

Data File : VU033492.D
Acq On : 30 Jul 2019 14:59
Operator : JC/SP
Sample : VSTD00534
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Quant Time: Jul 31 07:37:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 07:35:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	310361	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	309411	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	156023	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	11227	4.79	ug/L	0.00
7) Chloroethane-d5	1.67	69	10646	5.30	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	19504	4.70	ug/L	0.00
21) 2-Butanone-d5	4.18	46	12140	8.07	ug/L	0.03
24) Chloroform-d	4.62	84	19599	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	13081	5.20	ug/L	0.00
32) Benzene-d6	5.32	84	38329	5.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	11970	4.88	ug/L	0.00
41) Toluene-d8	7.55	98	33207	4.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	5433	4.56	ug/L	0.01
47) 2-Hexanone-d5	8.30	63	8936	7.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	18114	4.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	14732	5.27	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	12376	4.006	ug/L	96
3) Chloromethane	1.32	50	12534	4.093	ug/L	97
5) Vinyl chloride	1.40	62	12979	3.726	ug/L	92
6) Bromomethane	1.62	94	8207	3.492	ug/L	93
8) Chloroethane	1.69	64	8109	3.832	ug/L	84
9) Trichlorofluoromethane	1.88	101	17266	3.773	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	8839	4.179	ug/L	96
12) 1,1-Dichloroethene	2.27	96	8274	4.006	ug/L	94
13) Acetone	2.32	43	15908	8.591	ug/L	99
14) Carbon disulfide	2.46	76	25937	4.063	ug/L	99
15) Methyl Acetate	2.61	43	9846	3.985	ug/L	98
16) Methylene chloride	2.68	84	9487	3.979	ug/L	94
17) trans-1,2-Dichloroethene	2.97	96	8705	4.031	ug/L	97
18) Methyl tert-butyl Ether	2.98	73	24066	3.610	ug/L	98
19) 1,1-Dichloroethane	3.42	63	15688	3.786	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	9354	3.847	ug/L	98
22) 2-Butanone	4.26	43	14669	7.060	ug/L	82
23) Bromochloromethane	4.53	128	4821	3.840	ug/L	88
25) Chloroform	4.65	83	17739	4.014	ug/L	98
27) 1,2-Dichloroethane	5.39	62	13069	3.846	ug/L	99
29) Cyclohexane	4.97	56	12501	3.654	ug/L	95
30) 1,1,1-Trichloroethane	4.90	97	14396	3.925	ug/L	99
31) Carbon tetrachloride	5.11	117	12307	3.840	ug/L	100
33) Benzene	5.37	78	34362	3.750	ug/L	100
34) Trichloroethene	6.17	95	9136	3.818	ug/L	96
35) Methylcyclohexane	6.40	83	12777	3.468	ug/L	96
37) 1,2-Dichloropropane	6.41	63	9706	3.920	ug/L	# 92
38) Bromodichloromethane	6.74	83	12342	3.868	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	13557	3.532	ug/L	92
40) 4-Methyl-2-pentanone	7.45	43	22849	6.806	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	35251	3.572	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	12423	3.625	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	8934	3.811	ug/L	96
46) Tetrachloroethene	8.21	164	7364	3.921	ug/L	95
48) 2-Hexanone	8.35	43	19307	7.063	ug/L	92
49) Dibromochloromethane	8.46	129	9651	3.668	ug/L	97
50) 1,2-Dibromoethane	8.57	107	9833	3.835	ug/L	99
51) Chlorobenzene	9.10	112	24537	3.809	ug/L	96
52) Ethylbenzene	9.23	91	36347	3.446	ug/L	98
53) m,p-Xylene	9.36	106	13558	3.393	ug/L	94
54) o-xylene	9.76	106	13130	3.304	ug/L	100
55) Styrene	9.78	104	20605	3.062	ug/L	96
56) Isopropylbenzene	10.15	105	32585	3.186	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	16108	3.894	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	12196	3.761	ug/L	99
61) Bromoform	9.94	173	7303	3.756	ug/L #	98
62) 1,3-Dichlorobenzene	11.40	146	18596	3.805	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	20702	4.066	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	18775	3.760	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.65	75	3284	3.453	ug/L	85
67) 1,3,5-Trichlorobenzene	12.87	180	14425	4.026	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	12001	3.832	ug/L	94
69) Naphthalene	13.73	128	29735	3.028	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	12039	3.539	ug/L	95

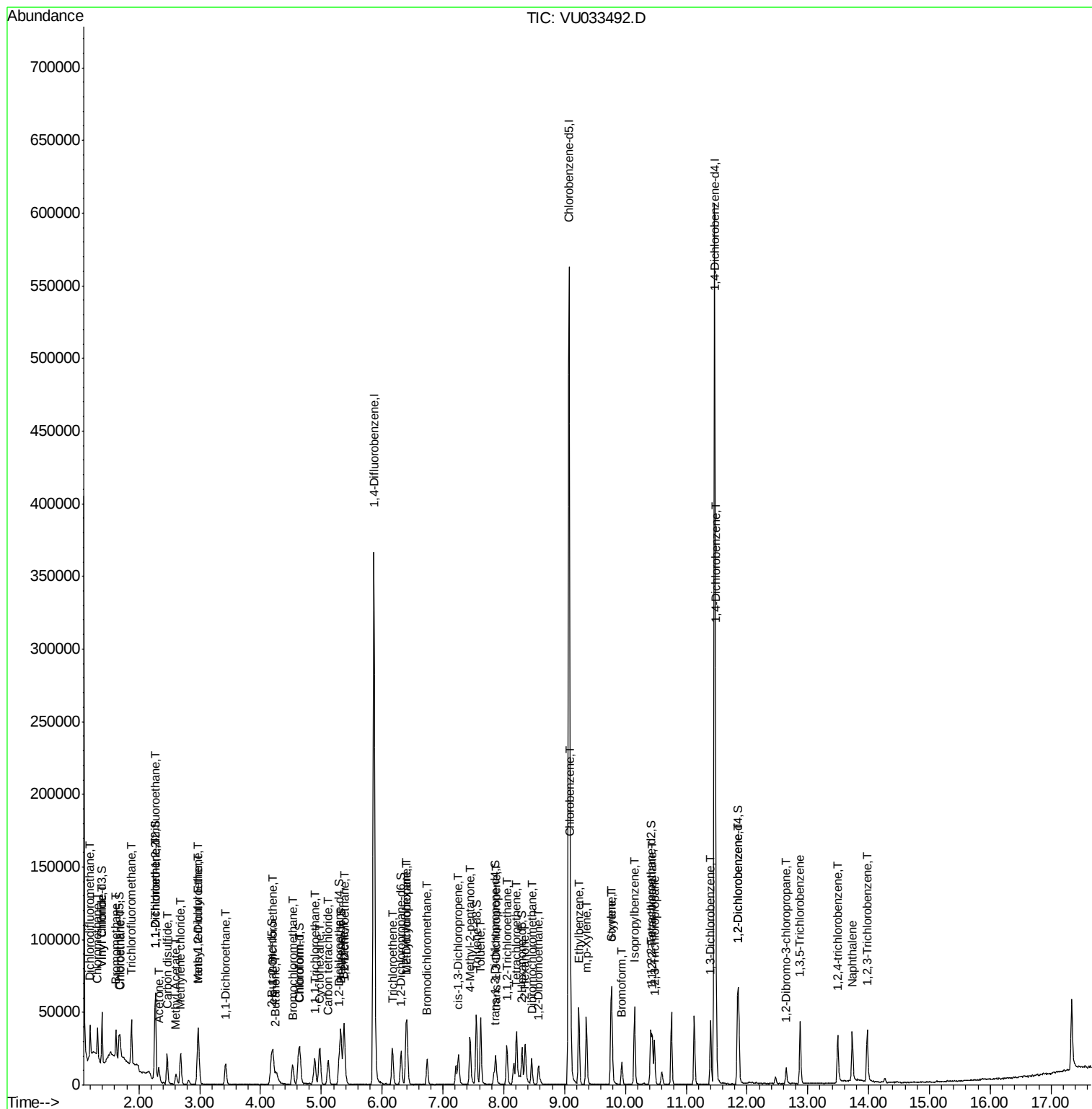
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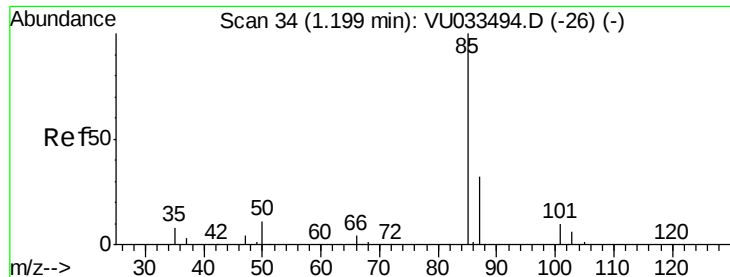
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#2

Dichlorodifluoromethane

Concen: 4.006 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

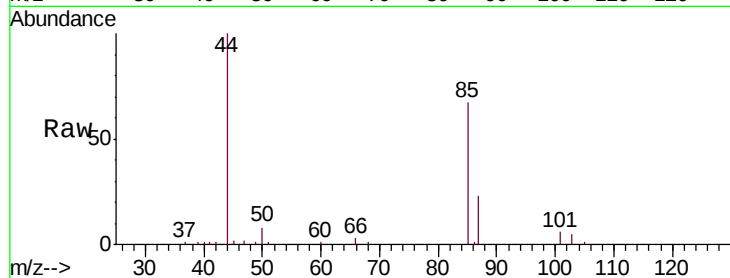
VSTD00534

Tgt Ion: 85 Resp: 12376

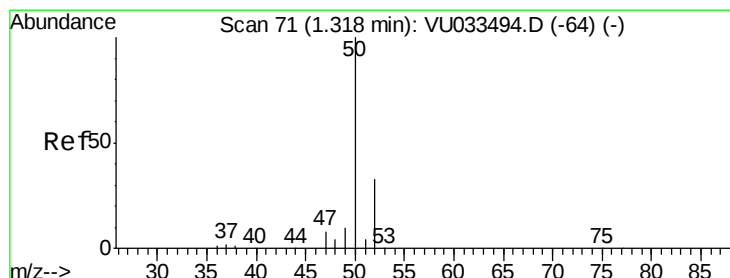
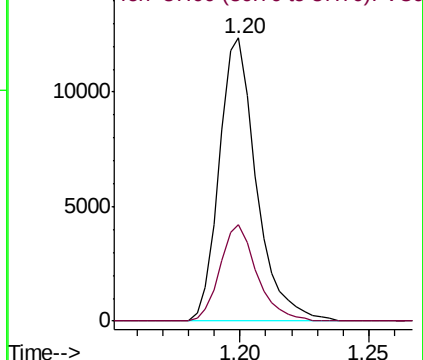
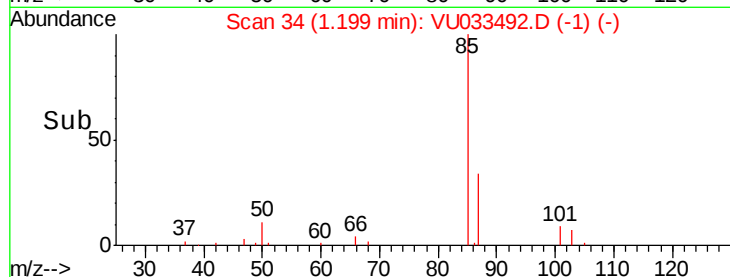
Ion Ratio Lower Upper

85 100

87 33.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033492.D (-1) (-)



#3

Chloromethane

Concen: 4.093 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033492.D

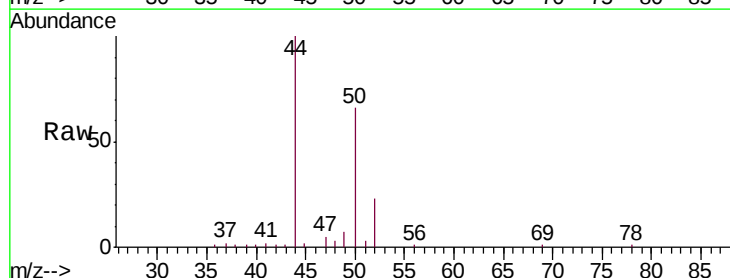
Acq: 30 Jul 2019 14:59

Tgt Ion: 50 Resp: 12534

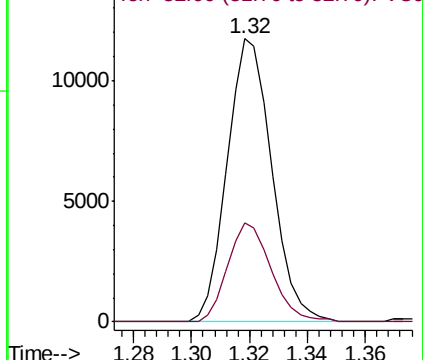
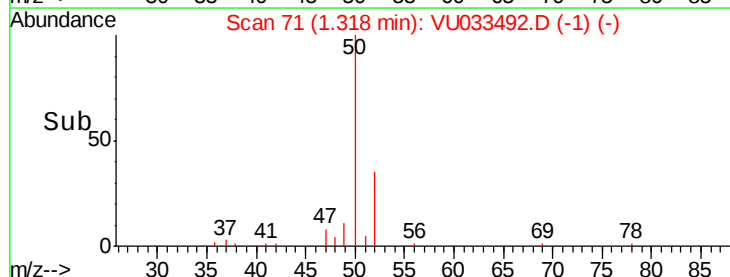
Ion Ratio Lower Upper

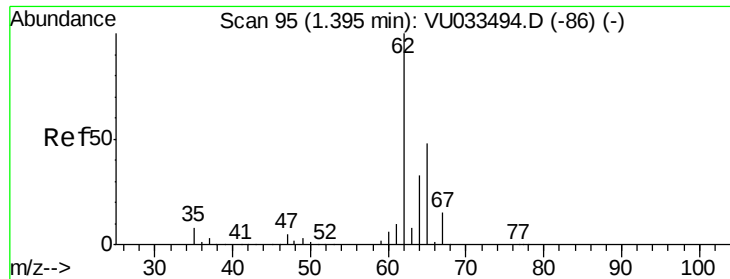
50 100

52 34.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033492.D (-1) (-)





#5

Vinyl chloride

Concen: 3.726 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

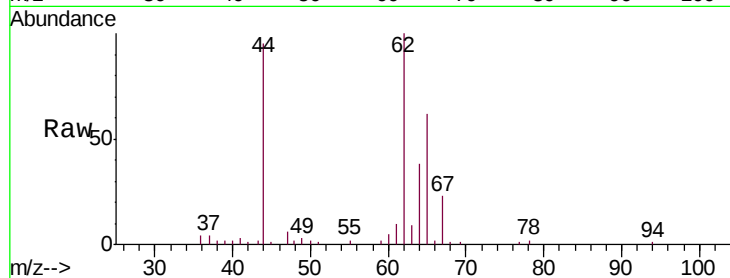
VSTD00534

Tgt Ion: 62 Resp: 12979

Ion Ratio Lower Upper

62 100

64 38.0 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

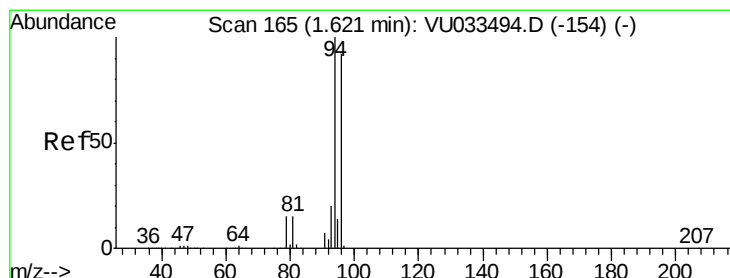
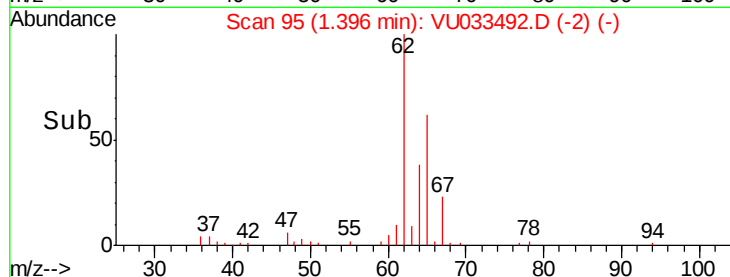
10000

5000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 3.492 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU033492.D

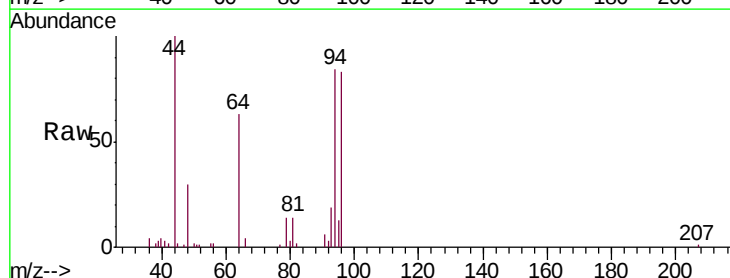
Acq: 30 Jul 2019 14:59

Tgt Ion: 94 Resp: 8207

Ion Ratio Lower Upper

94 100

96 99.0 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

8000

6000

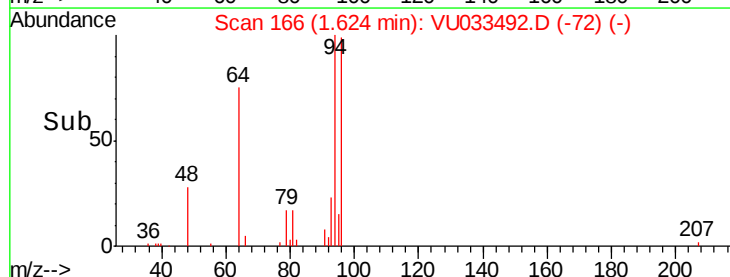
4000

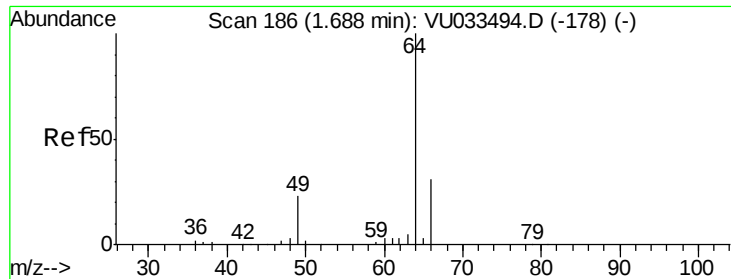
2000

0

Time-->

1.60 1.65





#8

Chloroethane

Concen: 3.832 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

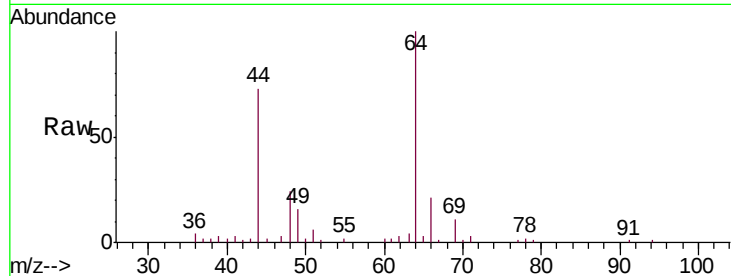
VSTD00534

Tgt Ion: 64 Resp: 8109

Ion Ratio Lower Upper

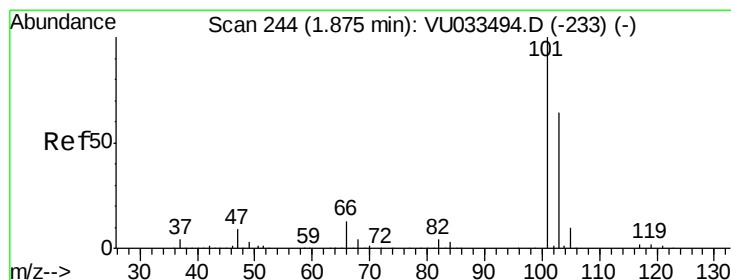
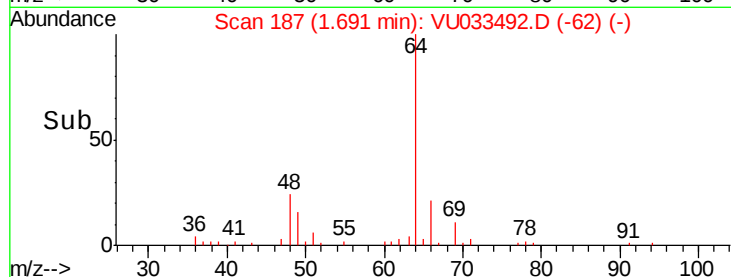
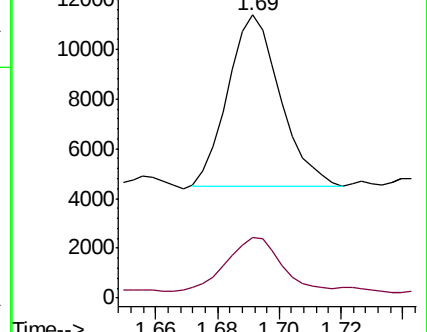
64 100

