

Data File : VU035205.D
Acq On : 17 Oct 2019 11:11
Operator : JC/SP
Sample : VSTD02004
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Quant Time: Oct 18 02:14:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 02:07:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	440989	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	419324	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	217484	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	465111	17.51	ug/L	0.00
7) Chloroethane-d5	1.93	69	472015	19.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	929084	17.05	ug/L	0.00
20) 2-Butanone-d5	4.71	46	1322688	168.93	ug/L	0.00
24) Chloroform-d	5.11	84	862304	17.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	456766	15.67	ug/L	0.00
32) Benzene-d6	5.77	84	1666966	16.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	528492	16.05	ug/L	0.00
41) Toluene-d8	7.93	98	1592427	16.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	254488	20.04	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	1184432	201.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	471530	16.84	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	632964	16.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	822119	20.613 ug/L	99
3) Chloromethane	1.53	50	784161	18.295 ug/L	99
5) Vinyl chloride	1.62	62	847417	19.956 ug/L	99
6) Bromomethane	1.87	94	561206	23.333 ug/L	99
8) Chloroethane	1.95	64	596144	23.292 ug/L	100
9) Trichlorofluoromethane	2.16	101	1106817	21.108 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	638620	21.030 ug/L	98
12) 1,1-Dichloroethene	2.61	96	611022	21.568 ug/L	87
13) Acetone	2.69	43	1126440	182.130 ug/L	100
14) Carbon disulfide	2.82	76	1934801	20.715 ug/L	99
15) Methyl Acetate	3.00	43	275119	17.047 ug/L	100
16) Methylene chloride	3.09	84	670503	19.224 ug/L	97
17) Methyl tert-butyl Ether	3.43	73	1673020	21.514 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	669251	21.886 ug/L	96
19) 1,1-Dichloroethane	3.92	63	1219510	20.503 ug/L	100
21) 2-Butanone	4.79	43	1913521	214.946 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	753342	22.098 ug/L	100
23) Bromochloromethane	5.03	128	320350	22.511 ug/L	98
25) Chloroform	5.14	83	1231539	18.522 ug/L	100
27) 1,2-Dichloroethane	5.84	62	803017	20.397 ug/L	98
29) 1,1,1-Trichloroethane	5.37	97	1076386	22.558 ug/L	99
30) Cyclohexane	5.43	56	1145254	21.946 ug/L	99
31) Carbon tetrachloride	5.57	117	982249	23.671 ug/L	99
33) Benzene	5.82	78	2691582	21.286 ug/L	100
34) Trichloroethene	6.58	95	729152	22.265 ug/L	98
35) Methylcyclohexane	6.80	83	1226619	22.949 ug/L	99
37) 1,2-Dichloropropane	6.83	63	687066	20.402 ug/L	100
38) Bromodichloromethane	7.15	83	930841	22.942 ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	1176489	24.710 ug/L	98
40) 4-Methyl-2-pentanone	7.85	43	4620812	214.468 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	2973253	22.436	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	955937	25.710	ug/L	97
45) 1,1,2-Trichloroethane	8.44	97	506913	22.170	ug/L	99
47) Tetrachloroethene	8.59	164	604684	22.648	ug/L	99
48) 2-Hexanone	8.74	43	3300927	222.596	ug/L	99
49) Dibromochloromethane	8.85	129	665888	24.809	ug/L	99
50) 1,2-Dibromoethane	8.96	107	514831	23.378	ug/L	100
51) Chlorobenzene	9.48	112	1944887	22.544	ug/L	98
52) Ethylbenzene	9.60	91	3432018	23.247	ug/L	99
53) m,p-Xylene	9.73	106	1298936	23.730	ug/L	100
54) o-Xylene	10.13	106	1272908	23.792	ug/L	98
55) Styrene	10.15	104	2158957	24.878	ug/L	100
56) Isopropylbenzene	10.51	105	3409411	23.810	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	673193	21.866	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	477703	21.503	ug/L	98
61) Bromoform	10.32	173	418408	26.133	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	1577029	23.154	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	1550260	22.606	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	1472787	22.542	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	109908	26.339	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	1135296	25.020	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	952413	28.975	ug/L	100
69) Naphthalene	14.11	128	1399412	28.455	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	832378	26.166	ug/L	99

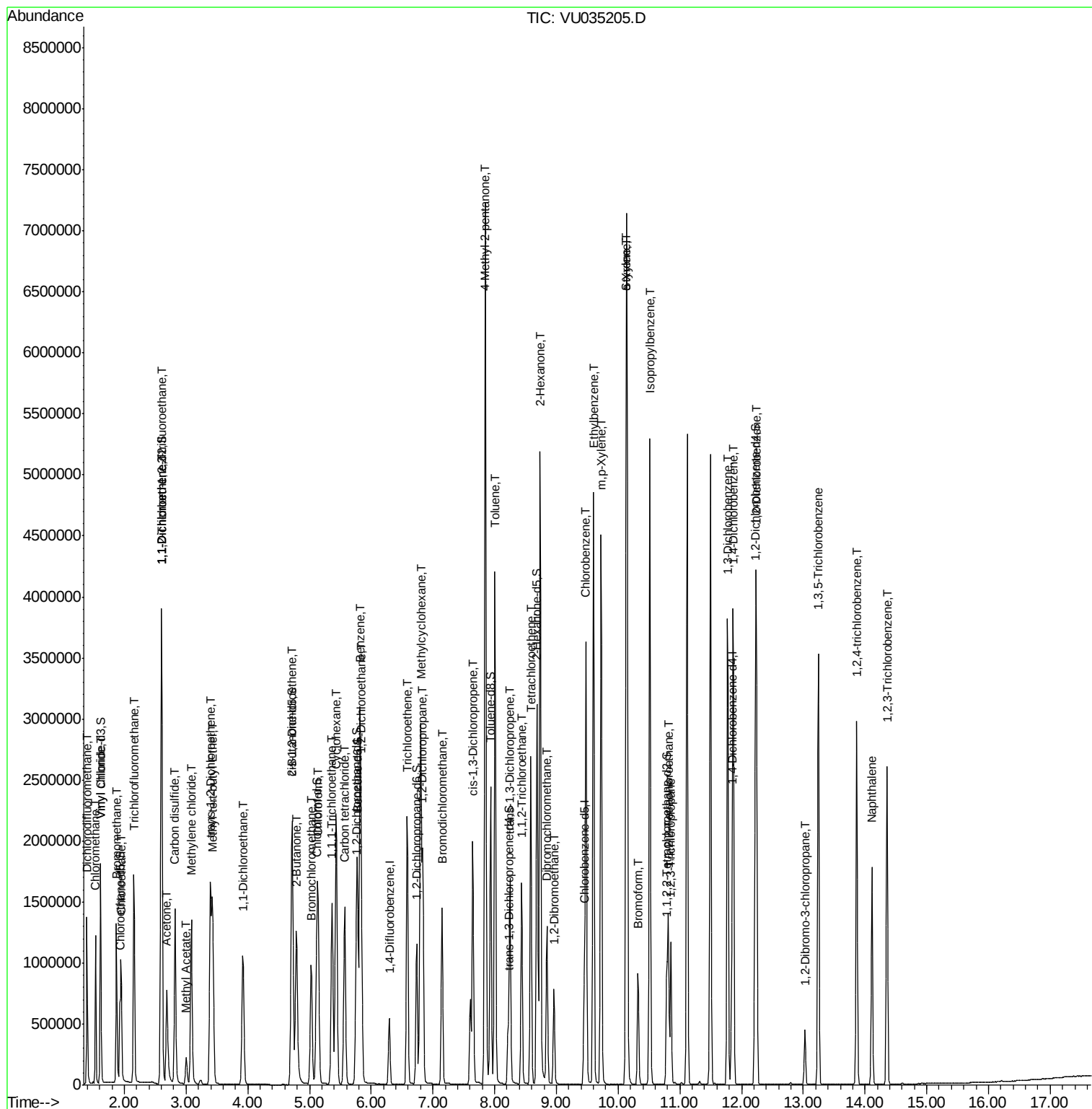
(#) = qualifier out of range (m) = manual integration (+) = signals summed

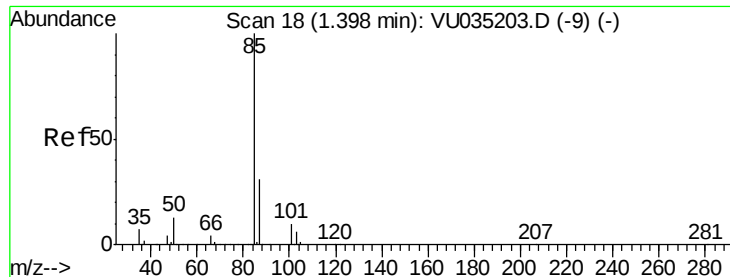
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#2

Dichlorodifluoromethane

Concen: 20.613 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

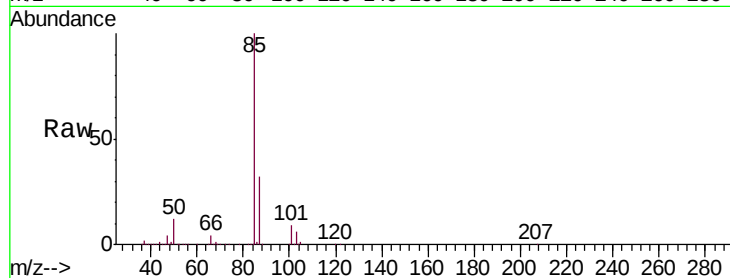
VSTD02004

Tgt Ion: 85 Resp: 822119

Ion Ratio Lower Upper

85 100

87 32.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035205.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035205.D (-1) (-)

1.39

800000

600000

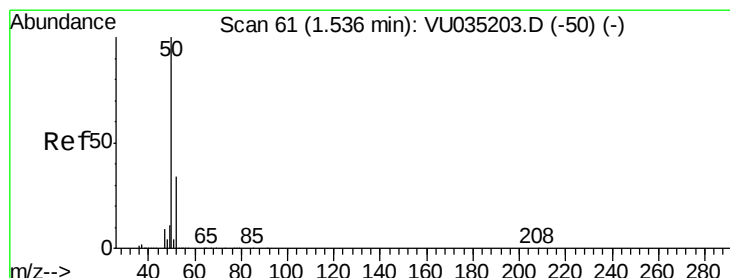
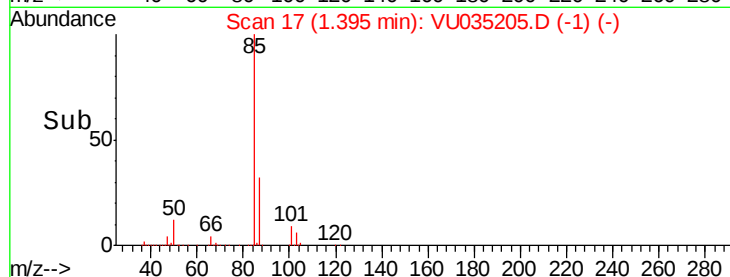
400000

200000

0

1.35 1.40 1.45 1.50

Time-->



#3

Chloromethane

Concen: 18.295 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035205.D

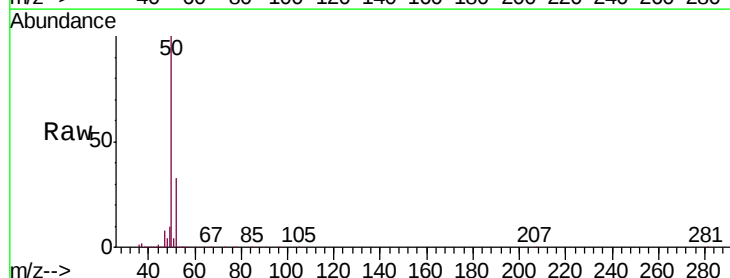
Acq: 17 Oct 2019 11:11

Tgt Ion: 50 Resp: 784161

Ion Ratio Lower Upper

50 100

52 32.9 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035205.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035205.D (-1) (-)

1.53

800000

600000

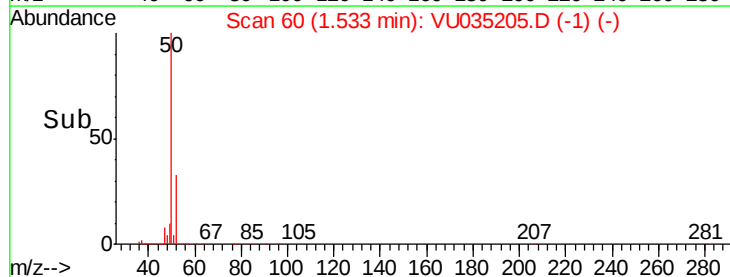
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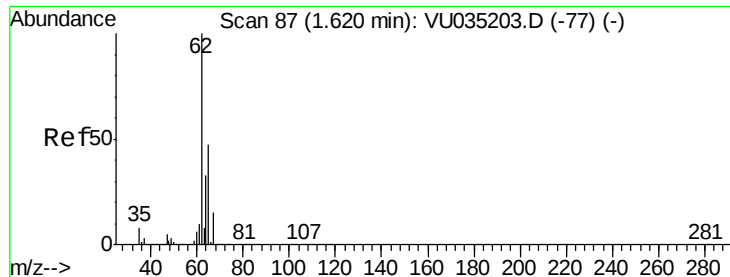
200000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 19.956 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

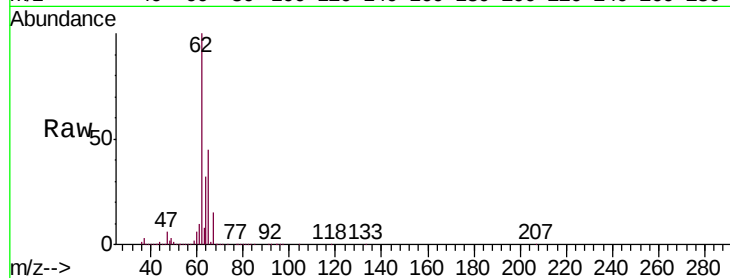
VSTD02004

Tgt Ion: 62 Resp: 847417

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035203.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035203.D (-77) (-)

1.62

800000

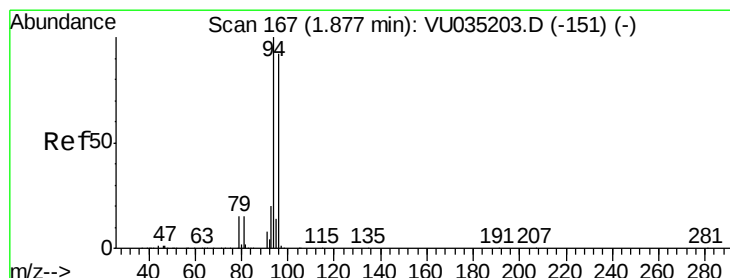
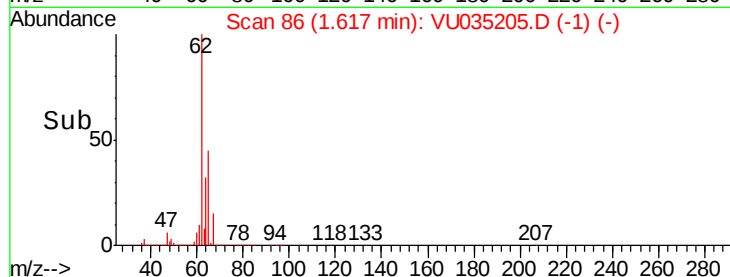
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 23.333 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035205.D

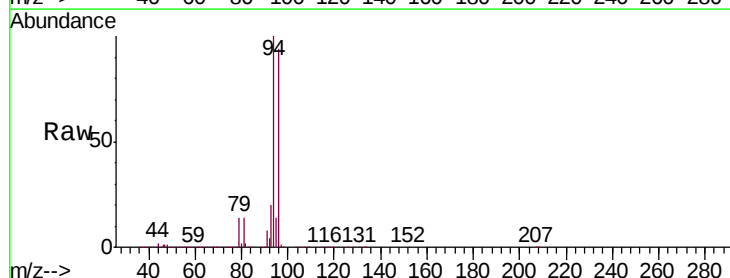
Acq: 17 Oct 2019 11:11

Tgt Ion: 94 Resp: 561206

Ion Ratio Lower Upper

94 100

96 93.6 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035203.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU035203.D (-151) (-)

1.87

500000

400000

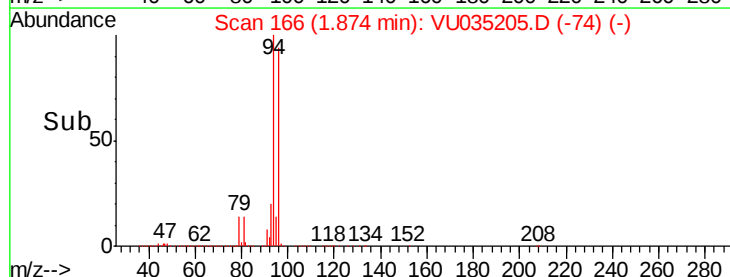
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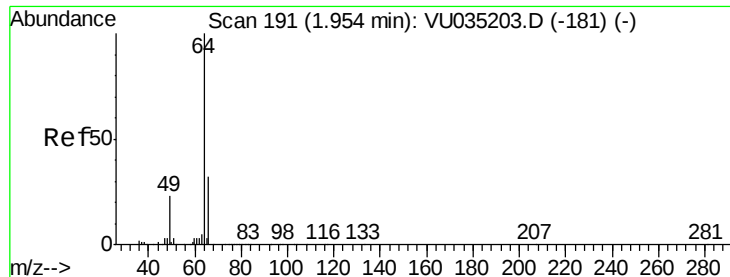
200000

100000

0

Time-->





#8

Chloroethane

Concen: 23.292 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.01 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

