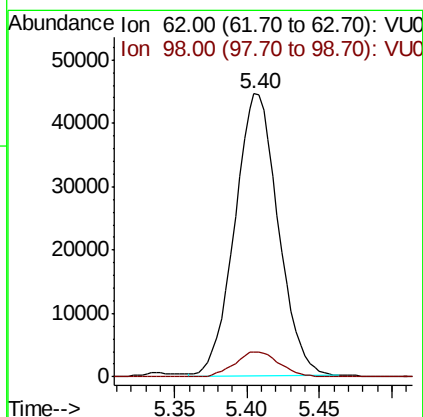
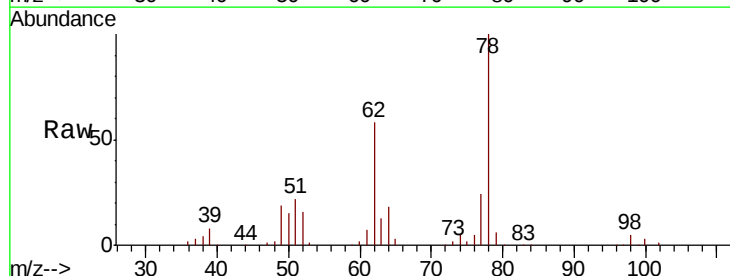
Instrument :
MSVOA_U
ClientSampleId :
BFB50

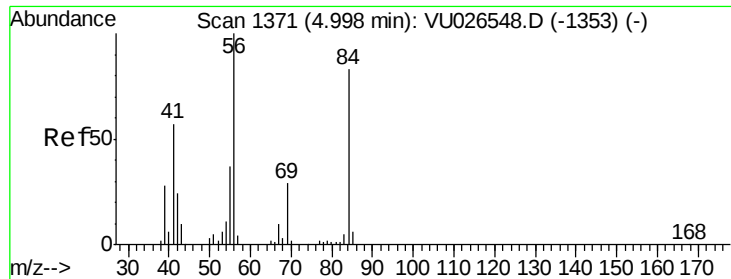
Tgt Ion: 83 Resp: 118883
Ion Ratio Lower Upper
83 100
85 66.3 46.5 86.5



#27
1,2-Dichloroethane
Concen: 50.990 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

Tgt Ion: 62 Resp: 92418
Ion Ratio Lower Upper
62 100
98 9.0 6.8 10.2

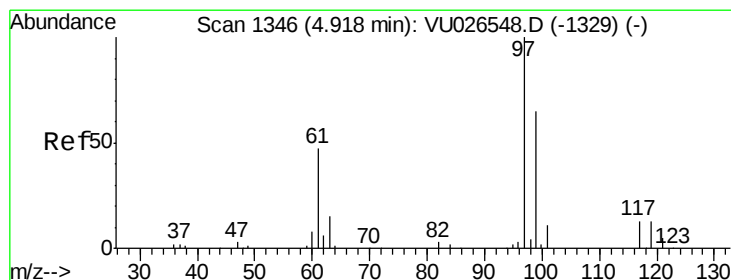
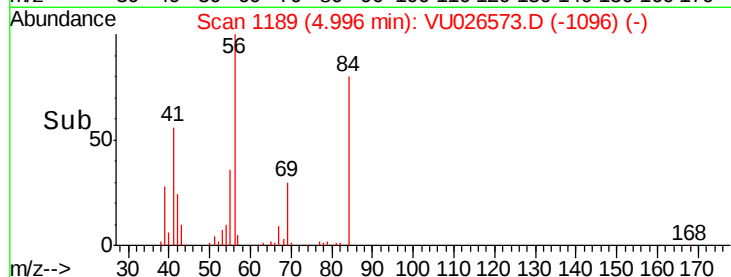
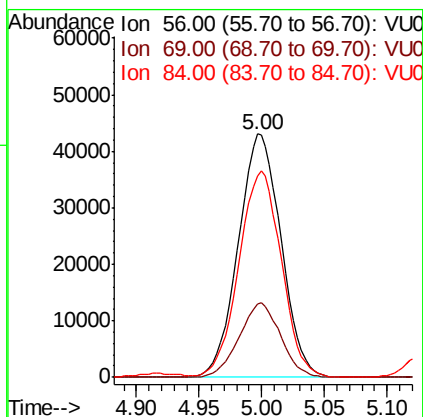
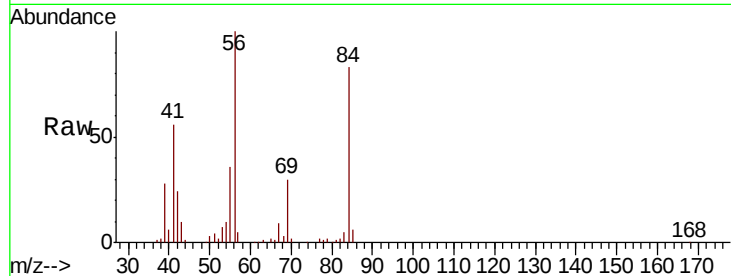




#29
Cyclohexane
Concen: 56.767 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

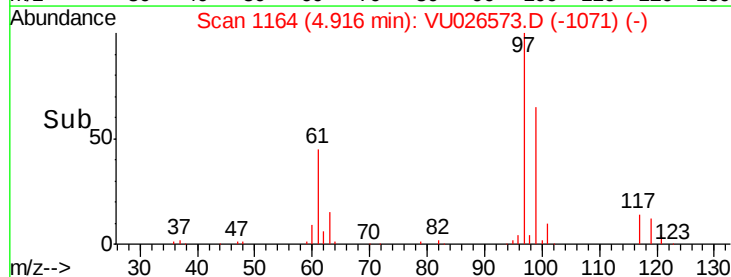
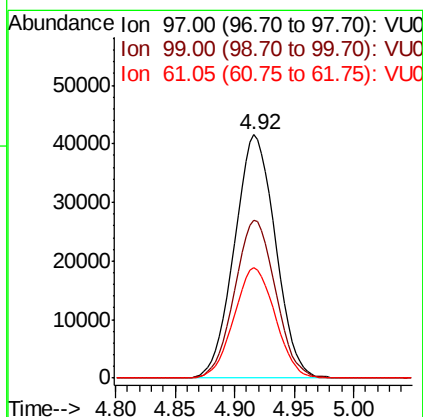
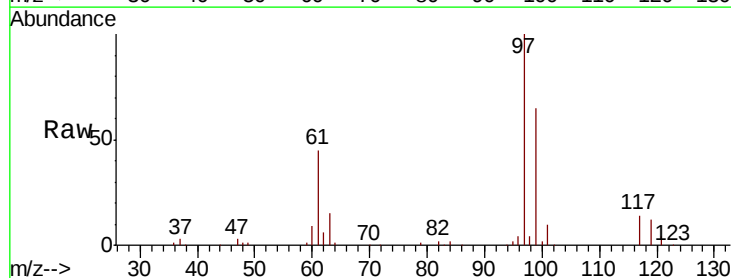
Instrument :
MSVOA_U
ClientSampleId :
BFB50

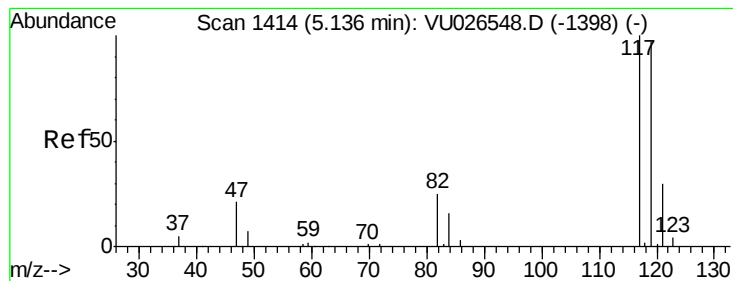
Tgt Ion: 56 Resp: 101669
Ion Ratio Lower Upper
56 100
69 29.5 24.0 36.0
84 84.4 67.2 100.8



#30
1,1,1-Trichloroethane
Concen: 54.980 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

Tgt Ion: 97 Resp: 99453
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 45.7 37.9 56.9





#31

Carbon tetrachloride

Concen: 53.994 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

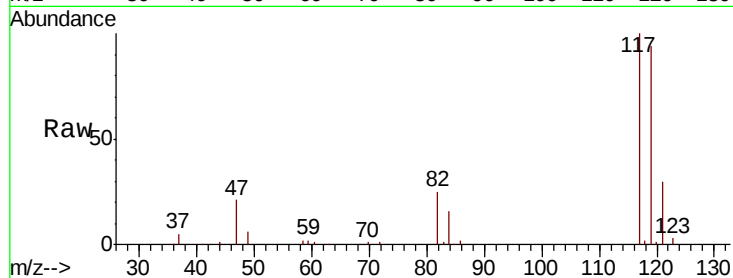
BFB50

Tgt Ion:117 Resp: 88744

Ion Ratio Lower Upper

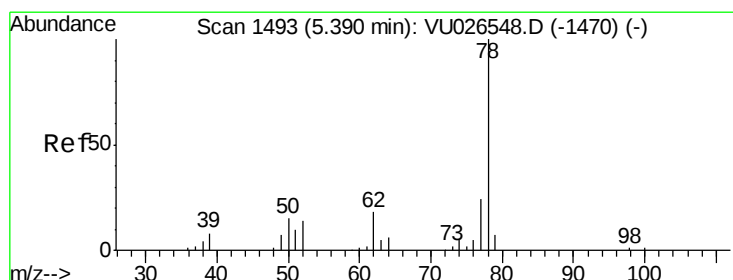
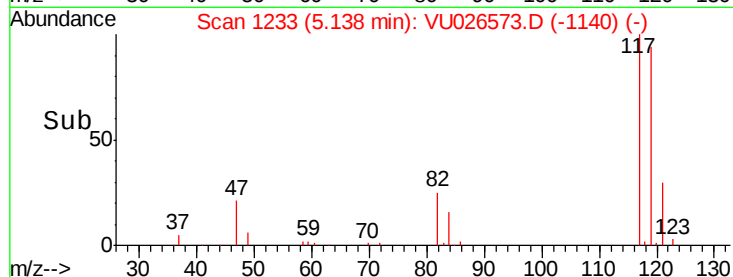
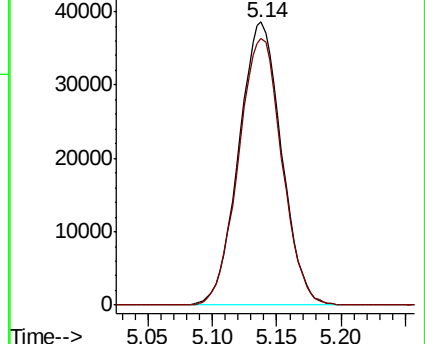
117 100

119 96.1 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 55.125 ug/L

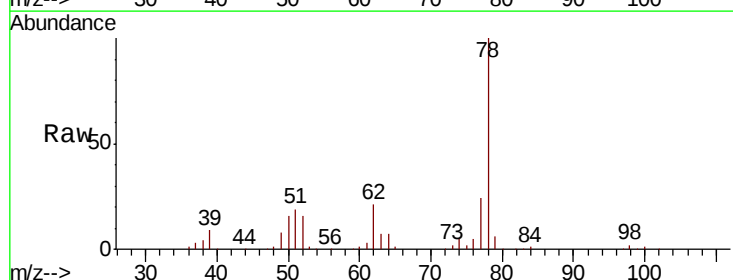
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026573.D

