

Data File : VU034550.D
Acq On : 15 Sep 2019 08:25
Operator : JC/SP
Sample : VSTD00103
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Quant Time: Sep 16 02:07:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 02:04:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	203392	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	189198	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	91077	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	12064	0.71	ug/L	0.00
7) Chloroethane-d5	1.67	69	10146	0.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	20327	0.63	ug/L	0.00
20) 2-Butanone-d5	4.20	46	39001	9.13	ug/L	0.03
24) Chloroform-d	4.62	84	24687	0.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	12796	0.80	ug/L	0.00
32) Benzene-d6	5.32	84	47576	0.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	16530	0.97	ug/L	0.00
41) Toluene-d8	7.54	98	45490	0.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	6907	1.06	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	32103	11.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	14302	1.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	15616	0.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	9498	0.454 ug/L	92
3) Chloromethane	1.32	50	14802	0.686 ug/L	97
5) Vinyl chloride	1.40	62	13039	0.586 ug/L	96
6) Bromomethane	1.62	94	7324	0.700 ug/L	95
8) Chloroethane	1.69	64	8276	0.592 ug/L	100
9) Trichlorofluoromethane	1.87	101	15081	0.601 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7606	0.539 ug/L	99
12) 1,1-Dichloroethene	2.27	96	8551	0.607 ug/L	94
13) Acetone	2.34	43	29721	9.266 ug/L	88
14) Carbon disulfide	2.46	76	22576	0.465 ug/L	99
15) Methyl Acetate	2.61	43	7061	0.821 ug/L	100
16) Methylene chloride	2.68	84	12816	0.749 ug/L	93
17) Methyl tert-butyl Ether	2.99	73	34055	0.876 ug/L	93
18) trans-1,2-Dichloroethene	2.96	96	9828	0.639 ug/L	79
19) 1,1-Dichloroethane	3.42	63	24605	0.787 ug/L #	94
21) 2-Butanone	4.29	43	44783	9.531 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	15404	0.923 ug/L #	97
23) Bromochloromethane	4.52	128	6216	0.834 ug/L	95
25) Chloroform	4.65	83	29474	0.902 ug/L	100
27) 1,2-Dichloroethane	5.39	62	16134	0.840 ug/L #	94
29) 1,1,1-Trichloroethane	4.89	97	19770	0.894 ug/L	97
30) Cyclohexane	4.96	56	14519	0.682 ug/L #	93
31) Carbon tetrachloride	5.11	117	15469	0.804 ug/L	97
33) Benzene	5.37	78	54264	0.946 ug/L	100
34) Trichloroethene	6.16	95	14209	0.955 ug/L	97
35) Methylcyclohexane	6.39	83	15300	0.727 ug/L	97
37) 1,2-Dichloropropane	6.41	63	15951	0.997 ug/L #	97
38) Bromodichloromethane	6.74	83	20190	1.028 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	23328	1.081 ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	120893	12.082 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	57250	0.989	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	18725	1.070	ug/L	88
45) 1,1,2-Trichloroethane	8.05	97	10816	0.999	ug/L	91
47) Tetrachloroethene	8.21	164	8461	0.757	ug/L	98
48) 2-Hexanone	8.35	43	80129	11.547	ug/L	98
49) Dibromochloromethane	8.46	129	13430	1.042	ug/L	100
50) 1,2-Dibromoethane	8.57	107	9784	0.952	ug/L #	97
51) Chlorobenzene	9.10	112	37687	0.984	ug/L	98
52) Ethylbenzene	9.23	91	65416	1.060	ug/L	100
53) m,p-Xylene	9.35	106	23956	1.044	ug/L	98
54) o-Xylene	9.76	106	25112	1.148	ug/L	92
55) Styrene	9.77	104	40573	1.079	ug/L	92
56) Isopropylbenzene	10.14	105	62121	1.072	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	16503	1.141	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	10411	1.016	ug/L	95
61) Bromoform	9.94	173	7212	1.049	ug/L #	97
62) 1,3-Dichlorobenzene	11.40	146	29296	1.037	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	30269	1.035	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	27734	1.017	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.64	75	2649	1.191	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	20100	0.927	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	14365	0.874	ug/L	97
69) Naphthalene	13.73	128	29731	1.082	ug/L	98
70) 1,2,3-Trichlorobenzene	13.97	180	13298	0.843	ug/L	89

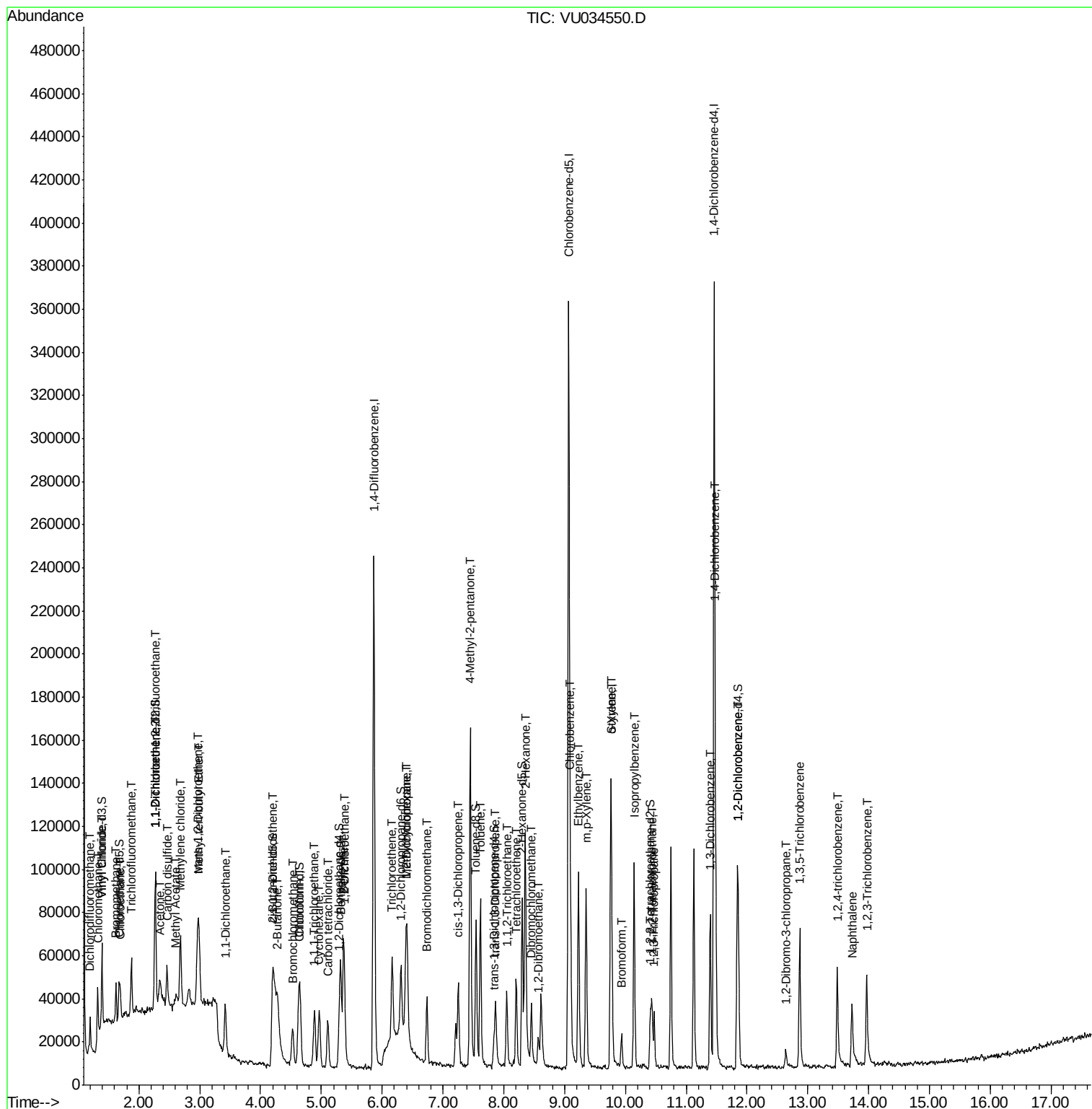
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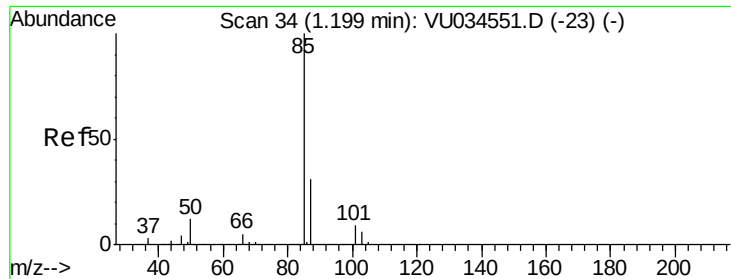
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#2

Dichlorodifluoromethane

Concen: 0.454 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

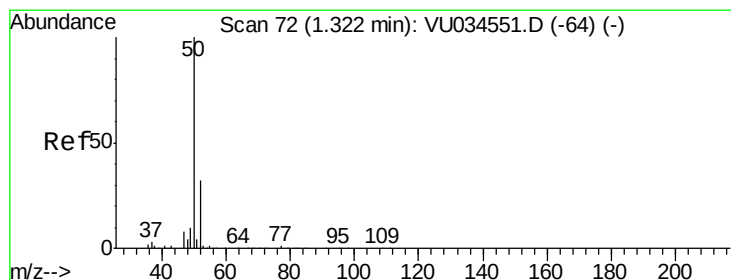
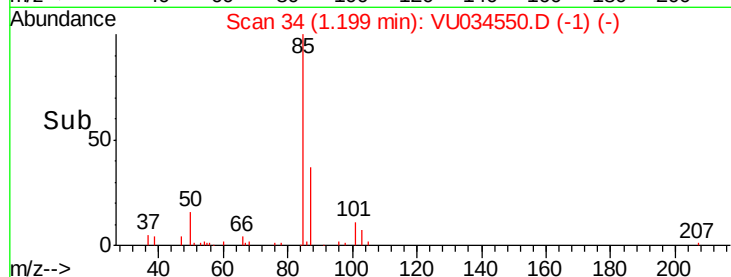
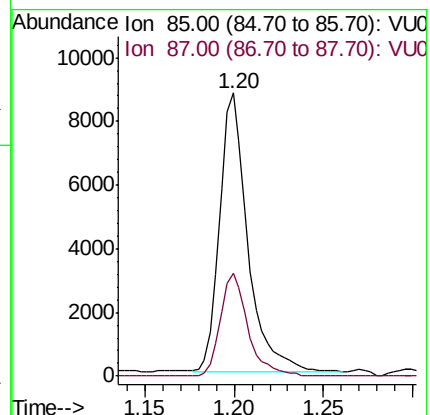
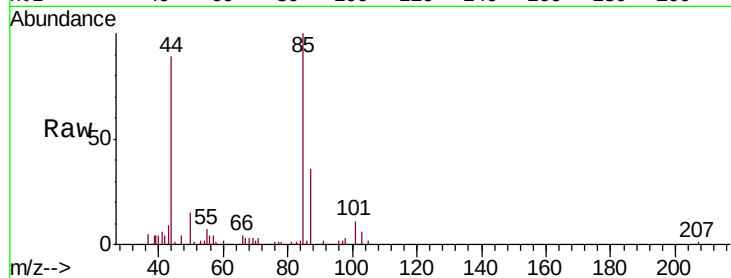
VSTD00103

Tgt Ion: 85 Resp: 9498

Ion Ratio Lower Upper

85 100

87 36.3 25.4 38.2



#3

Chloromethane

Concen: 0.686 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034550.D

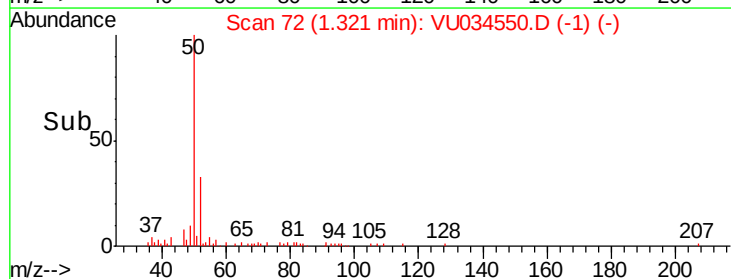
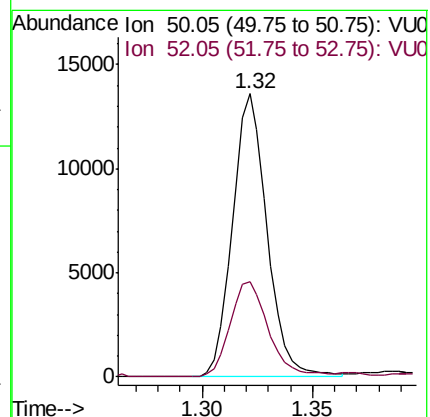
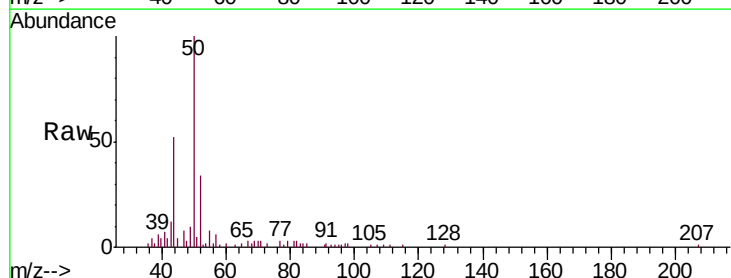
Acq: 15 Sep 2019 08:25

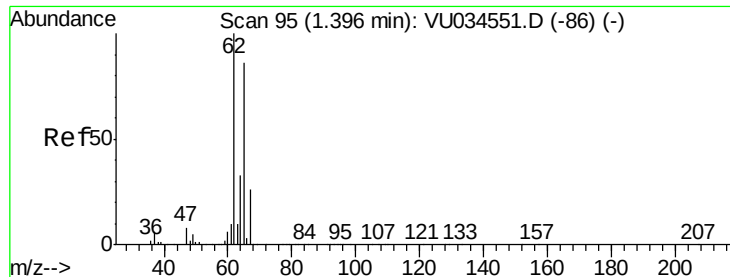
Tgt Ion: 50 Resp: 14802

Ion Ratio Lower Upper

50 100

52 33.5 22.4 41.6





#5

Vinyl chloride

Concen: 0.586 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

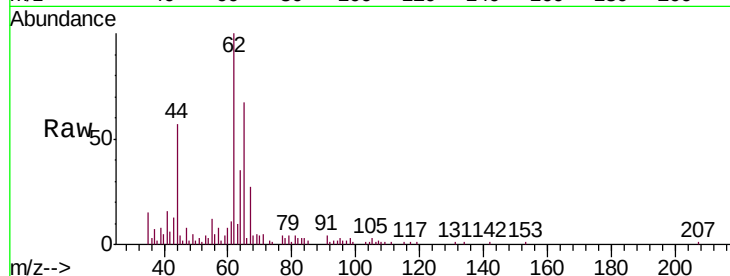
VSTD00103

Tgt Ion: 62 Resp: 13039

Ion Ratio Lower Upper

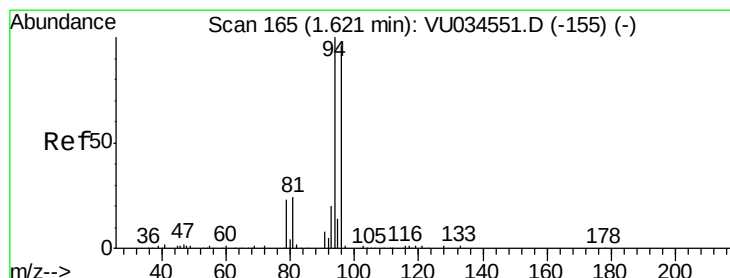
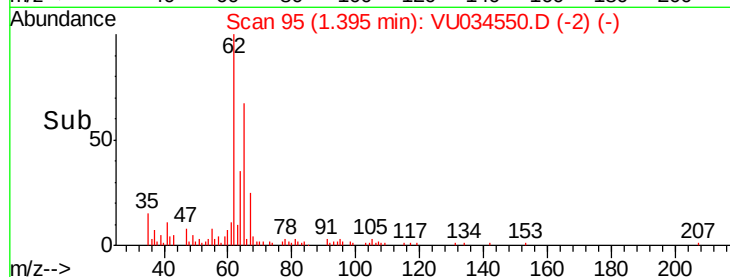
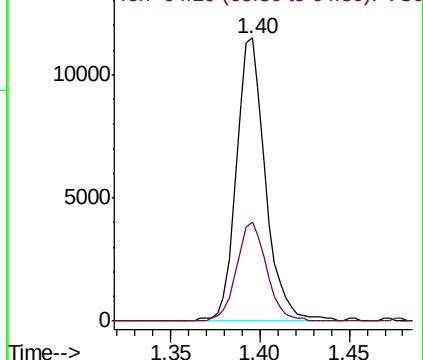
62 100

64 34.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU034550.D

Ion 64.10 (63.80 to 64.80): VU034550.D



#6

Bromomethane

Concen: 0.700 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034550.D

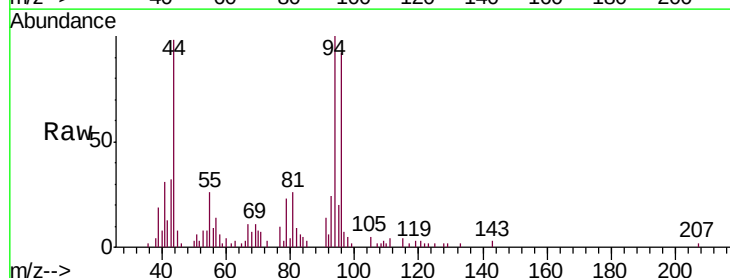
Acq: 15 Sep 2019 08:25

Tgt Ion: 94 Resp: 7324

Ion Ratio Lower Upper

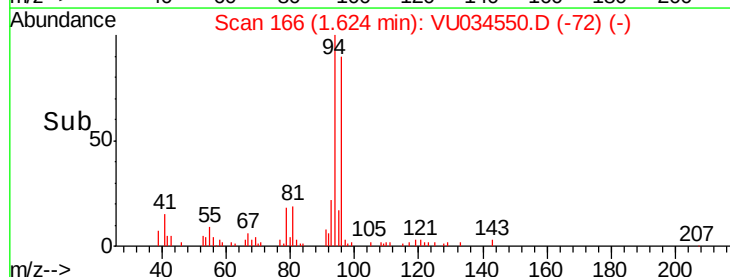
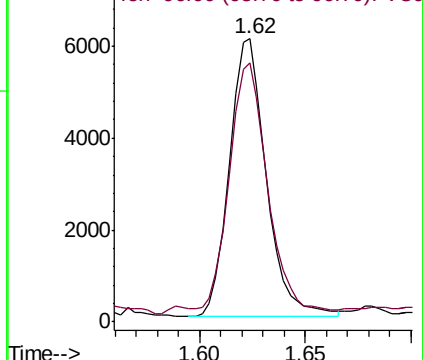
94 100

