

Data File : VU035305.D
Acq On : 19 Oct 2019 09:09
Operator : JC/SP
Sample : VSTD00534
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Quant Time: Oct 21 04:52:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 04:45:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	659417	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	634795	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	224064	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	27722	4.87	ug/L	0.00
7) Chloroethane-d5	1.93	69	23289	4.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	46712	4.98	ug/L	0.00
21) 2-Butanone-d5	4.70	46	37552	10.07	ug/L	0.00
24) Chloroform-d	5.12	84	43393	4.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	30455	5.10	ug/L	0.00
32) Benzene-d6	5.77	84	89763	4.83	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	29295	4.99	ug/L	0.00
41) Toluene-d8	7.93	98	84802	4.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	14511	4.71	ug/L	0.00
47) 2-Hexanone-d5	8.69	63	11143	4.38	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	43756	5.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	32298	6.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	28328	5.328 ug/L	99
3) Chloromethane	1.54	50	28463	5.300 ug/L	99
5) Vinyl chloride	1.62	62	28547	5.128 ug/L	93
6) Bromomethane	1.88	94	17428	5.369 ug/L	100
8) Chloroethane	1.96	64	17947	5.240 ug/L	96
9) Trichlorofluoromethane	2.16	101	37120	5.258 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	21738	5.200 ug/L	98
12) 1,1-Dichloroethene	2.61	96	20731	5.190 ug/L	96
13) Acetone	2.67	43	35277	10.408 ug/L	100
14) Carbon disulfide	2.83	76	71588	5.856 ug/L	99
15) Methyl Acetate	3.00	43	25374	5.212 ug/L	100
16) Methylene chloride	3.09	84	25075	5.301 ug/L	92
17) trans-1,2-Dichloroethene	3.40	96	21799	5.075 ug/L	99
18) Methyl tert-butyl Ether	3.43	73	68481	4.974 ug/L	100
19) 1,1-Dichloroethane	3.93	63	41813	5.069 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	24718	5.090 ug/L	95
22) 2-Butanone	4.78	43	39910	9.779 ug/L	93
23) Bromochloromethane	5.03	128	12641	5.178 ug/L	97
25) Chloroform	5.14	83	43927	5.207 ug/L	100
27) 1,2-Dichloroethane	5.84	62	33704	5.102 ug/L	100
29) Cyclohexane	5.43	56	37086	5.197 ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	35746	5.127 ug/L	98
31) Carbon tetrachloride	5.57	117	31355	5.135 ug/L	99
33) Benzene	5.82	78	90873	5.010 ug/L	100
34) Trichloroethene	6.58	95	24301	5.231 ug/L	96
35) Methylcyclohexane	6.80	83	36586	5.121 ug/L	96
37) 1,2-Dichloropropane	6.83	63	23798	5.064 ug/L	100
38) Bromodichloromethane	7.15	83	31266	5.017 ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	35360	4.652 ug/L	97
40) 4-Methyl-2-pentanone	7.85	43	70097	10.577 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	101131	5.153	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	33942	4.790	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	23481	5.159	ug/L	98
46) Tetrachloroethene	8.58	164	19717	5.280	ug/L	96
48) 2-Hexanone	8.75	43	73035	13.299	ug/L #	98
49) Dibromochloromethane	8.84	129	25525	4.966	ug/L	96
50) 1,2-Dibromoethane	8.96	107	25869	5.122	ug/L #	98
51) Chlorobenzene	9.48	112	66904	5.297	ug/L	98
52) Ethylbenzene	9.60	91	111106	5.123	ug/L	100
53) m,p-Xylene	9.73	106	39830	5.003	ug/L	95
54) o-xylene	10.13	106	38811	4.810	ug/L	94
55) Styrene	10.15	104	57835	4.315	ug/L	98
56) Isopropylbenzene	10.51	105	98915	4.781	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.82	83	39553	4.956	ug/L	98
59) 1,2,3-Trichloropropane	10.86	75	31831	5.104	ug/L	99
61) Bromoform	10.32	173	17756	5.743	ug/L	99
62) 1,3-Dichlorobenzene	11.78	146	40554	5.707	ug/L	97
63) 1,4-Dichlorobenzene	11.87	146	42192	6.054	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	39800	5.611	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.03	75	6009	5.341	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	19857	4.938	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	11649	4.557	ug/L	98
69) Naphthalene	14.11	128	33177	5.197	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	13145	4.872	ug/L	98

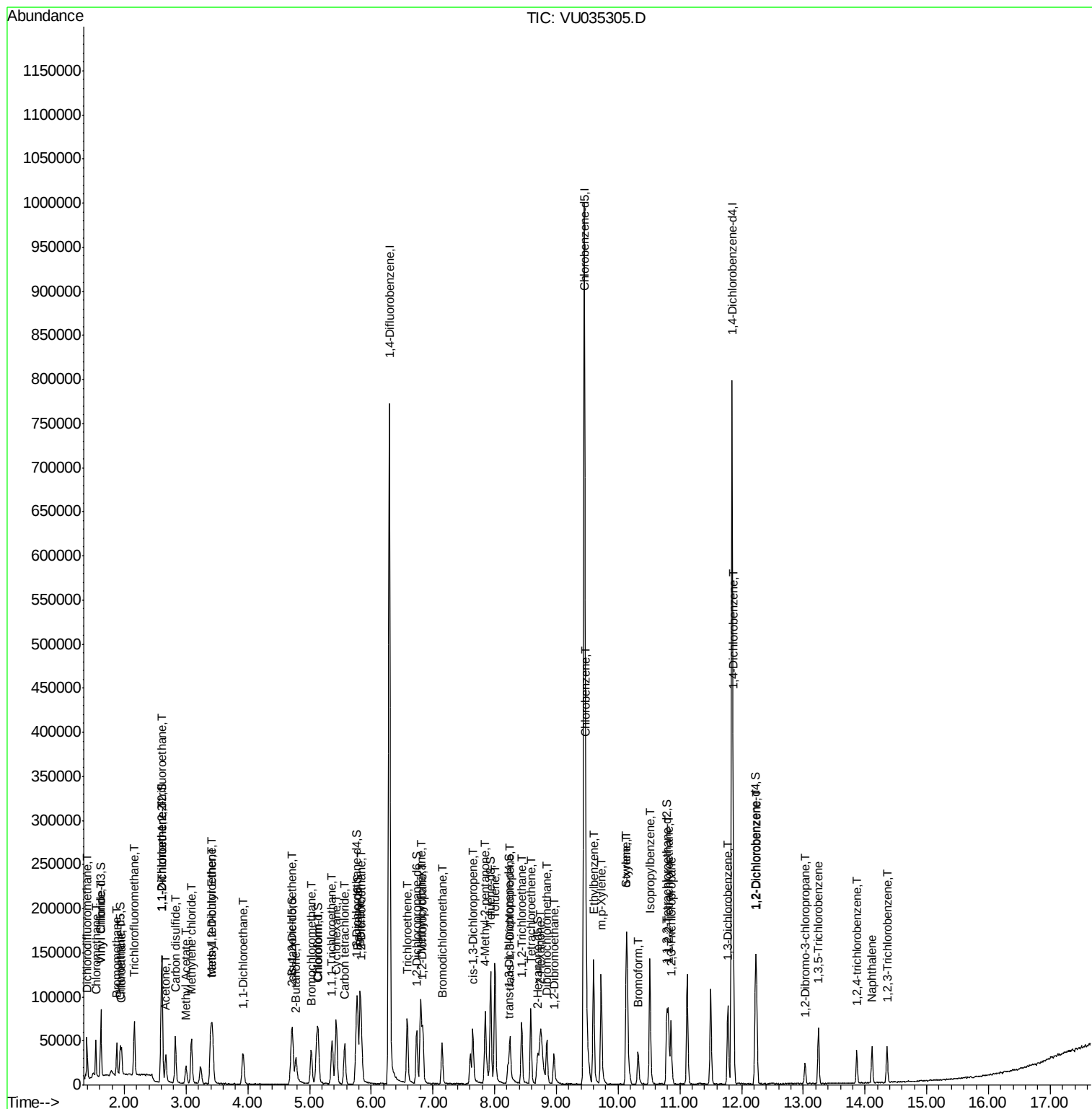
(#) = qualifier out of range (m) = manual integration (+) = signals summed

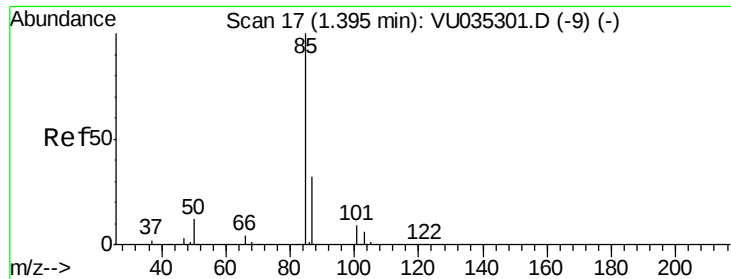
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#2

Dichlorodifluoromethane

Concen: 5.328 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

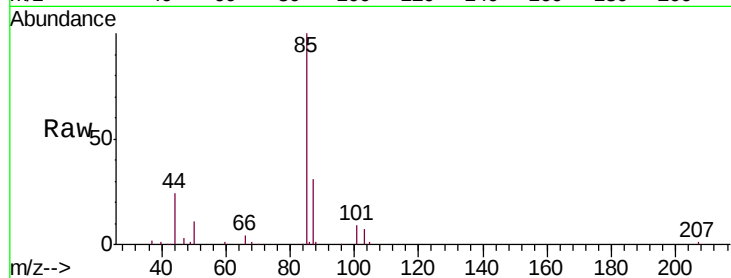
VSTD00534

Tgt Ion: 85 Resp: 28328

Ion Ratio Lower Upper

85 100

87 31.2 25.5 38.3

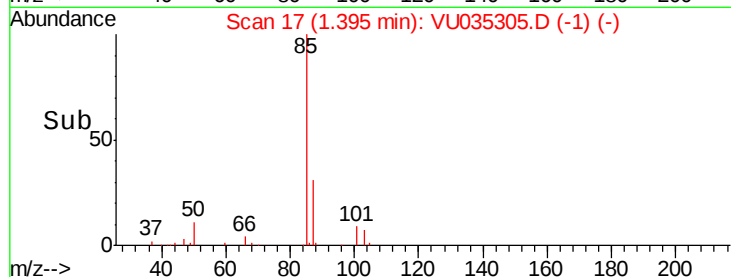


Abundance Ion 85.00 (84.70 to 85.70): VU035305.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035305.D (-1) (-)

1.39

Time-->



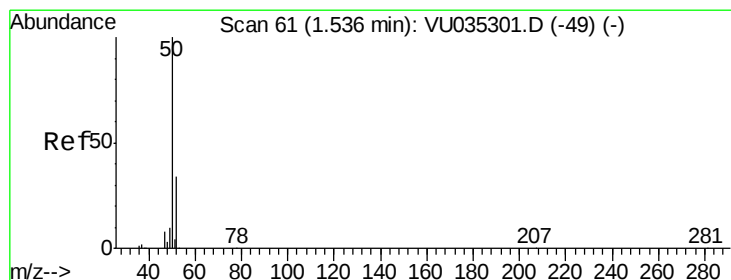
Abundance

Ion 85.00 (84.70 to 85.70): VU035305.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035305.D (-1) (-)

1.39

Time-->



#3

Chloromethane

Concen: 5.300 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035305.D

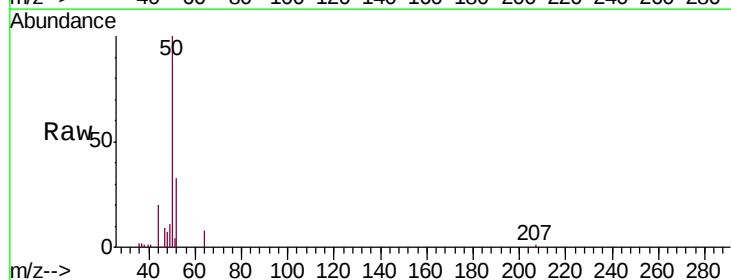
Acq: 19 Oct 2019 09:09

Tgt Ion: 50 Resp: 28463

Ion Ratio Lower Upper

50 100

52 32.9 23.6 43.8

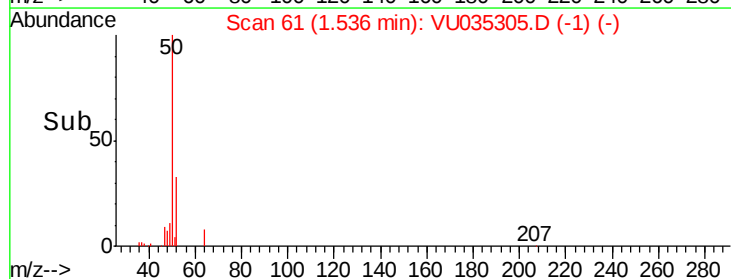


Abundance Ion 50.00 (49.70 to 50.70): VU035305.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU035305.D (-1) (-)

1.54

Time-->



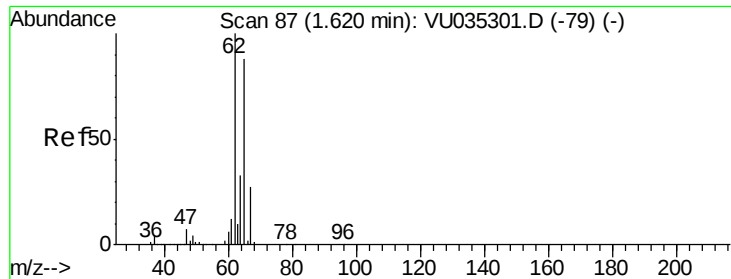
Abundance

Ion 50.00 (49.70 to 50.70): VU035305.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU035305.D (-1) (-)

1.54

Time-->



#5

Vinyl chloride

Concen: 5.128 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

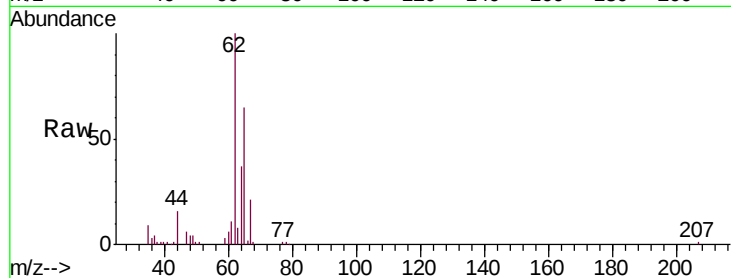
VSTD00534

Tgt Ion: 62 Resp: 28547

Ion Ratio Lower Upper

62 100

64 37.5 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU035305.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU035305.D (-1) (-)

1.62

25000

20000

15000

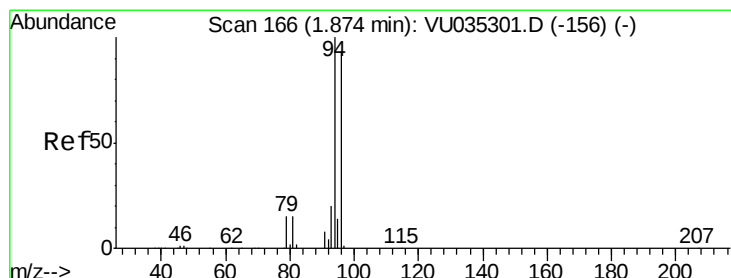
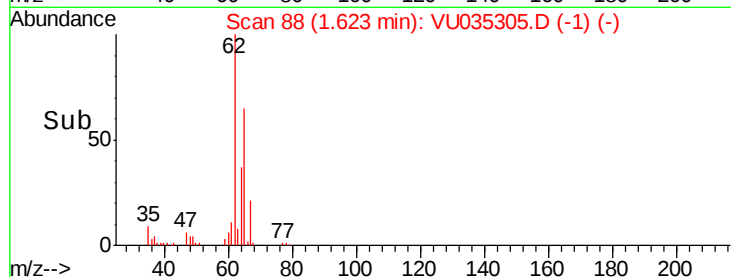
10000

5000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 5.369 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035305.D

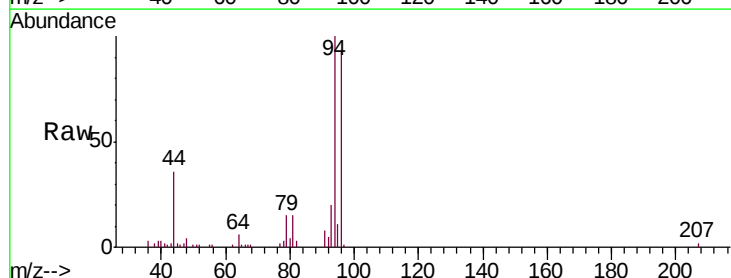
Acq: 19 Oct 2019 09:09

Tgt Ion: 94 Resp: 17428

Ion Ratio Lower Upper

94 100

96 93.3 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU035305.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035305.D (-73) (-)

1.88

15000

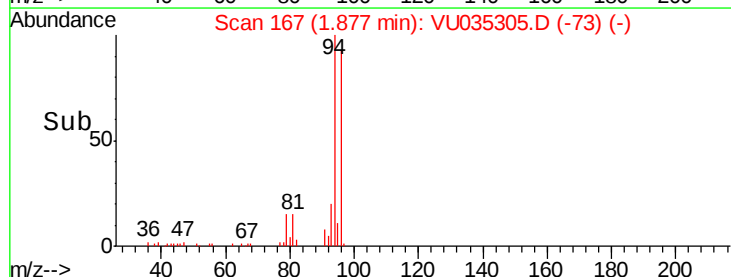
10000

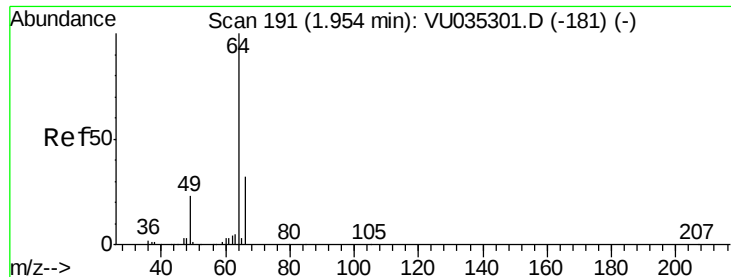
5000

0

1.85 1.90 1.95

Time-->

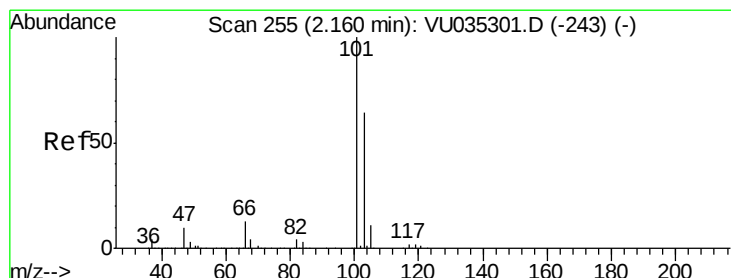
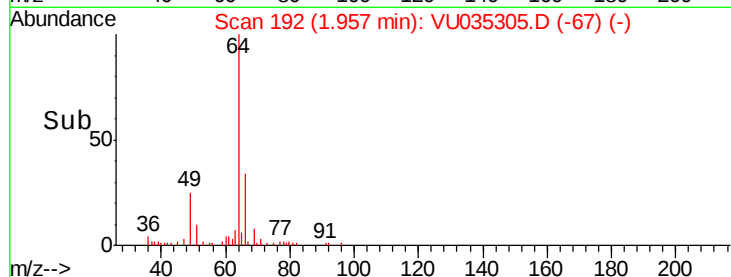
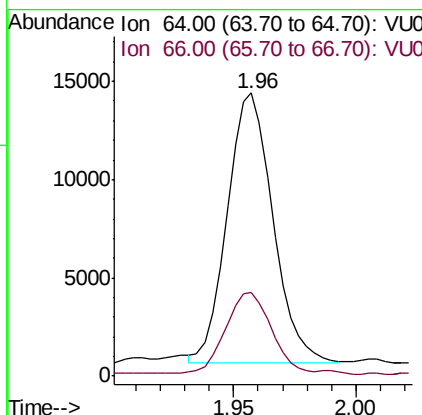
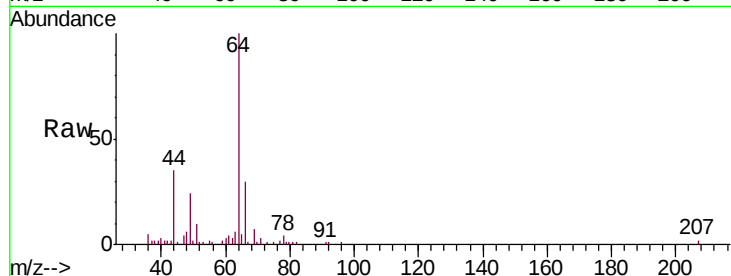




