

Data File : VU034883.D
Acq On : 30 Sep 2019 17:18
Operator : JC/SP
Sample : VSTD00532
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Oct 01 02:38:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 01 02:35:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	332245	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	319269	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	127422	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	11771	3.68	ug/L	0.00
7) Chloroethane-d5	1.68	69	10227	4.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	21022	3.85	ug/L	0.00
21) 2-Butanone-d5	4.17	46	19156	7.58	ug/L	0.02
24) Chloroform-d	4.63	84	21341	4.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	16739	4.68	ug/L	0.00
32) Benzene-d6	5.32	84	42777	4.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	15632	4.66	ug/L	0.00
41) Toluene-d8	7.55	98	40502	4.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	5600	3.52	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	10931	6.52	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.41	84	20190	4.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	13175	4.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	9816	3.110	ug/L	95
3) Chloromethane	1.32	50	8554	2.340	ug/L	97
5) Vinyl chloride	1.40	62	8019	2.391	ug/L	98
6) Bromomethane	1.62	94	4379	2.405	ug/L	99
8) Chloroethane	1.69	64	5523	2.839	ug/L	95
9) Trichlorofluoromethane	1.88	101	12532	2.892	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7918	3.692	ug/L	99
12) 1,1-Dichloroethene	2.27	96	6152	3.078	ug/L	92
13) Acetone	2.31	43	18778	6.628	ug/L	96
14) Carbon disulfide	2.46	76	9474	1.501	ug/L #	93
15) Methyl Acetate	2.61	43	13839	3.596	ug/L #	74
16) Methylene chloride	2.69	84	9456	3.651	ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	6072	2.789	ug/L	95
18) Methyl tert-butyl Ether	2.98	73	35442	4.157	ug/L	99
19) 1,1-Dichloroethane	3.43	63	18836	3.652	ug/L	99
20) cis-1,2-Dichloroethene	4.21	96	8879	3.377	ug/L	95
22) 2-Butanone	4.25	43	18035	5.317	ug/L #	68
23) Bromochloromethane	4.53	128	2281	1.820	ug/L	94
25) Chloroform	4.65	83	22127	4.287	ug/L	98
27) 1,2-Dichloroethane	5.39	62	15653	3.576	ug/L	99
29) Cyclohexane	4.97	56	5593	1.186	ug/L #	12
30) 1,1,1-Trichloroethane	4.89	97	15656	3.784	ug/L	99
31) Carbon tetrachloride	5.12	117	11437	3.301	ug/L	97
33) Benzene	5.37	78	32755	3.177	ug/L	100
34) Trichloroethene	6.17	95	8498	3.326	ug/L	97
35) Methylcyclohexane	6.39	83	10183	2.431	ug/L	98
37) 1,2-Dichloropropane	6.41	63	11445	3.673	ug/L #	93
38) Bromodichloromethane	6.74	83	13774	3.606	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	13709	2.923	ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	42345	7.028	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	35453	3.187	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	12280	2.931	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	10567	4.119	ug/L	94
46) Tetrachloroethene	8.21	164	5326	2.996	ug/L	89
48) 2-Hexanone	8.35	43	28525	6.109	ug/L	97
49) Dibromochloromethane	8.46	129	9932	3.500	ug/L	91
50) 1,2-Dibromoethane	8.57	107	9374	3.475	ug/L	98
51) Chlorobenzene	9.10	112	24795	3.607	ug/L	96
52) Ethylbenzene	9.23	91	40075	3.173	ug/L	100
53) m,p-Xylene	9.36	106	14047	3.158	ug/L	95
54) o-xylene	9.76	106	14879	3.347	ug/L	91
55) Styrene	9.78	104	23674	3.130	ug/L	96
56) Isopropylbenzene	10.14	105	40728	3.375	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	21368	4.309	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	17052	4.246	ug/L	95
61) Bromoform	9.94	173	6527	3.835	ug/L #	96
62) 1,3-Dichlorobenzene	11.40	146	17668	4.138	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	17981	4.142	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	18712	4.291	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.64	75	3087	3.329	ug/L	91
67) 1,3,5-Trichlorobenzene	12.87	180	9844	3.394	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	5147	2.270	ug/L #	73
69) Naphthalene	13.74	128	13963	1.785	ug/L #	80
70) 1,2,3-Trichlorobenzene	13.97	180	7399	3.134	ug/L	96

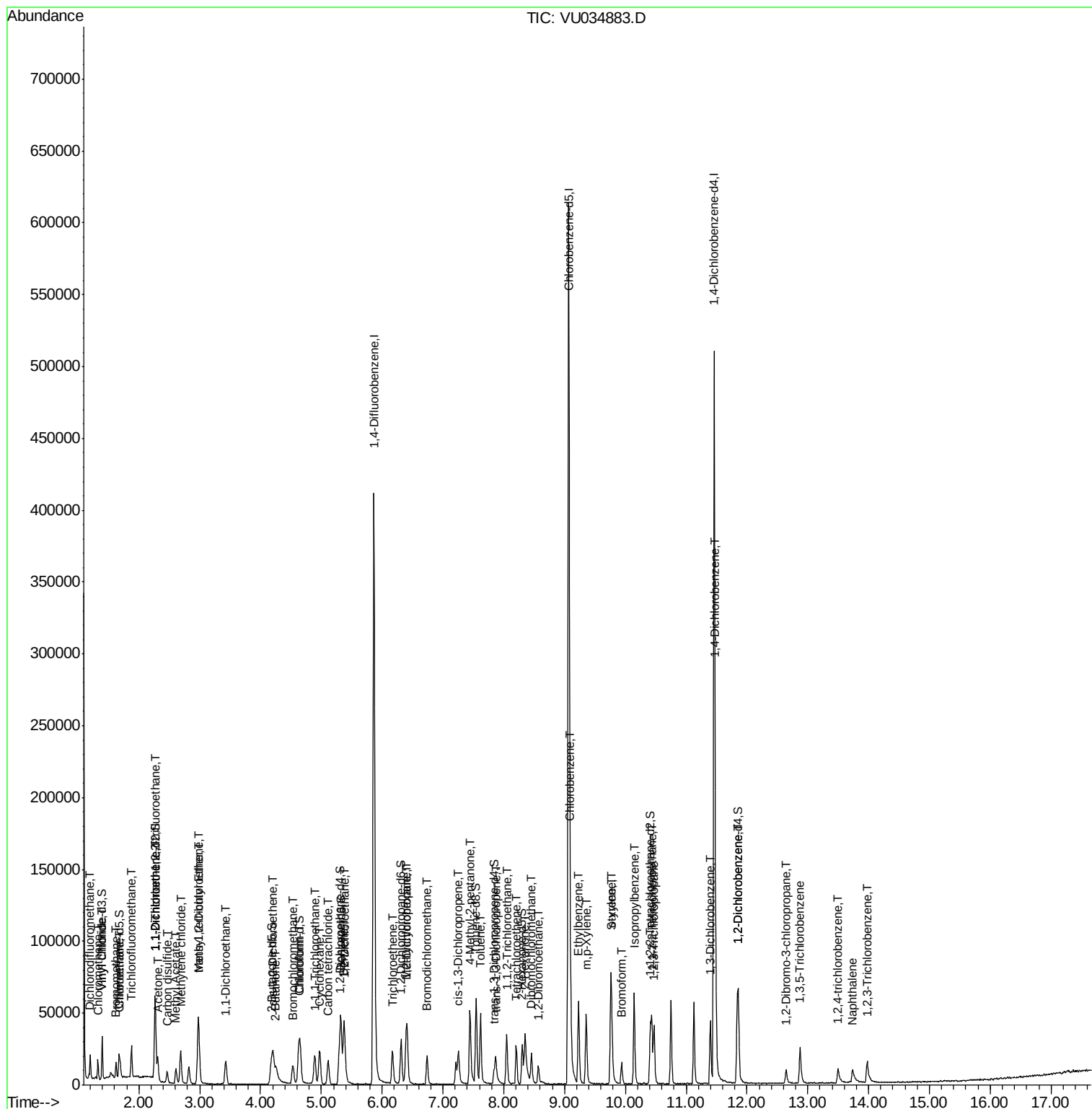
(#) = qualifier out of range (m) = manual integration (+) = signals summed

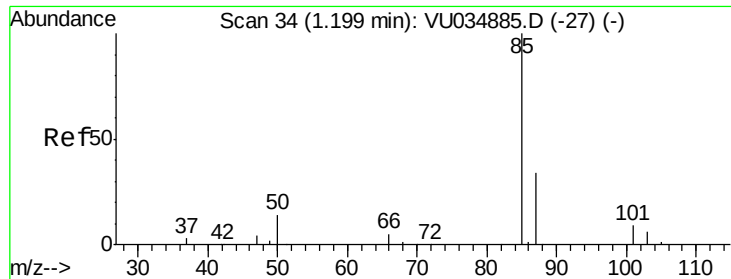
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#2

Dichlorodifluoromethane

Concen: 3.110 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

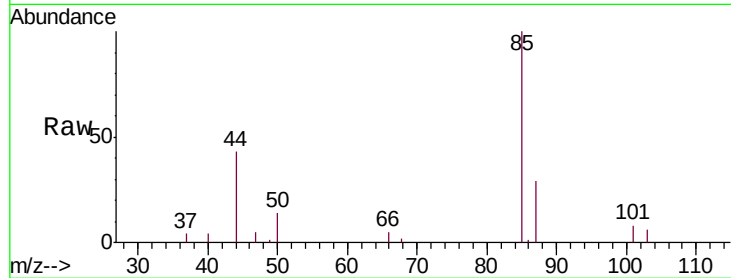
VSTD00532

Tgt Ion: 85 Resp: 9816

Ion Ratio Lower Upper

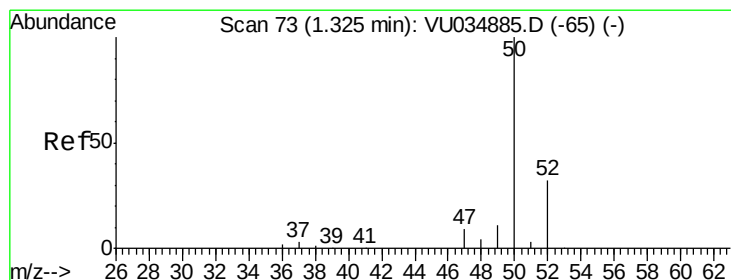
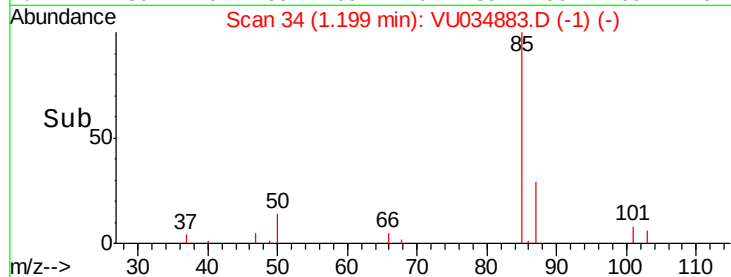
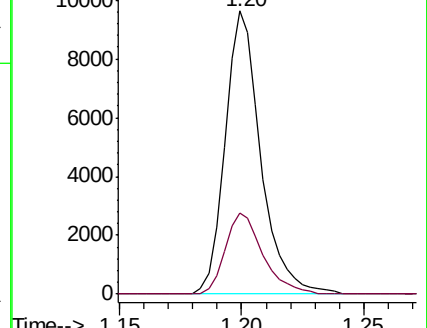
85 100

87 30.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU034883.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU034883.D (-27) (-)



#3

Chloromethane

Concen: 2.340 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034883.D

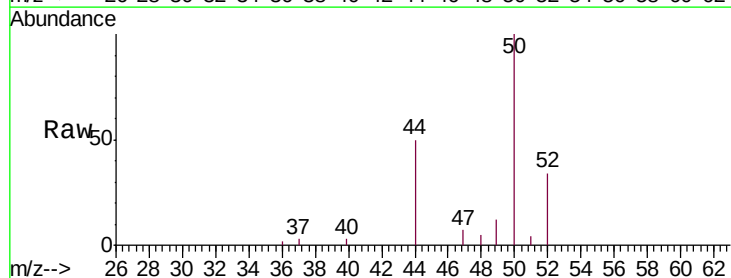
Acq: 30 Sep 2019 17:18

Tgt Ion: 50 Resp: 8554

Ion Ratio Lower Upper

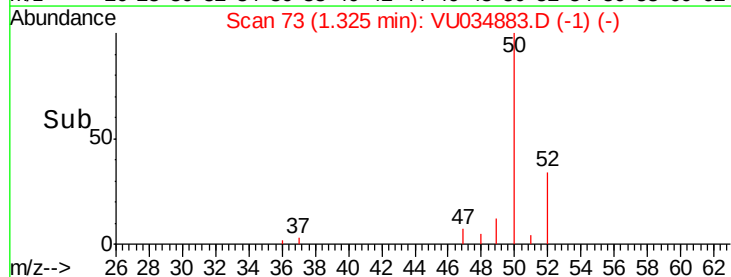
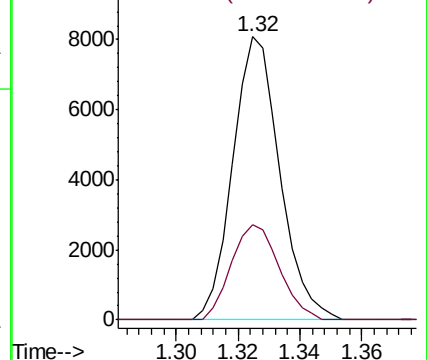
50 100

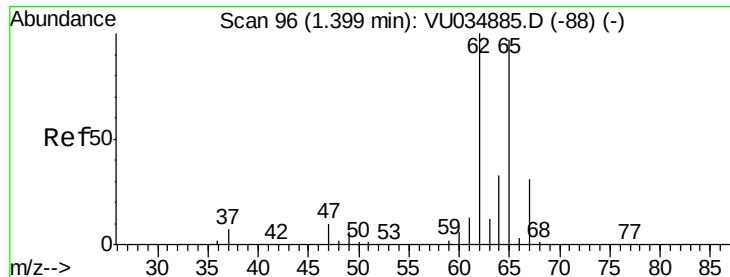
52 33.7 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VU034883.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU034883.D (-65) (-)





#5

Vinyl chloride

Concen: 2.391 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

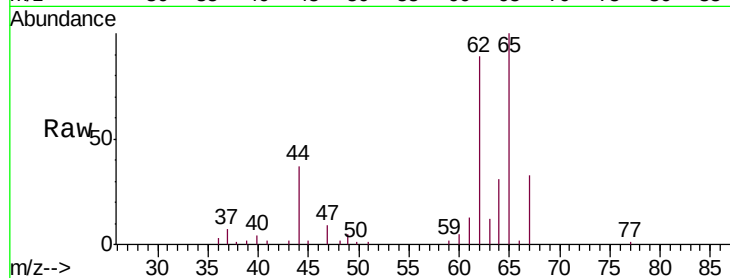
VSTD00532

Tgt Ion: 62 Resp: 8019

Ion Ratio Lower Upper

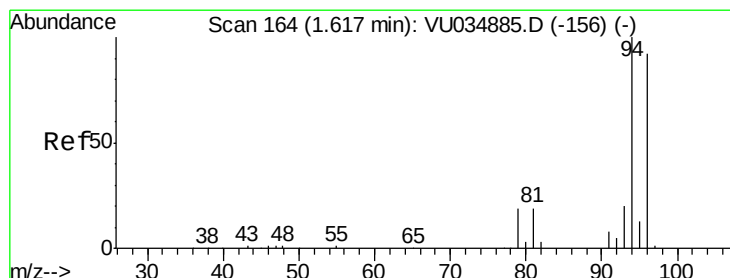
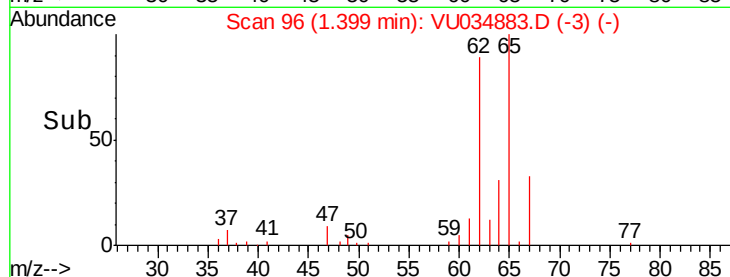
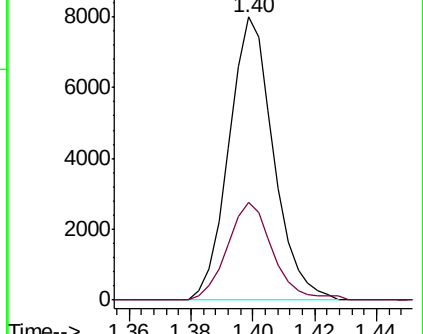
62 100

64 34.4 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU034883.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034883.D (-88) (-)



#6

Bromomethane

Concen: 2.405 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU034883.D

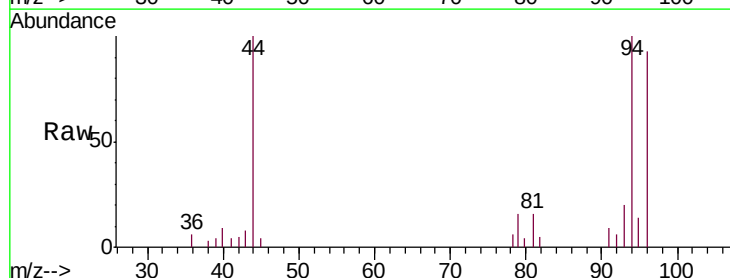
Acq: 30 Sep 2019 17:18

Tgt Ion: 94 Resp: 4379

Ion Ratio Lower Upper

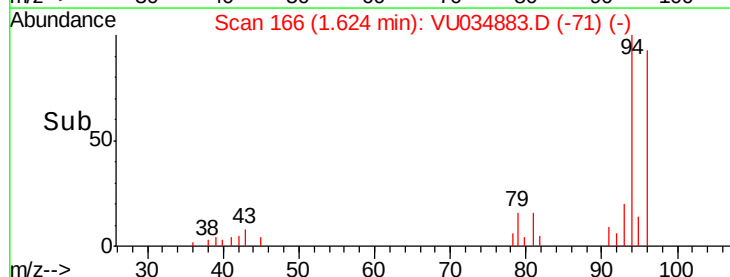
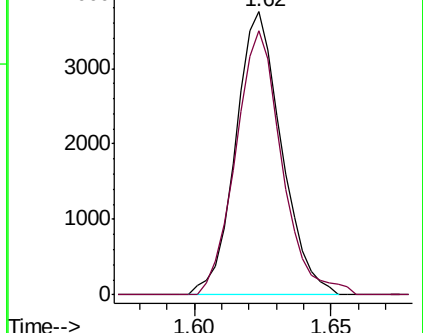
94 100

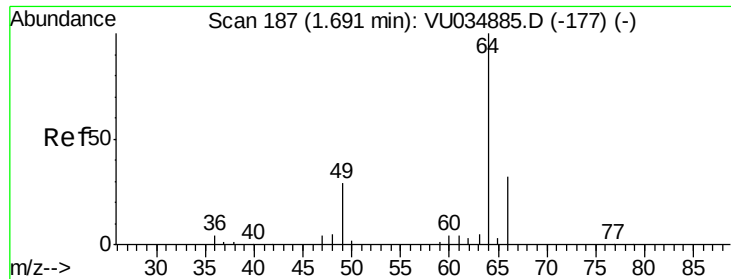
96 93.3 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU034883.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034883.D (-156) (-)