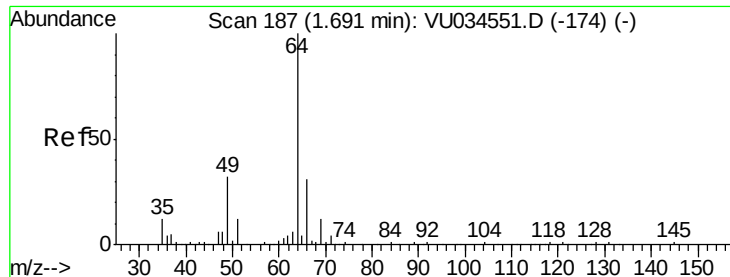
96 91.5 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU034550.D

Ion 96.00 (95.70 to 96.70): VU034550.D





#8

Chloroethane

Concen: 0.592 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

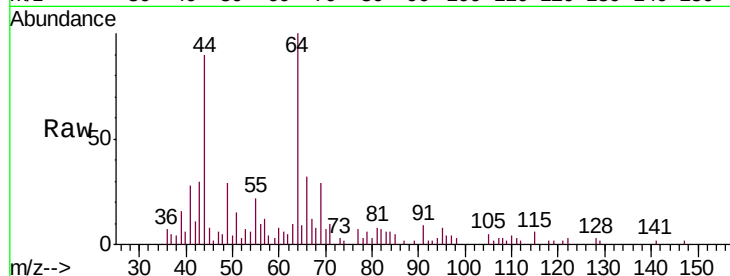
VSTD00103

Tgt Ion: 64 Resp: 8276

Ion Ratio Lower Upper

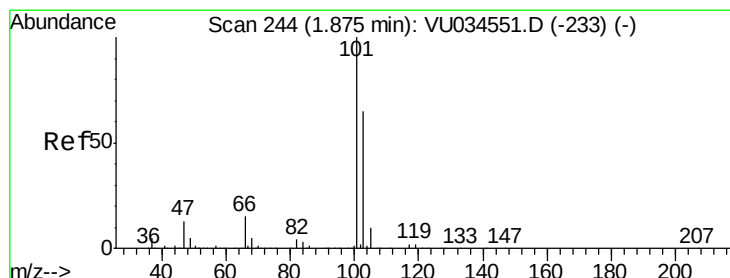
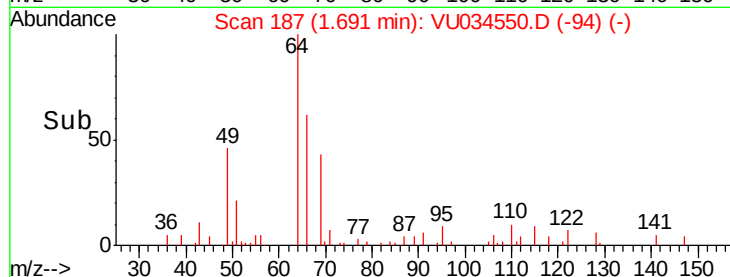
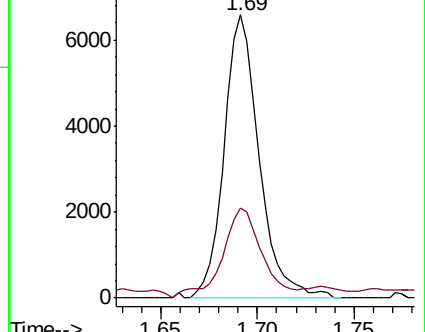
64 100

66 31.8 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU034550.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU034550.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 0.601 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034550.D

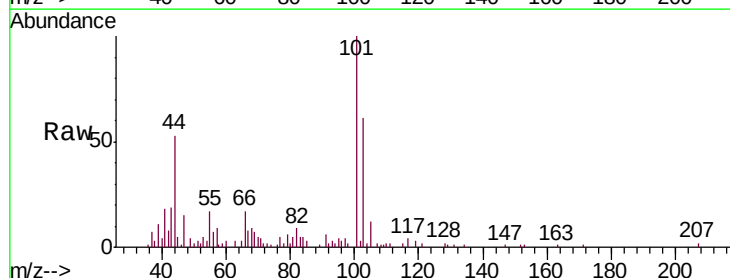
Acq: 15 Sep 2019 08:25

Tgt Ion: 101 Resp: 15081

Ion Ratio Lower Upper

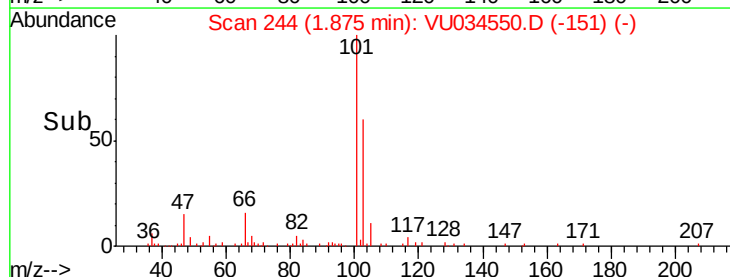
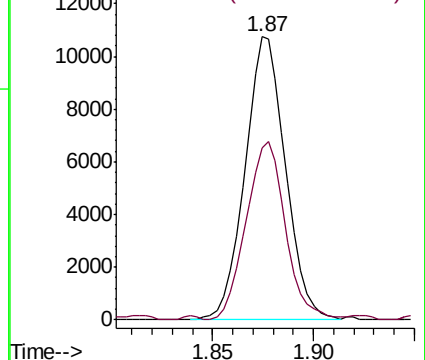
101 100

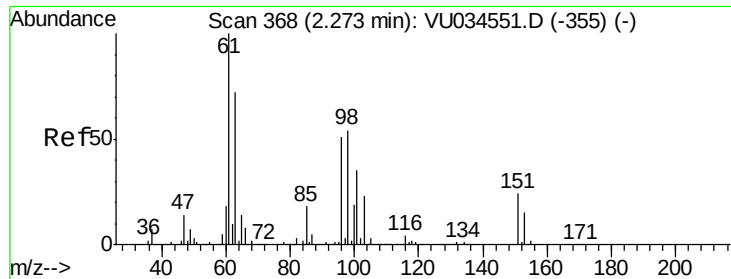
103 61.3 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU034550.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034550.D (-233) (-)





#10

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

Concen: 0.539 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampled :

VSTD00103

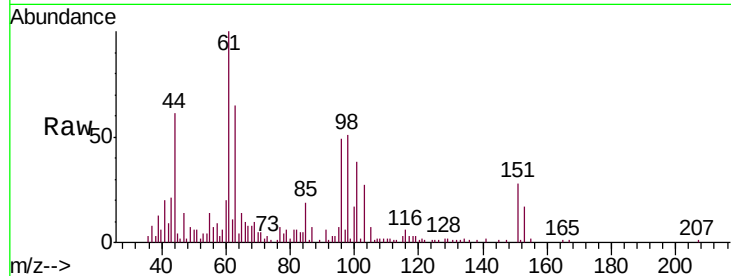
Tgt Ion: 101 Resp: 7606

Ion Ratio Lower Upper

101 100

85 50.1 39.8 59.6

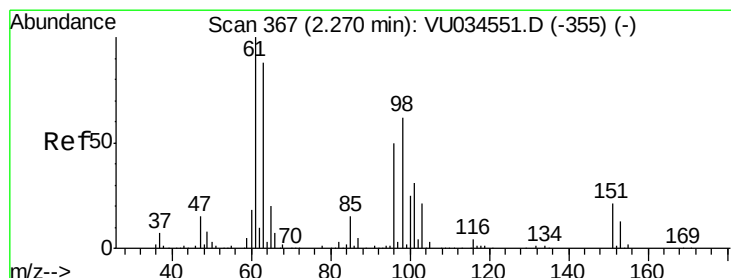
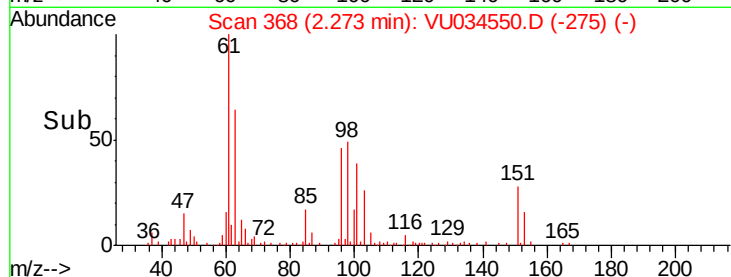
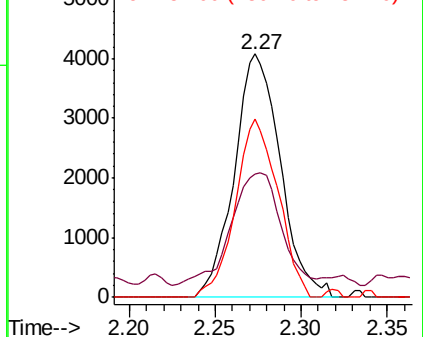
151 67.6 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.607 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

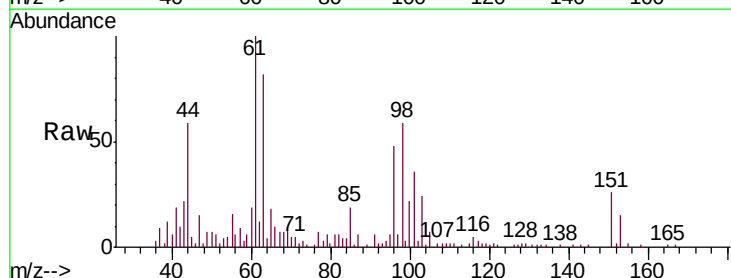
Tgt Ion: 96 Resp: 8551

Ion Ratio Lower Upper

96 100

61 209.5 139.0 258.2

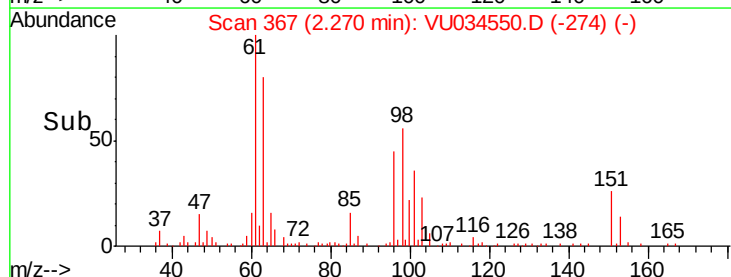
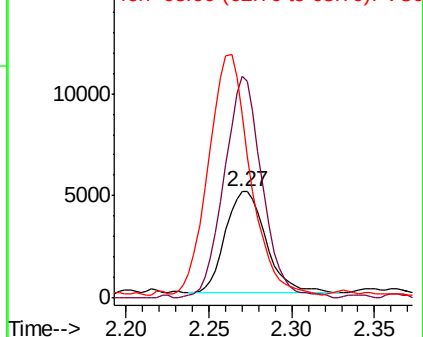
63 172.4 125.0 232.2

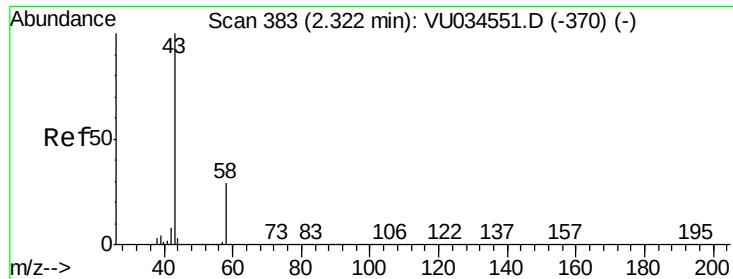


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.266 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.02 min

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ClientSampleId :

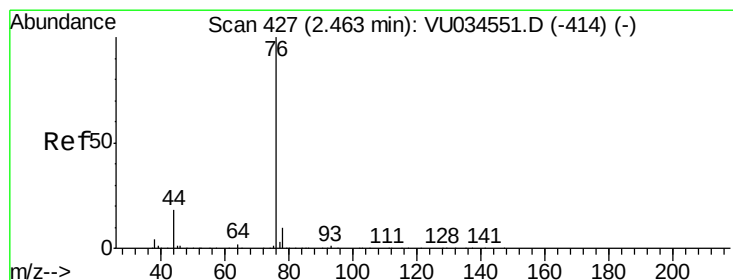
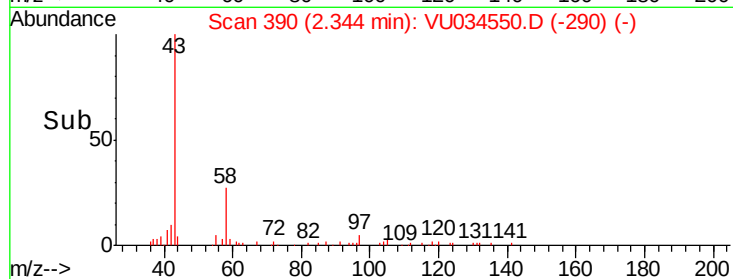
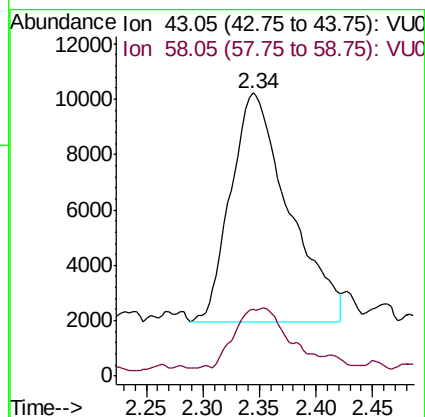
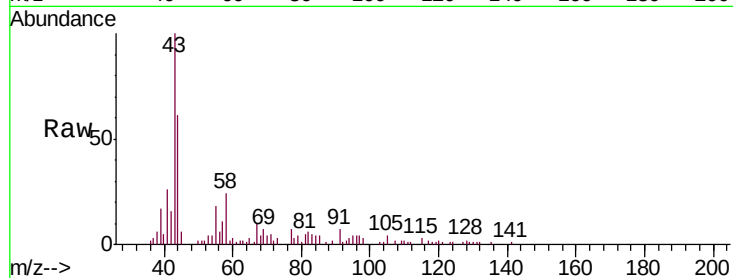
VSTD00103

Tgt Ion: 43 Resp: 29721

Ion Ratio Lower Upper

43 100

58 23.5 0.0 59.4



#14

Carbon disulfide

Concen: 0.465 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034550.D

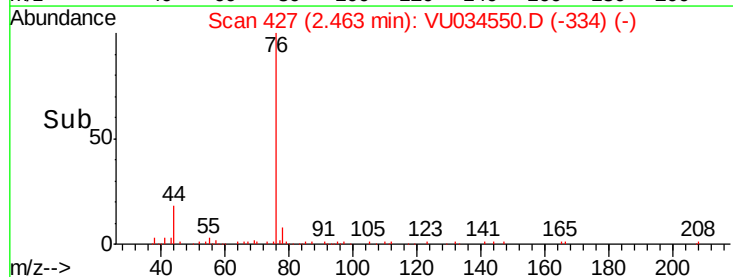
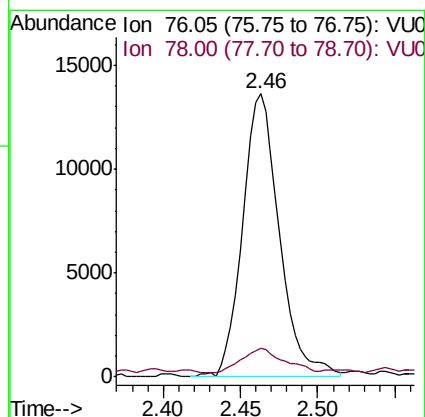
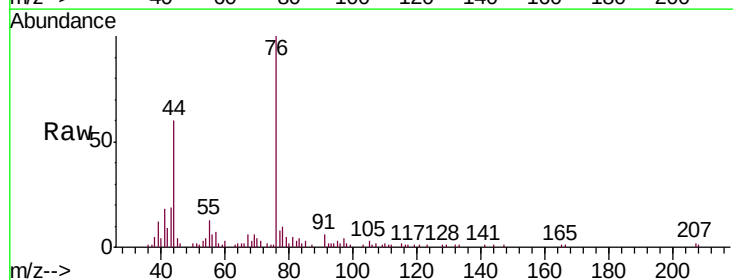
Acq: 15 Sep 2019 08:25

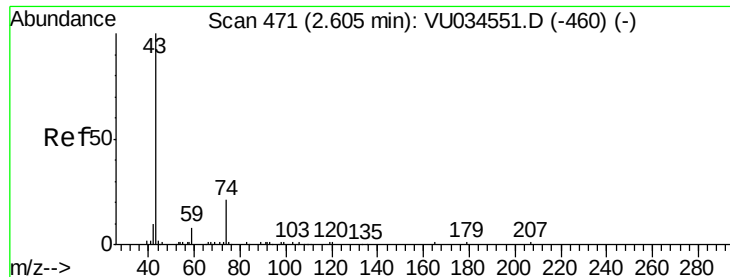
Tgt Ion: 76 Resp: 22576

Ion Ratio Lower Upper

76 100

78 10.0 8.4 12.6





#15

Methyl Acetate

Concen: 0.821 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

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ClientSampleId :

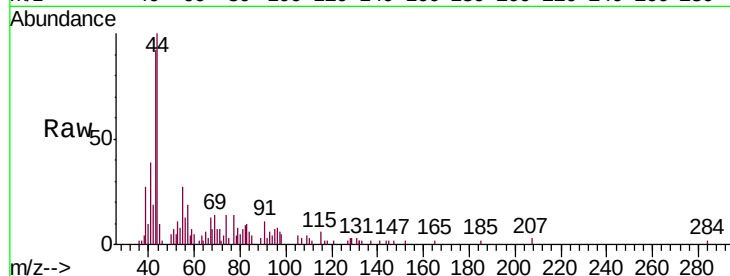
VSTD00103

Tgt Ion: 43 Resp: 7061

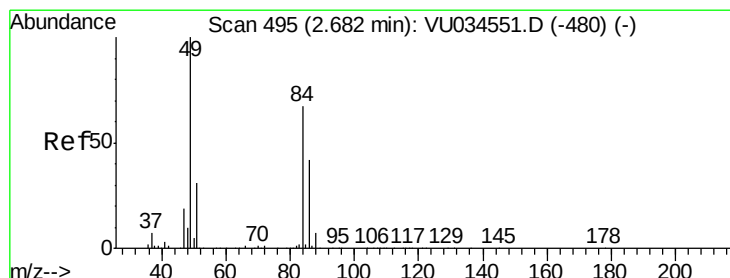
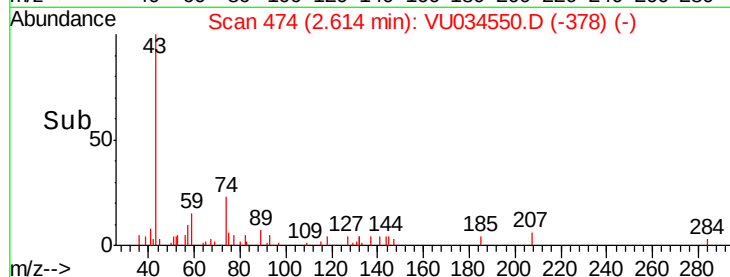
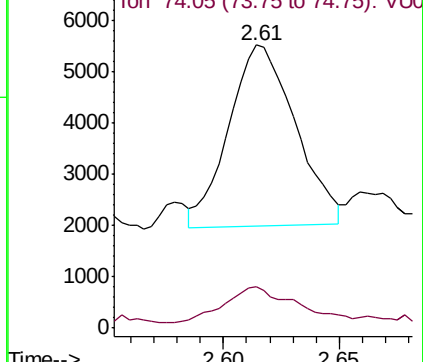
Ion Ratio Lower Upper