66 21.3 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VU033492.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU033492.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 3.773 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033492.D

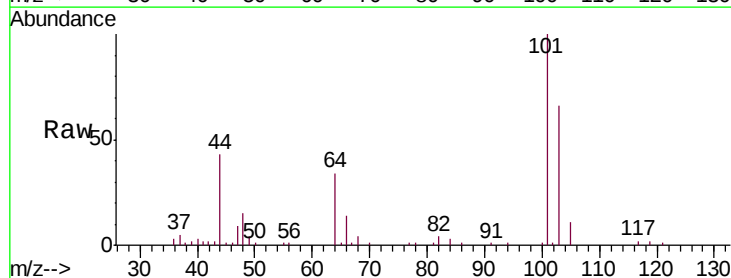
Acq: 30 Jul 2019 14:59

Tgt Ion: 101 Resp: 17266

Ion Ratio Lower Upper

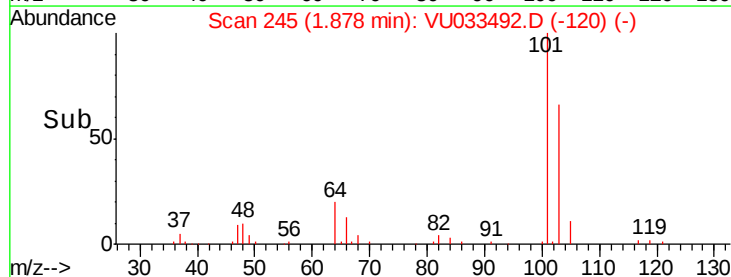
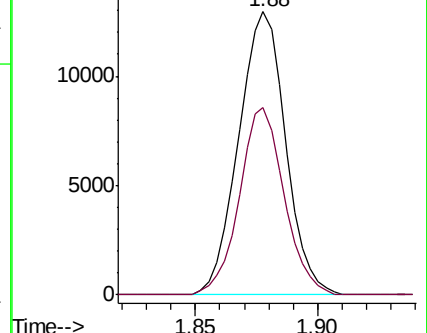
101 100

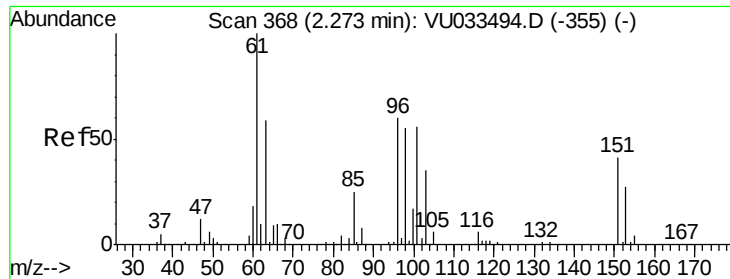
103 62.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU033492.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033492.D (-233) (-)





#10

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

Concen: 4.179 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

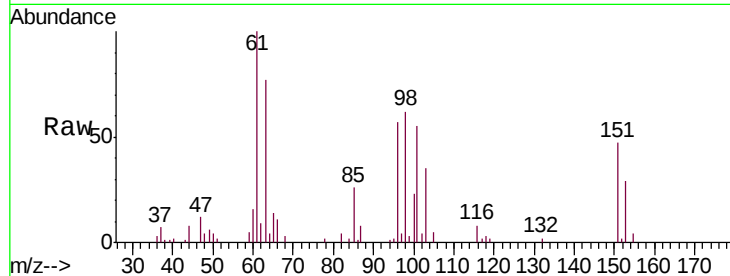
Tgt Ion:101 Resp: 8839

Ion Ratio Lower Upper

101 100

85 43.3 35.8 53.8

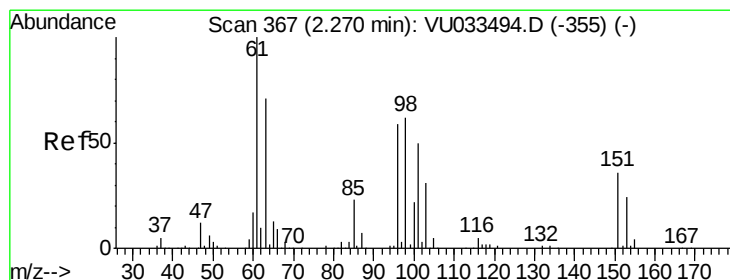
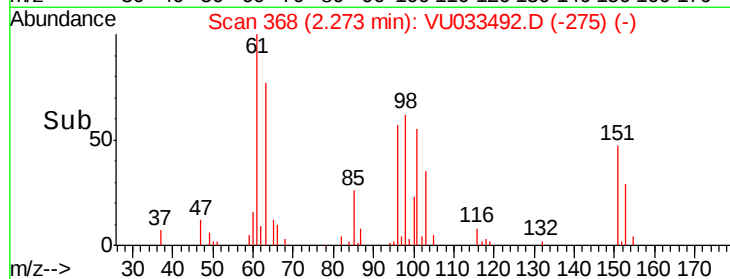
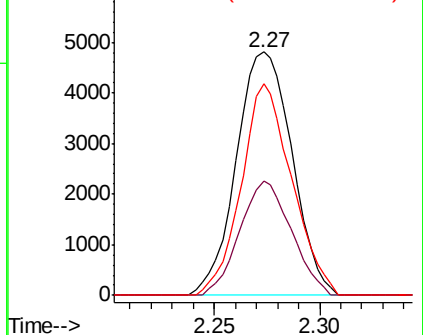
151 79.0 60.1 90.1



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: 4.006 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

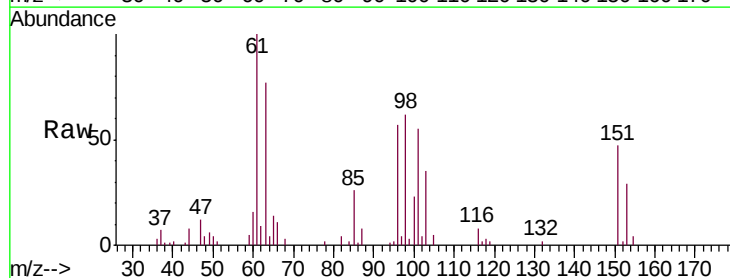
Tgt Ion: 96 Resp: 8274

Ion Ratio Lower Upper

96 100

61 175.2 119.3 221.5

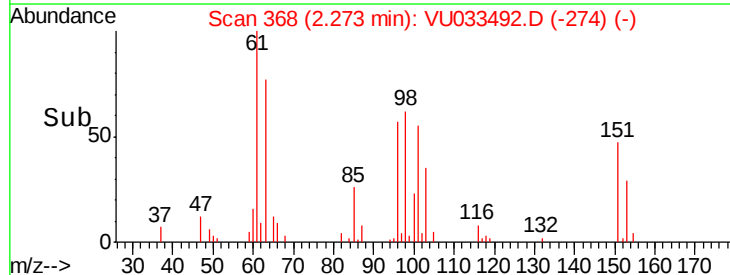
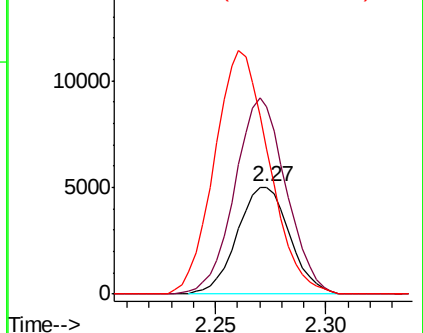
63 135.6 86.6 160.8

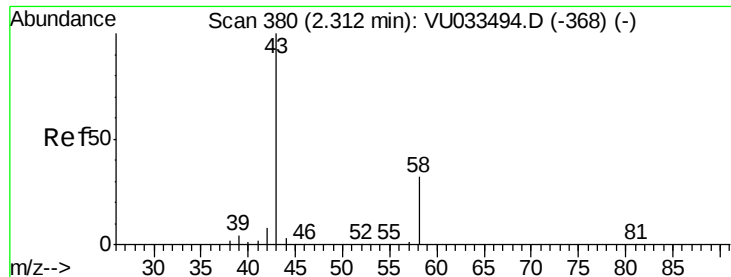


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.591 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

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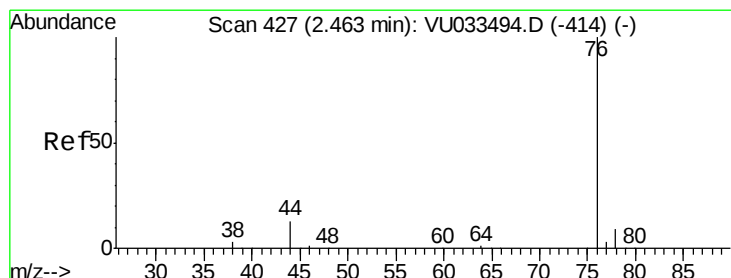
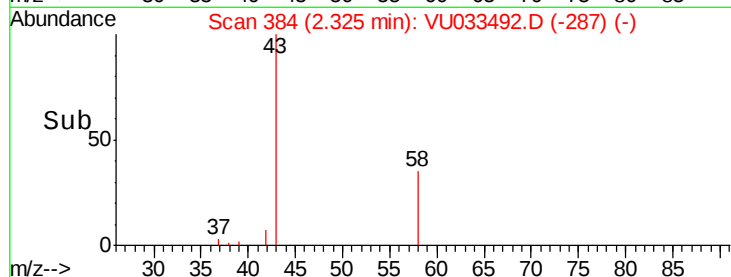
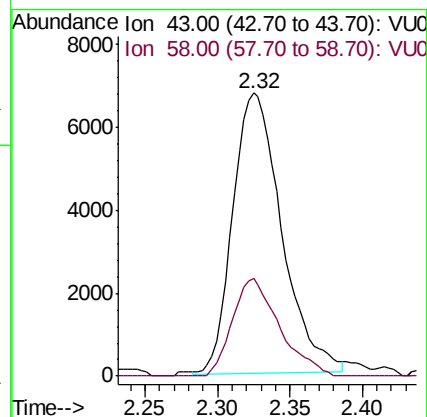
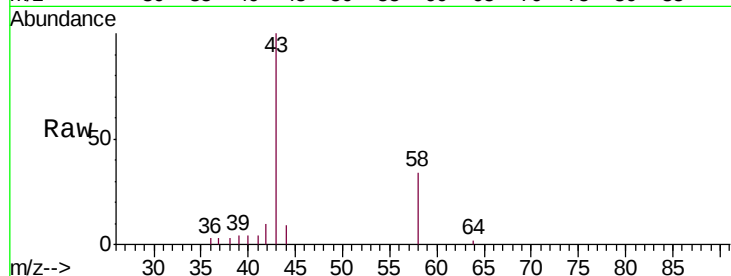
VSTD00534

Tgt Ion: 43 Resp: 15908

Ion Ratio Lower Upper

43 100

58 33.4 0.0 66.2



#14

Carbon disulfide

Concen: 4.063 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033492.D

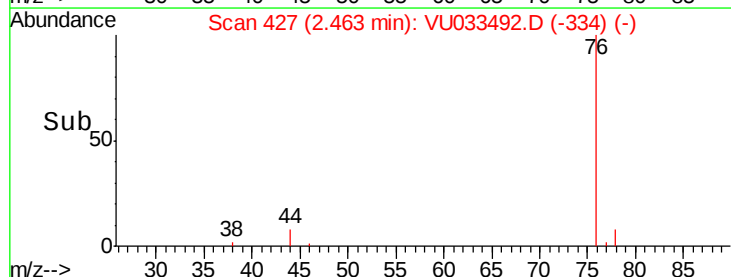
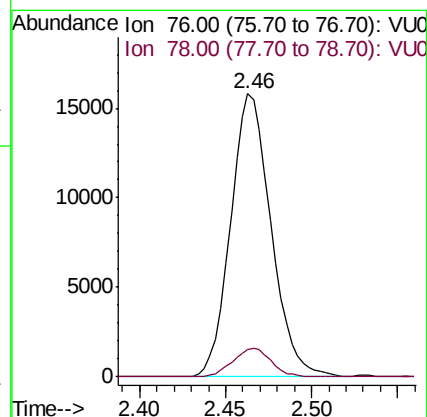
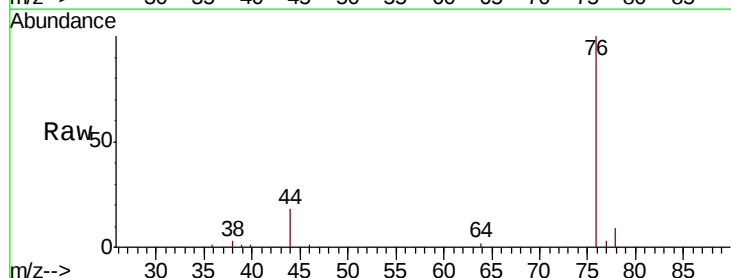
Acq: 30 Jul 2019 14:59

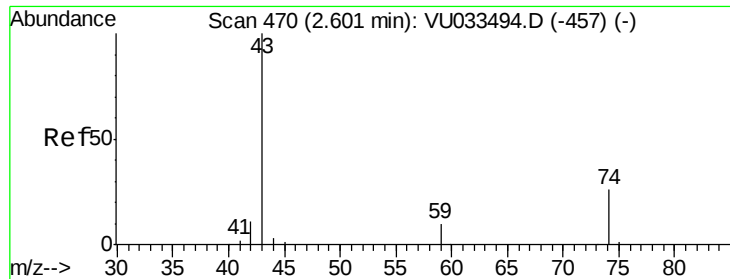
Tgt Ion: 76 Resp: 25937

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

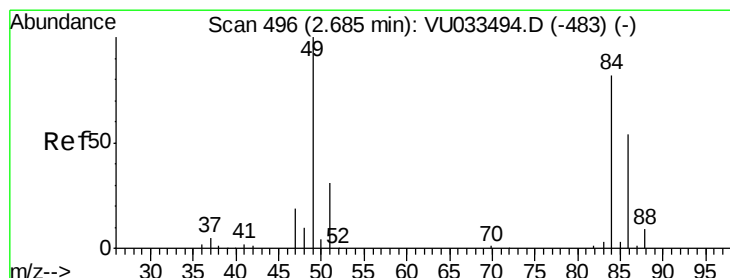
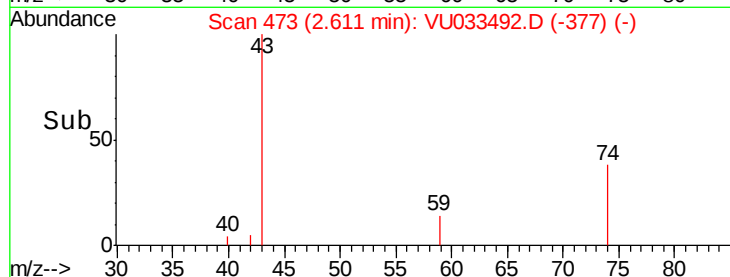
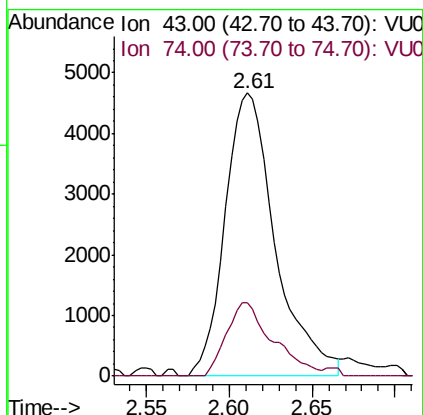
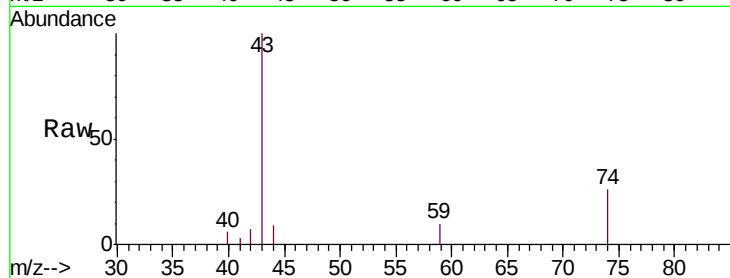




#15
Methyl Acetate
Concen: 3.985 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

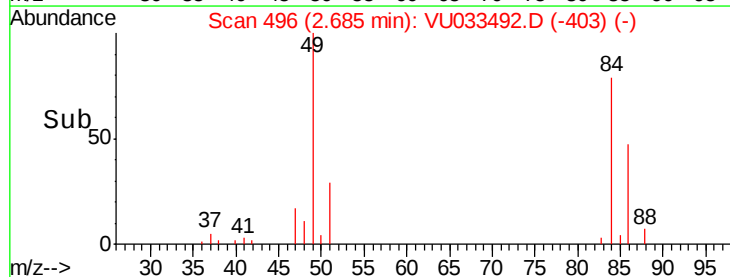
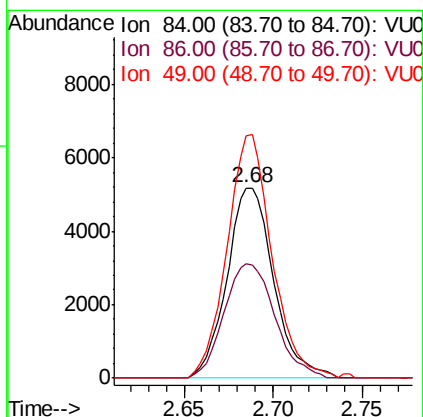
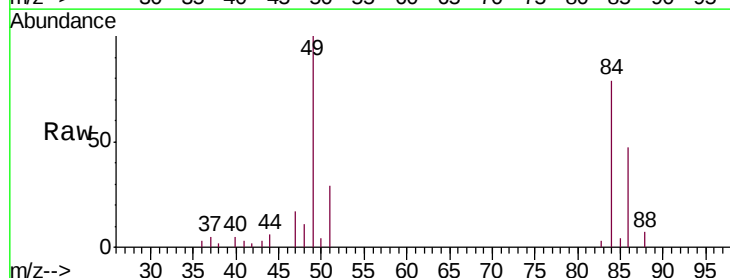
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