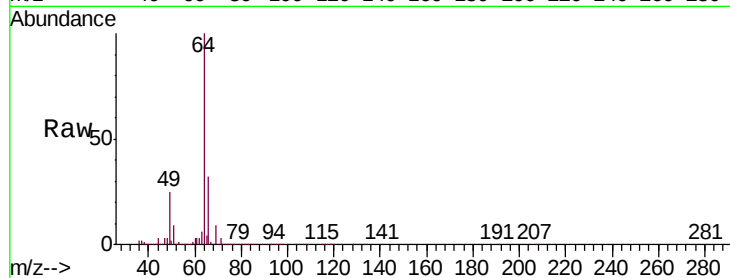
VSTD02004

Tgt Ion: 64 Resp: 596144

Ion Ratio Lower Upper

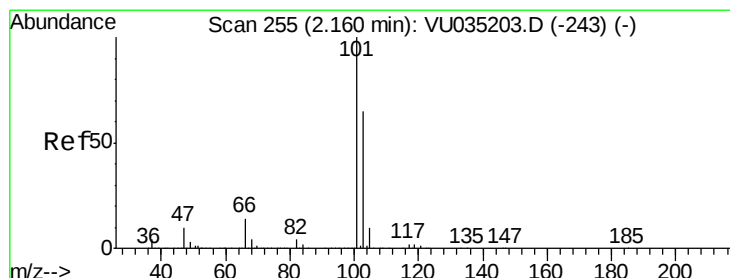
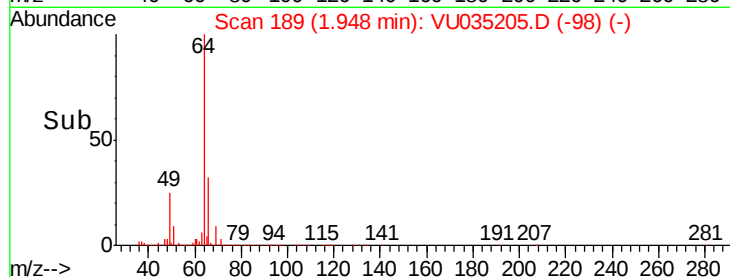
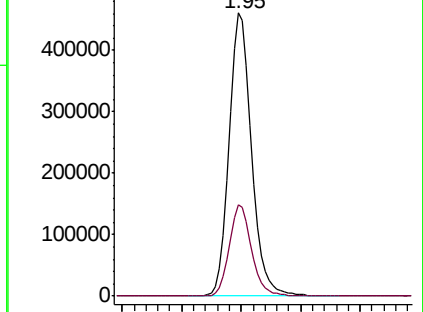
64 100

66 32.1 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU035205.D (-98) (-)

Ion 66.05 (65.75 to 66.75): VU035205.D (-98) (-)



#9

Trichlorofluoromethane

Concen: 21.108 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035205.D

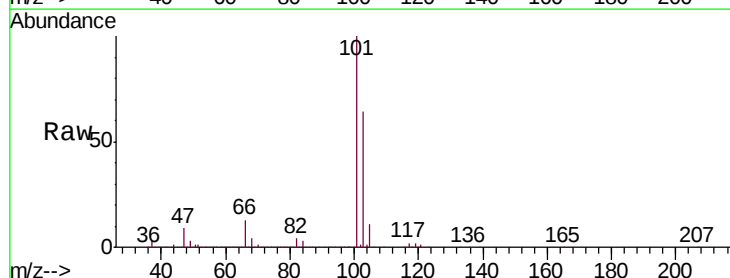
Acq: 17 Oct 2019 11:11

Tgt Ion: 101 Resp: 1106817

Ion Ratio Lower Upper

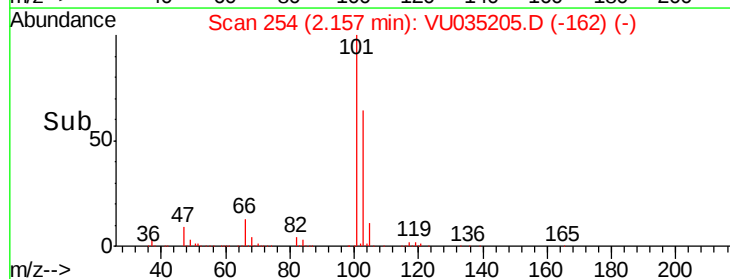
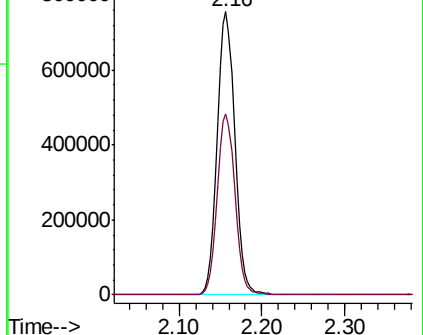
101 100

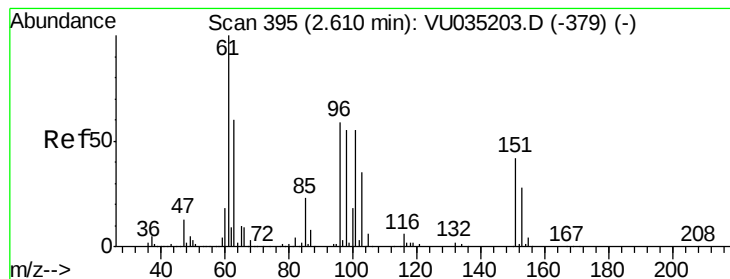
103 64.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU035205.D (-162) (-)

Ion 103.00 (102.70 to 103.70): VU035205.D (-162) (-)





#10

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

Concen: 21.030 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

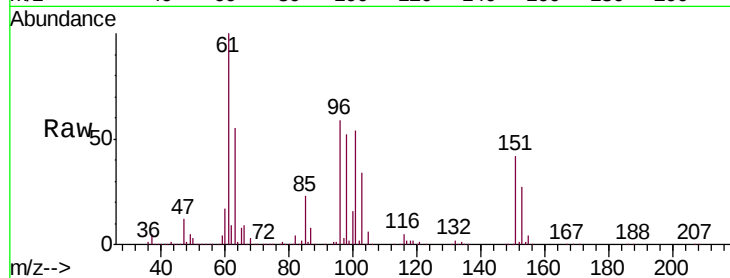
Tgt Ion: 101 Resp: 638620

Ion Ratio Lower Upper

101 100

85 43.5 33.9 50.9

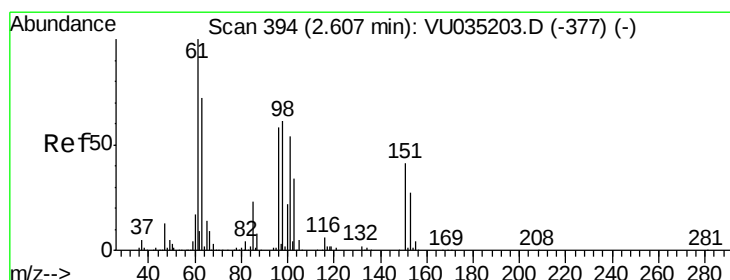
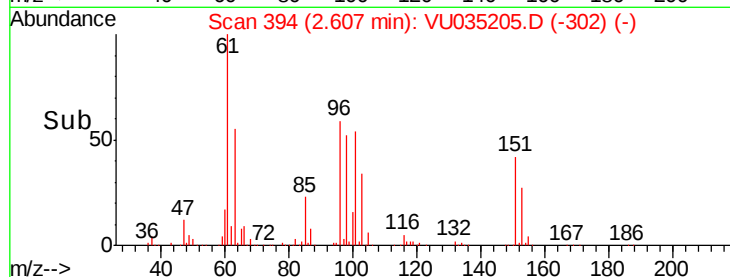
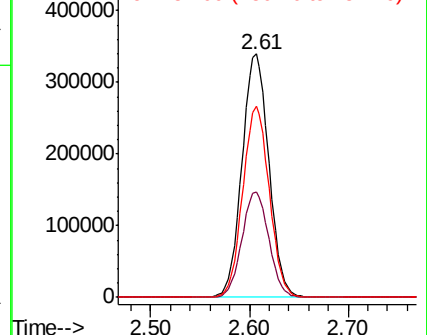
151 77.5 61.0 91.4



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: 21.568 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

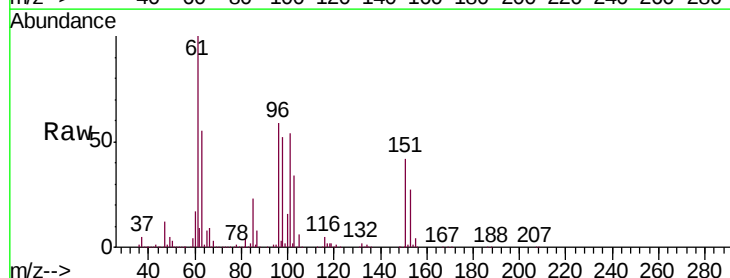
Tgt Ion: 96 Resp: 611022

Ion Ratio Lower Upper

96 100

61 168.2 120.6 224.0

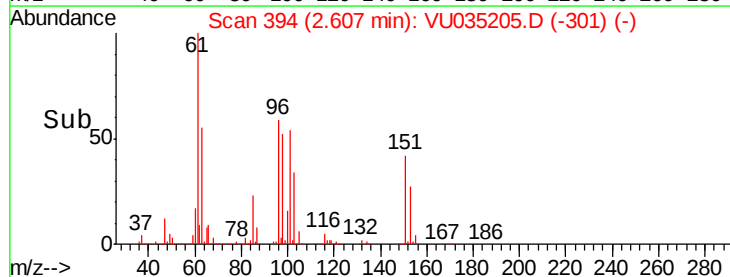
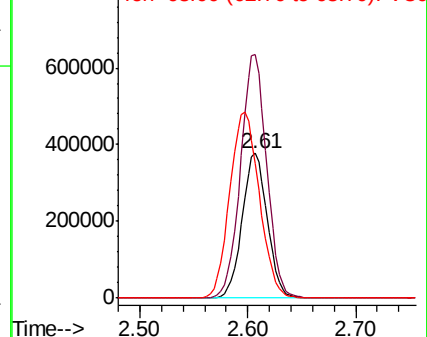
63 92.7 86.8 161.2

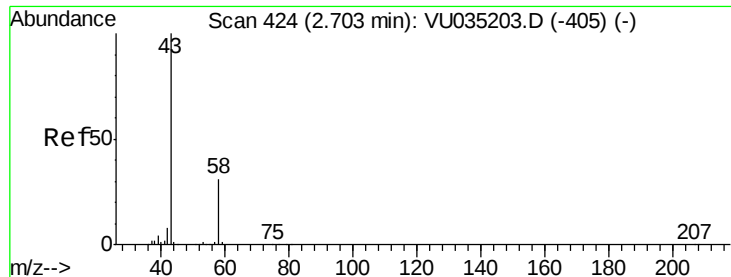


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 182.130 ug/L

RT: 2.69 min Scan# 419

Delta R.T. -0.02 min

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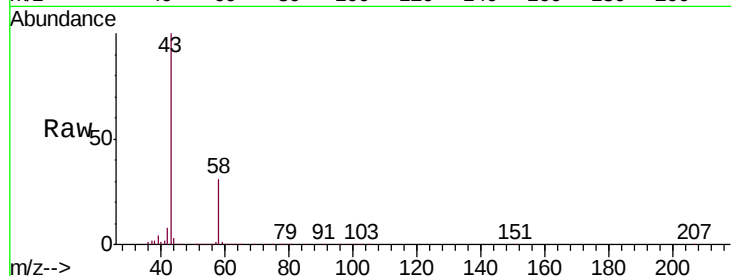
VSTD02004

Tgt Ion: 43 Resp: 1126440

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035203.D (-405) (-)

Ion 58.05 (57.75 to 58.75): VU035203.D (-405) (-)

2.69

500000

400000

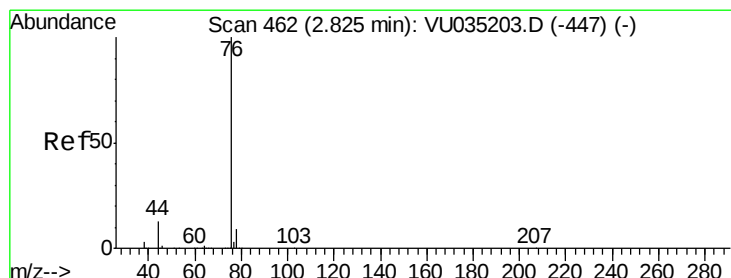
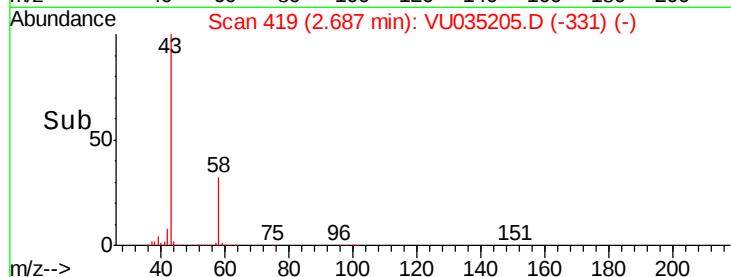
300000

200000

100000

0

Time-->



#14

Carbon disulfide

Concen: 20.715 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035205.D

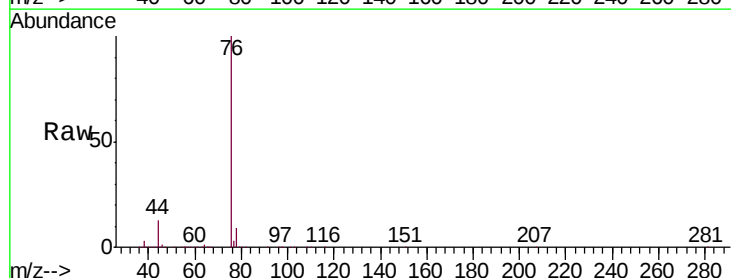
Acq: 17 Oct 2019 11:11

Tgt Ion: 76 Resp: 1934801

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035203.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035203.D (-447) (-)

2.82

1200000

1000000

800000

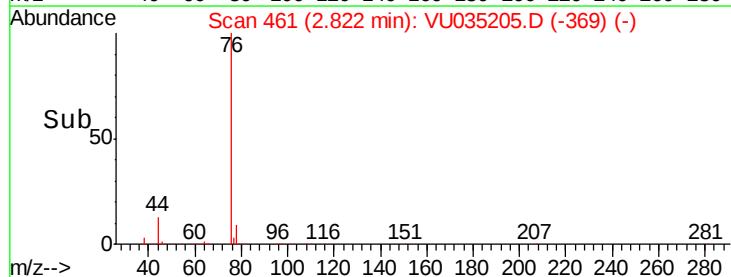
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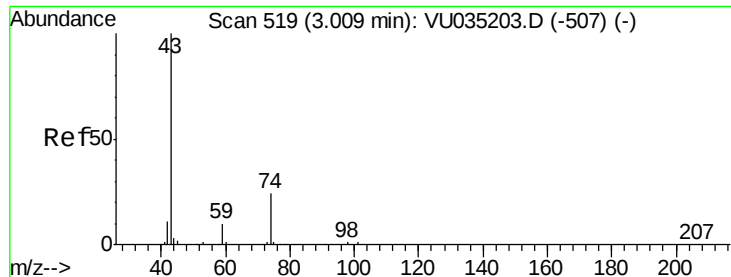
400000

200000

0

Time-->





#15

Methyl Acetate

Concen: 17.047 ug/L

RT: 3.00 min Scan# 517

Delta R.T. -0.01 min

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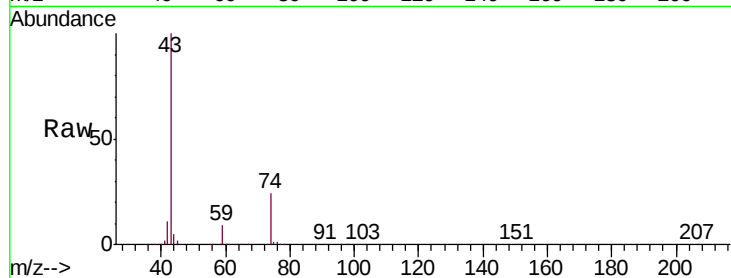
VSTD02004

Tgt Ion: 43 Resp: 275119

Ion Ratio Lower Upper

43 100

74 25.4 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VU035203.D (-507) (-)

Ion 74.05 (73.75 to 74.75): VU035203.D (-507) (-)

3.00

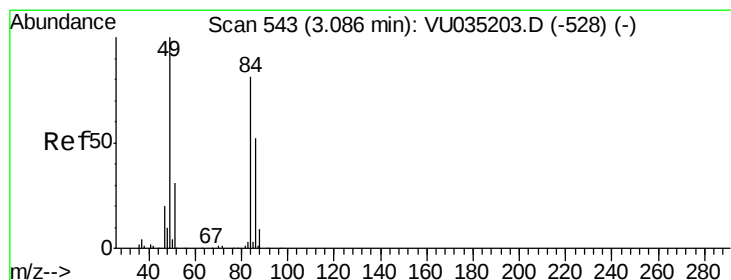
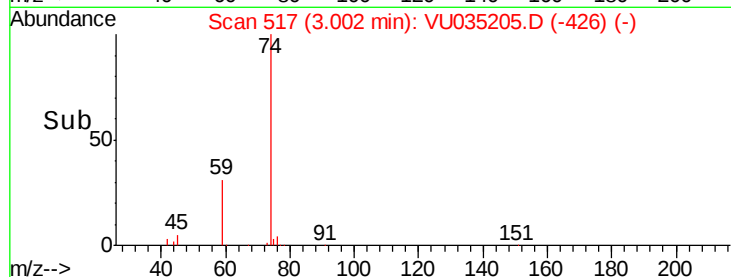
150000

100000

50000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#16

Methylene chloride

Concen: 19.224 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

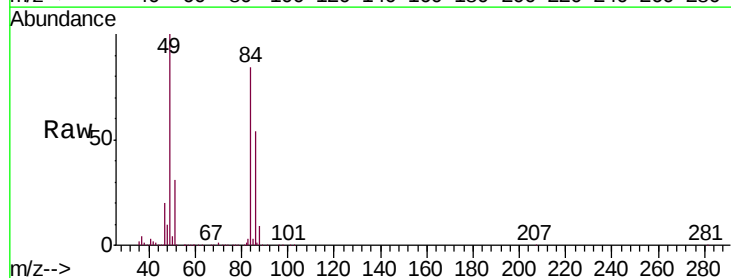
Tgt Ion: 84 Resp: 670503

Ion Ratio Lower Upper

84 100

86 64.7 45.4 84.2

49 119.5 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU035203.D (-528) (-)

Ion 86.00 (85.70 to 86.70): VU035203.D (-528) (-)

Ion 49.10 (48.80 to 49.80): VU035203.D (-528) (-)