43 100

74 21.5 17.3 25.9



Abundance Ion 43.05 (42.75 to 43.75): VU034550.D (-378) (-)



#16

Methylene chloride

Concen: 0.749 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

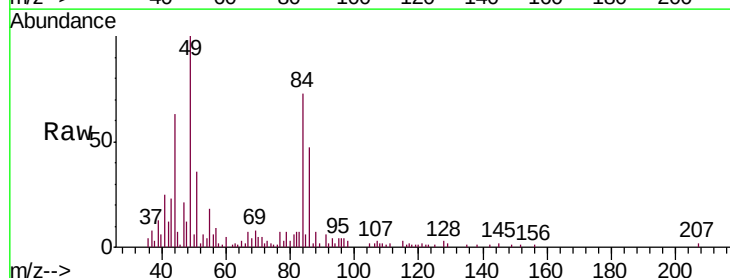
Tgt Ion: 84 Resp: 12816

Ion Ratio Lower Upper

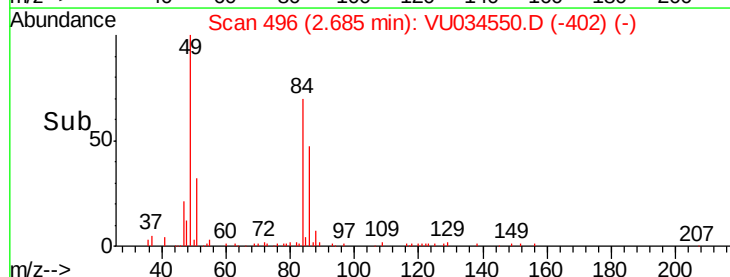
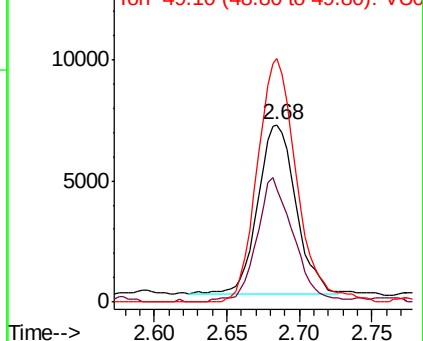
84 100

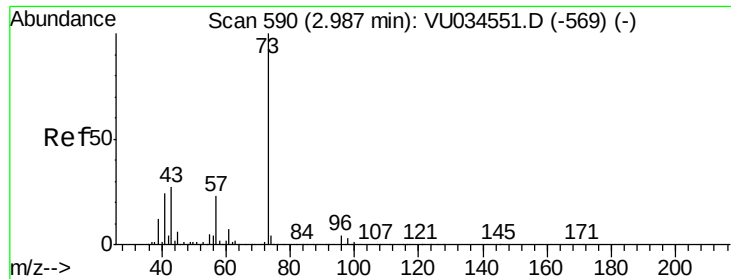
86 64.1 43.7 81.1

49 137.3 103.5 192.3



Abundance Ion 84.05 (83.75 to 84.75): VU034550.D (-402) (-)

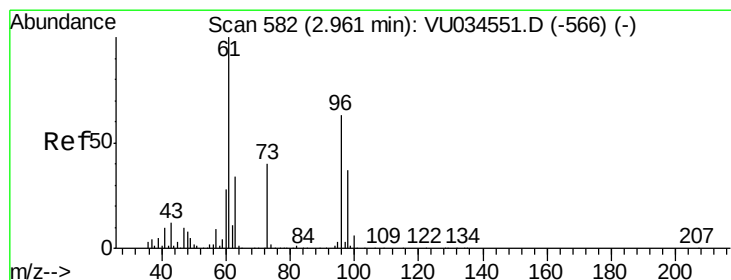
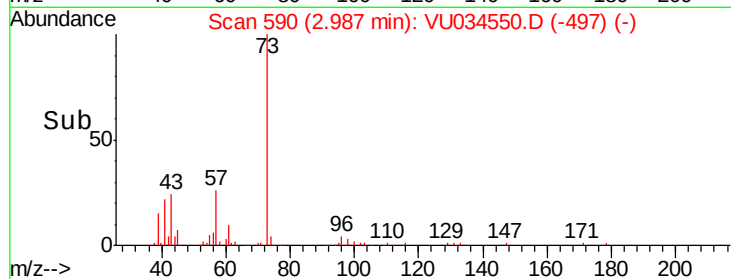
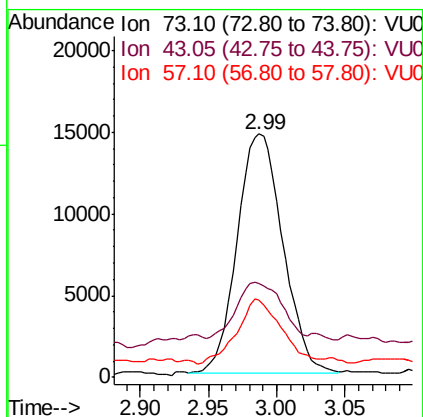
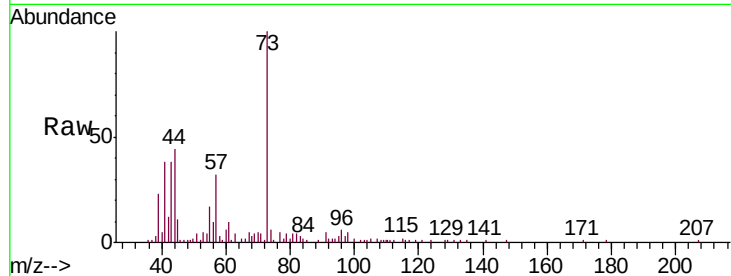




#17
Methyl tert-butyl Ether
Concen: 0.876 ug/L
RT: 2.99 min Scan# 590
Delta R.T. -0.00 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

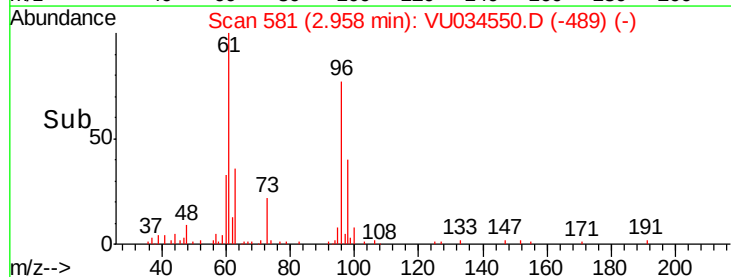
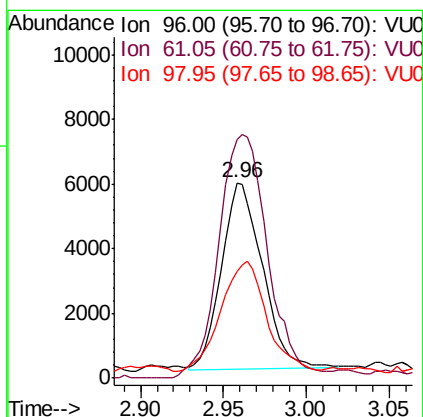
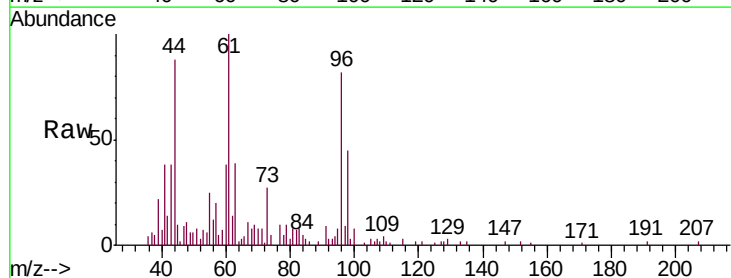
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

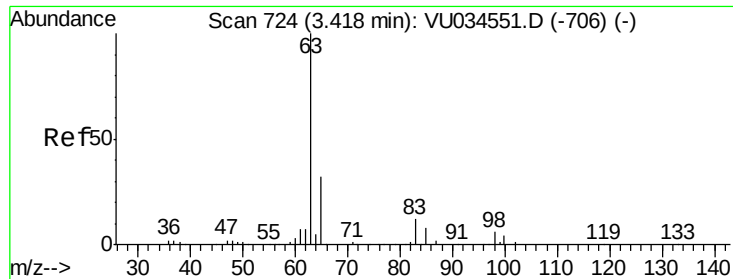
Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.3	20.9	31.3
57	26.9	18.6	27.8



#18
trans-1,2-Dichloroethene
Concen: 0.639 ug/L
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.1	109.8	203.8
98	54.3	41.6	77.2

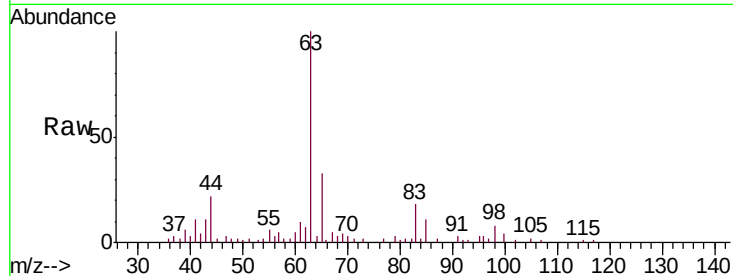




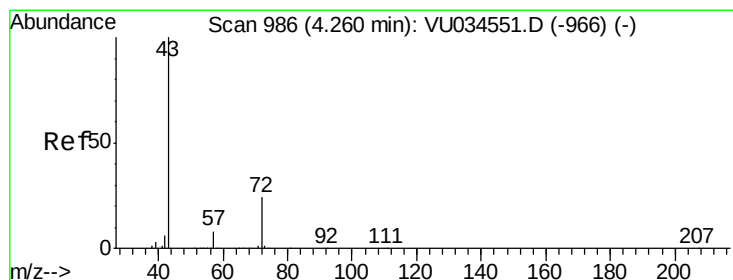
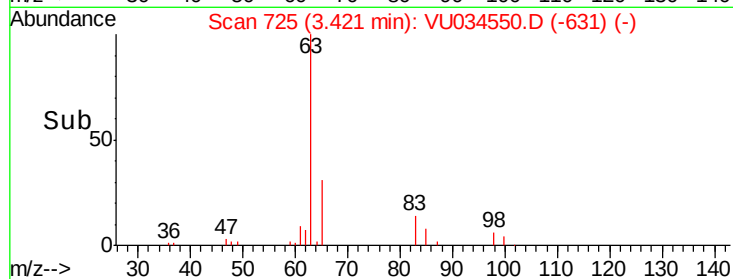
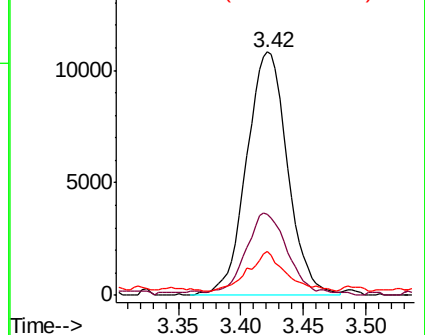
#19
 1,1-Dichloroethane
 Concen: 0.787 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.3	41.5
83	18.2	8.7	16.1

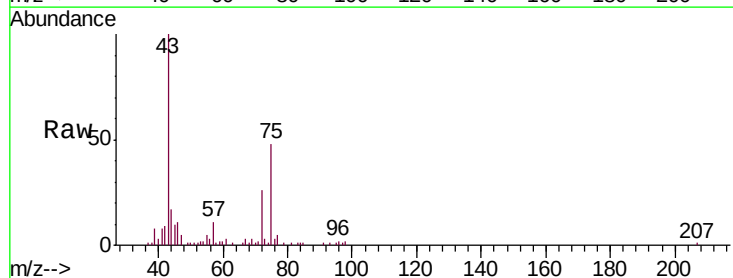


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

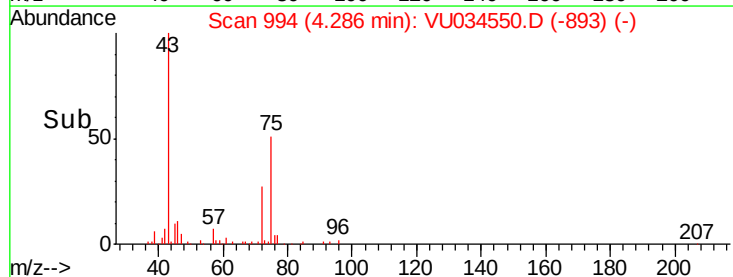
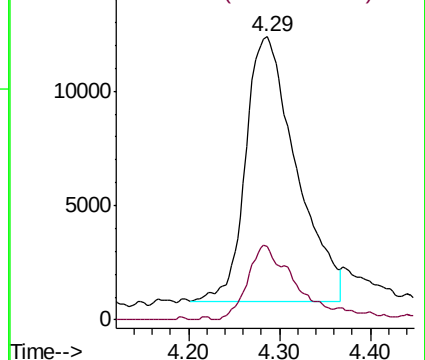


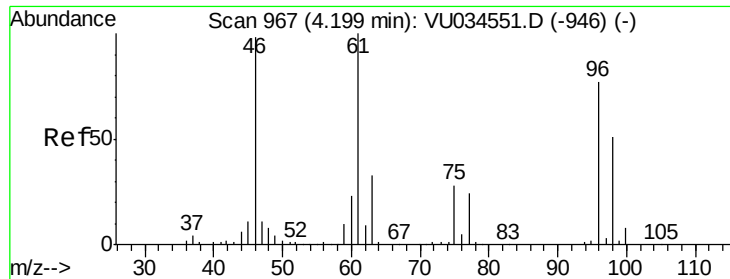
#21
 2-Butanone
 Concen: 9.531 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.6	11.9	35.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

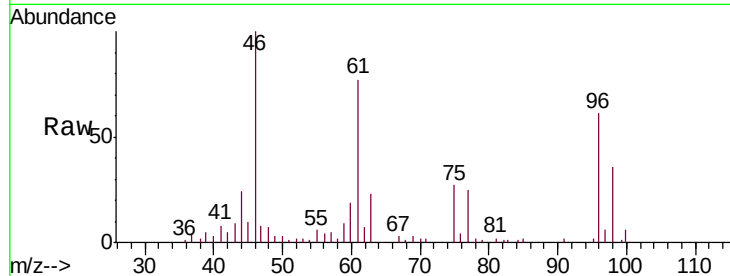




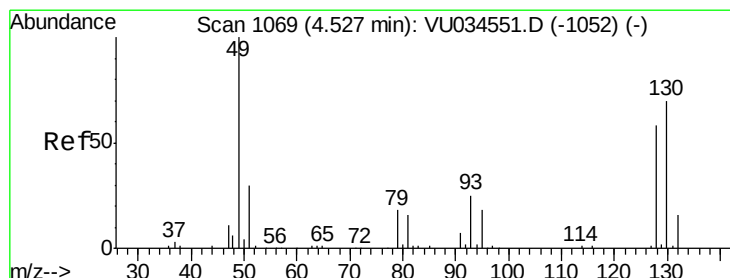
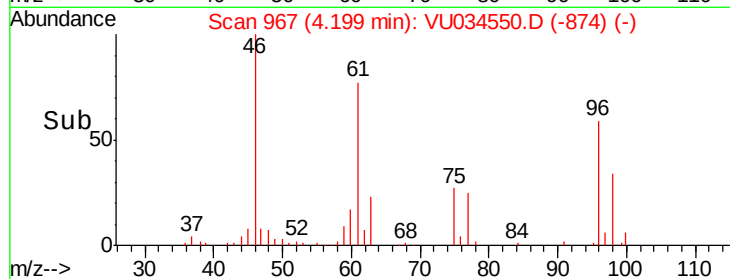
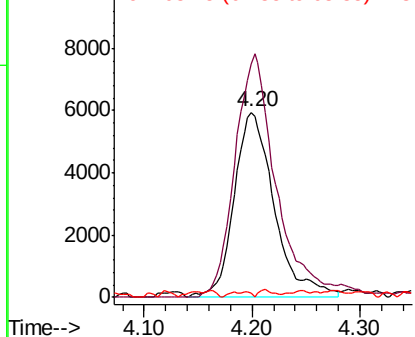
#22
 cis-1,2-Dichloroethene
 Concen: 0.923 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion: 96 Resp: 15404
 Ion Ratio Lower Upper
 96 100
 61 126.4 90.5 168.1
 68 2.1 0.0 0.0#

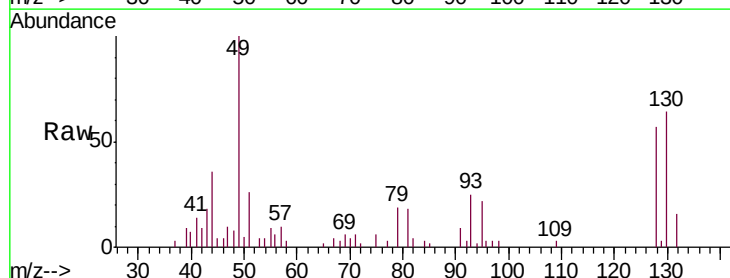


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

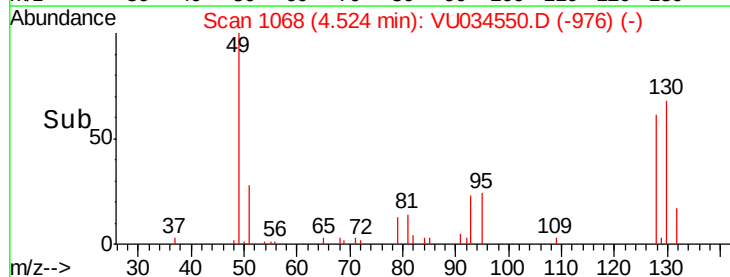
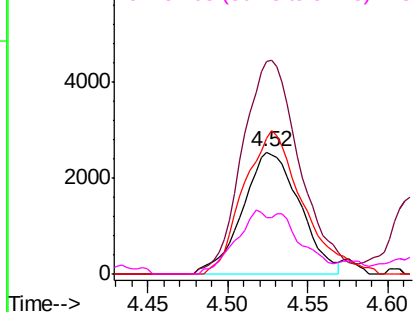


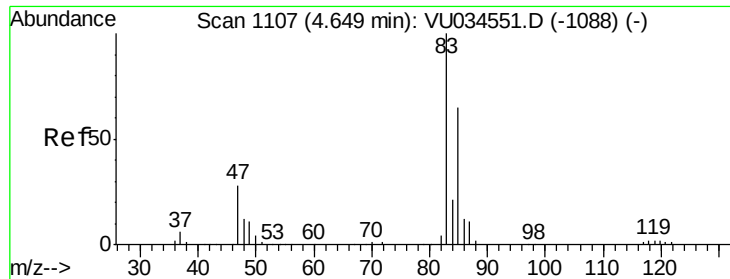
#23
 Bromochloromethane
 Concen: 0.834 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Tgt Ion: 128 Resp: 6216
 Ion Ratio Lower Upper
 128 100
 49 174.6 121.2 225.0
 130 111.4 84.4 156.7
 51 45.8 41.8 62.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

