

Data File : VU035483.D
Acq On : 25 Oct 2019 12:33
Operator : JC/SP
Sample : VSTD02005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Quant Time: Oct 25 23:21:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 23:17:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	230992	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	252848	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	153980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	614533	35.39	ug/L	0.00
7) Chloroethane-d5	1.93	69	478605	31.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	972879	31.69	ug/L	0.00
20) 2-Butanone-d5	4.70	46	1302135	291.83	ug/L	0.00
24) Chloroform-d	5.11	84	890506	30.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	461375	28.55	ug/L	0.00
32) Benzene-d6	5.77	84	1819054	28.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	579793	28.40	ug/L	0.00
41) Toluene-d8	7.93	98	1676282	27.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	245350	26.10	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	1098682	271.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	480813	26.98	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	617361	21.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	584759	26.809 ug/L	99
3) Chloromethane	1.53	50	683207	29.663 ug/L	99
5) Vinyl chloride	1.62	62	696974	30.002 ug/L	99
6) Bromomethane	1.87	94	340905	25.909 ug/L	99
8) Chloroethane	1.95	64	391951	26.848 ug/L	100
9) Trichlorofluoromethane	2.16	101	776482	26.269 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	430990	25.475 ug/L	98
12) 1,1-Dichloroethene	2.61	96	410668	25.307 ug/L	96
13) Acetone	2.67	43	846575	267.062 ug/L	100
14) Carbon disulfide	2.82	76	1446790	27.326 ug/L	100
15) Methyl Acetate	3.00	43	212225	27.246 ug/L	97
16) Methylene chloride	3.08	84	485565	24.479 ug/L	99
17) Methyl tert-butyl Ether	3.43	73	1092154	25.847 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	458700	26.228 ug/L	96
19) 1,1-Dichloroethane	3.92	63	889510	27.393 ug/L	99
21) 2-Butanone	4.78	43	1387771	274.572 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	511447	26.653 ug/L	99
23) Bromochloromethane	5.02	128	219241	26.332 ug/L	98
25) Chloroform	5.14	83	872713	24.670 ug/L	99
27) 1,2-Dichloroethane	5.84	62	549555	25.655 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	719208	22.998 ug/L	99
30) Cyclohexane	5.43	56	837366	25.273 ug/L	98
31) Carbon tetrachloride	5.57	117	645998	22.902 ug/L	99
33) Benzene	5.82	78	1965604	24.639 ug/L	100
34) Trichloroethene	6.58	95	484522	23.113 ug/L	99
35) Methylcyclohexane	6.80	83	844450	24.573 ug/L	96
37) 1,2-Dichloropropane	6.83	63	514892	25.263 ug/L	99
38) Bromodichloromethane	7.15	83	627258	23.308 ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	789962	24.164 ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	3364474	248.984 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	2078983	23.850	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	632597	23.737	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	349179	23.512	ug/L	99
47) Tetrachloroethene	8.58	164	389952	22.414	ug/L	99
48) 2-Hexanone	8.73	43	2447104	257.434	ug/L	98
49) Dibromochloromethane	8.84	129	427507	23.119	ug/L	97
50) 1,2-Dibromoethane	8.96	107	338126	23.045	ug/L #	100
51) Chlorobenzene	9.48	112	1310450	23.602	ug/L	99
52) Ethylbenzene	9.60	91	2338867	24.151	ug/L	100
53) m,p-Xylene	9.72	106	883820	24.175	ug/L	99
54) o-Xylene	10.13	106	855842	24.028	ug/L	99
55) Styrene	10.14	104	1457755	25.019	ug/L	99
56) Isopropylbenzene	10.51	105	2274665	23.956	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	472330	24.472	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	336689	24.305	ug/L	97
61) Bromoform	10.32	173	252172	17.812	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	1034726	19.588	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	1027036	19.796	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	978778	19.756	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	72154	20.593	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	780218	23.663	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	574912	27.008	ug/L	97
69) Naphthalene	14.11	128	854952	29.132	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	526472	26.017	ug/L	100