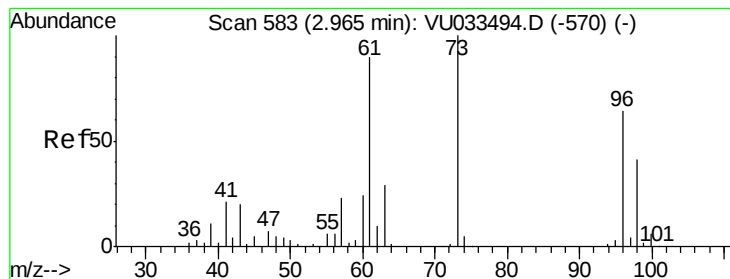
Tgt Ion: 43 Resp: 9846
Ion Ratio Lower Upper
43 100
74 24.2 20.1 30.1



#16
Methylene chloride
Concen: 3.979 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

Tgt Ion: 84 Resp: 9487
Ion Ratio Lower Upper
84 100
86 60.2 45.7 84.9
49 127.4 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 4.031 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

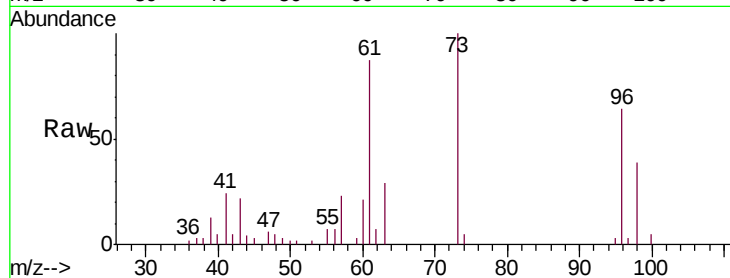
Tgt Ion: 96 Resp: 8705

Ion Ratio Lower Upper

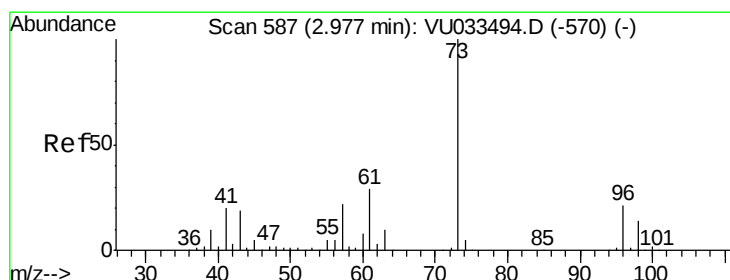
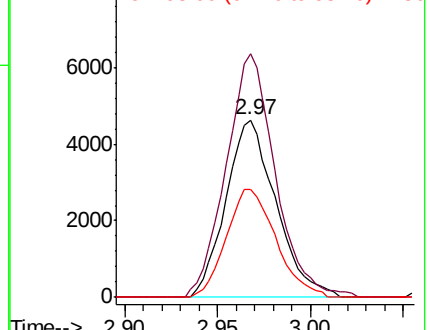
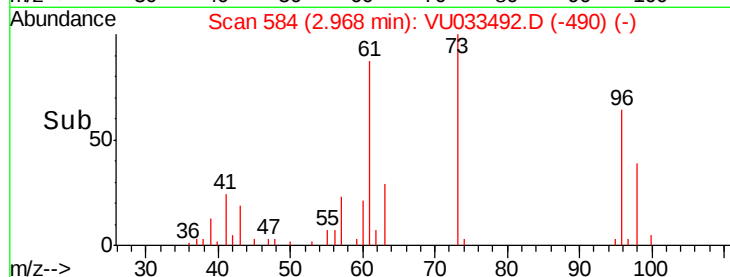
96 100

61 137.3 98.3 182.5

98 60.6 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033492.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 3.610 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

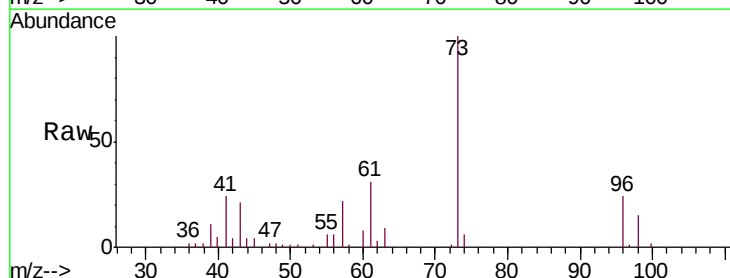
Tgt Ion: 73 Resp: 24066

Ion Ratio Lower Upper

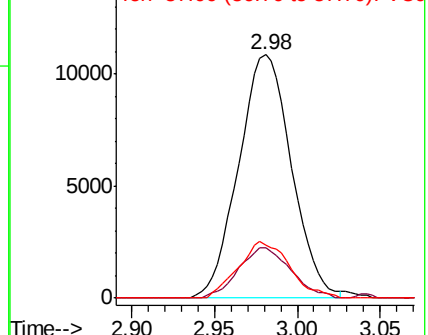
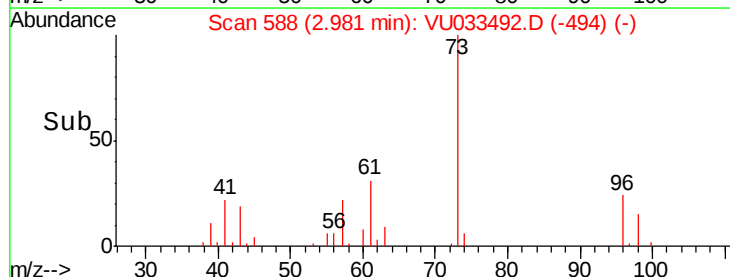
73 100

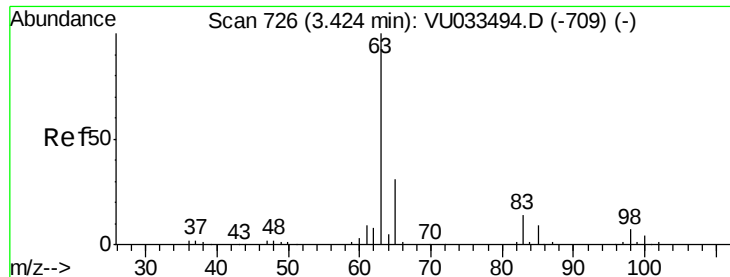
43 20.5 15.4 23.2

57 22.7 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VU033492.D (-494) (-)

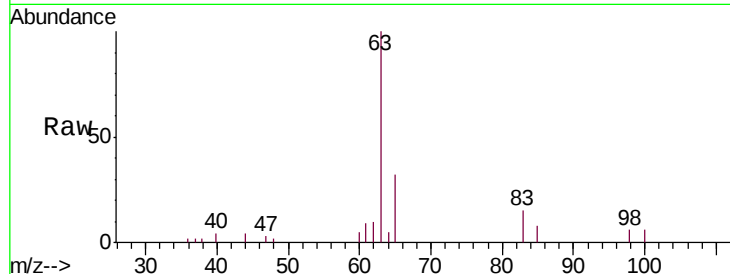




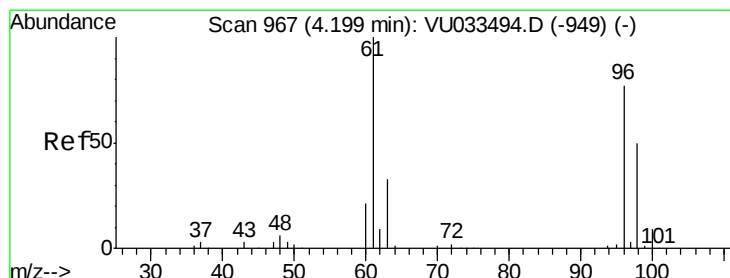
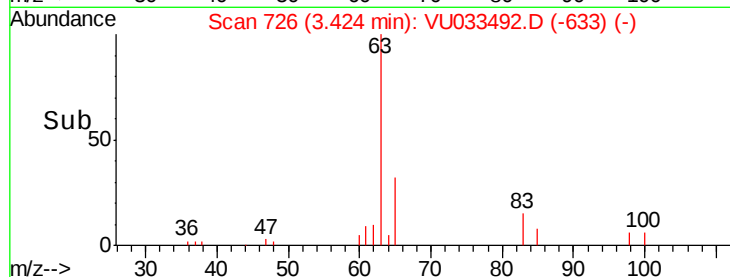
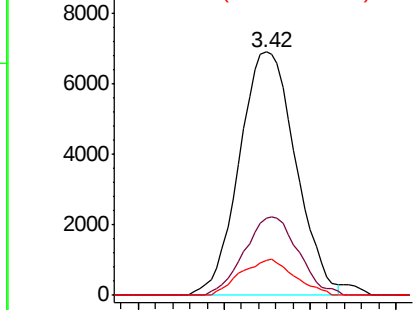
#19
 1,1-Dichloroethane
 Concen: 3.786 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion: 63 Resp: 15688
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.0 40.8
 83 14.6 9.5 17.7

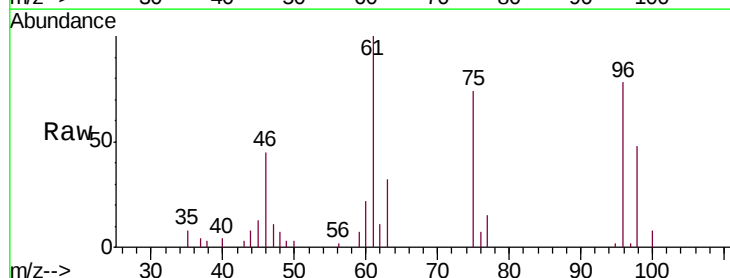


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

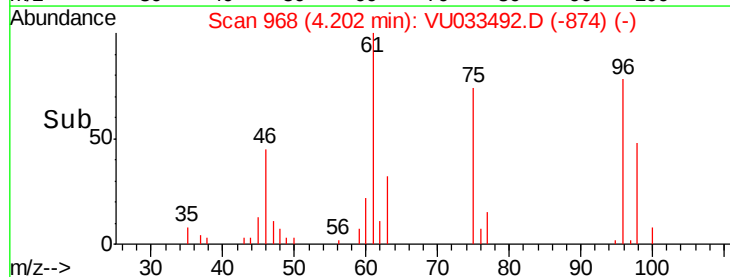
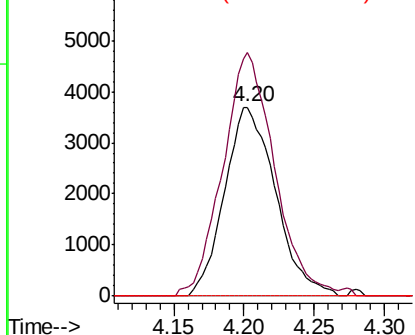


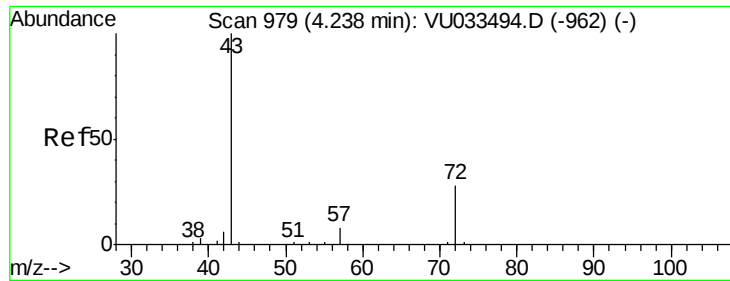
#20
 cis-1,2-Dichloroethene
 Concen: 3.847 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

Tgt Ion: 96 Resp: 9354
 Ion Ratio Lower Upper
 96 100
 61 128.7 91.3 169.6
 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: 7.060 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.02 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

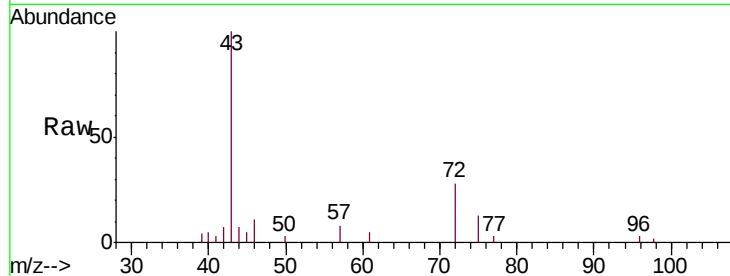
VSTD00534

Tgt Ion: 43 Resp: 14669

Ion Ratio Lower Upper

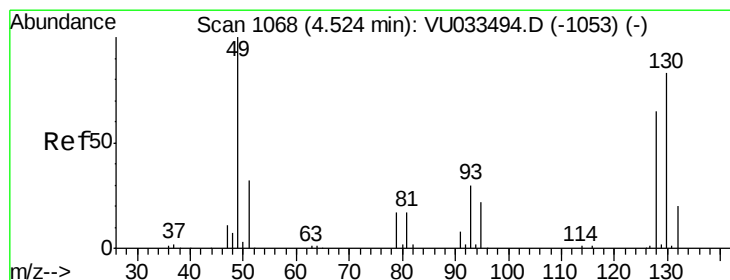
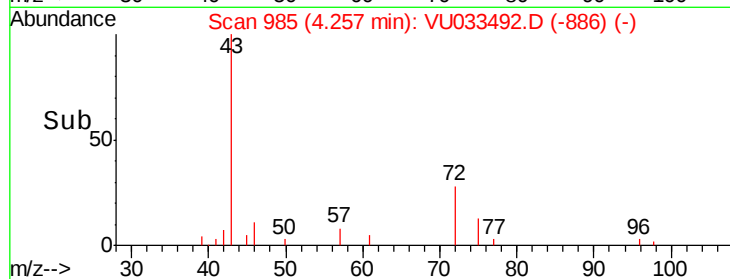
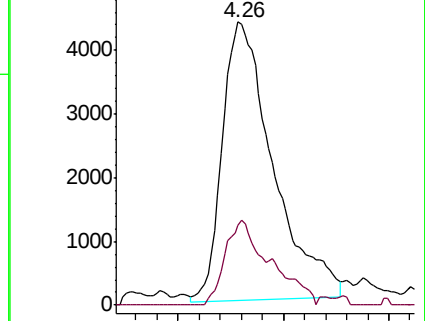
43 100

72 19.0 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VU033492.D (-985) (-)

Ion 72.00 (71.70 to 72.70): VU033492.D (-985) (-)



#23

Bromochloromethane

Concen: 3.840 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Tgt Ion: 128 Resp: 4821

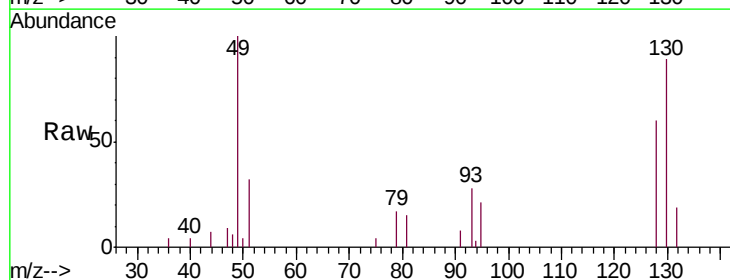
Ion Ratio Lower Upper

128 100

49 166.5 108.4 201.2

130 148.0 89.7 166.5

51 53.1 38.9 58.3

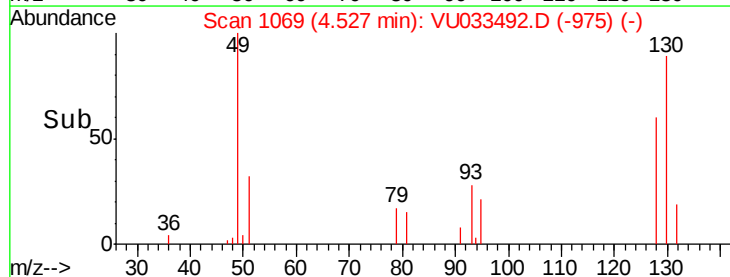
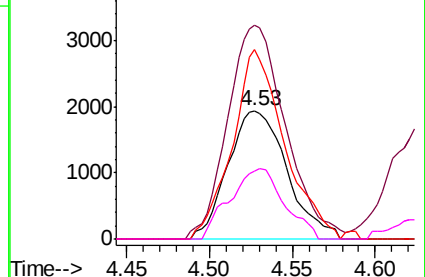


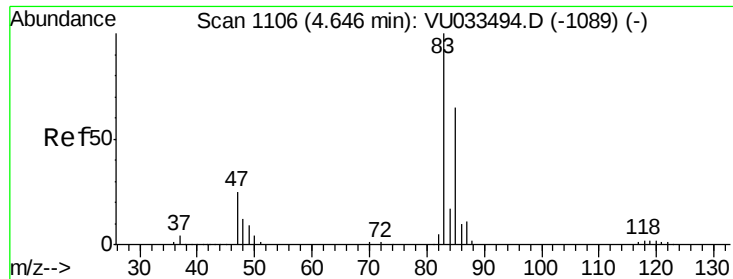
Abundance Ion 128.00 (127.70 to 128.70): VU033492.D (-1069) (-)

Ion 49.00 (48.70 to 49.70): VU033492.D (-1069) (-)

Ion 130.00 (129.70 to 130.70): VU033492.D (-1069) (-)

Ion 51.00 (50.70 to 51.70): VU033492.D (-1069) (-)