#8
Chloroethane
Concen: 5.240 ug/L
RT: 1.96 min Scan# 192
Delta R.T. 0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

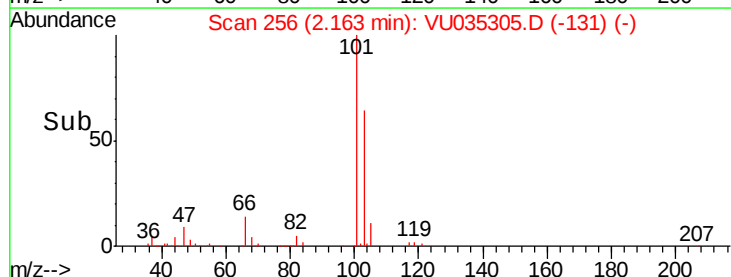
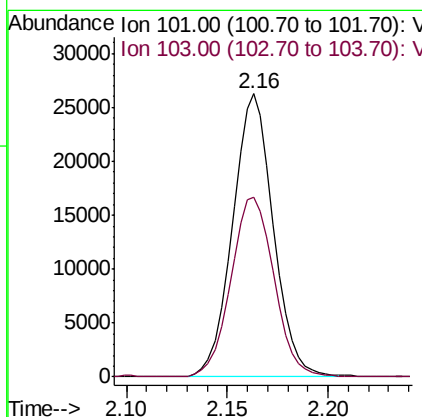
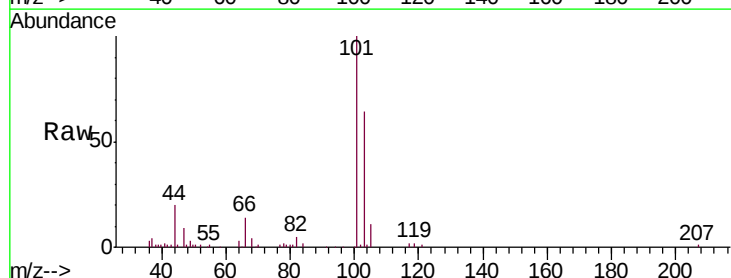
Instrument :
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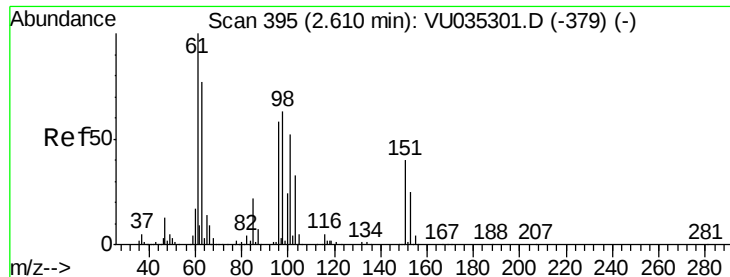
Tgt Ion: 64 Resp: 17947
Ion Ratio Lower Upper
64 100
66 29.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.258 ug/L
RT: 2.16 min Scan# 256
Delta R.T. 0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

Tgt Ion: 101 Resp: 37120
Ion Ratio Lower Upper
101 100
103 67.2 51.4 77.0





#10

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

Concen: 5.200 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

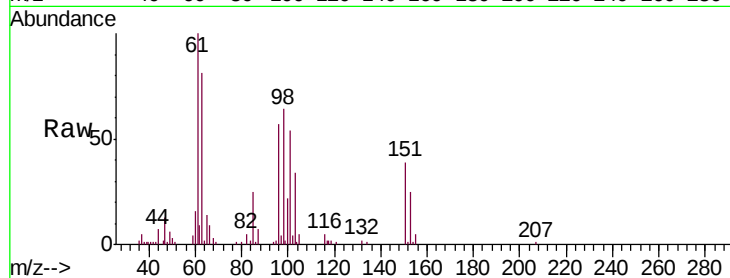
Tgt Ion:101 Resp: 21738

Ion Ratio Lower Upper

101 100

85 43.4 33.7 50.5

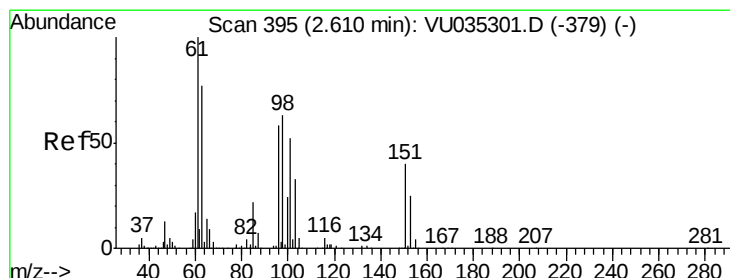
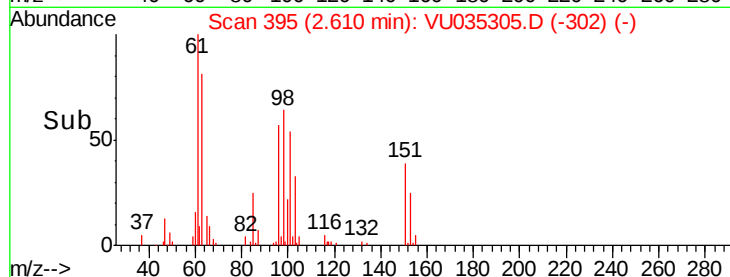
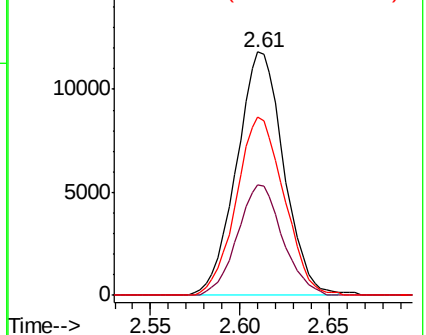
151 74.0 60.3 90.5



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: 5.190 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

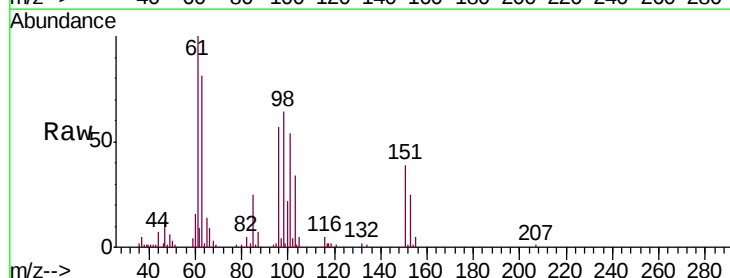
Tgt Ion: 96 Resp: 20731

Ion Ratio Lower Upper

96 100

61 175.4 121.1 224.9

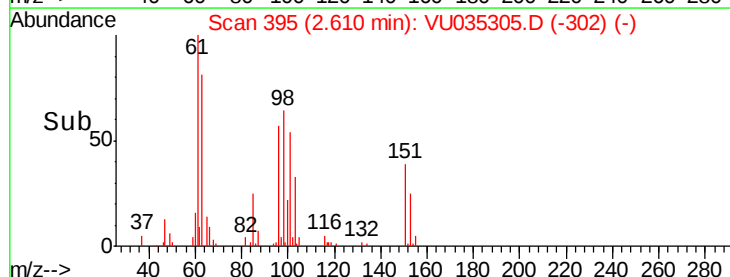
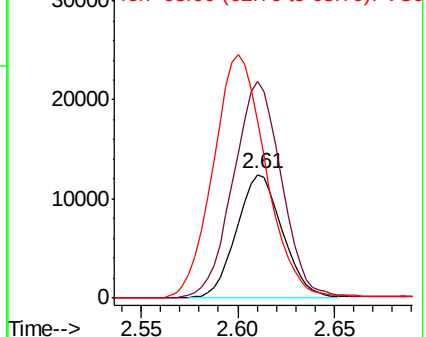
63 142.9 93.9 174.3

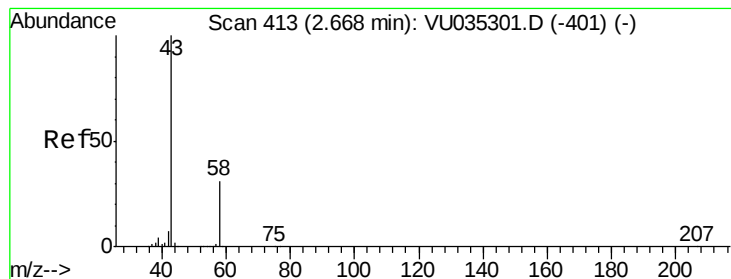


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.408 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

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ClientSampleId :

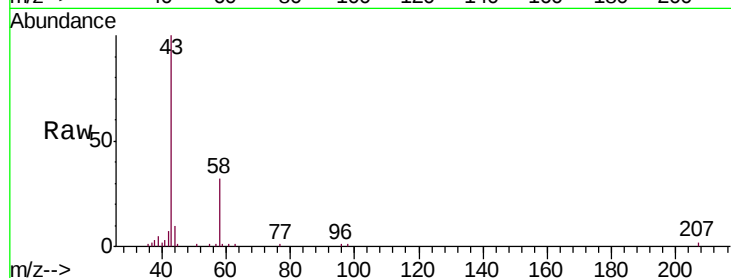
VSTD00534

Tgt Ion: 43 Resp: 35277

Ion Ratio Lower Upper

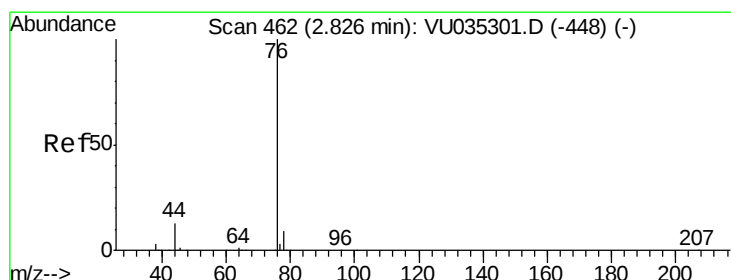
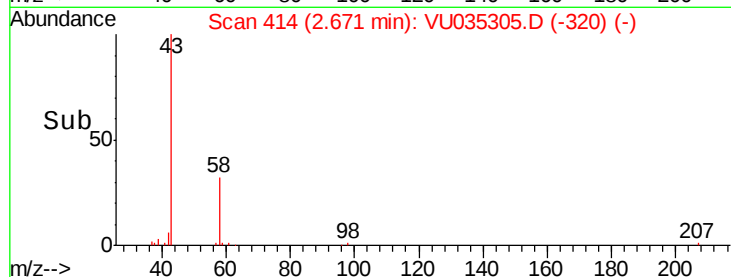
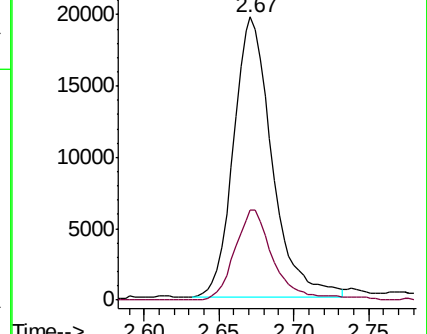
43 100

58 31.4 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU035301.D (-401) (-)

Ion 58.00 (57.70 to 58.70): VU035301.D (-401) (-)



#14

Carbon disulfide

Concen: 5.856 ug/L

RT: 2.83 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU035305.D

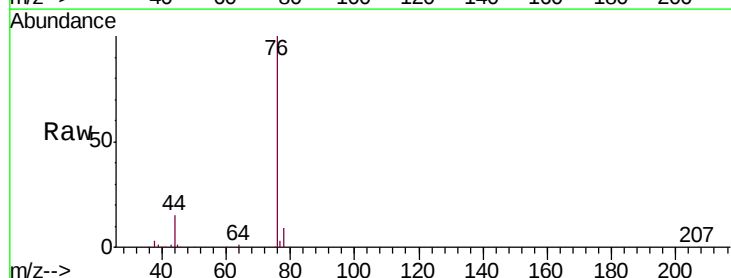
Acq: 19 Oct 2019 09:09

Tgt Ion: 76 Resp: 71588

Ion Ratio Lower Upper

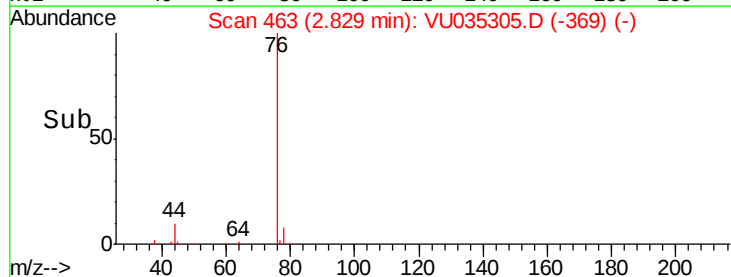
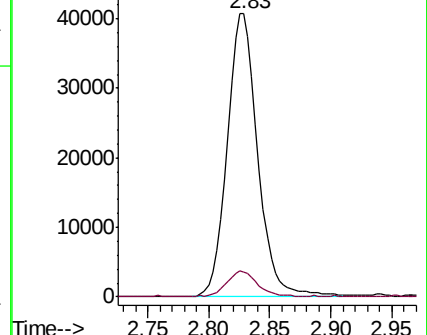
76 100

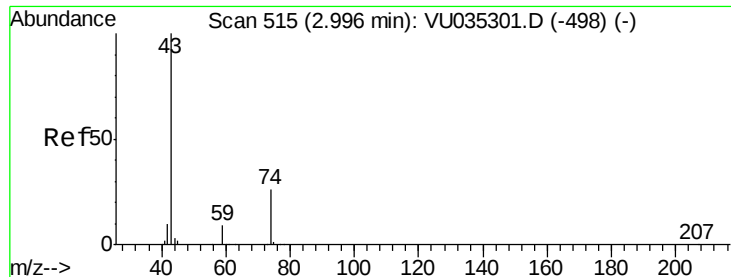
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU035301.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU035301.D (-448) (-)





#15

Methyl Acetate

Concen: 5.212 ug/L

RT: 3.00 min Scan# 516

Delta R.T. 0.00 min

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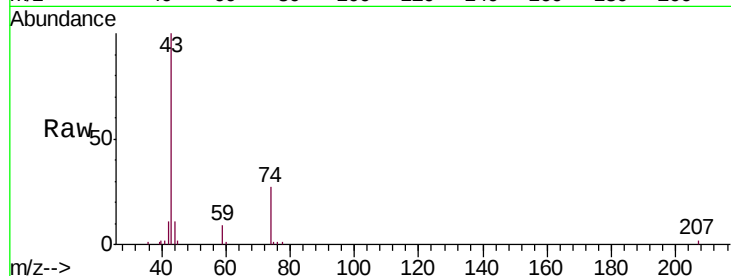
VSTD00534

Tgt Ion: 43 Resp: 25374

Ion Ratio Lower Upper

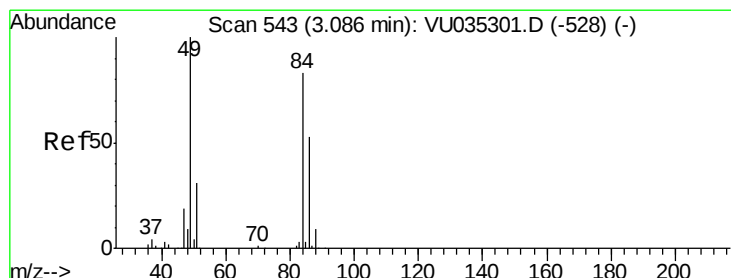
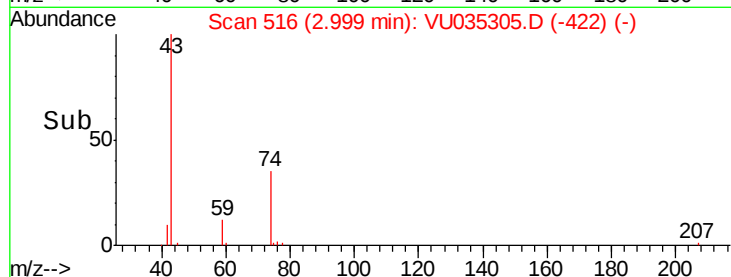
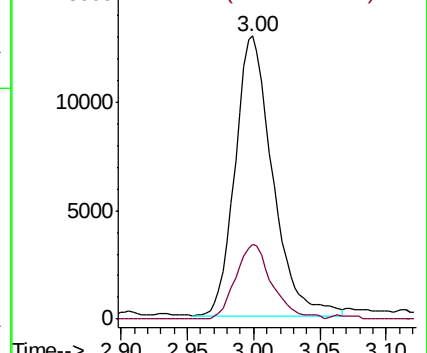
43 100

74 25.5 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU035305.D (-422) (-)

Ion 74.00 (73.70 to 74.70): VU035305.D (-422) (-)