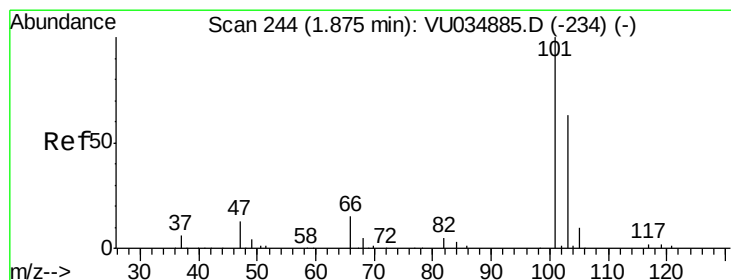
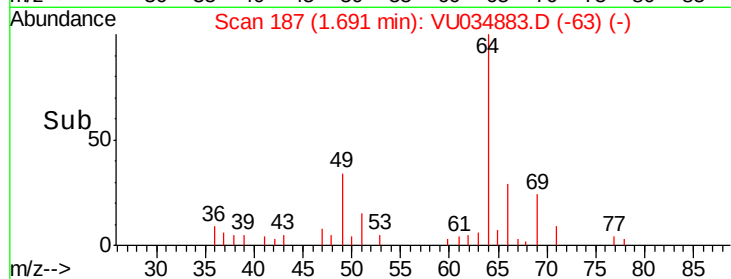
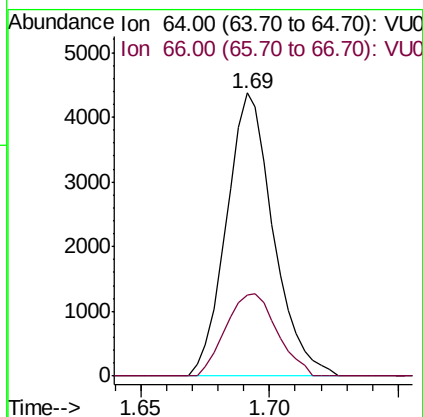
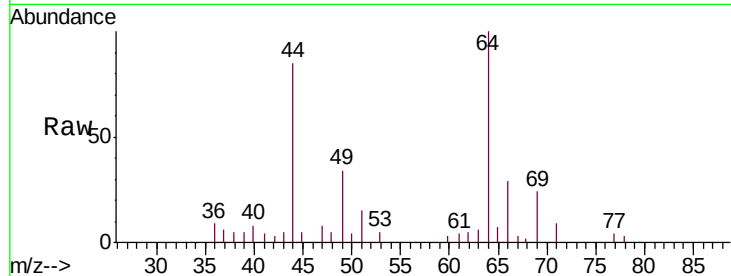




#8
Chloroethane
Concen: 2.839 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

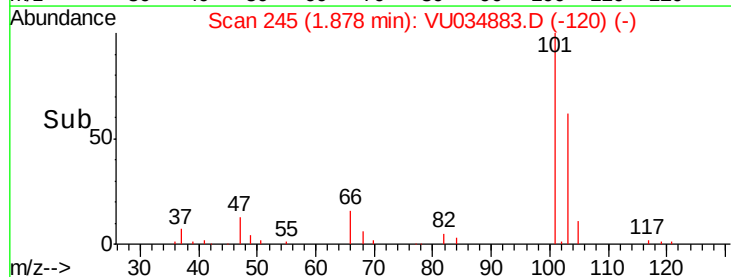
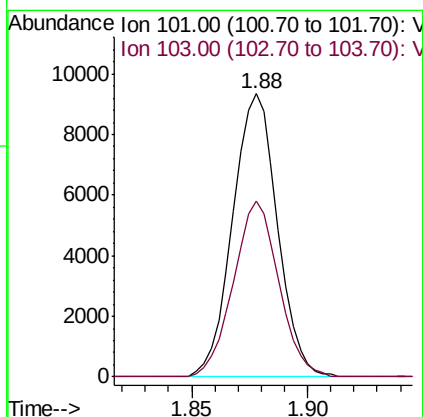
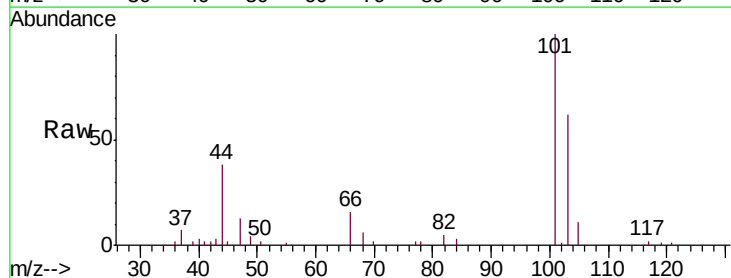
Instrument :
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ClientSampleId :
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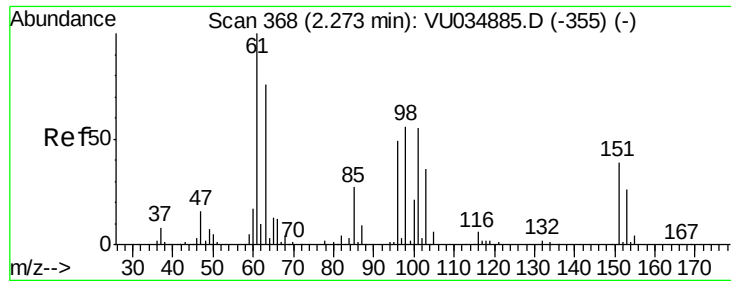
Tgt Ion: 64 Resp: 5523
Ion Ratio Lower Upper
64 100
66 28.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.892 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

Tgt Ion: 101 Resp: 12532
Ion Ratio Lower Upper
101 100
103 62.9 51.2 76.8





#10

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

Concen: 3.692 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

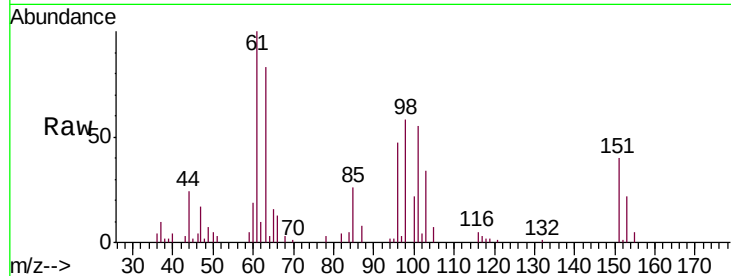
Tgt Ion:101 Resp: 7918

Ion Ratio Lower Upper

101 100

85 46.5 37.1 55.7

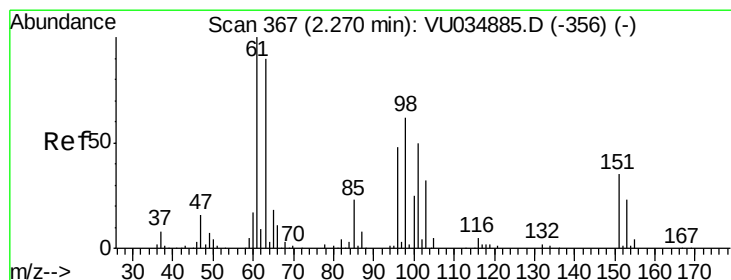
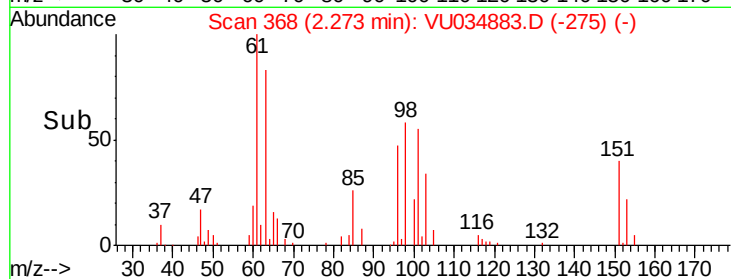
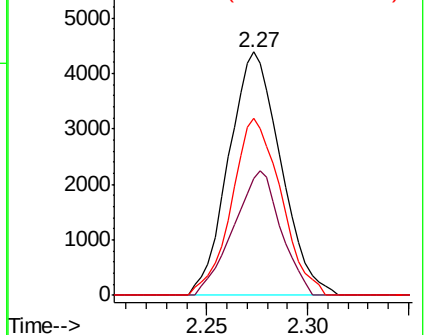
151 68.8 56.0 84.0



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: 3.078 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

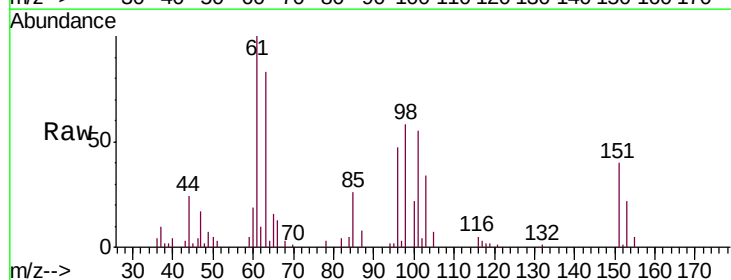
Tgt Ion: 96 Resp: 6152

Ion Ratio Lower Upper

96 100

61 211.4 147.0 273.0

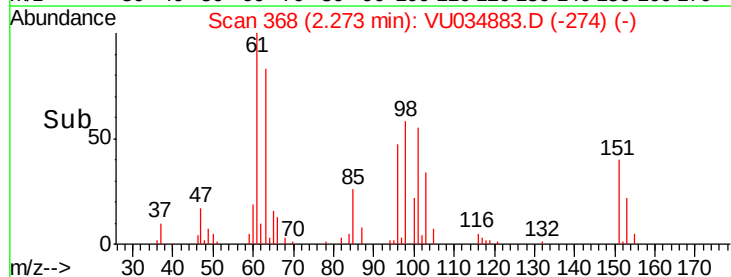
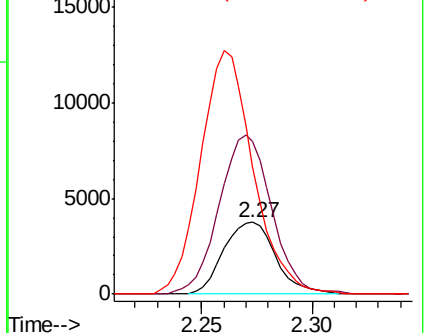
63 176.1 140.5 260.9

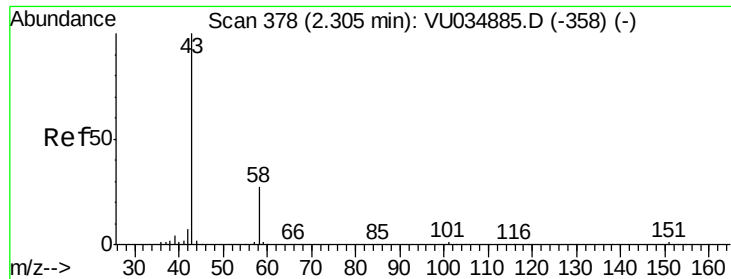


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.628 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034883.D

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MSVOA_U

ClientSampleId :

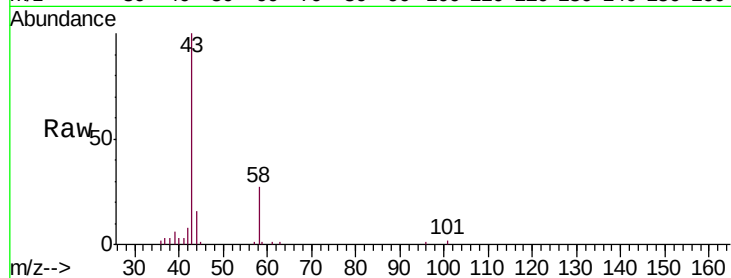
VSTD00532

Tgt Ion: 43 Resp: 18778

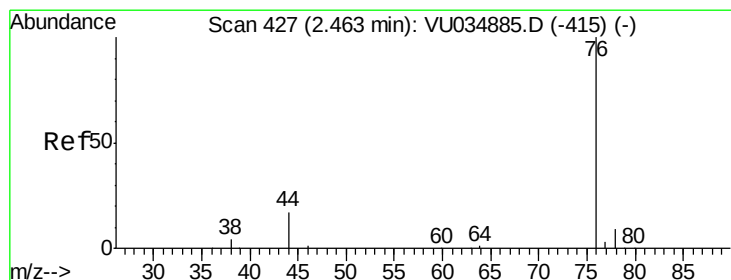
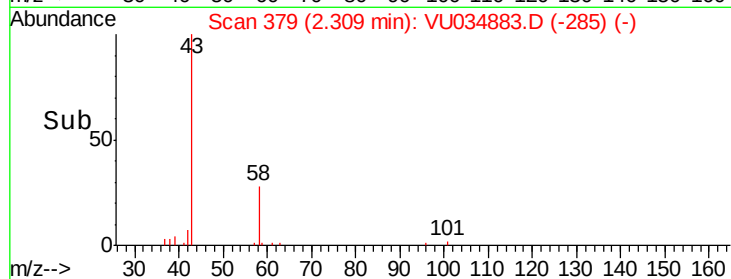
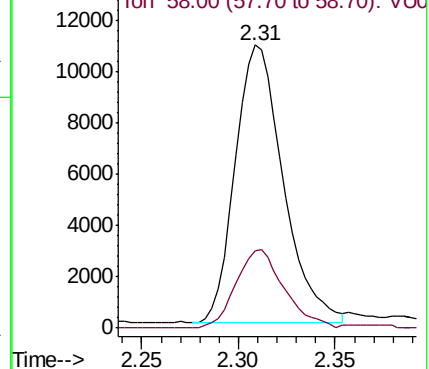
Ion Ratio Lower Upper

43 100

58 28.2 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034883.D (-285) (-)



#14

Carbon disulfide

Concen: 1.501 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034883.D

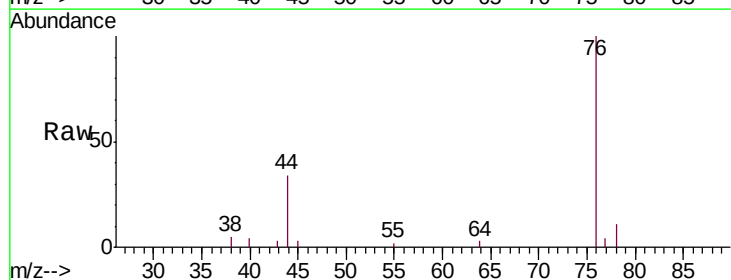
Acq: 30 Sep 2019 17:18

Tgt Ion: 76 Resp: 9474

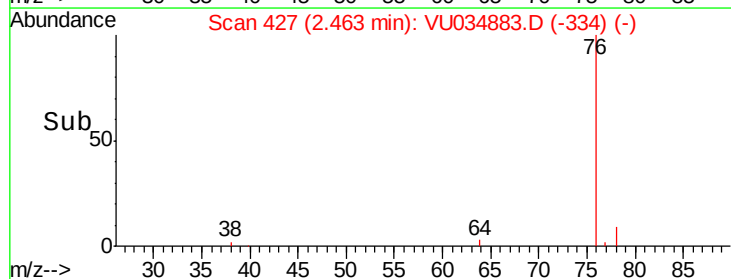
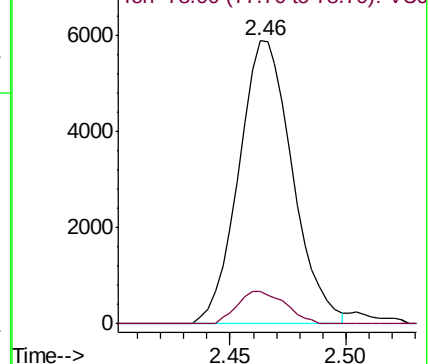
Ion Ratio Lower Upper

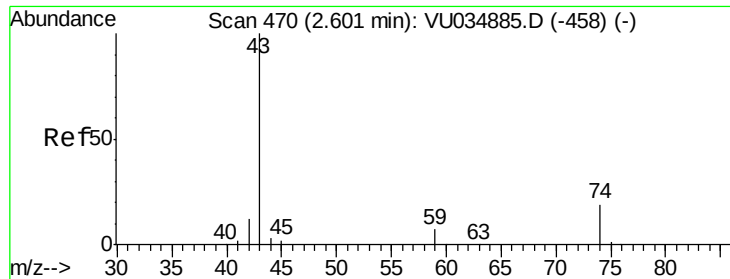
76 100

78 11.5 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU034883.D (-334) (-)

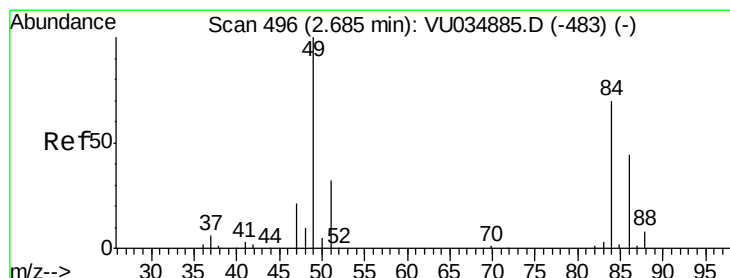
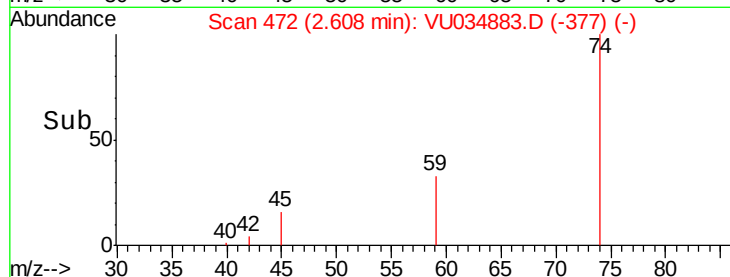
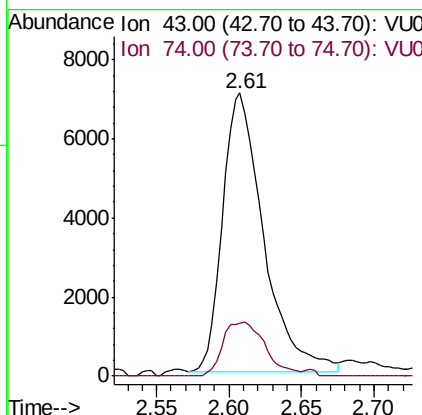
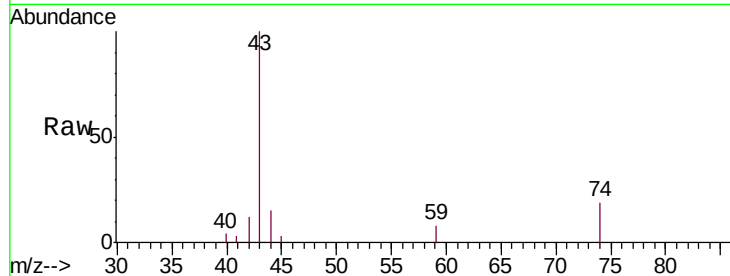




#15
Methyl Acetate
Concen: 3.596 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