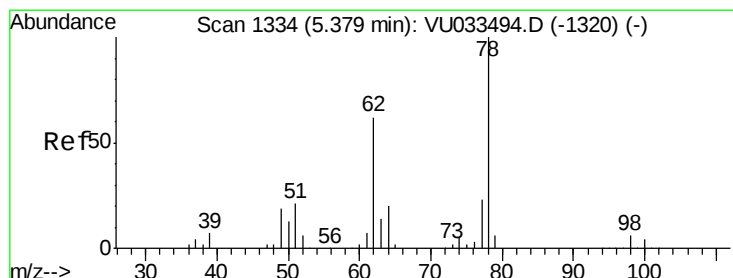
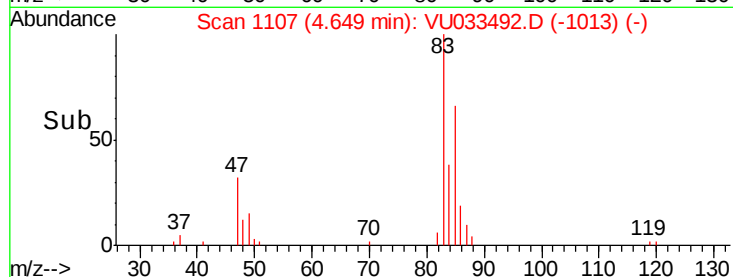
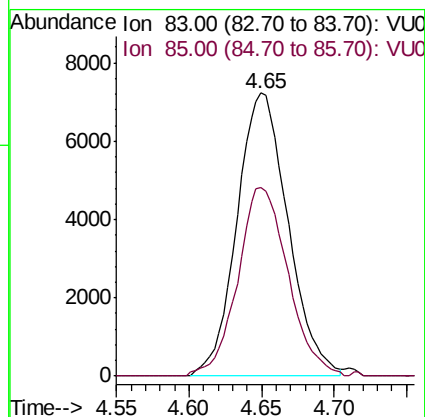
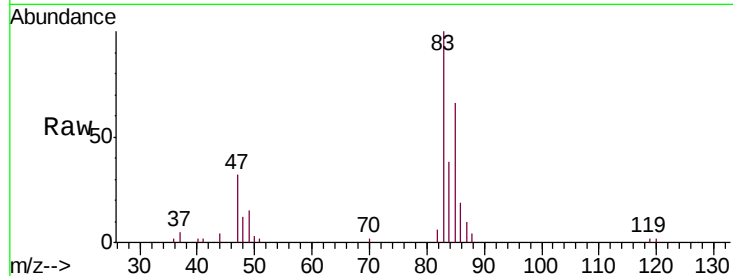




#25
Chloroform
Concen: 4.014 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

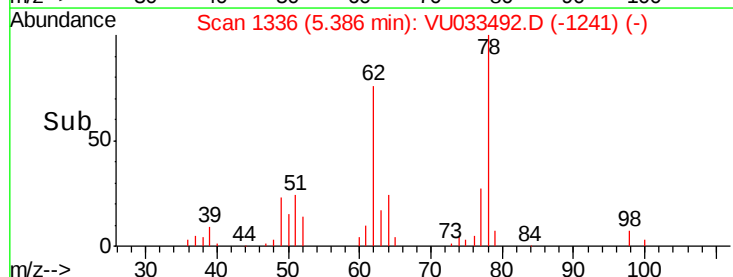
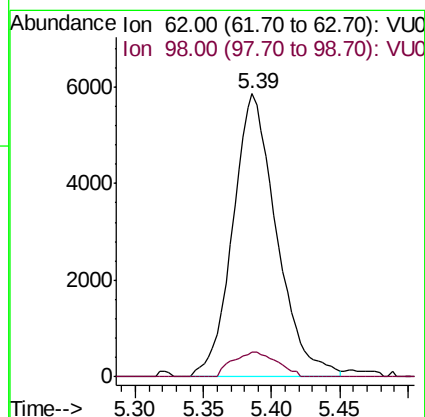
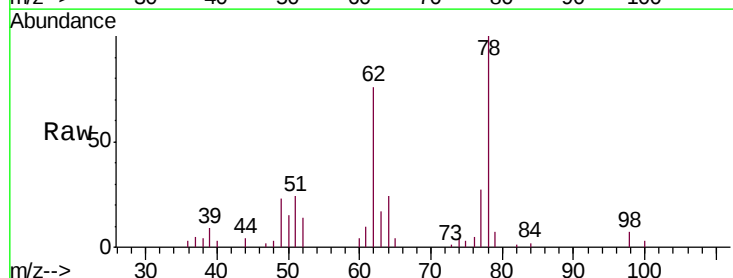
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

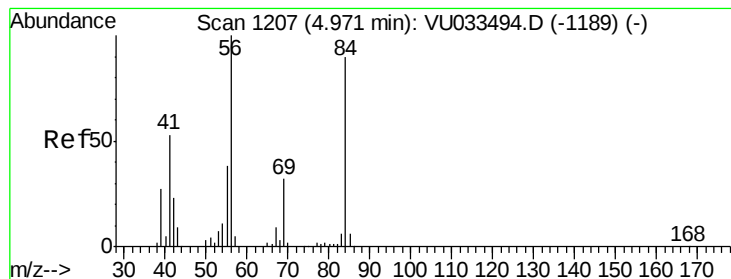
Tgt Ion: 83 Resp: 17739
Ion Ratio Lower Upper
83 100
85 66.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 3.846 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

Tgt Ion: 62 Resp: 13069
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8





#29

Cyclohexane

Concen: 3.654 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

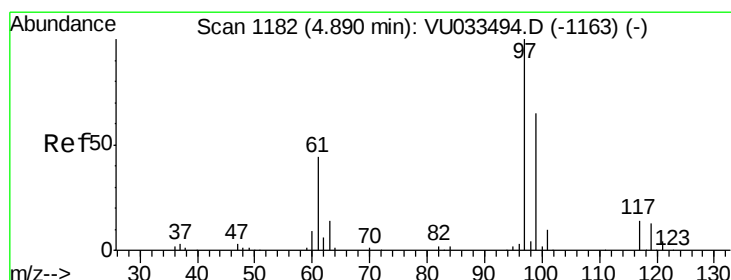
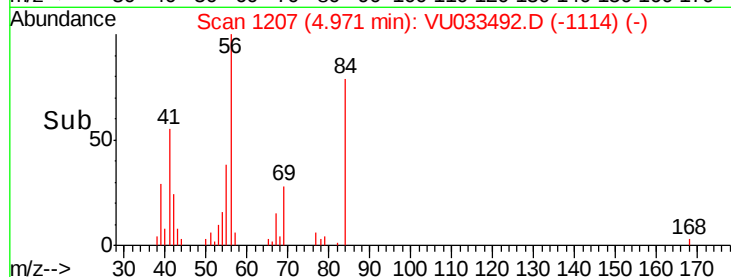
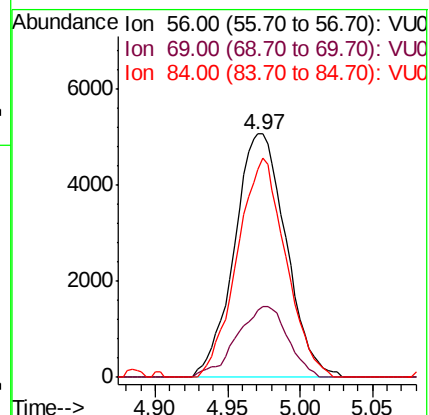
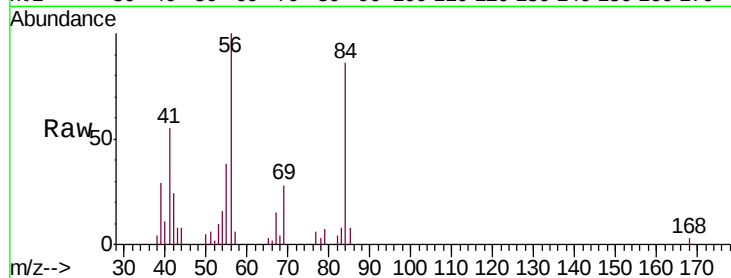
Tgt Ion: 56 Resp: 12501

Ion Ratio Lower Upper

56 100

69 27.6 25.0 37.6

84 84.8 71.6 107.4



#30

1,1,1-Trichloroethane

Concen: 3.925 ug/L

RT: 4.90 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

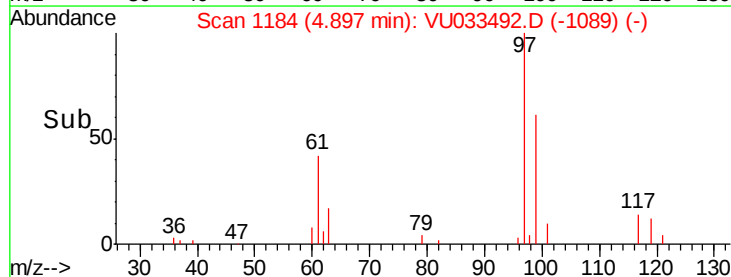
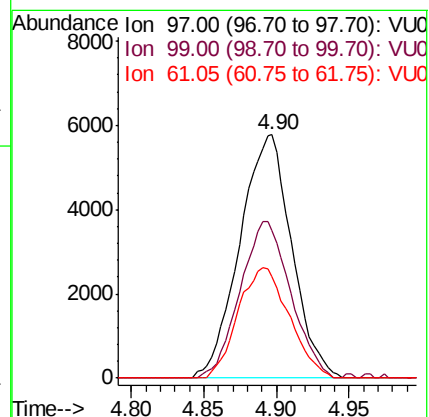
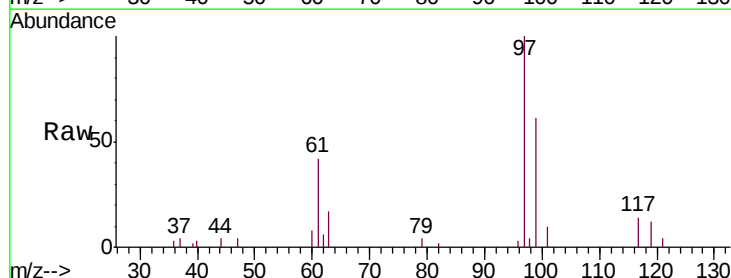
Tgt Ion: 97 Resp: 14396

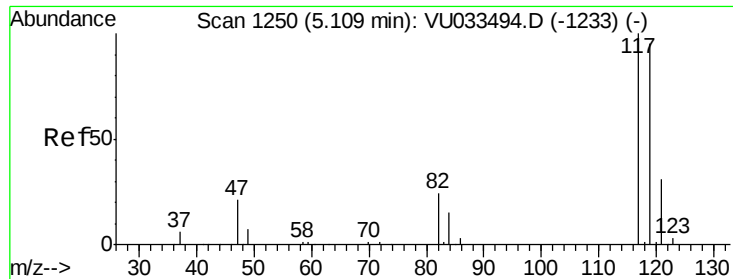
Ion Ratio Lower Upper

97 100

99 62.6 51.1 76.7

61 44.7 35.5 53.3





#31

Carbon tetrachloride

Concen: 3.840 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

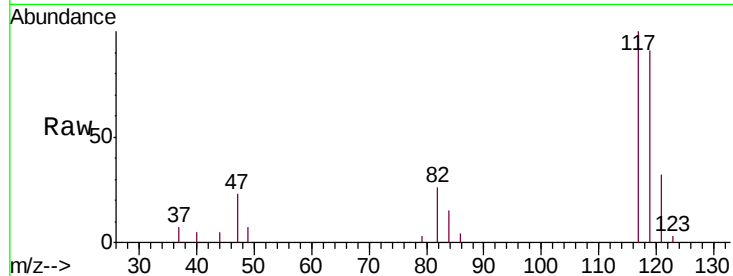
VSTD00534

Tgt Ion:117 Resp: 12307

Ion Ratio Lower Upper

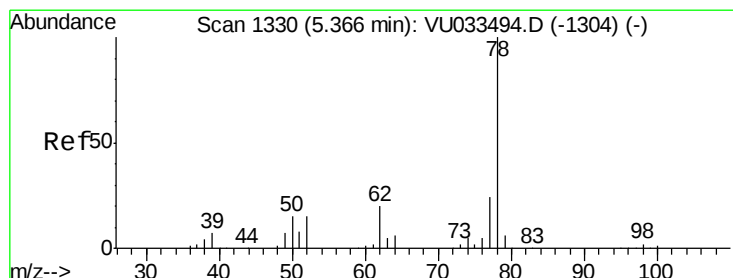
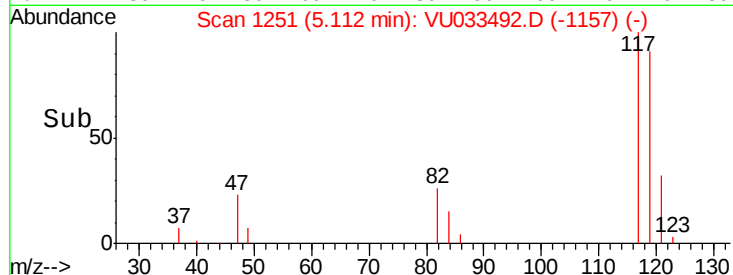
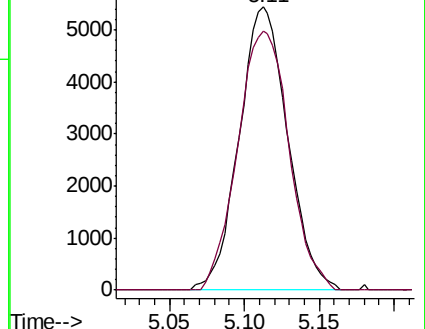
117 100

119 96.6 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 3.750 ug/L

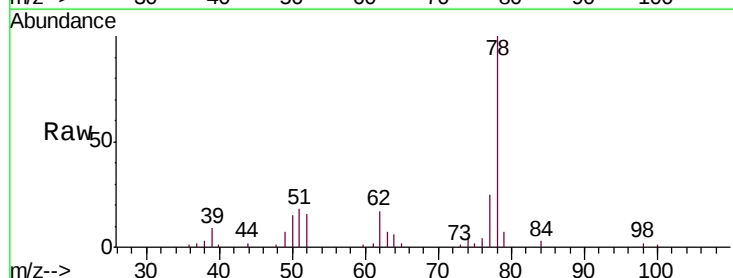
RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

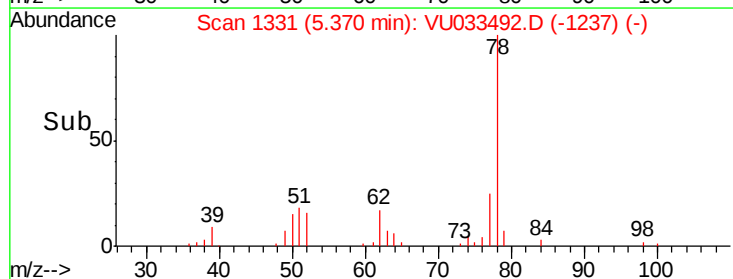
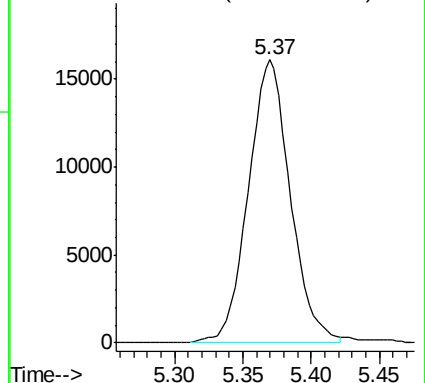
Lab File: VU033492.D

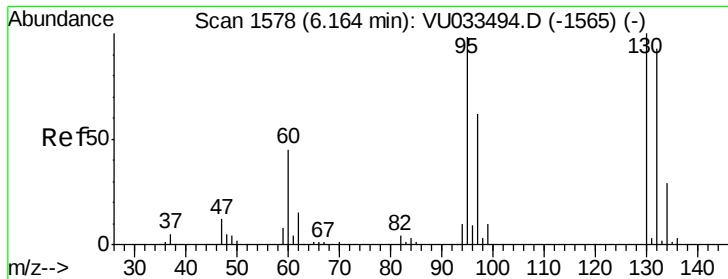
Acq: 30 Jul 2019 14:59

Tgt Ion: 78 Resp: 34362



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 3.818 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 95 Resp: 9136

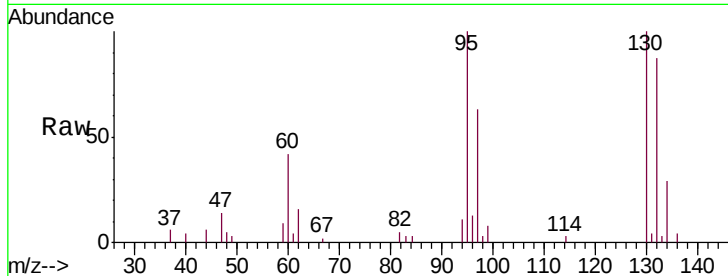
Ion Ratio Lower Upper

95 100

97 63.1 44.7 83.1

132 86.9 66.8 124.0

130 100.3 71.6 133.0

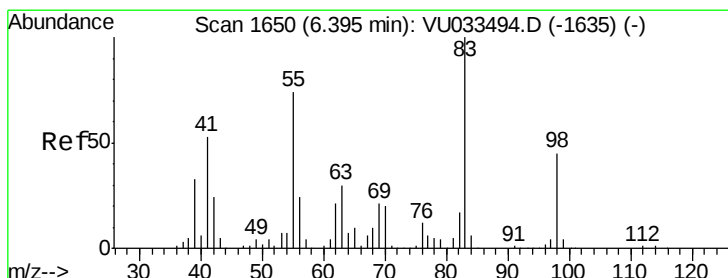
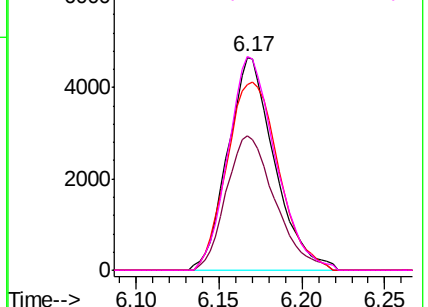
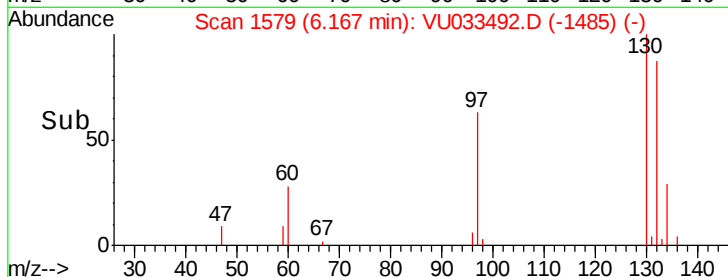


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 3.468 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

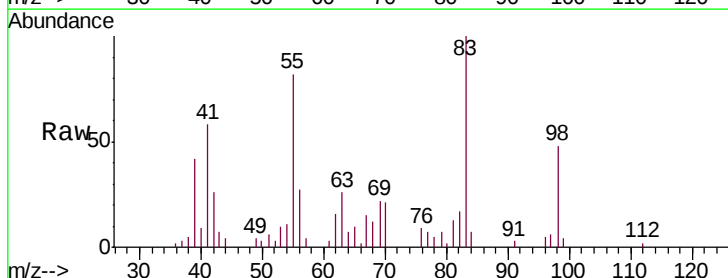
Tgt Ion: 83 Resp: 12777

Ion Ratio Lower Upper

83 100

55 79.8 60.2 90.4

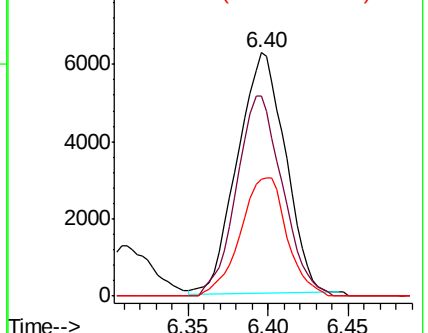
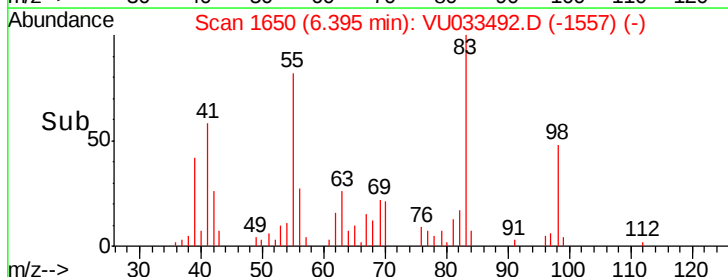
98 47.7 36.5 54.7