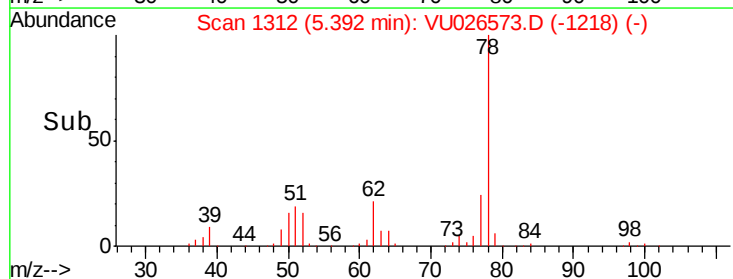
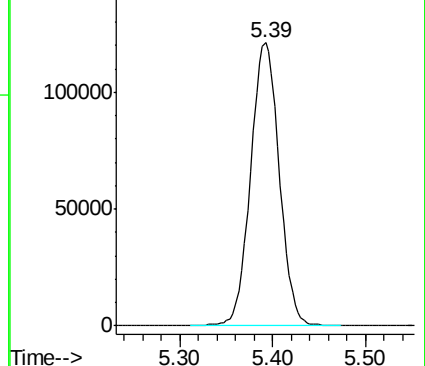
Acq: 06 Sep 2018 11:13

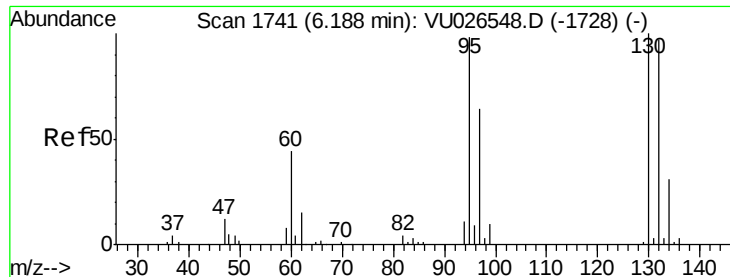
Tgt Ion: 78 Resp: 259777



Abundance Ion 78.00 (77.70 to 78.70): VU0

Time-->





#34

Trichloroethene

Concen: 55.074 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

BFB50

Tgt Ion: 95 Resp: 65100

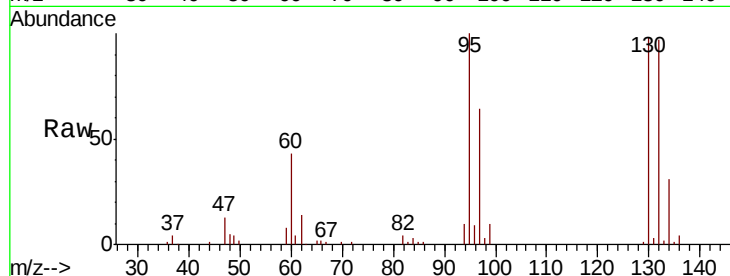
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.7

132 96.9 67.5 125.3

130 97.8 69.3 128.7



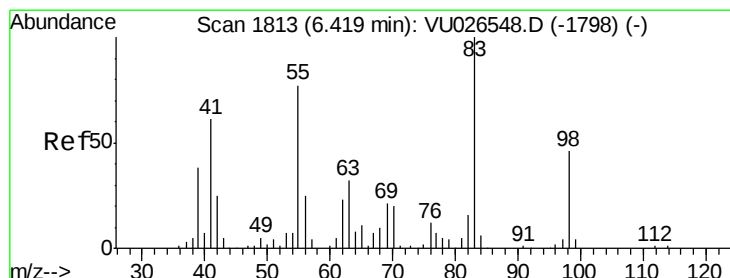
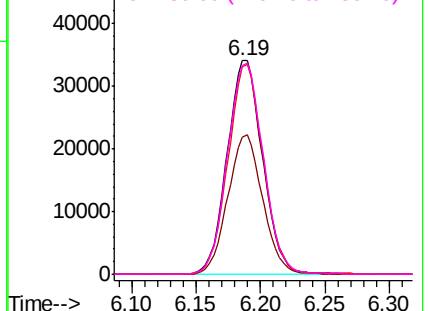
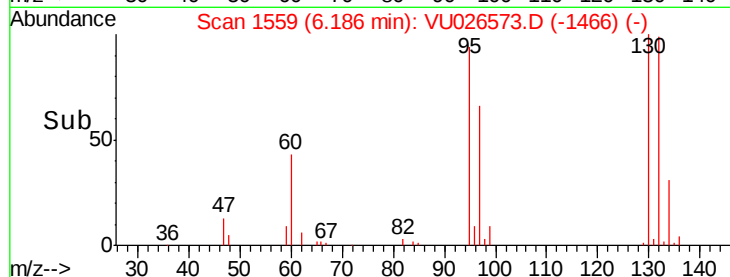
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 57.879 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

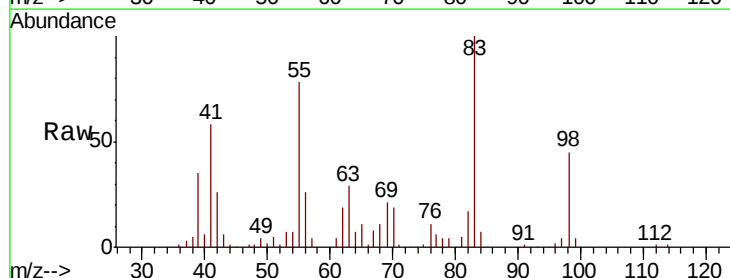
Tgt Ion: 83 Resp: 106830

Ion Ratio Lower Upper

83 100

55 77.6 63.3 94.9

98 46.0 36.7 55.1

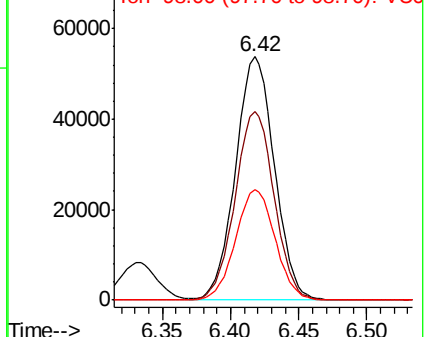
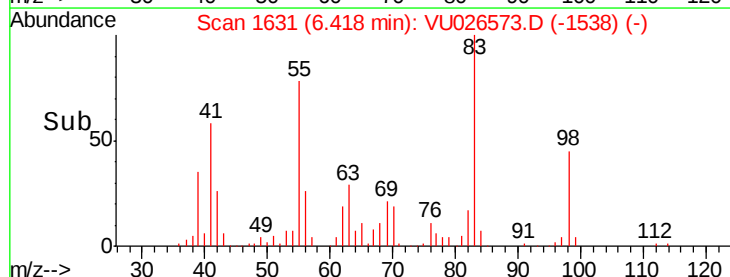


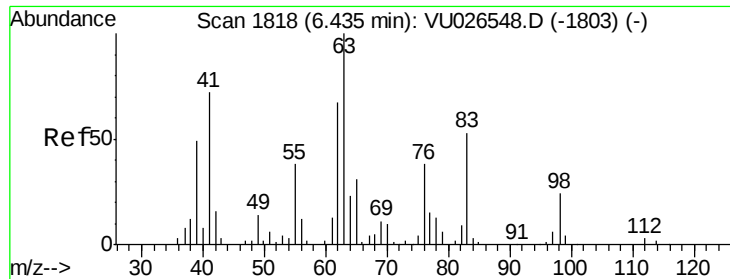
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

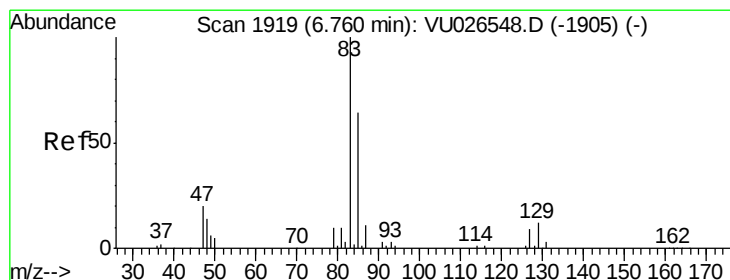
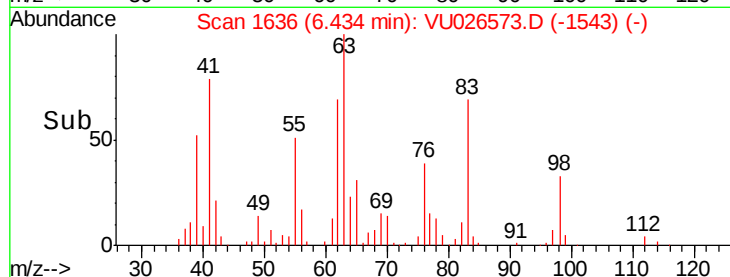
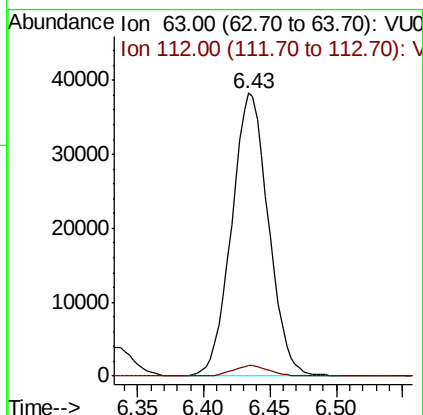
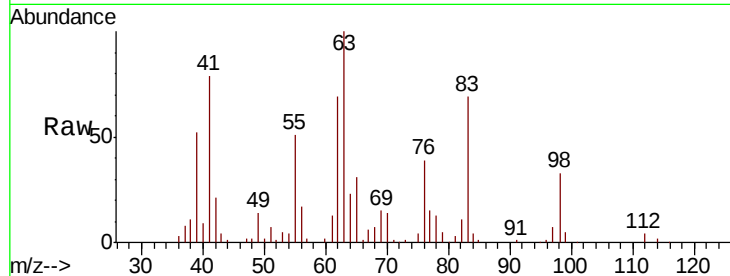




#37
 1,2-Dichloropropane
 Concen: 56.625 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

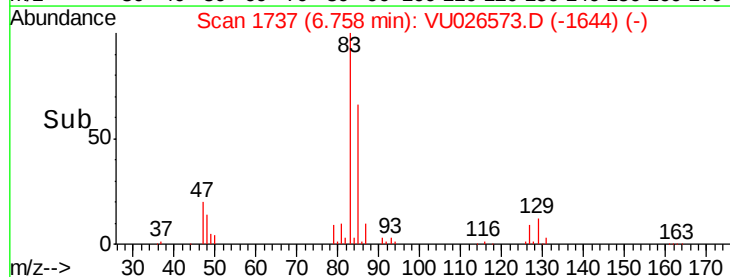
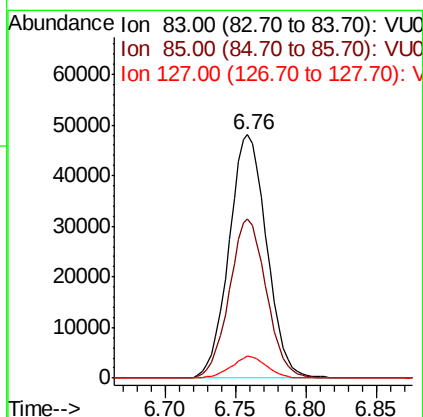
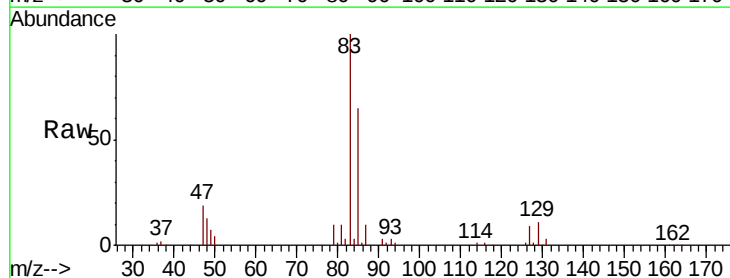
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB50