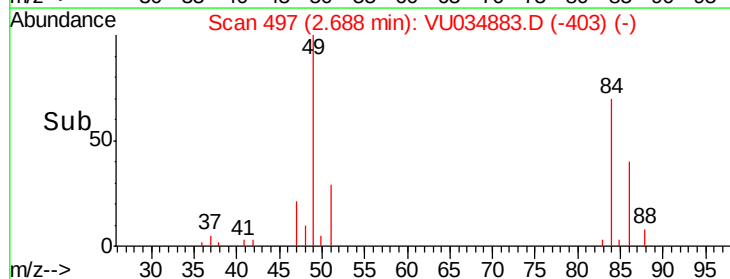
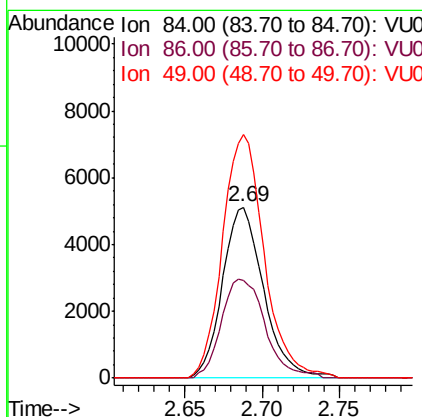
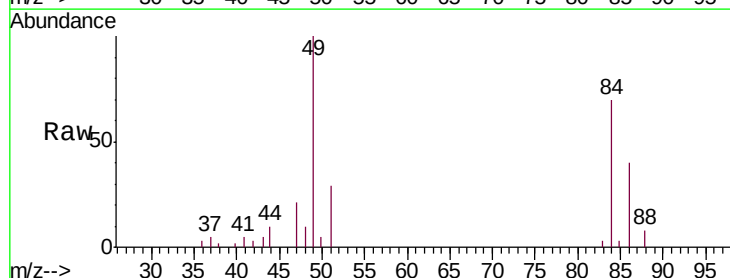
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

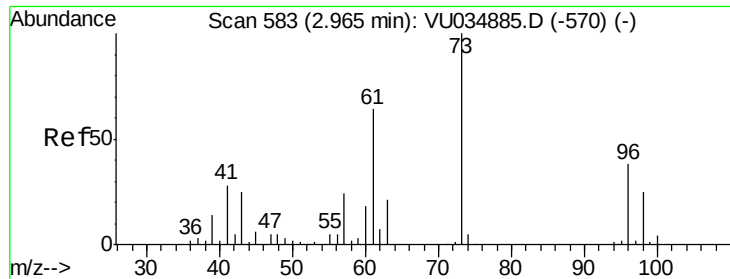
Tgt Ion: 43 Resp: 13839
Ion Ratio Lower Upper
43 100
74 7.2 15.3 22.9#



#16
Methylene chloride
Concen: 3.651 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

Tgt Ion: 84 Resp: 9456
Ion Ratio Lower Upper
84 100
86 56.9 44.7 82.9
49 142.7 100.7 186.9

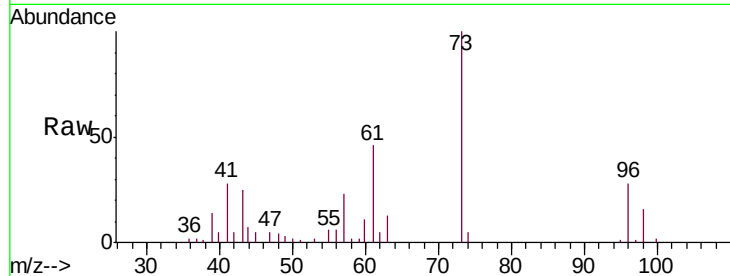




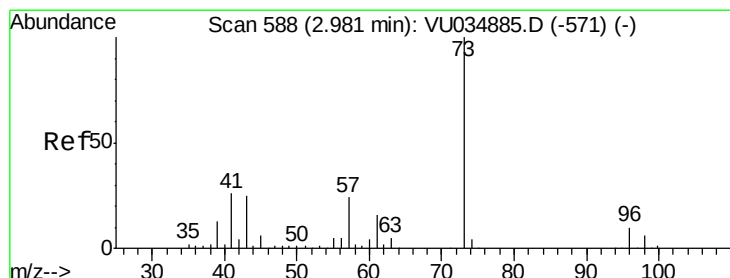
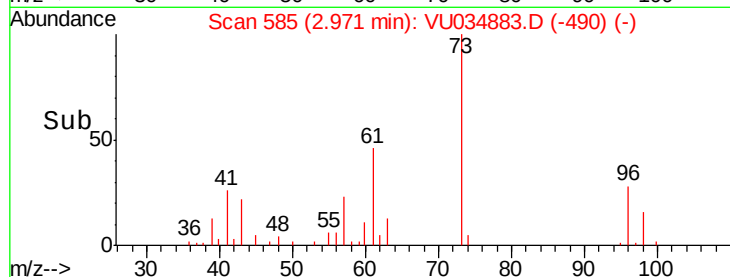
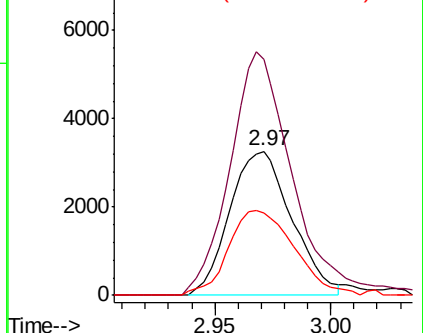
#17
trans-1,2-Dichloroethene
Concen: 2.789 ug/L
RT: 2.97 min Scan# 585
Delta R.T. 0.01 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion: 96 Resp: 6072
Ion Ratio Lower Upper
96 100
61 163.9 117.5 218.1
98 57.3 45.8 85.0

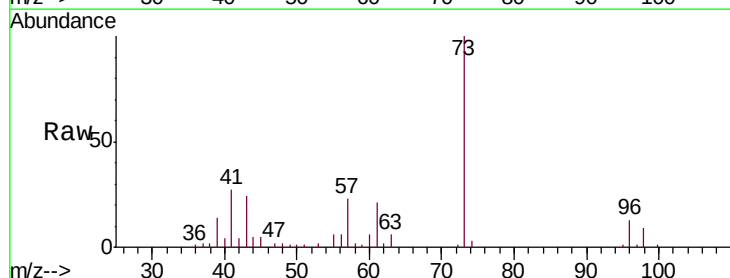


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

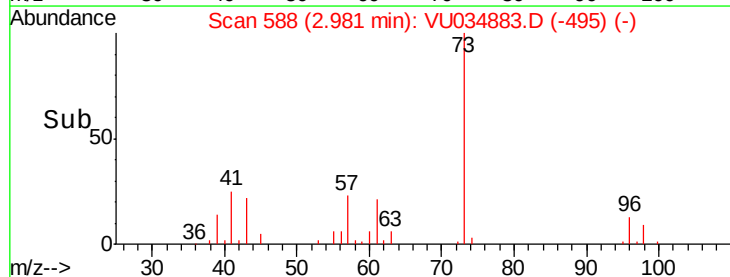
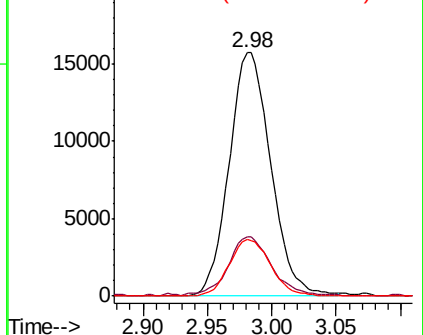


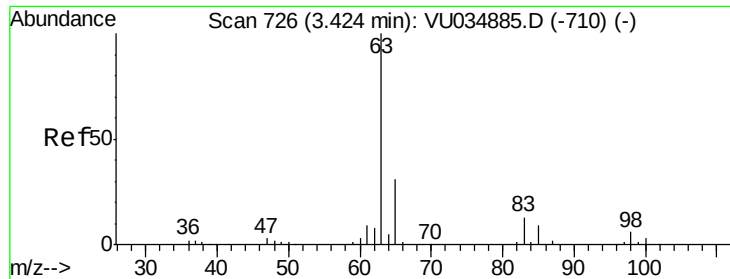
#18
Methyl tert-butyl Ether
Concen: 4.157 ug/L
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

Tgt Ion: 73 Resp: 35442
Ion Ratio Lower Upper
73 100
43 25.5 19.7 29.5
57 23.1 18.8 28.2



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

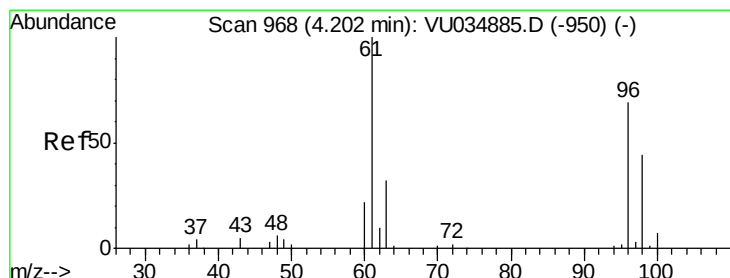
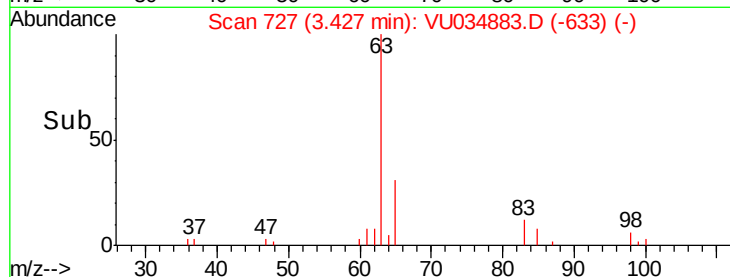
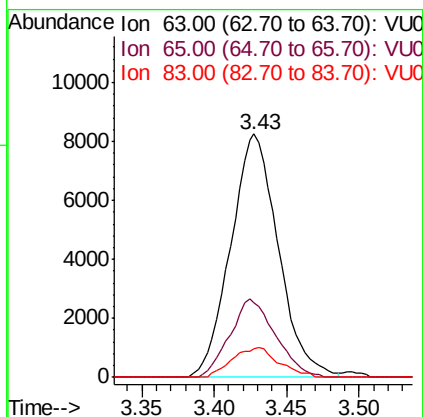
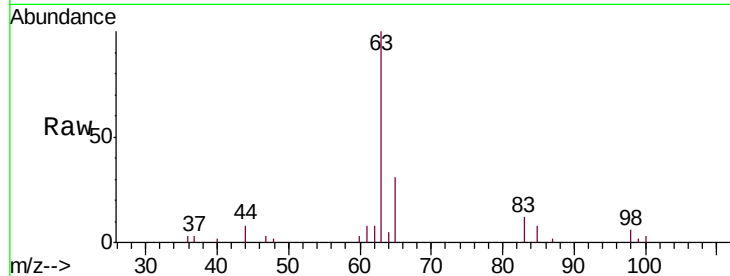




#19
 1,1-Dichloroethane
 Concen: 3.652 ug/L
 RT: 3.43 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

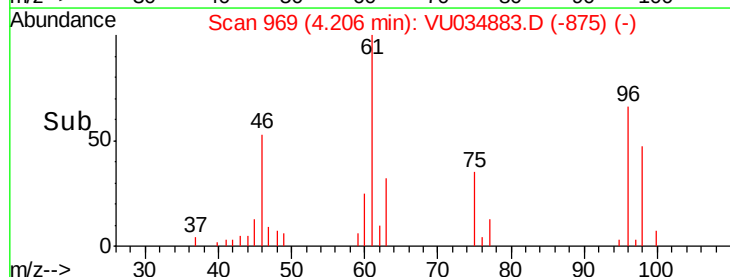
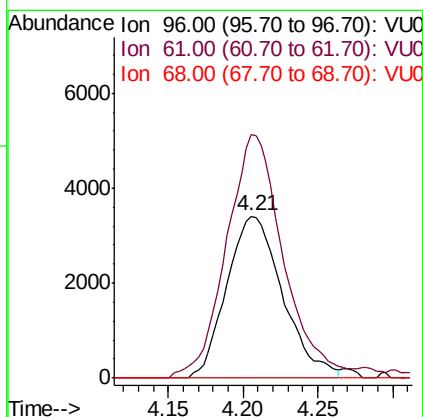
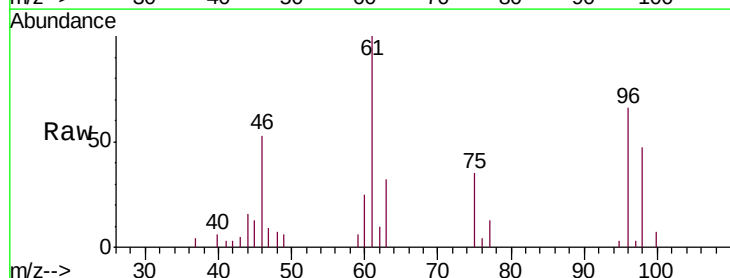
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

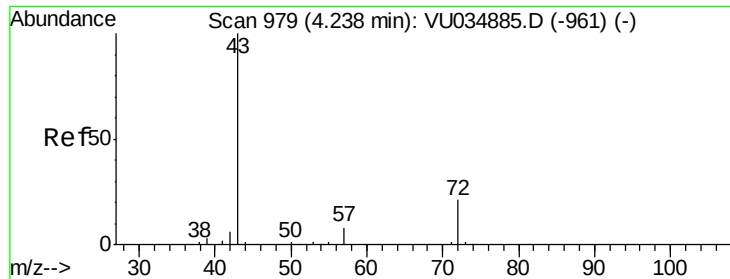
Tgt Ion: 63 Resp: 18836
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.6 40.2
 83 11.7 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 3.377 ug/L
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

Tgt Ion: 96 Resp: 8879
 Ion Ratio Lower Upper
 96 100
 61 150.6 101.2 188.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.317 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.02 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

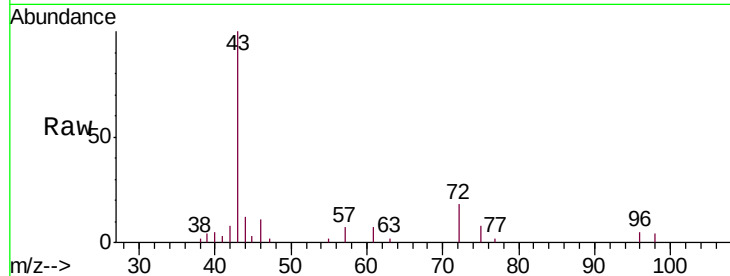
VSTD00532

Tgt Ion: 43 Resp: 18035

Ion Ratio Lower Upper

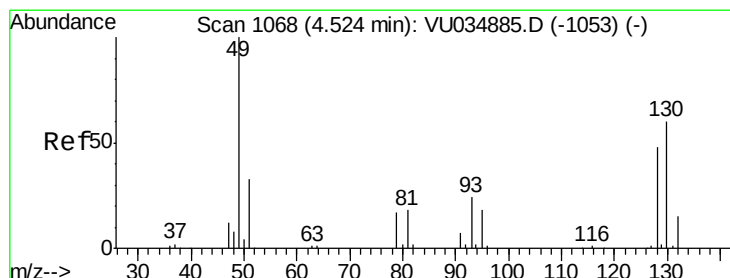
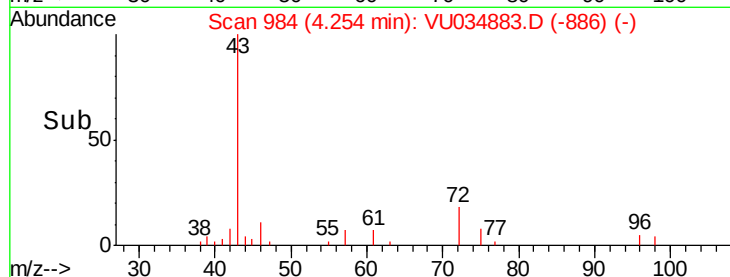
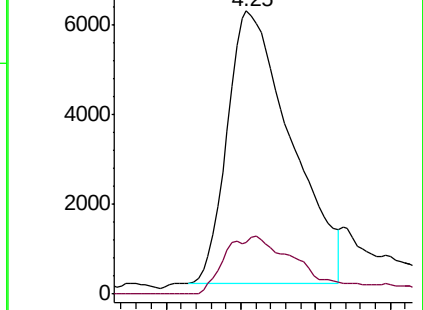
43 100

72 6.9 11.2 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VU034883.D (-984) (-)

Ion 72.00 (71.70 to 72.70): VU034883.D (-984) (-)



#23

Bromochloromethane

Concen: 1.820 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Tgt Ion: 128 Resp: 2281

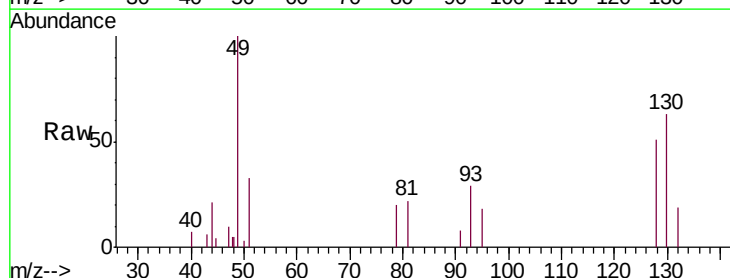
Ion Ratio Lower Upper

128 100

49 194.5 145.7 270.5

130 122.5 86.9 161.5

51 64.2 54.6 82.0

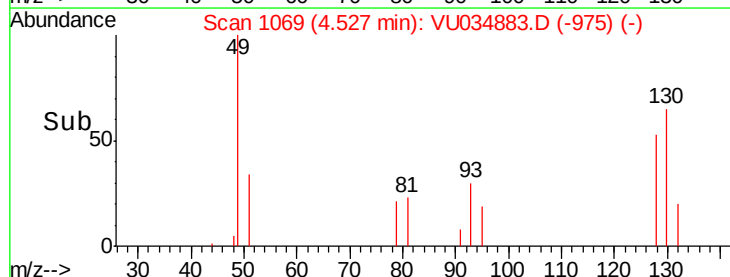
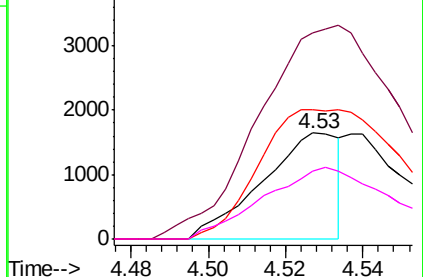


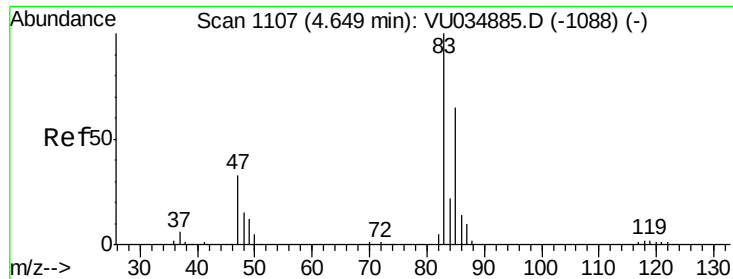
Abundance Ion 128.00 (127.70 to 128.70): VU034883.D (-1069) (-)

Ion 49.00 (48.70 to 49.70): VU034883.D (-1069) (-)