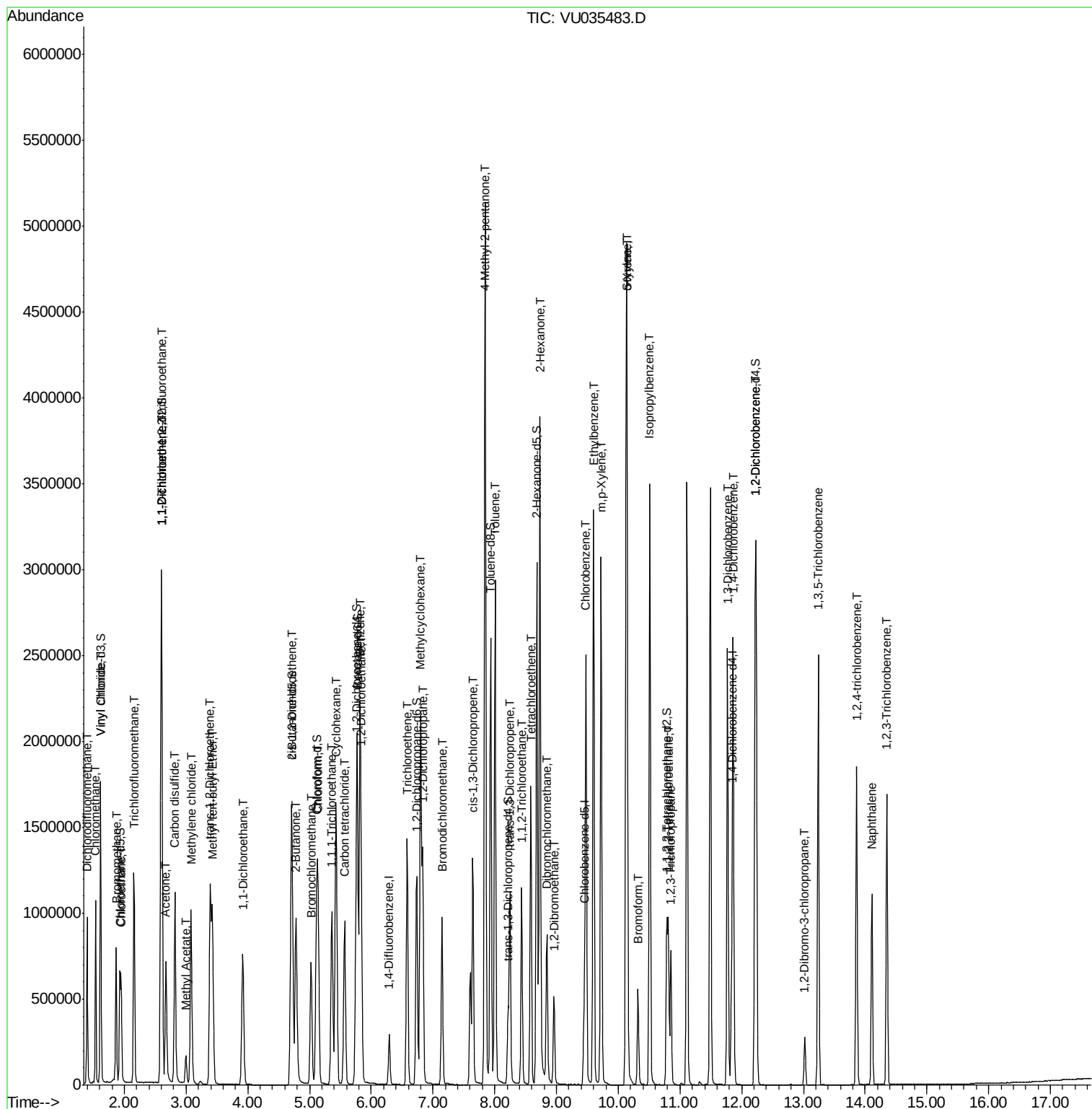
(#) = qualifier out of range (m) = manual integration (+) = signals summed