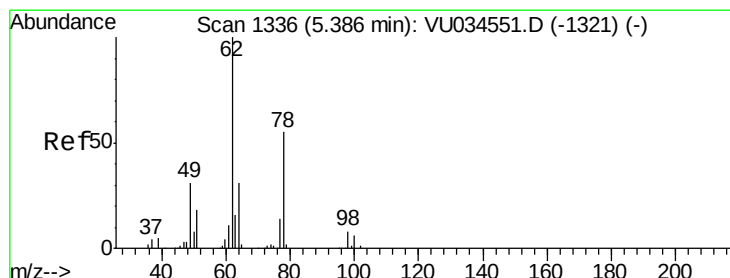
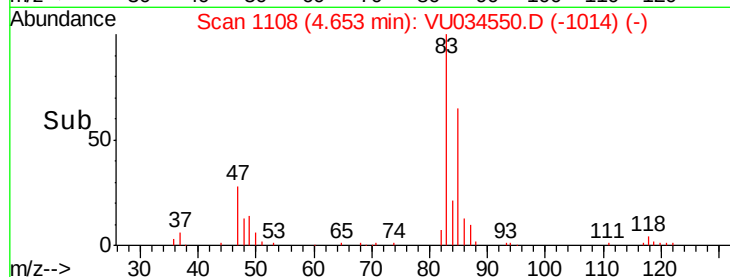
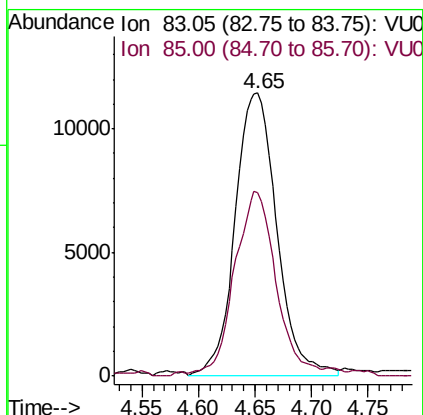
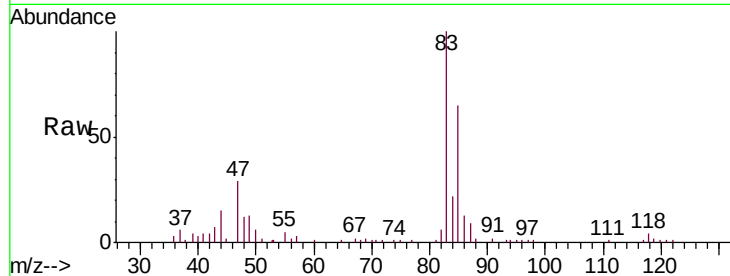




#25
Chloroform
Concen: 0.902 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

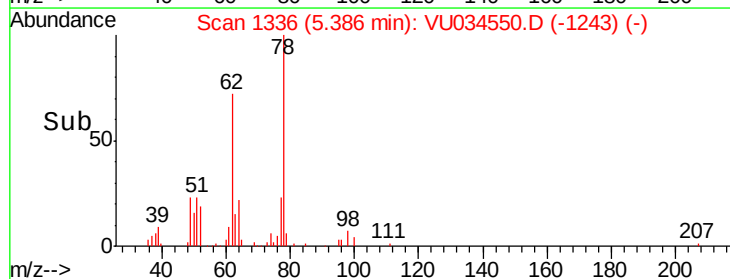
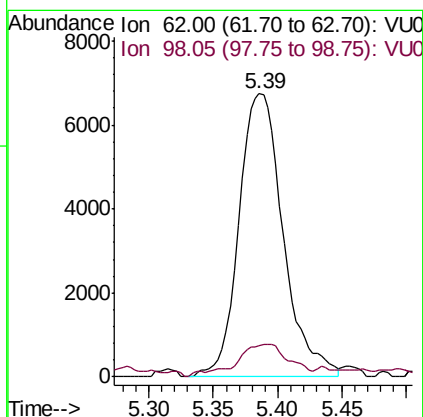
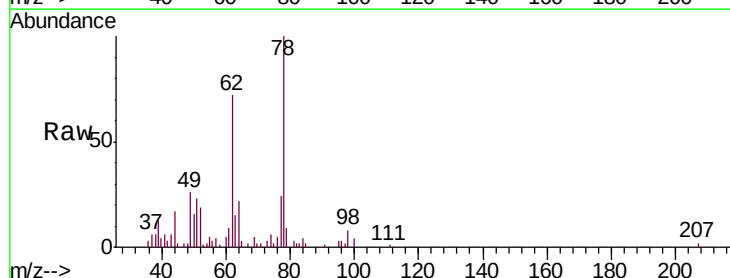
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

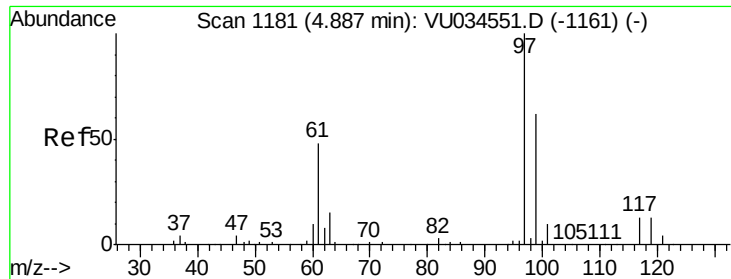
Tgt Ion: 83 Resp: 29474
Ion Ratio Lower Upper
83 100
85 64.9 45.6 84.6



#27
1,2-Dichloroethane
Concen: 0.840 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

Tgt Ion: 62 Resp: 16134
Ion Ratio Lower Upper
62 100
98 11.1 7.1 10.7#

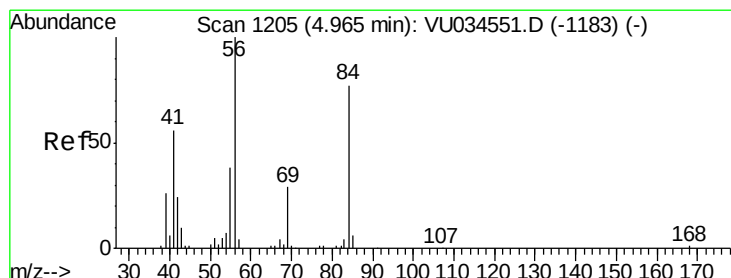
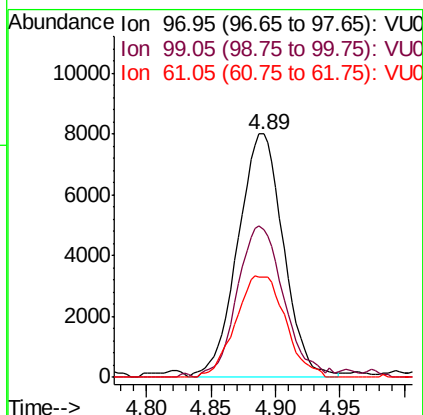
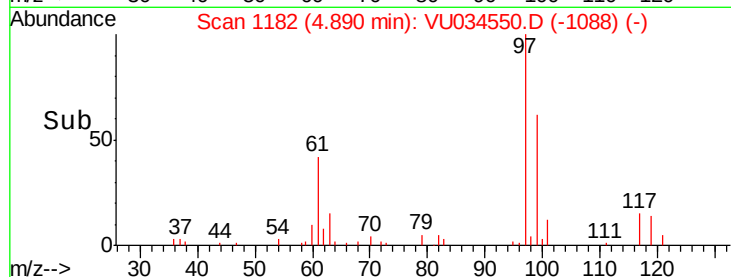
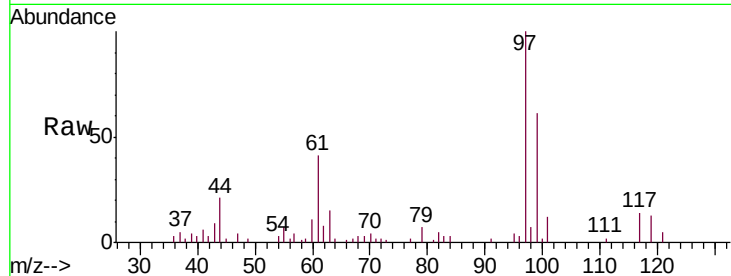




#29
 1,1,1-Trichloroethane
 Concen: 0.894 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

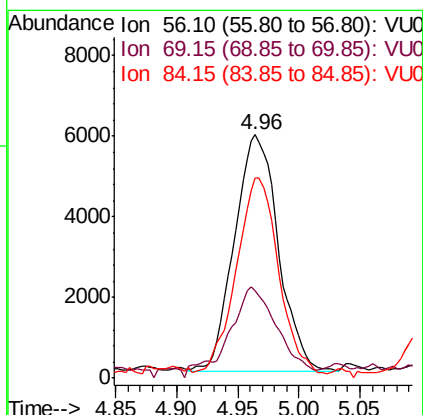
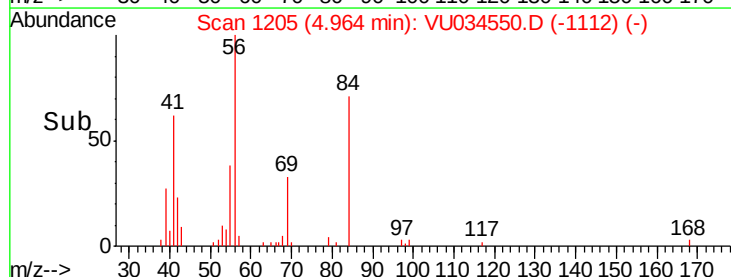
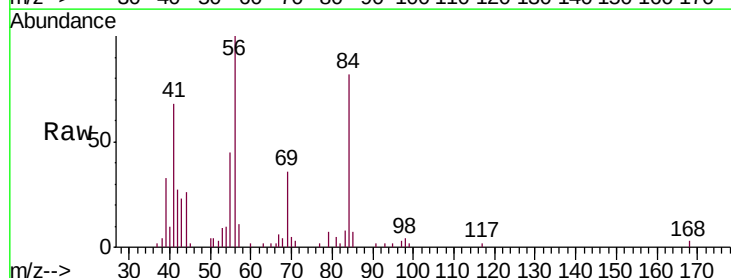
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

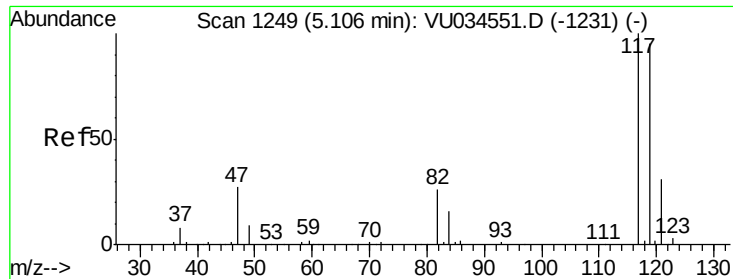
Tgt Ion: 97 Resp: 19770
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.5 77.3
 61 45.1 38.5 57.7



#30
 Cyclohexane
 Concen: 0.682 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Tgt Ion: 56 Resp: 14519
 Ion Ratio Lower Upper
 56 100
 69 43.8 25.6 38.4#
 84 81.4 66.4 99.6





#31

Carbon tetrachloride

Concen: 0.804 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

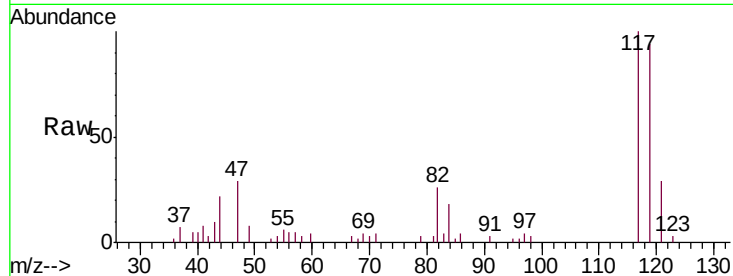
VSTD00103

Tgt Ion:117 Resp: 15469

Ion Ratio Lower Upper

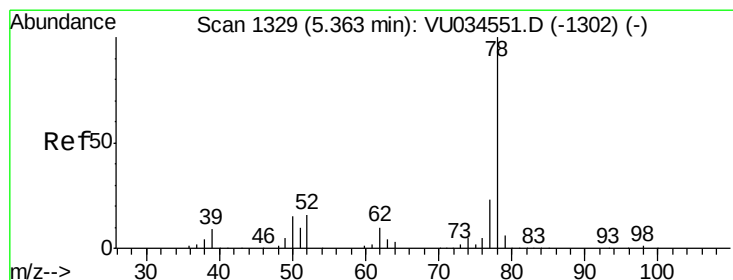
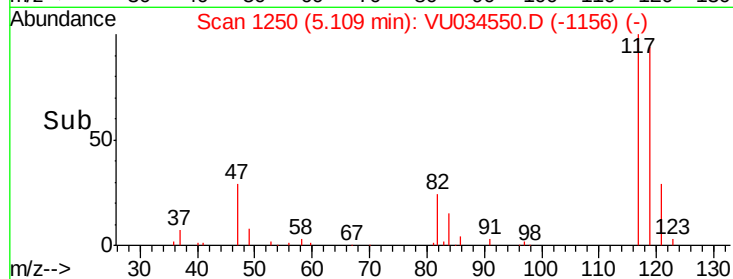
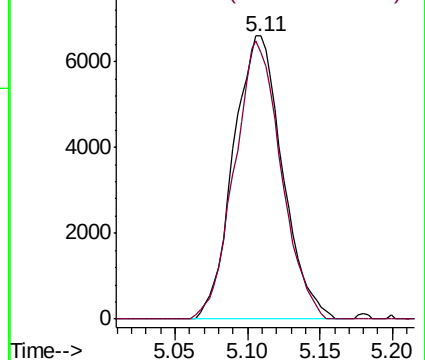
117 100

119 93.5 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.946 ug/L

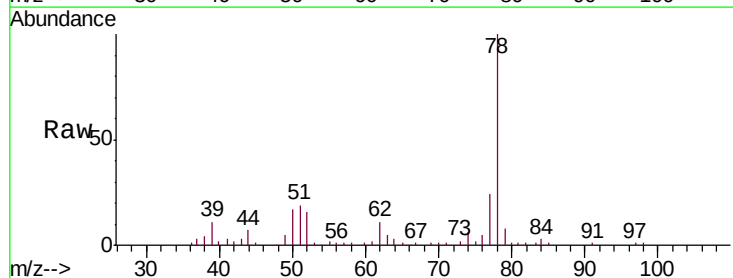
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

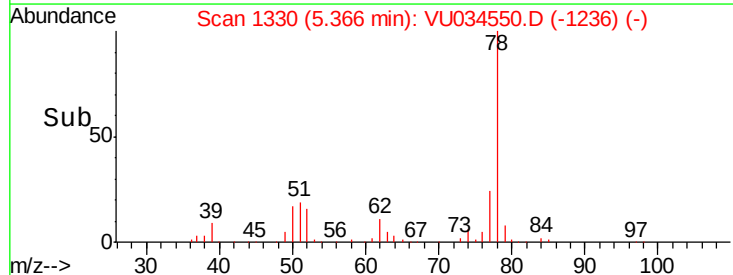
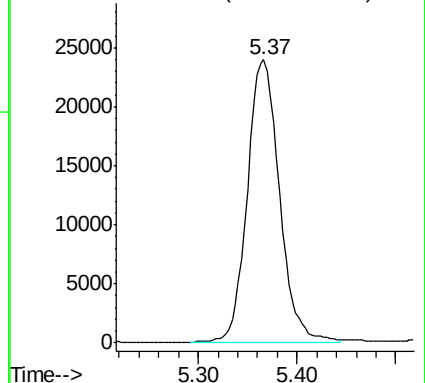
Lab File: VU034550.D

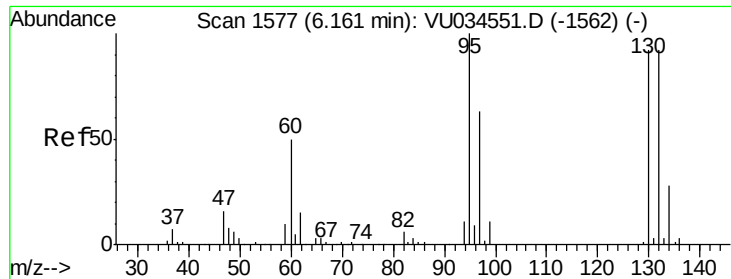
Acq: 15 Sep 2019 08:25

Tgt Ion: 78 Resp: 54264



Abundance Ion 78.10 (77.80 to 78.80): VU0

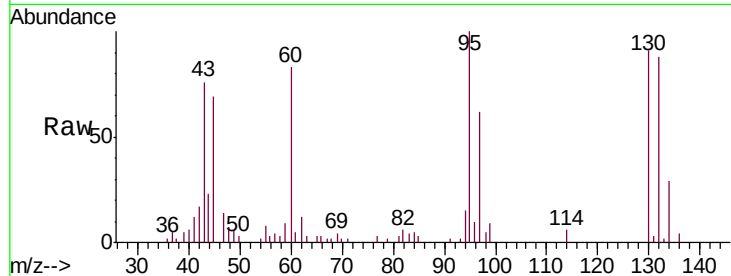




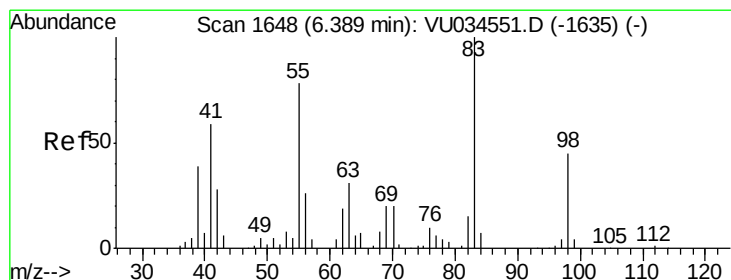
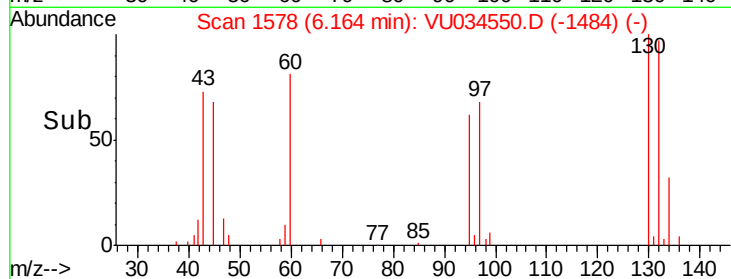
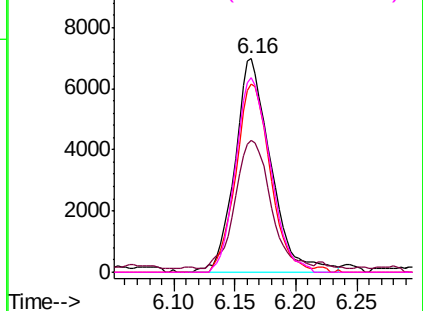
#34
 Trichloroethene
 Concen: 0.955 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion:	95	Resp:	14209
Ion	Ratio	Lower	Upper
95	100		
97	61.6	44.4	82.5
132	88.3	64.8	120.3
130	91.0	64.5	119.9