#16

Methylene chloride

Concen: 5.301 ug/L

RT: 3.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

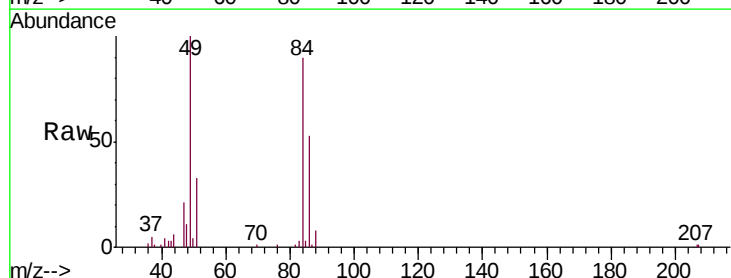
Tgt Ion: 84 Resp: 25075

Ion Ratio Lower Upper

84 100

86 58.4 44.4 82.5

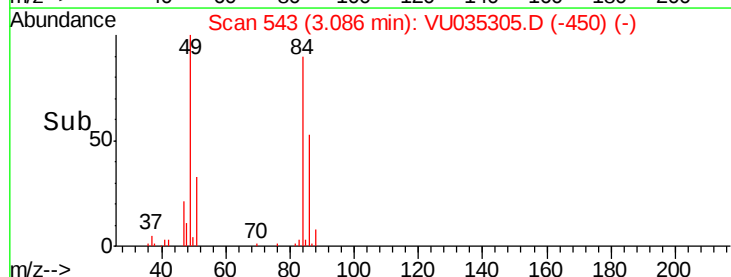
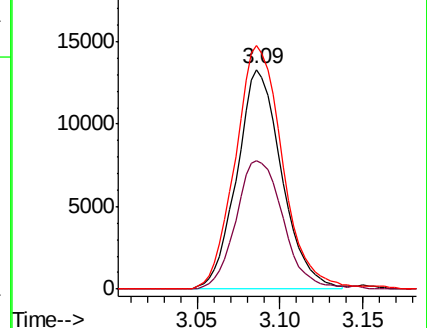
49 110.7 84.0 156.0

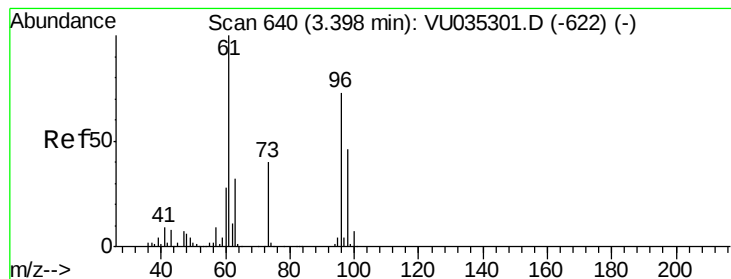


Abundance Ion 84.00 (83.70 to 84.70): VU035305.D (-450) (-)

Ion 86.00 (85.70 to 86.70): VU035305.D (-450) (-)

Ion 49.00 (48.70 to 49.70): VU035305.D (-450) (-)





#17

trans-1,2-Dichloroethene

Concen: 5.075 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

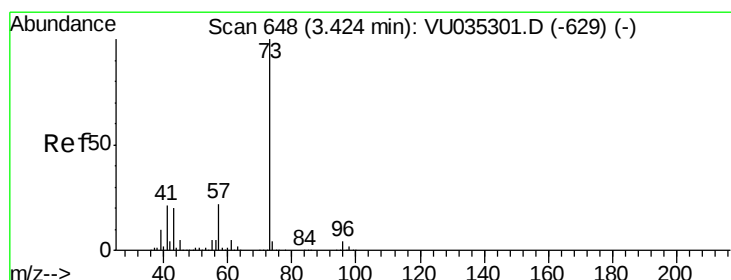
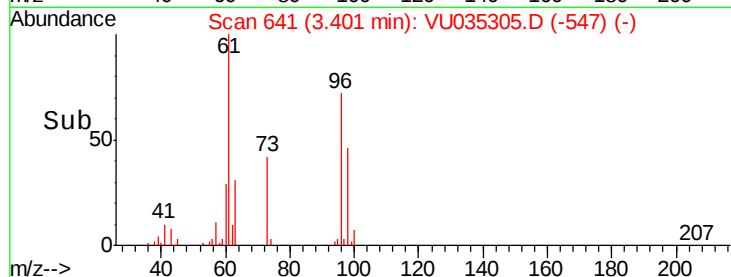
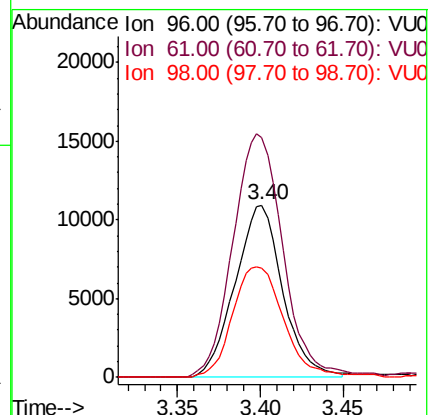
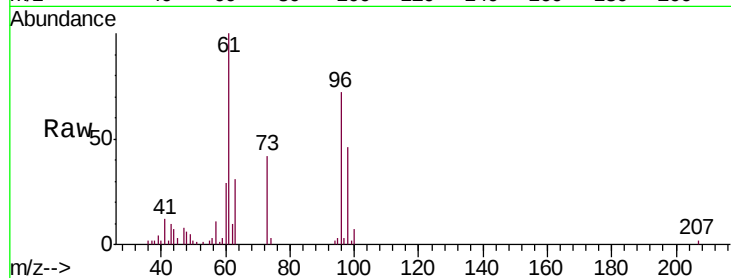
Tgt Ion: 96 Resp: 21799

Ion Ratio Lower Upper

96 100

61 139.0 95.8 178.0

98 63.4 44.4 82.4



#18

Methyl tert-butyl Ether

Concen: 4.974 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

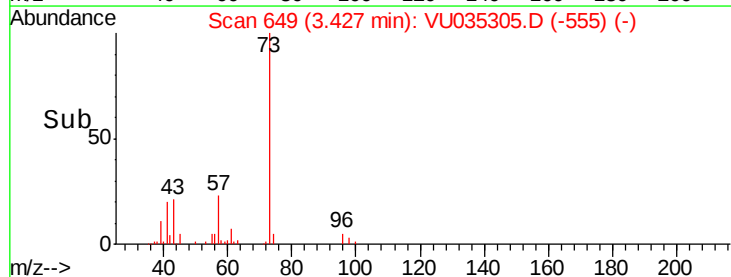
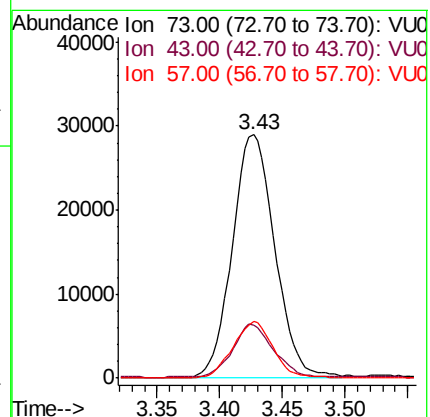
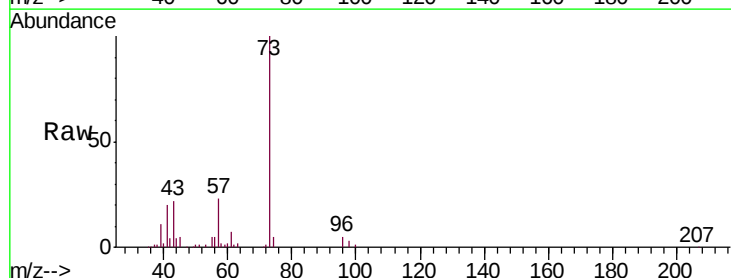
Tgt Ion: 73 Resp: 68481

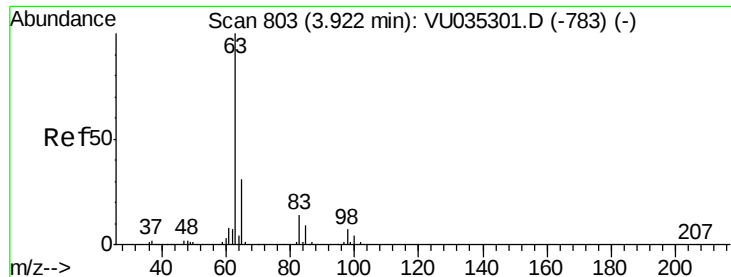
Ion Ratio Lower Upper

73 100

43 19.9 16.0 24.0

57 21.7 17.6 26.4





#19

1,1-Dichloroethane

Concen: 5.069 ug/L

RT: 3.93 min Scan# 804

Delta R.T. 0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

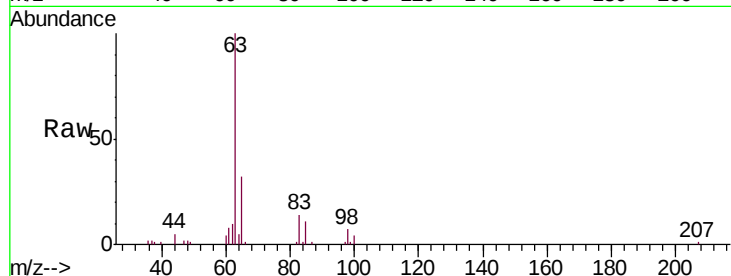
Tgt Ion: 63 Resp: 41813

Ion Ratio Lower Upper

63 100

65 31.8 21.6 40.0

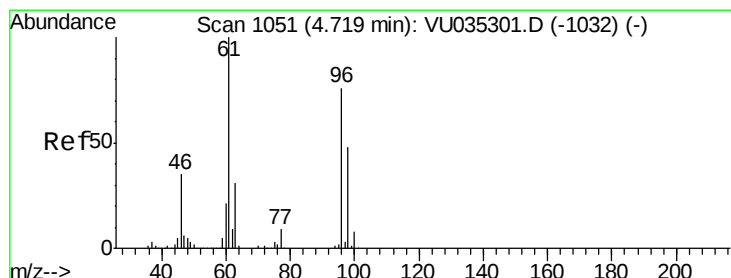
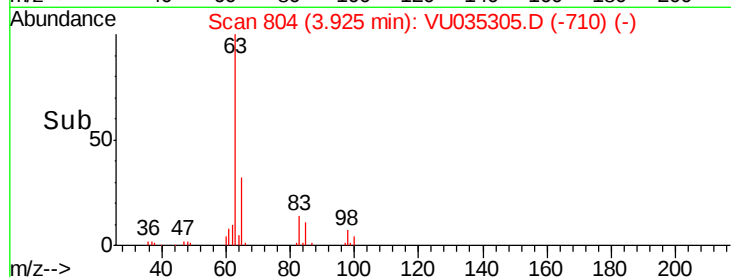
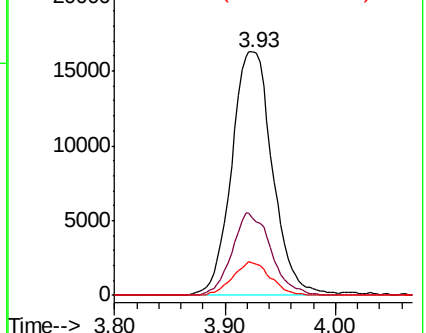
83 13.6 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU035305.D (-710) (-)

Ion 65.00 (64.70 to 65.70): VU035305.D (-710) (-)

Ion 83.00 (82.70 to 83.70): VU035305.D (-710) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.090 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

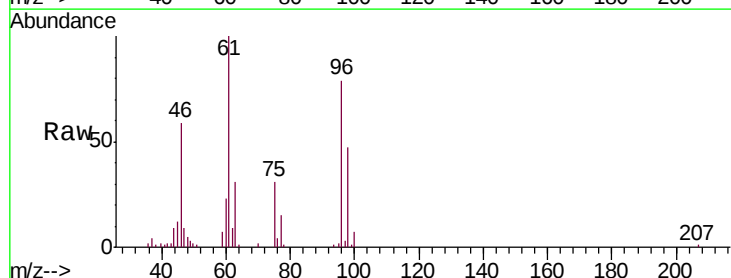
Tgt Ion: 96 Resp: 24718

Ion Ratio Lower Upper

96 100

61 127.1 92.7 172.3

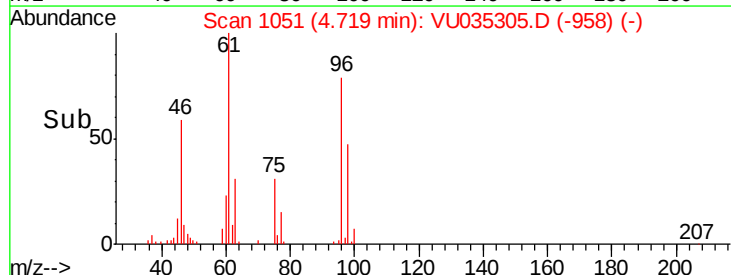
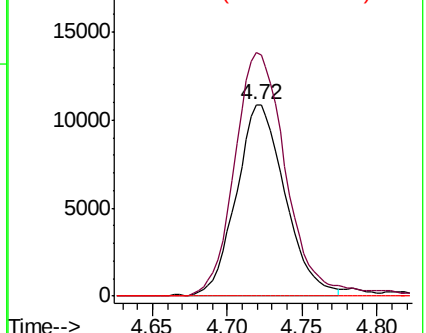
68 0.0 0.0 0.0

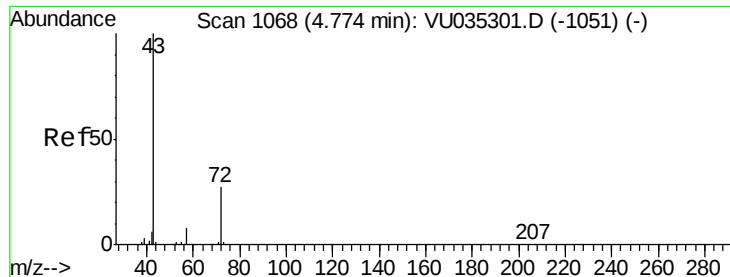


Abundance Ion 96.00 (95.70 to 96.70): VU035305.D (-958) (-)

Ion 61.00 (60.70 to 61.70): VU035305.D (-958) (-)

Ion 68.00 (67.70 to 68.70): VU035305.D (-958) (-)





#22

2-Butanone

Concen: 9.779 ug/L

RT: 4.78 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

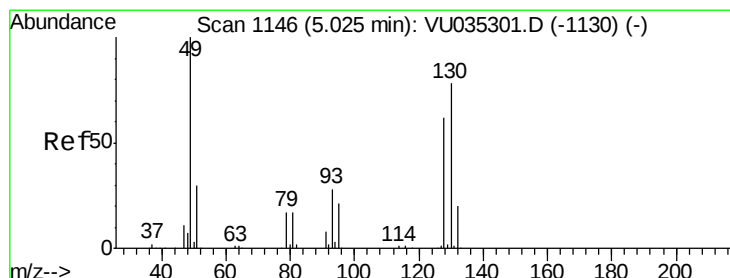
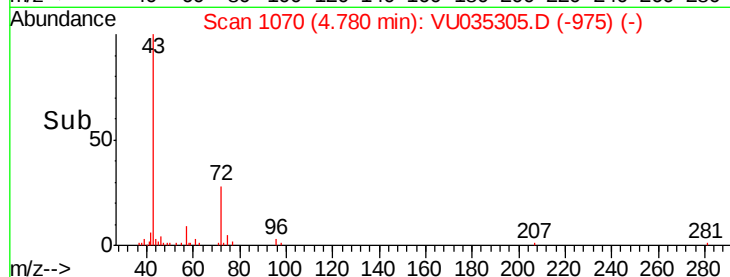
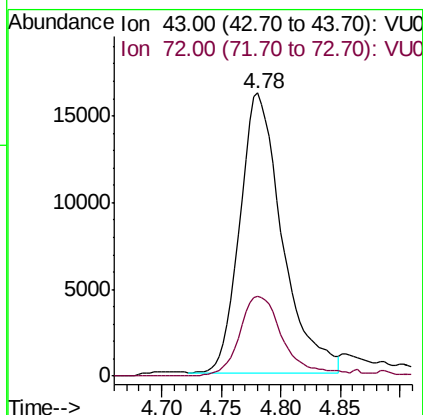
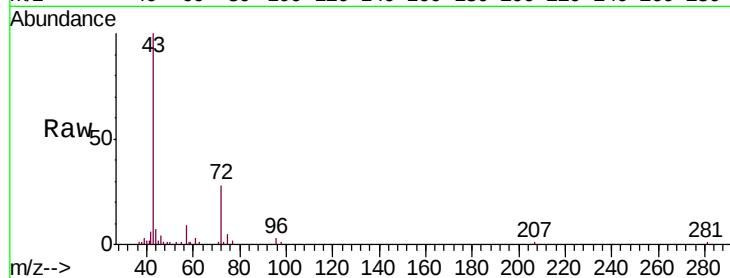
VSTD00534

Tgt Ion: 43 Resp: 39910

Ion Ratio Lower Upper

43 100

72 29.4 12.9 38.6



#23

Bromochloromethane

Concen: 5.178 ug/L

RT: 5.03 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Tgt Ion: 128 Resp: 12641

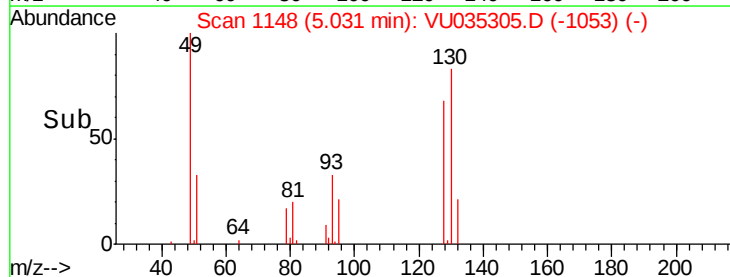
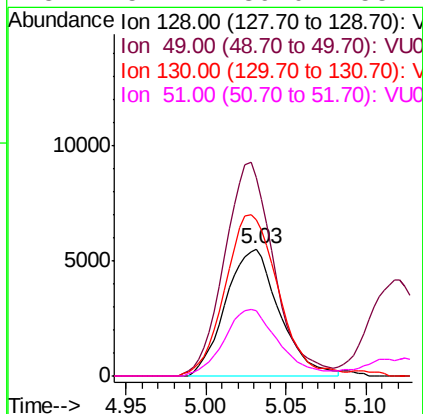
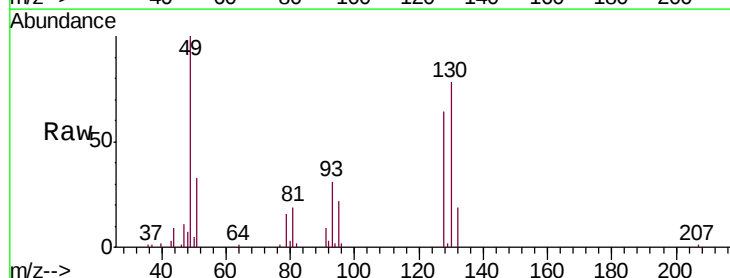
Ion Ratio Lower Upper