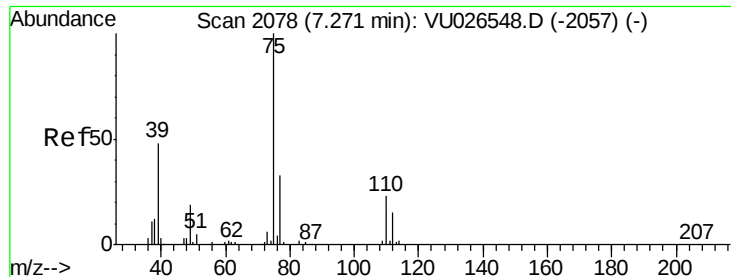
Tgt Ion: 63 Resp: 73874
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.6



#38
 Bromodichloromethane
 Concen: 54.085 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Tgt Ion: 83 Resp: 89979
 Ion Ratio Lower Upper
 83 100
 85 65.4 43.9 81.5
 127 8.9 7.0 10.6

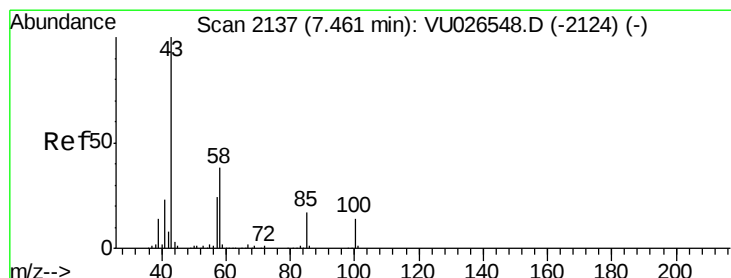
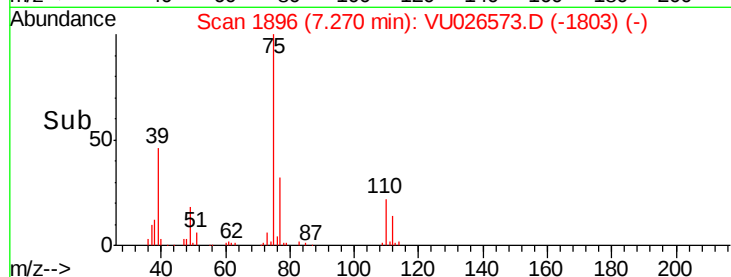
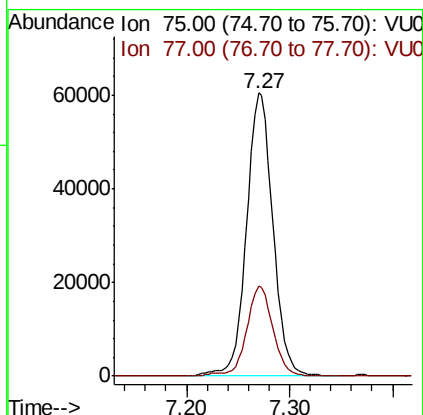
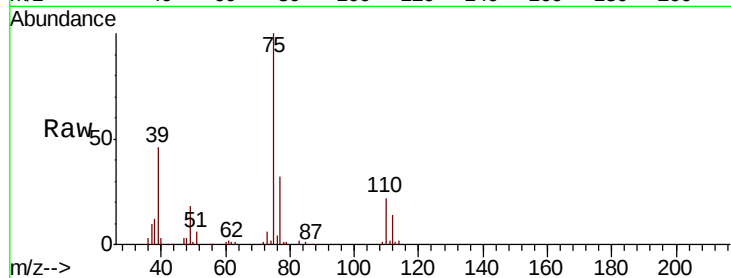




#39
 cis-1,3-Dichloropropene
 Concen: 57.717 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

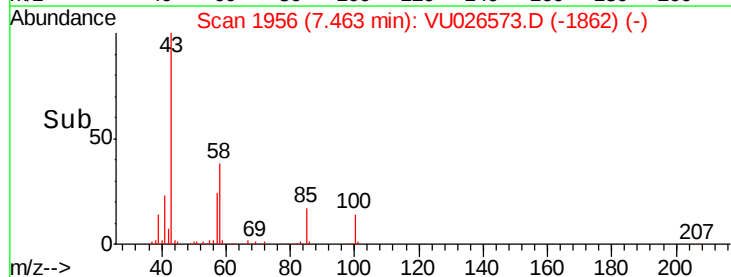
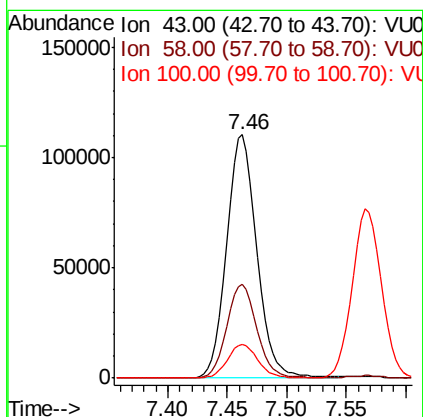
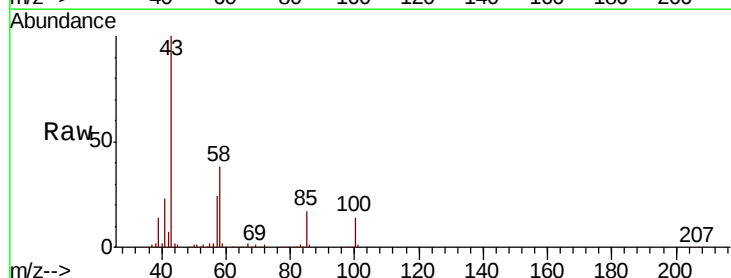
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB50

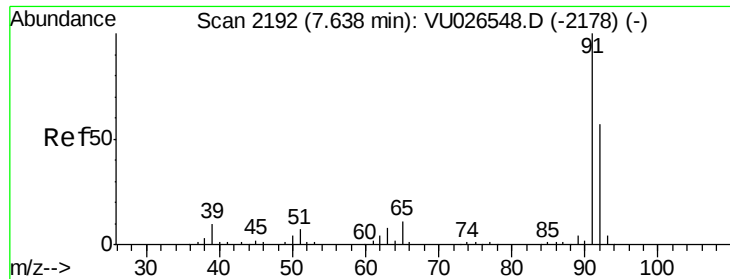
Tgt Ion: 75 Resp: 107292
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 110.333 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Tgt Ion: 43 Resp: 194123
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.4 45.6
 100 13.9 11.0 16.4





#42

Toluene

Concen: 55.863 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

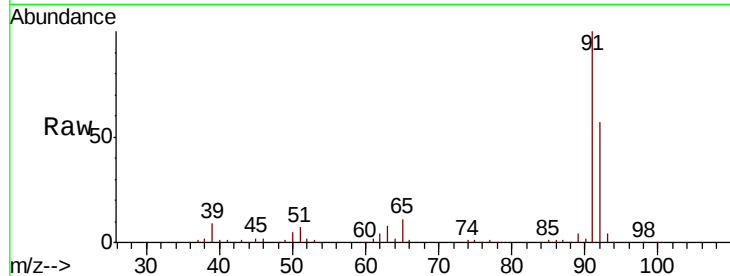
BFB50

Tgt Ion: 91 Resp: 274694

Ion Ratio Lower Upper

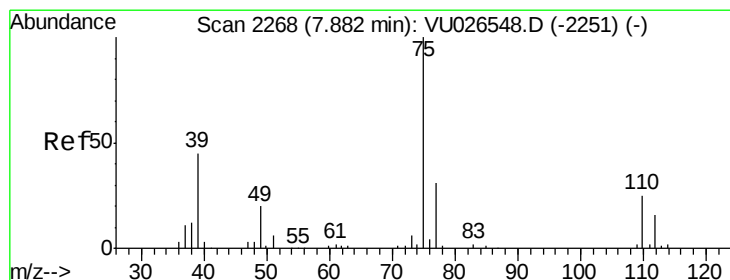
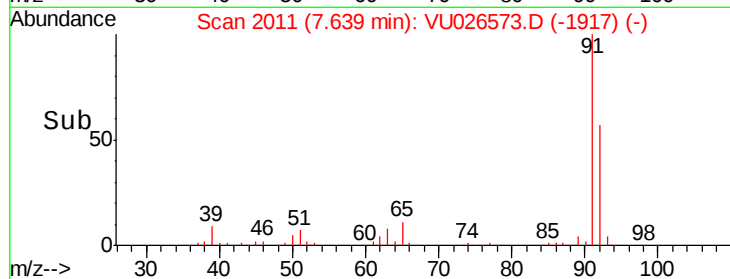
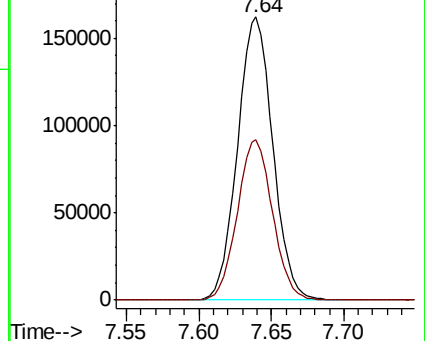
91 100

92 56.8 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 56.022 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026573.D

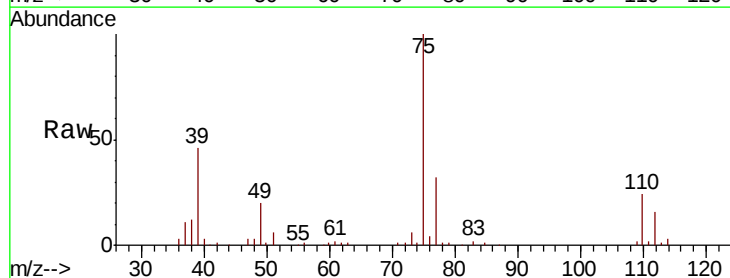
Acq: 06 Sep 2018 11:13

Tgt Ion: 75 Resp: 99259

Ion Ratio Lower Upper

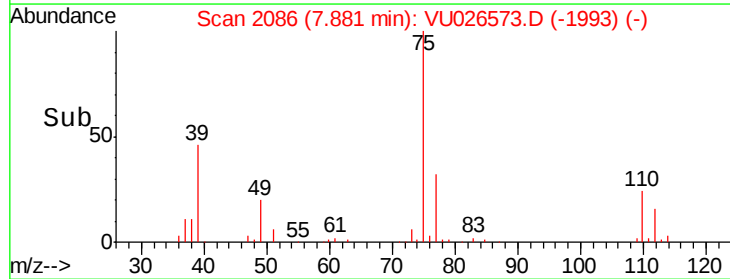
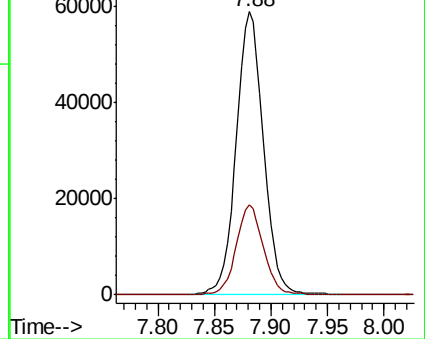
75 100

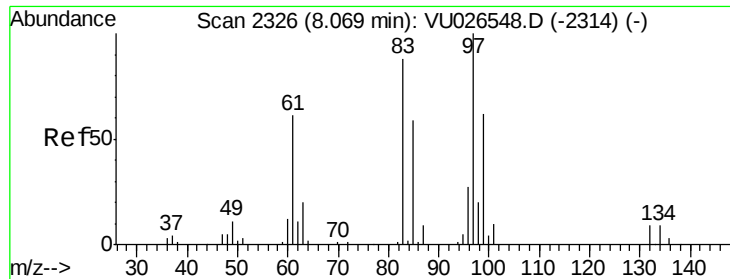
77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