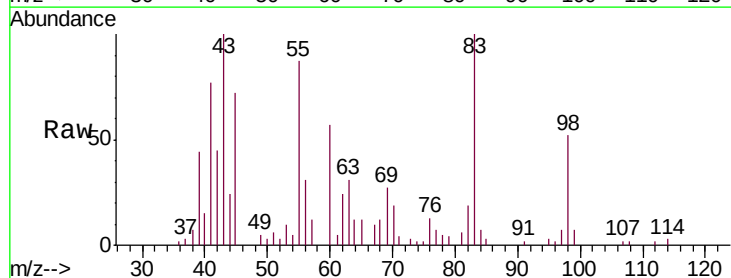


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

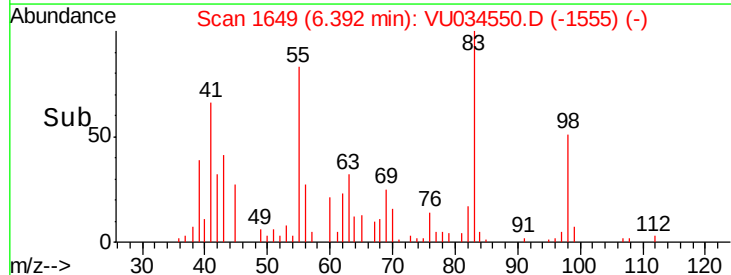
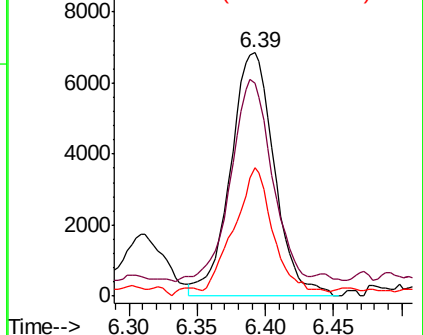


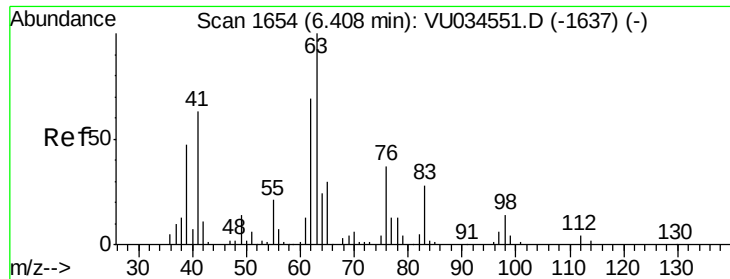
#35
 Methylcyclohexane
 Concen: 0.727 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Tgt Ion:	83	Resp:	15300
Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.6	95.4
98	45.3	38.4	57.6



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

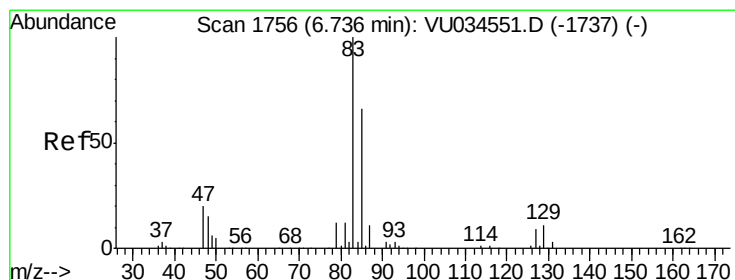
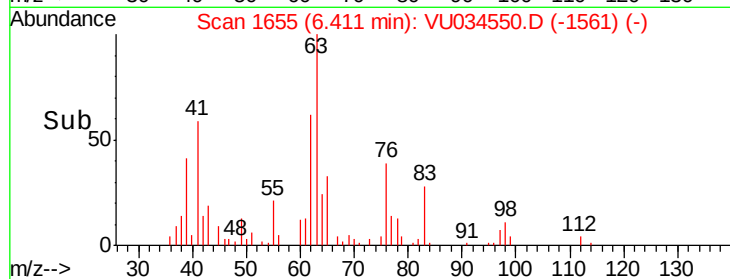
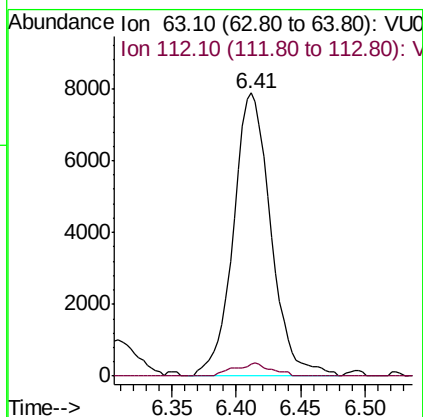
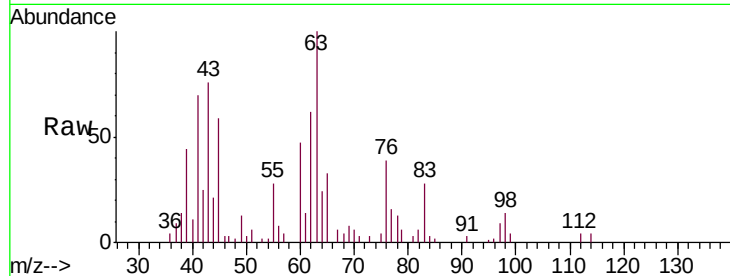




#37
 1,2-Dichloropropane
 Concen: 0.997 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

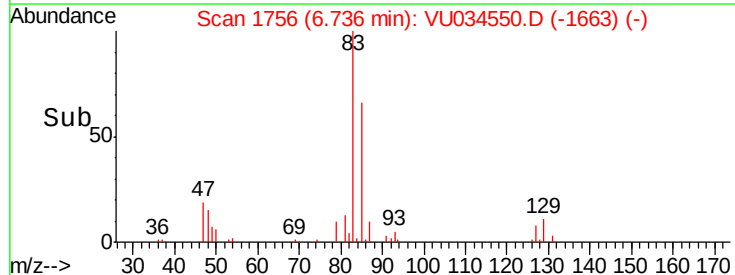
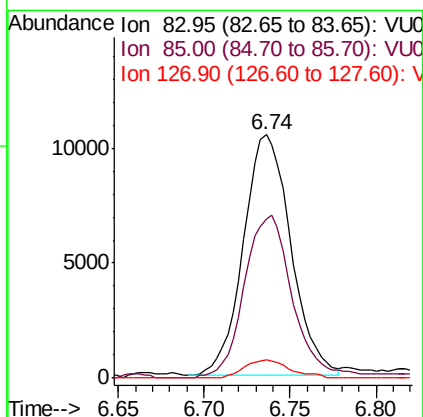
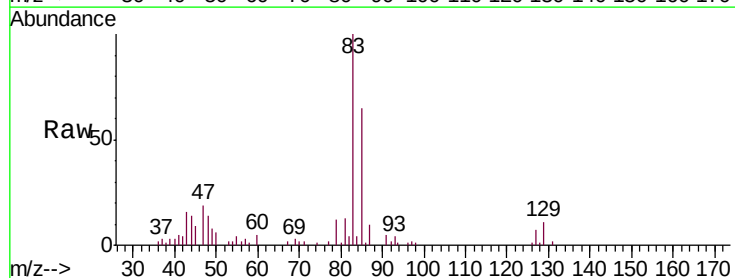
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

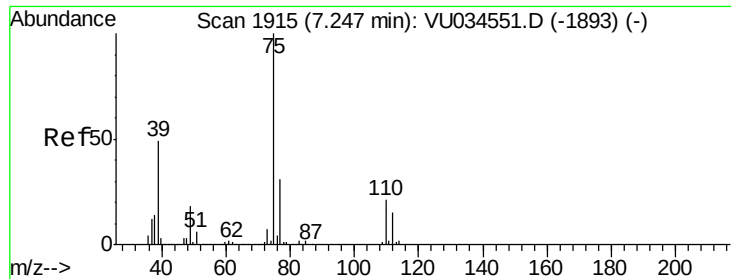
Tgt Ion: 63 Resp: 15951
 Ion Ratio Lower Upper
 63 100
 112 4.5 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 1.028 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Tgt Ion: 83 Resp: 20190
 Ion Ratio Lower Upper
 83 100
 85 65.2 46.5 86.5
 127 7.4 7.0 10.4

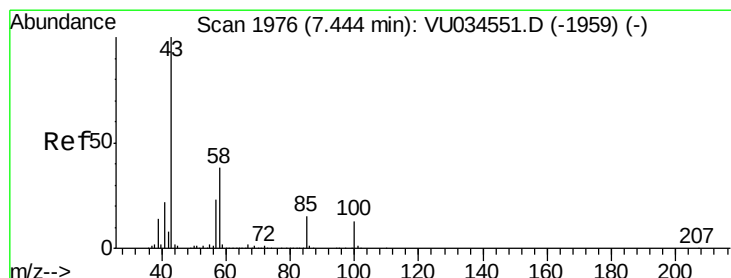
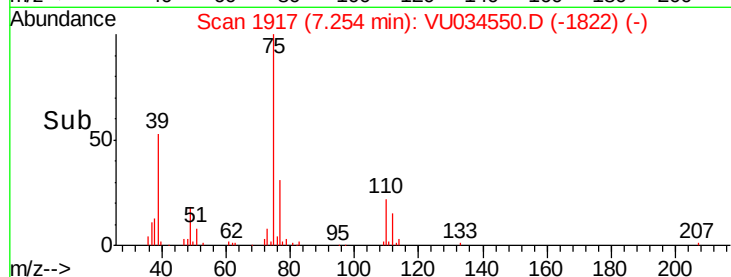
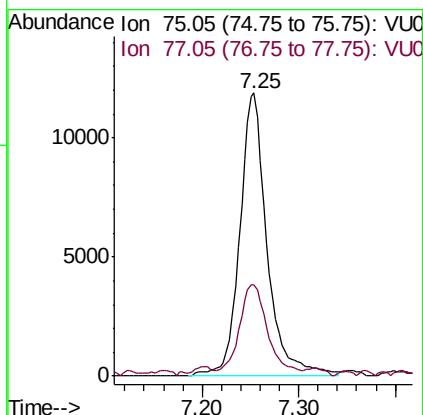
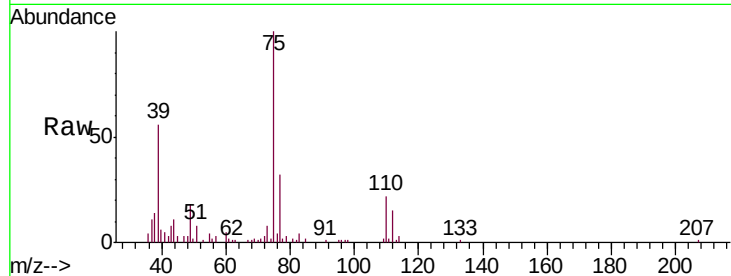




#39
 cis-1,3-Dichloropropene
 Concen: 1.081 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

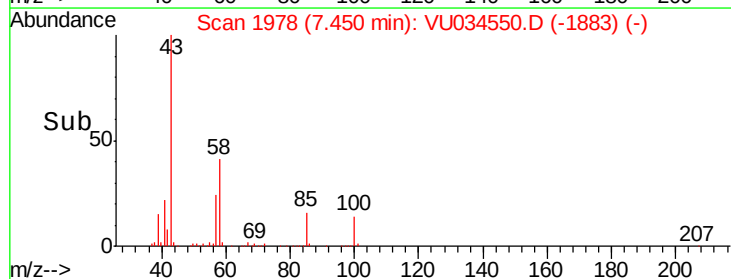
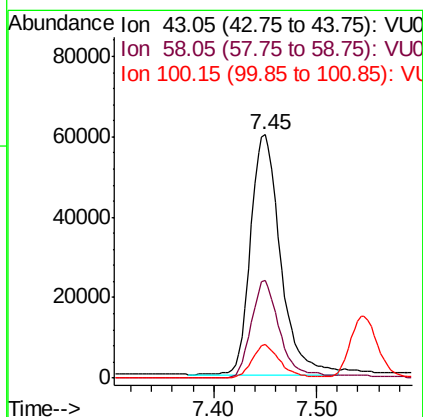
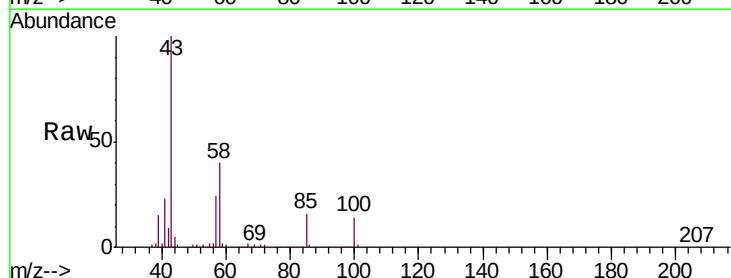
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

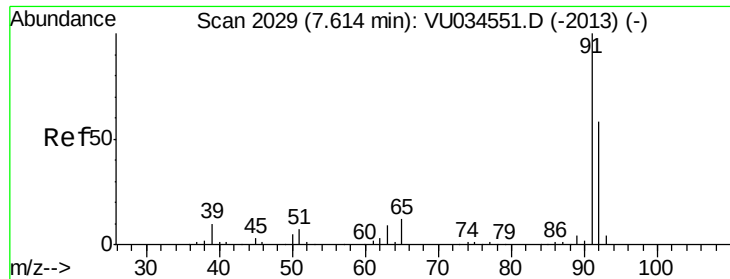
Tgt Ion: 75 Resp: 23328
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 12.082 ug/L
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.01 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Tgt Ion: 43 Resp: 120893
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.0 45.0
 100 13.1 10.5 15.7





#42

Toluene

Concen: 0.989 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

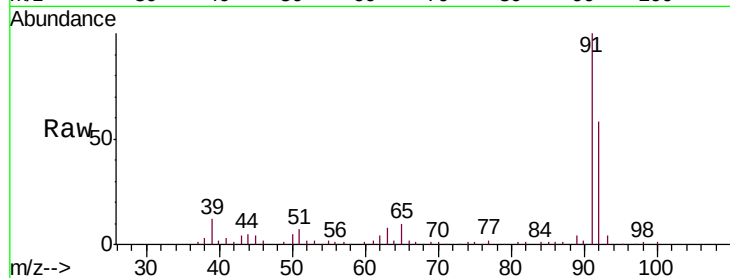
VSTD00103

Tgt Ion: 91 Resp: 57250

Ion Ratio Lower Upper

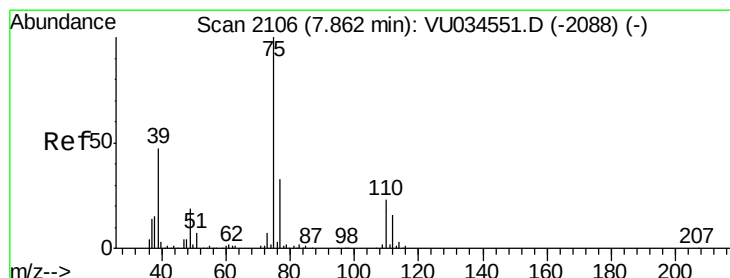
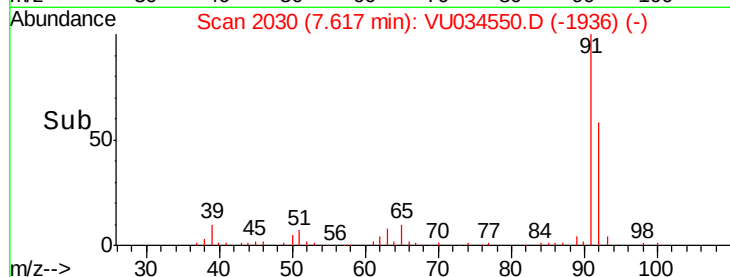
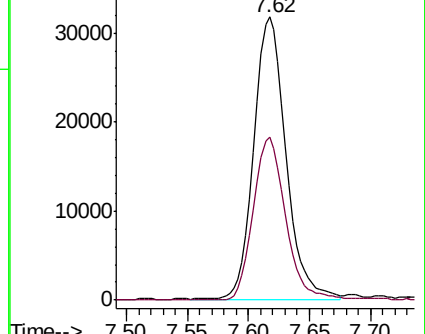
91 100

92 57.7 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU034550.D (-2030) (-)

Ion 92.15 (91.85 to 92.85): VU034550.D (-2030) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.070 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU034550.D

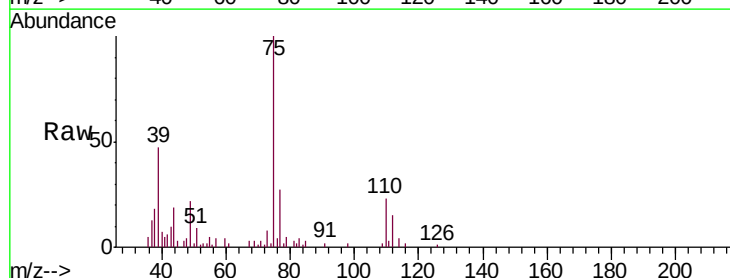
Acq: 15 Sep 2019 08:25

Tgt Ion: 75 Resp: 18725

Ion Ratio Lower Upper

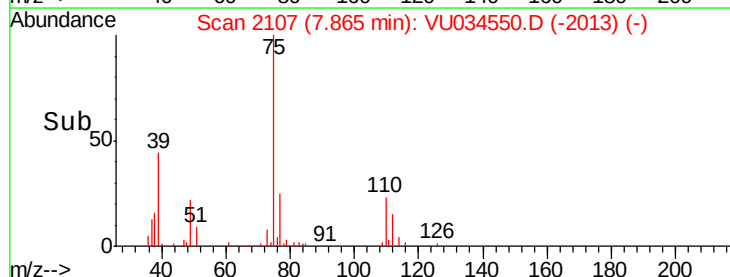
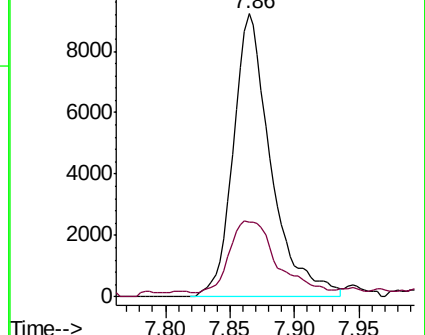
75 100

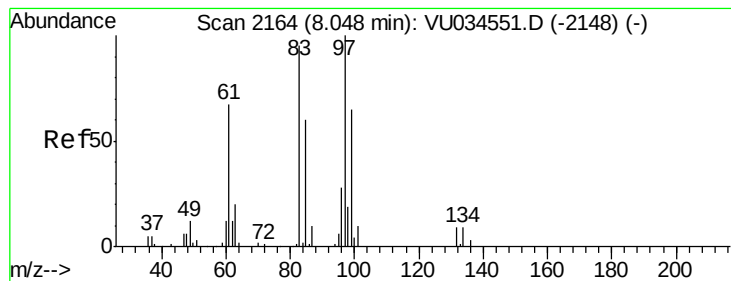
77 26.5 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU034550.D (-2107) (-)