Ion 130.00 (129.70 to 130.70): VU034883.D (-1069) (-)

Ion 51.00 (50.70 to 51.70): VU034883.D (-1069) (-)

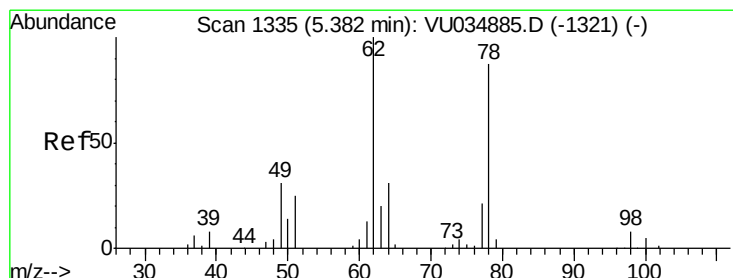
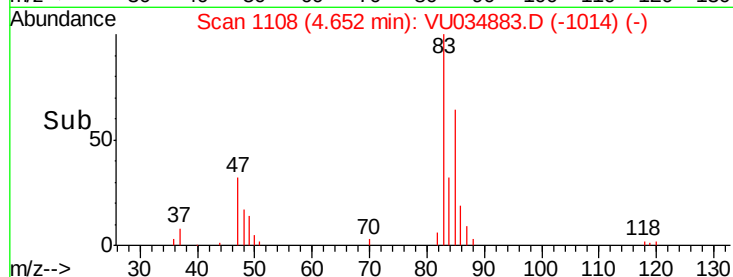
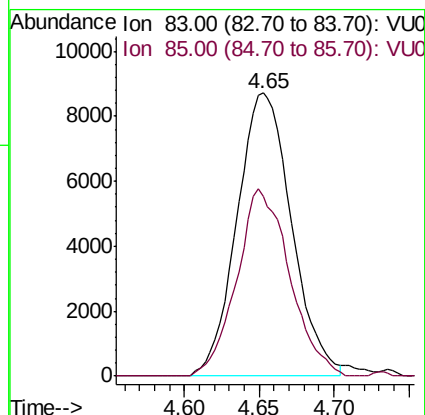
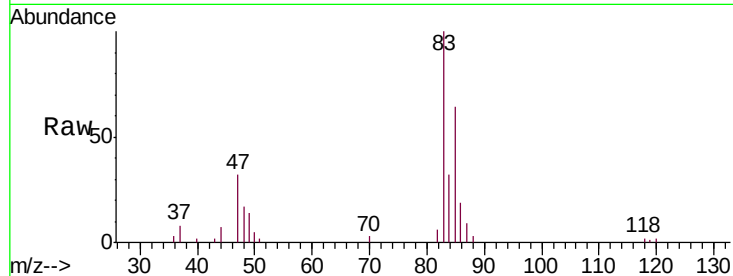




#25
Chloroform
Concen: 4.287 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

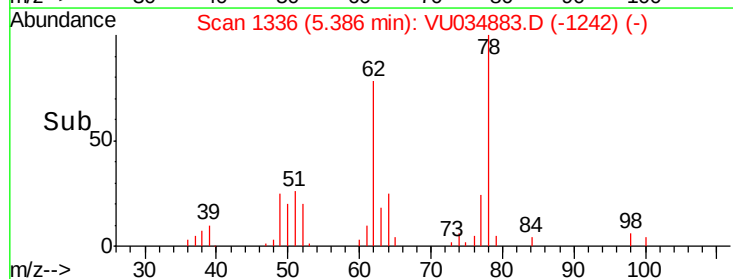
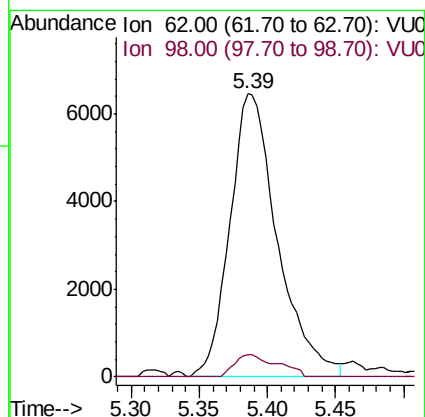
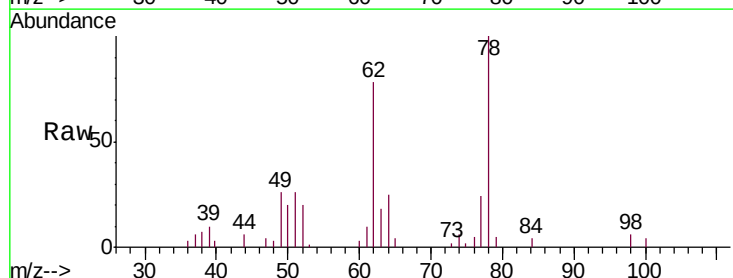
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

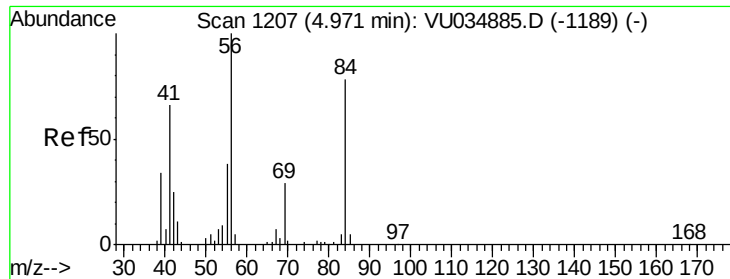
Tgt Ion: 83 Resp: 22127
Ion Ratio Lower Upper
83 100
85 63.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 3.576 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

Tgt Ion: 62 Resp: 15653
Ion Ratio Lower Upper
62 100
98 8.0 6.2 9.2

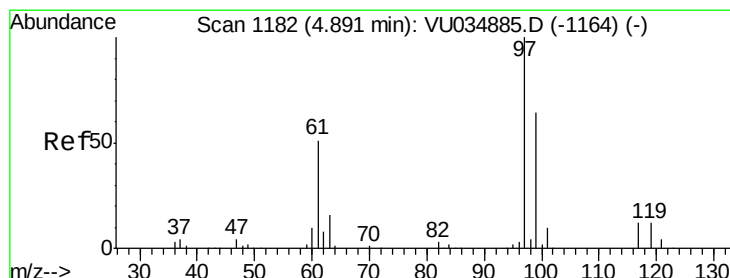
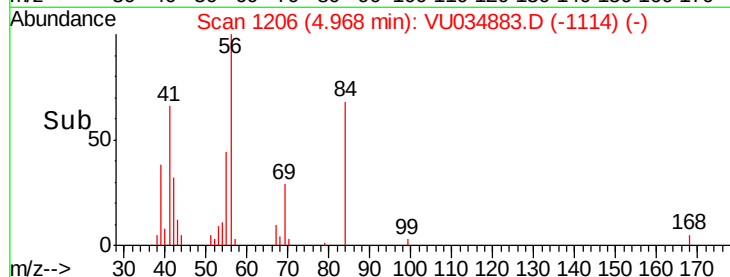
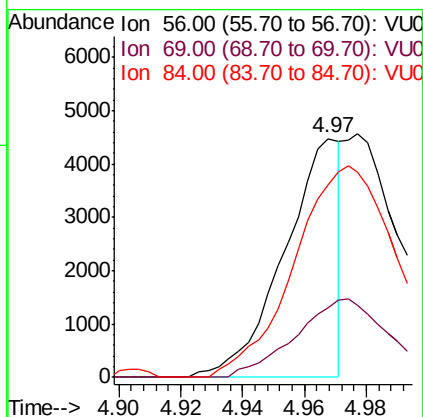
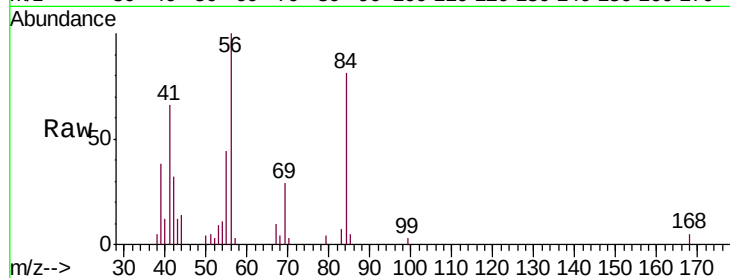




#29
Cyclohexane
Concen: 1.186 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

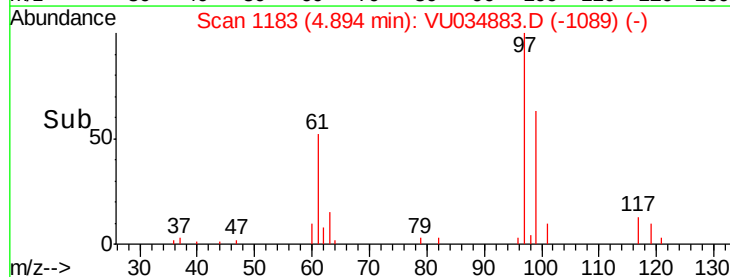
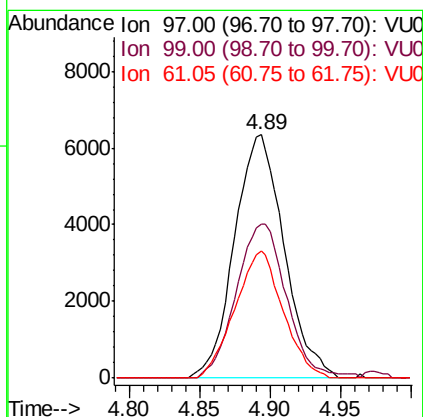
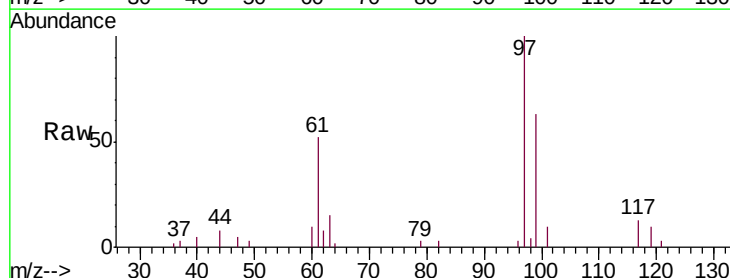
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

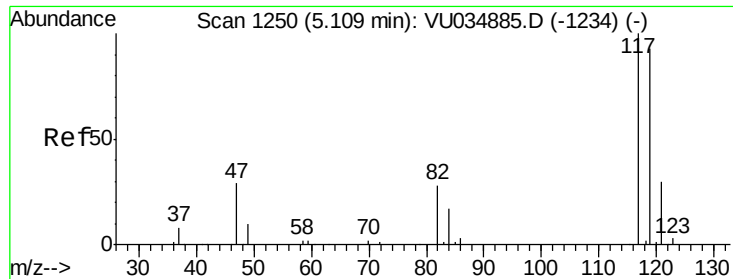
Tgt Ion: 56 Resp: 5593
Ion Ratio Lower Upper
56 100
69 57.1 22.6 33.8#
84 163.8 61.6 92.4#



#30
1,1,1-Trichloroethane
Concen: 3.784 ug/L
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

Tgt Ion: 97 Resp: 15656
Ion Ratio Lower Upper
97 100
99 63.7 50.8 76.2
61 50.2 41.2 61.8





#31

Carbon tetrachloride

Concen: 3.301 ug/L

RT: 5.12 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

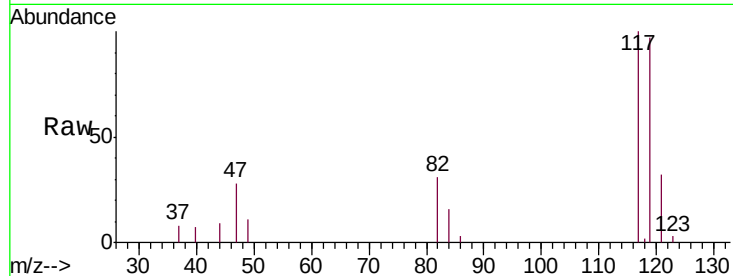
VSTD00532

Tgt Ion:117 Resp: 11437

Ion Ratio Lower Upper

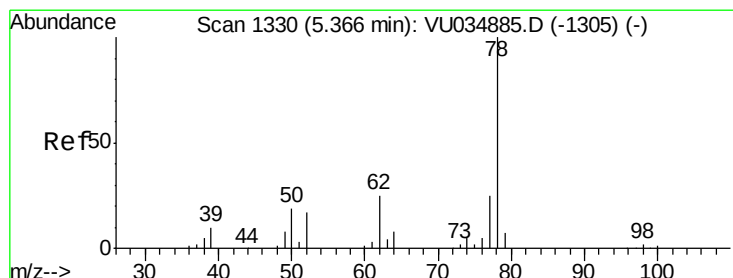
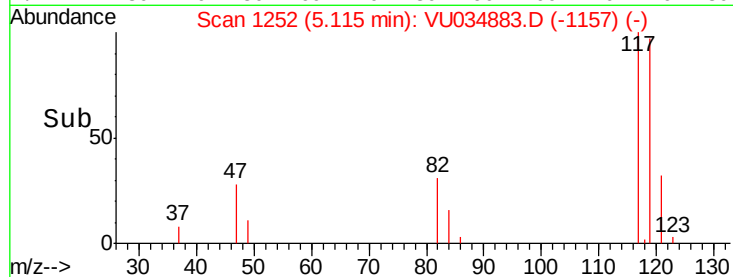
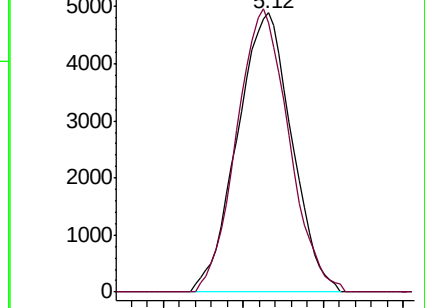
117 100

119 97.0 75.3 112.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 3.177 ug/L

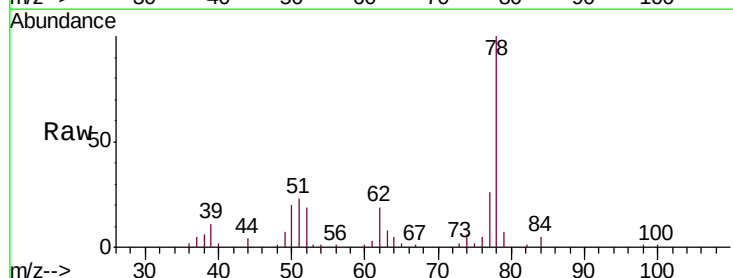
RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

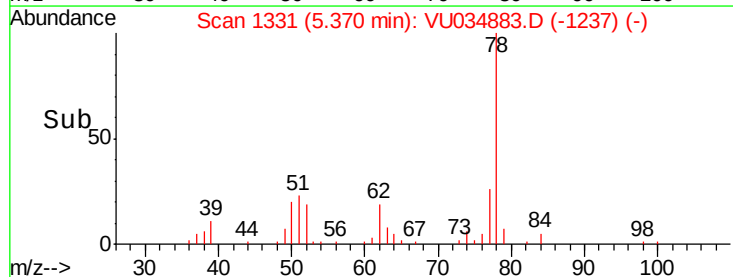
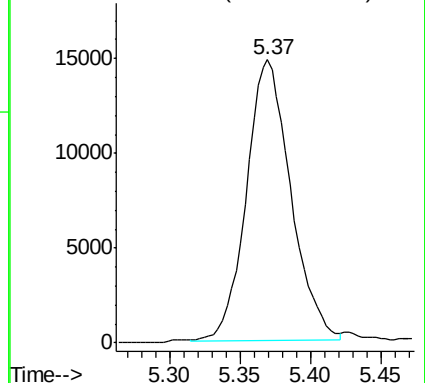
Lab File: VU034883.D

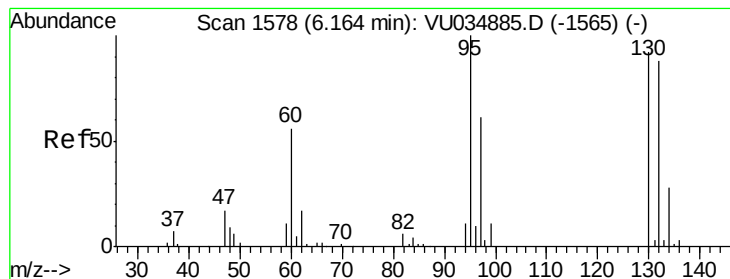
Acq: 30 Sep 2019 17:18

Tgt Ion: 78 Resp: 32755



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 3.326 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

Tgt Ion: 95 Resp: 8498

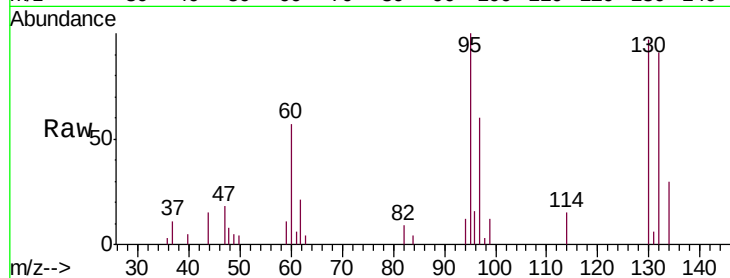
Ion Ratio Lower Upper

95 100

97 59.8 42.9 79.7

132 91.3 61.7 114.7

130 96.5 64.6 120.0

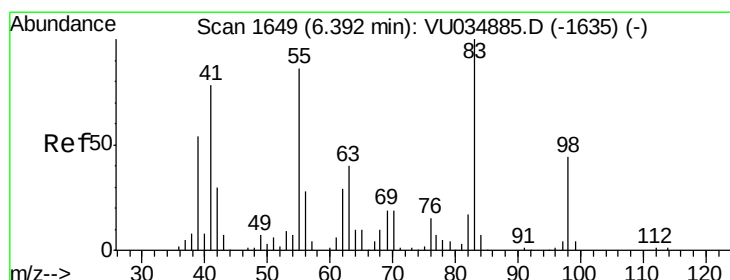
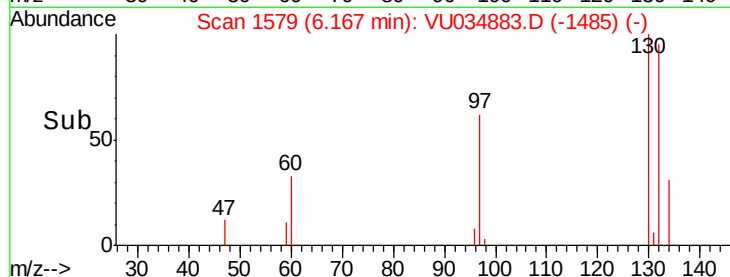
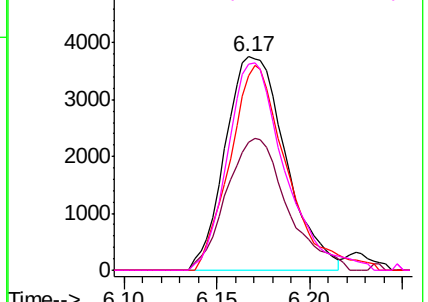


Abundance Ion 95.00 (94.70 to 95.70): VU034883.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU034883.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU034883.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU034883.D (-1565) (-)