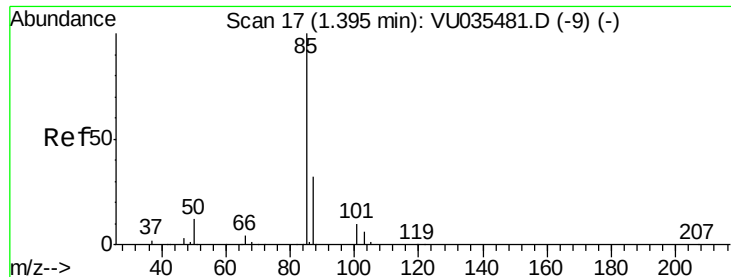
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#2

Dichlorodifluoromethane

Concen: 26.809 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

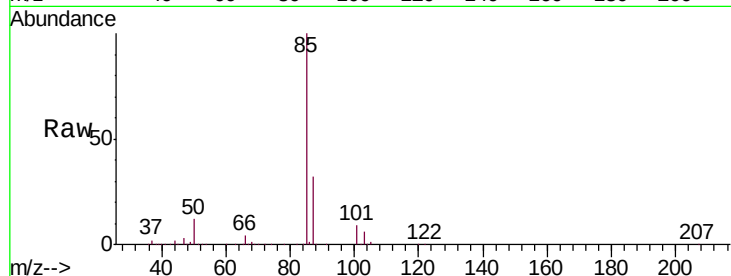
VSTD02005

Tgt Ion: 85 Resp: 584759

Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035483.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035483.D (-9) (-)

1.39

600000

500000

400000

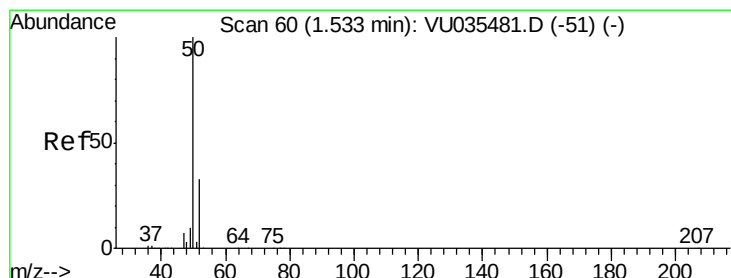
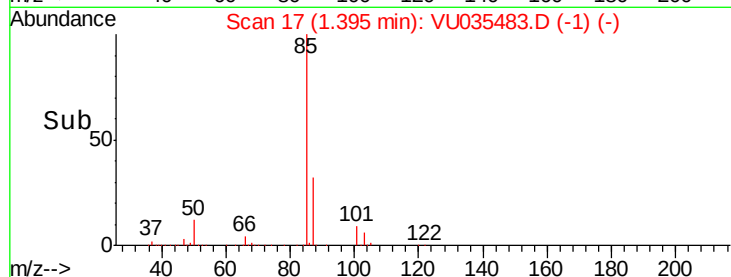
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 29.663 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035483.D

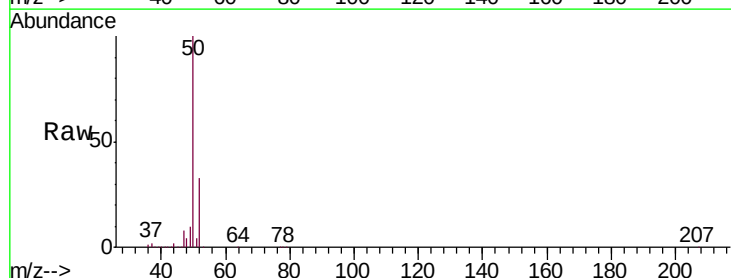
Acq: 25 Oct 2019 12:33

Tgt Ion: 50 Resp: 683207

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035483.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035483.D (-51) (-)