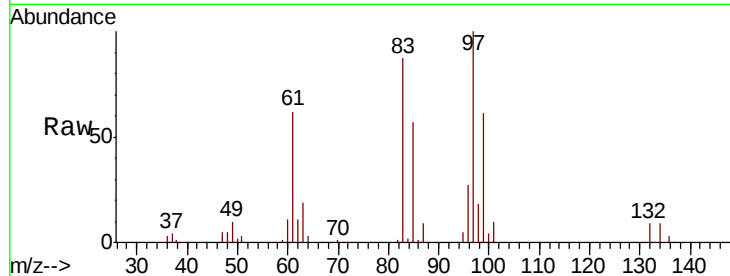




#45
 1,1,2-Trichloroethane
 Concen: 54.680 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB50

Tgt Ion:	97	Resp:	65351
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.9	81.5
83	87.0	62.7	116.5
85	57.4	39.4	73.2



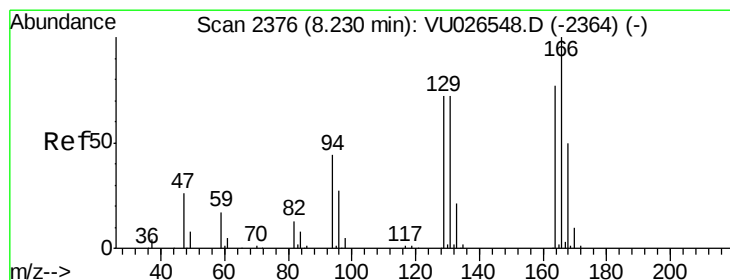
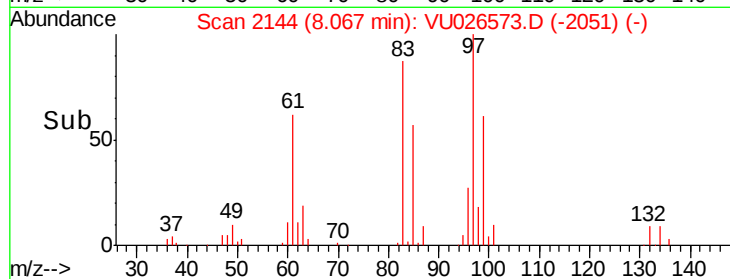
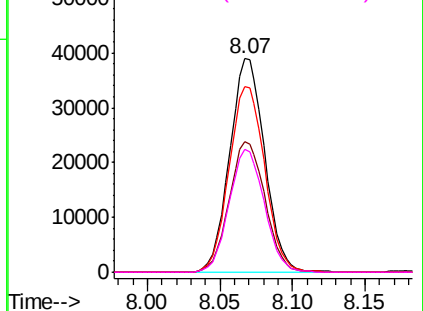
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

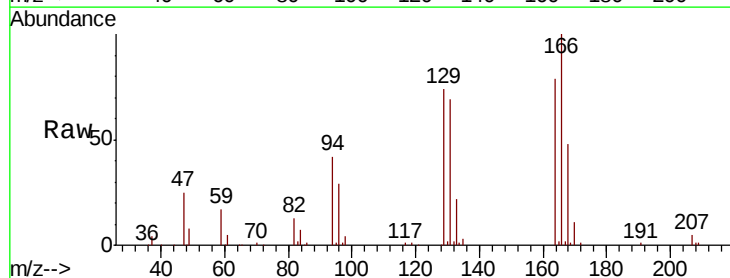
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 55.079 ug/L
 RT: 8.23 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Tgt Ion:	164	Resp:	53229
Ion	Ratio	Lower	Upper
164	100		
129	93.0	67.3	125.1
131	87.3	65.3	121.3
166	126.2	90.9	168.7



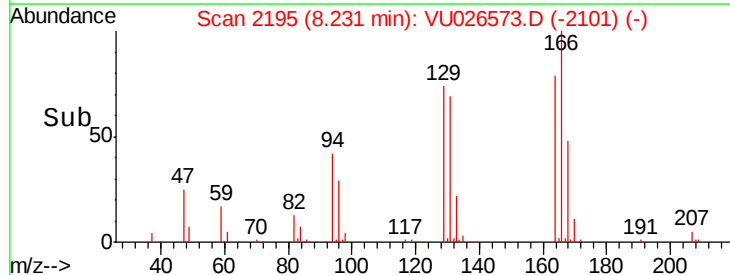
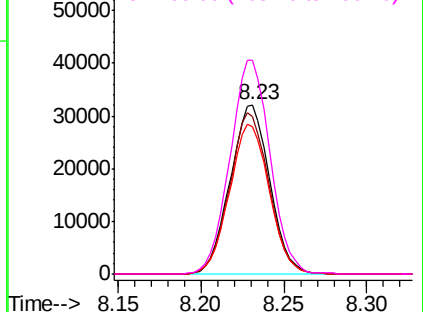
Abundance

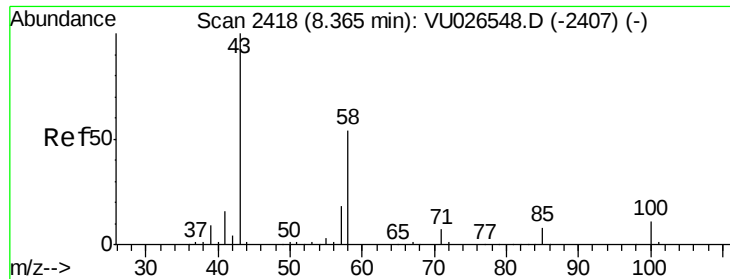
Ion 164.00 (163.70 to 164.70): V

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

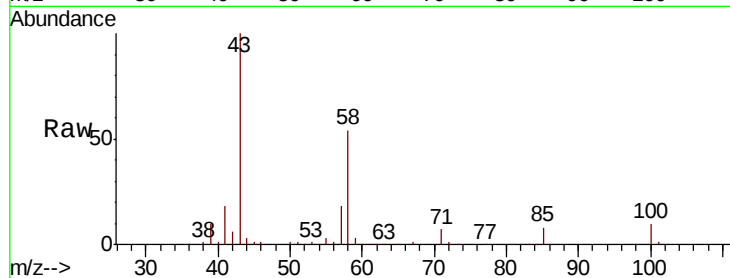




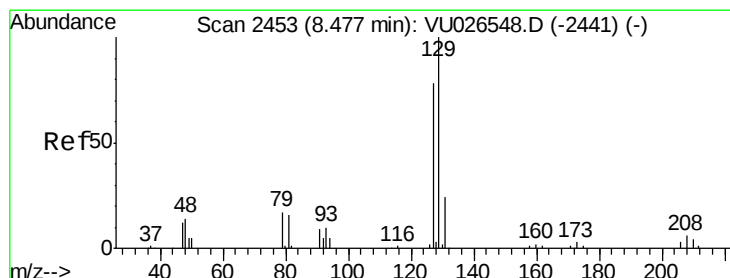
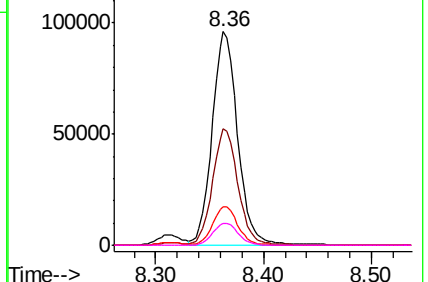
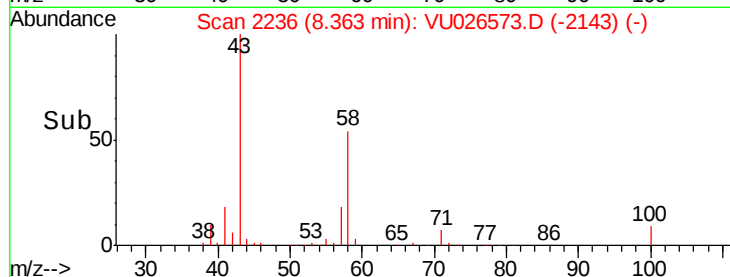
#48
2-Hexanone
Concen: 113.459 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

Instrument :
MSVOA_U
ClientSampled :
BFB50

Tgt Ion: 43 Resp: 157219
Ion Ratio Lower Upper
43 100
58 54.4 42.2 63.4
57 17.8 14.6 21.8
100 10.4 8.3 12.5

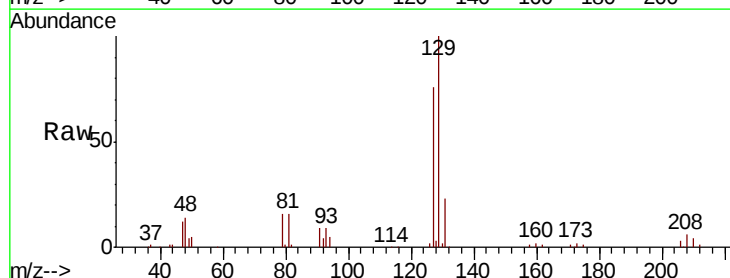


Abundance Ion 43.00 (42.70 to 43.70): VU0
150000 Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

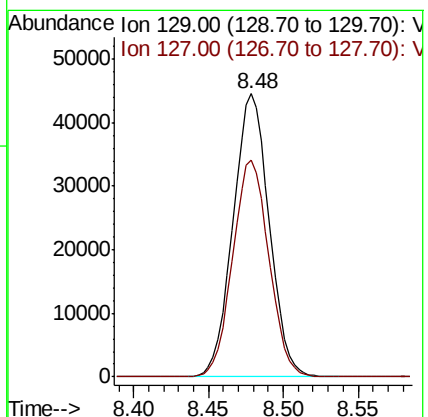
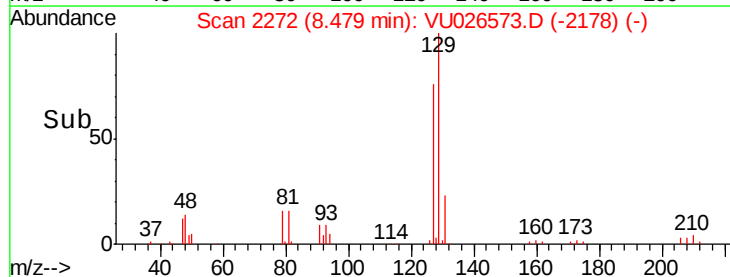


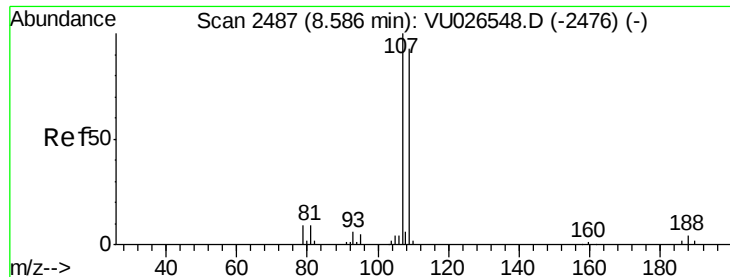
#49
Dibromochloromethane
Concen: 55.564 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

Tgt Ion: 129 Resp: 74825
Ion Ratio Lower Upper
129 100
127 76.4 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): V
50000 Ion 127.00 (126.70 to 127.70): V