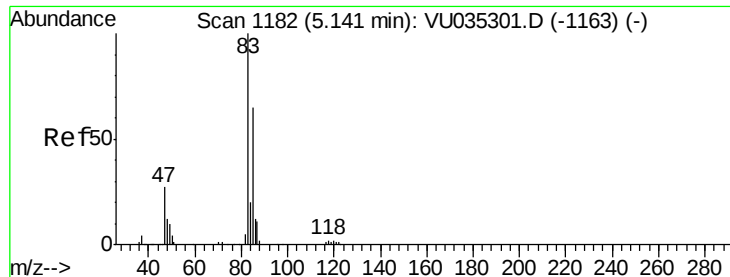
128 100

49 156.6 112.7 209.3

130 122.8 87.8 163.0

51 51.2 39.0 58.4





#25

Chloroform

Concen: 5.207 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

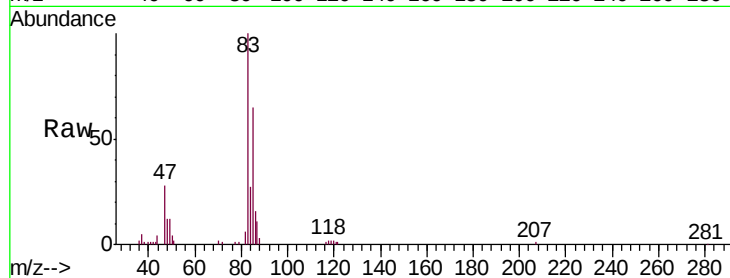
VSTD00534

Tgt Ion: 83 Resp: 43927

Ion Ratio Lower Upper

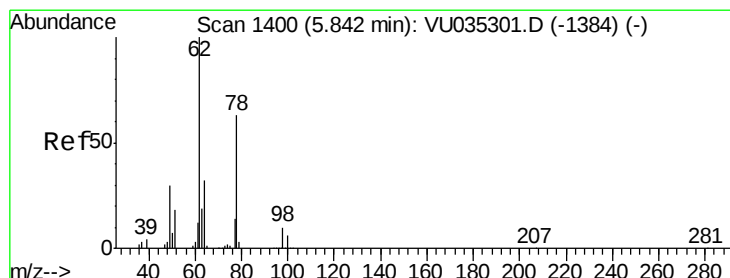
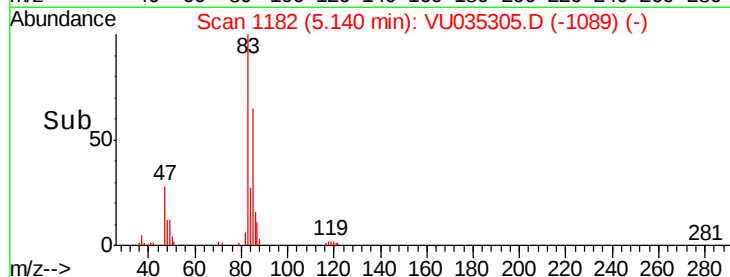
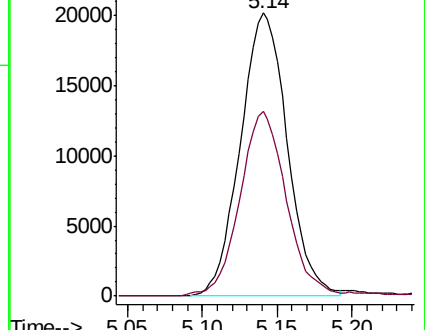
83 100

85 65.2 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VU035301.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU035301.D (-1163) (-)



#27

1,2-Dichloroethane

Concen: 5.102 ug/L

RT: 5.84 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VU035305.D

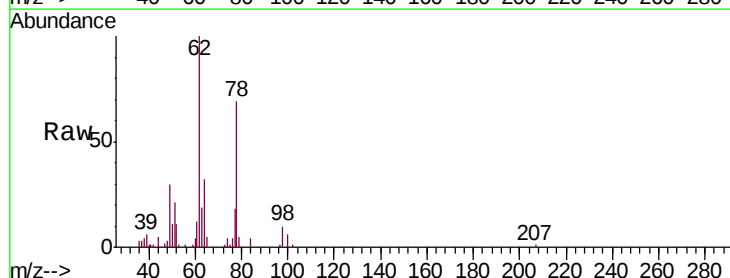
Acq: 19 Oct 2019 09:09

Tgt Ion: 62 Resp: 33704

Ion Ratio Lower Upper

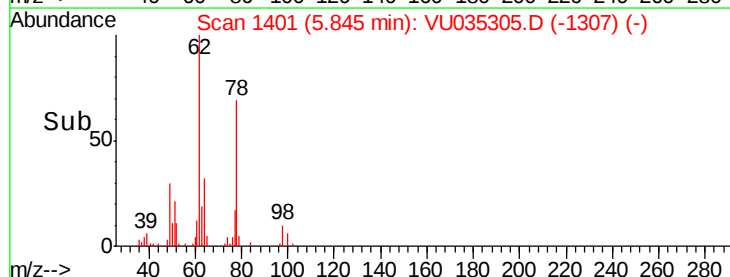
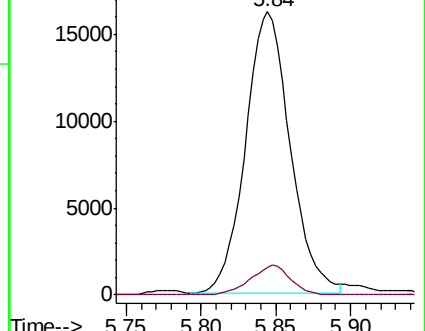
62 100

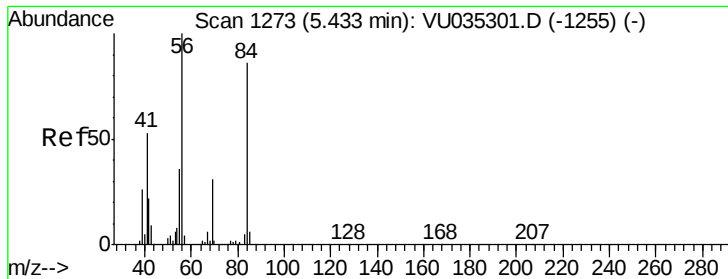
98 9.8 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VU035301.D (-1384) (-)

Ion 98.00 (97.70 to 98.70): VU035301.D (-1384) (-)

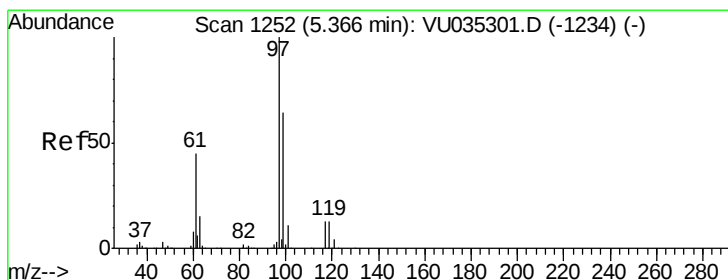
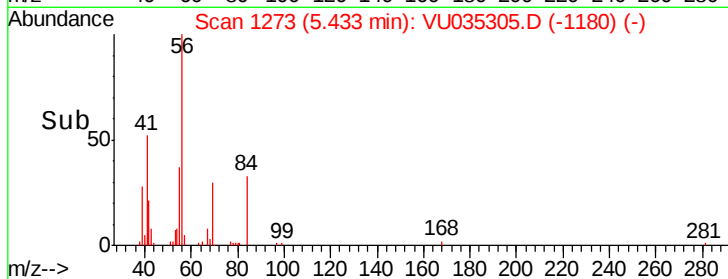
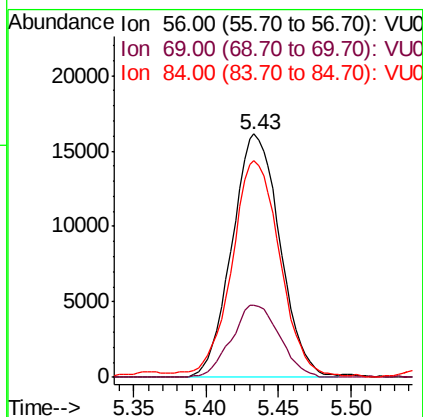
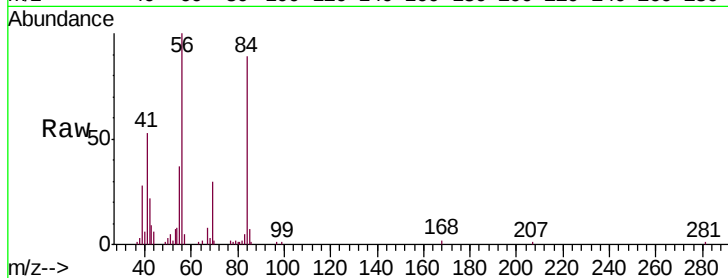




#29
Cyclohexane
Concen: 5.197 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

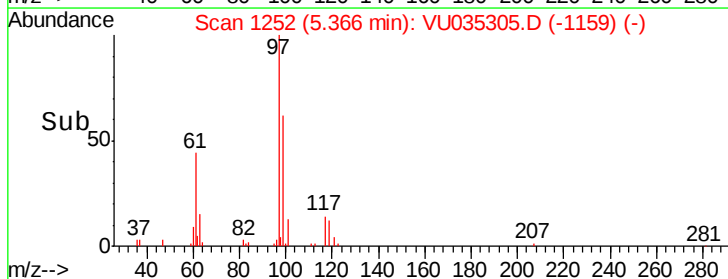
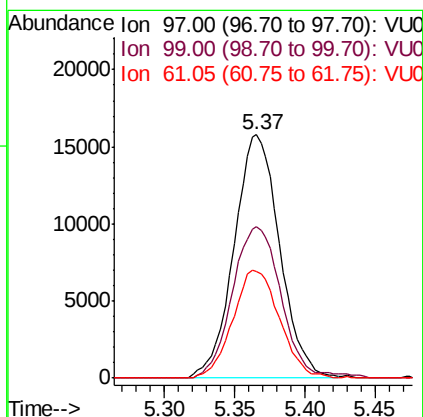
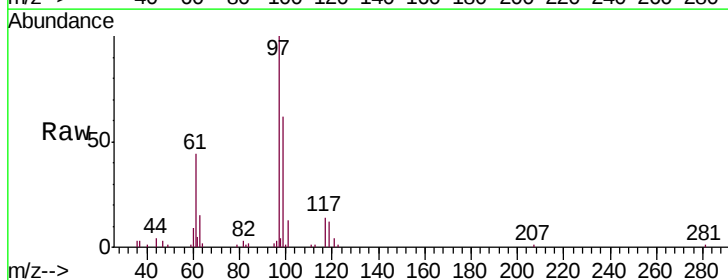
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

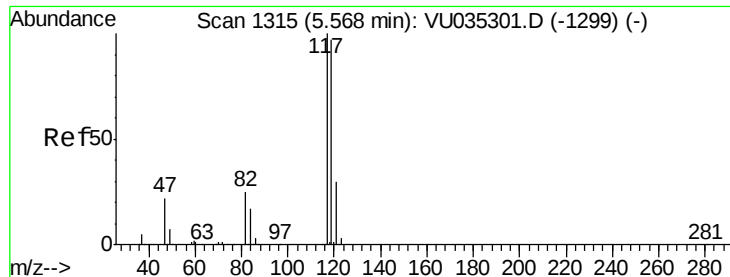
Tgt Ion: 56 Resp: 37086
Ion Ratio Lower Upper
56 100
69 29.7 24.2 36.4
84 90.2 71.1 106.7



#30
1,1,1-Trichloroethane
Concen: 5.127 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

Tgt Ion: 97 Resp: 35746
Ion Ratio Lower Upper
97 100
99 66.6 51.3 76.9
61 45.4 36.6 54.8

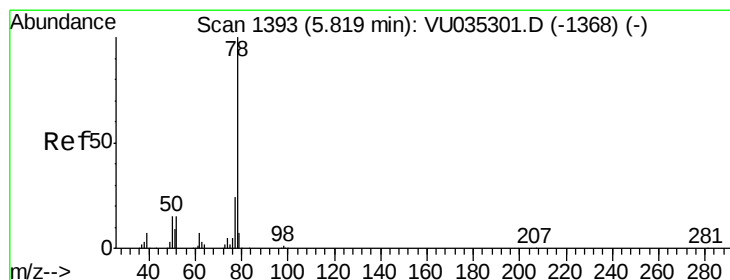
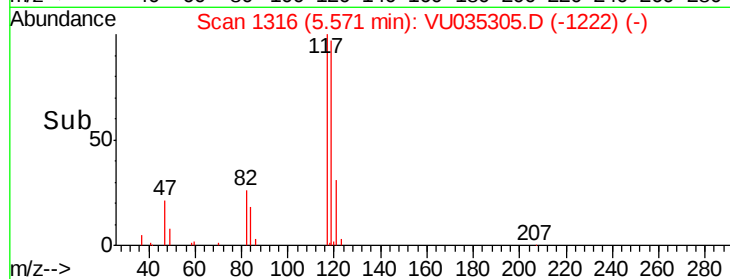
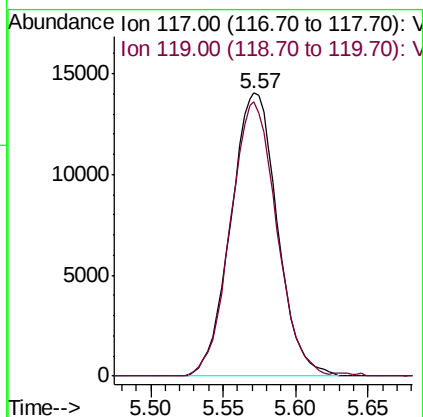
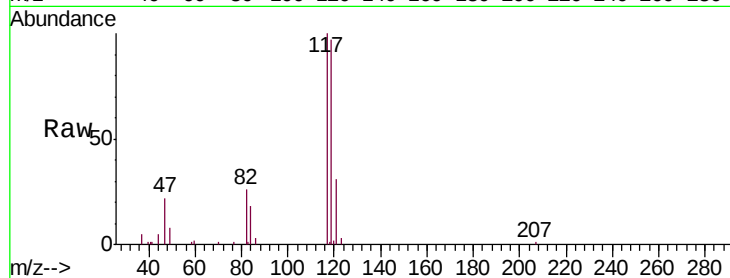




#31
Carbon tetrachloride
Concen: 5.135 ug/L
RT: 5.57 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

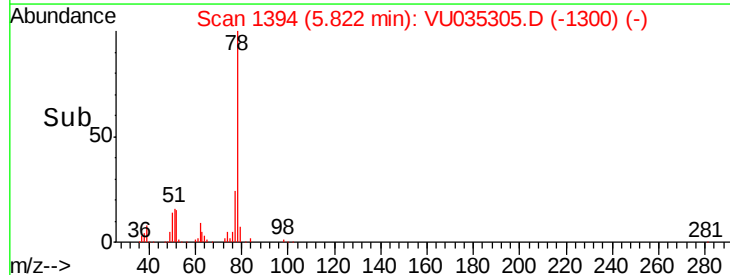
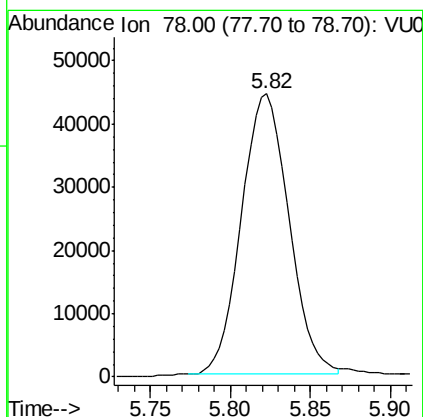
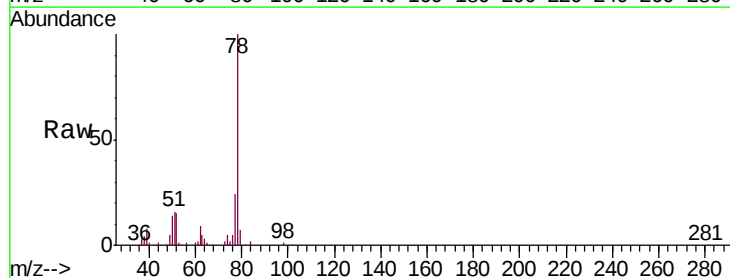
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

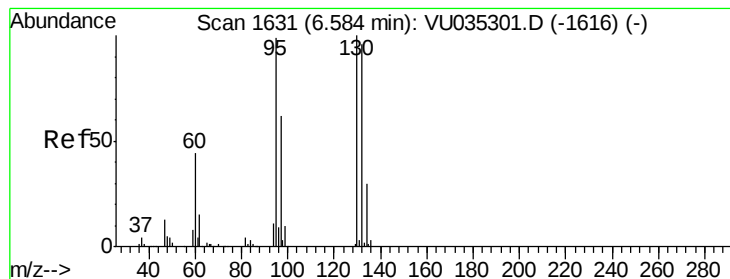
Tgt Ion:117 Resp: 31355
Ion Ratio Lower Upper
117 100
119 96.0 77.7 116.5



#33
Benzene
Concen: 5.010 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

Tgt Ion: 78 Resp: 90873





#34

Trichloroethene

Concen: 5.231 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 95 Resp: 24301

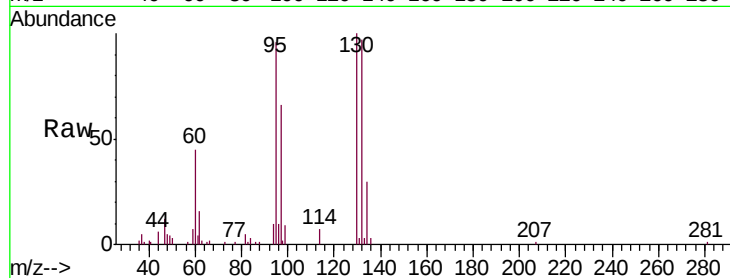
Ion Ratio Lower Upper

95 100

97 68.1 44.2 82.2

132 100.3 67.8 125.8

130 103.9 70.9 131.7

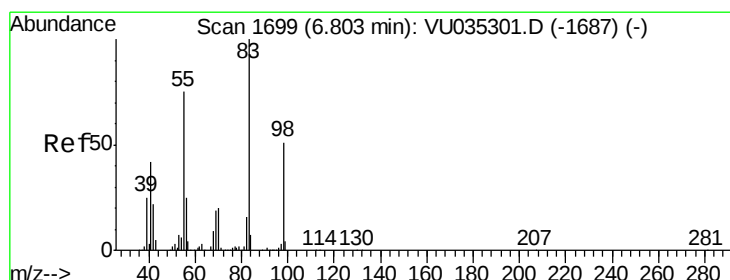
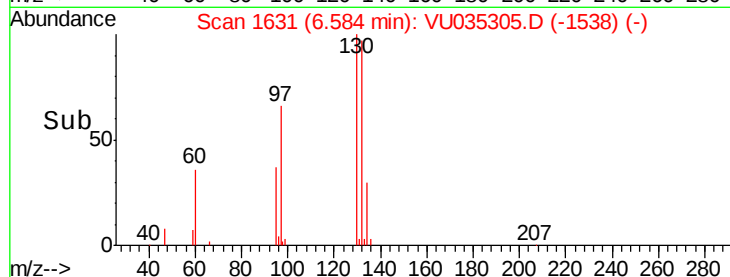
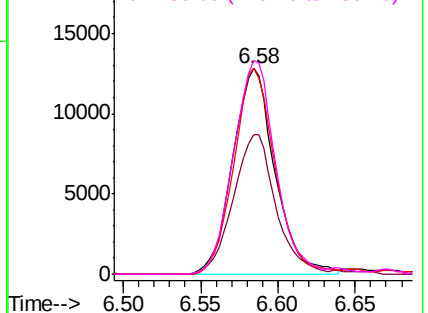


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 5.121 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