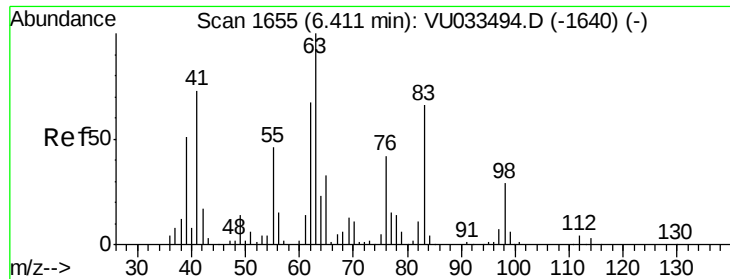


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

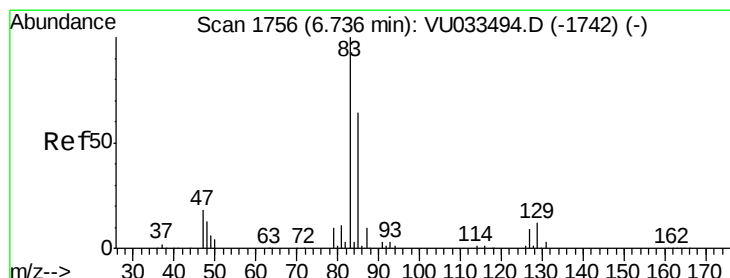
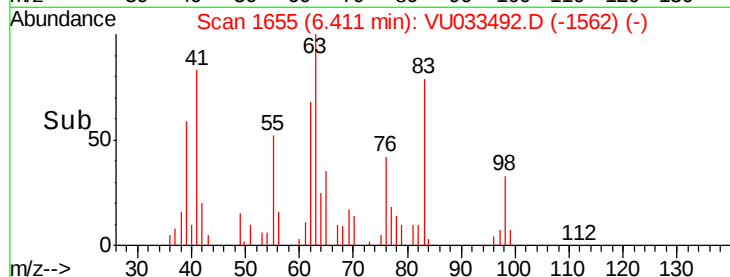
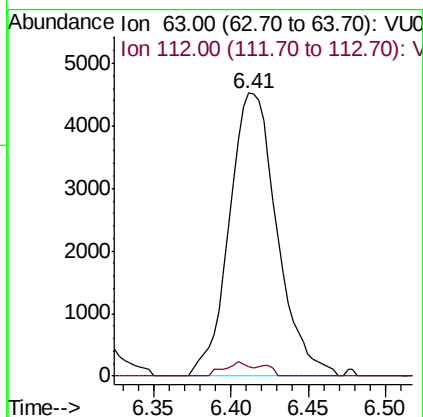
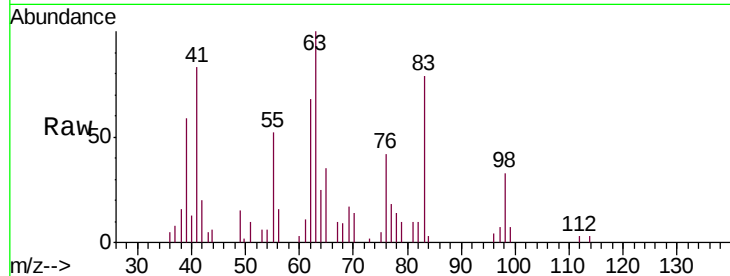




#37
 1,2-Dichloropropane
 Concen: 3.920 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

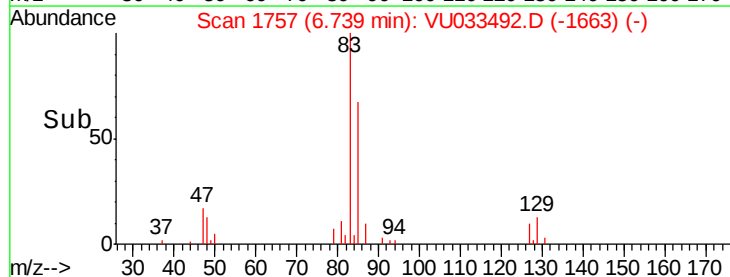
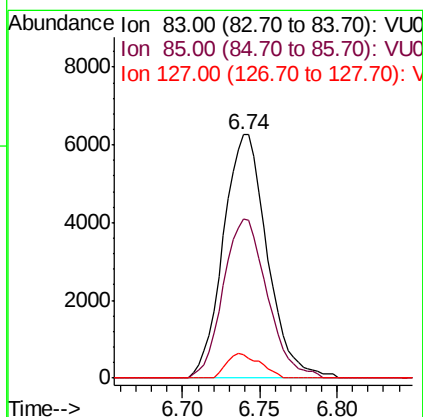
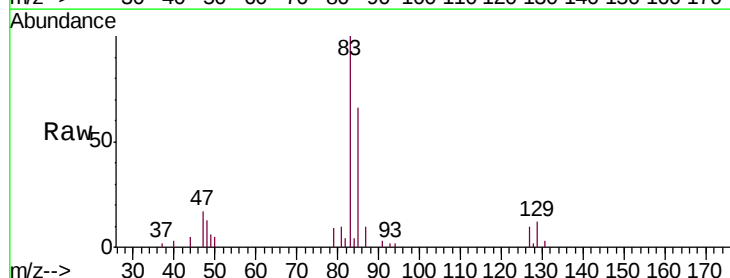
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

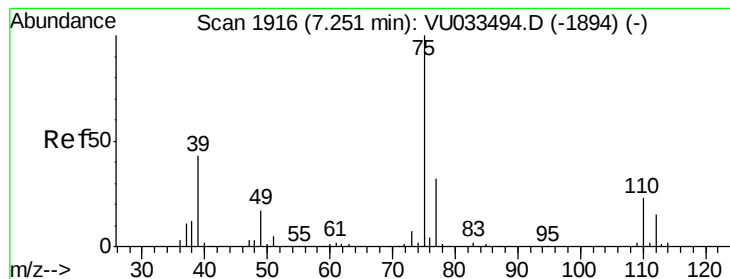
Tgt Ion: 63 Resp: 9706
 Ion Ratio Lower Upper
 63 100
 112 1.0 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 3.868 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

Tgt Ion: 83 Resp: 12342
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.1 83.9
 127 9.5 7.2 10.8



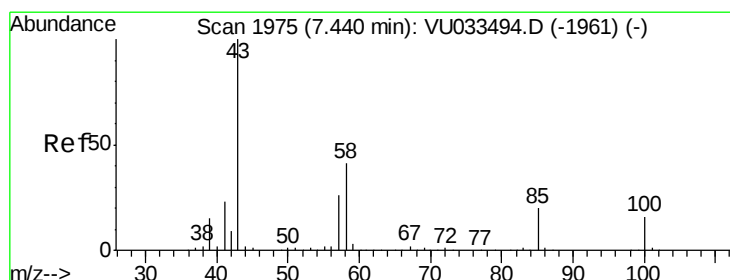
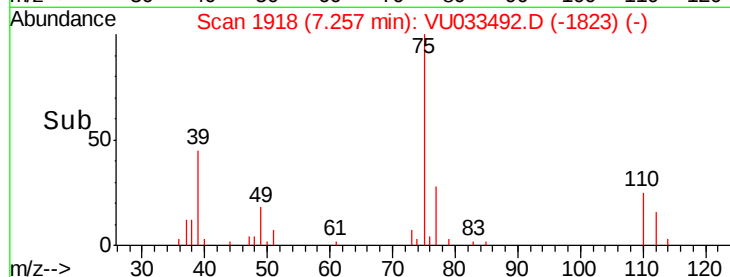
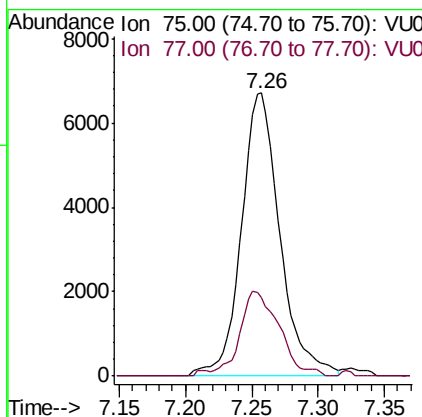
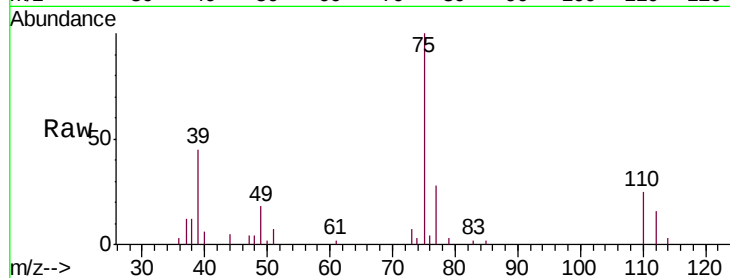


#39

cis-1,3-Dichloropropene
Concen: 3.532 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

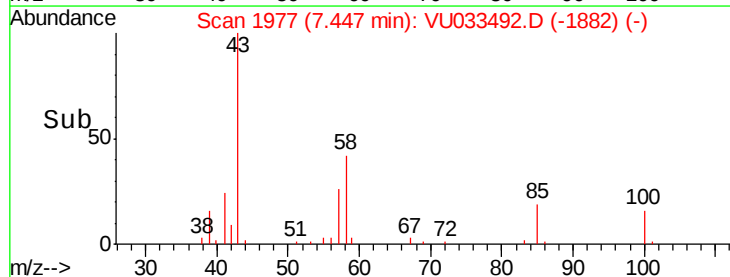
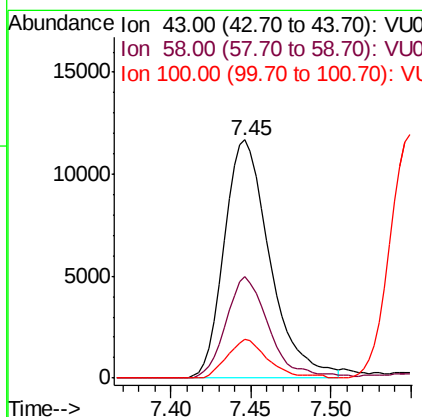
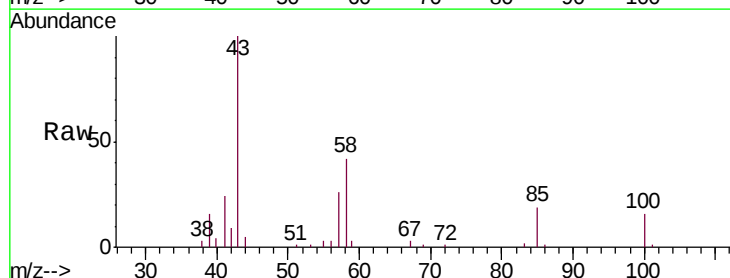
Tgt Ion: 75 Resp: 13557
Ion Ratio Lower Upper
75 100
77 27.6 22.3 41.5

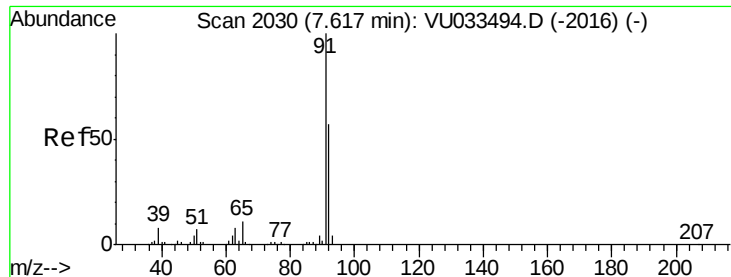


#40

4-Methyl-2-pentanone
Concen: 6.806 ug/L
RT: 7.45 min Scan# 1977
Delta R.T. 0.01 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

Tgt Ion: 43 Resp: 22849
Ion Ratio Lower Upper
43 100
58 39.3 32.8 49.2
100 14.1 12.9 19.3





#42

Toluene

Concen: 3.572 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

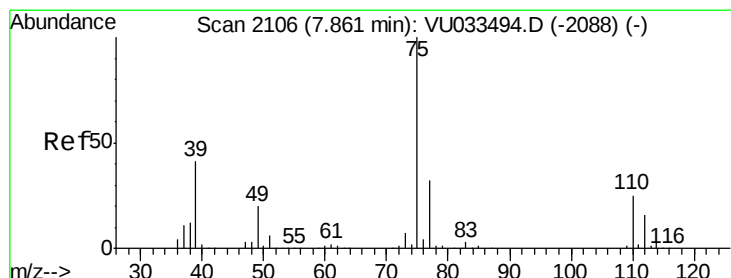
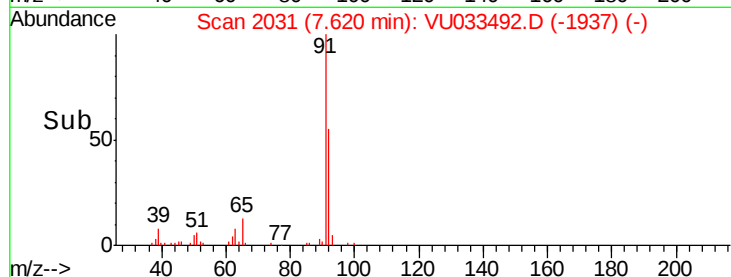
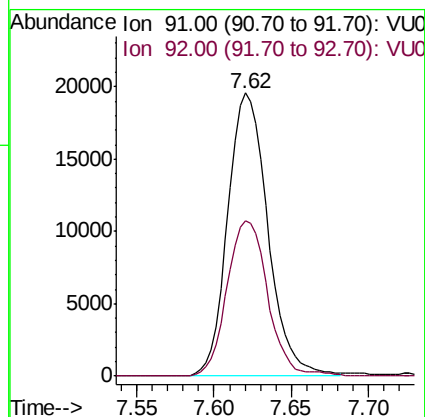
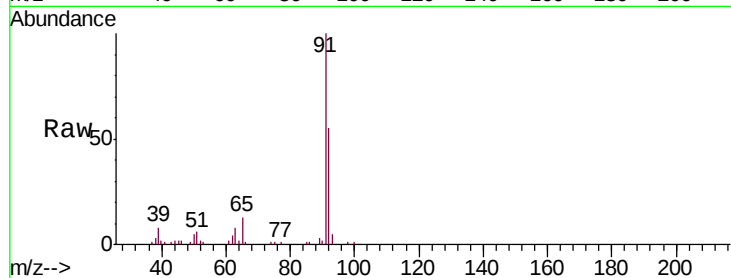
VSTD00534

Tgt Ion: 91 Resp: 35251

Ion Ratio Lower Upper

91 100

92 54.8 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 3.625 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033492.D

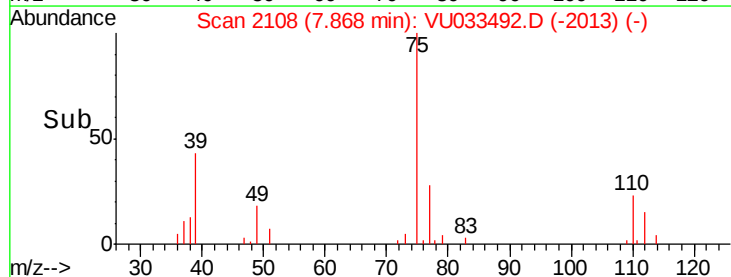
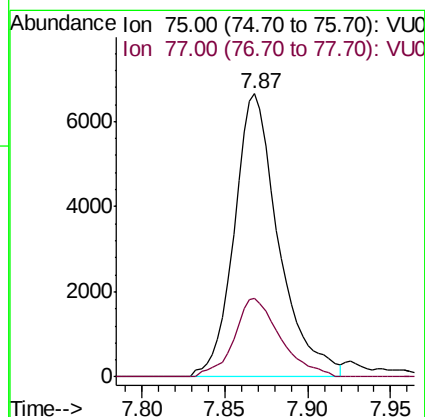
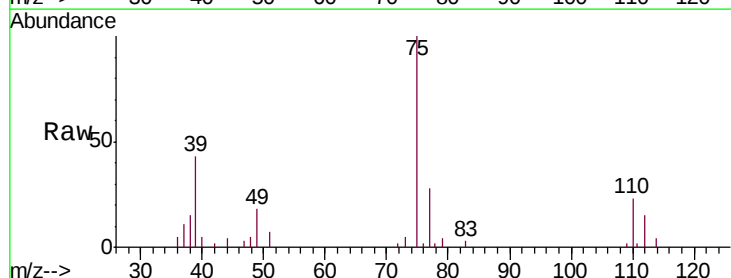
Acq: 30 Jul 2019 14:59

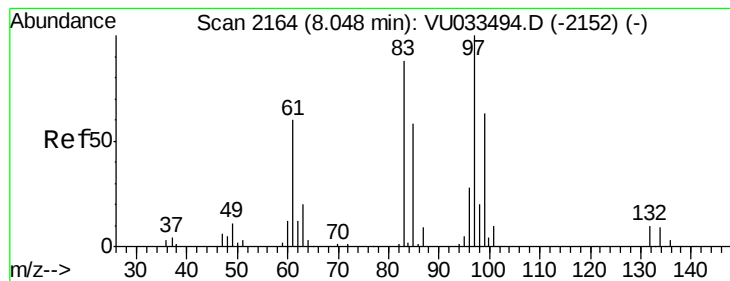
Tgt Ion: 75 Resp: 12423

Ion Ratio Lower Upper

75 100

77 27.7 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 3.811 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 97 Resp: 8934