Ion 77.05 (76.75 to 77.75): VU034550.D (-2107) (-)





#45

1,1,2-Trichloroethane

Concen: 0.999 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tgt Ion: 97 Resp: 10816

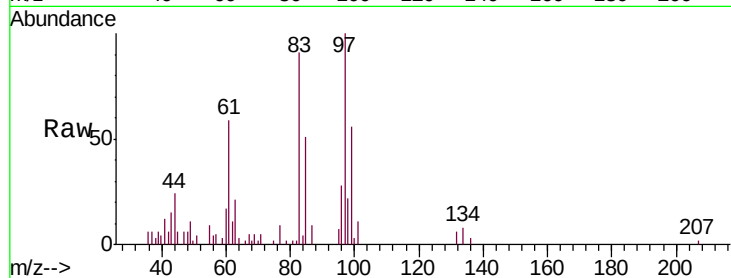
Ion Ratio Lower Upper

97 100

99 56.1 45.5 84.5

83 90.5 66.8 124.2

85 51.5 42.6 79.0



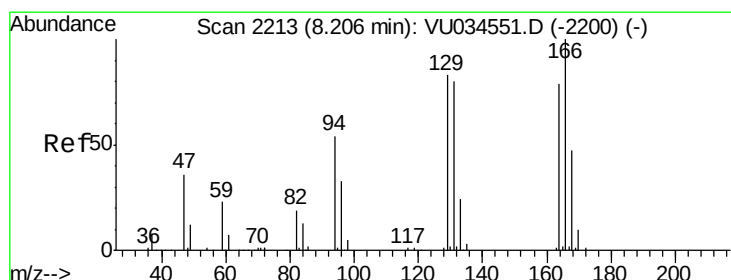
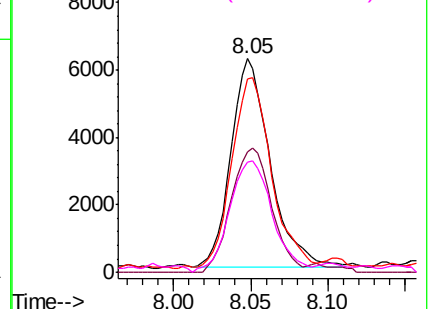
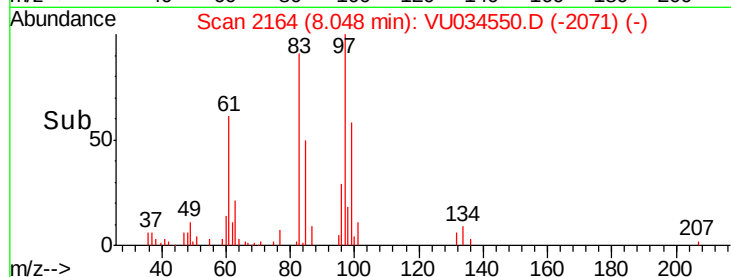
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 0.757 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Tgt Ion: 164 Resp: 8461

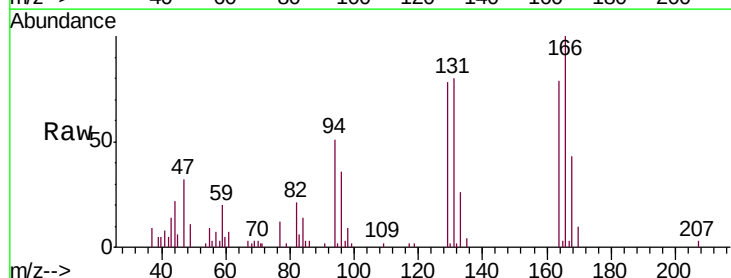
Ion Ratio Lower Upper

164 100

129 99.5 73.7 136.9

131 102.3 71.5 132.7

166 127.2 89.1 165.5



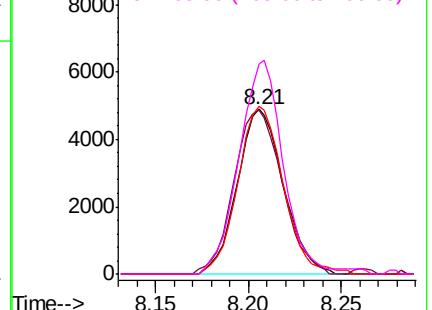
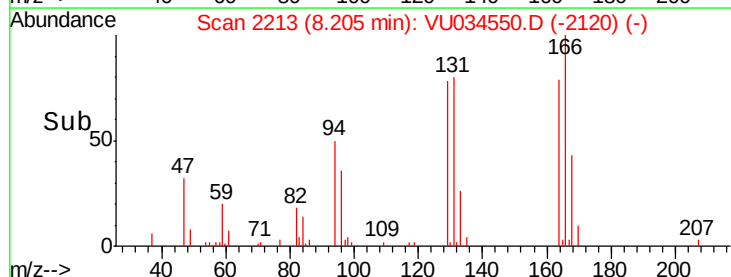
Abundance

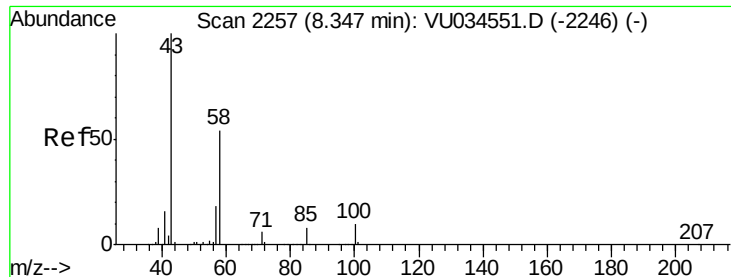
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

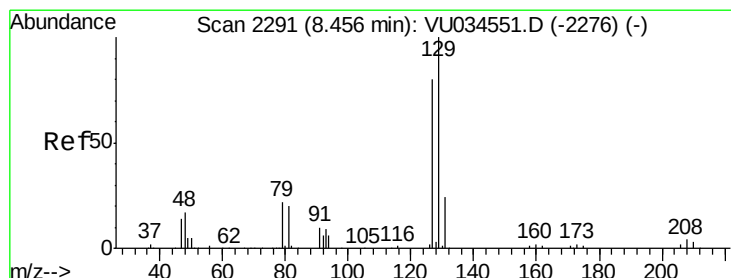
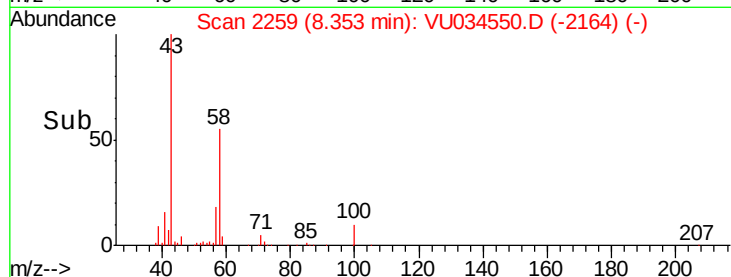
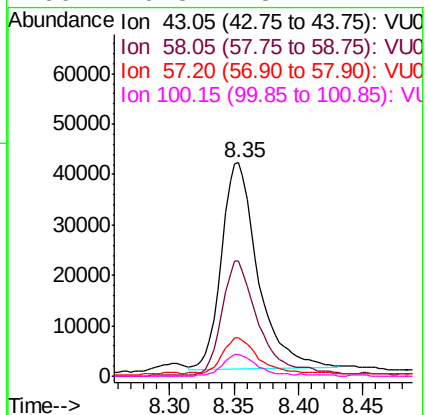
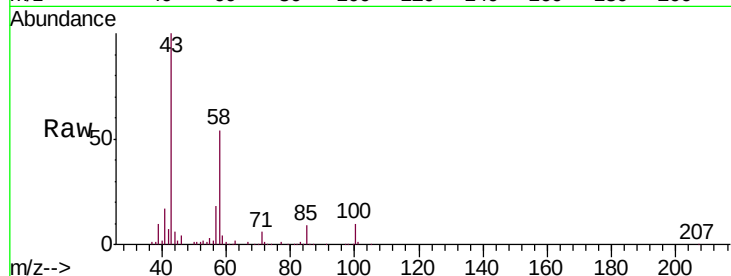




#48
2-Hexanone
Concen: 11.547 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

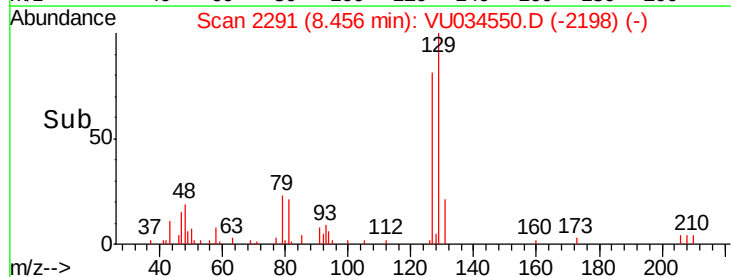
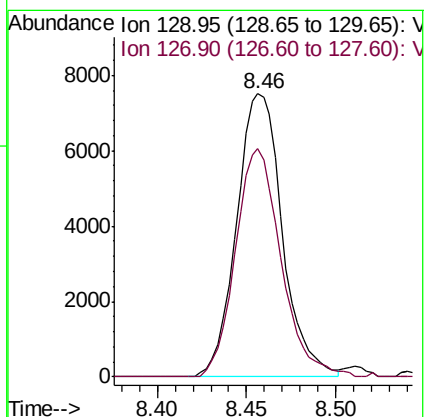
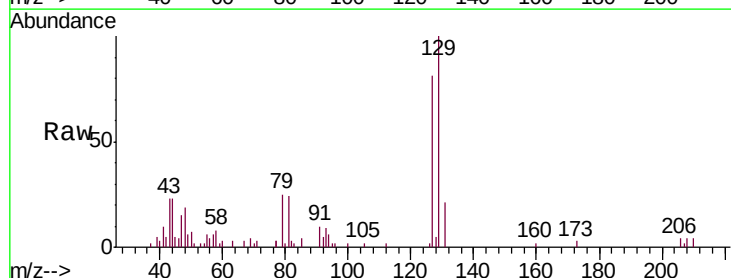
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

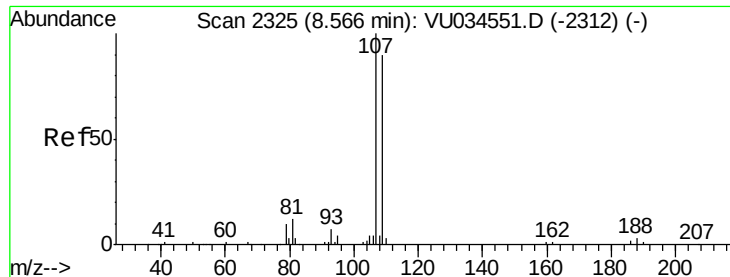
Tgt Ion:	43	Resp:	80129
Ion	Ratio	Lower	Upper
43	100		
58	55.6	43.3	64.9
57	17.9	14.0	21.0
100	10.3	8.2	12.2



#49
Dibromochloromethane
Concen: 1.042 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

Tgt Ion:	129	Resp:	13430
Ion	Ratio	Lower	Upper
129	100		
127	80.5	56.2	104.4

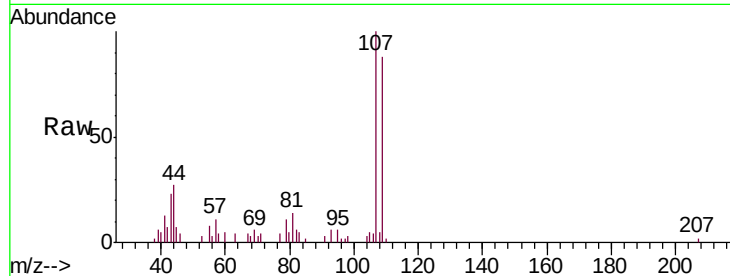




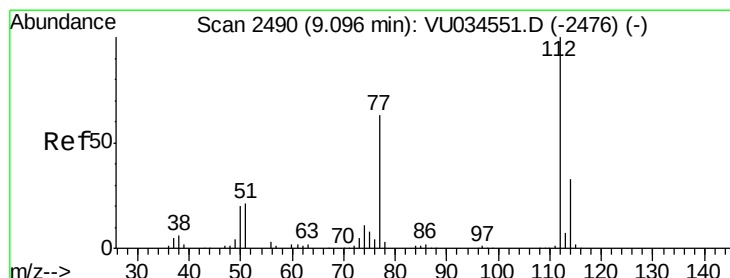
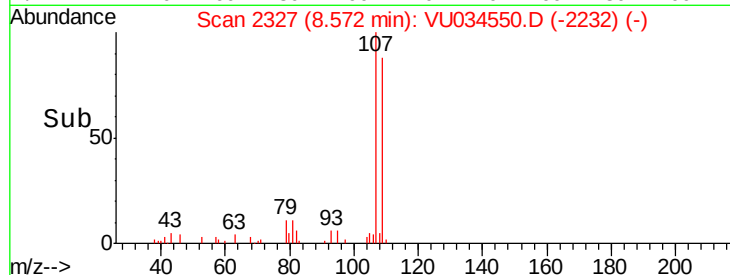
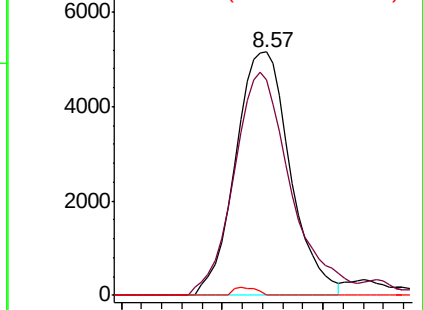
#50
1,2-Dibromoethane
Concen: 0.952 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:107 Resp: 9784
Ion Ratio Lower Upper
107 100
109 88.4 63.6 118.0
188 0.0 2.5 3.7#

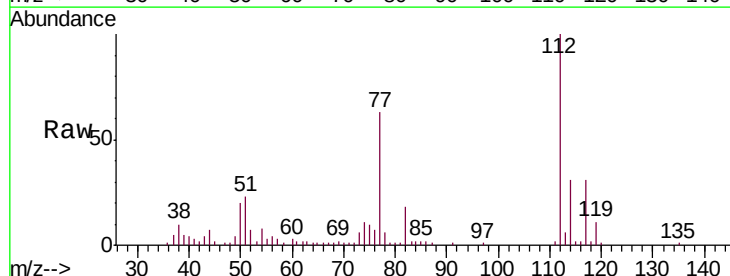


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

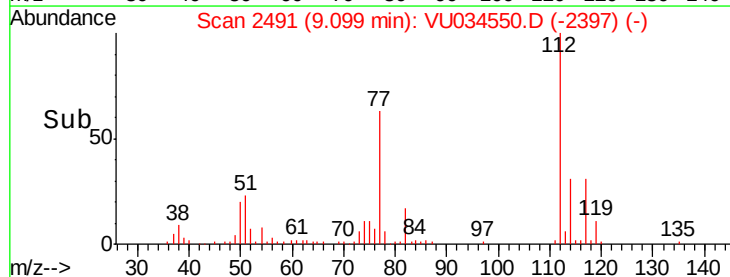
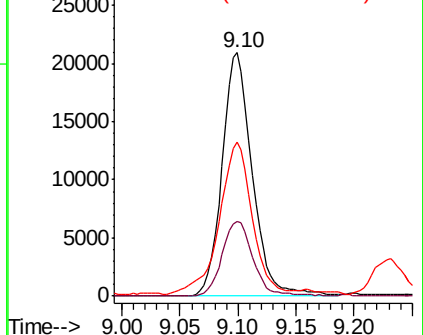


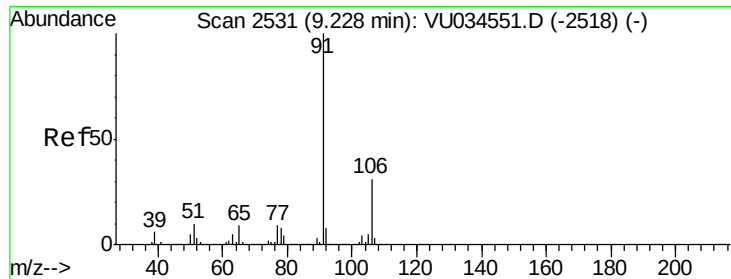
#51
Chlorobenzene
Concen: 0.984 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

Tgt Ion:112 Resp: 37687
Ion Ratio Lower Upper
112 100
114 30.8 22.9 42.5
77 63.0 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 1.060 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

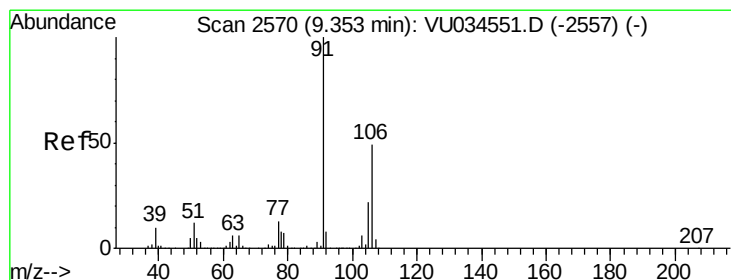
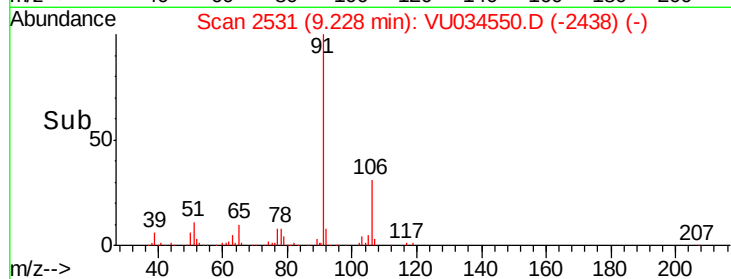
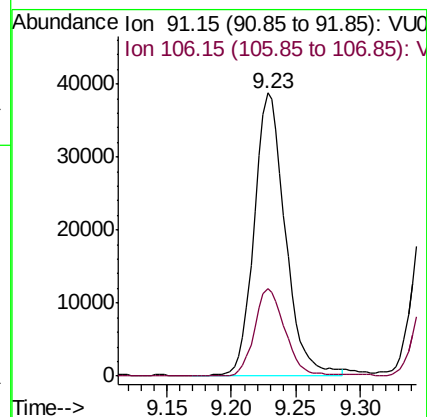
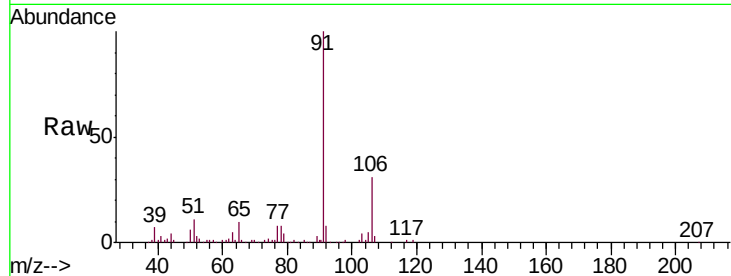
VSTD00103