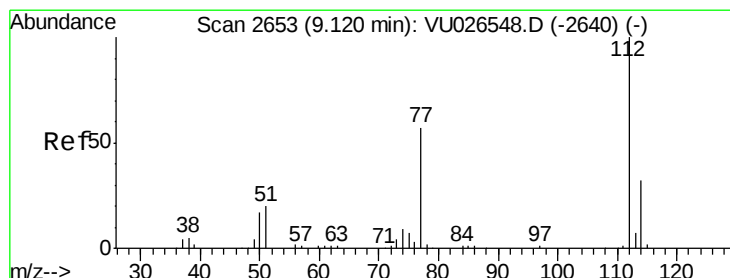
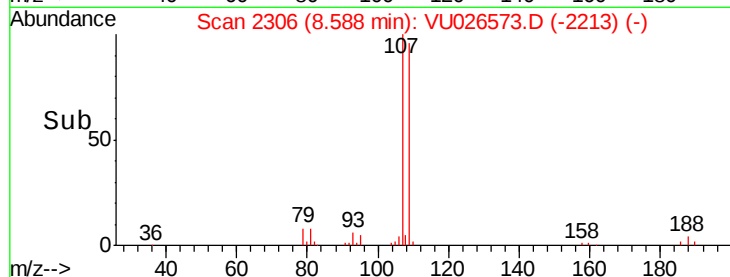
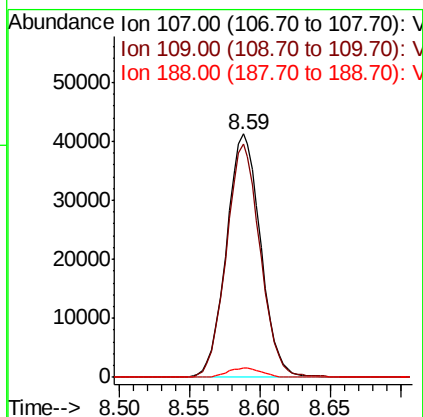
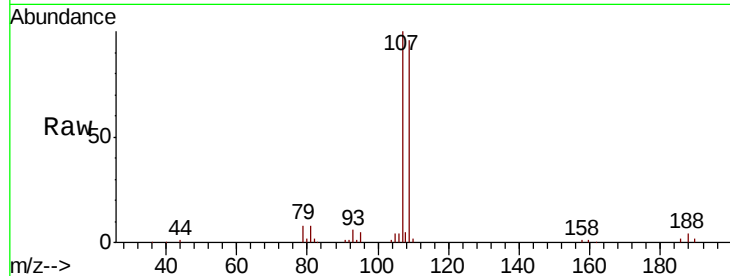




#50
 1,2-Dibromoethane
 Concen: 54.903 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

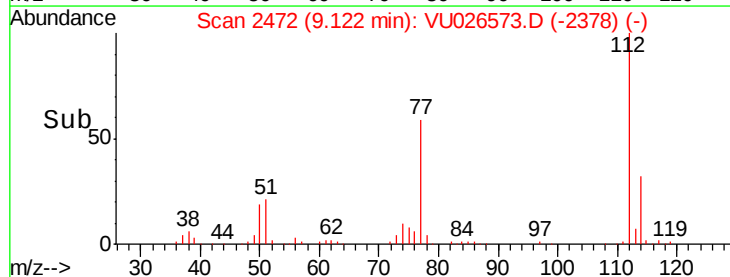
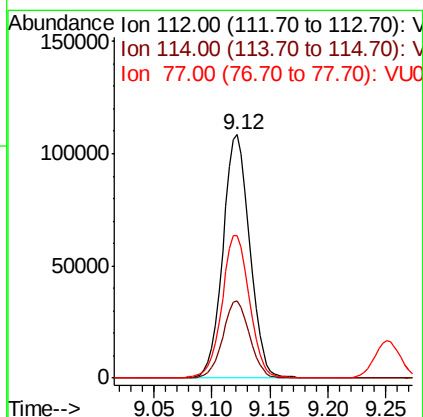
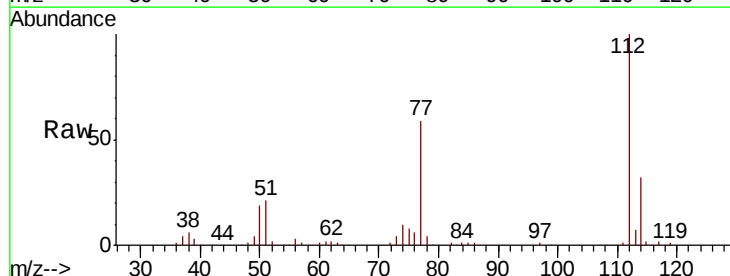
Instrument :
 MSVOA_U
 ClientSampled :
 BFB50

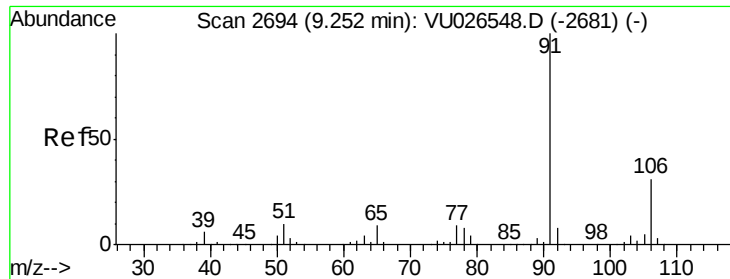
Tgt Ion:107 Resp: 69873
 Ion Ratio Lower Upper
 107 100
 109 95.7 63.4 117.8
 188 3.8 3.2 4.8



#51
 Chlorobenzene
 Concen: 52.943 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Tgt Ion:112 Resp: 174091
 Ion Ratio Lower Upper
 112 100
 114 31.6 23.2 43.2
 77 58.7 47.3 70.9





#52

Ethylbenzene

Concen: 55.734 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

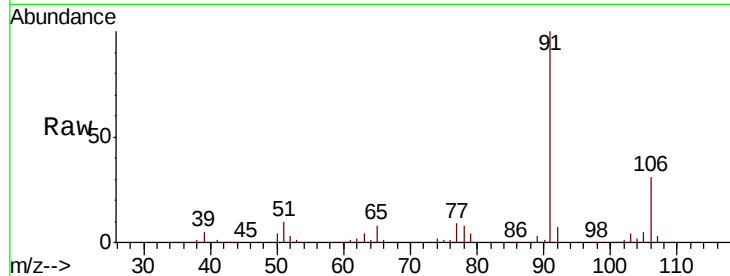
BFB50

Tgt Ion: 91 Resp: 298071

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026548.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU026548.D (-2681) (-)

9.25

200000

150000

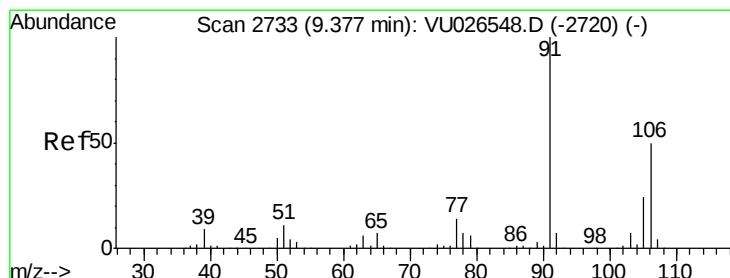
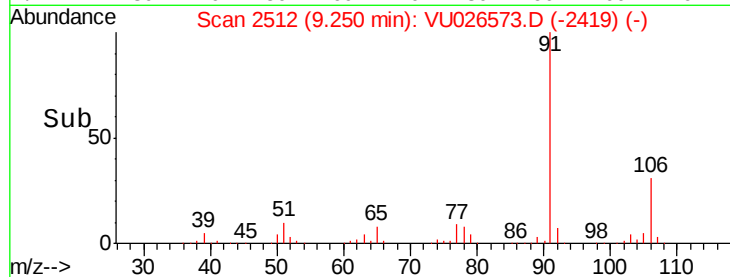
100000

50000

0

9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 56.544 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026573.D

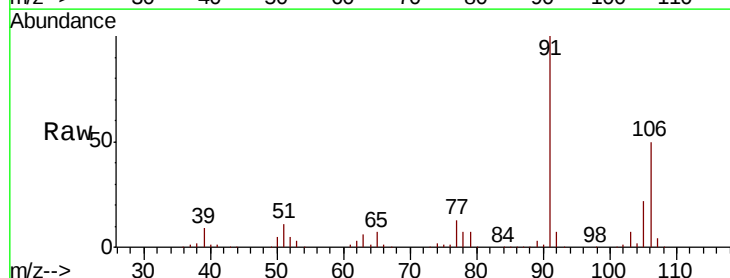
Acq: 06 Sep 2018 11:13

Tgt Ion: 106 Resp: 112913

Ion Ratio Lower Upper

106 100

91 201.9 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026548.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU026548.D (-2720) (-)

9.38

150000

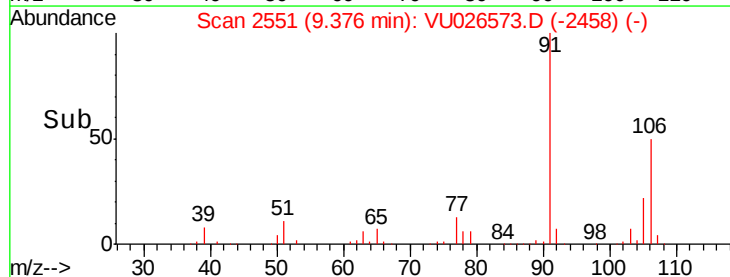
100000

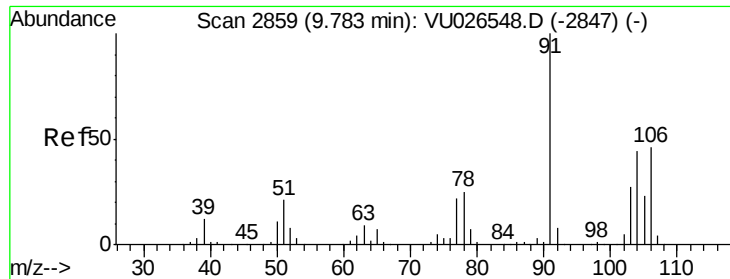
50000

0

9.30 9.35 9.40 9.45

Time-->

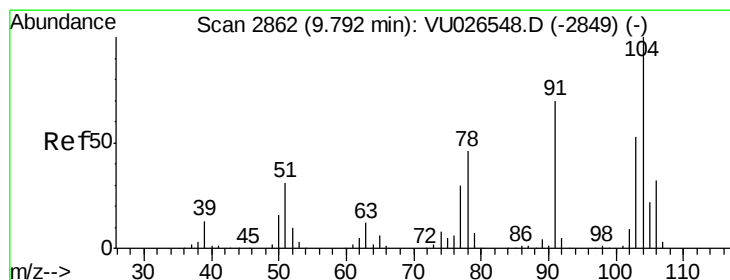
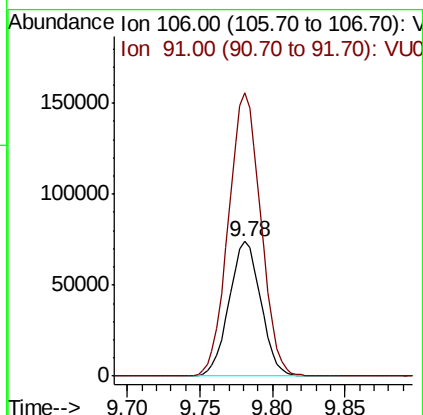
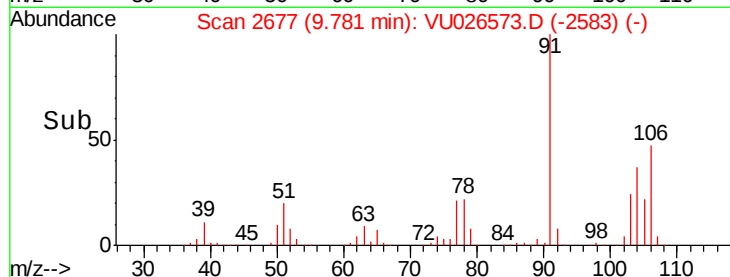
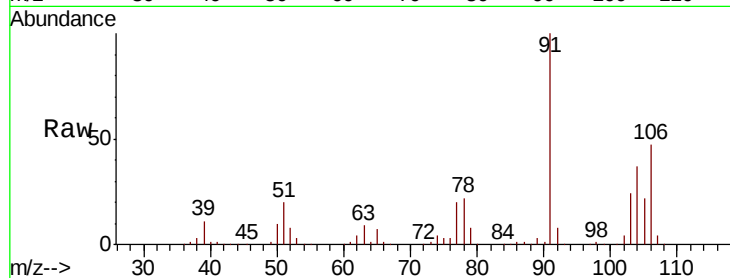