#35

Methylcyclohexane

Concen: 2.431 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

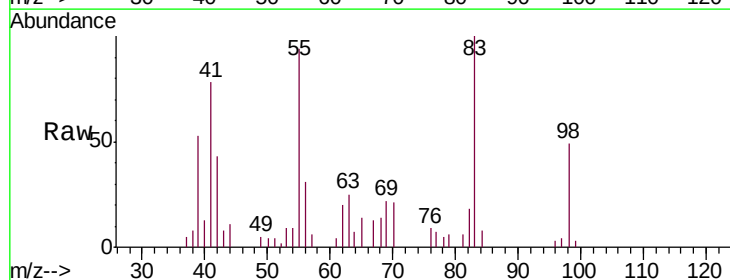
Tgt Ion: 83 Resp: 10183

Ion Ratio Lower Upper

83 100

55 87.7 68.4 102.6

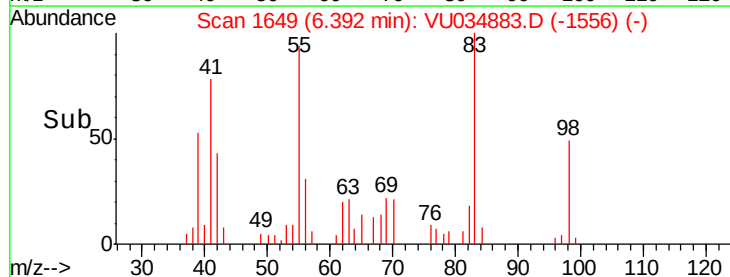
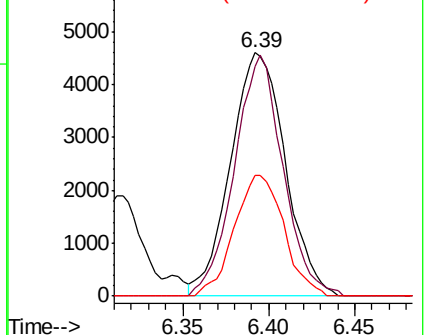
98 44.8 35.3 52.9

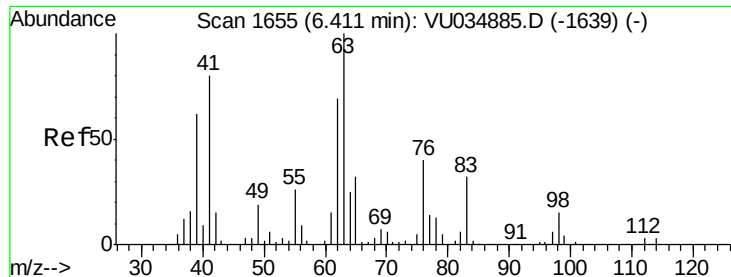


Abundance Ion 83.00 (82.70 to 83.70): VU034883.D (-1635) (-)

Ion 55.00 (54.70 to 55.70): VU034883.D (-1635) (-)

Ion 98.00 (97.70 to 98.70): VU034883.D (-1635) (-)

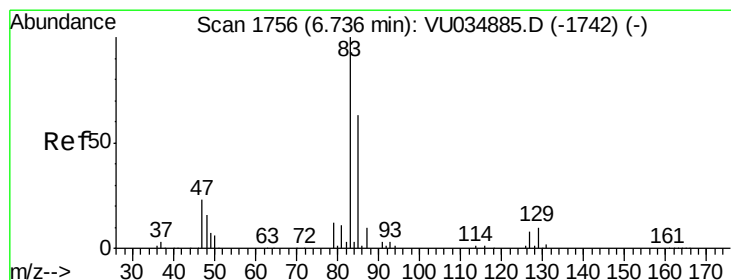
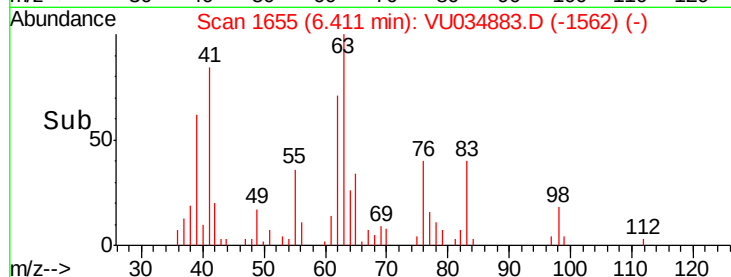
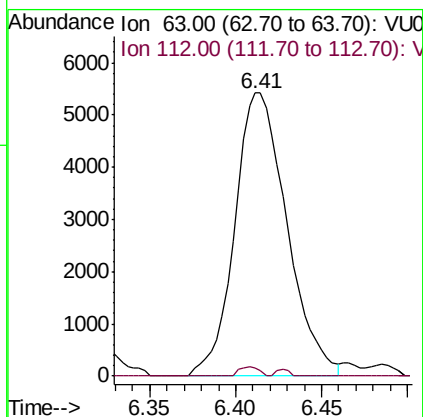
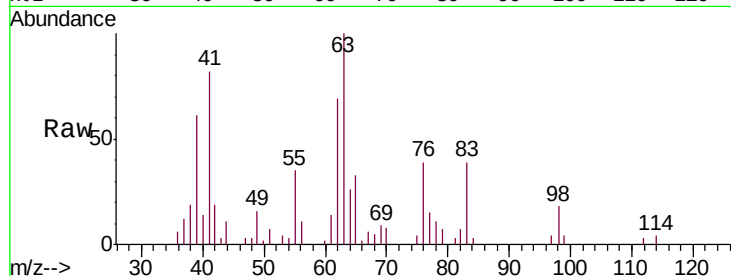




#37
 1,2-Dichloropropane
 Concen: 3.673 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

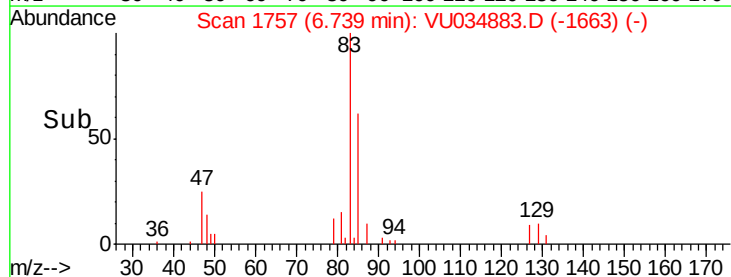
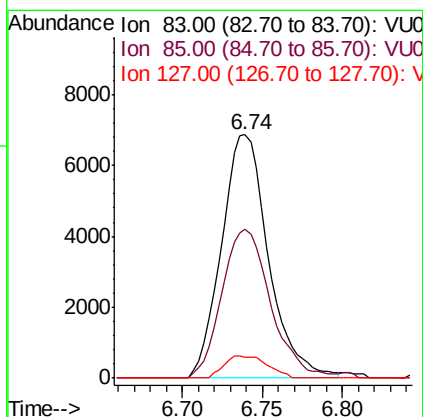
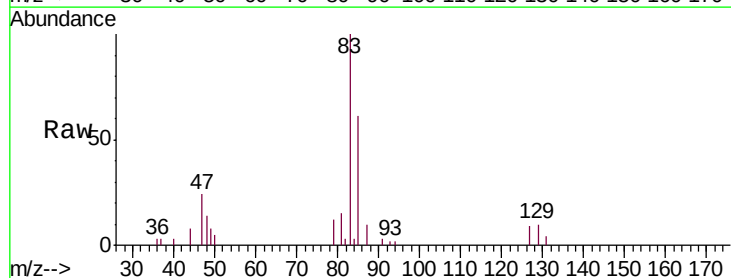
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

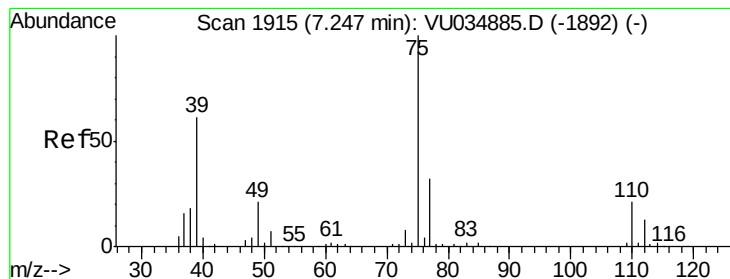
Tgt Ion: 63 Resp: 11445
 Ion Ratio Lower Upper
 63 100
 112 1.2 2.8 4.2#



#38
 Bromodichloromethane
 Concen: 3.606 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

Tgt Ion: 83 Resp: 13774
 Ion Ratio Lower Upper
 83 100
 85 61.3 44.4 82.4
 127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 2.923 ug/L

RT: 7.26 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

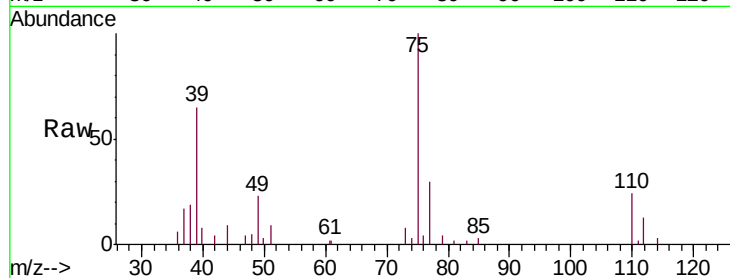
VSTD00532

Tgt Ion: 75 Resp: 13709

Ion Ratio Lower Upper

75 100

77 29.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU034885.D (-1892) (-)

Ion 77.00 (76.70 to 77.70): VU034885.D (-1892) (-)

7.26

6000

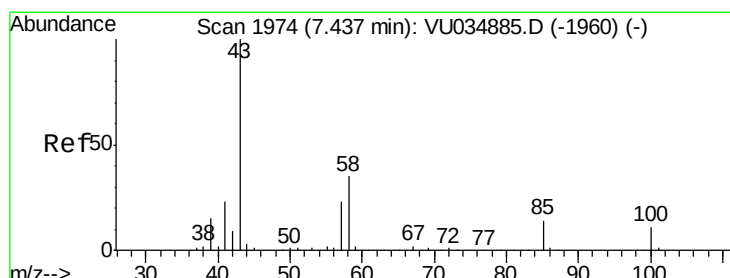
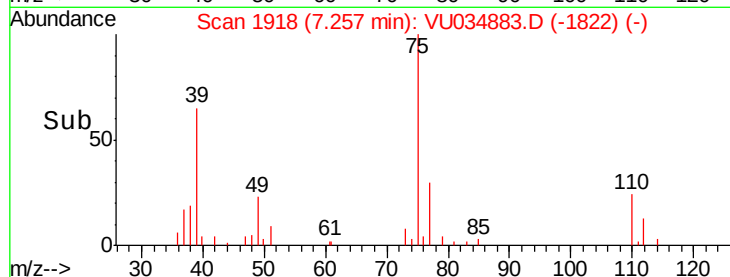
4000

2000

0

7.20 7.25 7.30

Time-->



#40

4-Methyl-2-pentanone

Concen: 7.028 ug/L

RT: 7.44 min Scan# 1976

Delta R.T. 0.01 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

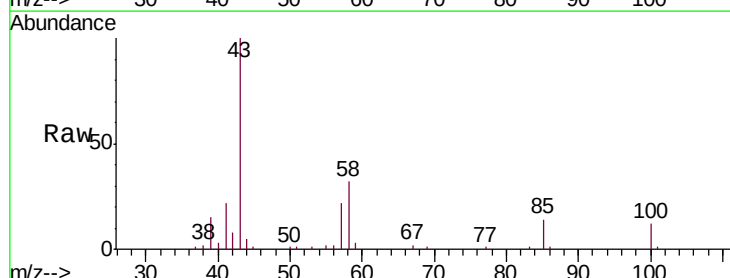
Tgt Ion: 43 Resp: 42345

Ion Ratio Lower Upper

43 100

58 33.1 27.5 41.3

100 11.5 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VU034885.D (-1960) (-)

Ion 58.00 (57.70 to 58.70): VU034885.D (-1960) (-)

Ion 100.00 (99.70 to 100.70): VU034885.D (-1960) (-)

7.44

25000

20000

15000

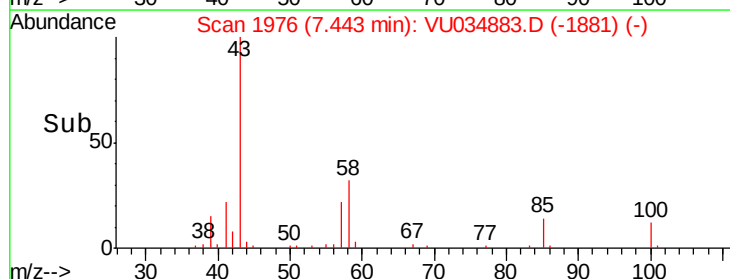
10000

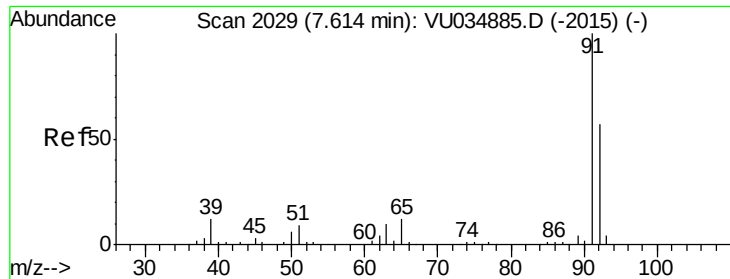
5000

0

7.40 7.45 7.50 7.55

Time-->





#42

Toluene

Concen: 3.187 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

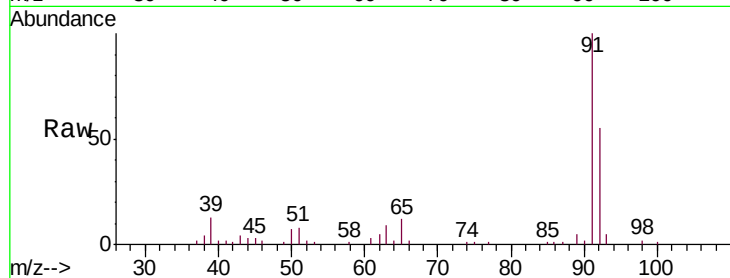
VSTD00532

Tgt Ion: 91 Resp: 35453

Ion Ratio Lower Upper

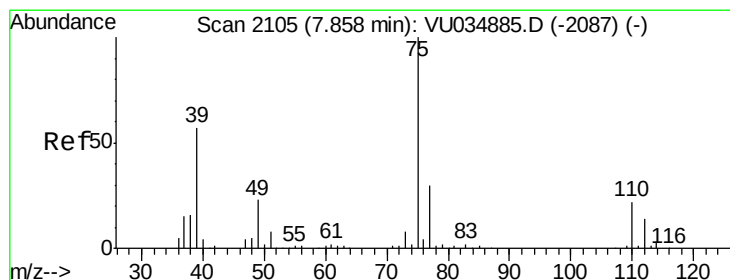
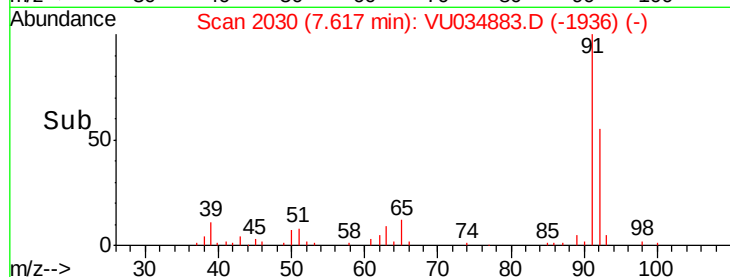
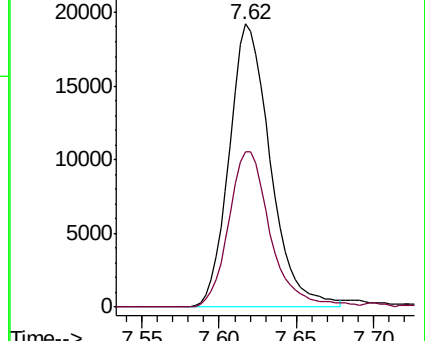
91 100

92 54.7 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU034885.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU034885.D (-2015) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.931 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034883.D

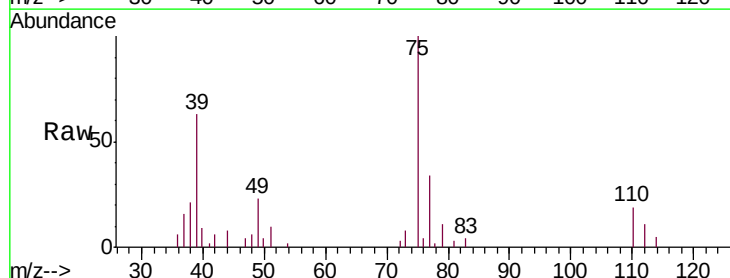
Acq: 30 Sep 2019 17:18

Tgt Ion: 75 Resp: 12280

Ion Ratio Lower Upper

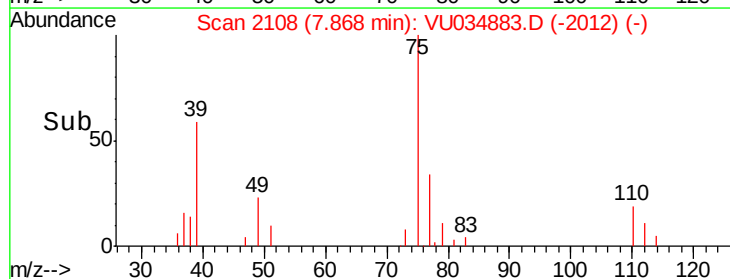
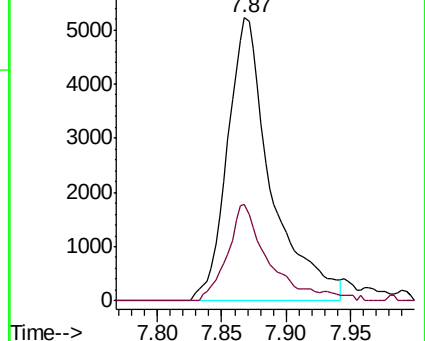
75 100

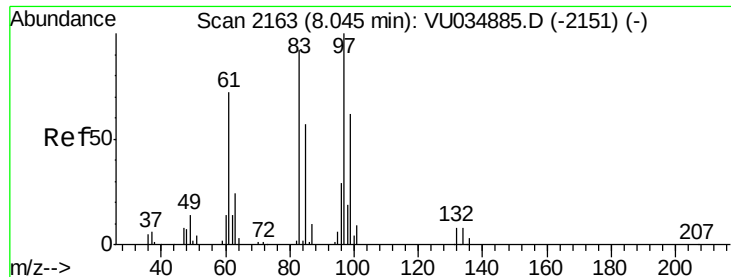
77 34.1 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034885.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU034885.D (-2087) (-)