3.09

500000

400000

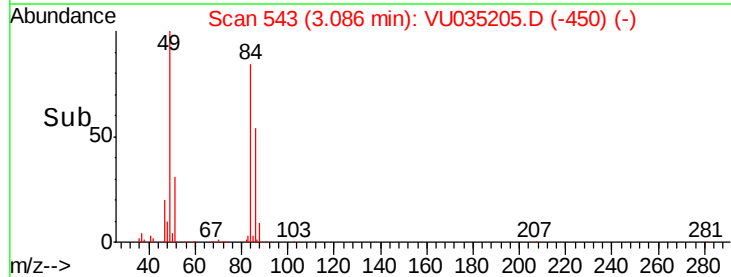
300000

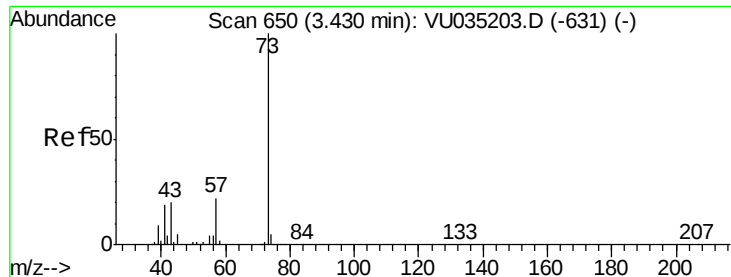
200000

100000

0

Time--> 3.00 3.10 3.20

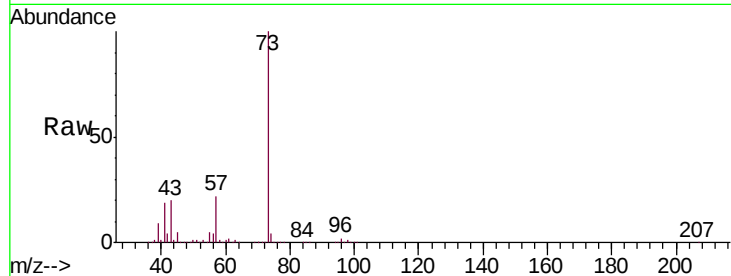




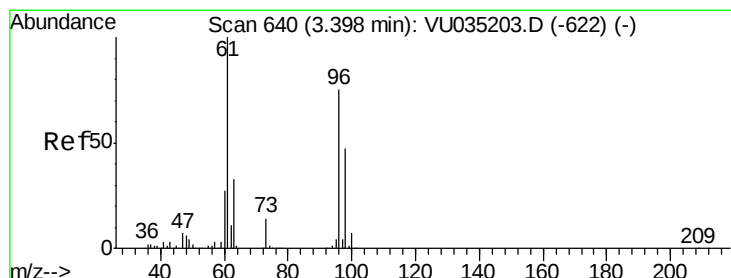
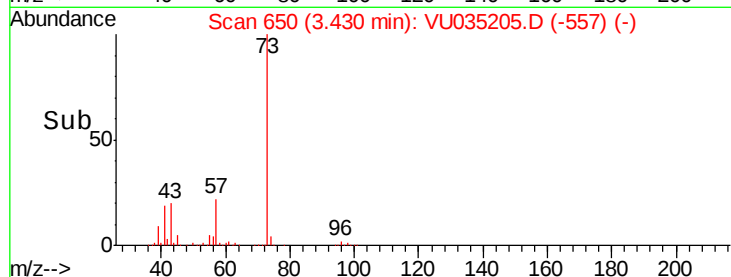
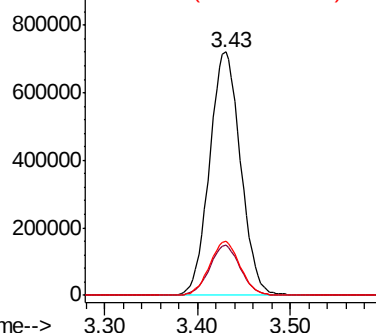
#17
Methyl tert-butyl Ether
Concen: 21.514 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion: 73 Resp: 1673020
Ion Ratio Lower Upper
73 100
43 20.3 16.0 24.0
57 21.9 17.4 26.2

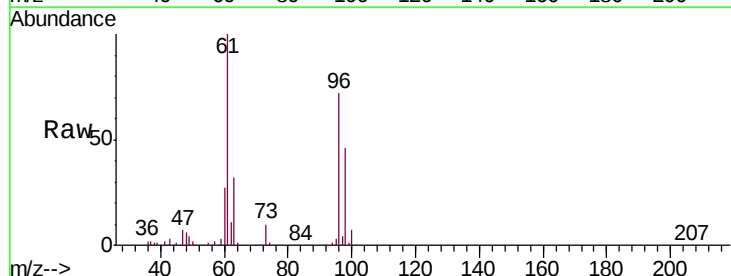


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

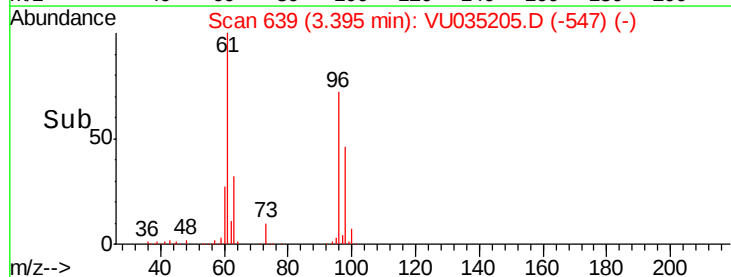
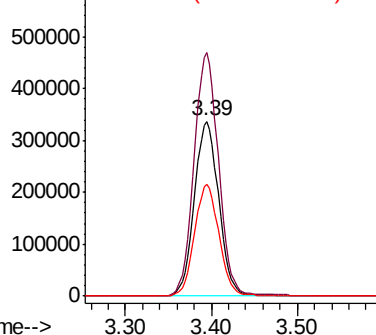


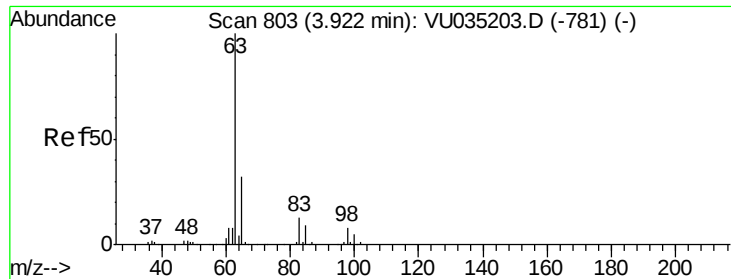
#18
trans-1,2-Dichloroethene
Concen: 21.886 ug/L
RT: 3.39 min Scan# 639
Delta R.T. -0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

Tgt Ion: 96 Resp: 669251
Ion Ratio Lower Upper
96 100
61 139.3 93.0 172.6
98 64.1 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

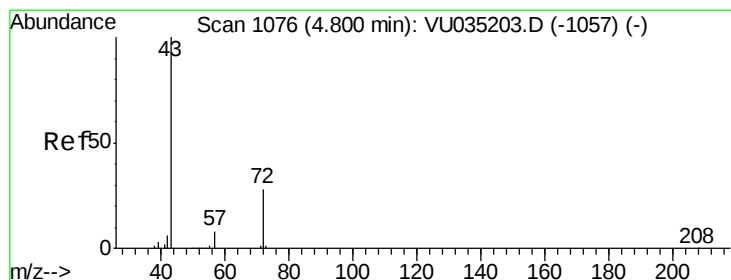
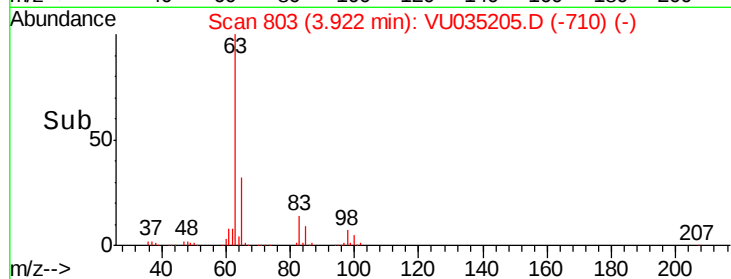
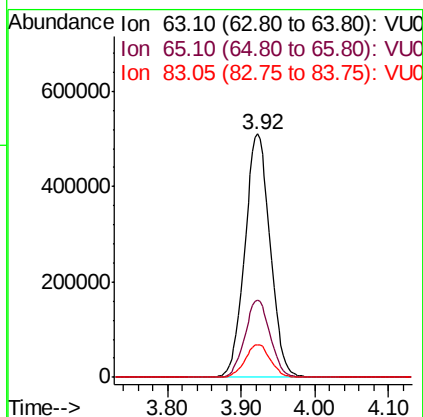
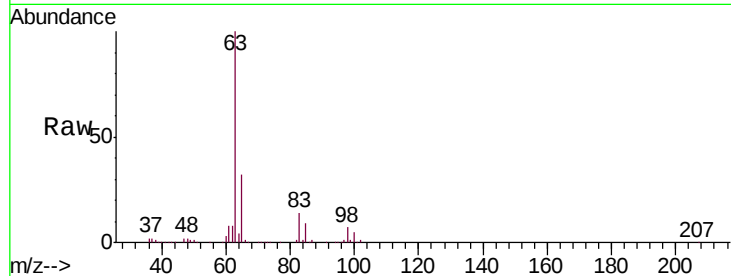




#19
 1,1-Dichloroethane
 Concen: 20.503 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

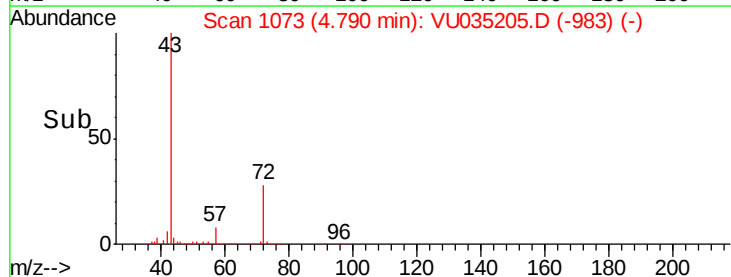
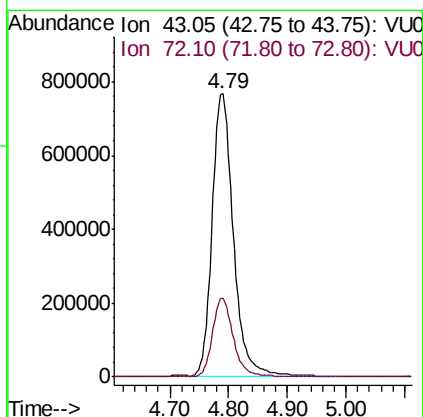
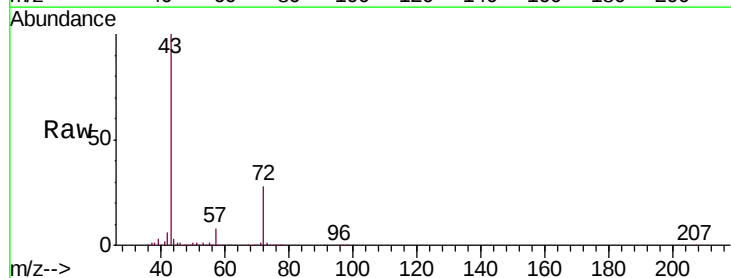
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

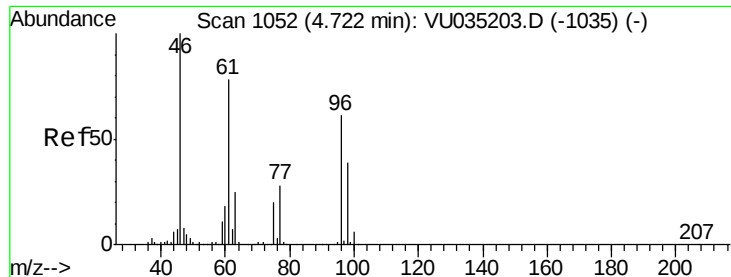
Tgt Ion: 63 Resp: 1219510
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.4 41.6
 83 13.5 9.3 17.3



#21
 2-Butanone
 Concen: 214.946 ug/L
 RT: 4.79 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Tgt Ion: 43 Resp: 1913521
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.6 40.8





#22

cis-1,2-Dichloroethene

Concen: 22.098 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

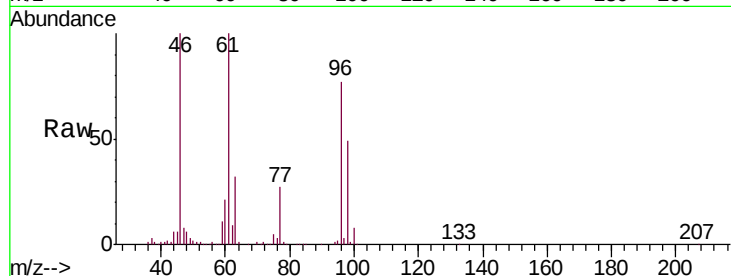
Tgt Ion: 96 Resp: 753342

Ion Ratio Lower Upper

96 100

61 128.6 89.7 166.5

68 0.0 0.0 0.0

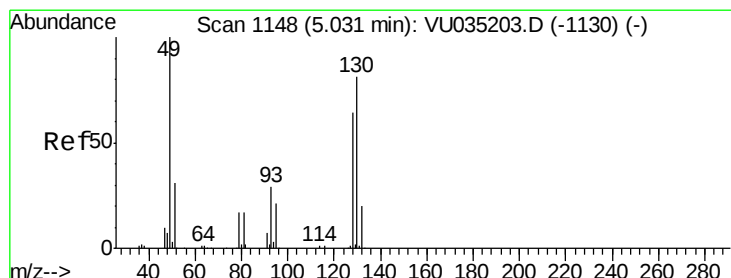
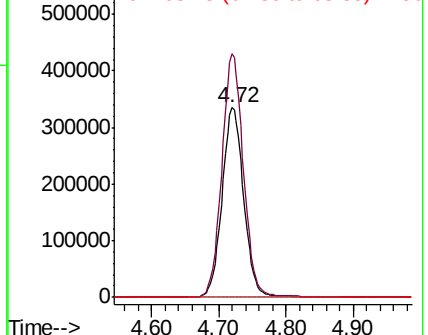
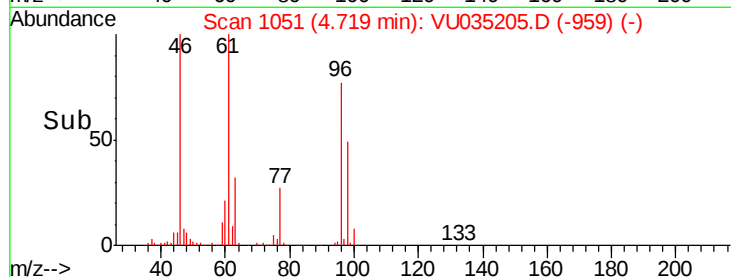


Abundance

Ion 96.00 (95.70 to 96.70): VU035205.D (-959) (-)

Ion 61.05 (60.75 to 61.75): VU035205.D (-959) (-)

Ion 68.15 (67.85 to 68.85): VU035205.D (-959) (-)



#23

Bromochloromethane

Concen: 22.511 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Tgt Ion: 128 Resp: 320350

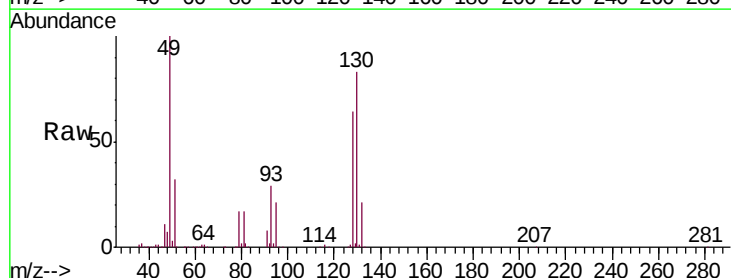
Ion Ratio Lower Upper

128 100

49 156.6 109.3 203.1

130 130.6 88.7 164.7

51 49.7 39.2 58.8



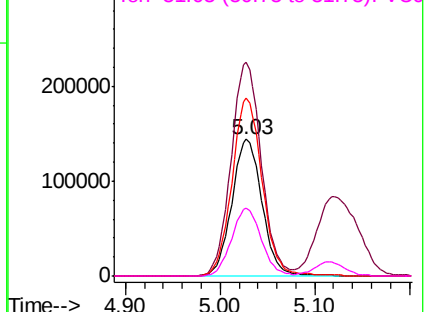
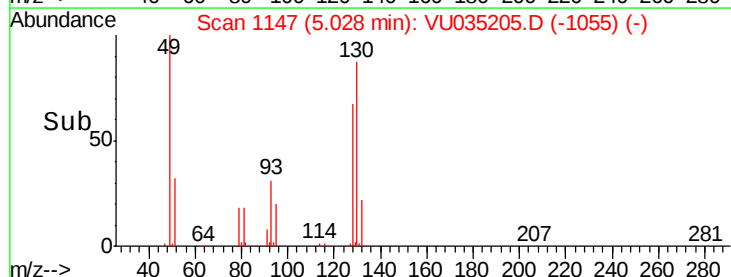
Abundance

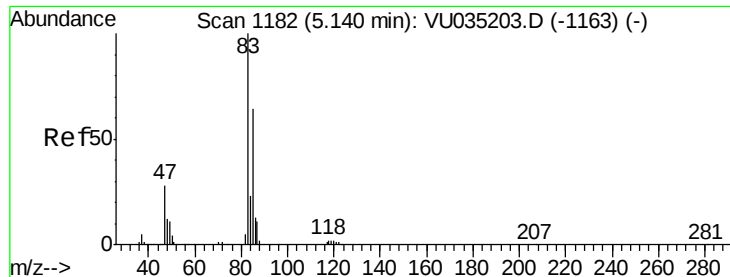
Ion 127.90 (127.60 to 128.60): VU035205.D (-1055) (-)

Ion 49.10 (48.80 to 49.80): VU035205.D (-1055) (-)

Ion 129.95 (129.65 to 130.65): VU035205.D (-1055) (-)

Ion 51.05 (50.75 to 51.75): VU035205.D (-1055) (-)

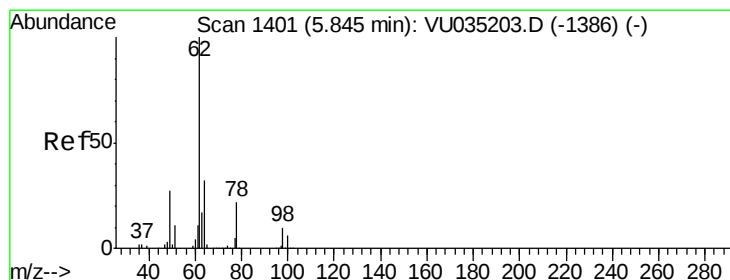
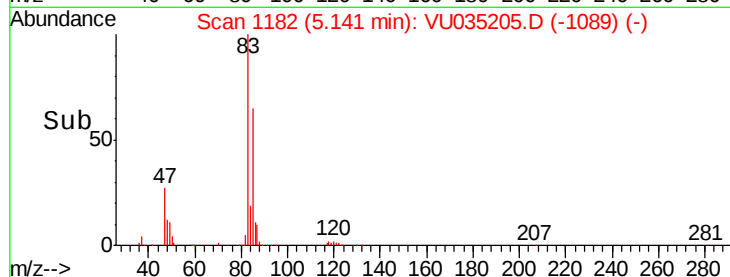
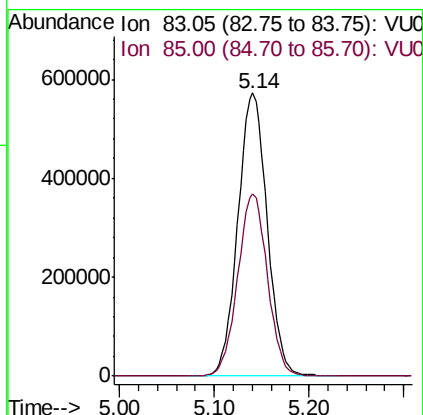
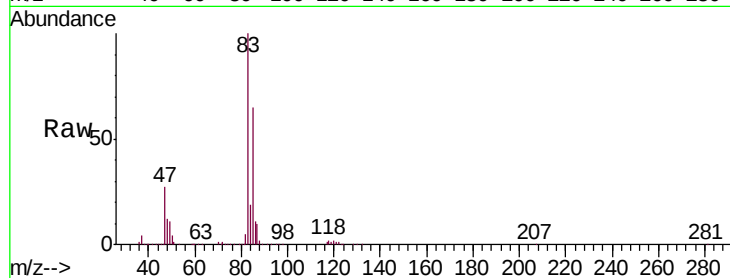