Tgt Ion: 91 Resp: 65416

Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



#53

m,p-Xylene

Concen: 1.044 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034550.D

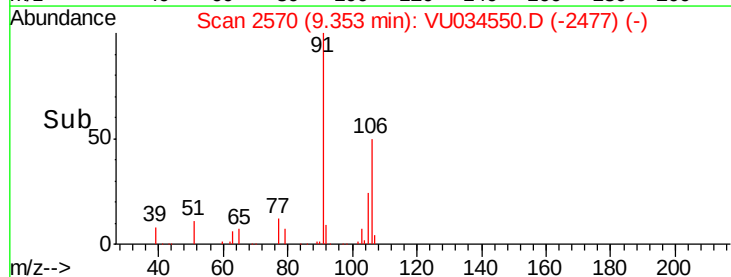
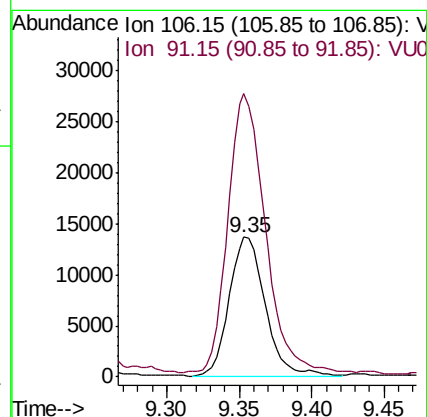
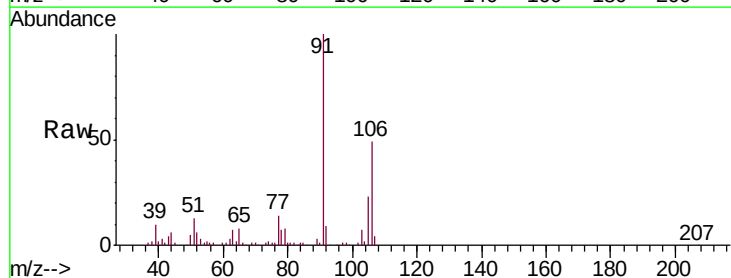
Acq: 15 Sep 2019 08:25

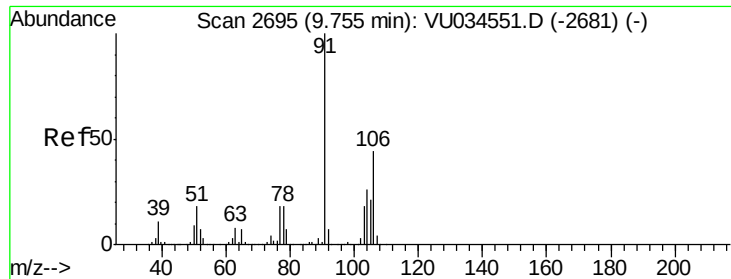
Tgt Ion: 106 Resp: 23956

Ion Ratio Lower Upper

106 100

91 202.9 144.3 267.9

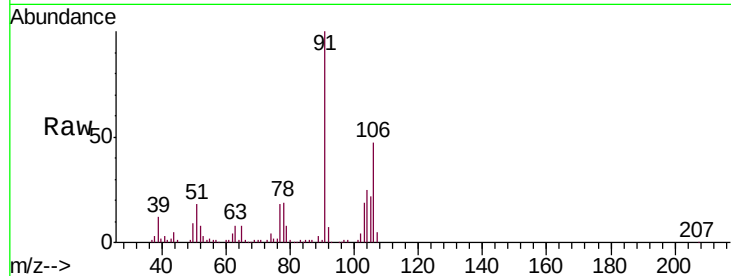




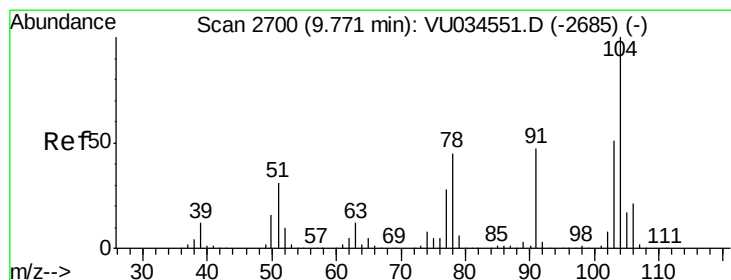
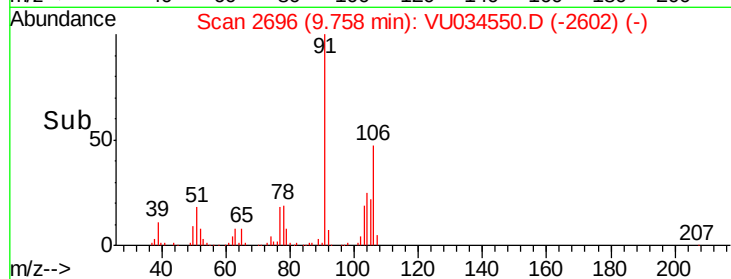
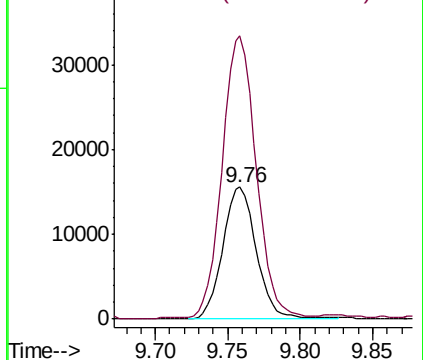
#54
o-Xylene
Concen: 1.148 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:106 Resp: 25112
Ion Ratio Lower Upper
106 100
91 214.2 158.7 294.7

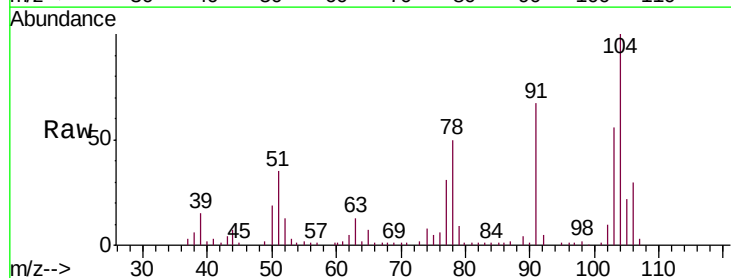


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

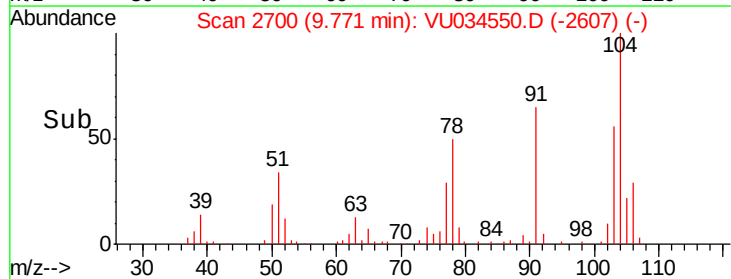
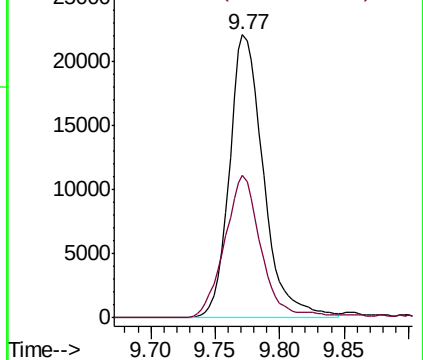


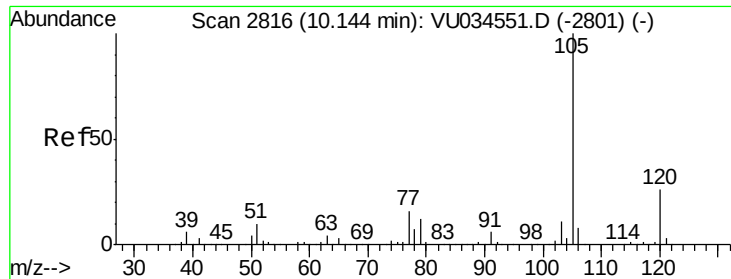
#55
Styrene
Concen: 1.079 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034550.D
Acq: 15 Sep 2019 08:25

Tgt Ion:104 Resp: 40573
Ion Ratio Lower Upper
104 100
78 50.4 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 1.072 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

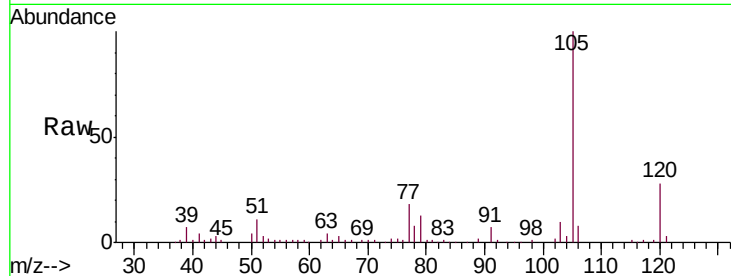
Tgt Ion:105 Resp: 62121

Ion Ratio Lower Upper

105 100

120 27.1 20.6 31.0

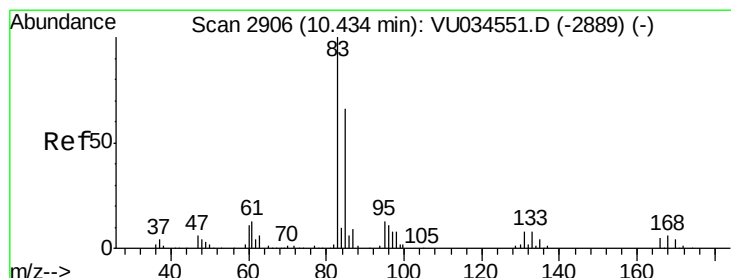
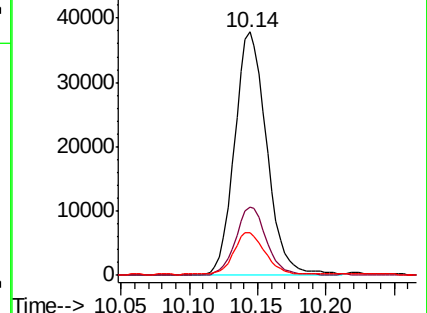
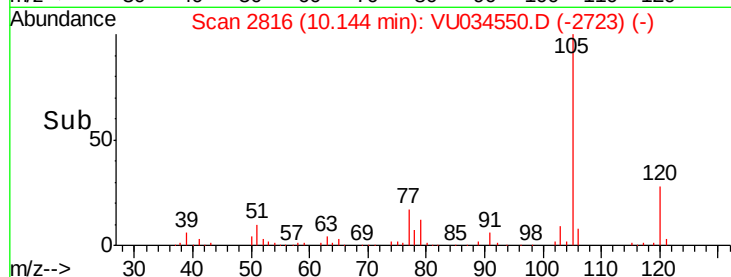
77 16.6 13.4 20.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.141 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

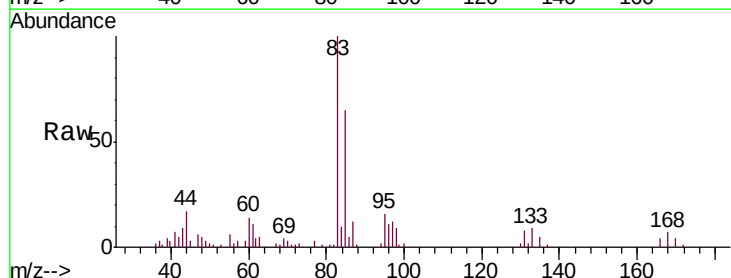
Tgt Ion: 83 Resp: 16503

Ion Ratio Lower Upper

83 100

85 65.4 46.2 85.8

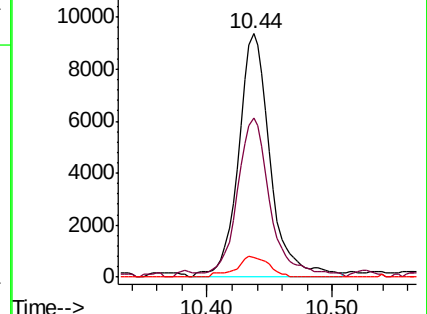
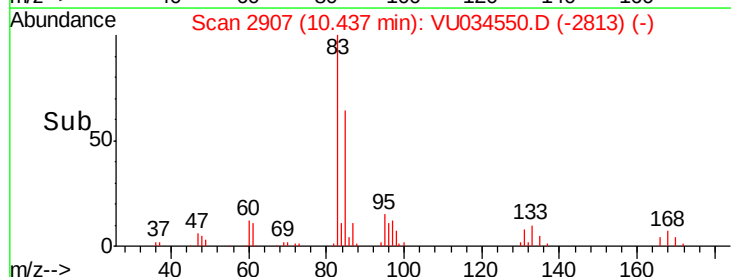
131 8.2 6.4 9.6

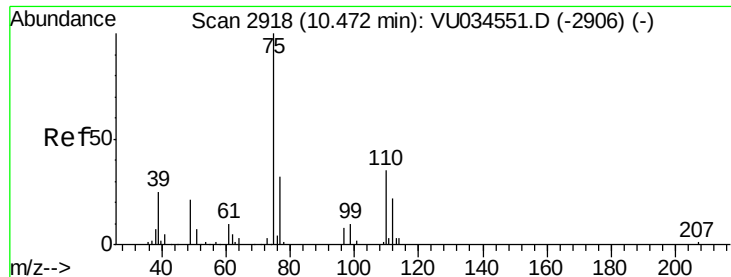


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

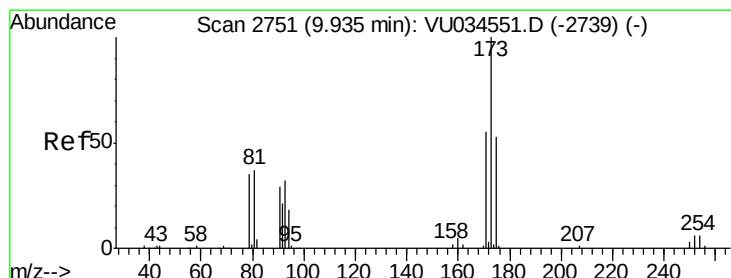
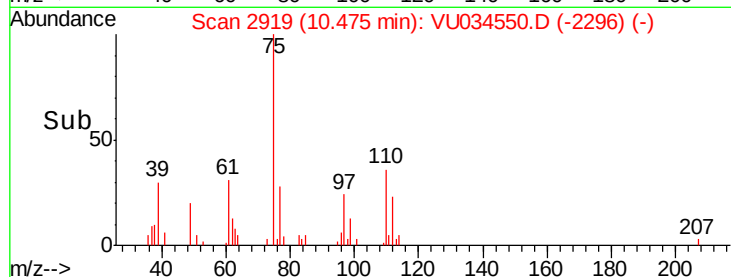
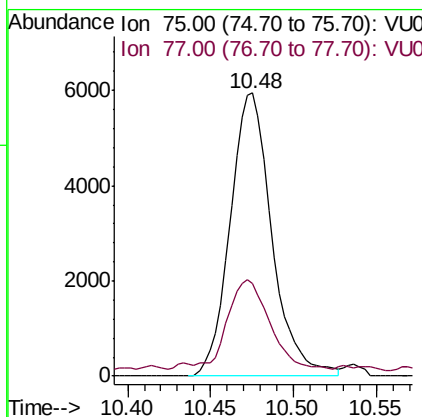
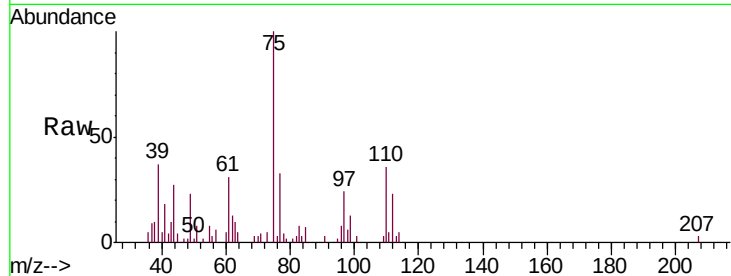




#59
 1,2,3-Trichloropropane
 Concen: 1.016 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

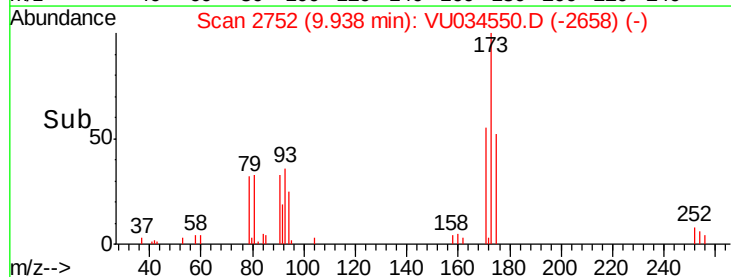
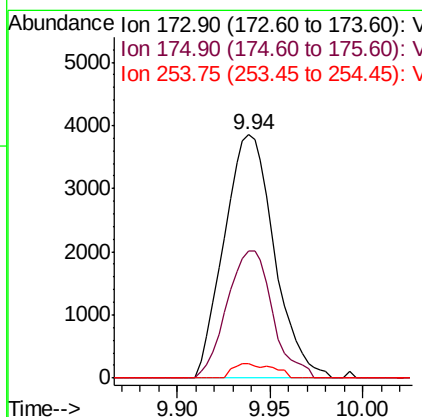
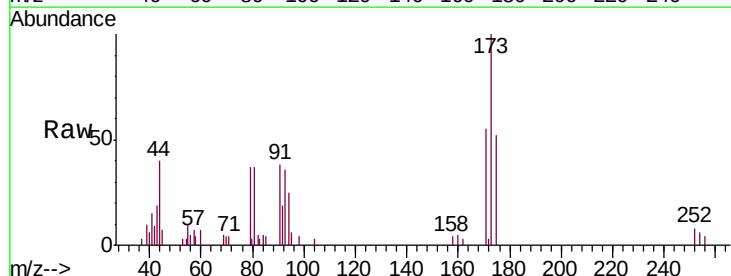
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

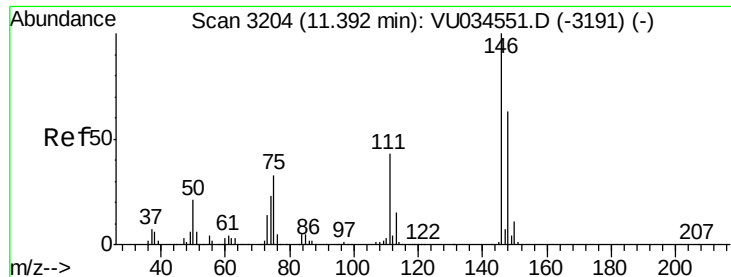
Tgt Ion: 75 Resp: 10411
 Ion Ratio Lower Upper
 75 100
 77 31.0 27.3 40.9



#61
 Bromoform
 Concen: 1.049 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Tgt Ion: 173 Resp: 7212
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.8 59.6
 254 4.7 5.2 7.8#