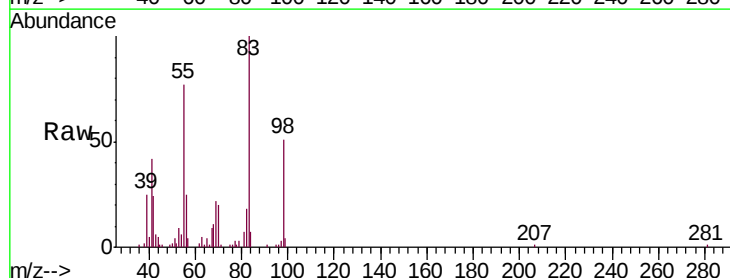
Tgt Ion: 83 Resp: 36586

Ion Ratio Lower Upper

83 100

55 79.0 59.5 89.3

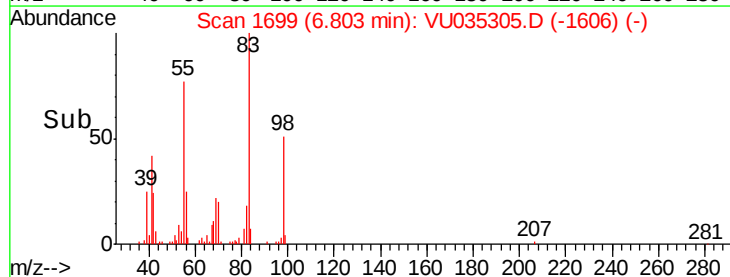
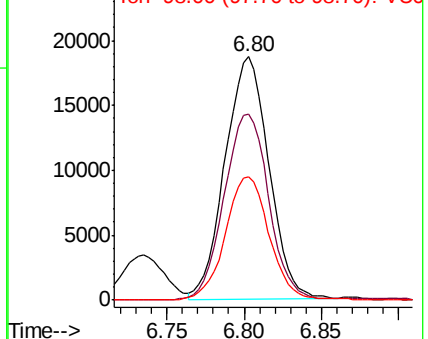
98 51.1 39.9 59.9

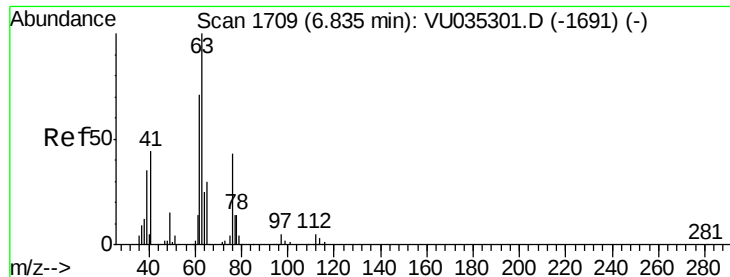


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.064 ug/L

RT: 6.83 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

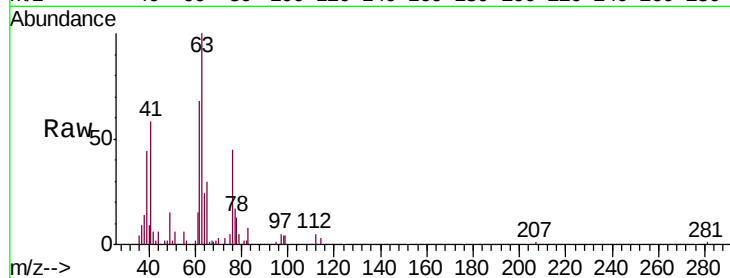
VSTD00534

Tgt Ion: 63 Resp: 23798

Ion Ratio Lower Upper

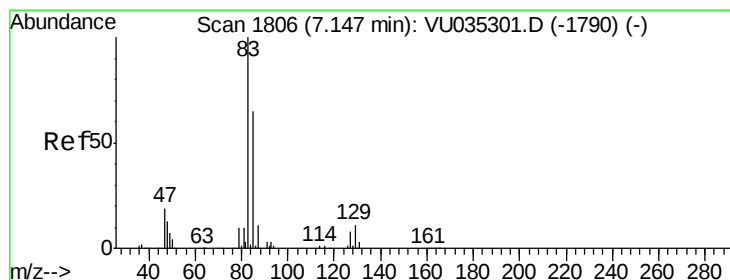
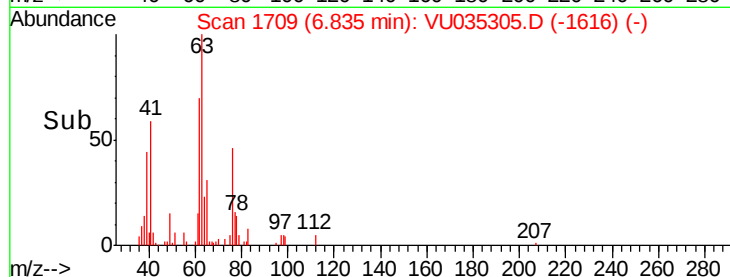
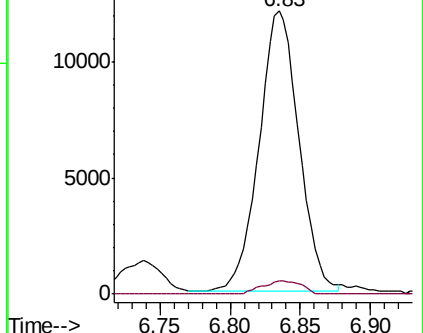
63 100

112 4.6 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU035301.D (-1691) (-)

Ion 112.00 (111.70 to 112.70): VU035301.D (-1691) (-)



#38

Bromodichloromethane

Concen: 5.017 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

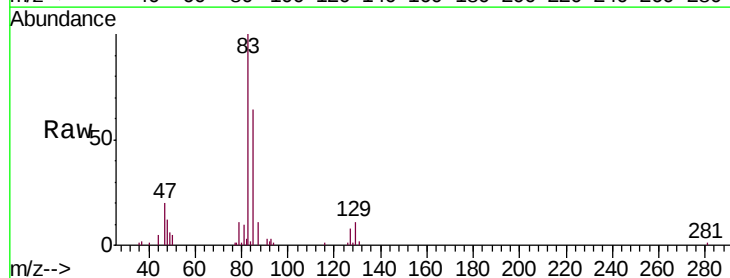
Tgt Ion: 83 Resp: 31266

Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

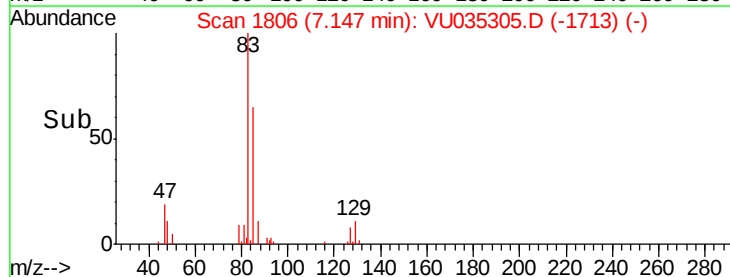
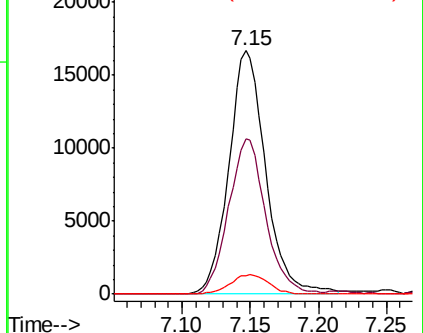
127 7.6 6.6 10.0

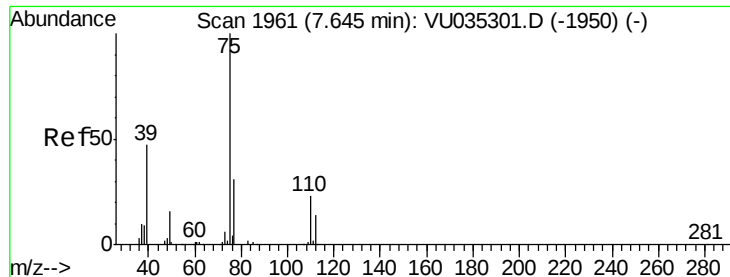


Abundance Ion 83.00 (82.70 to 83.70): VU035301.D (-1790) (-)

Ion 85.00 (84.70 to 85.70): VU035301.D (-1790) (-)

Ion 127.00 (126.70 to 127.70): VU035301.D (-1790) (-)

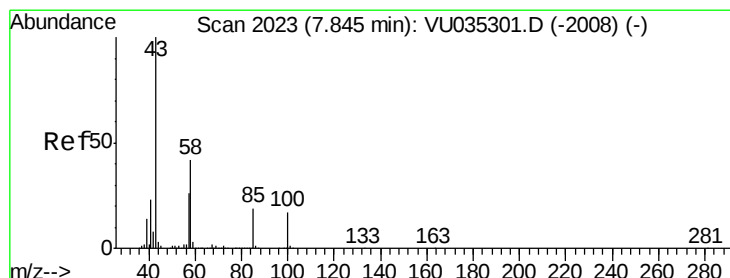
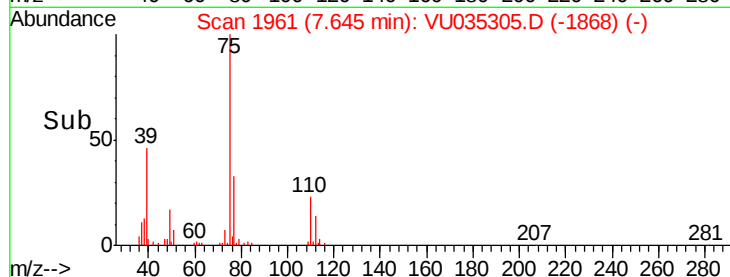
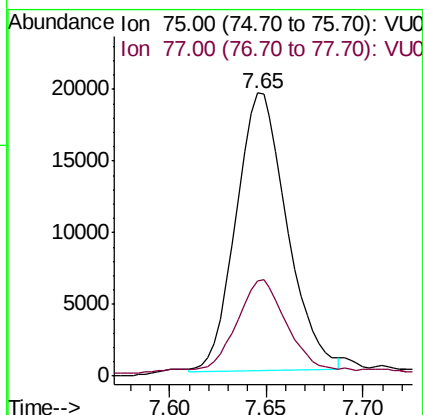
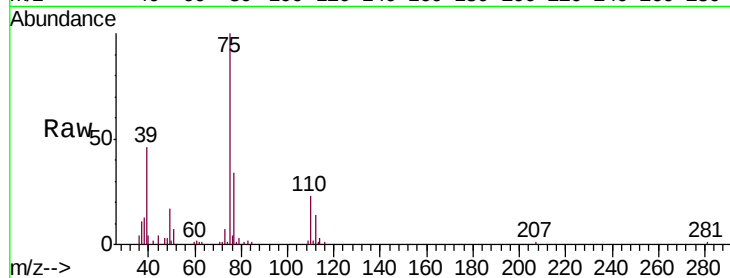




#39
 cis-1,3-Dichloropropene
 Concen: 4.652 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035305.D
 Acq: 19 Oct 2019 09:09

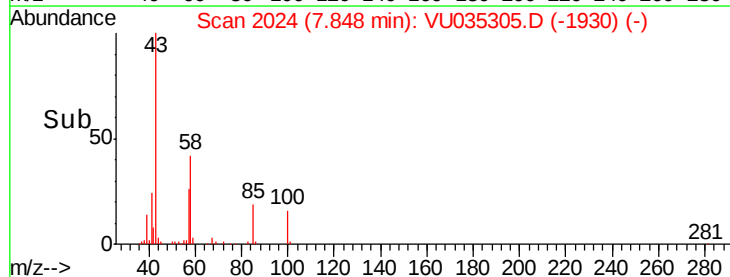
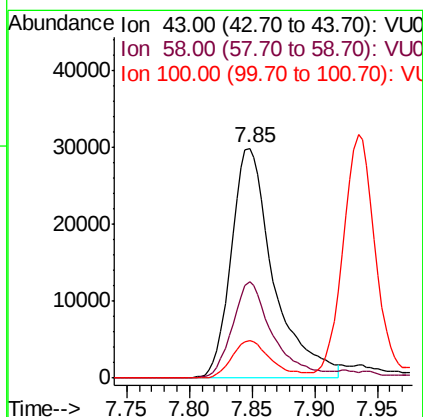
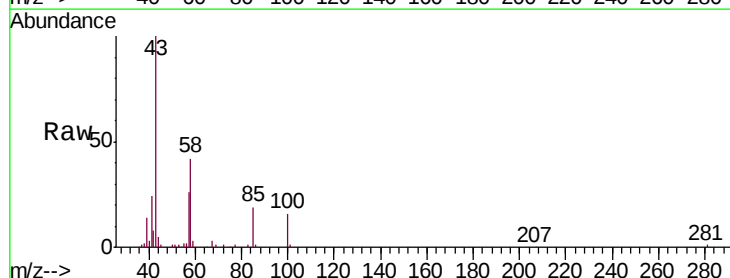
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

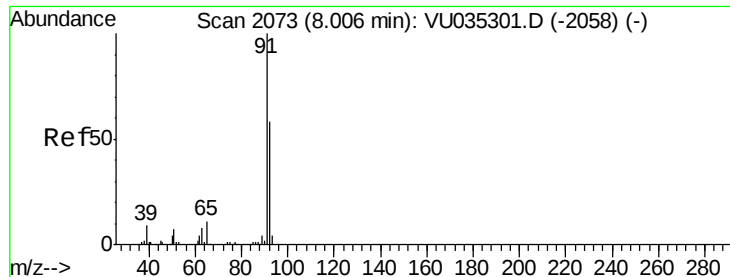
Tgt Ion: 75 Resp: 35360
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 10.577 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035305.D
 Acq: 19 Oct 2019 09:09

Tgt Ion: 43 Resp: 70097
 Ion Ratio Lower Upper
 43 100
 58 39.5 33.1 49.7
 100 15.5 13.2 19.8





#42

Toluene

Concen: 5.153 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

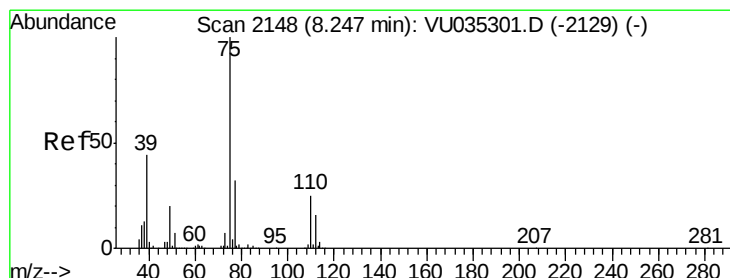
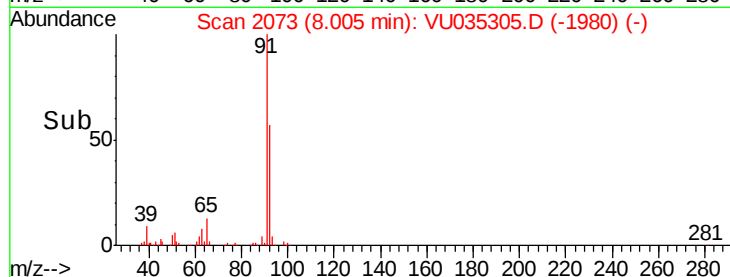
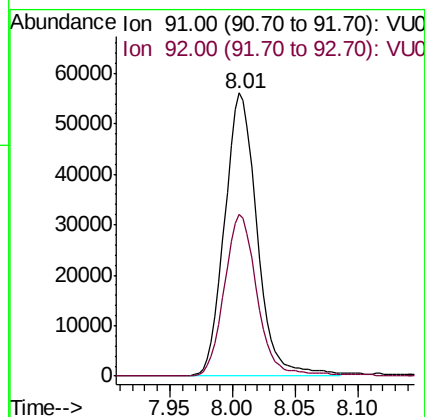
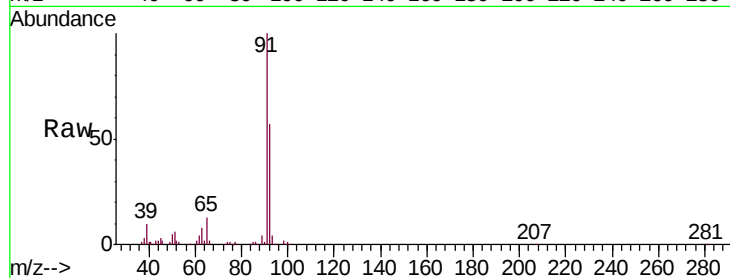
VSTD00534

Tgt Ion: 91 Resp: 101131

Ion Ratio Lower Upper

91 100

92 57.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.790 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035305.D

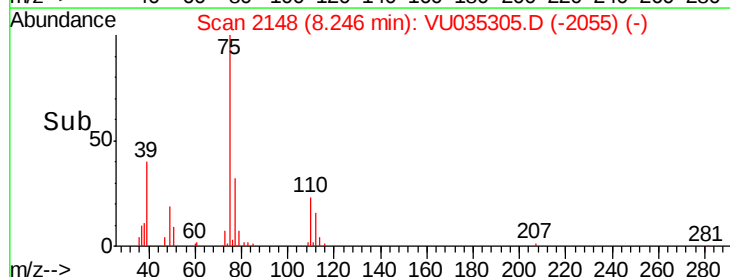
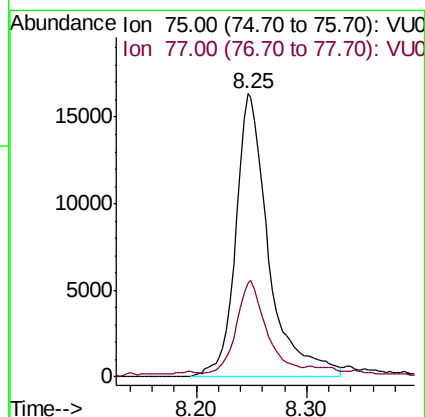
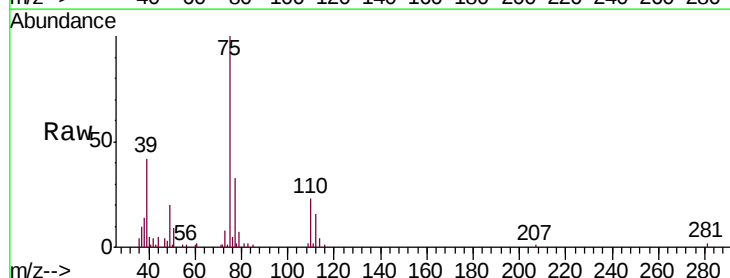
Acq: 19 Oct 2019 09:09

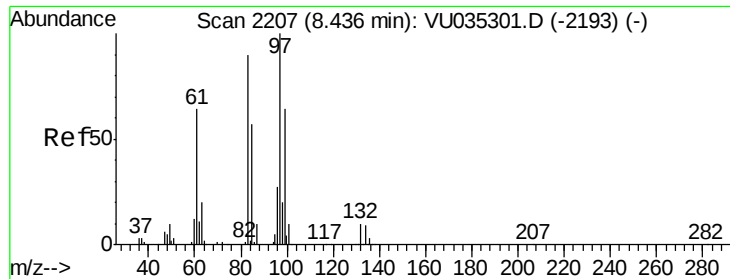
Tgt Ion: 75 Resp: 33942

Ion Ratio Lower Upper

75 100

77 33.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 5.159 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 97 Resp: 23481