#25
Chloroform
Concen: 18.522 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

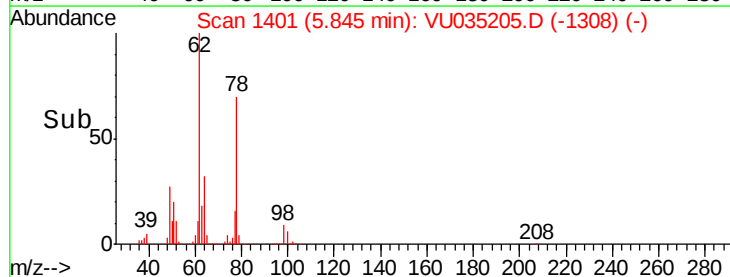
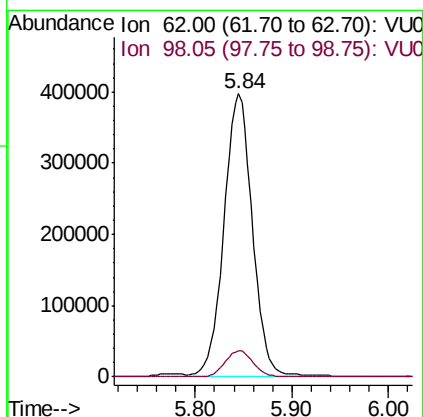
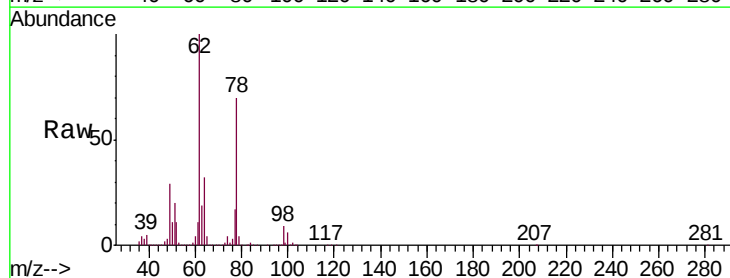
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

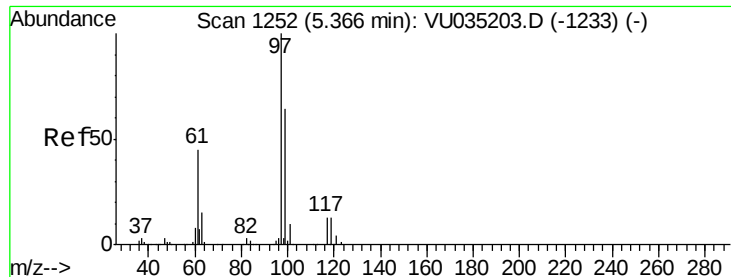
Tgt Ion: 83 Resp: 1231539
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 20.397 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

Tgt Ion: 62 Resp: 803017
Ion Ratio Lower Upper
62 100
98 9.1 7.8 11.6

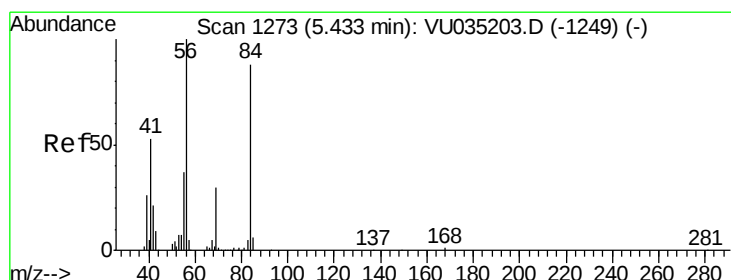
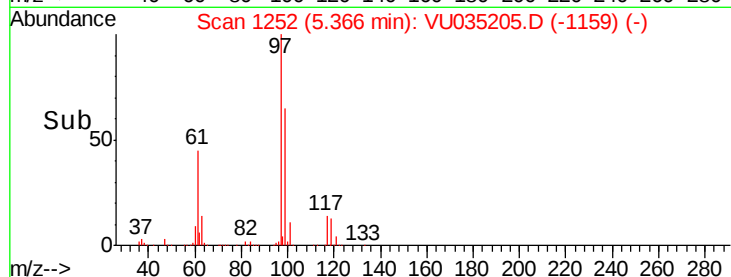
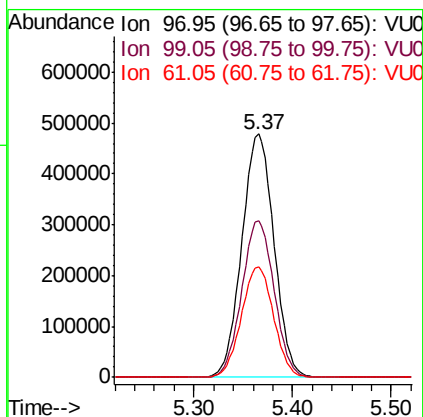
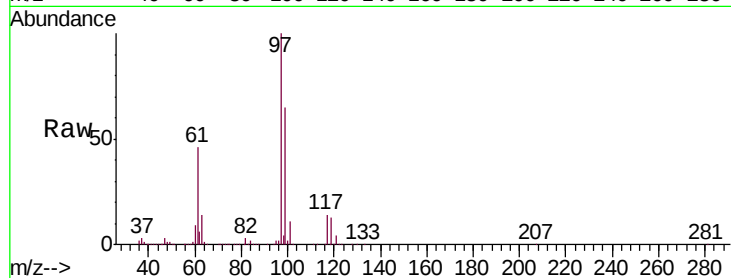




#29
 1,1,1-Trichloroethane
 Concen: 22.558 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

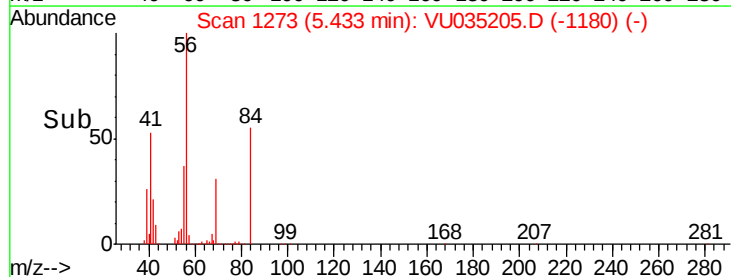
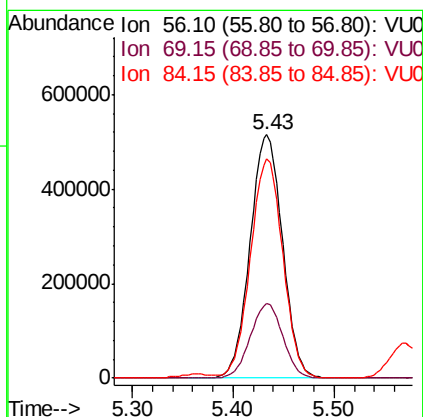
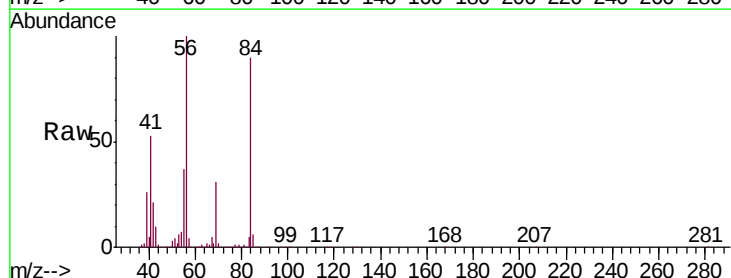
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

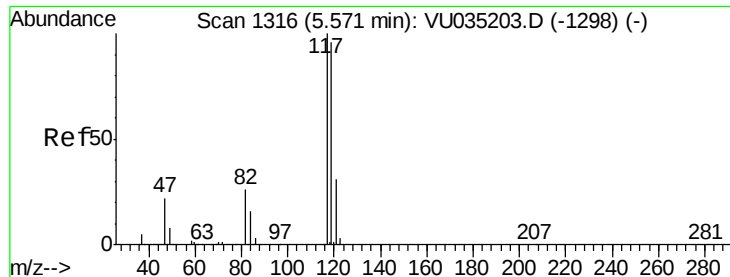
Tgt Ion: 97 Resp: 1076386
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.6 79.0
 61 45.5 37.0 55.4



#30
 Cyclohexane
 Concen: 21.946 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Tgt Ion: 56 Resp: 1145254
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.6 36.8
 84 90.0 71.5 107.3

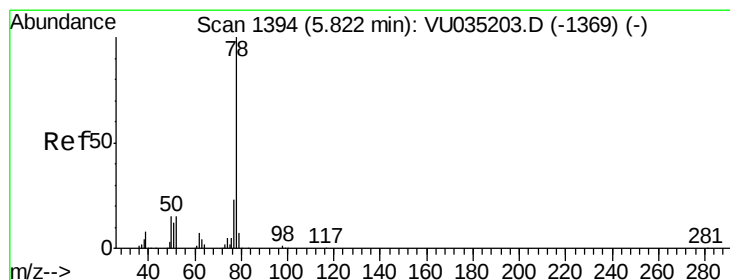
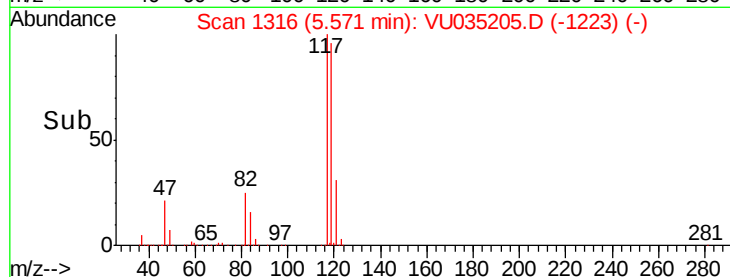
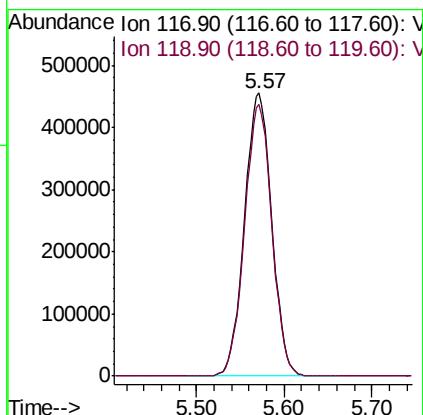
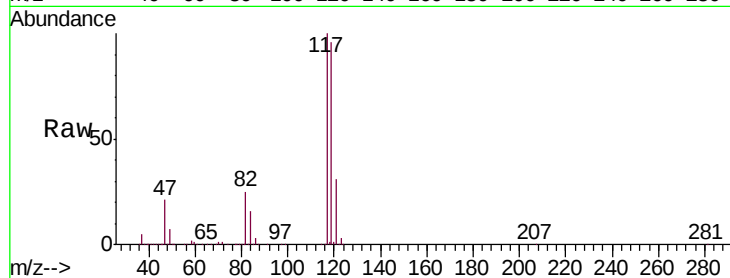




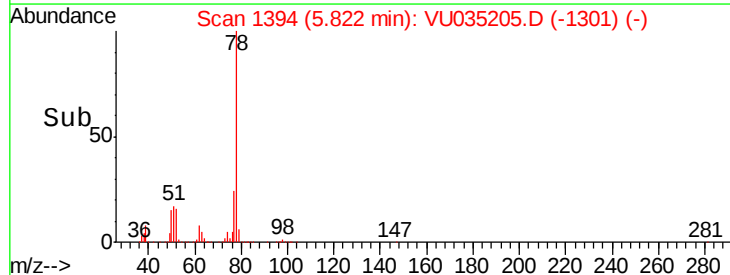
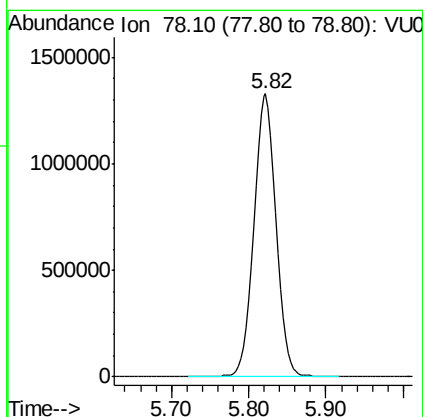
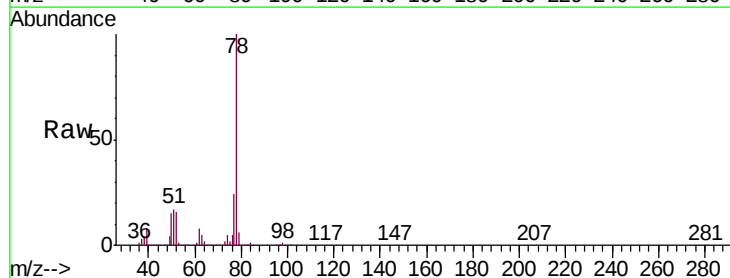
#31
Carbon tetrachloride
Concen: 23.671 ug/L
RT: 5.57 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

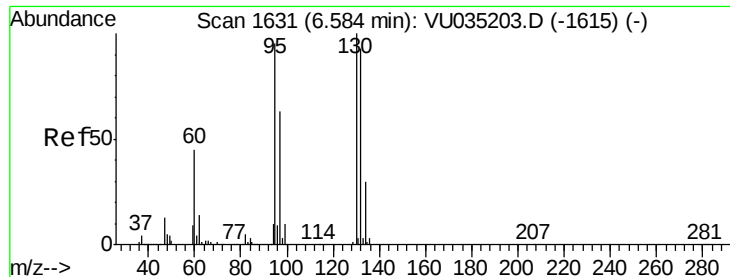
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion:117 Resp: 982249
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.0



#33
Benzene
Concen: 21.286 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11
Tgt Ion: 78 Resp: 2691582

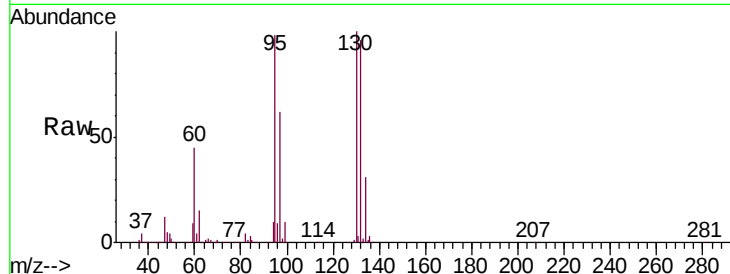




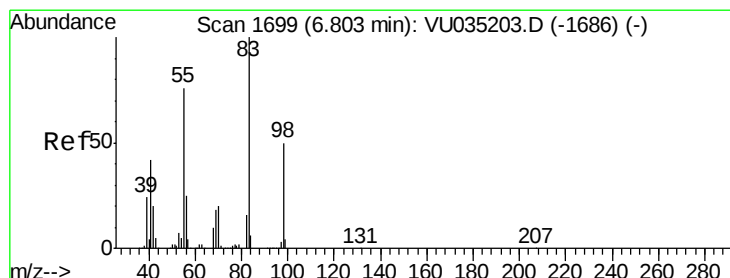
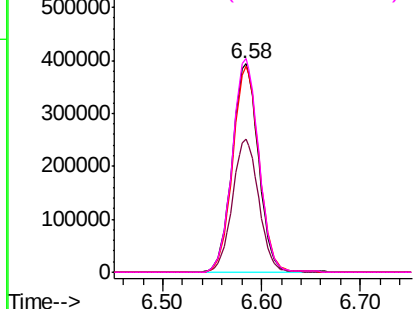
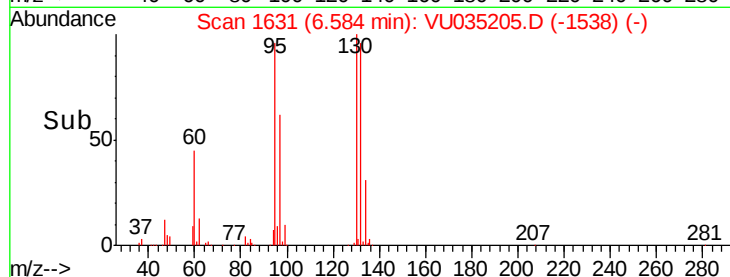
#34
 Trichloroethene
 Concen: 22.265 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tgt Ion: 95 Resp: 729152
 Ion Ratio Lower Upper
 95 100
 97 63.7 46.6 86.6
 132 98.6 68.7 127.7
 130 102.5 73.9 137.3

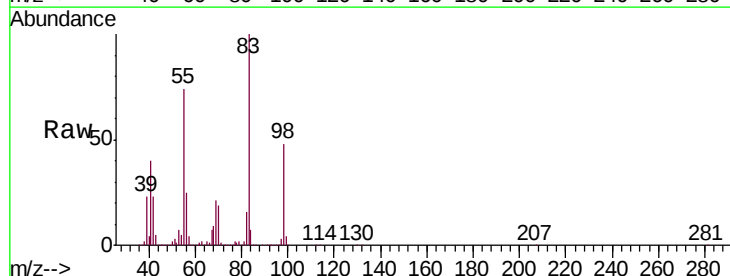


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

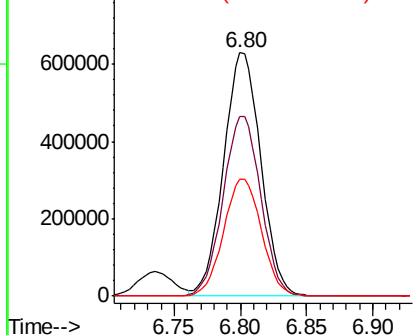
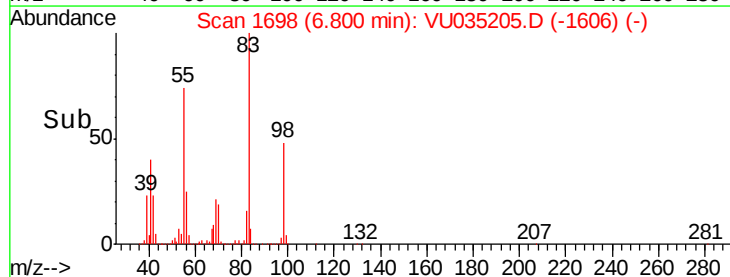