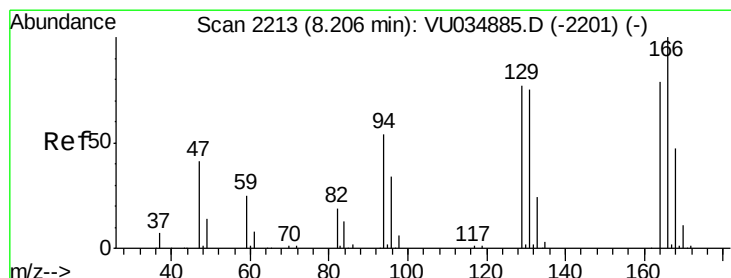
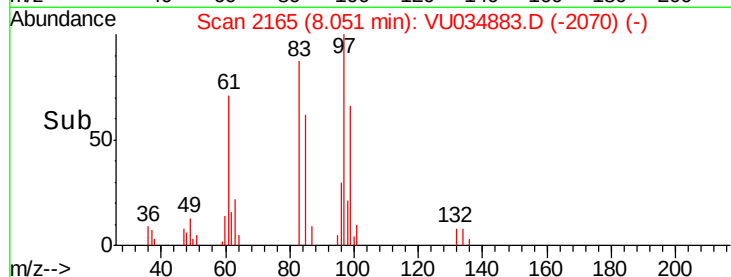
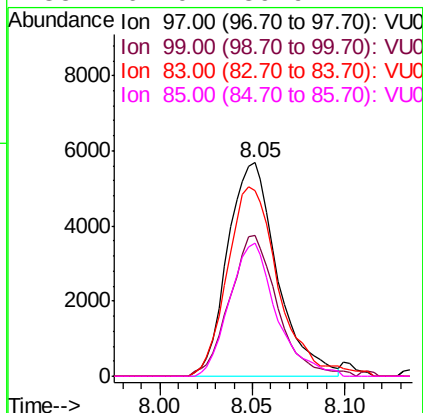
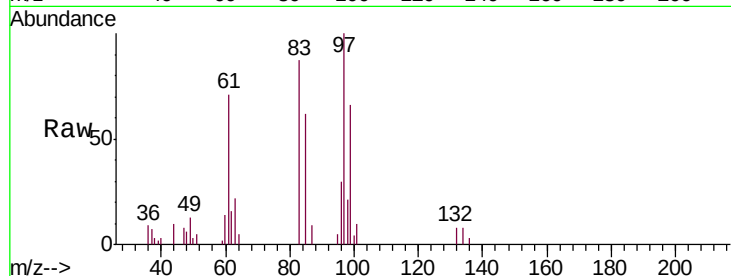




#45
 1,1,2-Trichloroethane
 Concen: 4.119 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.01 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

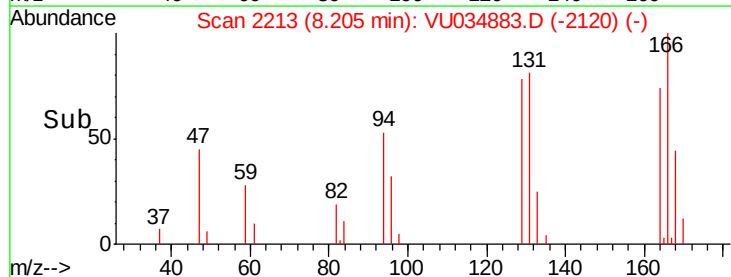
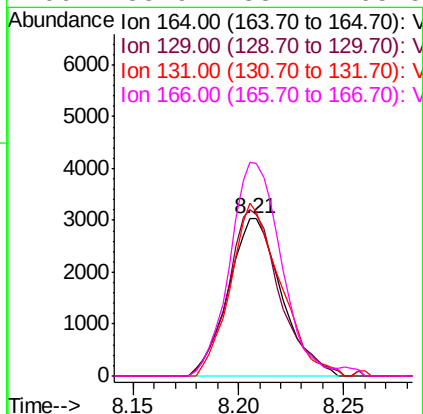
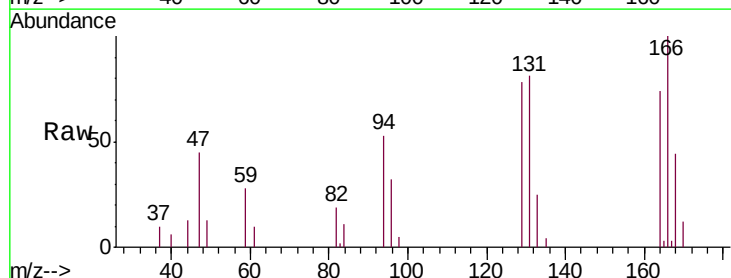
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

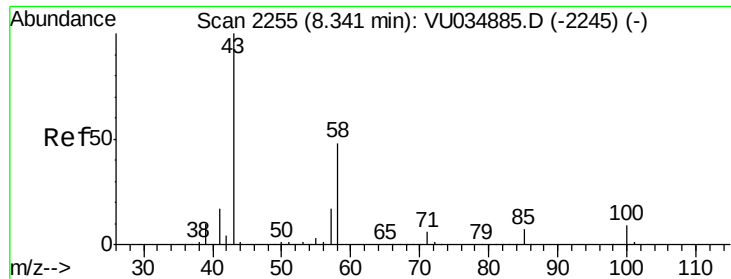
Tgt Ion:	97	Resp:	10567
Ion	Ratio	Lower	Upper
97	100		
99	66.0	43.3	80.5
83	87.0	64.3	119.5
85	62.0	39.9	74.1



#46
 Tetrachloroethene
 Concen: 2.996 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

Tgt Ion:	164	Resp:	5326
Ion	Ratio	Lower	Upper
164	100		
129	106.1	68.3	126.8
131	109.8	66.2	123.0
166	135.9	88.1	163.5

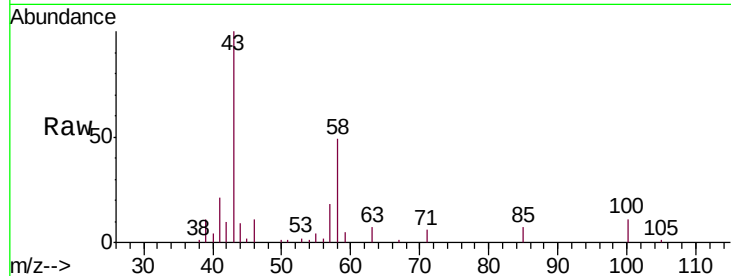




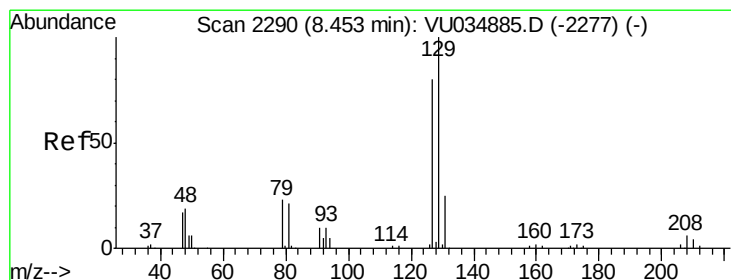
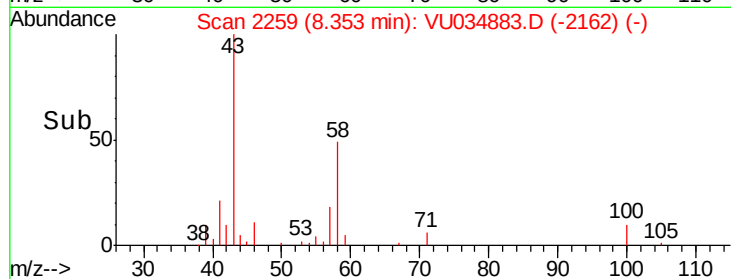
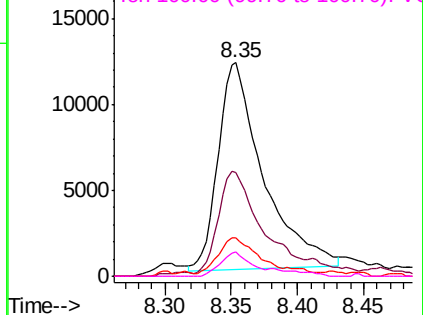
#48
2-Hexanone
Concen: 6.109 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion:	43	Resp:	28525
Ion	Ratio	Lower	Upper
43	100		
58	45.7	37.8	56.8
57	14.8	13.4	20.0
100	7.7	7.1	10.7

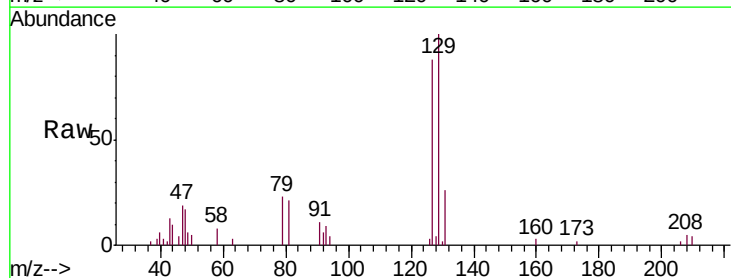


Abundance Ion 43.00 (42.70 to 43.70): VU034883.D (-2162) (-)
Ion 58.00 (57.70 to 58.70): VU034883.D (-2162) (-)
Ion 57.00 (56.70 to 57.70): VU034883.D (-2162) (-)
Ion 100.00 (99.70 to 100.70): VU034883.D (-2162) (-)

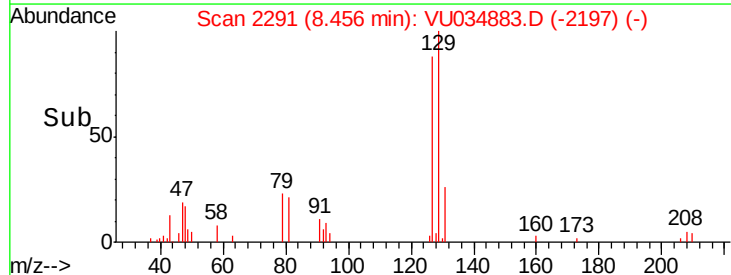
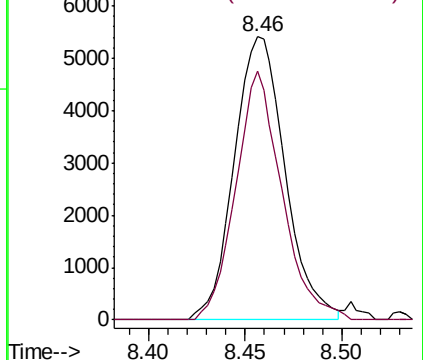


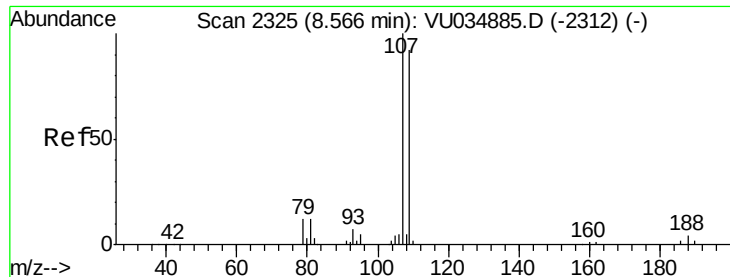
#49
Dibromochloromethane
Concen: 3.500 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034883.D
Acq: 30 Sep 2019 17:18

Tgt Ion:	129	Resp:	9932
Ion	Ratio	Lower	Upper
129	100		
127	88.0	55.8	103.6



Abundance Ion 129.00 (128.70 to 129.70): VU034883.D (-2197) (-)
Ion 127.00 (126.70 to 127.70): VU034883.D (-2197) (-)





#50

1,2-Dibromoethane

Concen: 3.475 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

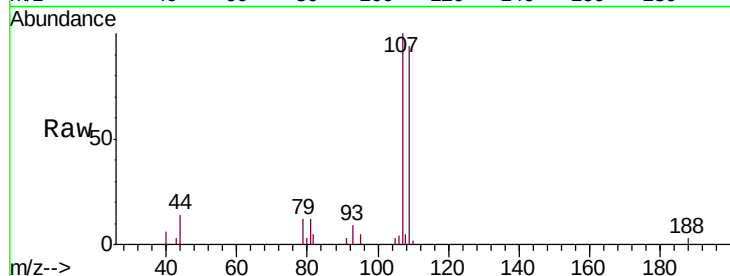
Tgt Ion:107 Resp: 9374

Ion Ratio Lower Upper

107 100

109 94.3 64.6 120.0

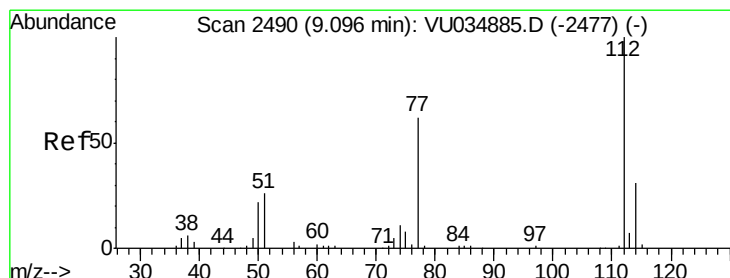
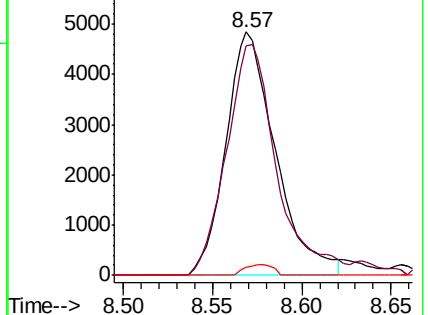
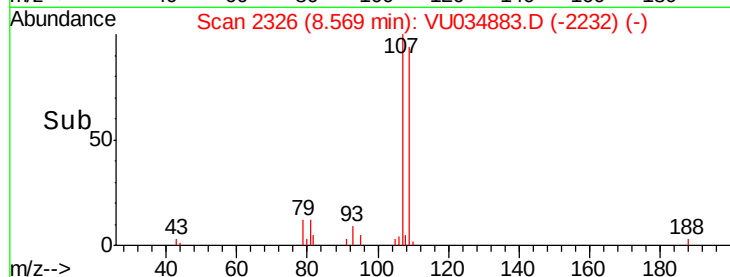
188 3.4 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 3.607 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

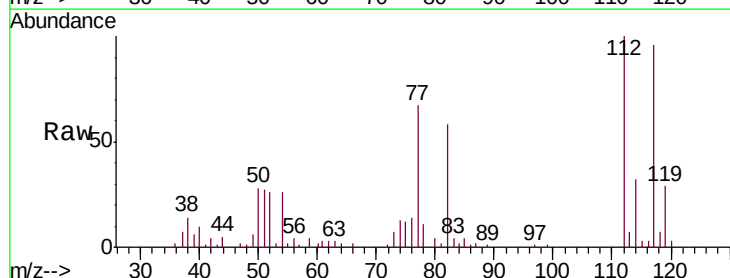
Tgt Ion:112 Resp: 24795

Ion Ratio Lower Upper

112 100

114 31.9 21.7 40.3

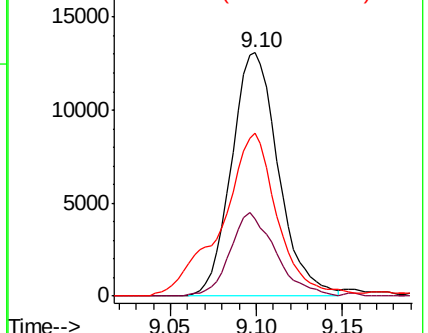
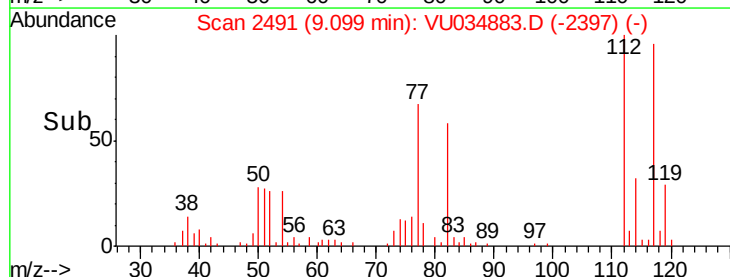
77 66.8 50.1 75.1

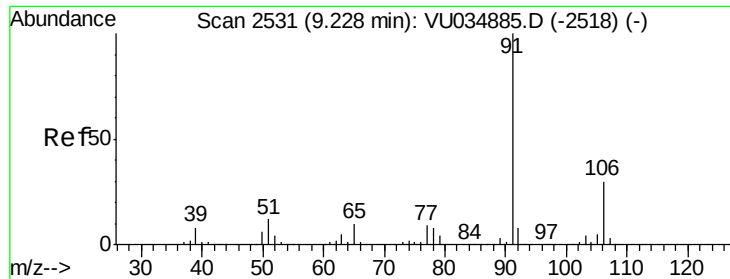


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 3.173 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

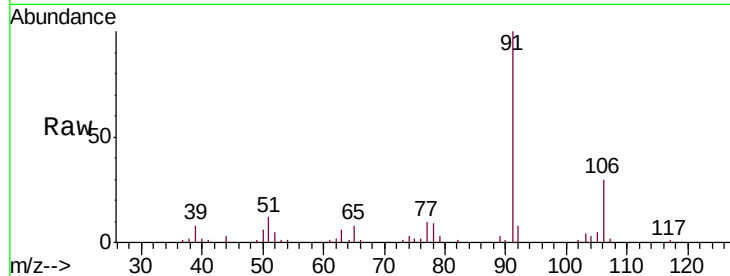
VSTD00532

Tgt Ion: 91 Resp: 40075

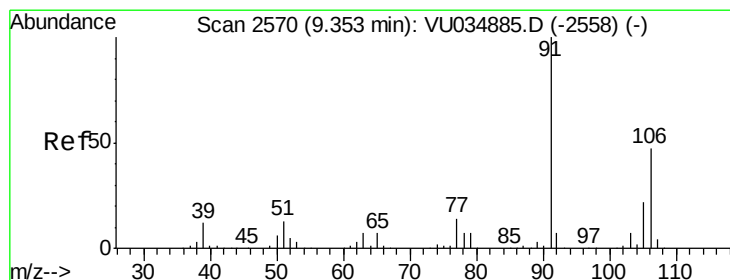
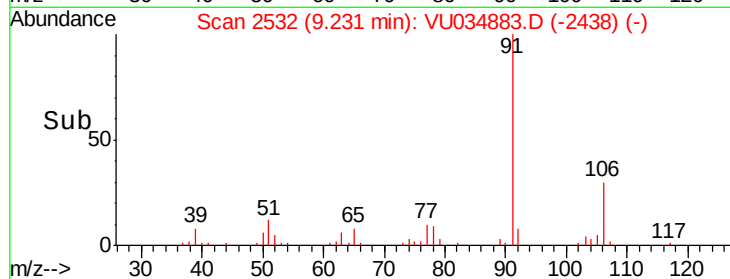
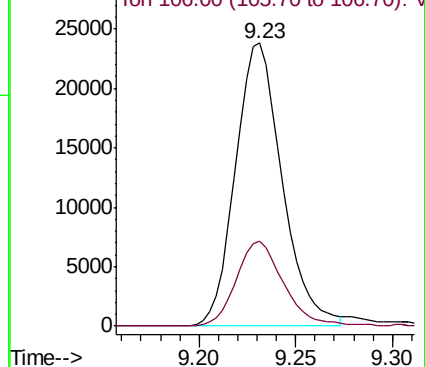
Ion Ratio Lower Upper

91 100

106 29.8 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU034883.D (-2518) (-)