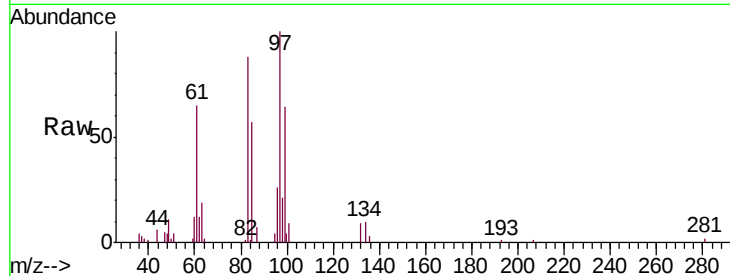
Ion Ratio Lower Upper

97 100

99 64.0 44.5 82.7

83 87.5 63.0 117.0

85 57.5 39.7 73.7

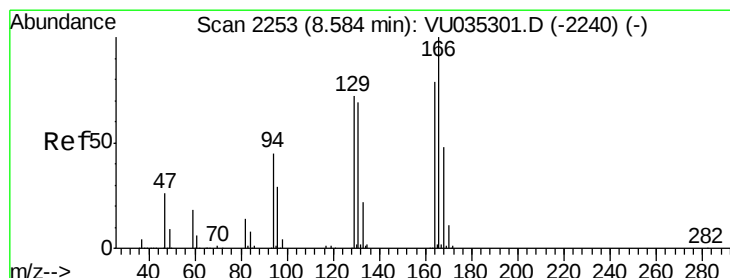
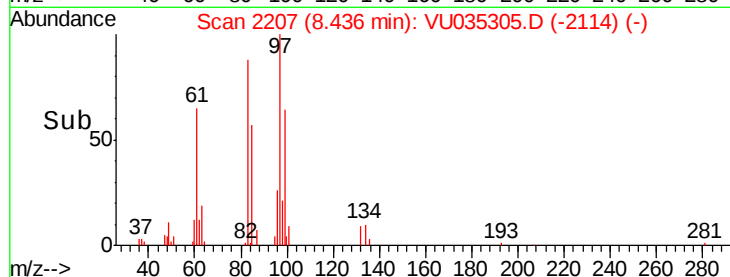
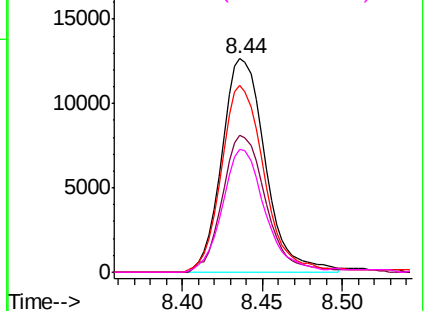


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 5.280 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Tgt Ion: 164 Resp: 19717

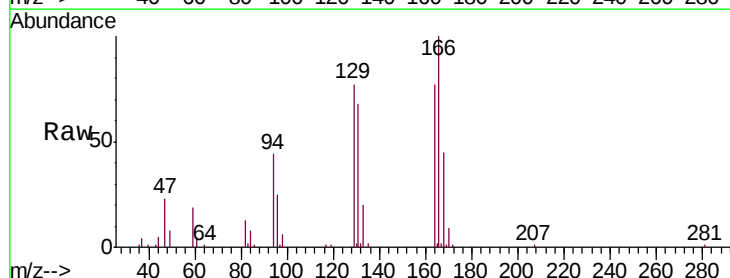
Ion Ratio Lower Upper

164 100

129 100.9 64.0 119.0

131 89.0 61.8 114.8

166 130.7 89.2 165.6

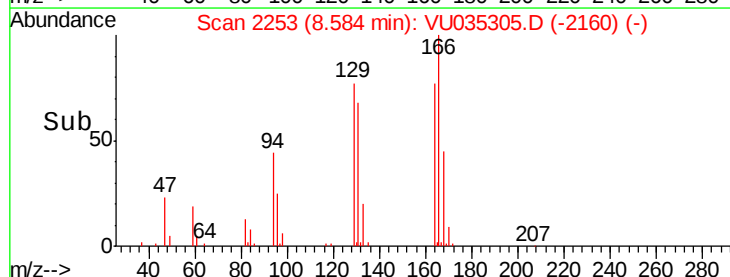
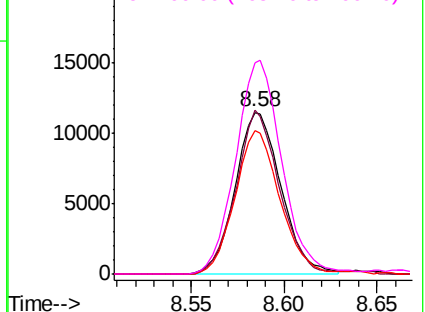


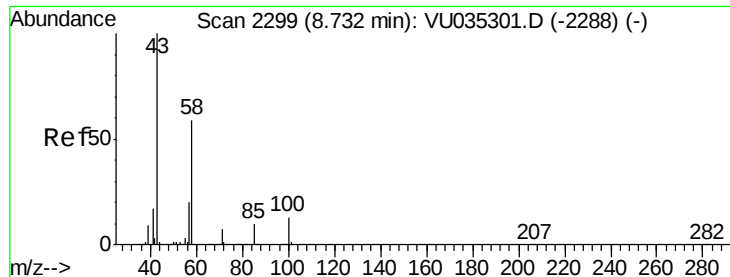
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

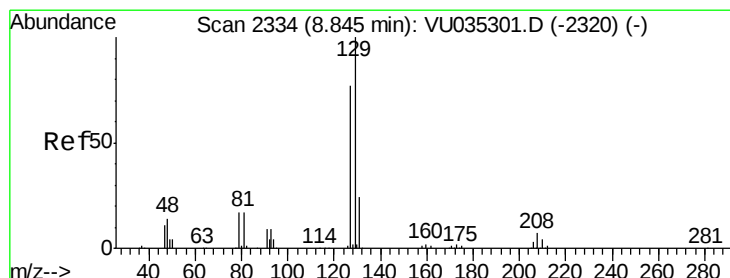
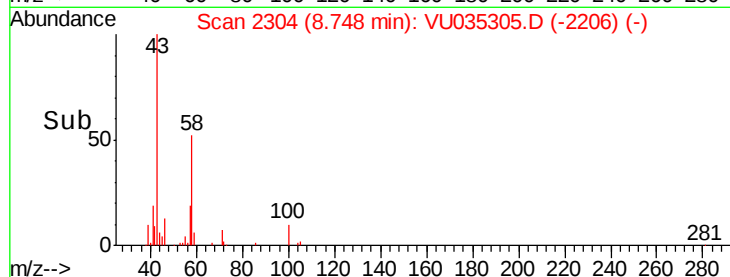
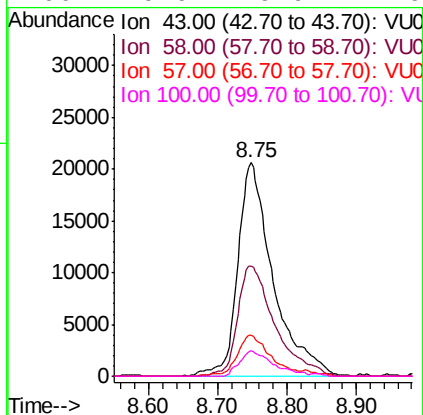
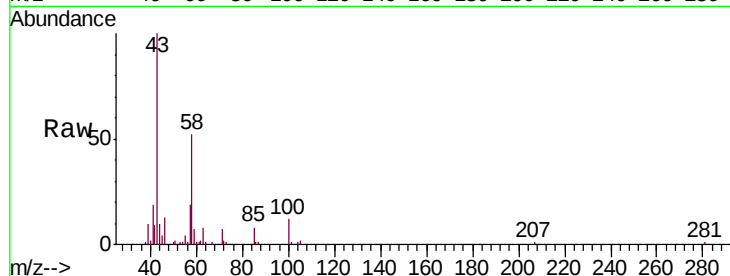




#48
2-Hexanone
Concen: 13.299 ug/L
RT: 8.75 min Scan# 2304
Delta R.T. 0.02 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

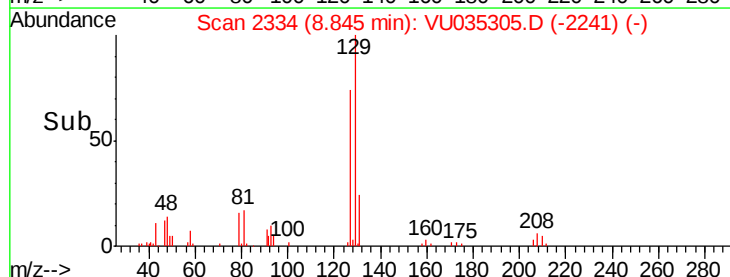
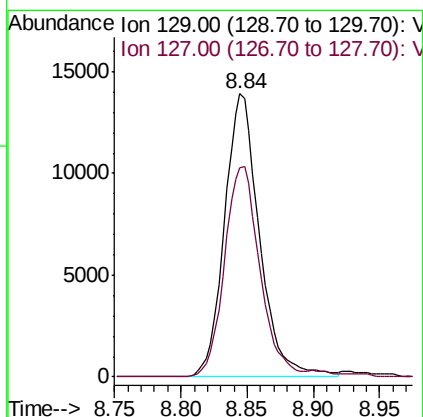
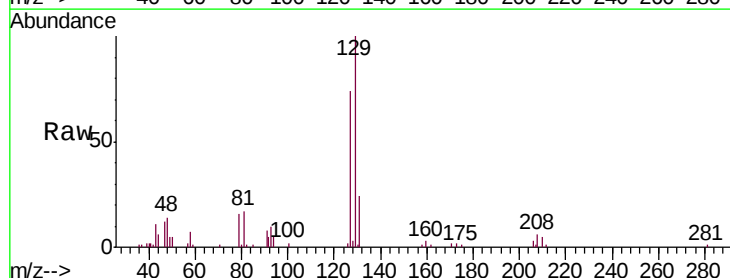
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

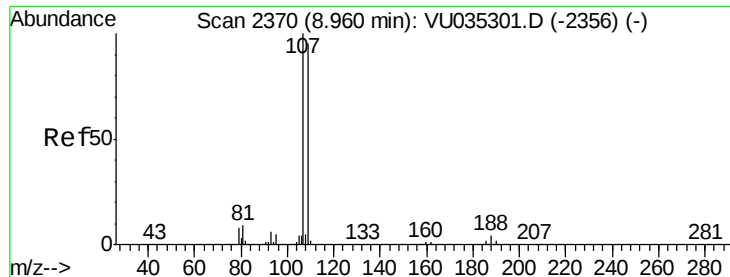
Tgt Ion: 43 Resp: 73035
Ion Ratio Lower Upper
43 100
58 54.5 42.7 64.1
57 18.3 14.8 22.2
100 9.9 9.9 14.9#



#49
Dibromochloromethane
Concen: 4.966 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

Tgt Ion: 129 Resp: 25525
Ion Ratio Lower Upper
129 100
127 73.7 54.0 100.4

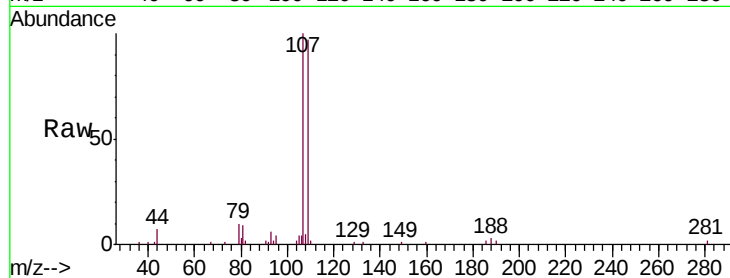




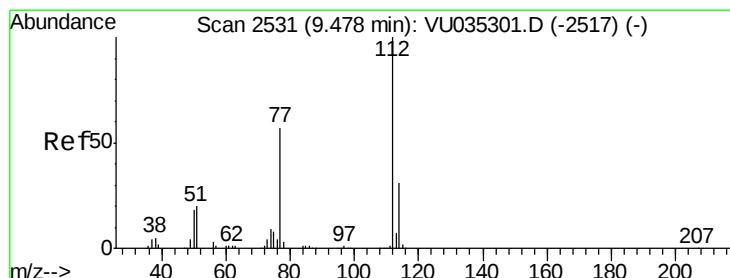
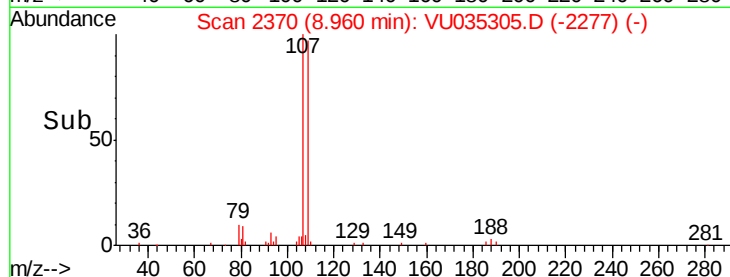
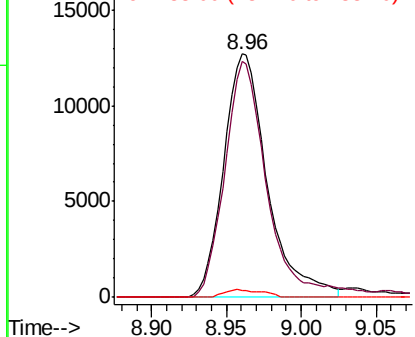
#50
1,2-Dibromoethane
Concen: 5.122 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion:107 Resp: 25869
Ion Ratio Lower Upper
107 100
109 96.9 66.8 124.2
188 2.9 3.4 5.2#

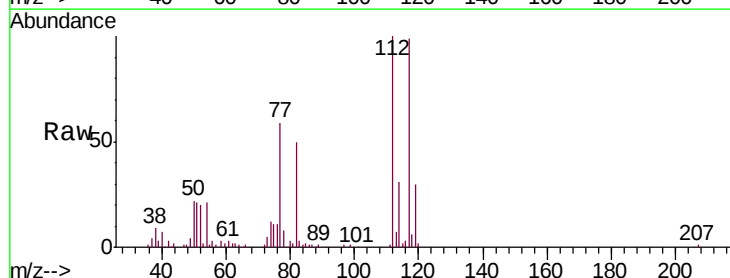


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

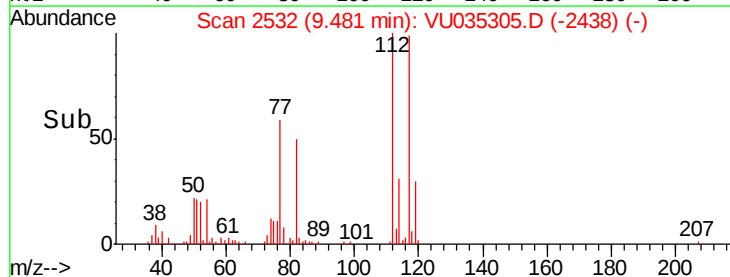
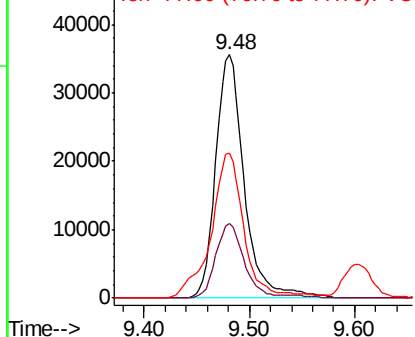


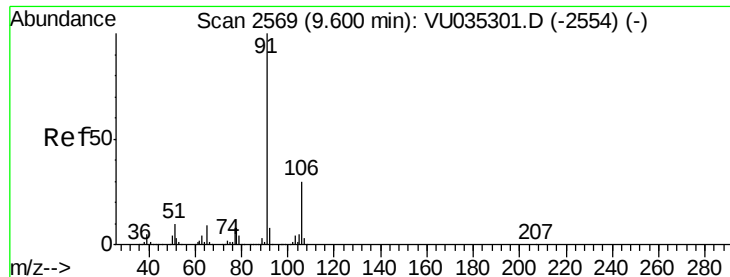
#51
Chlorobenzene
Concen: 5.297 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

Tgt Ion:112 Resp: 66904
Ion Ratio Lower Upper
112 100
114 30.6 21.9 40.7
77 59.3 46.2 69.2



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): V





#52

Ethylbenzene

Concen: 5.123 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

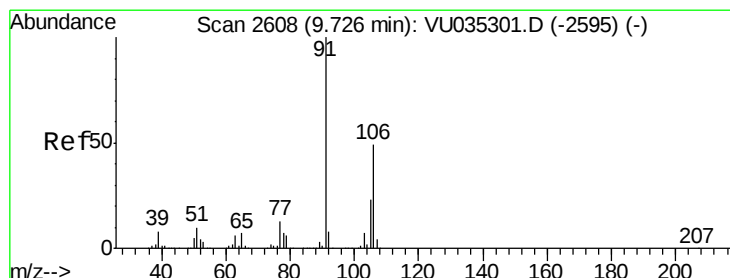
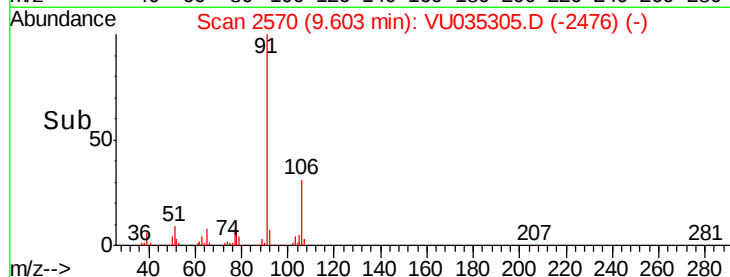
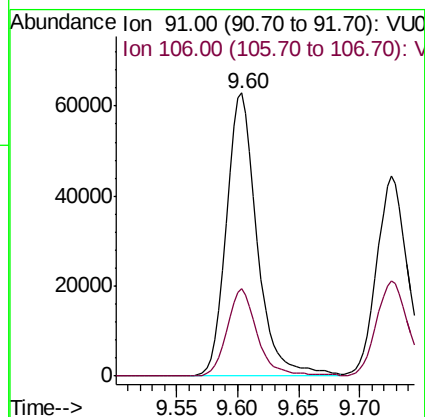
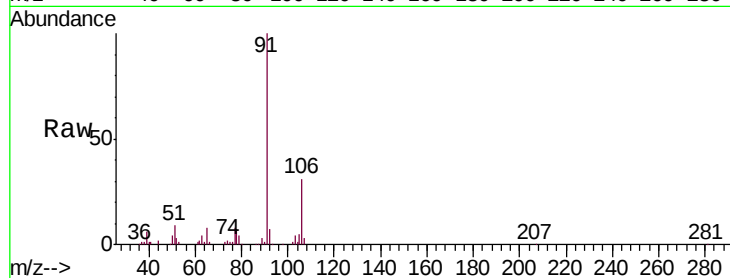
VSTD00534