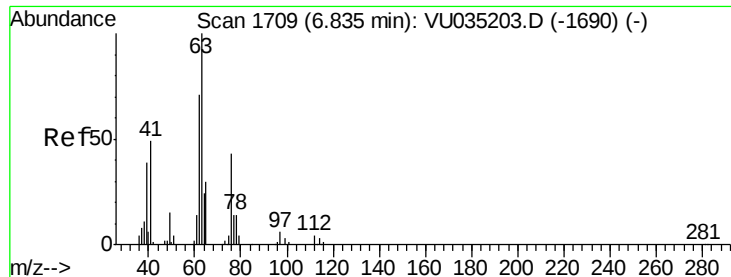
#35
 Methylcyclohexane
 Concen: 22.949 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Tgt Ion: 83 Resp: 1226619
 Ion Ratio Lower Upper
 83 100
 55 74.7 60.4 90.6
 98 48.8 39.5 59.3



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





#37

1,2-Dichloropropane

Concen: 20.402 ug/L

RT: 6.83 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

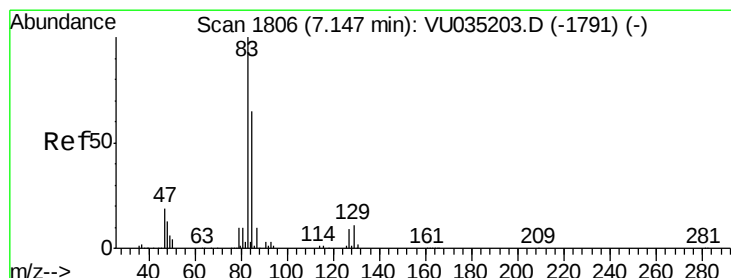
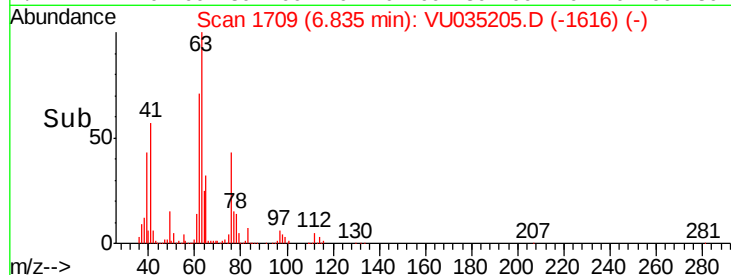
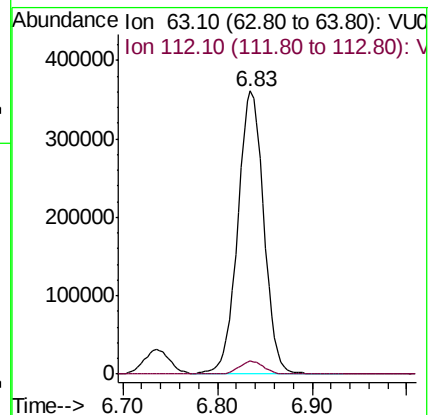
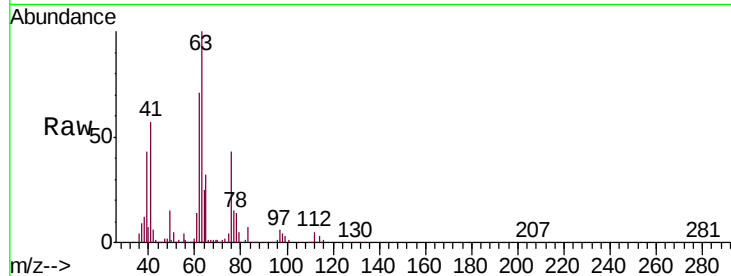
VSTD02004

Tgt Ion: 63 Resp: 687066

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 22.942 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

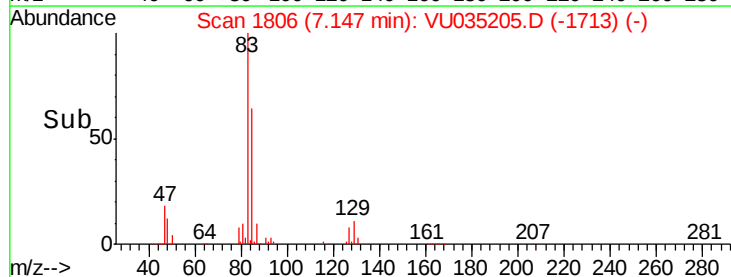
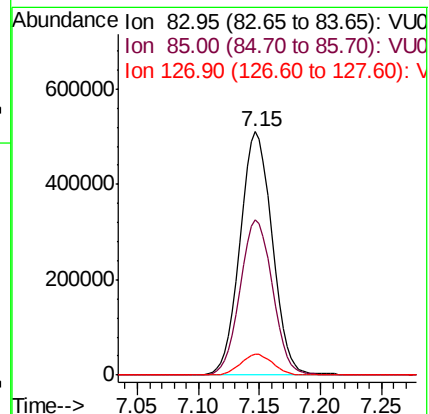
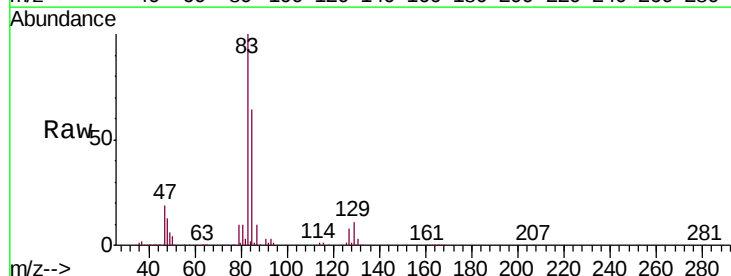
Tgt Ion: 83 Resp: 930841

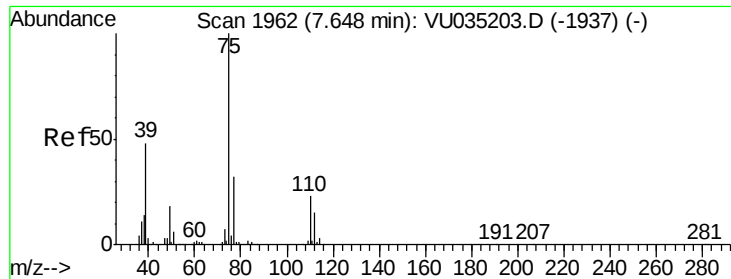
Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.8

127 8.4 6.9 10.3

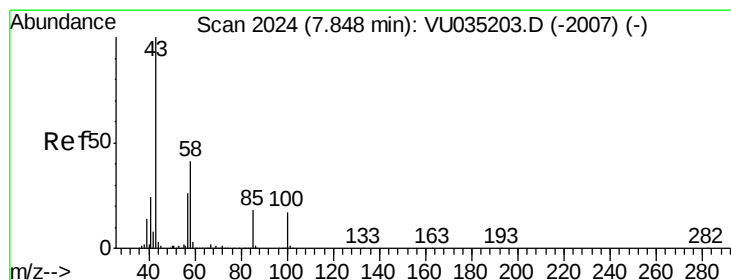
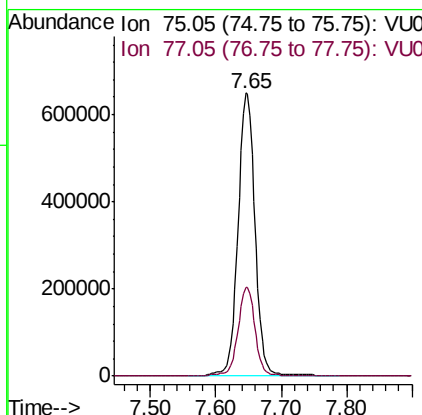
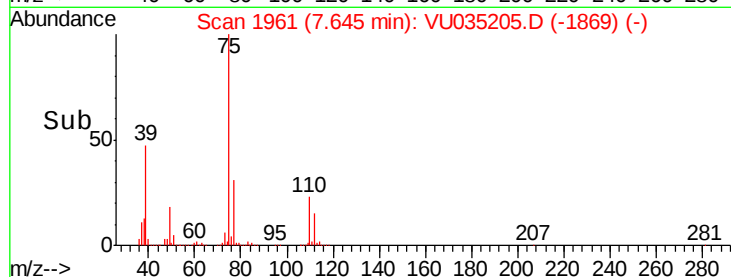
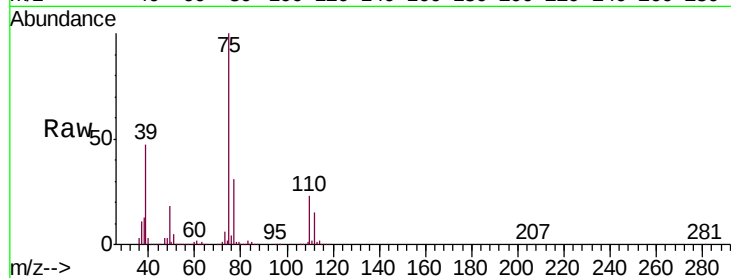




#39
 cis-1,3-Dichloropropene
 Concen: 24.710 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

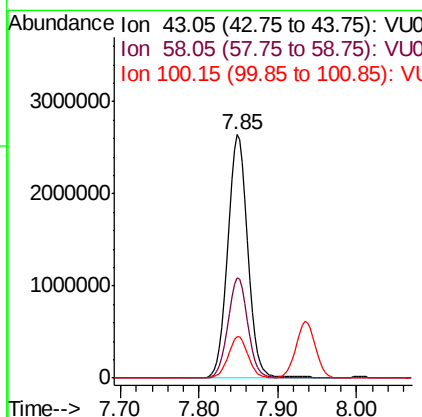
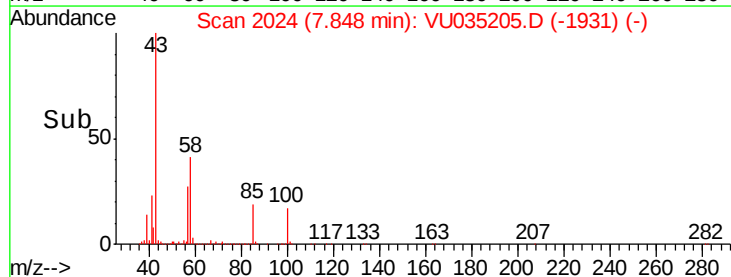
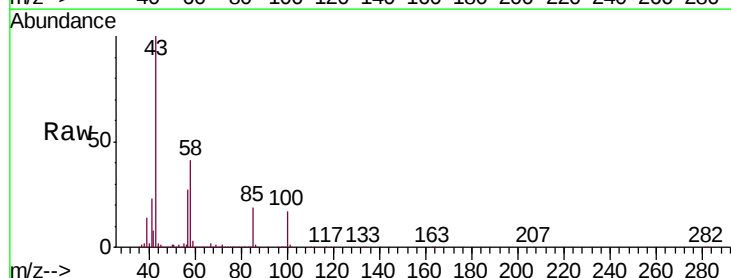
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

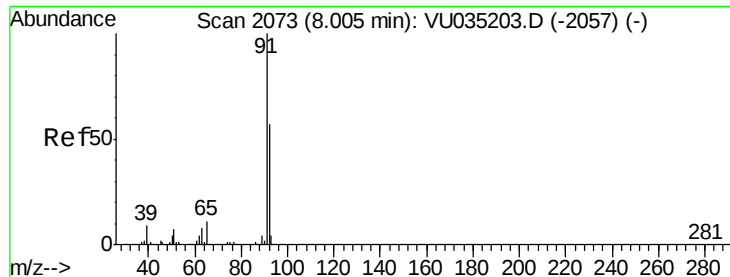
Tgt Ion: 75 Resp: 1176489
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 214.468 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Tgt Ion: 43 Resp: 4620812
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.3 48.5
 100 17.0 13.4 20.2





#42

Toluene

Concen: 22.436 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

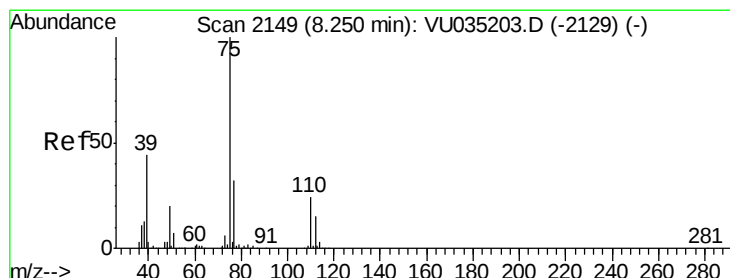
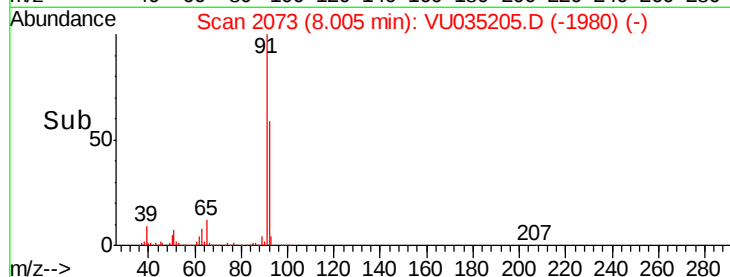
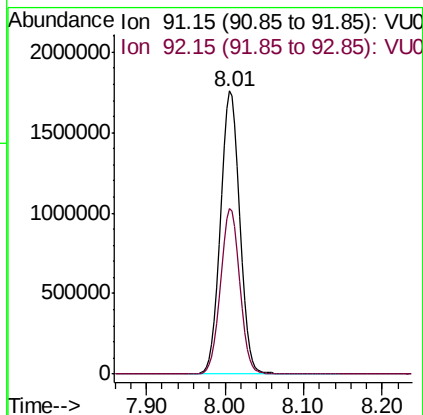
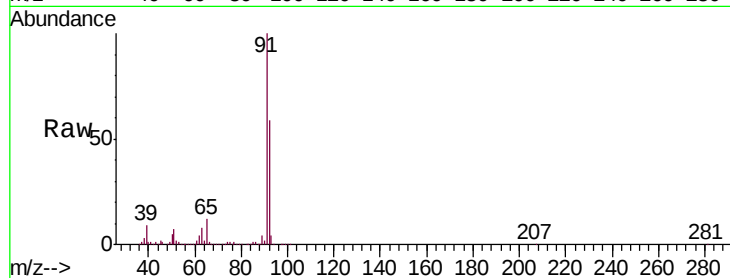
VSTD02004

Tgt Ion: 91 Resp: 2973253

Ion Ratio Lower Upper

91 100

92 58.6 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 25.710 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035205.D

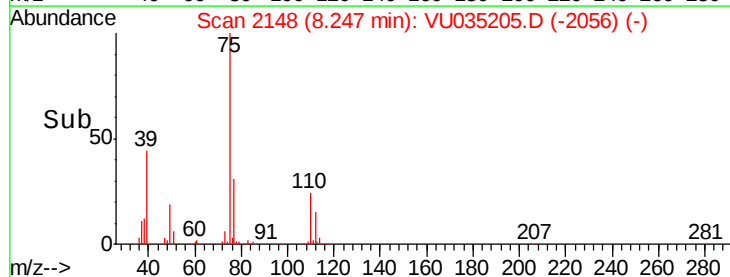
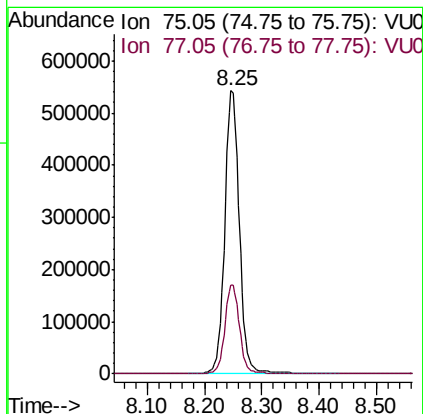
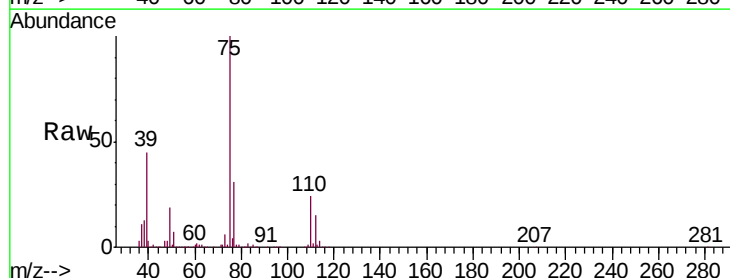
Acq: 17 Oct 2019 11:11