1.53

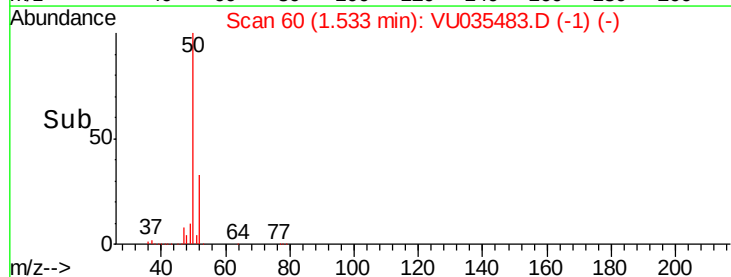
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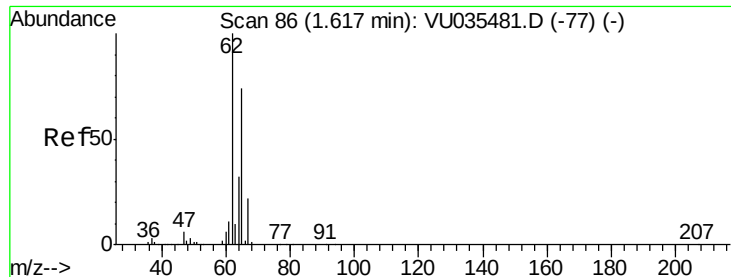
400000

200000

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Time-->





#5

Vinyl chloride

Concen: 30.002 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

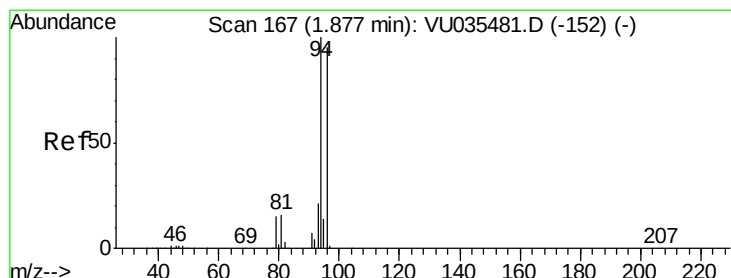
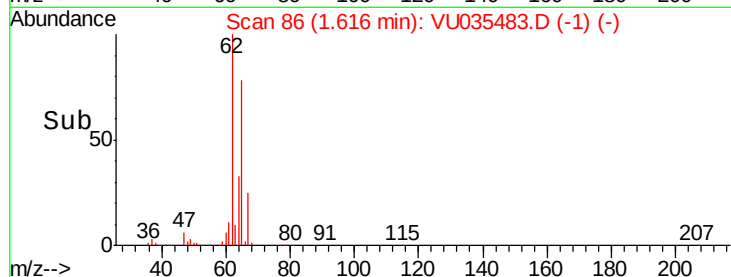
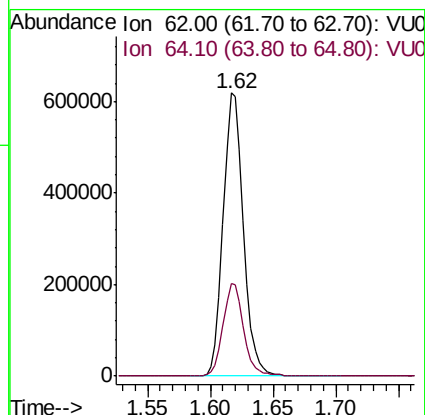
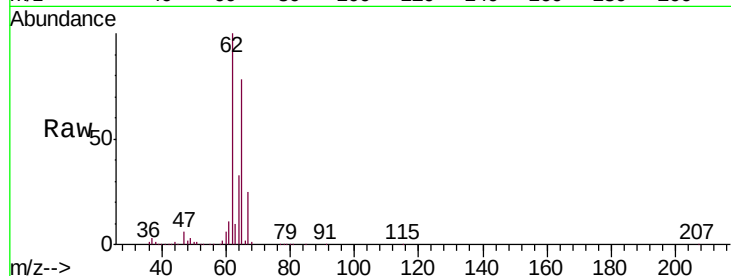
VSTD02005