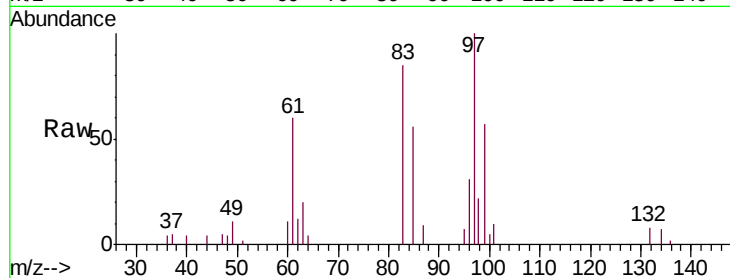
Ion Ratio Lower Upper

97 100

99 57.3 44.4 82.4

83 84.8 61.5 114.1

85 56.5 40.4 75.0

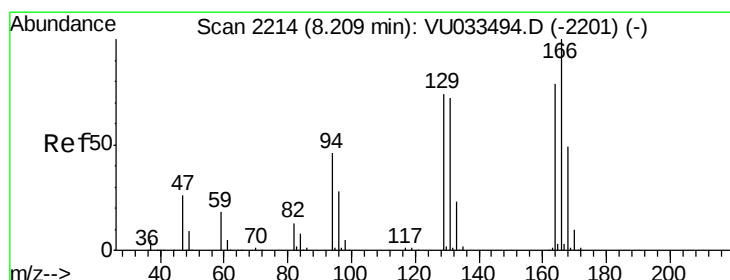
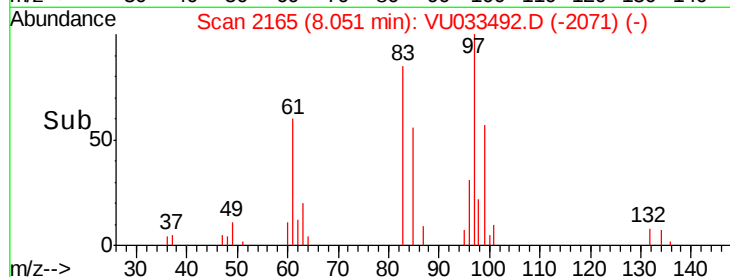
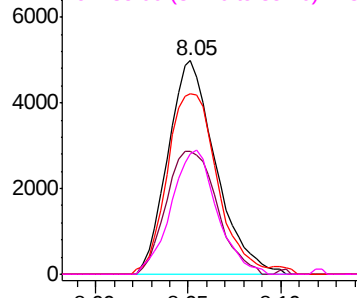


Abundance Ion 97.00 (96.70 to 97.70): VU033492.D (-2165) (-)

Ion 99.00 (98.70 to 99.70): VU033492.D (-2165) (-)

Ion 83.00 (82.70 to 83.70): VU033492.D (-2165) (-)

Ion 85.00 (84.70 to 85.70): VU033492.D (-2165) (-)



#46

Tetrachloroethene

Concen: 3.921 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Tgt Ion: 164 Resp: 7364

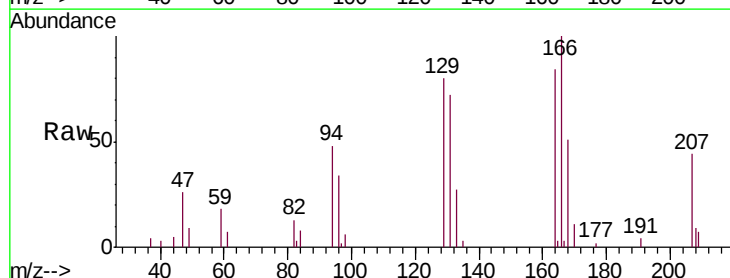
Ion Ratio Lower Upper

164 100

129 95.4 65.5 121.7

131 85.4 63.3 117.7

166 119.3 88.2 163.8

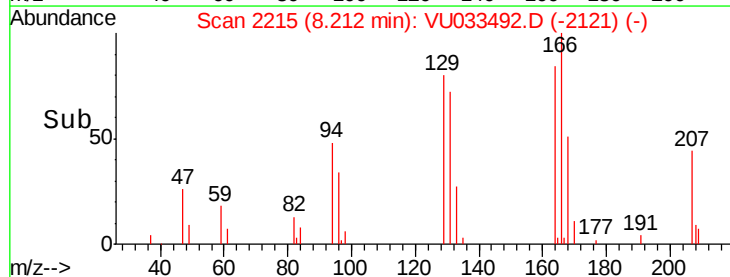
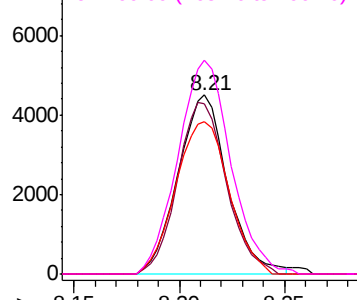


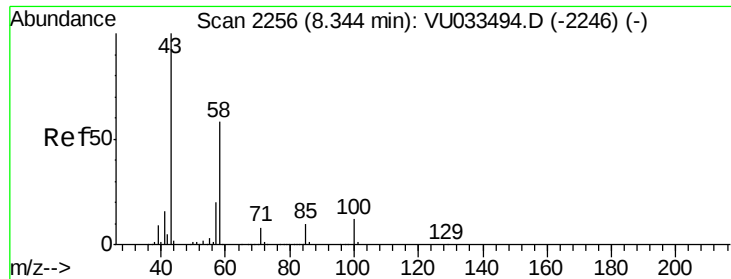
Abundance Ion 164.00 (163.70 to 164.70): VU033492.D (-2215) (-)

Ion 129.00 (128.70 to 129.70): VU033492.D (-2215) (-)

Ion 131.00 (130.70 to 131.70): VU033492.D (-2215) (-)

Ion 166.00 (165.70 to 166.70): VU033492.D (-2215) (-)

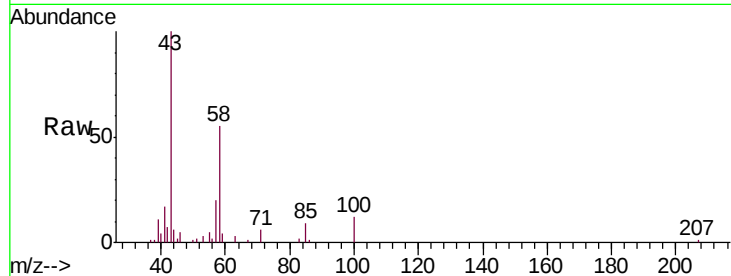




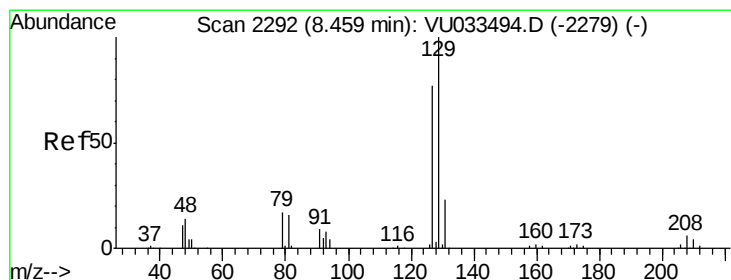
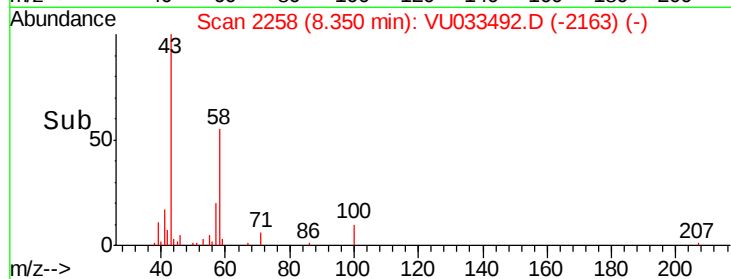
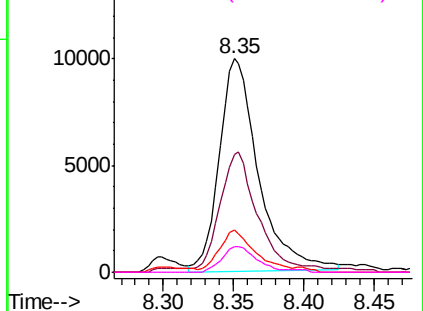
#48
2-Hexanone
Concen: 7.063 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion:	43	Resp:	19307
Ion	Ratio	Lower	Upper
43	100		
58	51.0	45.8	68.6
57	15.9	15.8	23.6
100	10.6	9.4	14.2

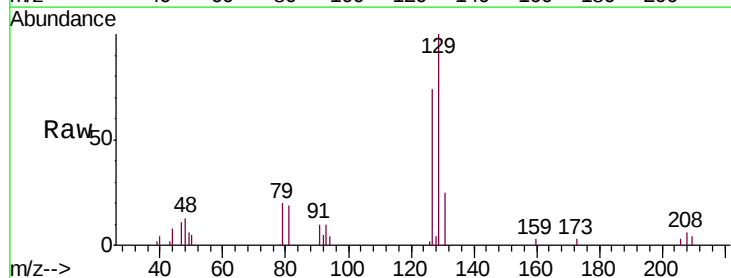


Abundance Ion 43.00 (42.70 to 43.70): VU033492.D (-2163) (-)
Ion 58.00 (57.70 to 58.70): VU033492.D (-2163) (-)
Ion 57.00 (56.70 to 57.70): VU033492.D (-2163) (-)
Ion 100.00 (99.70 to 100.70): VU033492.D (-2163) (-)

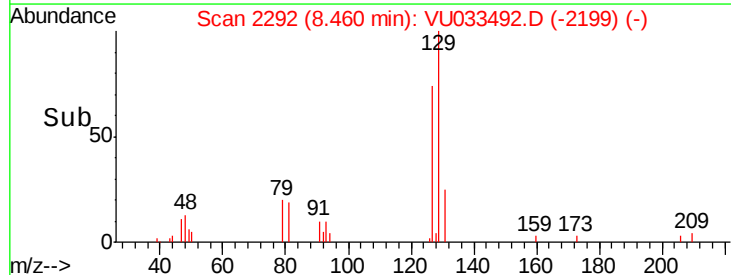
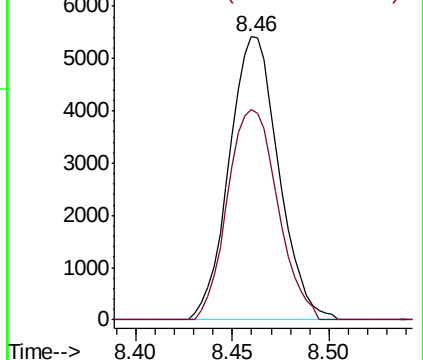


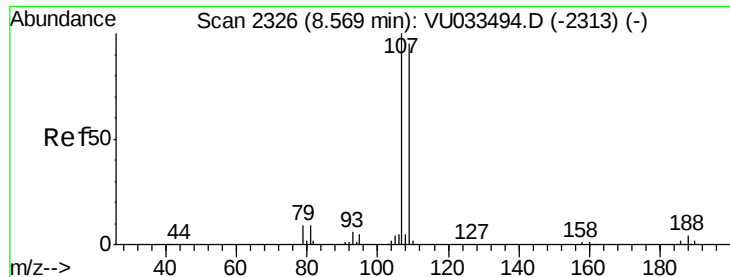
#49
Dibromochloromethane
Concen: 3.668 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

Tgt Ion:	129	Resp:	9651
Ion	Ratio	Lower	Upper
129	100		
127	74.4	53.8	99.8



Abundance Ion 129.00 (128.70 to 129.70): VU033492.D (-2199) (-)
Ion 127.00 (126.70 to 127.70): VU033492.D (-2199) (-)

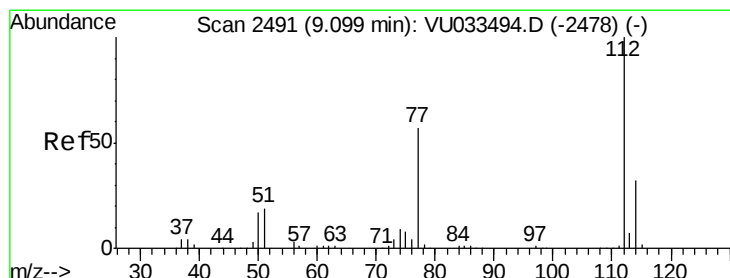
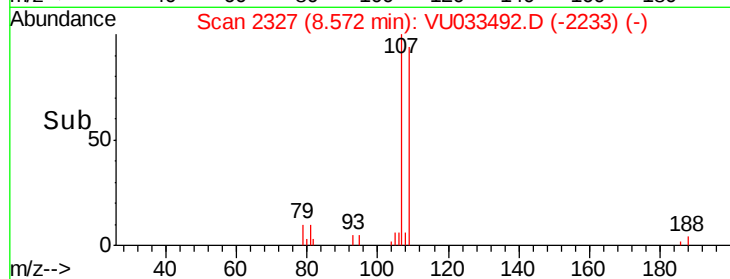
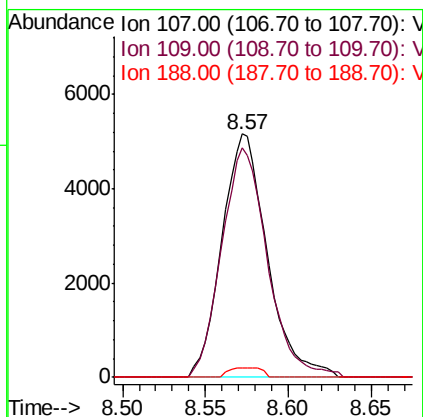
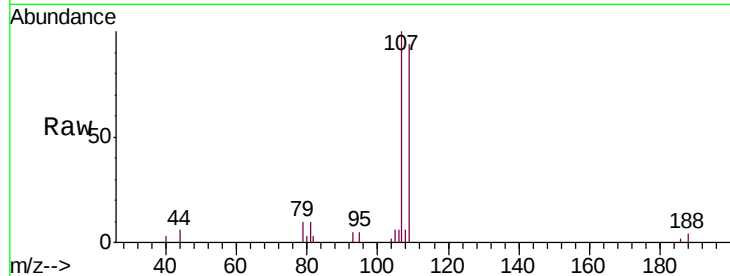




#50
1,2-Dibromoethane
Concen: 3.835 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

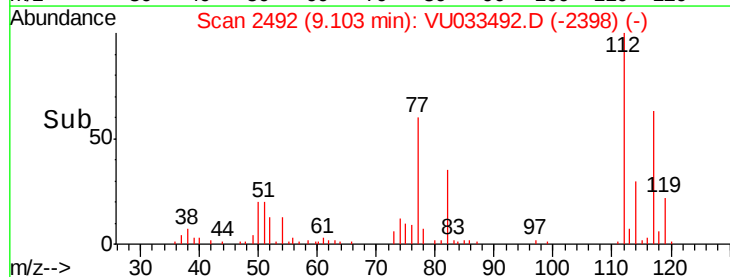
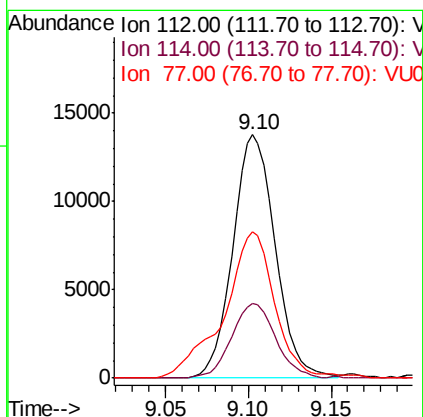
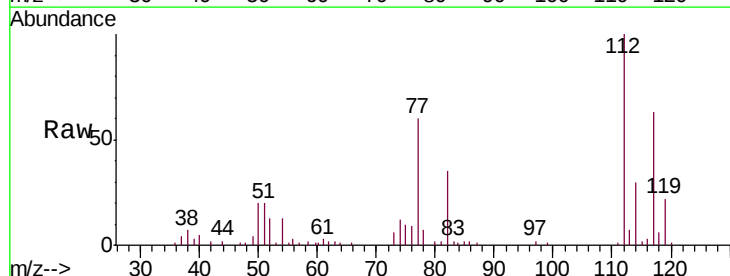
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

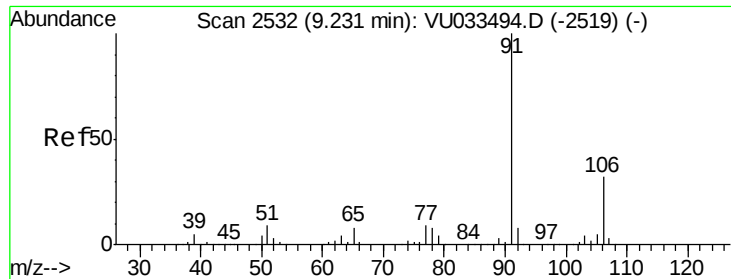
Tgt Ion:107 Resp: 9833
Ion Ratio Lower Upper
107 100
109 94.1 66.8 124.0
188 3.7 3.0 4.4



#51
Chlorobenzene
Concen: 3.809 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033492.D
Acq: 30 Jul 2019 14:59

Tgt Ion:112 Resp: 24537
Ion Ratio Lower Upper
112 100
114 30.5 22.3 41.5
77 60.2 45.6 68.4





#52

Ethylbenzene

Concen: 3.446 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

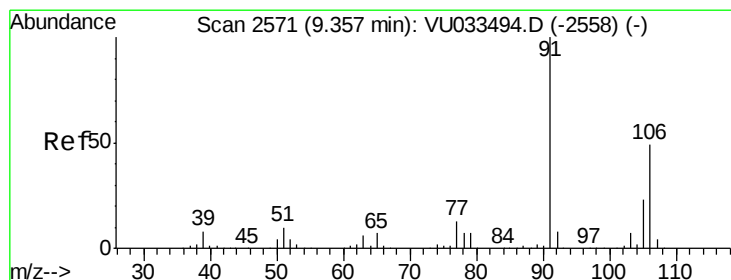
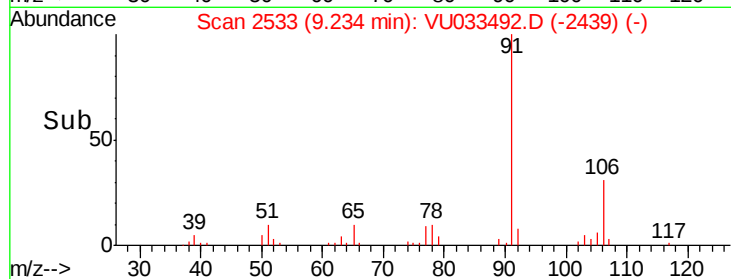
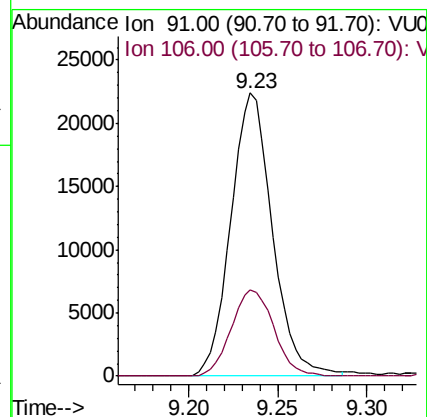
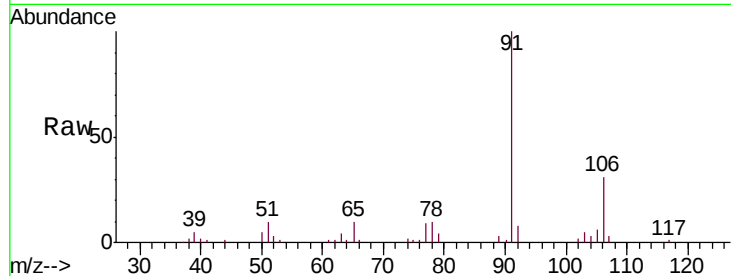
VSTD00534