#54
o-xylene
Concen: 57.814 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

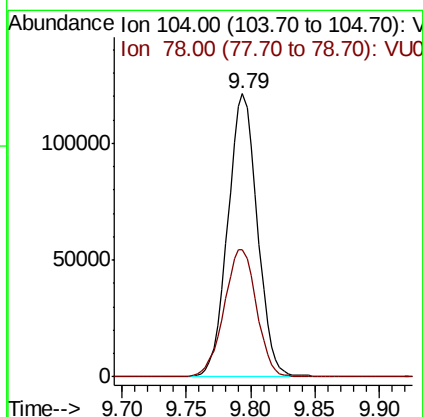
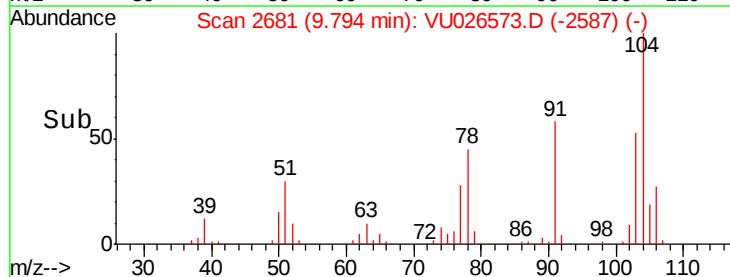
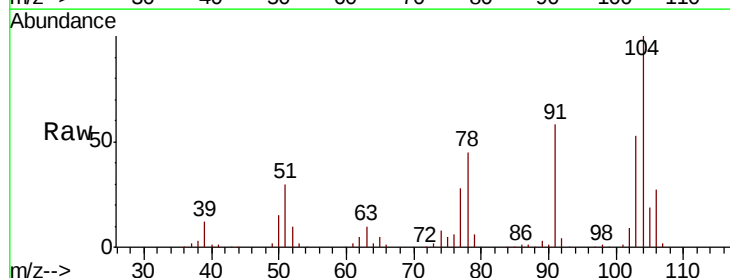
Instrument :
MSVOA_U
ClientSampleId :
BFB50

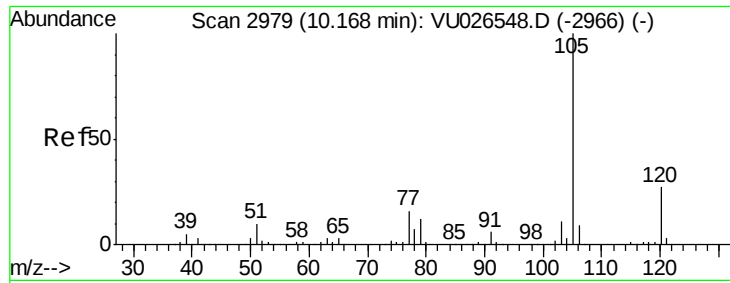
Tgt Ion:106 Resp: 112585
Ion Ratio Lower Upper
106 100
91 210.7 153.3 284.7



#55
Styrene
Concen: 56.636 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026573.D
Acq: 06 Sep 2018 11:13

Tgt Ion:104 Resp: 192670
Ion Ratio Lower Upper
104 100
78 45.0 31.1 57.7





#56

Isopropylbenzene

Concen: 57.346 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

BFB50

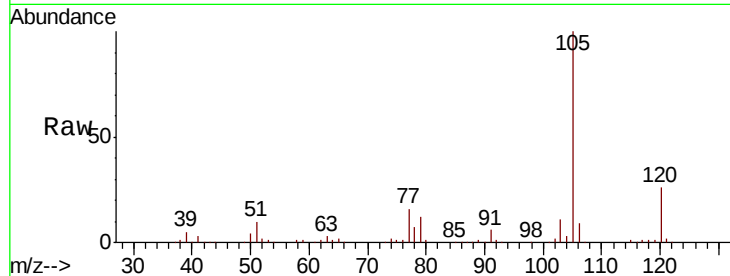
Tgt Ion: 105 Resp: 292324

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

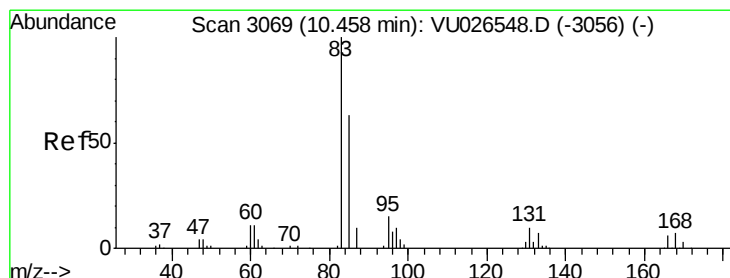
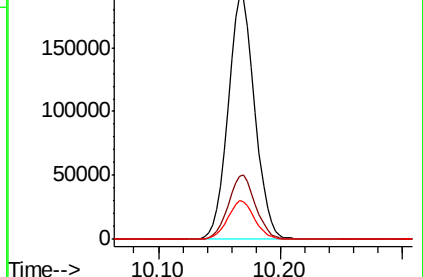
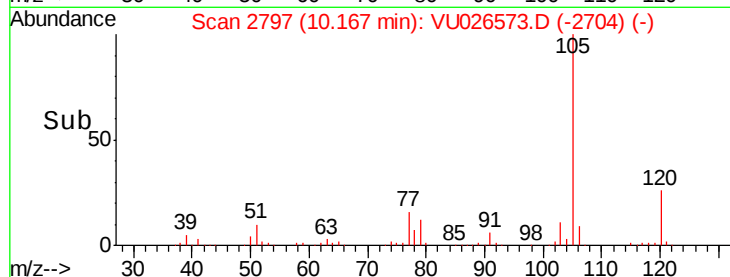
77 15.8 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 53.668 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

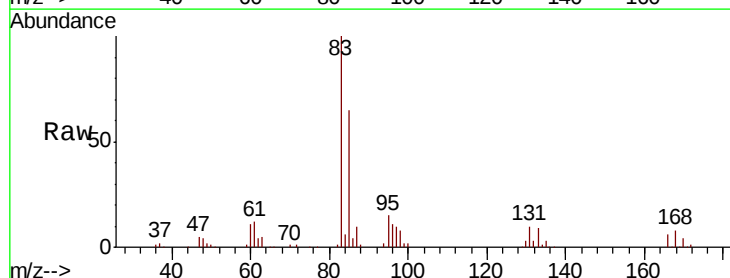
Tgt Ion: 83 Resp: 112984

Ion Ratio Lower Upper

83 100

85 65.1 44.3 82.3

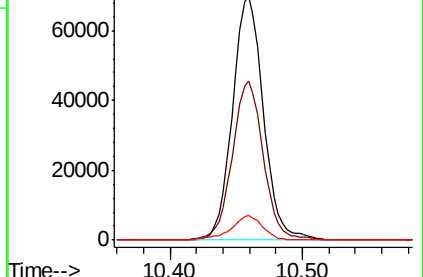
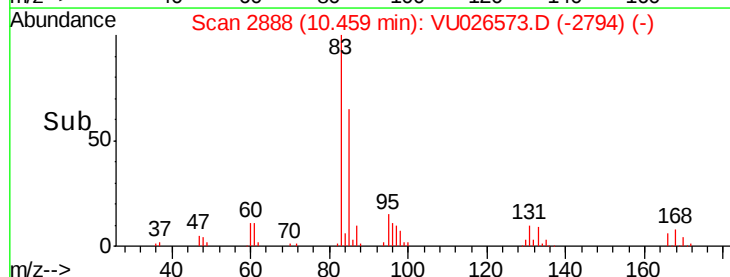
131 9.9 7.8 11.8

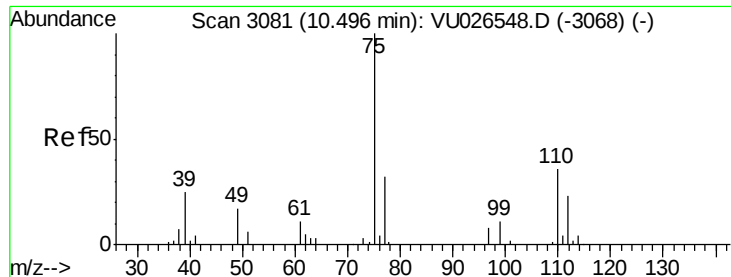


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

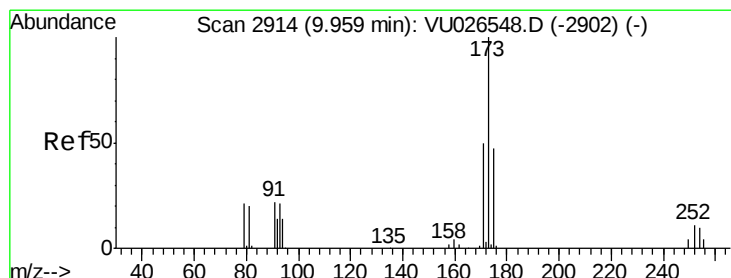
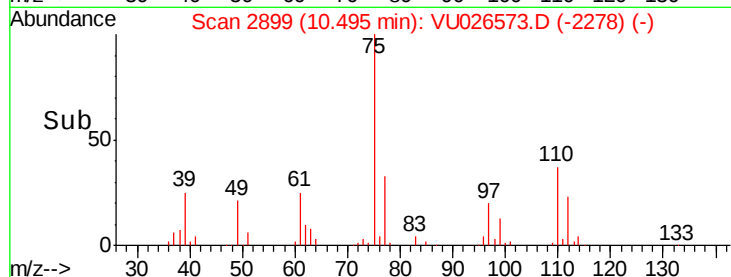
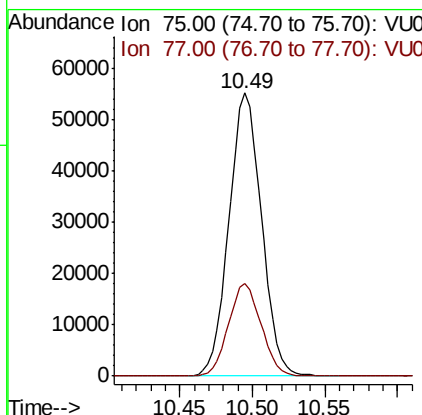
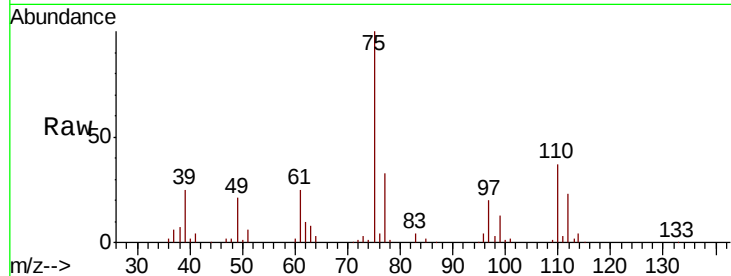