Tgt Ion: 91 Resp: 111106

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



#53

m,p-Xylene

Concen: 5.003 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035305.D

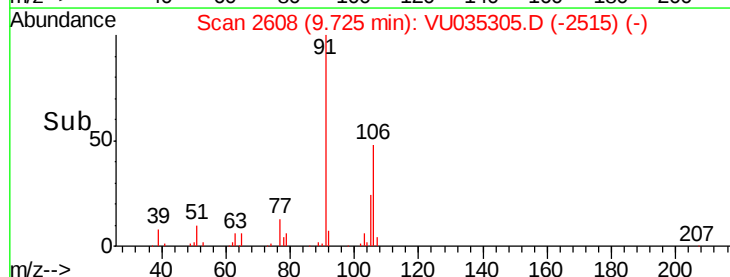
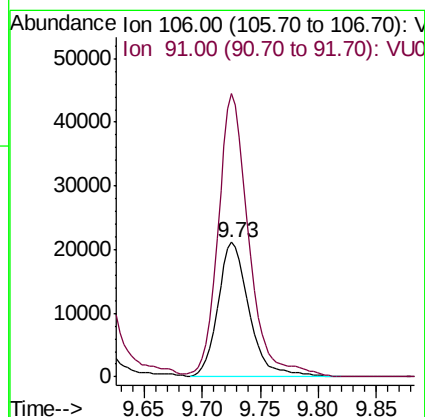
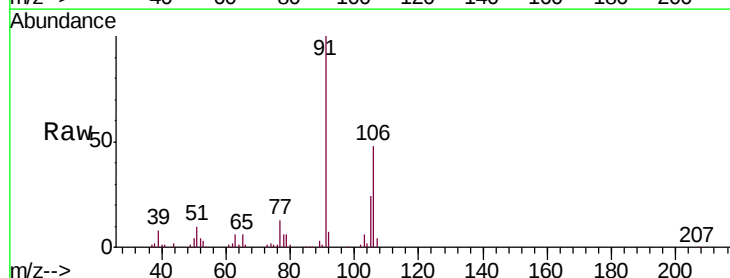
Acq: 19 Oct 2019 09:09

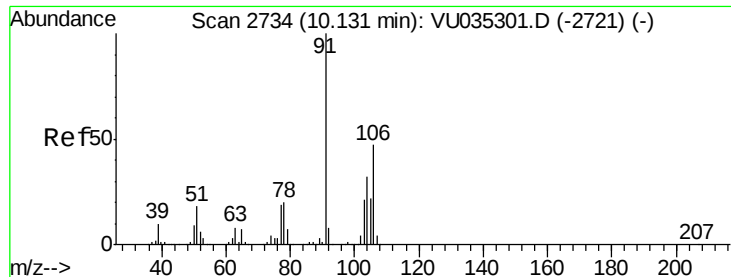
Tgt Ion: 106 Resp: 39830

Ion Ratio Lower Upper

106 100

91 210.0 141.5 262.9

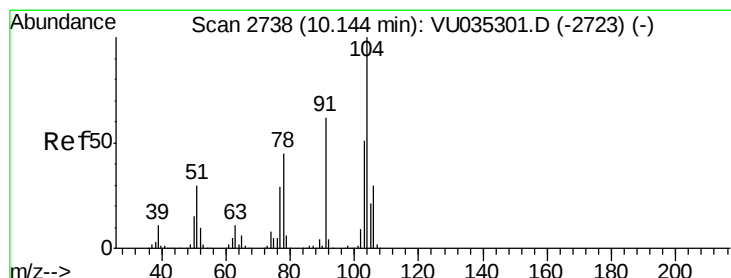
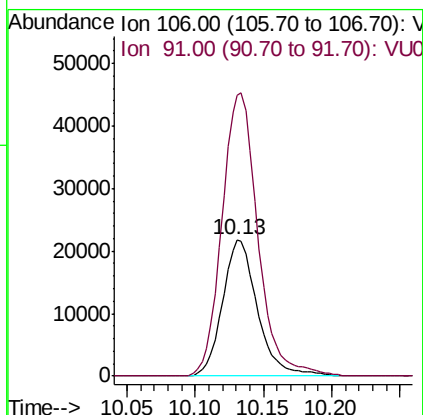
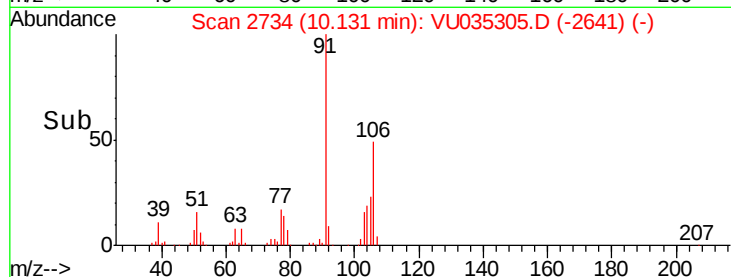
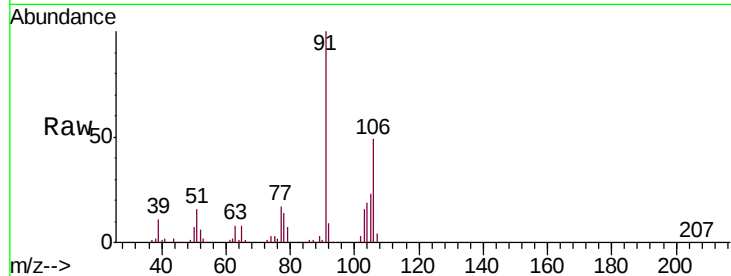




#54
o-xylene
Concen: 4.810 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

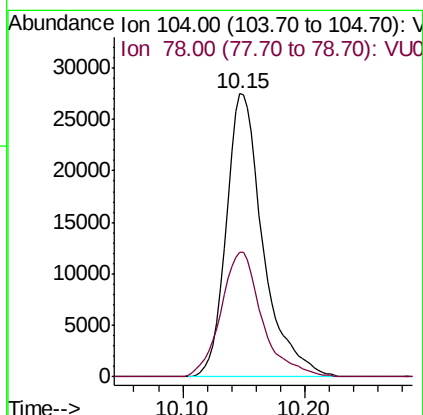
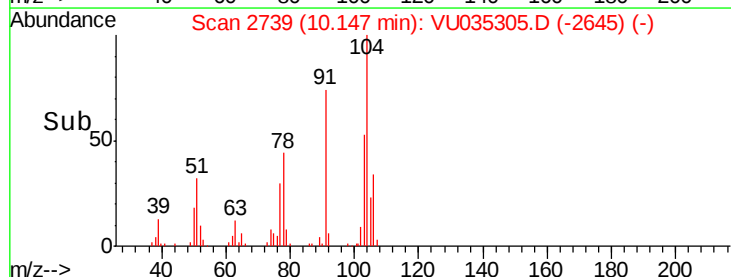
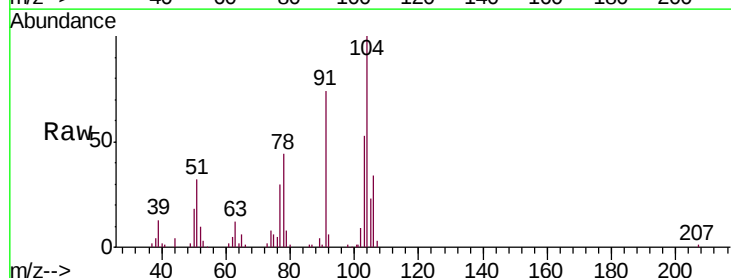
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

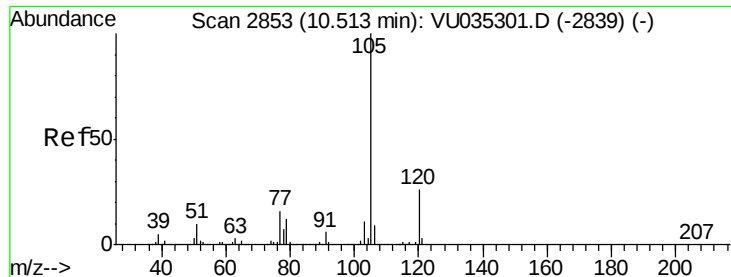
Tgt Ion:106 Resp: 38811
Ion Ratio Lower Upper
106 100
91 206.2 150.6 279.8



#55
Styrene
Concen: 4.315 ug/L
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035305.D
Acq: 19 Oct 2019 09:09

Tgt Ion:104 Resp: 57835
Ion Ratio Lower Upper
104 100
78 43.9 31.5 58.5





#56

Isopropylbenzene

Concen: 4.781 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

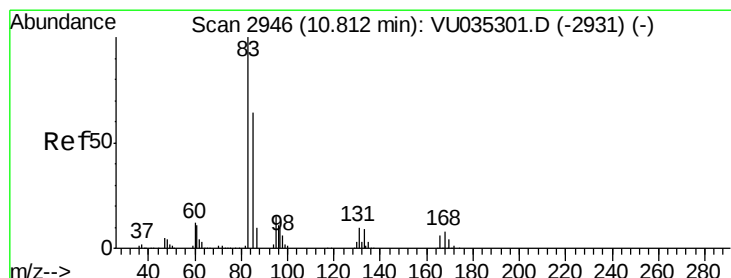
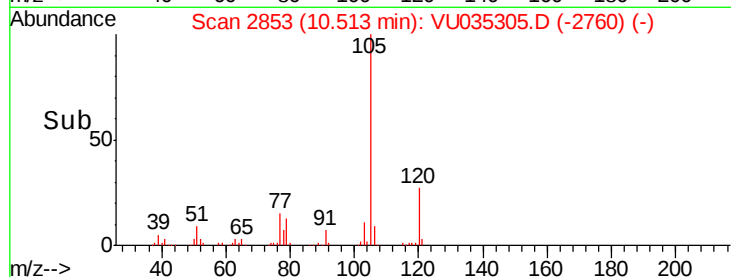
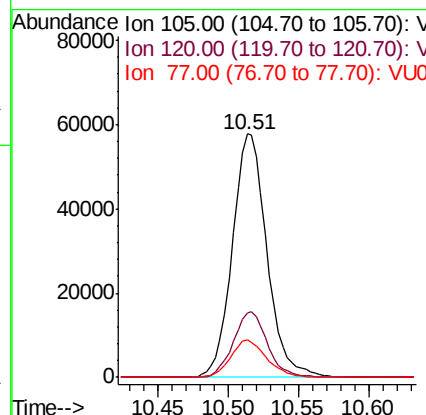
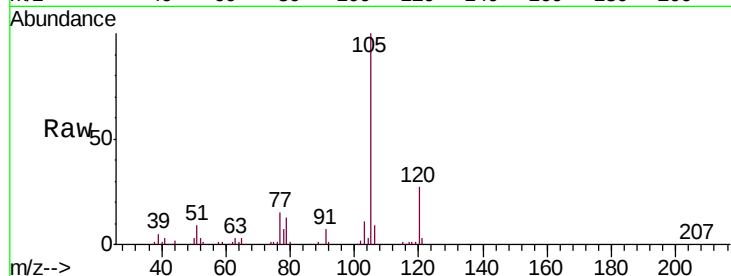
Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion:	105	Resp:	98915
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.1	31.7
77	16.0	12.7	19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 4.956 ug/L

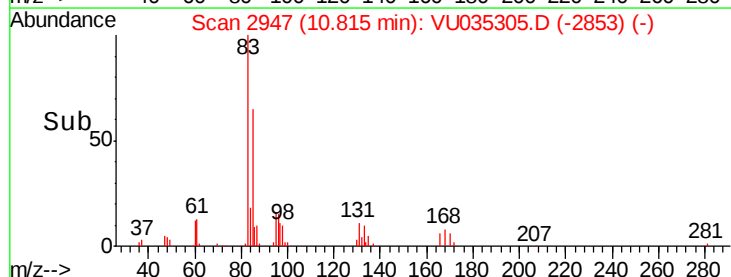
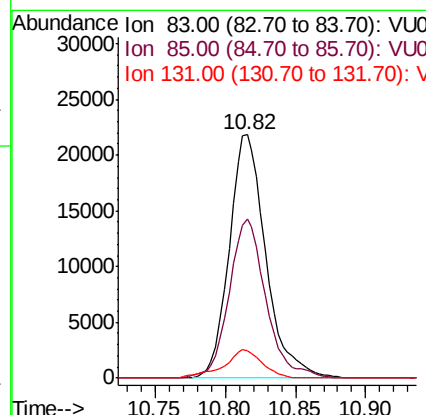
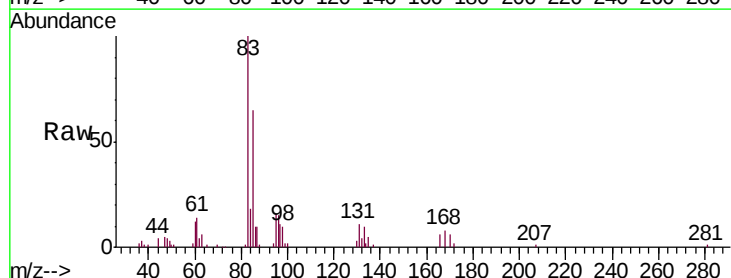
RT: 10.82 min Scan# 2947

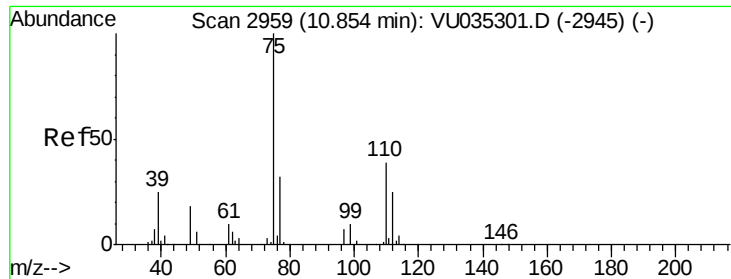
Delta R.T. 0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Tgt Ion:	83	Resp:	39553
Ion	Ratio	Lower	Upper
83	100		
85	65.2	44.9	83.5
131	11.4	7.8	11.6

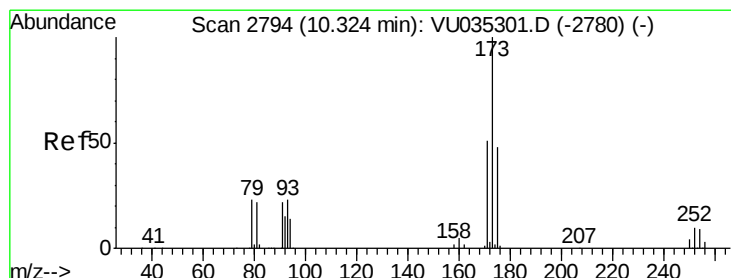
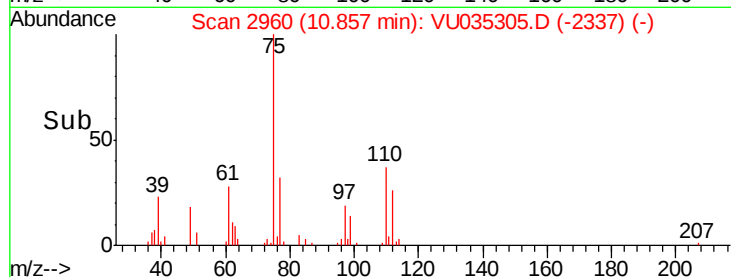
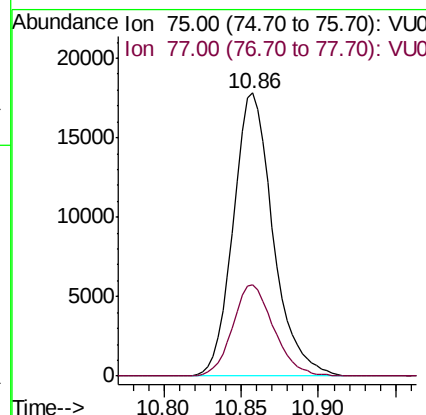
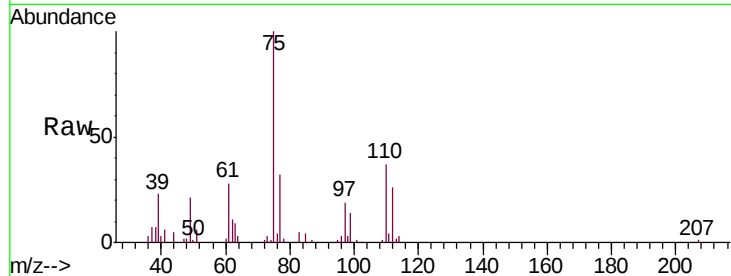




#59
 1,2,3-Trichloropropane
 Concen: 5.104 ug/L
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU035305.D
 Acq: 19 Oct 2019 09:09

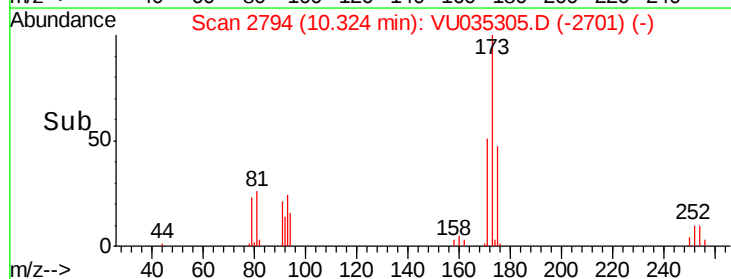
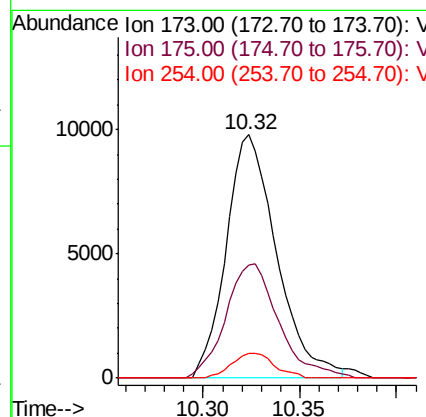
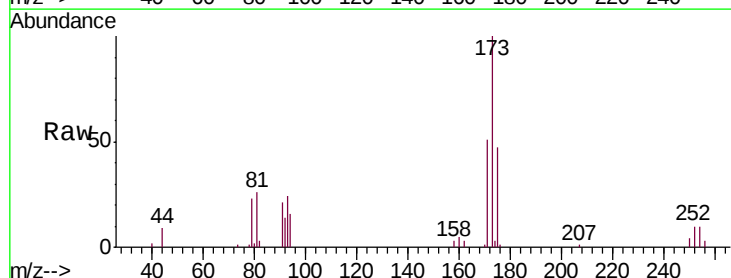
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

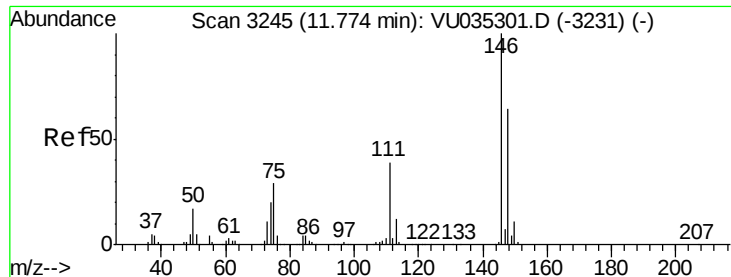
Tgt Ion: 75 Resp: 31831
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.2 39.2



#61
 Bromoform
 Concen: 5.743 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: VU035305.D
 Acq: 19 Oct 2019 09:09

Tgt Ion: 173 Resp: 17756
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.9 58.3
 254 8.7 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 5.707 ug/L