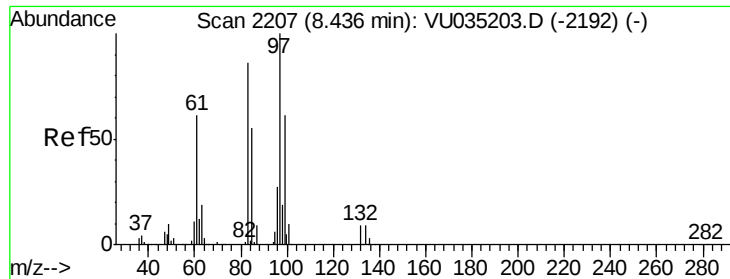
Tgt Ion: 75 Resp: 955937

Ion Ratio Lower Upper

75 100

77 31.4 23.0 42.8

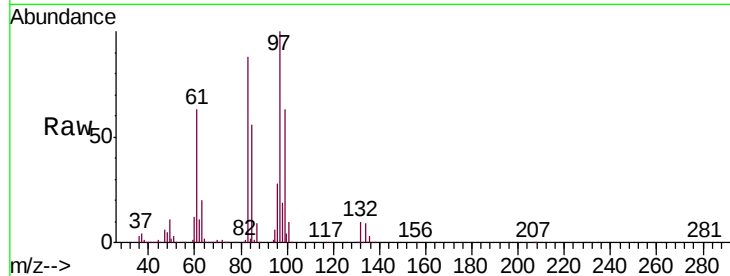




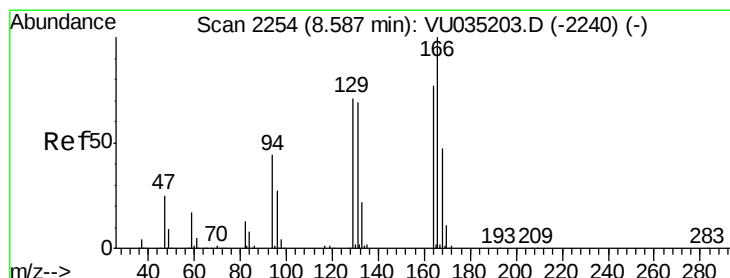
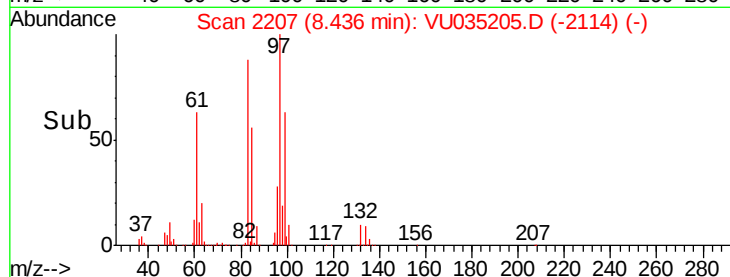
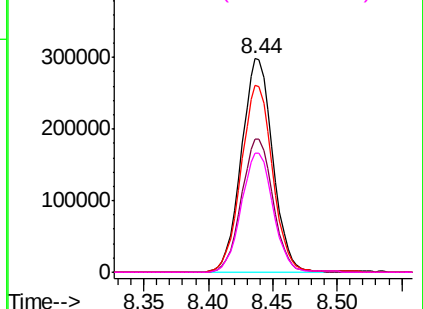
#45
 1,1,2-Trichloroethane
 Concen: 22.170 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tgt Ion:	97	Resp:	506913
Ion	Ratio	Lower	Upper
97	100		
99	62.6	42.9	79.7
83	87.6	60.4	112.2
85	55.7	38.4	71.2

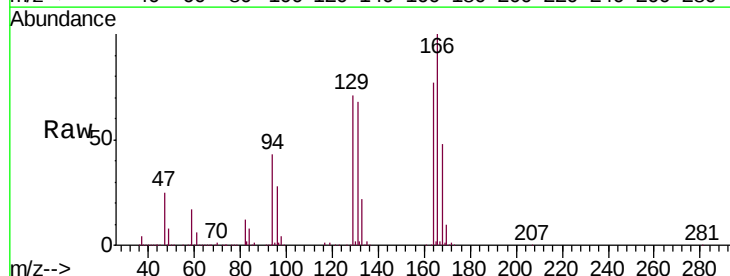


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

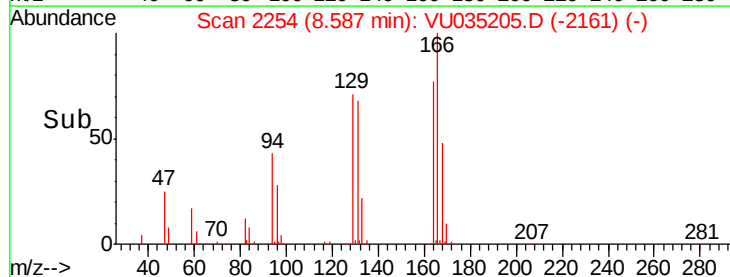
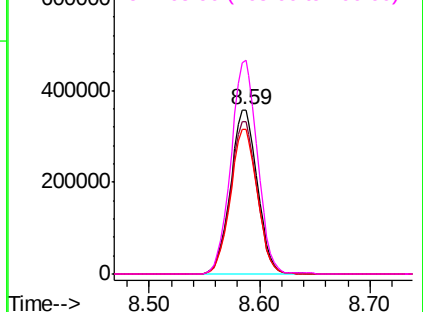


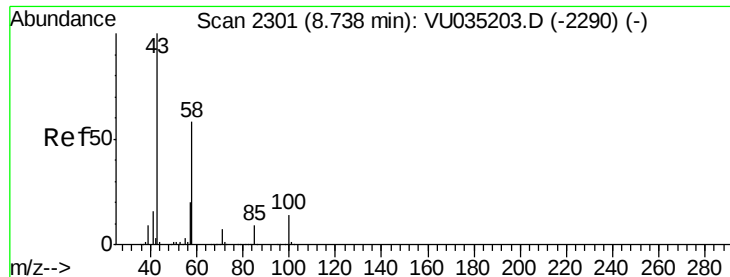
#47
 Tetrachloroethene
 Concen: 22.648 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Tgt Ion:	164	Resp:	604684
Ion	Ratio	Lower	Upper
164	100		
129	92.6	65.2	121.0
131	87.9	62.9	116.9
166	129.9	91.5	169.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

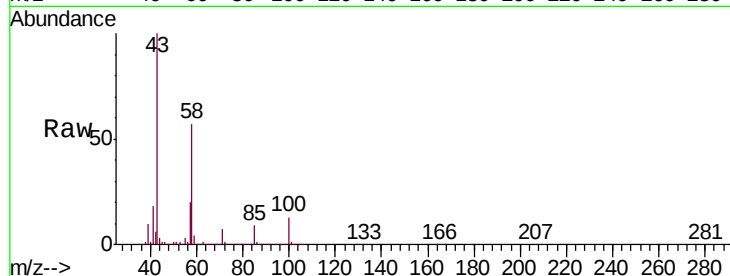




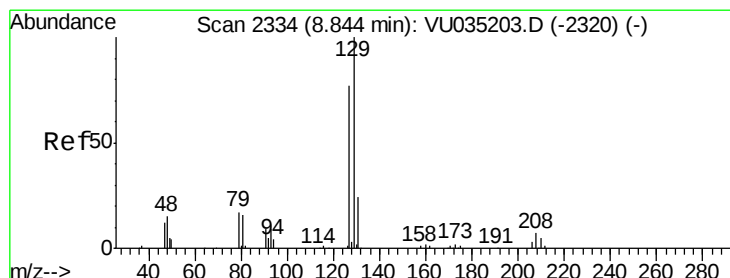
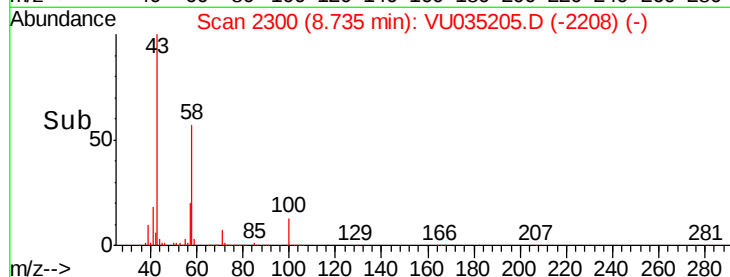
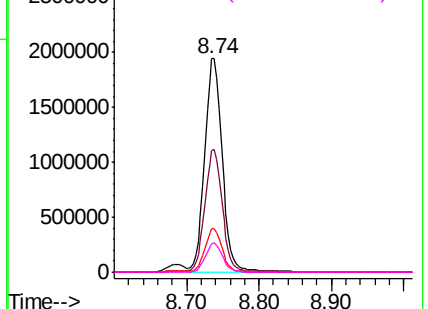
#48
2-Hexanone
Concen: 222.596 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion: 43 Resp: 3300927
Ion Ratio Lower Upper
43 100
58 57.2 45.1 67.7
57 20.2 16.0 24.0
100 13.5 10.4 15.6

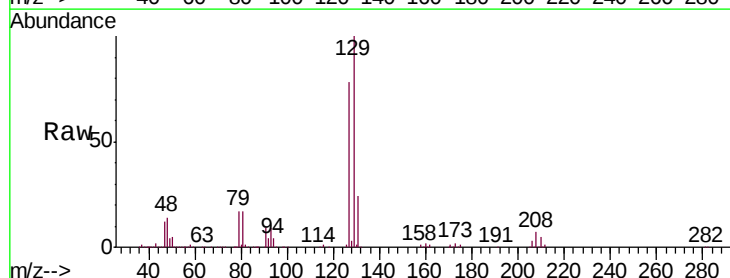


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

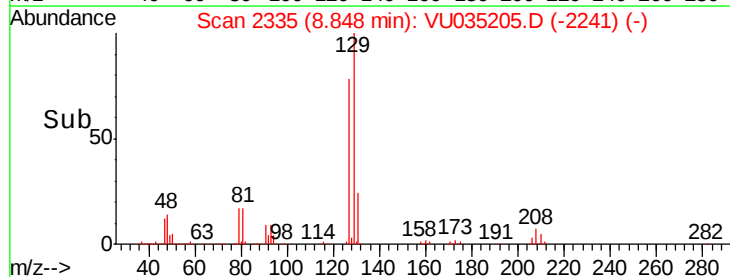
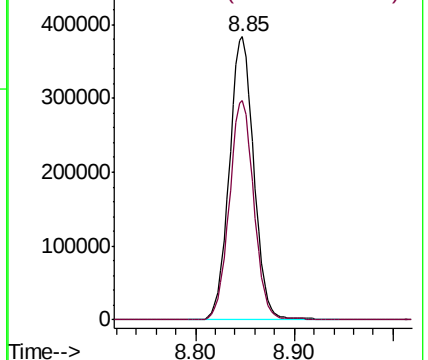


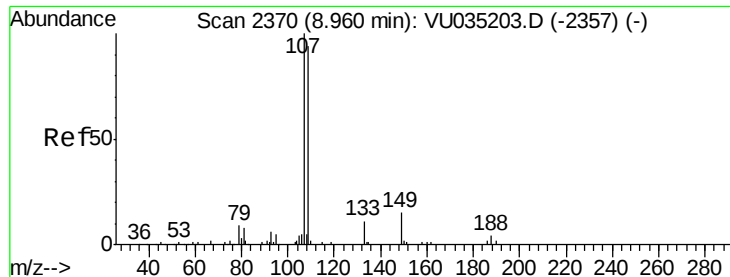
#49
Dibromochloromethane
Concen: 24.809 ug/L
RT: 8.85 min Scan# 2335
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

Tgt Ion: 129 Resp: 665888
Ion Ratio Lower Upper
129 100
127 77.6 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

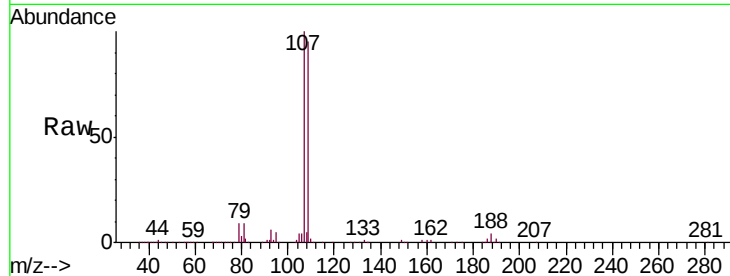




#50
1,2-Dibromoethane
Concen: 23.378 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

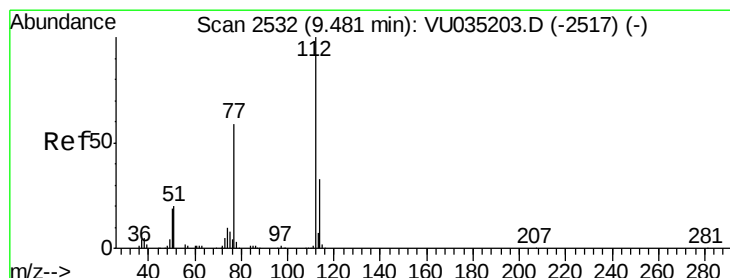
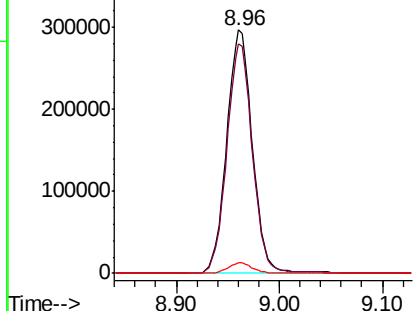
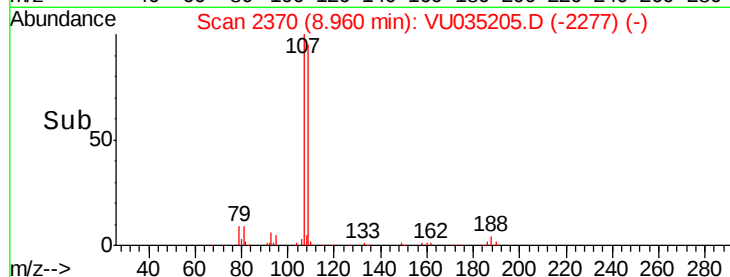
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.1	122.8
188	4.2	3.2	4.8



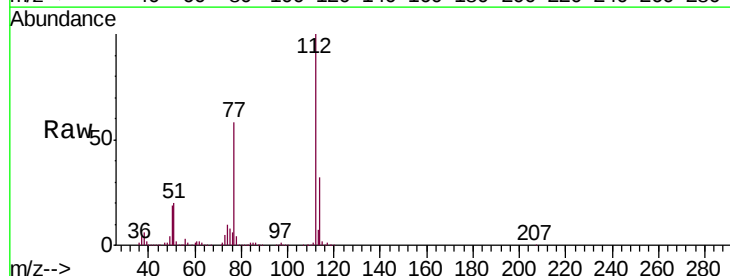
Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

8.96



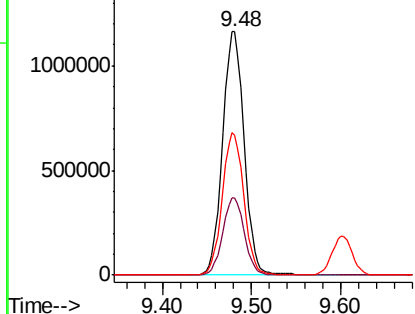
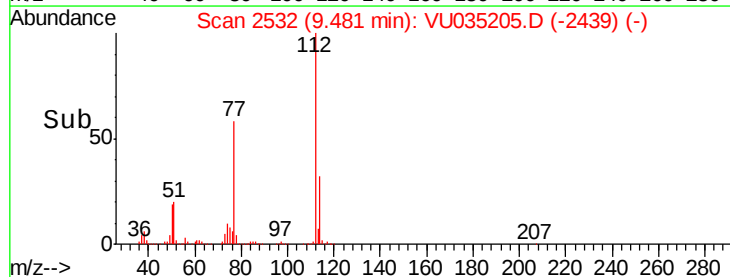
#51
Chlorobenzene
Concen: 22.544 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

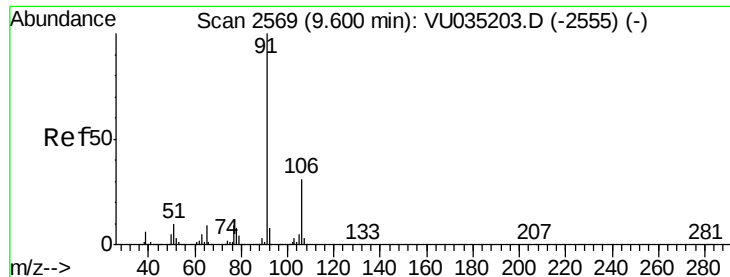
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	23.0	42.8
77	57.7	47.5	71.3



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

9.48

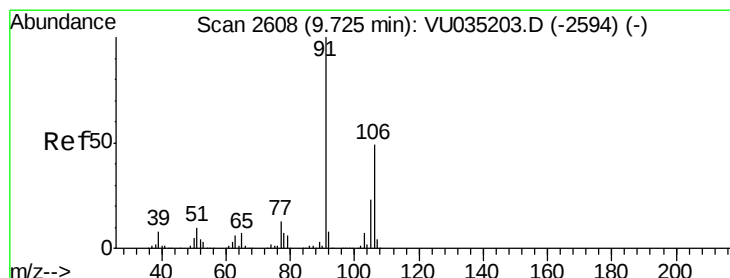
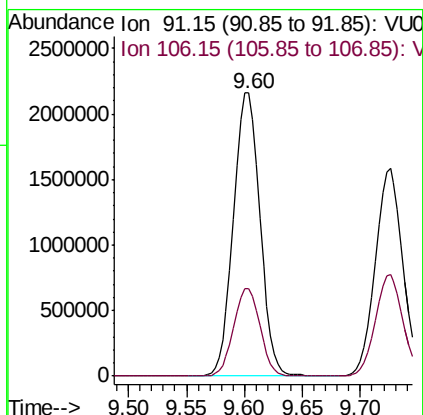
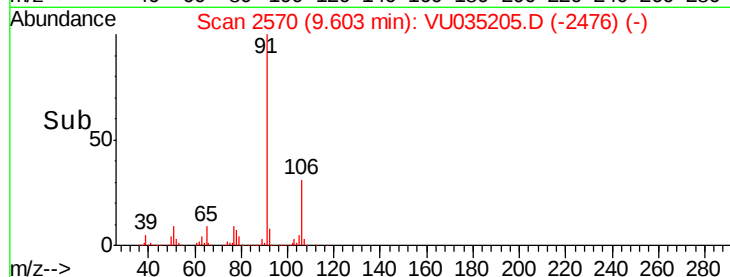
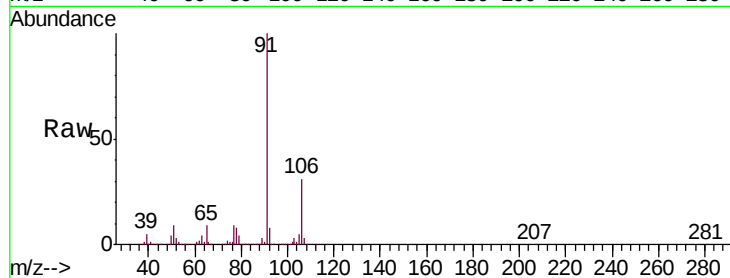




#52
Ethylbenzene
Concen: 23.247 ug/L
RT: 9.60 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