Tgt Ion: 62 Resp: 696974

Ion Ratio Lower Upper

62 100

64 32.7 22.5 41.9



#6

Bromomethane

Concen: 25.909 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU035483.D

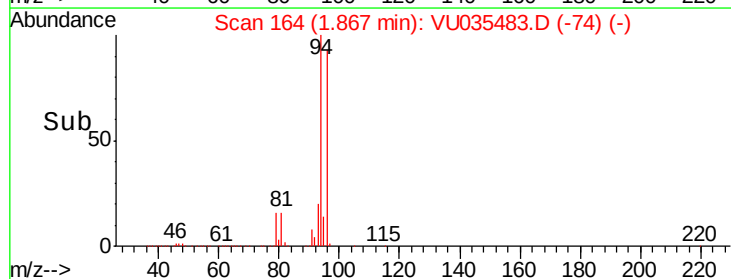
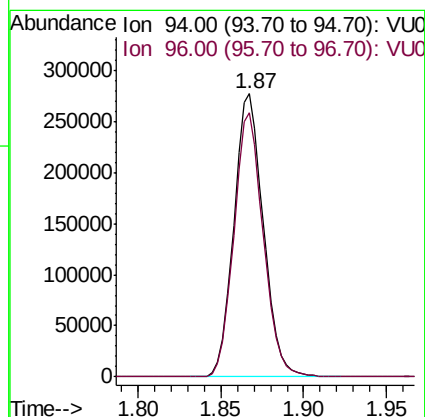
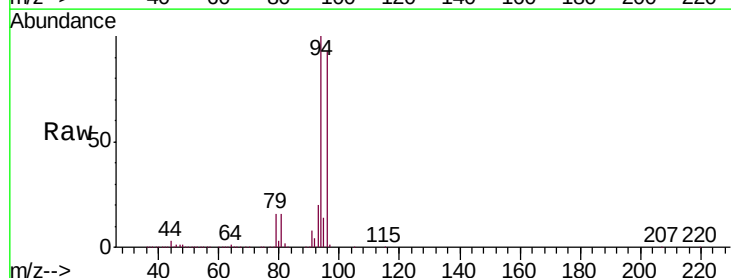
Acq: 25 Oct 2019 12:33

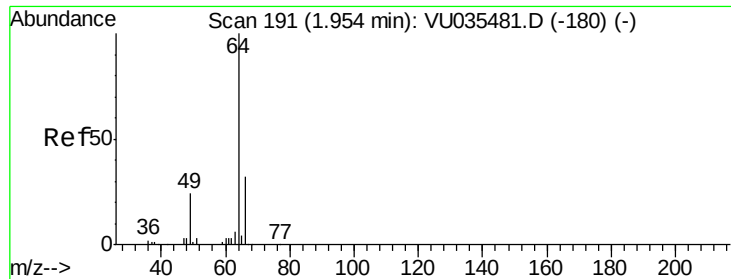
Tgt Ion: 94 Resp: 340905

Ion Ratio Lower Upper

94 100

96 93.4 66.3 123.1

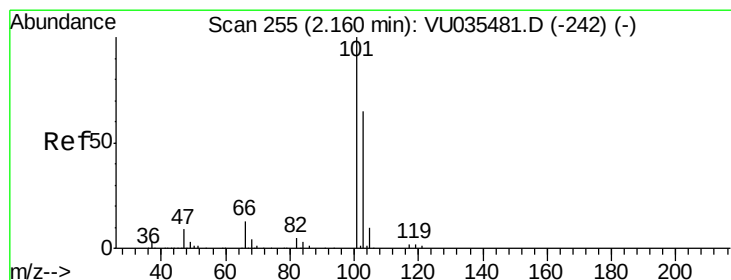
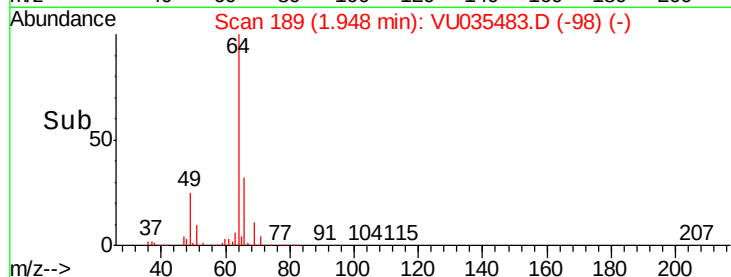
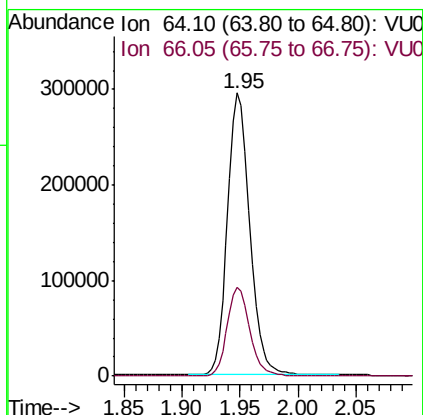
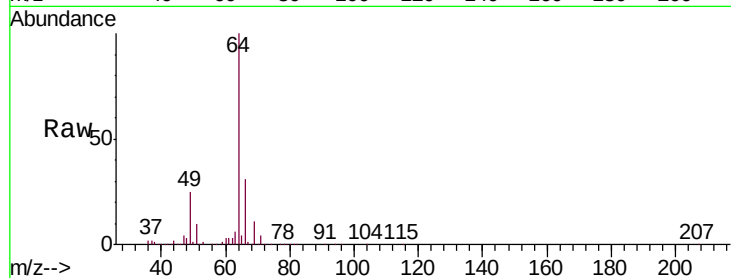