Tgt Ion: 91 Resp: 36347

Ion Ratio Lower Upper

91 100

106 30.7 22.2 41.2



#53

m,p-Xylene

Concen: 3.393 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033492.D

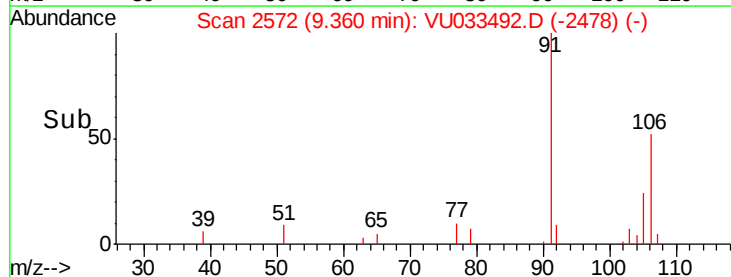
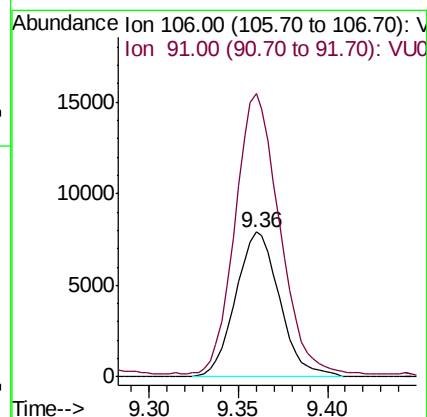
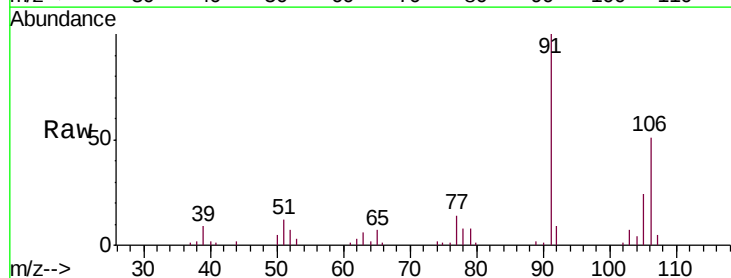
Acq: 30 Jul 2019 14:59

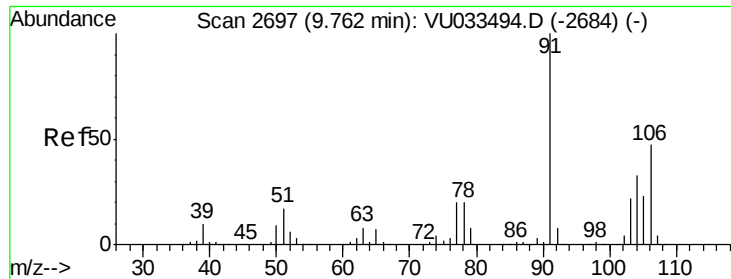
Tgt Ion: 106 Resp: 13558

Ion Ratio Lower Upper

106 100

91 195.6 143.0 265.6





#54

o-xylene

Concen: 3.304 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

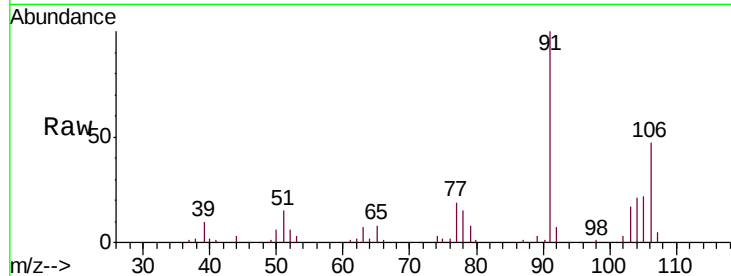
VSTD00534

Tgt Ion:106 Resp: 13130

Ion Ratio Lower Upper

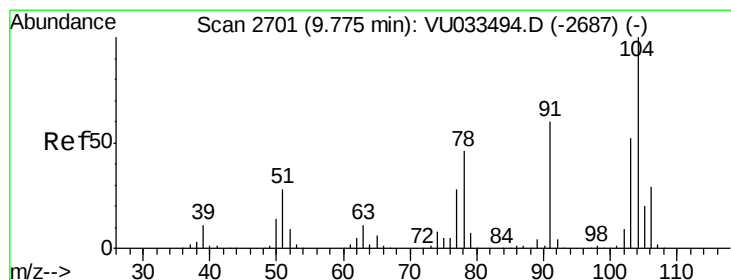
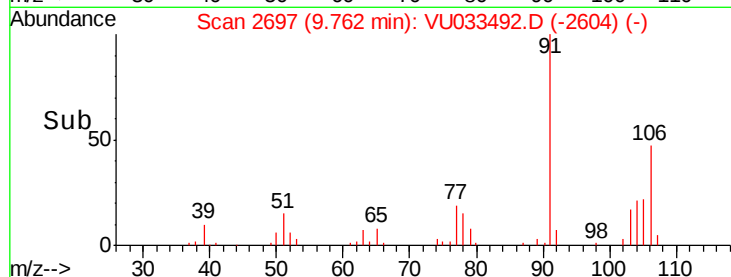
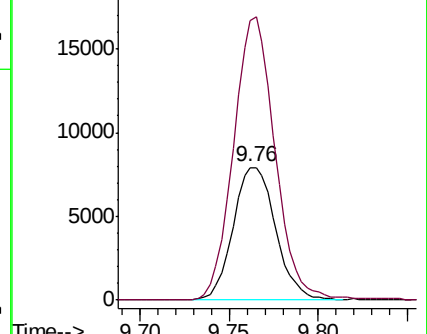
106 100

91 211.4 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 3.062 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033492.D

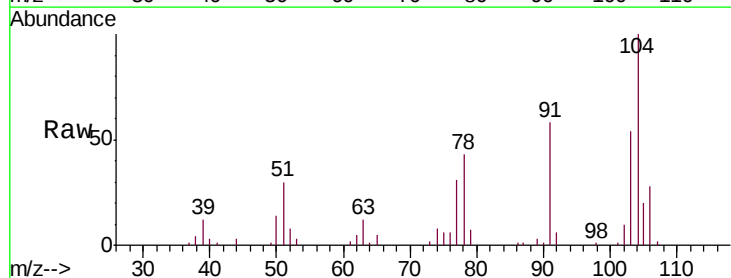
Acq: 30 Jul 2019 14:59

Tgt Ion:104 Resp: 20605

Ion Ratio Lower Upper

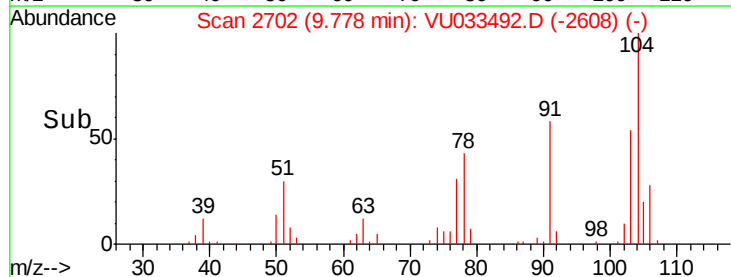
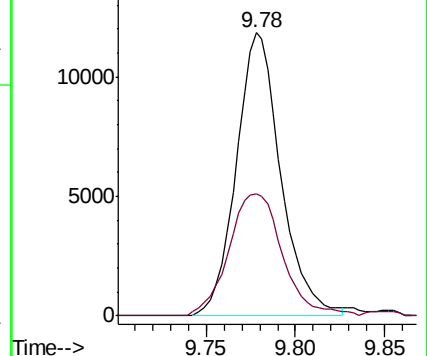
104 100

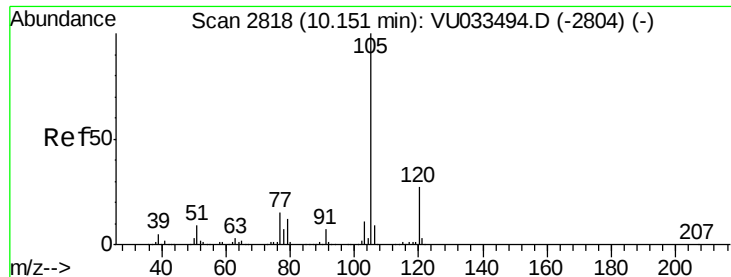
78 43.3 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 3.186 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

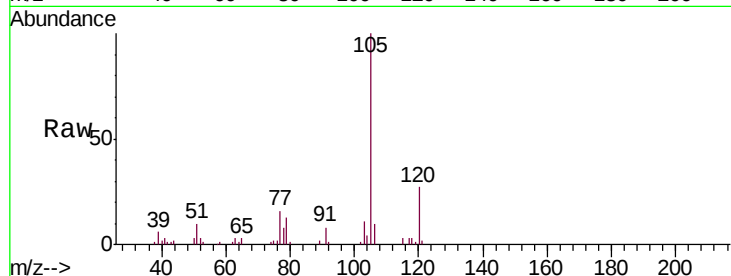
Tgt Ion: 105 Resp: 32585

Ion Ratio Lower Upper

105 100

120 28.3 21.4 32.0

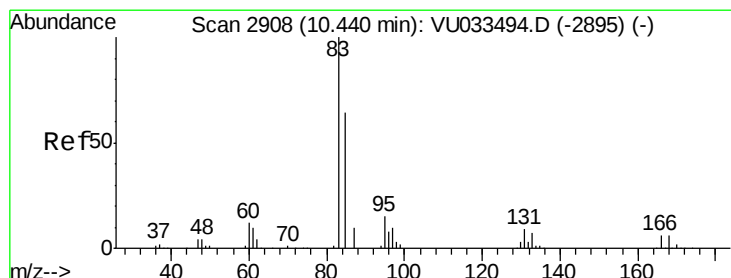
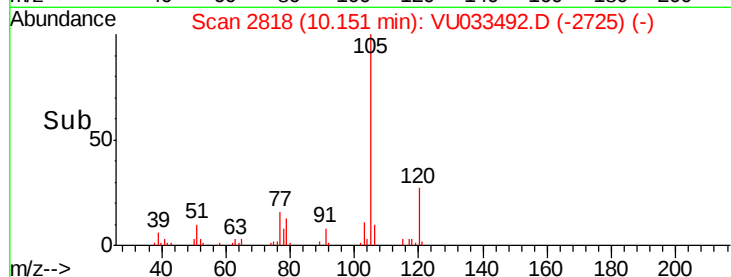
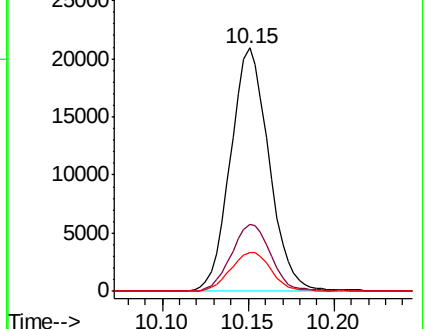
77 16.9 12.5 18.7



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: 3.894 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

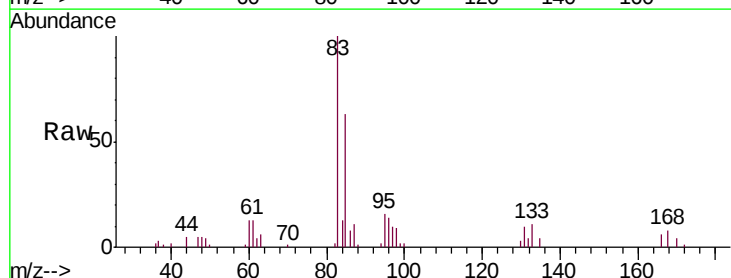
Tgt Ion: 83 Resp: 16108

Ion Ratio Lower Upper

83 100

85 62.7 45.4 84.4

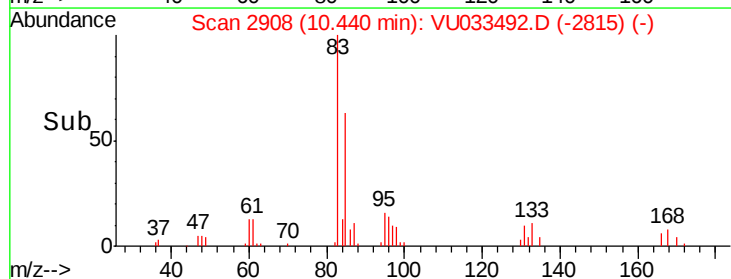
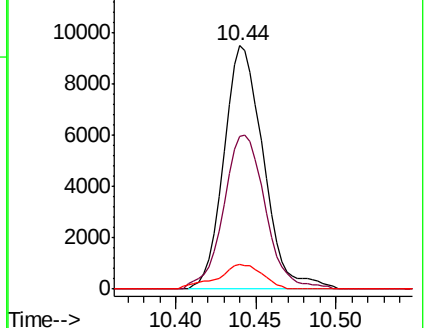
131 10.1 7.9 11.9

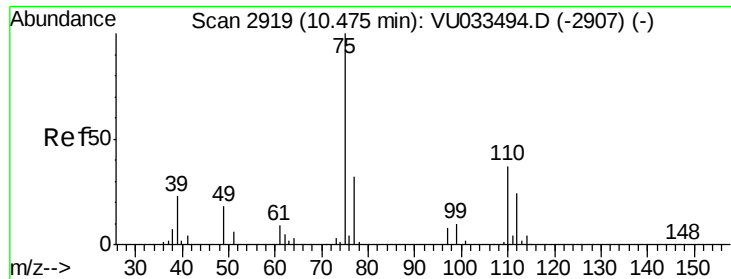


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

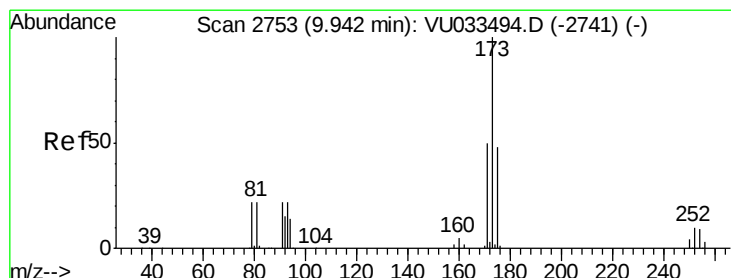
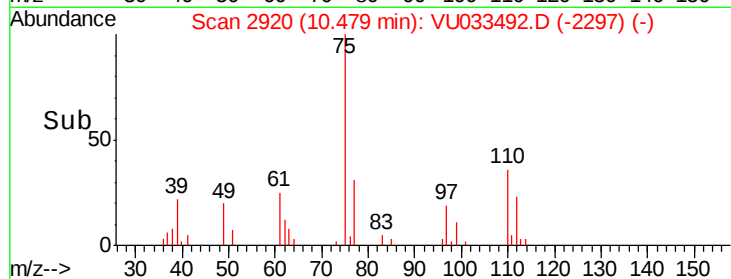
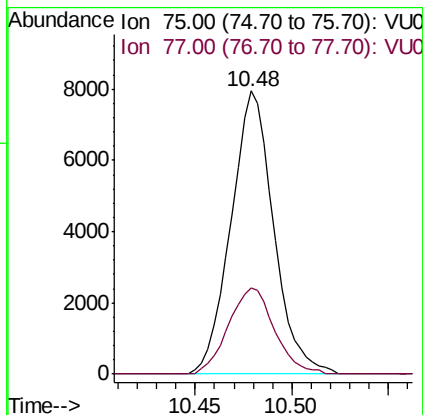
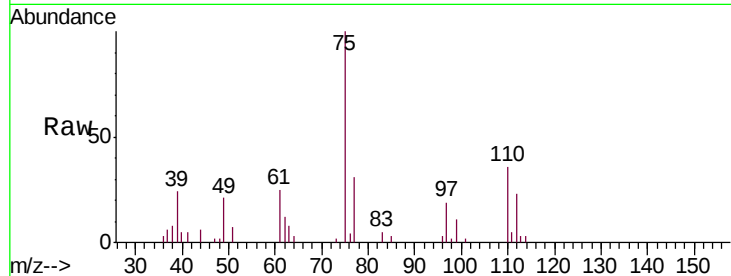




#59
 1,2,3-Trichloropropane
 Concen: 3.761 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

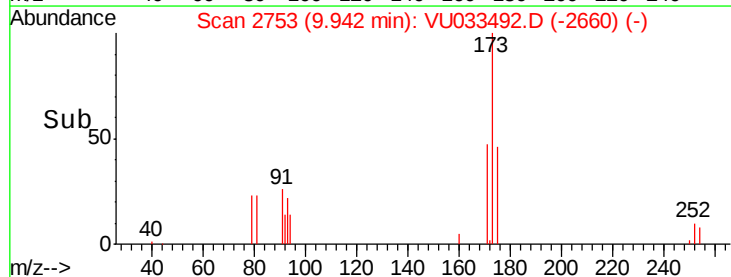
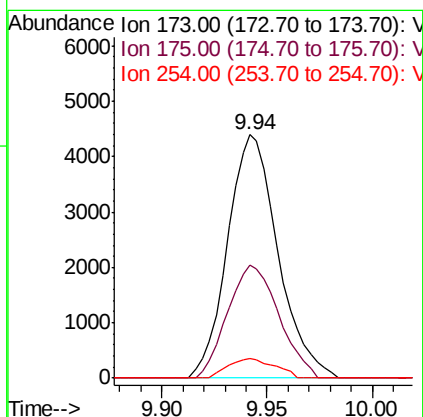
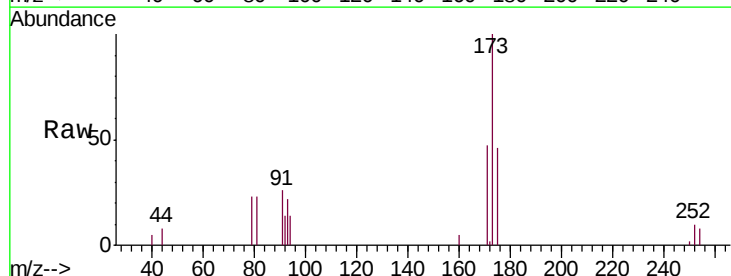
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

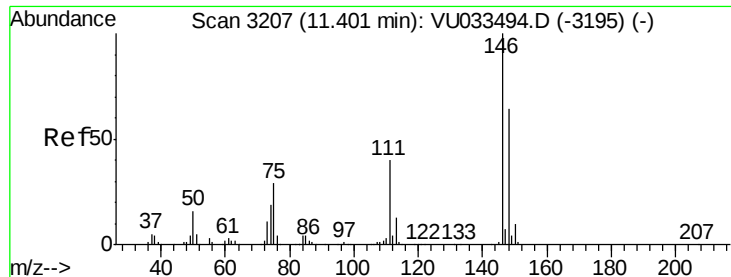
Tgt Ion: 75 Resp: 12196
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.8 38.6



#61
 Bromoform
 Concen: 3.756 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

Tgt Ion: 173 Resp: 7303
 Ion Ratio Lower Upper
 173 100
 175 47.3 38.7 58.1
 254 7.5 7.5 11.3#