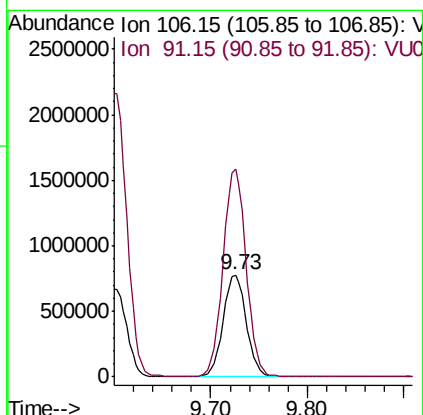
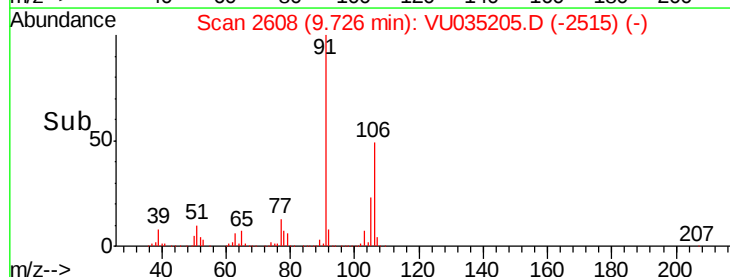
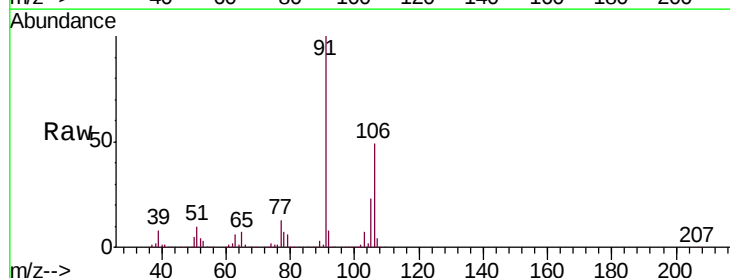
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

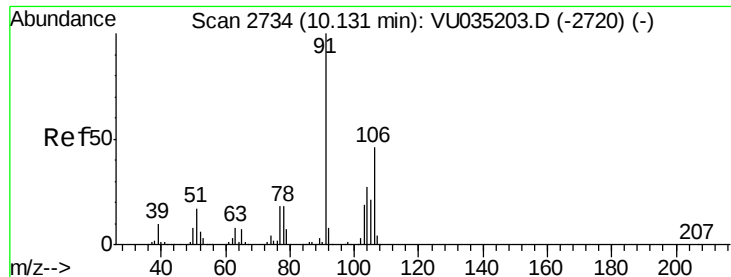
Tgt Ion: 91 Resp: 3432018
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.6



#53
m,p-Xylene
Concen: 23.730 ug/L
RT: 9.73 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

Tgt Ion: 106 Resp: 1298936
Ion Ratio Lower Upper
106 100
91 203.5 142.0 263.6

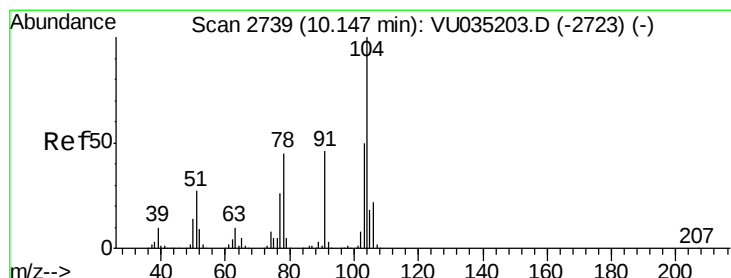
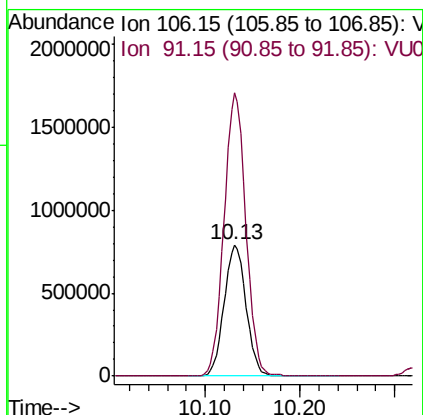
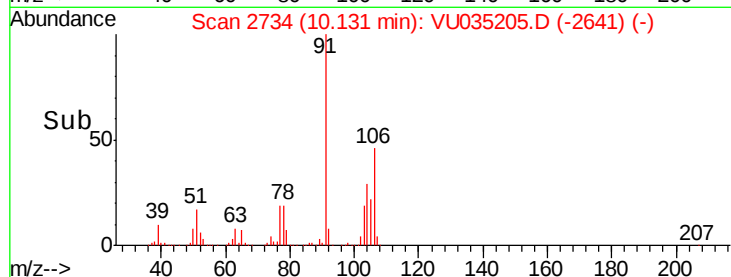
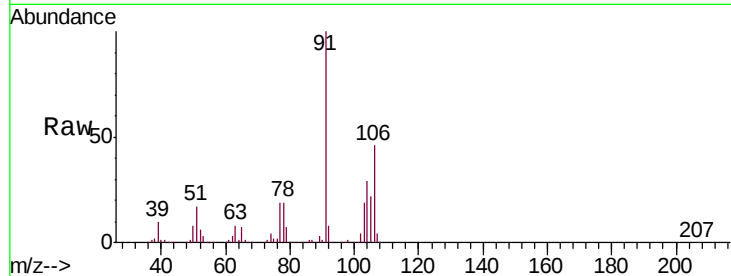




#54
o-Xylene
Concen: 23.792 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

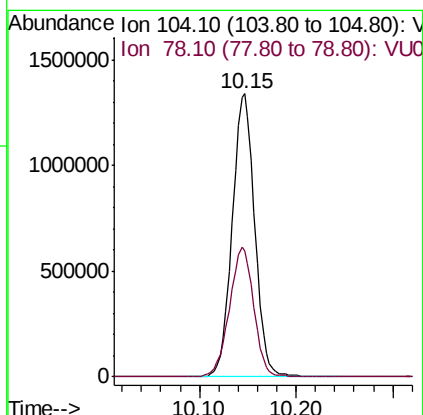
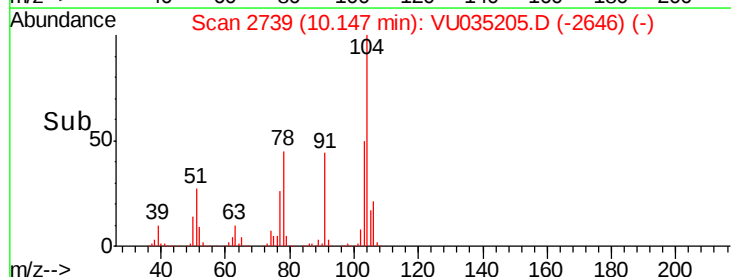
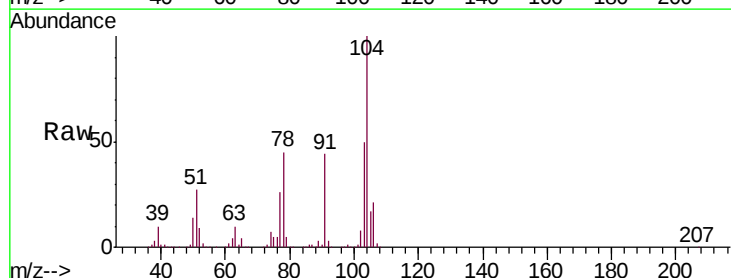
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

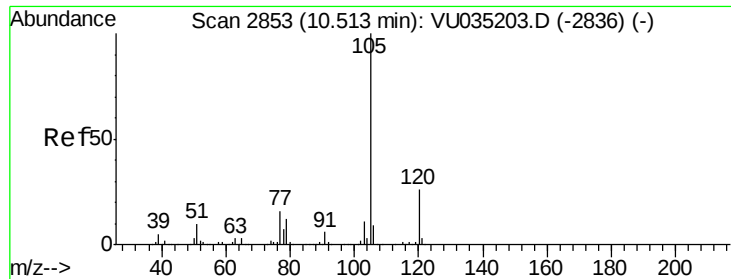
Tgt Ion:106 Resp: 1272908
Ion Ratio Lower Upper
106 100
91 216.0 153.2 284.6



#55
Styrene
Concen: 24.878 ug/L
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035205.D
Acq: 17 Oct 2019 11:11

Tgt Ion:104 Resp: 2158957
Ion Ratio Lower Upper
104 100
78 44.5 31.3 58.1





#56

Isopropylbenzene

Concen: 23.810 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

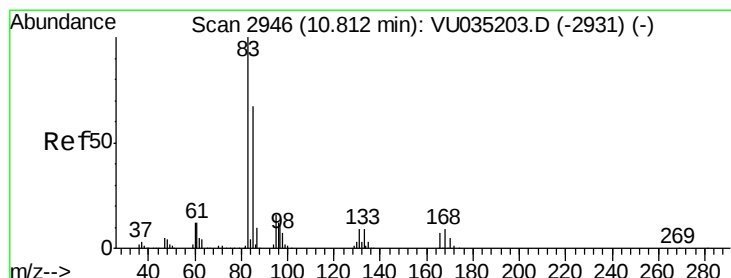
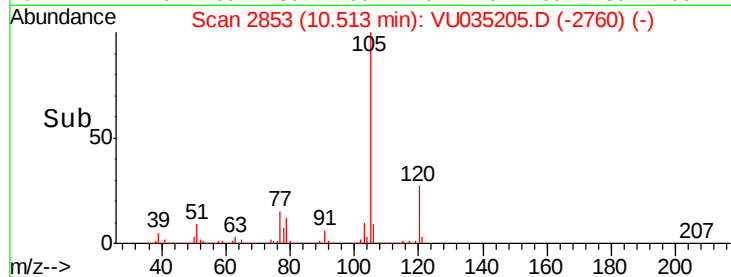
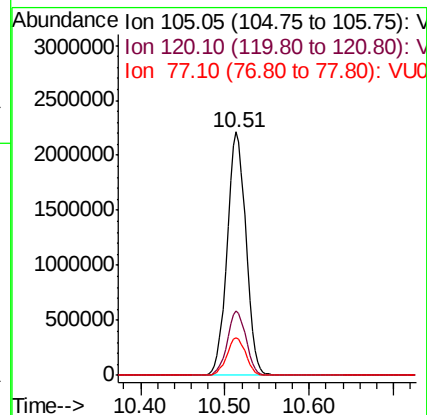
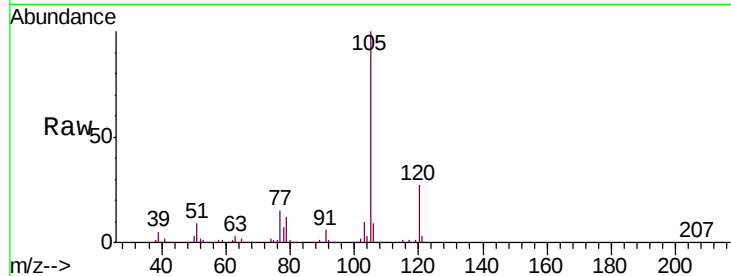
Tgt Ion:105 Resp: 3409411

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

77 15.5 12.6 19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 21.866 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

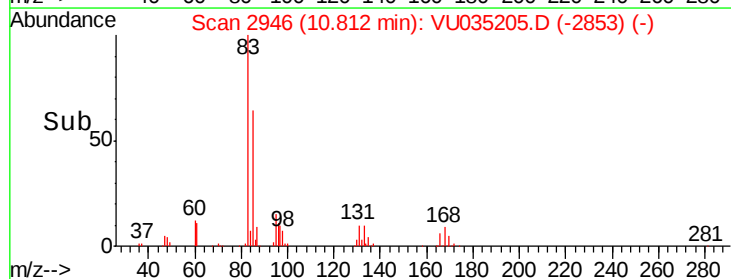
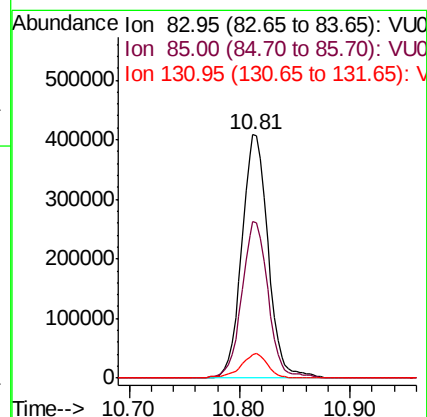
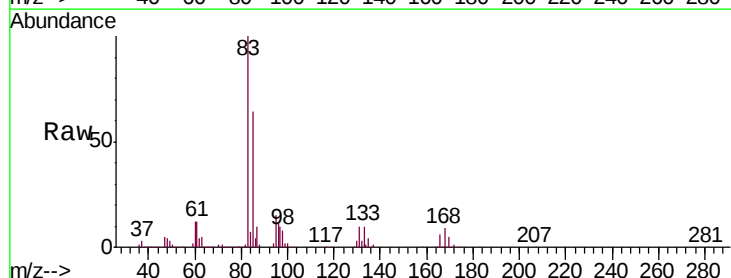
Tgt Ion: 83 Resp: 673193

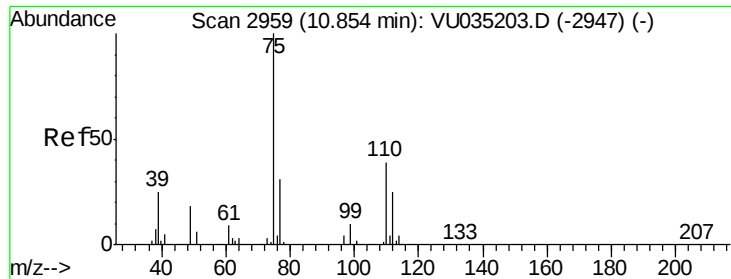
Ion Ratio Lower Upper

83 100

85 64.1 46.8 86.8

131 9.8 7.5 11.3





#59

1,2,3-Trichloropropane

Concen: 21.503 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

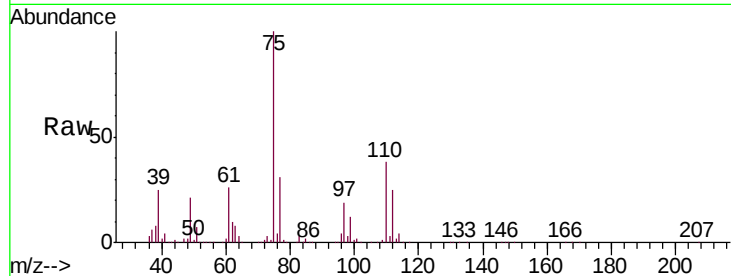
VSTD02004

Tgt Ion: 75 Resp: 477703

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU035203.D (-2947) (-)

Ion 77.00 (76.70 to 77.70): VU035203.D (-2947) (-)

10.85

300000

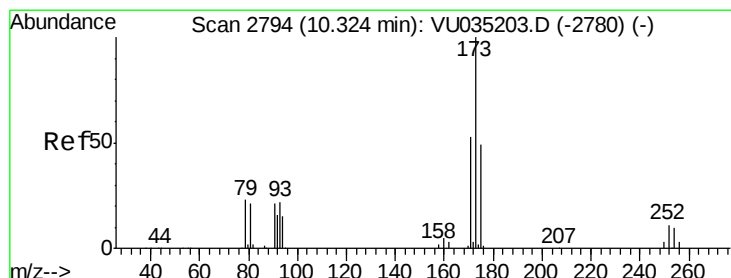
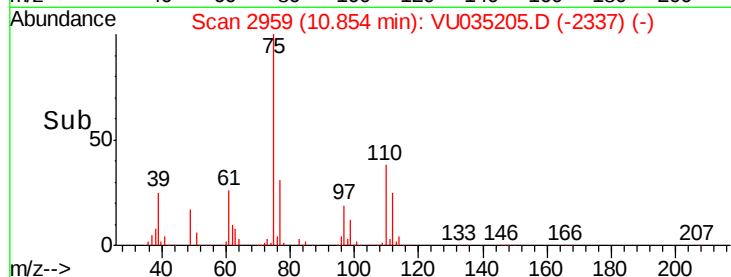
200000

100000

0

10.80 10.90

Time-->



#61

Bromoform

Concen: 26.133 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

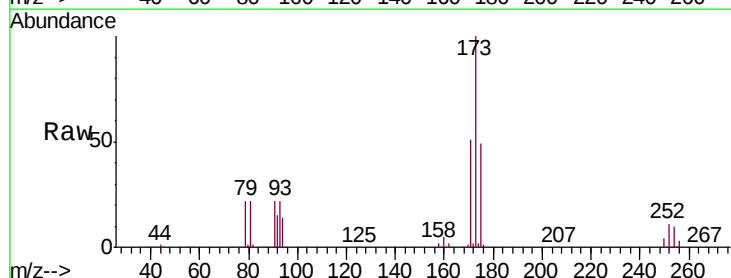
Tgt Ion: 173 Resp: 418408

Ion Ratio Lower Upper

173 100

175 49.1 38.8 58.2

254 9.8 7.5 11.3



Abundance Ion 172.90 (172.60 to 173.60): VU035203.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU035203.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035203.D (-2780) (-)

10.32

300000

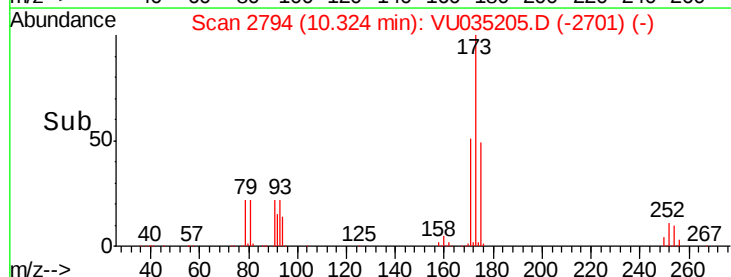
200000

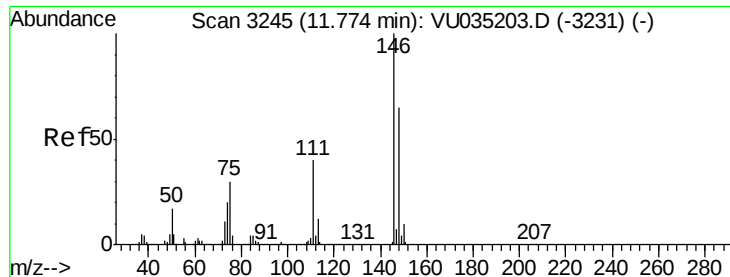
100000

0

10.30 10.40

Time-->

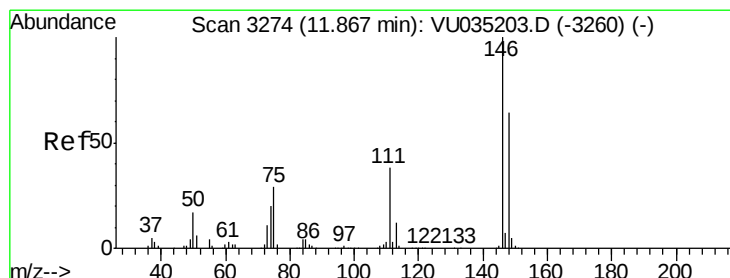
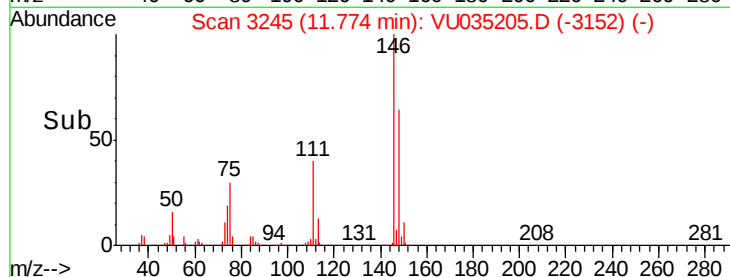
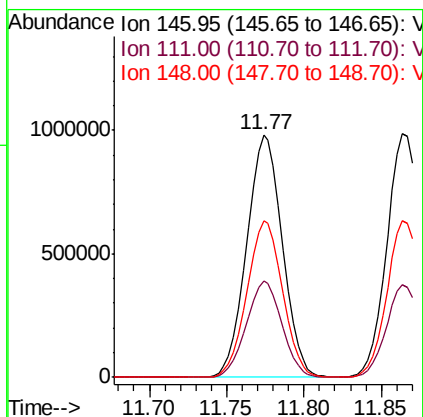
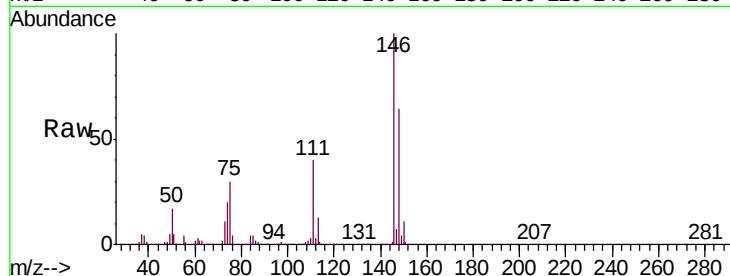