#53

m,p-Xylene

Concen: 3.158 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034883.D

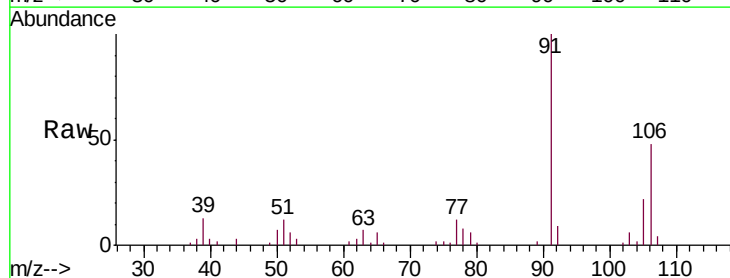
Acq: 30 Sep 2019 17:18

Tgt Ion: 106 Resp: 14047

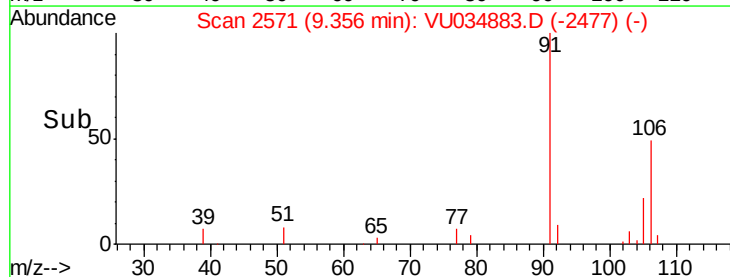
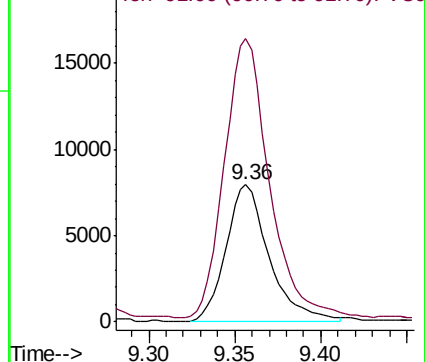
Ion Ratio Lower Upper

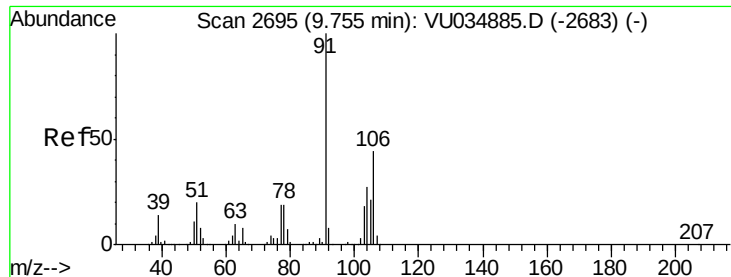
106 100

91 206.3 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): VU034883.D (-2558) (-)





#54

o-xylene

Concen: 3.347 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

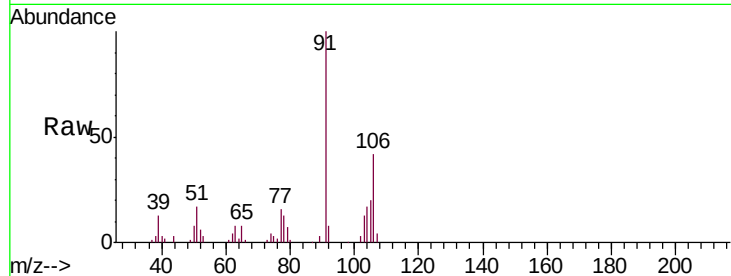
VSTD00532

Tgt Ion:106 Resp: 14879

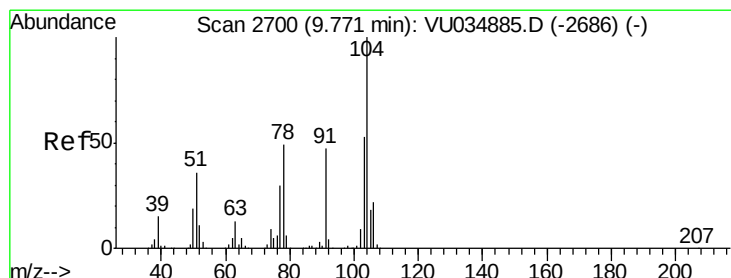
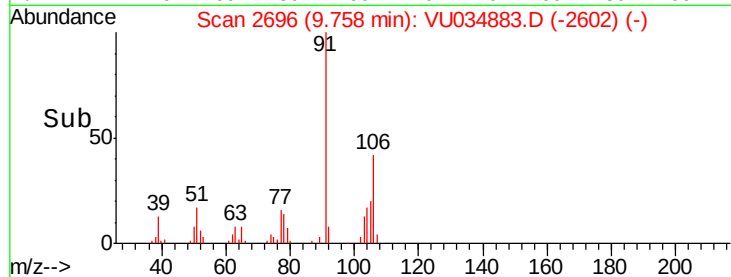
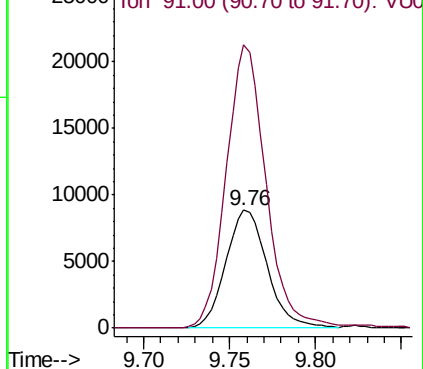
Ion Ratio Lower Upper

106 100

91 240.5 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 3.130 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.01 min

Lab File: VU034883.D

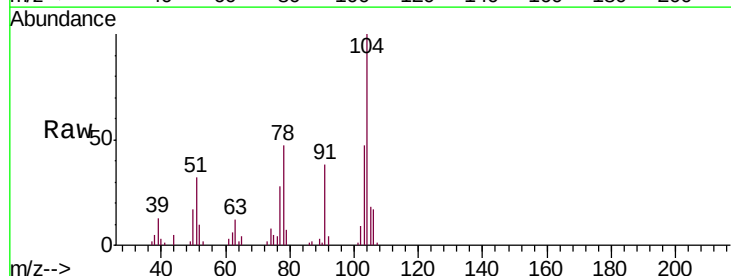
Acq: 30 Sep 2019 17:18

Tgt Ion:104 Resp: 23674

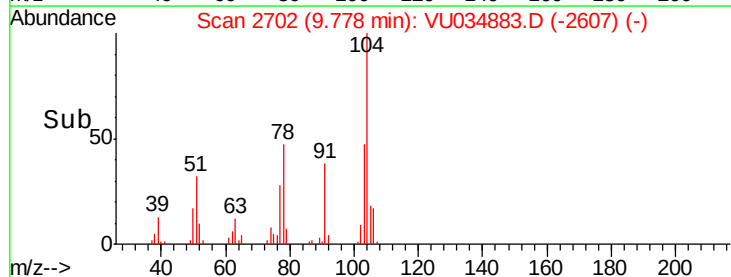
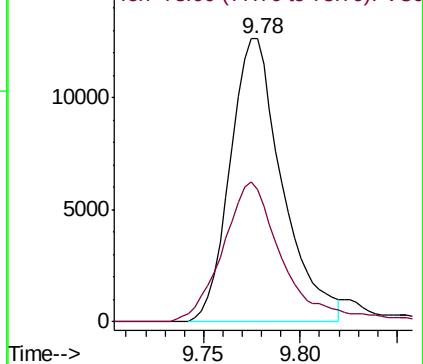
Ion Ratio Lower Upper

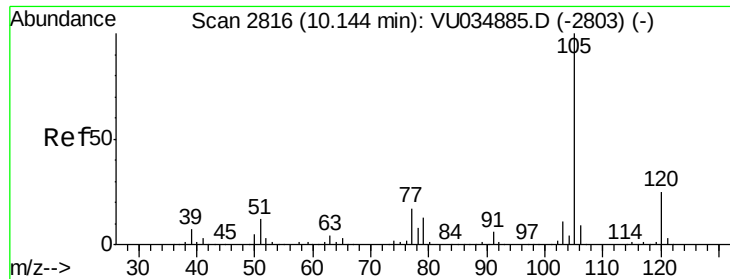
104 100

78 46.6 34.6 64.2



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 3.375 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

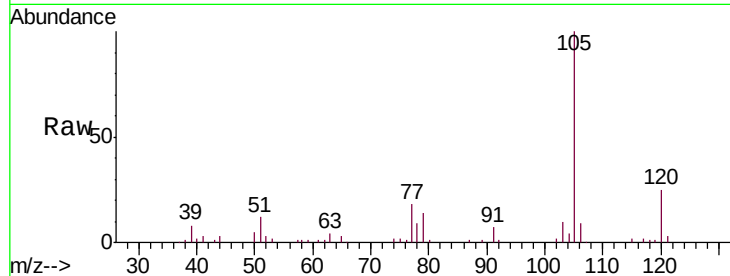
Tgt Ion: 105 Resp: 40728

Ion Ratio Lower Upper

105 100

120 24.8 20.2 30.4

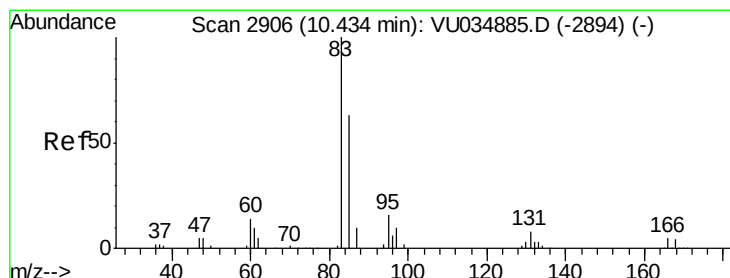
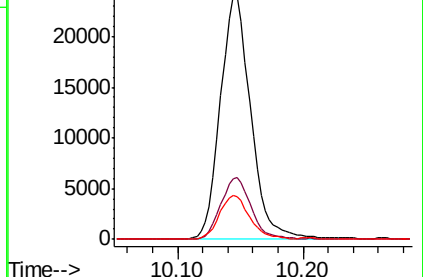
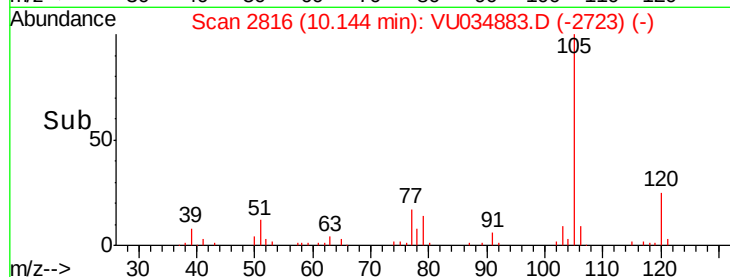
77 17.9 13.7 20.5



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: 4.309 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

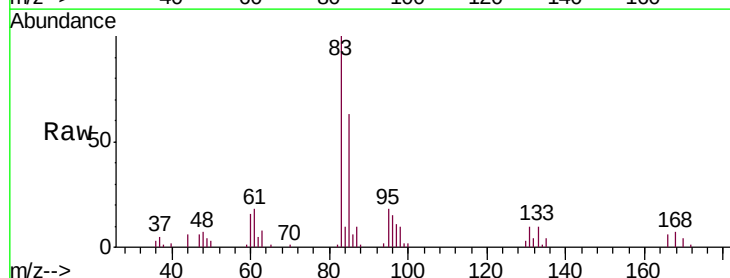
Tgt Ion: 83 Resp: 21368

Ion Ratio Lower Upper

83 100

85 63.4 44.6 82.8

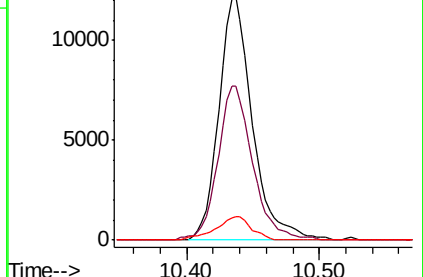
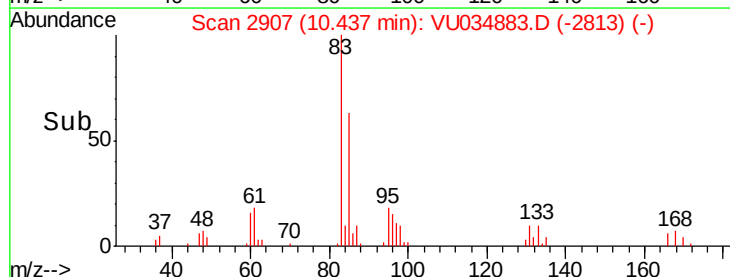
131 9.7 6.8 10.2

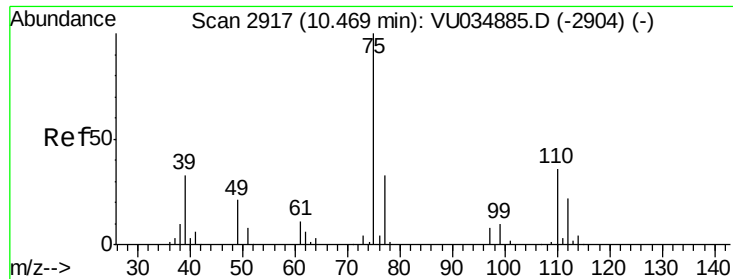


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

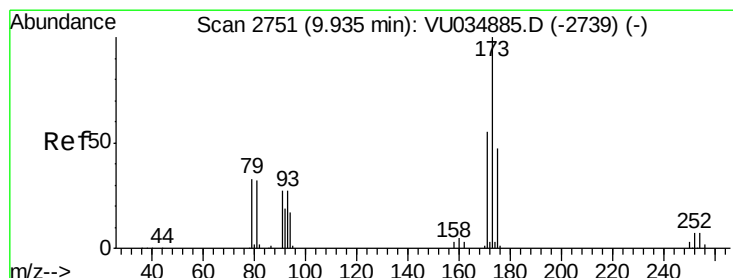
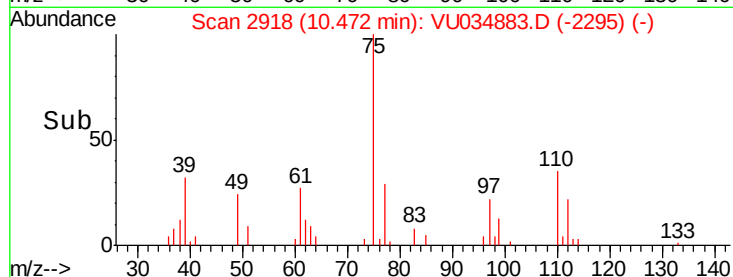
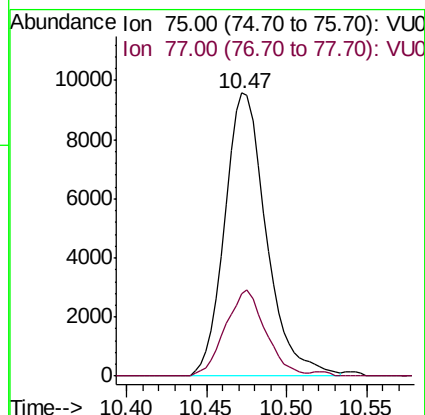
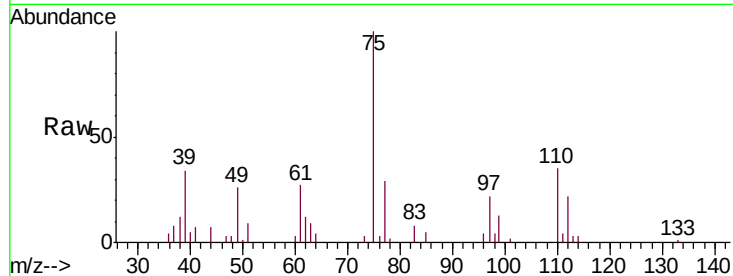




#59
 1,2,3-Trichloropropane
 Concen: 4.246 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

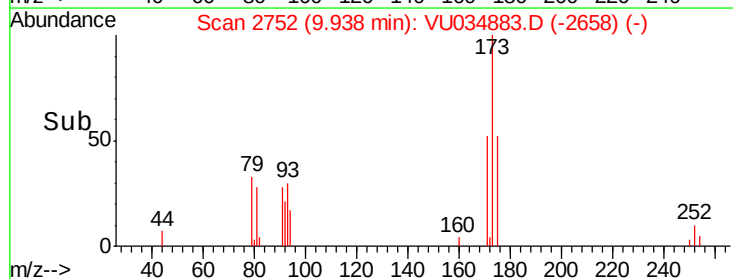
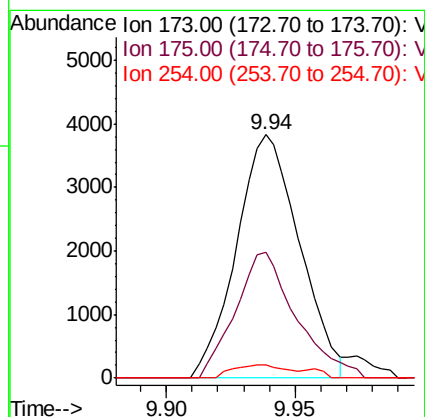
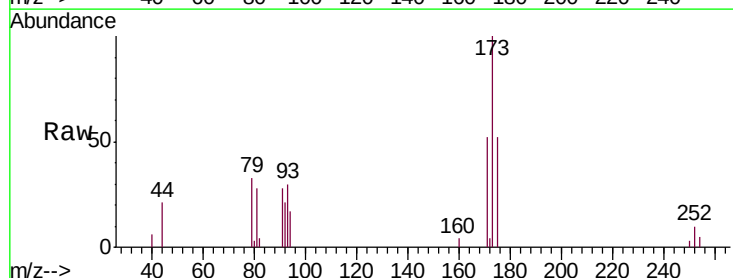
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

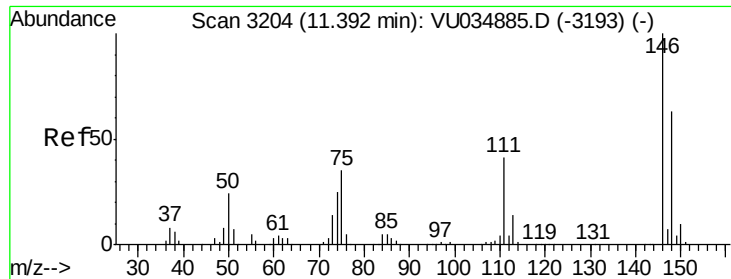
Tgt Ion: 75 Resp: 17052
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.9 38.9



#61
 Bromoform
 Concen: 3.835 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

Tgt Ion: 173 Resp: 6527
 Ion Ratio Lower Upper
 173 100
 175 49.8 37.7 56.5
 254 4.7 5.5 8.3#