#62

1,3-Dichlorobenzene

Concen: 1.037 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

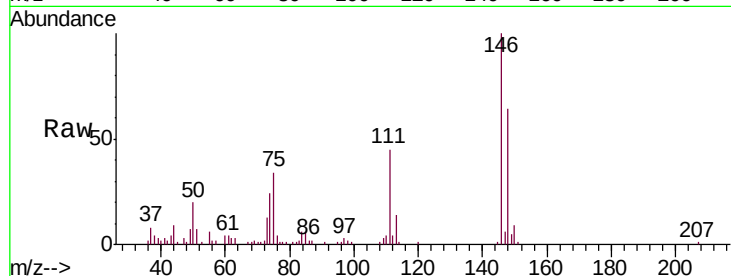
Tgt Ion:146 Resp: 29296

Ion Ratio Lower Upper

146 100

111 44.7 30.3 56.3

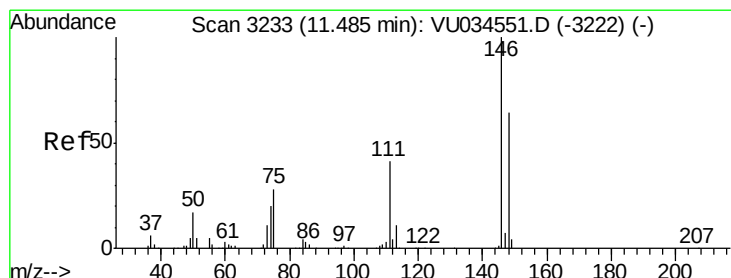
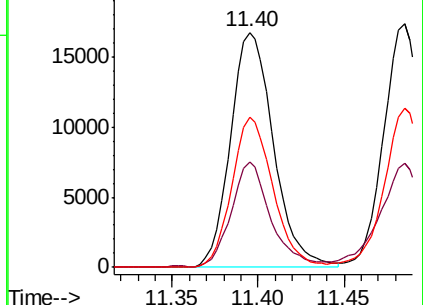
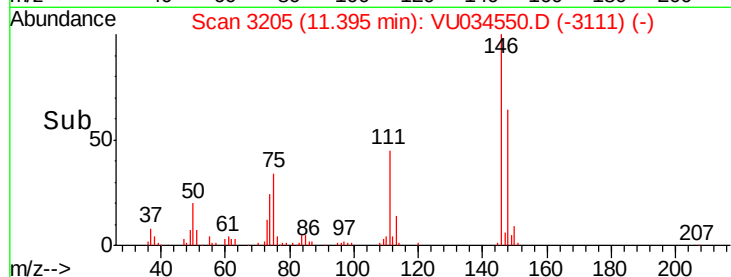
148 63.9 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.035 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

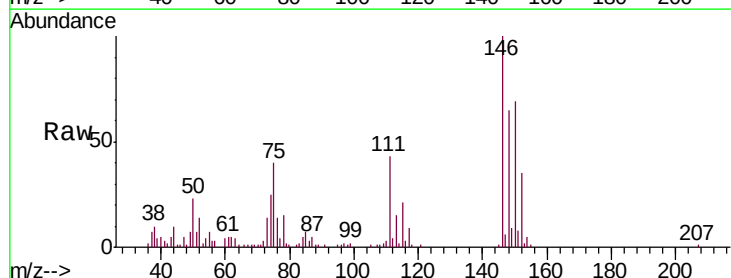
Tgt Ion:146 Resp: 30269

Ion Ratio Lower Upper

146 100

111 43.0 29.2 54.2

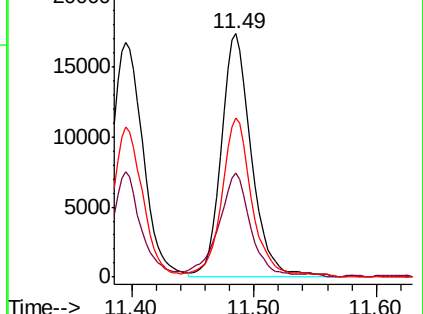
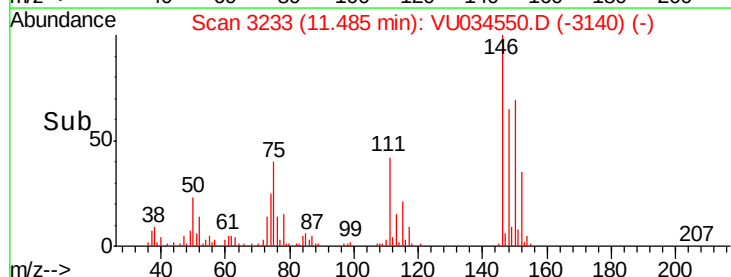
148 65.3 44.5 82.7

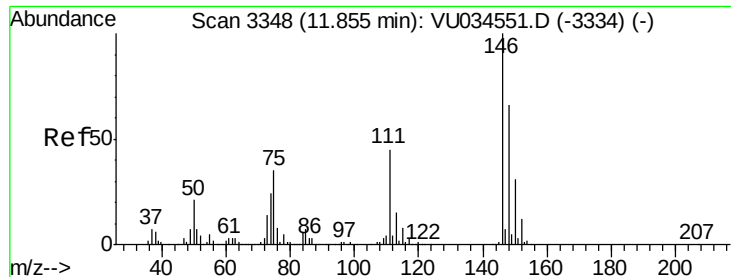


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

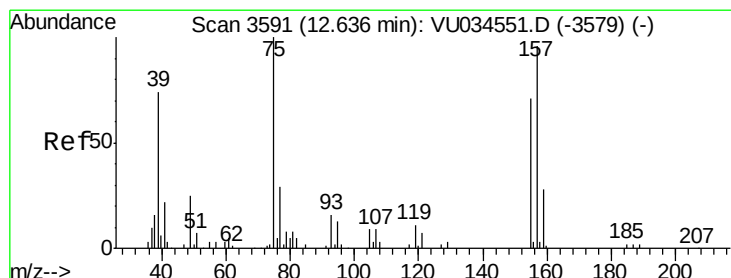
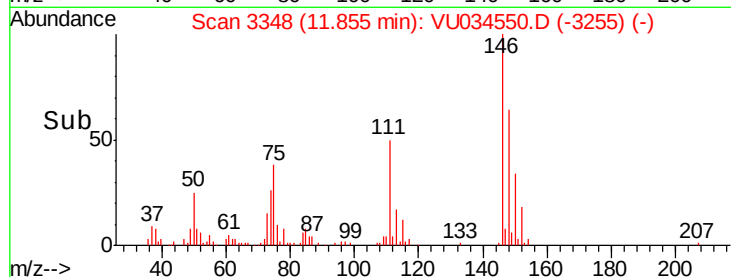
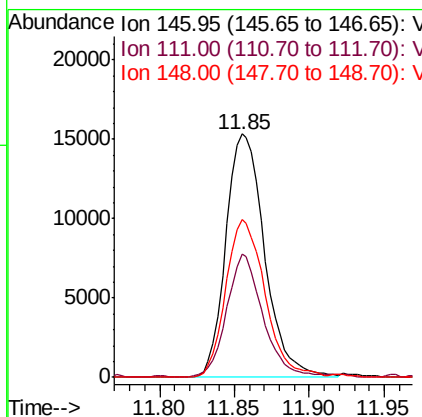
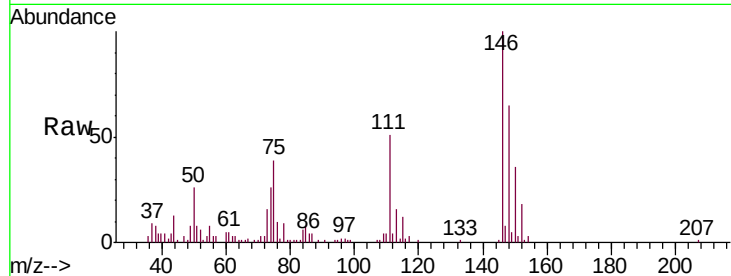




#65
 1,2-Dichlorobenzene
 Concen: 1.017 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

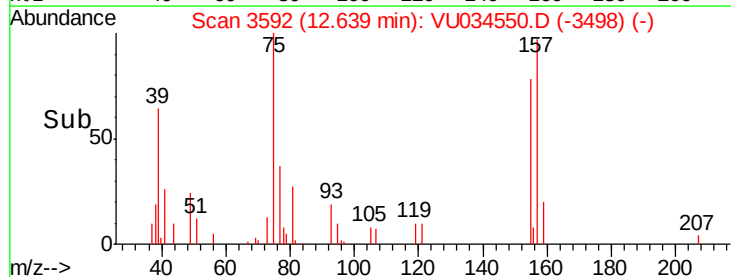
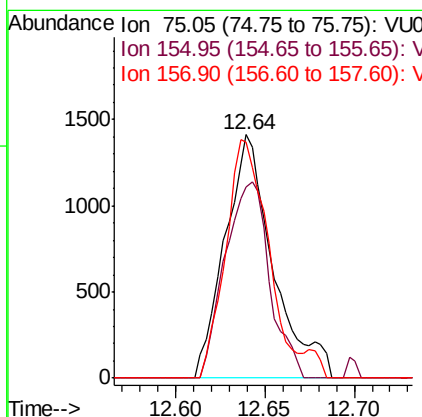
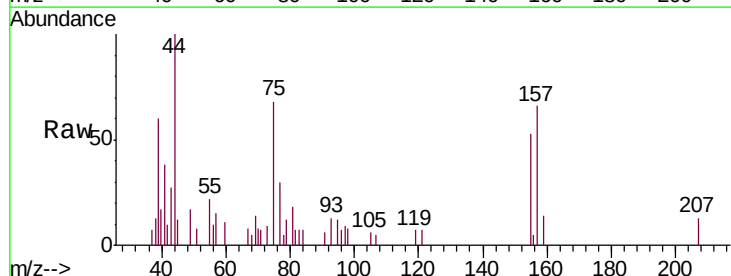
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

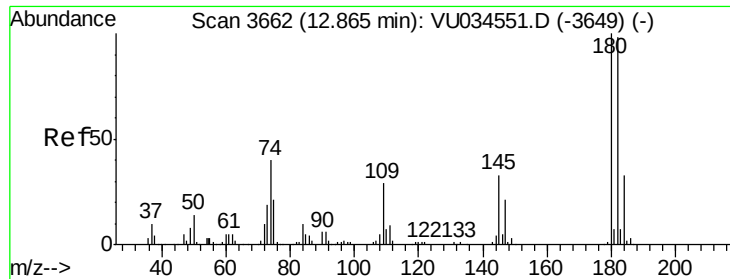
Tgt Ion: 146 Resp: 27734
 Ion Ratio Lower Upper
 146 100
 111 50.7 36.4 54.6
 148 65.0 52.6 78.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.191 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Tgt Ion: 75 Resp: 2649
 Ion Ratio Lower Upper
 75 100
 155 78.4 57.2 85.8
 157 96.7 77.0 115.4

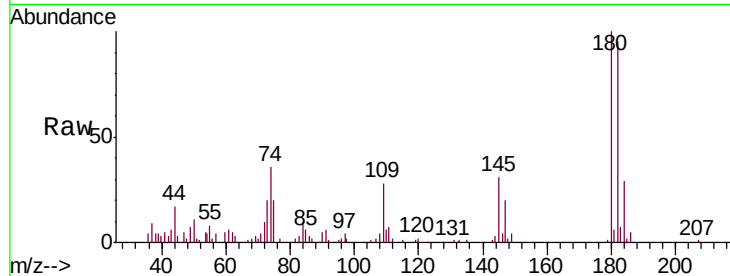




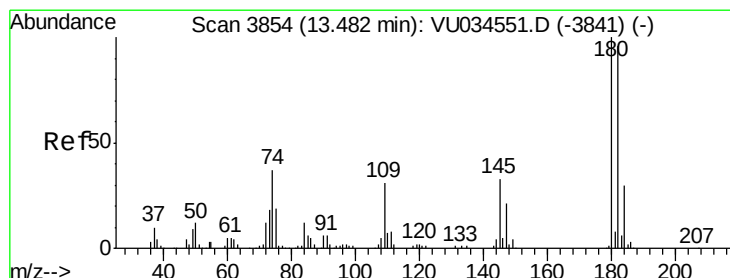
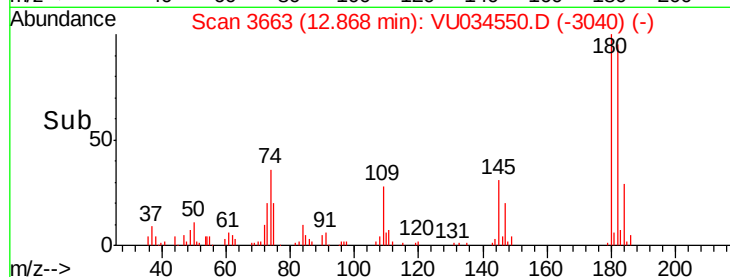
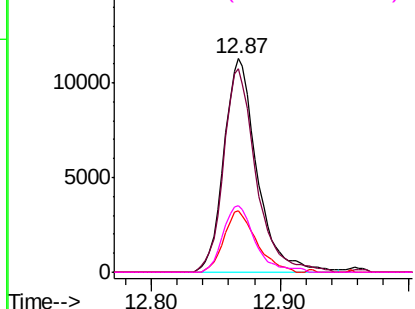
#67
 1,3,5-Trichlorobenzene
 Concen: 0.927 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion:180 Resp: 20100
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.9 113.9
 184 28.1 24.2 36.2
 145 30.2 25.9 38.9

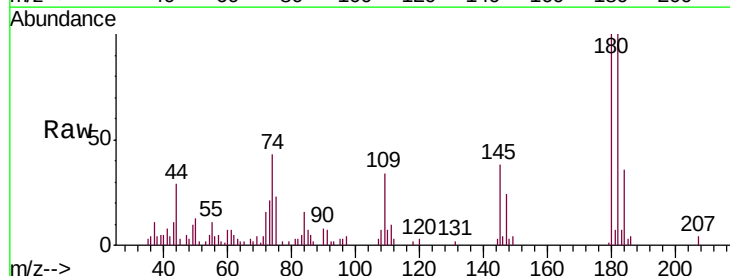


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

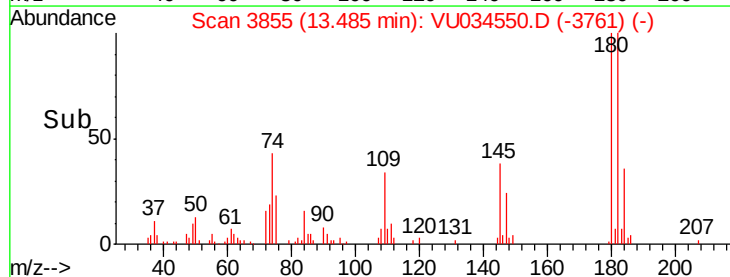
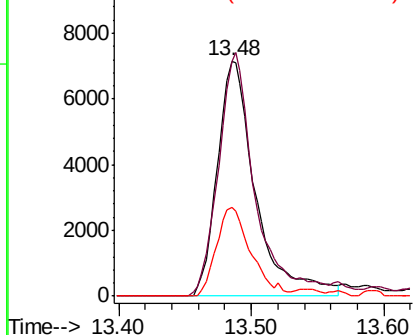


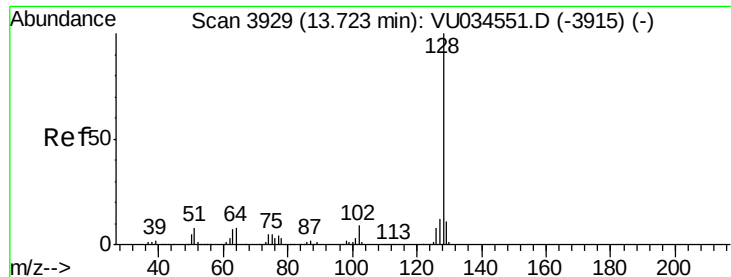
#68
 1,2,4-trichlorobenzene
 Concen: 0.874 ug/L
 RT: 13.48 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034550.D
 Acq: 15 Sep 2019 08:25

Tgt Ion:180 Resp: 14365
 Ion Ratio Lower Upper
 180 100
 182 99.0 76.1 114.1
 145 34.0 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 1.082 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

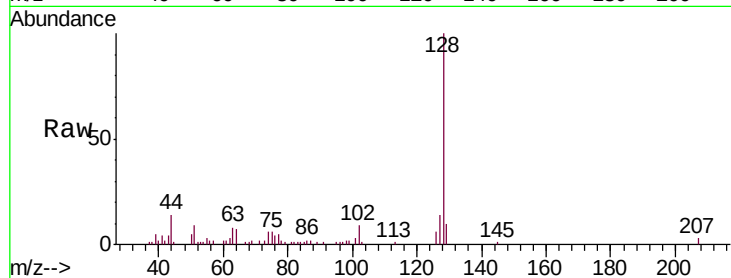
Tgt Ion:128 Resp: 29731

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

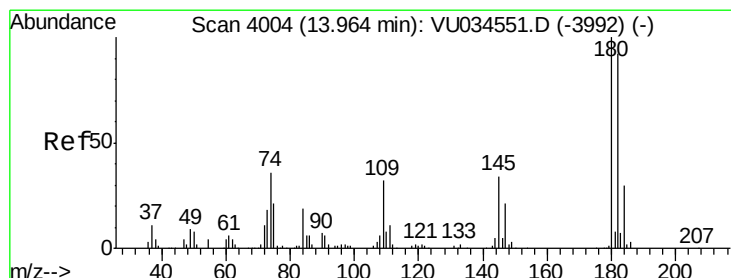
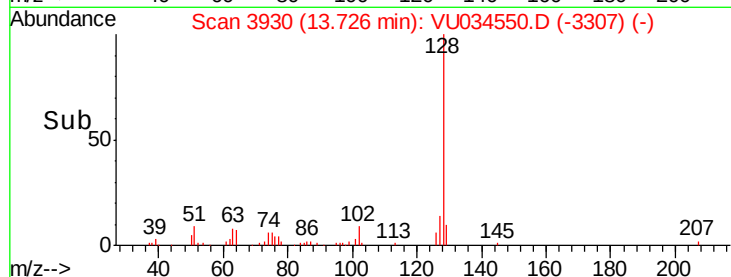
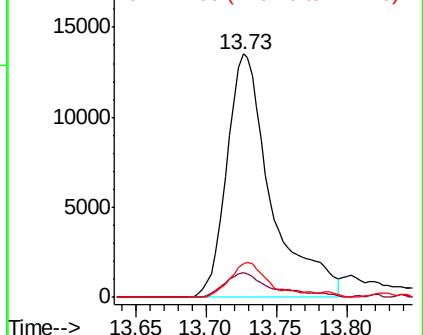
127 12.2 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.843 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.01 min

Lab File: VU034550.D

Acq: 15 Sep 2019 08:25

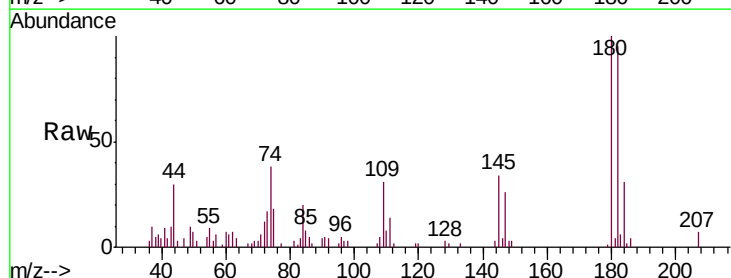
Tgt Ion:180 Resp: 13298

Ion Ratio Lower Upper

180 100

182 104.4 72.8 109.2

145 36.3 27.2 40.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