#62
 1,3-Dichlorobenzene
 Concen: 23.154 ug/L
 RT: 11.77 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

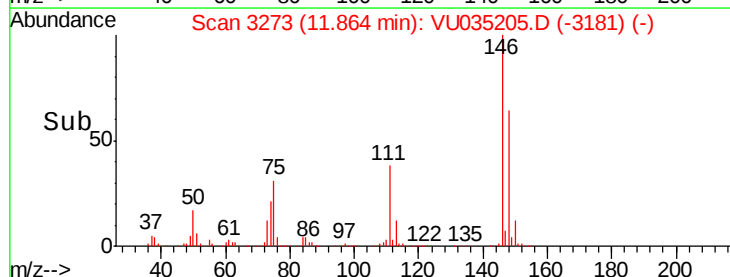
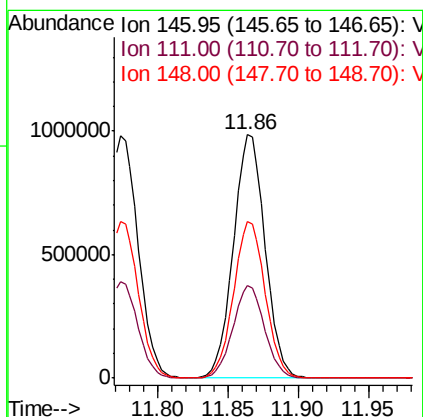
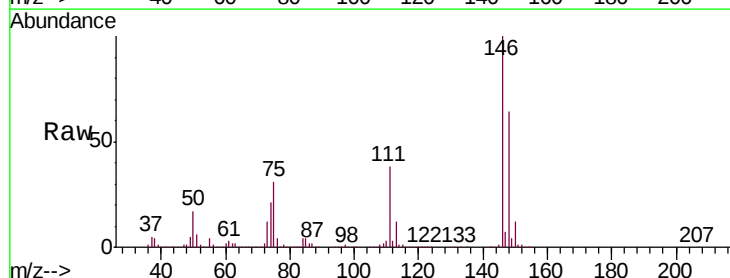
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

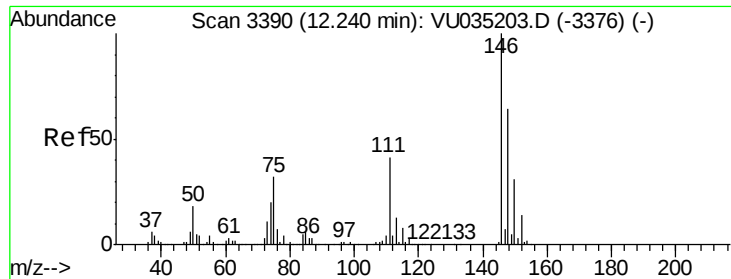
Tgt Ion:146 Resp: 1577029
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.8 51.6
 148 64.4 45.6 84.8



#63
 1,4-Dichlorobenzene
 Concen: 22.606 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Tgt Ion:146 Resp: 1550260
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.4 49.0
 148 64.2 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 22.542 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

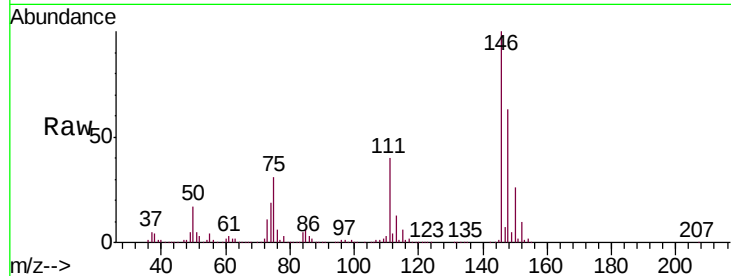
Tgt Ion:146 Resp: 1472787

Ion Ratio Lower Upper

146 100

111 40.5 33.0 49.6

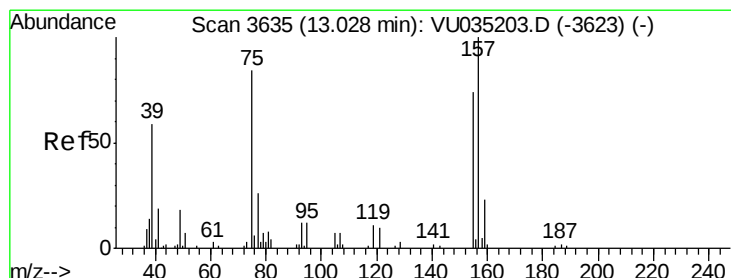
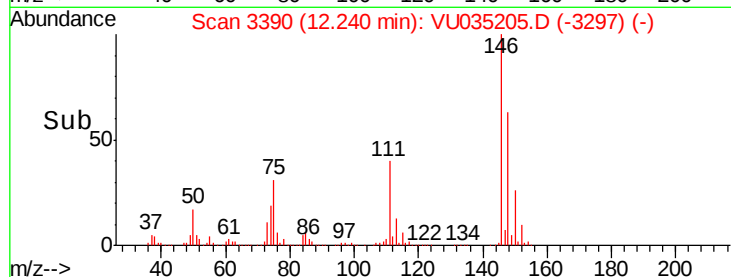
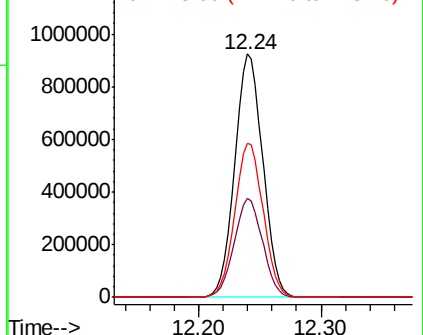
148 63.5 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.339 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

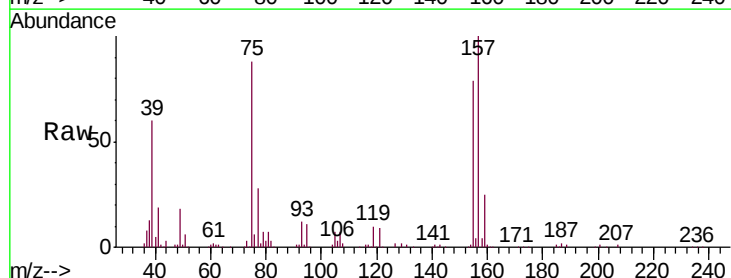
Tgt Ion: 75 Resp: 109908

Ion Ratio Lower Upper

75 100

155 89.0 70.0 105.0

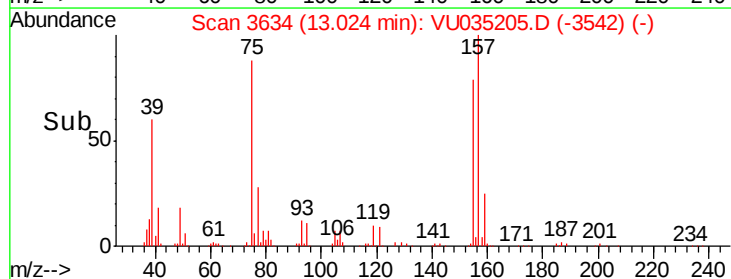
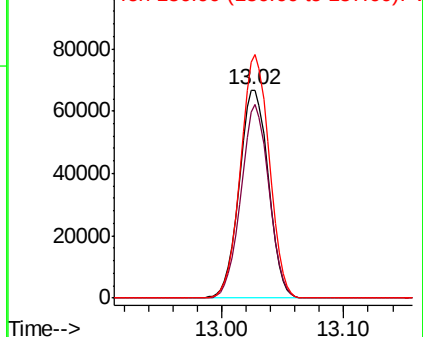
157 113.3 94.7 142.1

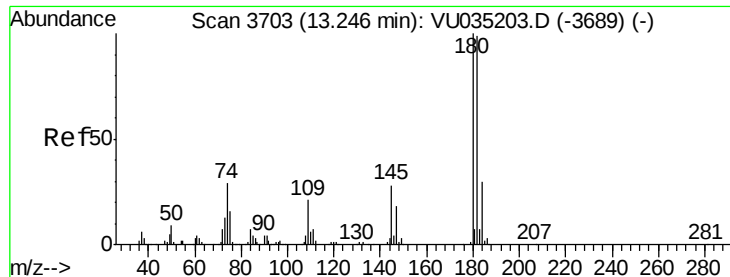


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

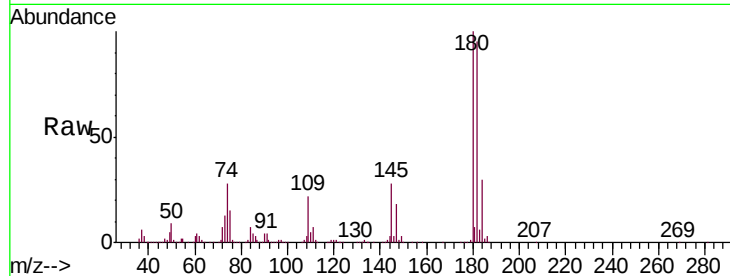




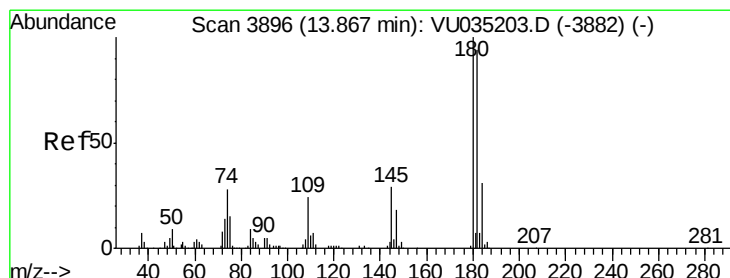
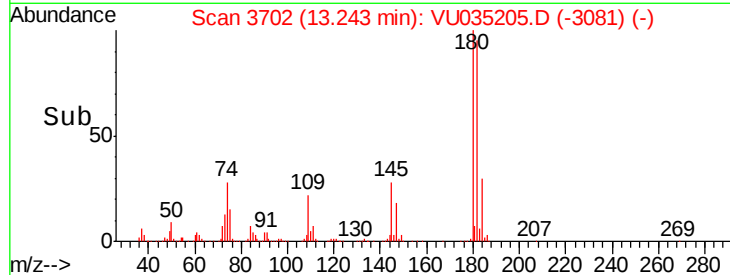
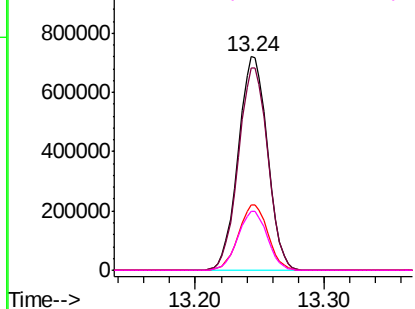
#67
 1,3,5-Trichlorobenzene
 Concen: 25.020 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tgt Ion:180 Resp: 1135296
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.4 116.2
 184 30.5 23.9 35.9
 145 27.6 22.4 33.6

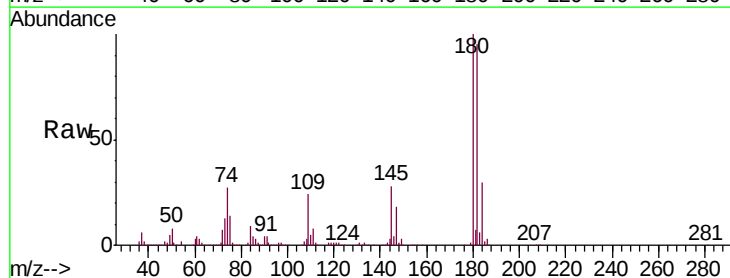


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

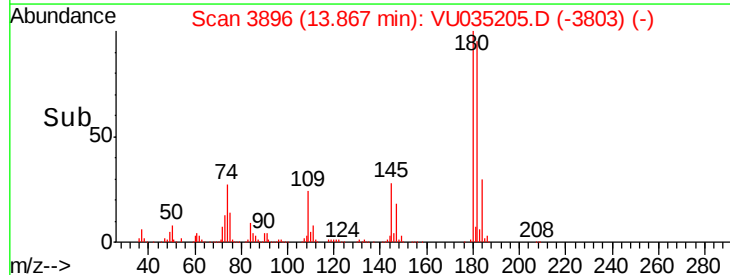
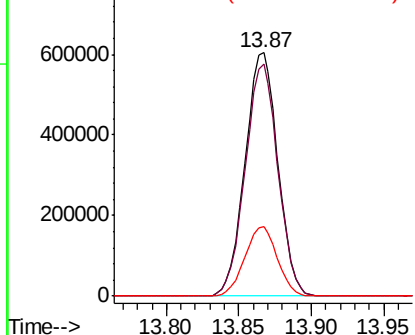


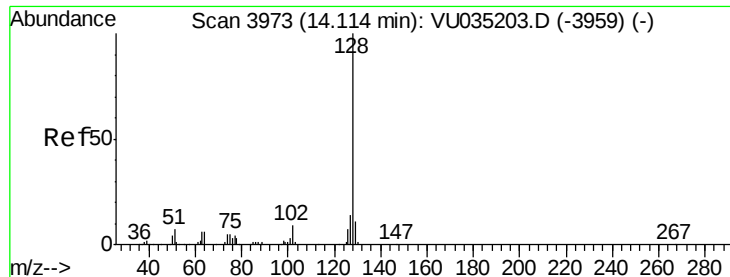
#68
 1,2,4-trichlorobenzene
 Concen: 28.975 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035205.D
 Acq: 17 Oct 2019 11:11

Tgt Ion:180 Resp: 952413
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.9 113.9
 145 28.3 23.4 35.2



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





#69

Naphthalene

Concen: 28.455 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

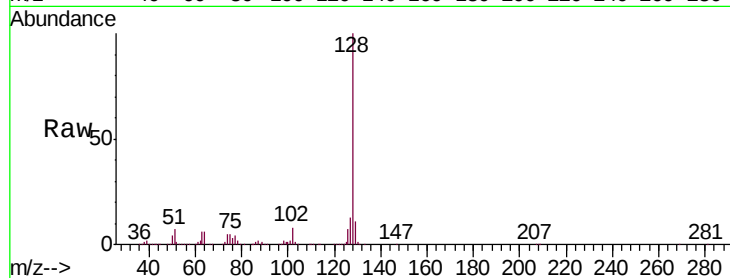
Tgt Ion:128 Resp: 1399412

Ion Ratio Lower Upper

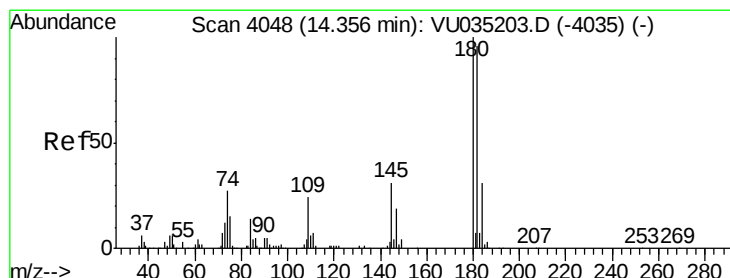
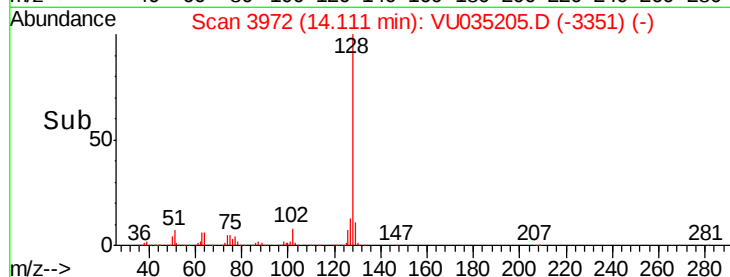
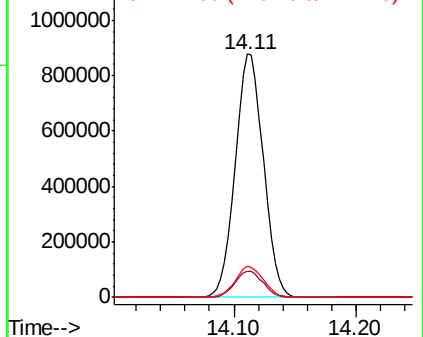
128 100

129 10.8 8.6 13.0

127 12.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V
1200000
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.166 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035205.D

Acq: 17 Oct 2019 11:11

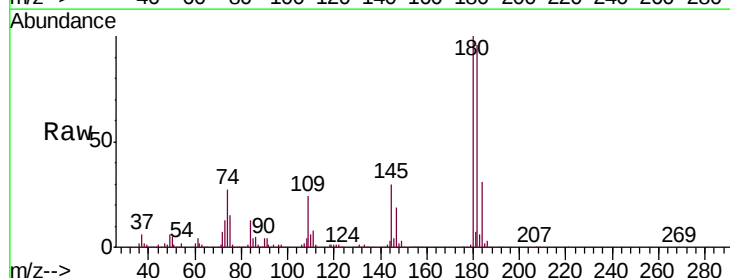
Tgt Ion:180 Resp: 832378

Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

145 30.3 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V
600000
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