#59
 1,2,3-Trichloropropane
 Concen: 53.061 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

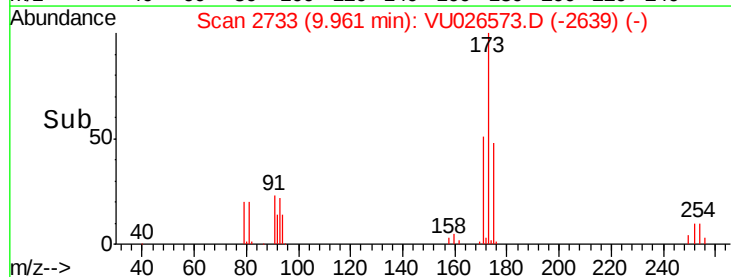
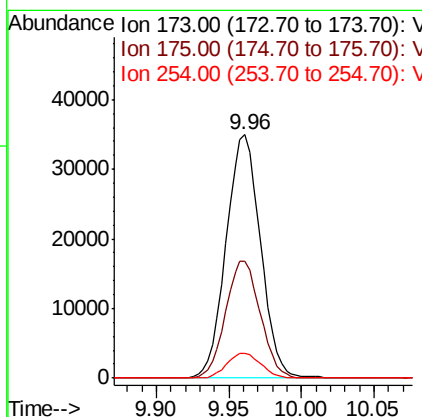
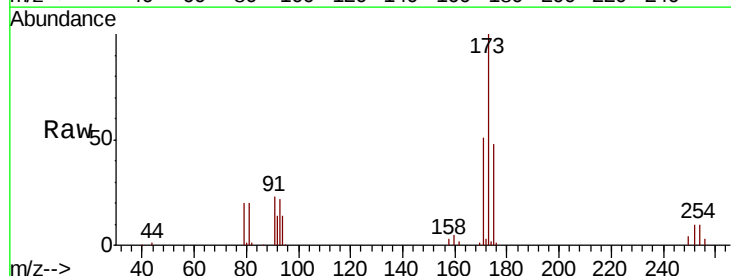
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB50

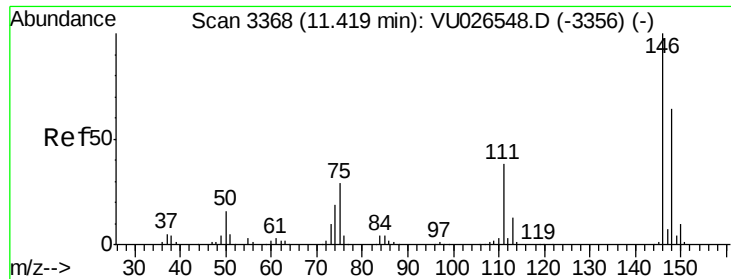
Tgt Ion: 75 Resp: 86377
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.0 37.6



#61
 Bromoform
 Concen: 56.297 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Tgt Ion: 173 Resp: 57663
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.5 57.7
 254 10.0 8.1 12.1

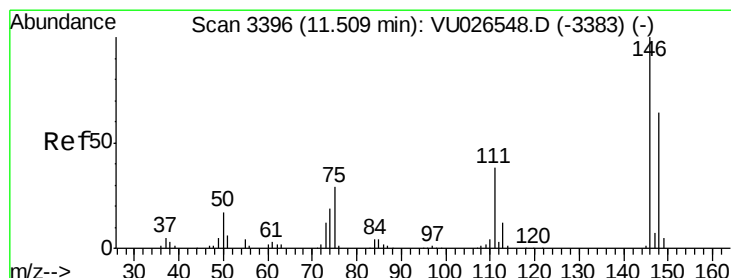
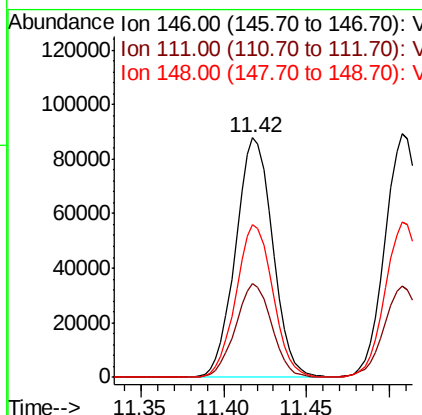
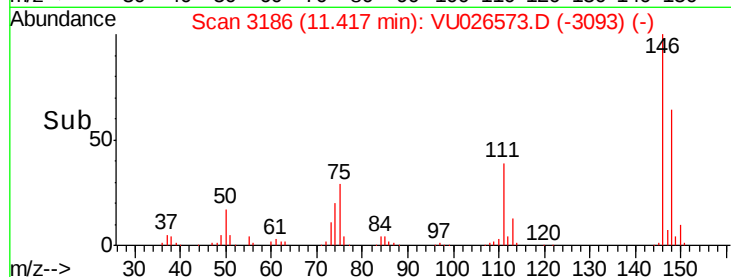
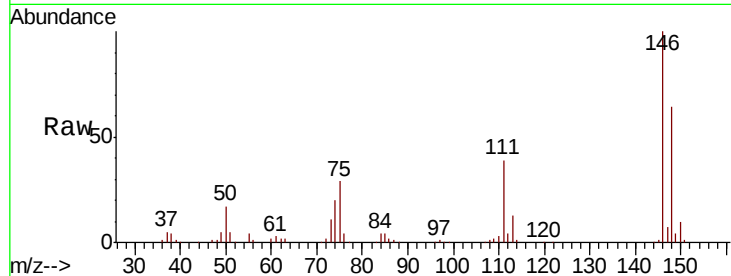




#62
 1,3-Dichlorobenzene
 Concen: 56.273 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

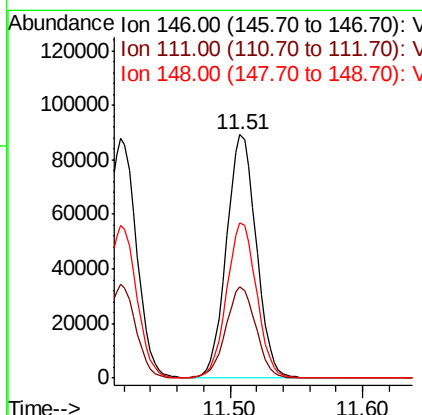
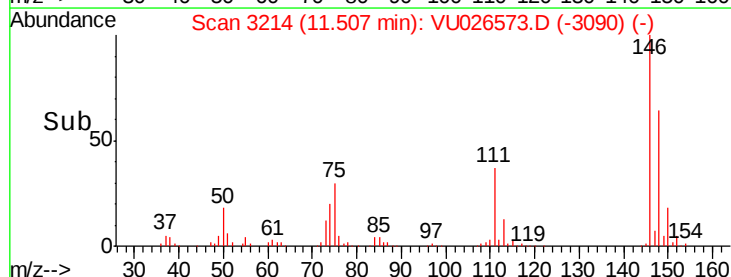
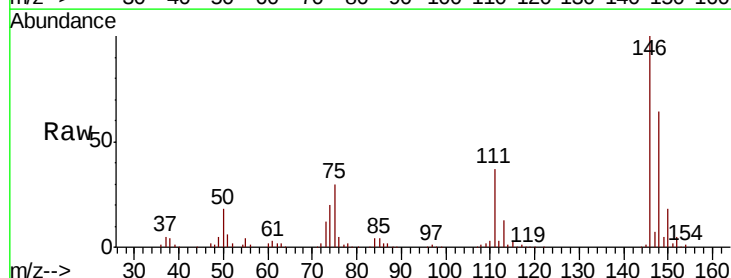
Instrument :
 MSVOA_U
 ClientSampled :
 BFB50

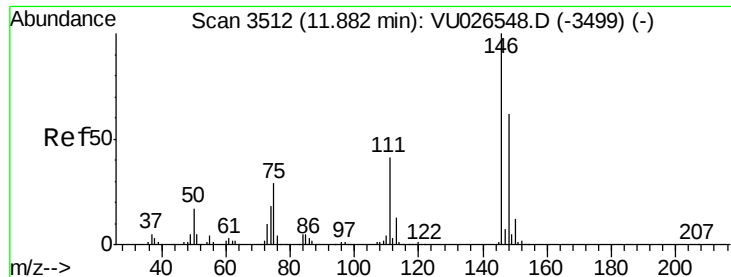
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.5	51.1
148	63.7	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 54.106 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.2	48.6
148	63.6	44.9	83.5

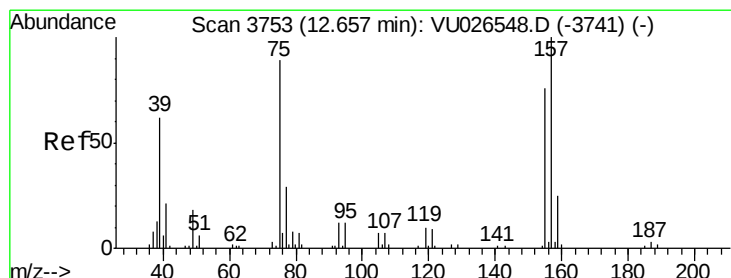
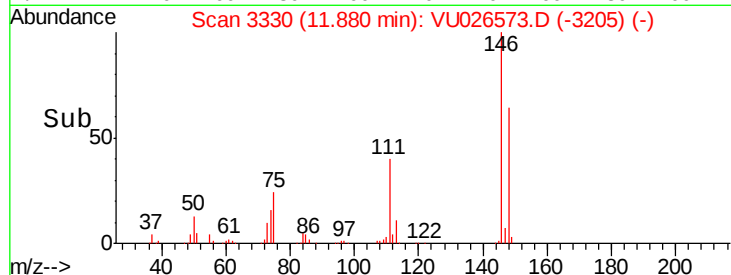
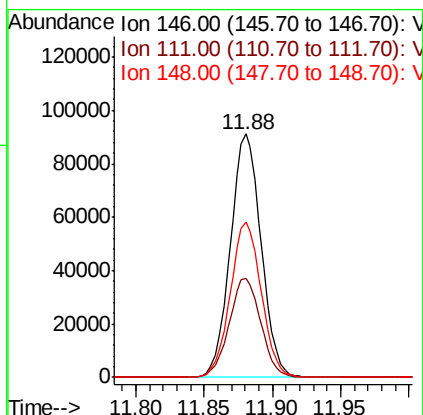
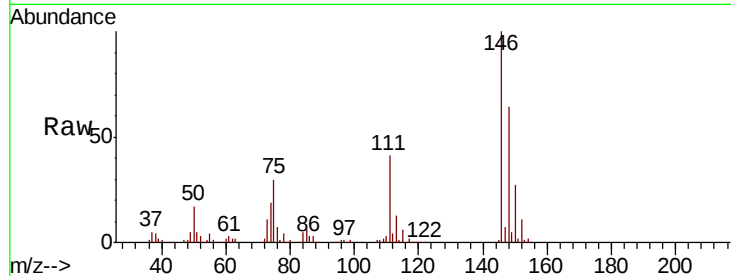




#65
 1,2-Dichlorobenzene
 Concen: 55.682 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