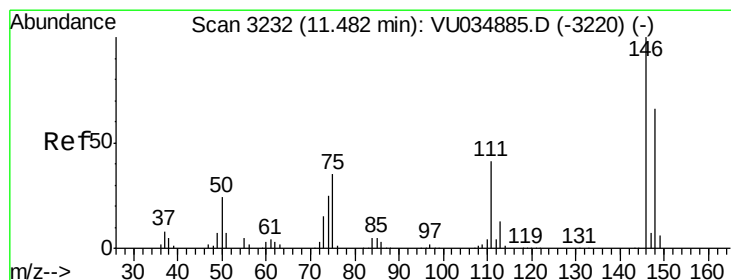
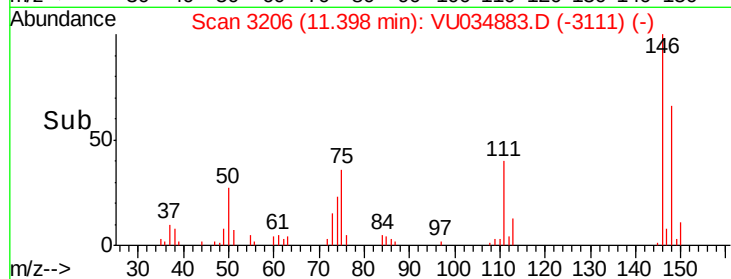
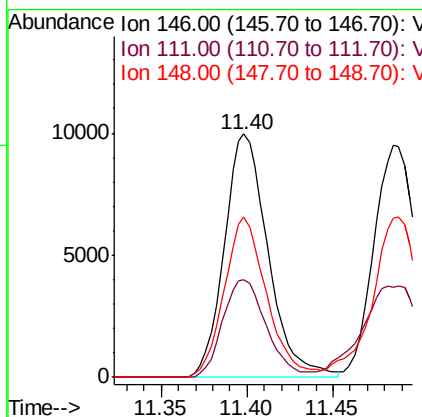
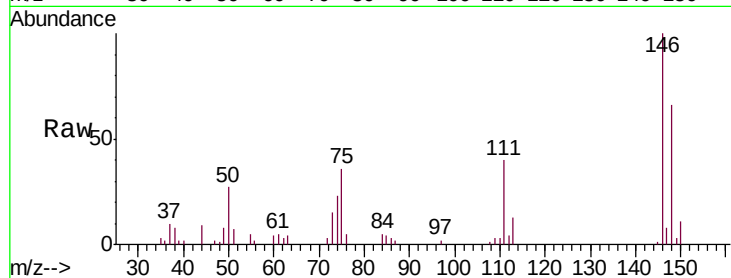




#62
 1,3-Dichlorobenzene
 Concen: 4.138 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.01 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

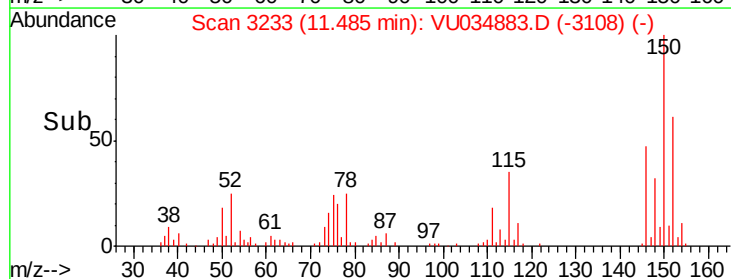
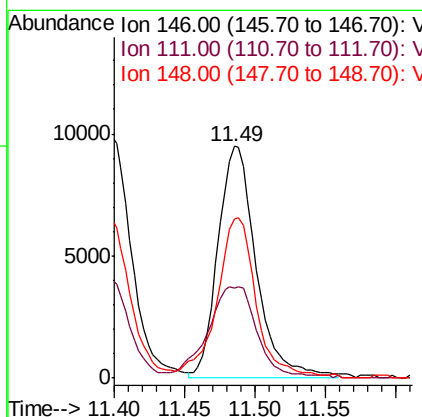
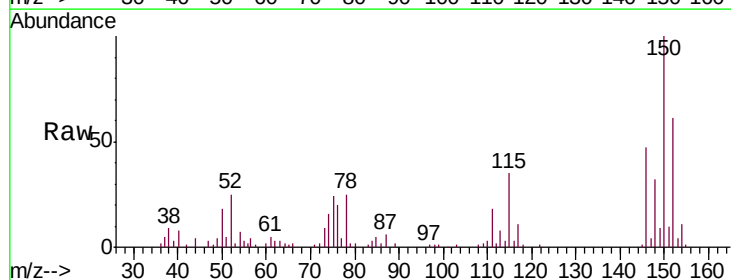
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

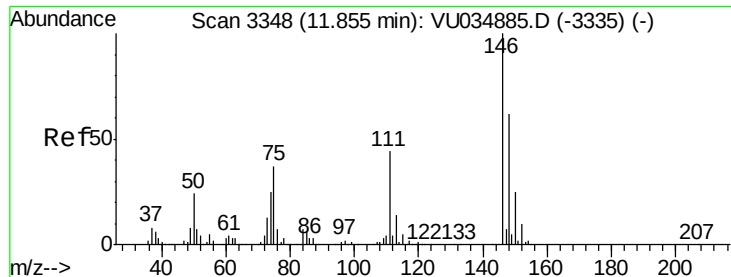
Tgt Ion:146 Resp: 17668
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.9 53.7
 148 65.9 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 4.142 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

Tgt Ion:146 Resp: 17981
 Ion Ratio Lower Upper
 146 100
 111 38.6 29.2 54.2
 148 68.5 46.1 85.5





#65

1,2-Dichlorobenzene

Concen: 4.291 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

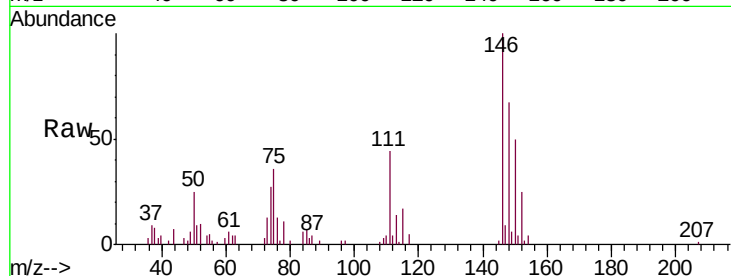
Tgt Ion:146 Resp: 18712

Ion Ratio Lower Upper

146 100

111 43.9 34.9 52.3

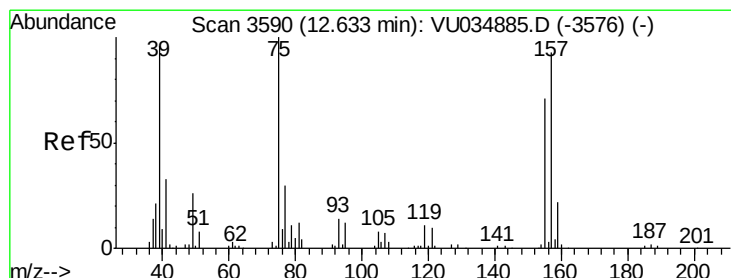
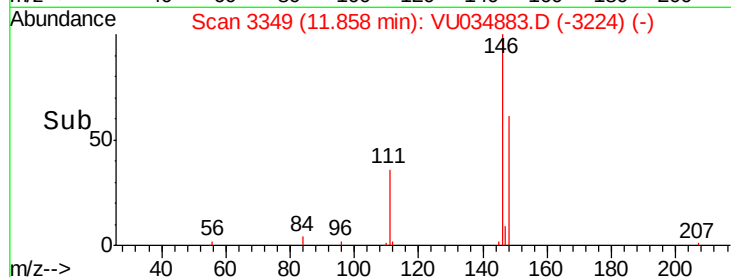
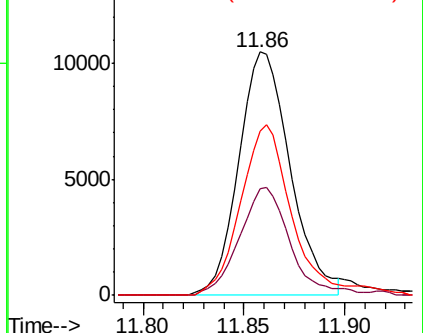
148 67.3 50.0 75.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 3.329 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.01 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

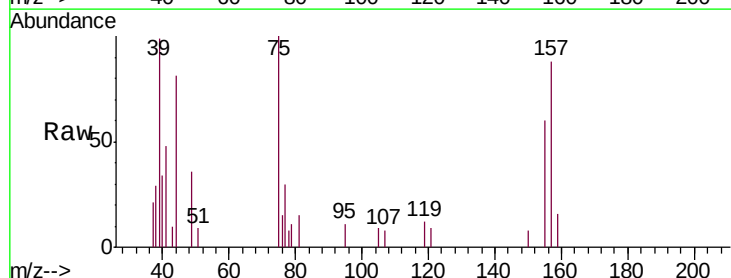
Tgt Ion: 75 Resp: 3087

Ion Ratio Lower Upper

75 100

155 60.1 57.0 85.6

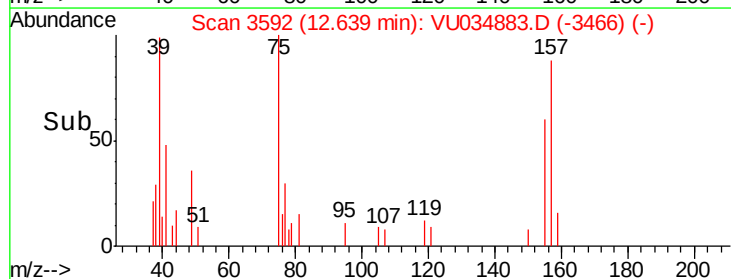
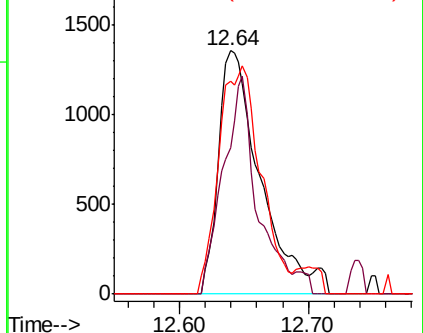
157 87.7 74.2 111.4

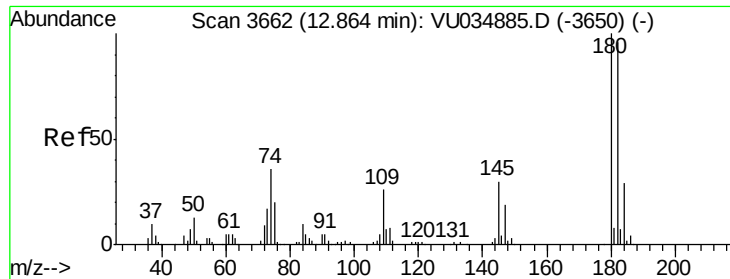


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

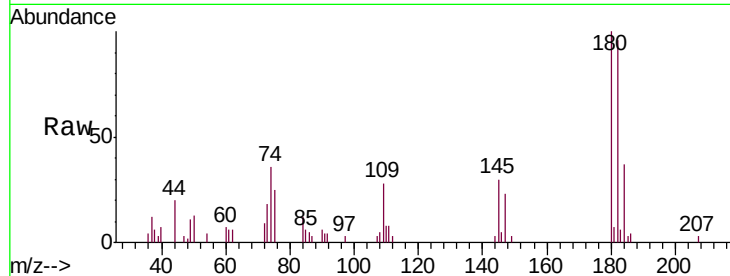




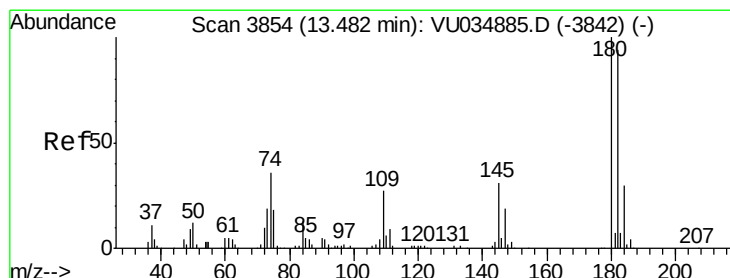
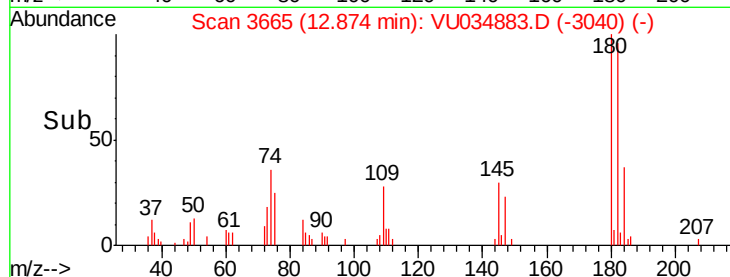
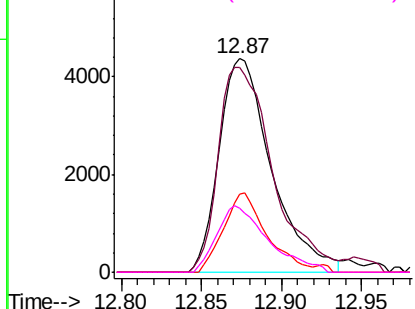
#67
 1,3,5-Trichlorobenzene
 Concen: 3.394 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.01 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Tgt Ion:180 Resp: 9844
 Ion Ratio Lower Upper
 180 100
 182 100.1 76.2 114.2
 184 30.5 23.8 35.6
 145 30.5 23.8 35.6

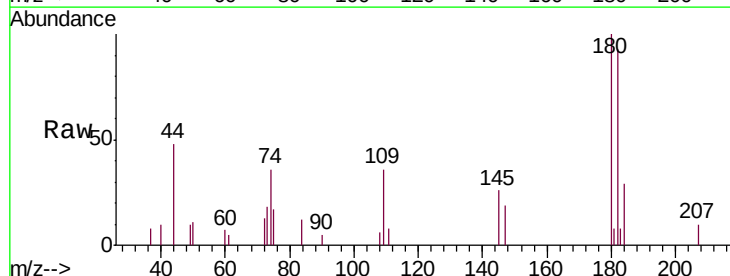


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

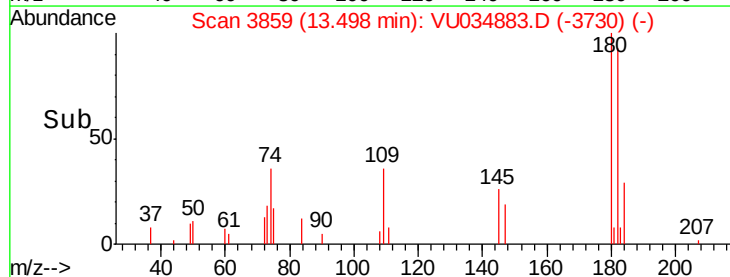
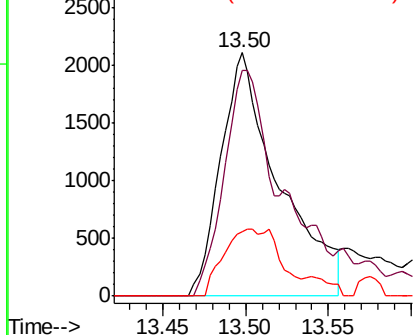


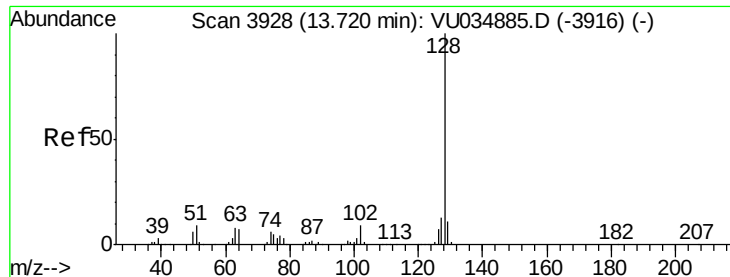
#68
 1,2,4-trichlorobenzene
 Concen: 2.270 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.02 min
 Lab File: VU034883.D
 Acq: 30 Sep 2019 17:18

Tgt Ion:180 Resp: 5147
 Ion Ratio Lower Upper
 180 100
 182 65.1 73.4 110.2#
 145 16.5 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





#69

Naphthalene

Concen: 1.785 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.02 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

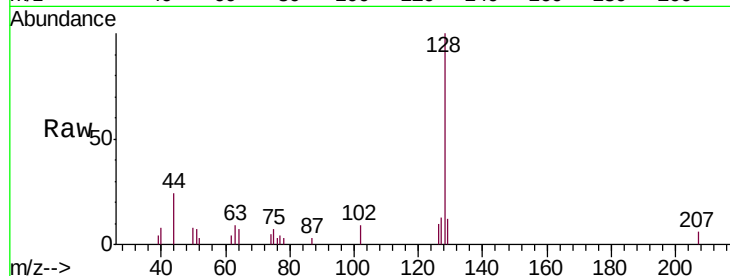
Tgt Ion:128 Resp: 13963

Ion Ratio Lower Upper

128 100

127 4.8 10.4 15.6#

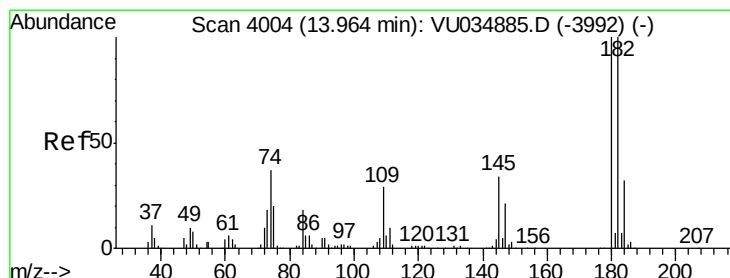
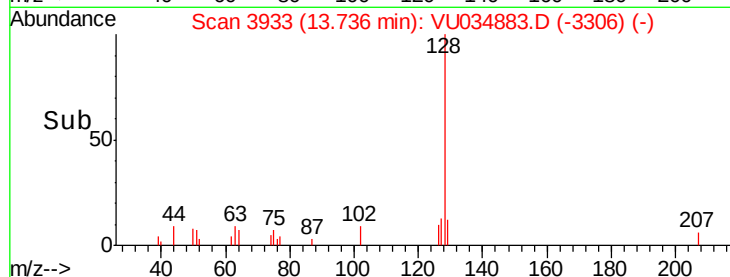
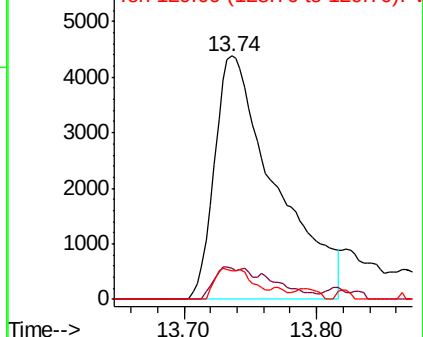
129 3.6 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 3.134 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.01 min

Lab File: VU034883.D

Acq: 30 Sep 2019 17:18

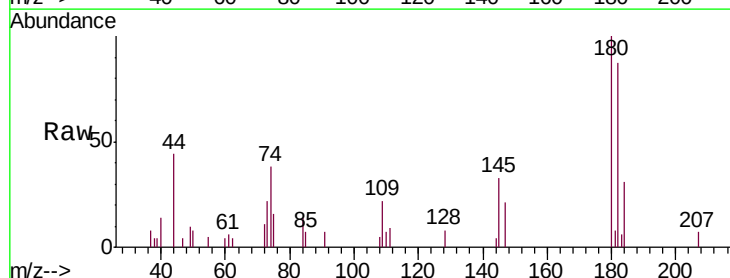
Tgt Ion:180 Resp: 7399

Ion Ratio Lower Upper

180 100

182 95.2 77.7 116.5

145 27.5 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