RT: 11.78 min Scan# 3247

Delta R.T. 0.01 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

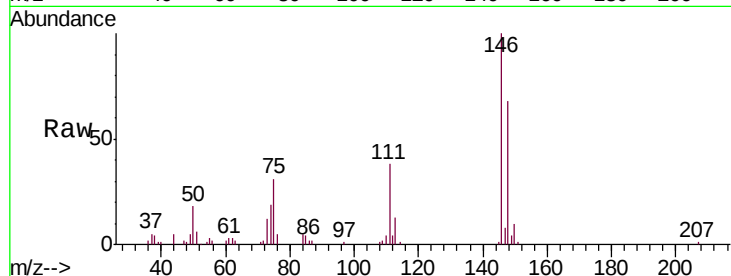
Tgt Ion:146 Resp: 40554

Ion Ratio Lower Upper

146 100

111 38.0 27.3 50.7

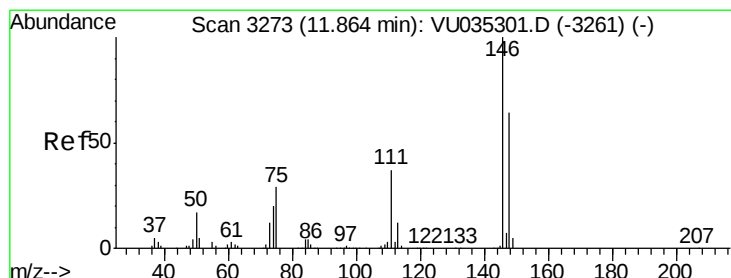
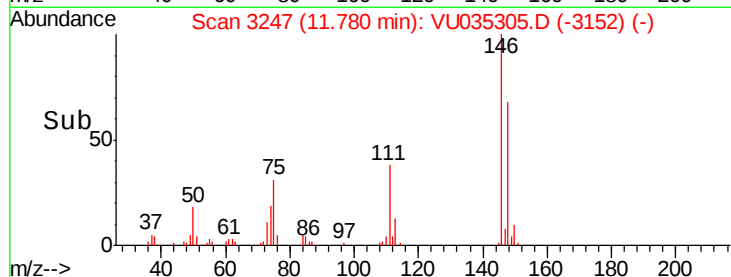
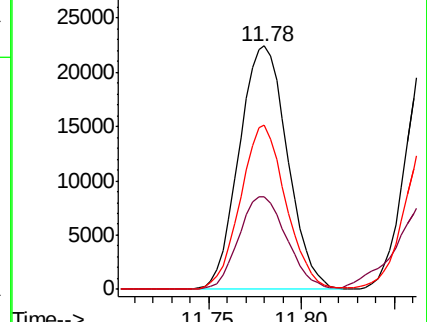
148 67.5 44.8 83.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 6.054 ug/L

RT: 11.87 min Scan# 3275

Delta R.T. 0.01 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

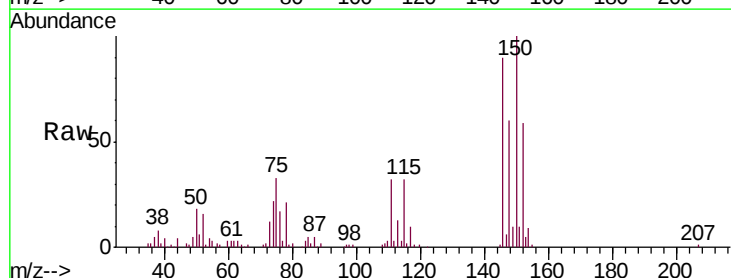
Tgt Ion:146 Resp: 42192

Ion Ratio Lower Upper

146 100

111 35.8 26.2 48.8

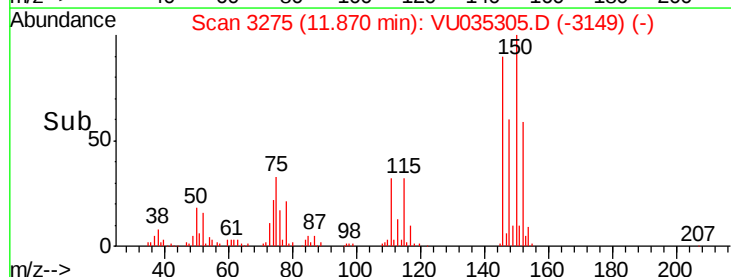
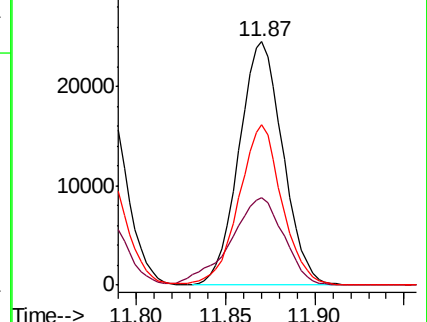
148 66.0 44.5 82.7

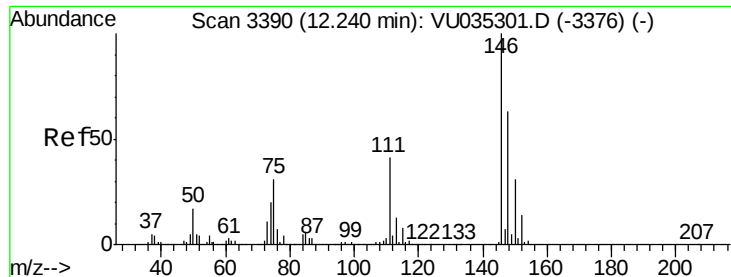


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.611 ug/L

RT: 12.24 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

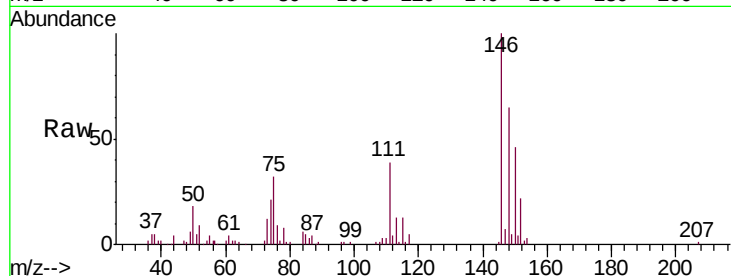
Tgt Ion:146 Resp: 39800

Ion Ratio Lower Upper

146 100

111 38.7 32.8 49.2

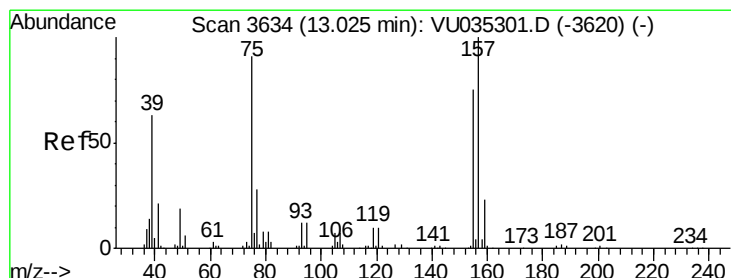
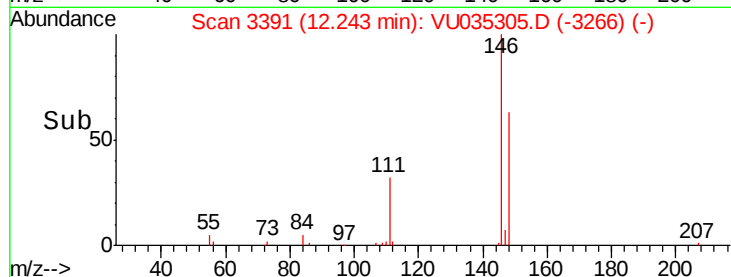
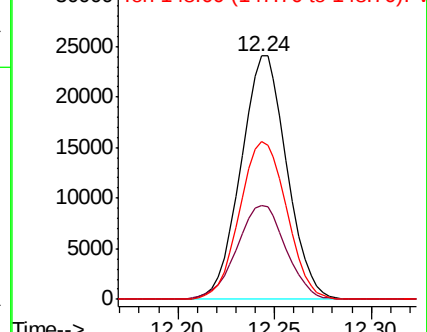
148 64.6 50.2 75.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.341 ug/L

RT: 13.03 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

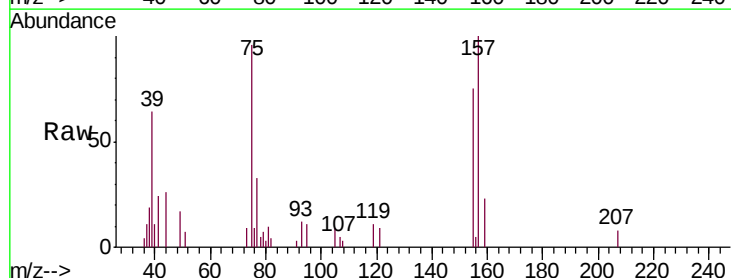
Tgt Ion: 75 Resp: 6009

Ion Ratio Lower Upper

75 100

155 78.4 66.2 99.2

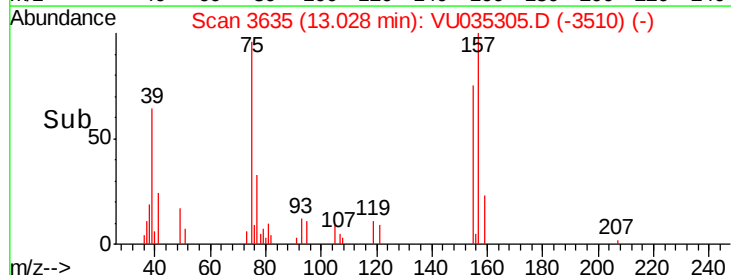
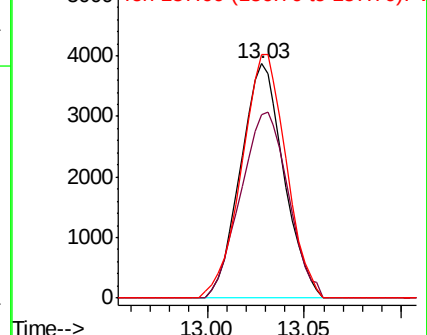
157 103.9 88.2 132.2

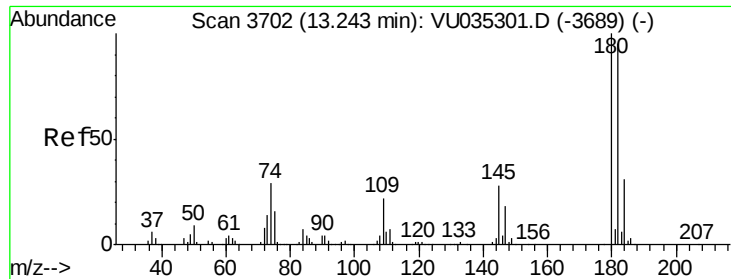


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

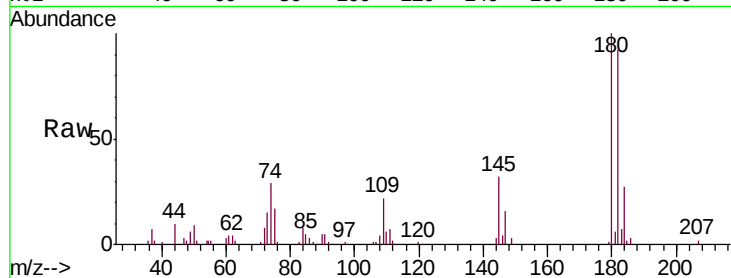




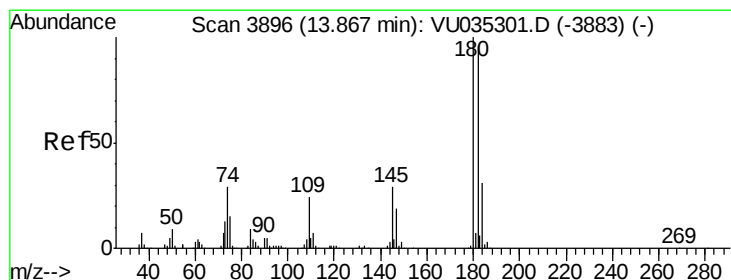
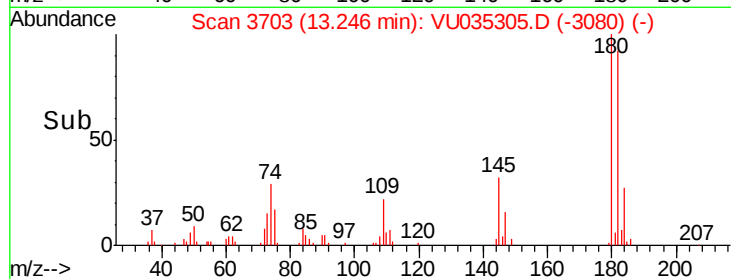
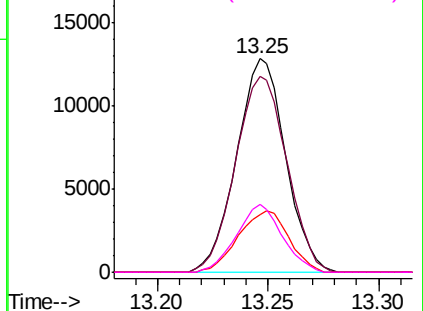
#67
 1,3,5-Trichlorobenzene
 Concen: 4.938 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035305.D
 Acq: 19 Oct 2019 09:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion:	180	Resp:	19857
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.5	114.7
184	29.7	24.5	36.7
145	29.5	22.2	33.4

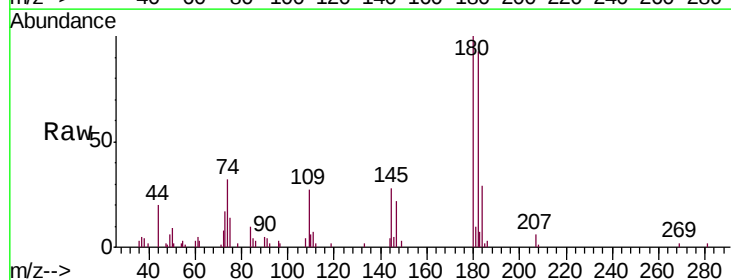


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

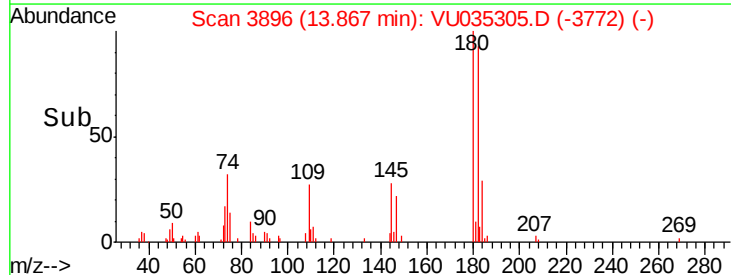
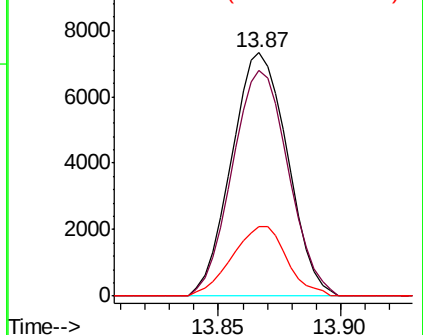


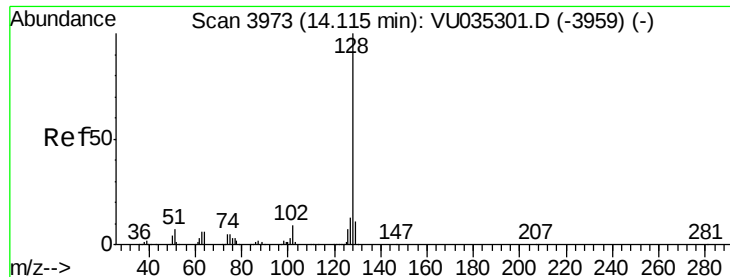
#68
 1,2,4-trichlorobenzene
 Concen: 4.557 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035305.D
 Acq: 19 Oct 2019 09:09

Tgt Ion:	180	Resp:	11649
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.2	114.2
145	28.0	22.8	34.2



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: 5.197 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

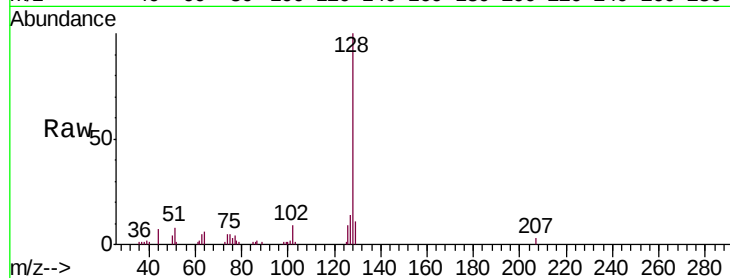
Tgt Ion:128 Resp: 33177

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

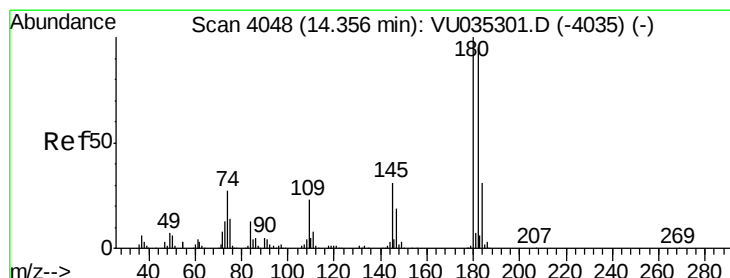
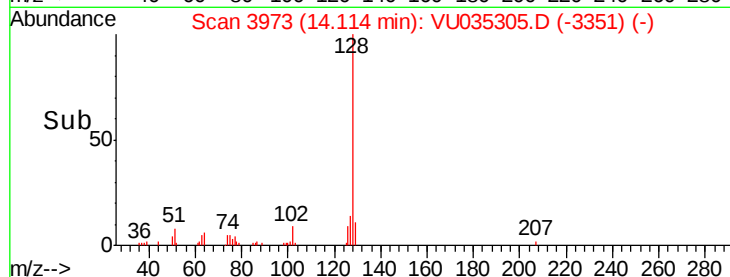
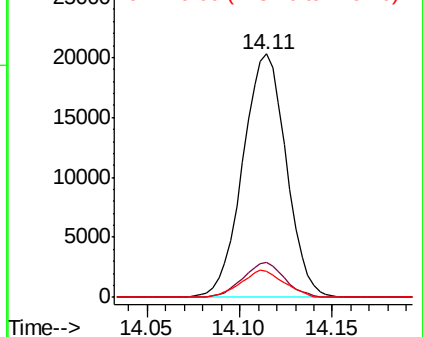
129 11.0 8.6 13.0



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: 4.872 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035305.D

Acq: 19 Oct 2019 09:09

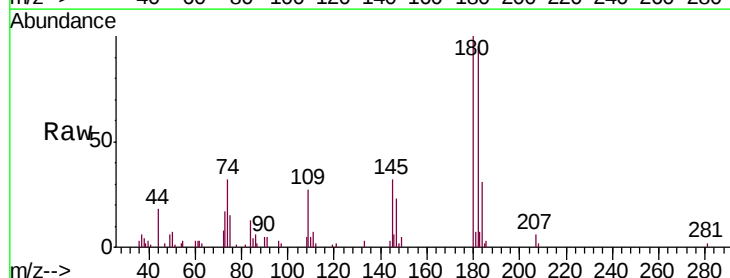
Tgt Ion:180 Resp: 13145

Ion Ratio Lower Upper

180 100

182 92.8 76.2 114.2

145 30.5 24.2 36.4



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