#62

1,3-Dichlorobenzene

Concen: 3.805 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

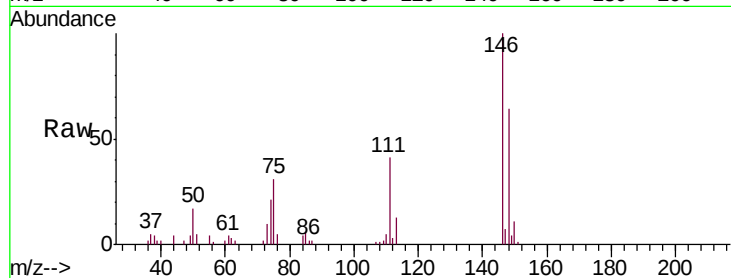
Tgt Ion:146 Resp: 18596

Ion Ratio Lower Upper

146 100

111 40.8 28.1 52.1

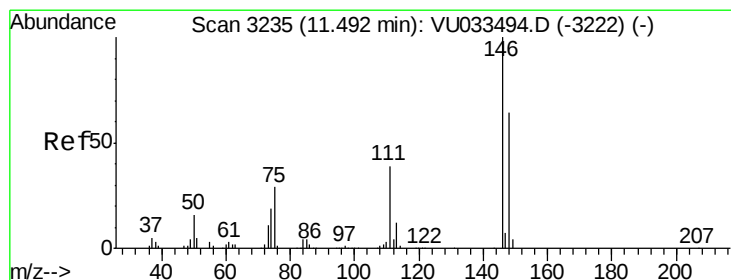
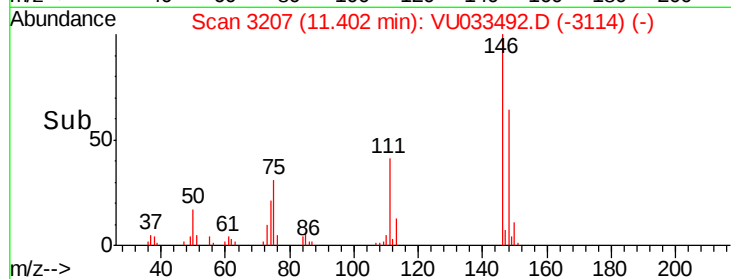
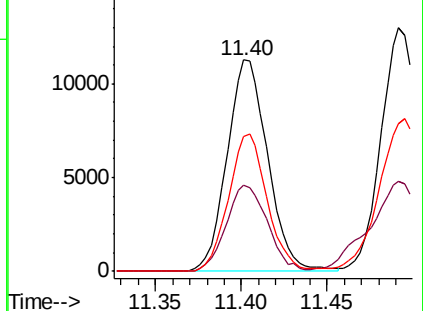
148 63.7 45.0 83.6



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: 4.066 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

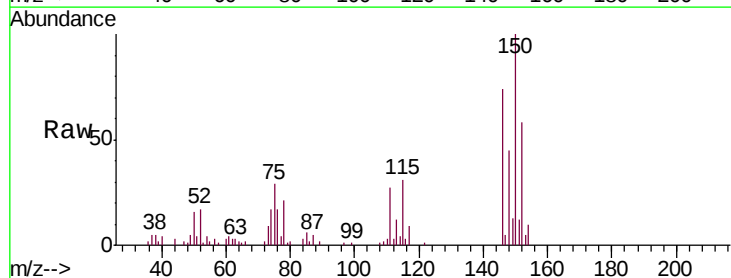
Tgt Ion:146 Resp: 20702

Ion Ratio Lower Upper

146 100

111 37.1 27.2 50.4

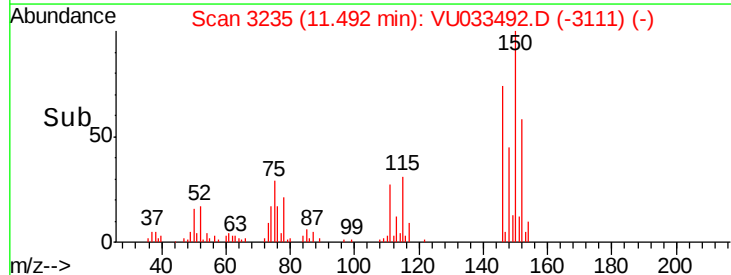
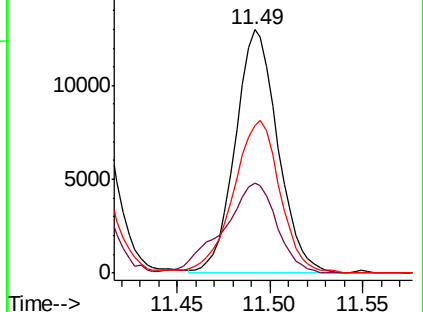
148 60.6 44.5 82.7

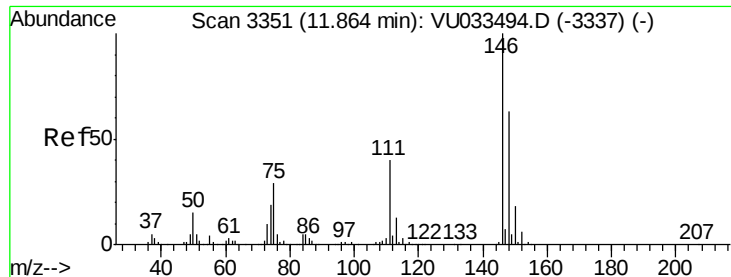


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

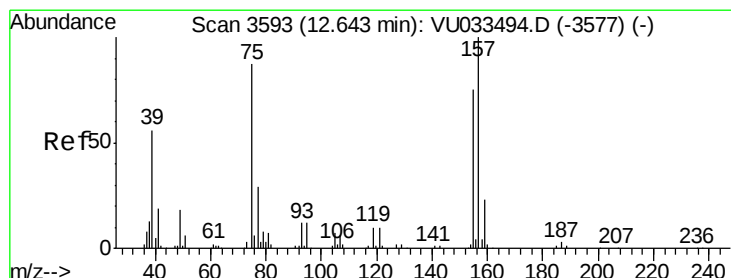
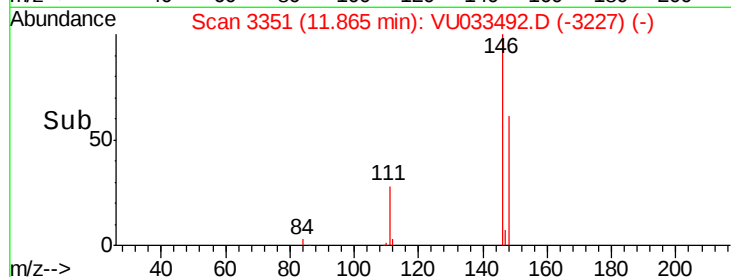
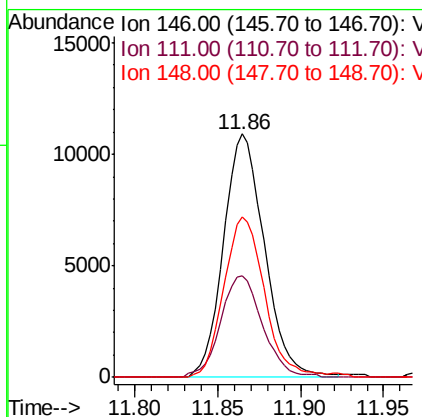
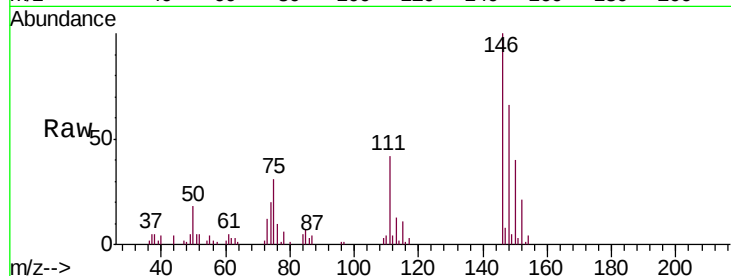




#65
 1,2-Dichlorobenzene
 Concen: 3.760 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

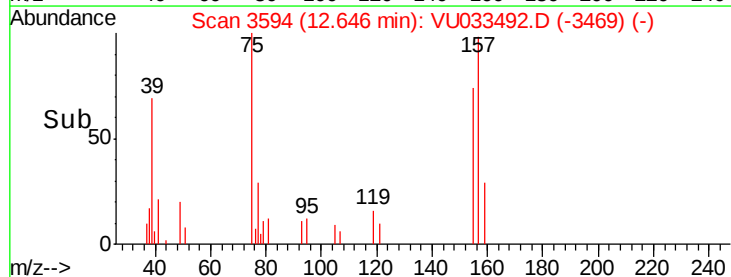
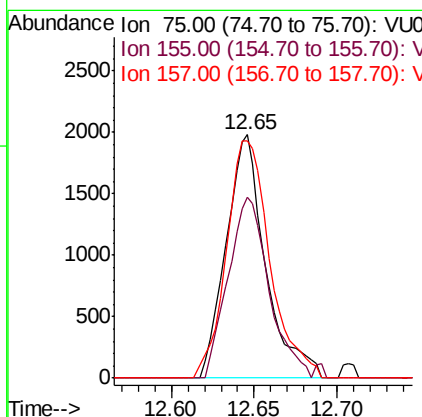
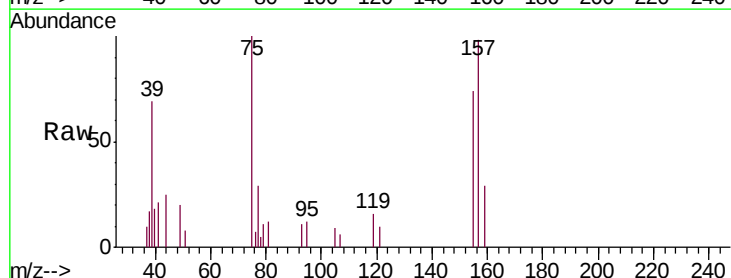
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

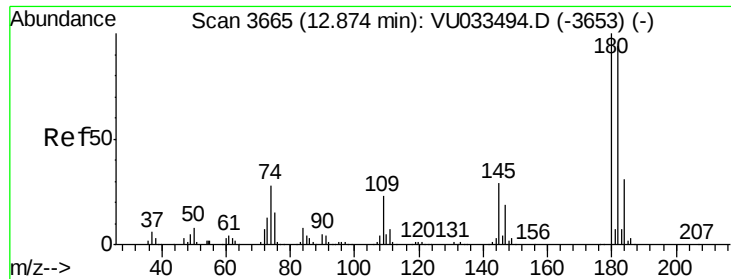
Tgt Ion: 146 Resp: 18775
 Ion Ratio Lower Upper
 146 100
 111 41.9 31.7 47.5
 148 65.8 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.453 ug/L
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

Tgt Ion: 75 Resp: 3284
 Ion Ratio Lower Upper
 75 100
 155 74.1 69.4 104.0
 157 97.6 91.8 137.8

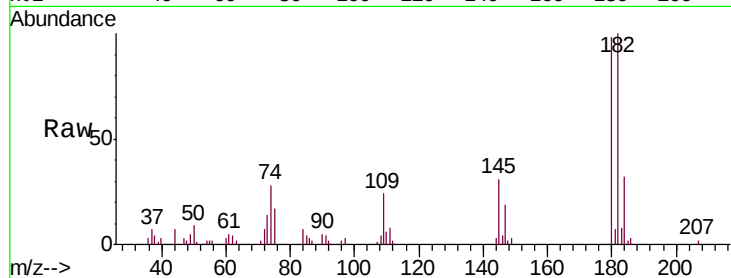




#67
 1,3,5-Trichlorobenzene
 Concen: 4.026 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.6	113.4
184	32.4	24.2	36.2
145	30.8	22.7	34.1



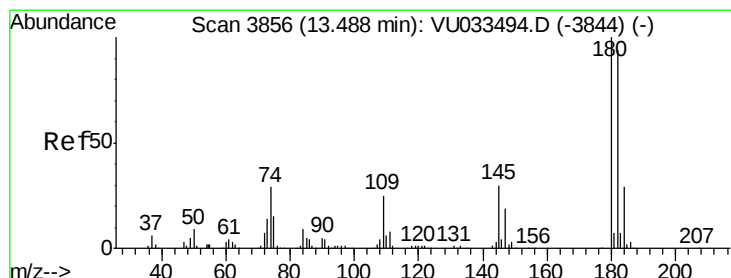
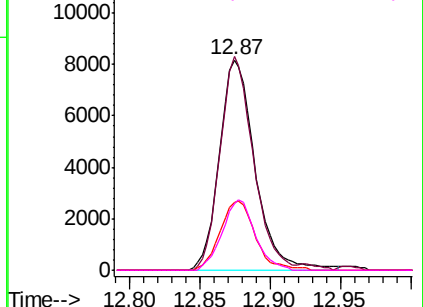
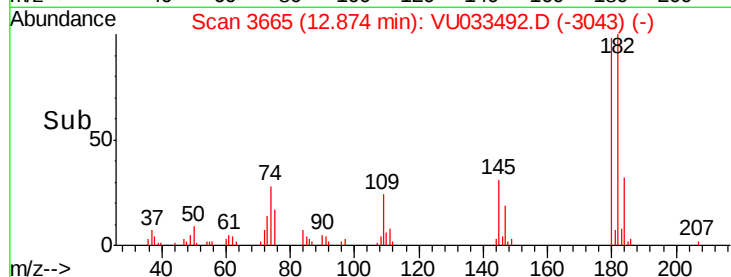
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

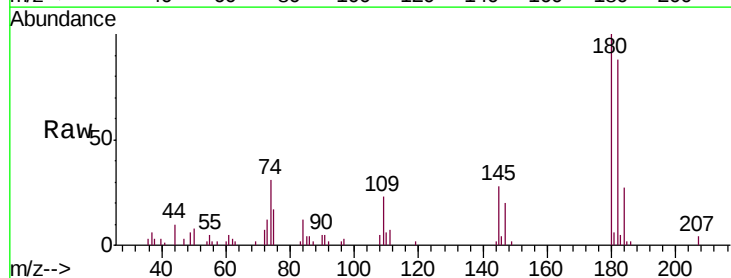
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.832 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033492.D
 Acq: 30 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	75.8	113.8
145	26.7	24.3	36.5

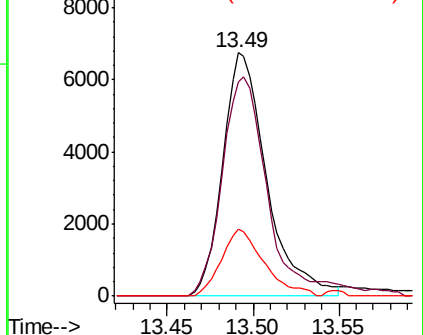
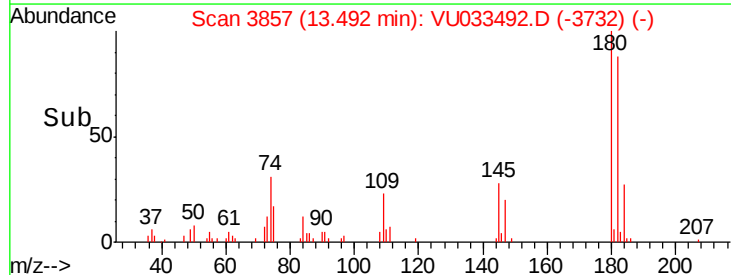


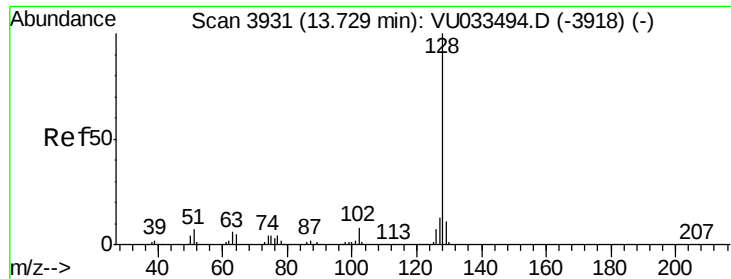
Abundance

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





#69

Naphthalene

Concen: 3.028 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

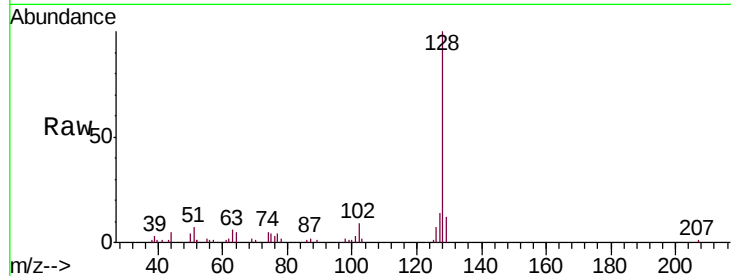
Tgt Ion:128 Resp: 29735

Ion Ratio Lower Upper

128 100

127 14.7 10.8 16.2

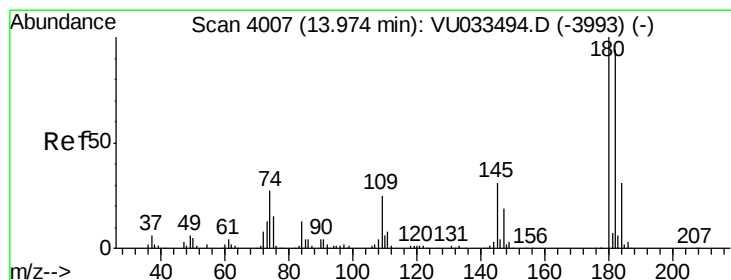
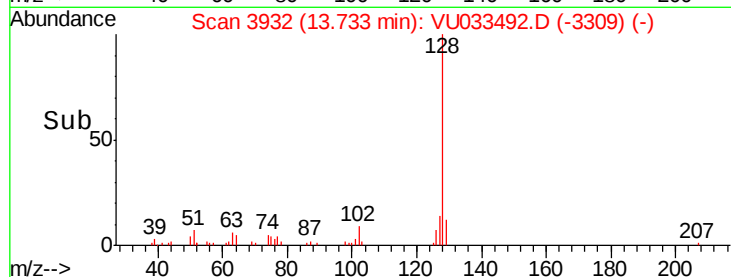
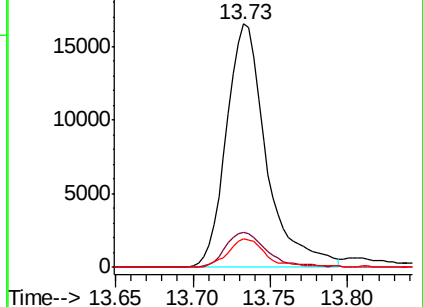
129 10.4 8.7 13.1



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: 3.539 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.00 min

Lab File: VU033492.D

Acq: 30 Jul 2019 14:59

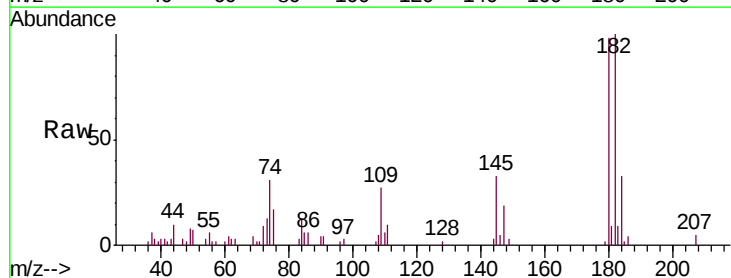
Tgt Ion:180 Resp: 12039

Ion Ratio Lower Upper

180 100

182 101.1 75.5 113.3

145 30.4 24.4 36.6



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