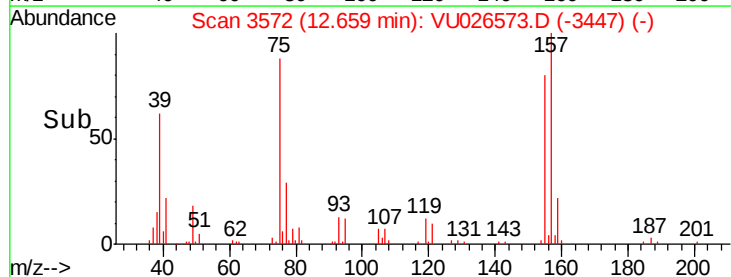
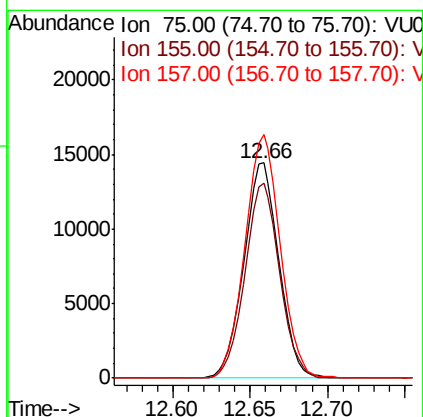
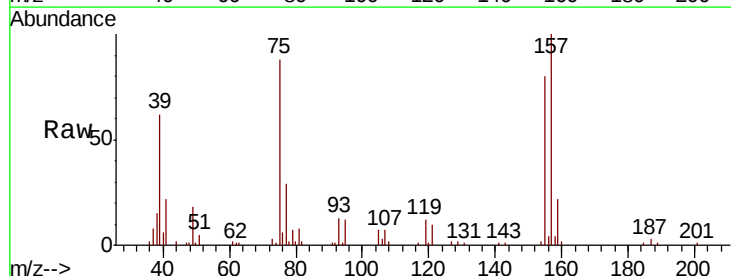
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB50

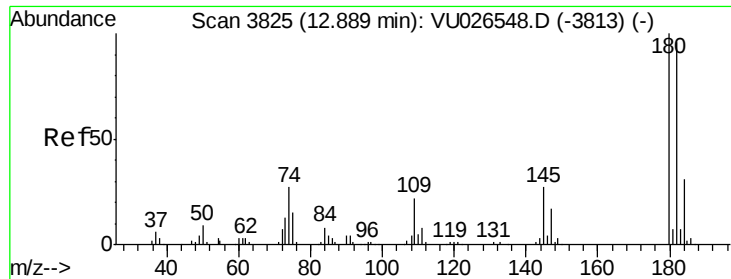
Tgt Ion: 146 Resp: 142624
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.0 48.0
 148 63.7 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.799 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Tgt Ion: 75 Resp: 22740
 Ion Ratio Lower Upper
 75 100
 155 90.4 69.8 104.8
 157 113.2 89.8 134.8

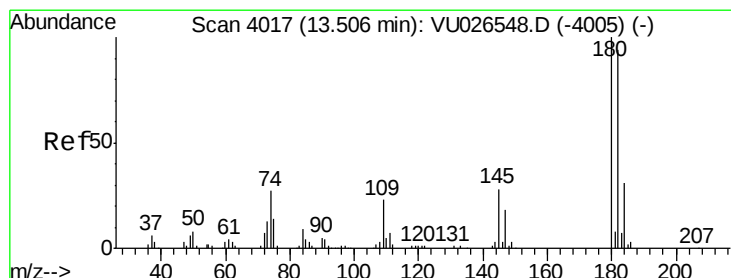
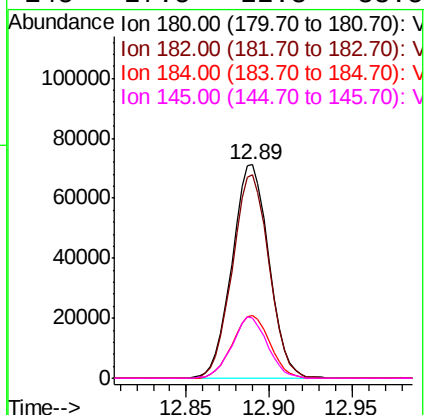
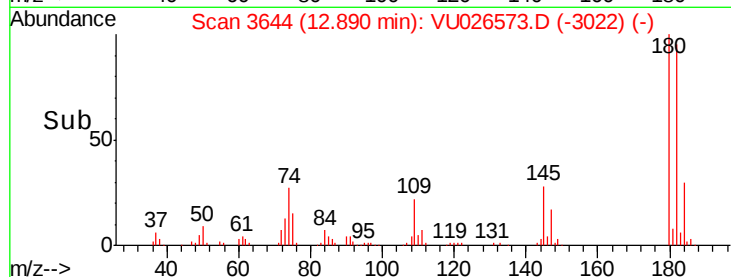
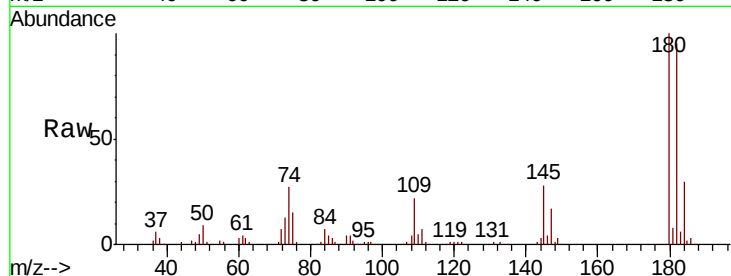




#67
 1,3,5-Trichlorobenzene
 Concen: 56.249 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

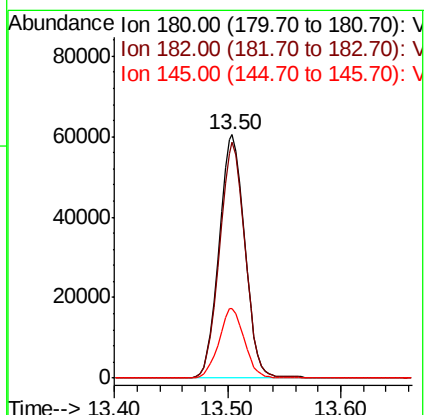
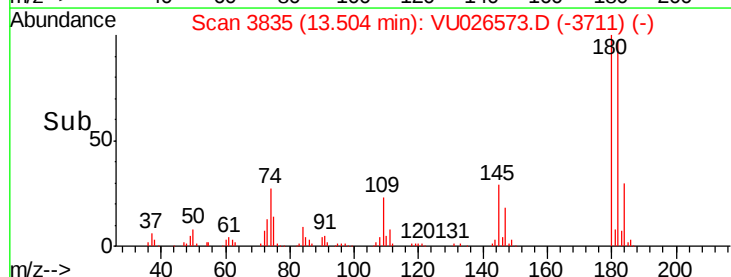
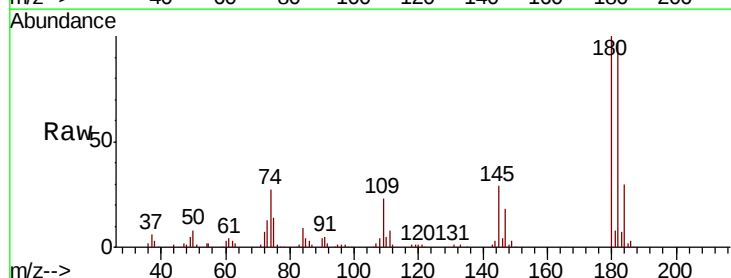
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB50

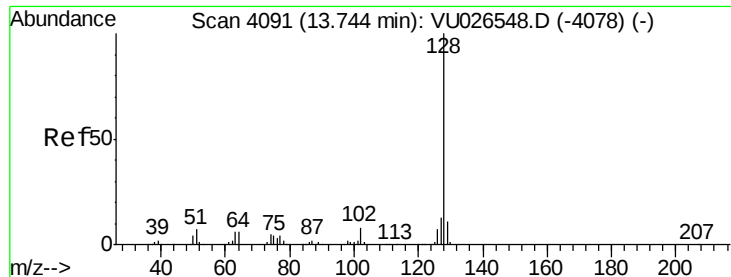
Tgt Ion:	180	Resp:	110236
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
184	29.9	25.0	37.4
145	27.5	22.3	33.5



#68
 1,2,4-trichlorobenzene
 Concen: 55.936 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026573.D
 Acq: 06 Sep 2018 11:13

Tgt Ion:	180	Resp:	95747
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	114.8
145	28.1	22.4	33.6





#69

Naphthalene

Concen: 57.409 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

BFB50

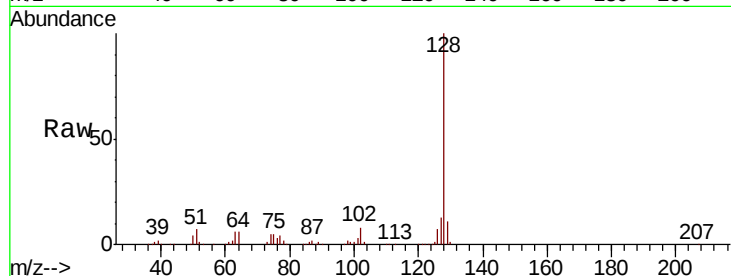
Tgt Ion:128 Resp: 306822

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

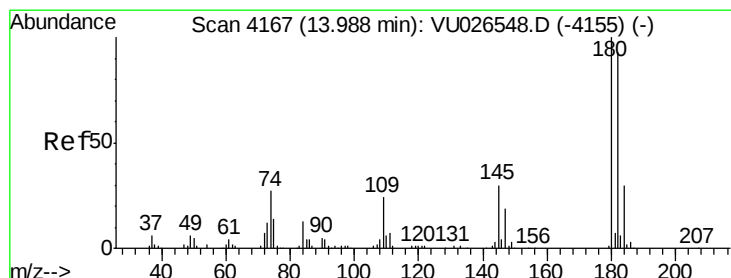
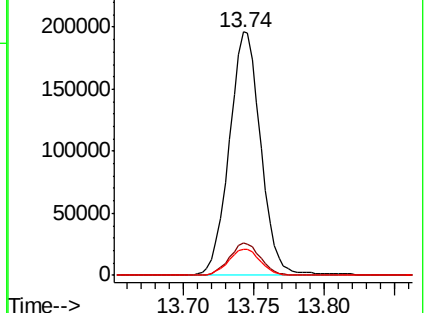
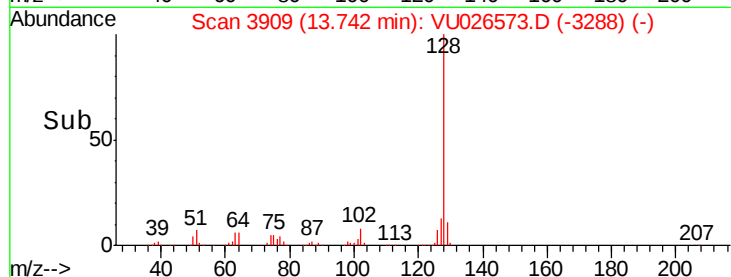
129 10.9 8.5 12.7



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: 56.314 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026573.D

Acq: 06 Sep 2018 11:13

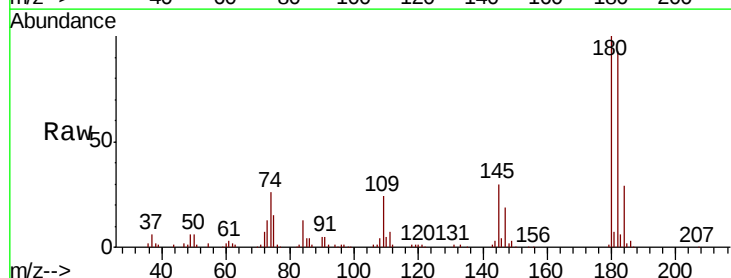
Tgt Ion:180 Resp: 105844

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 29.9 23.9 35.9



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