#8
Chloroethane
Concen: 26.848 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.01 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

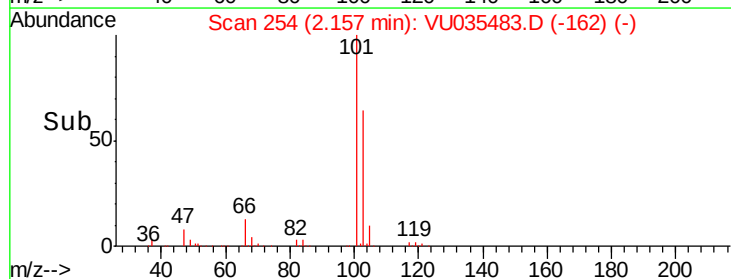
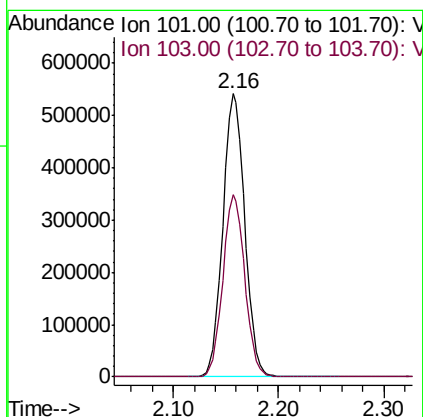
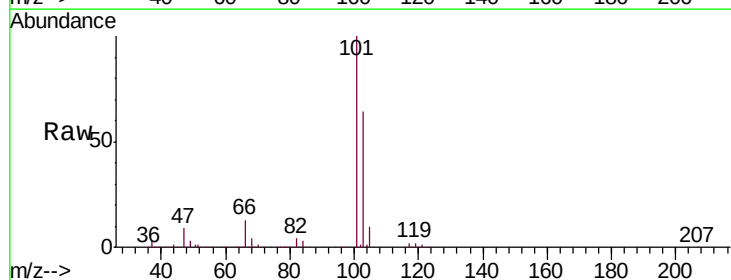
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

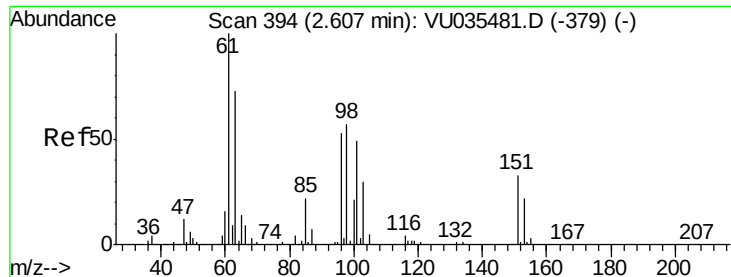
Tgt Ion: 64 Resp: 391951
Ion Ratio Lower Upper
64 100
66 31.4 21.8 40.6



#9
Trichlorofluoromethane
Concen: 26.269 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

Tgt Ion: 101 Resp: 776482
Ion Ratio Lower Upper
101 100
103 64.4 51.2 76.8





#10

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

Concen: 25.475 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

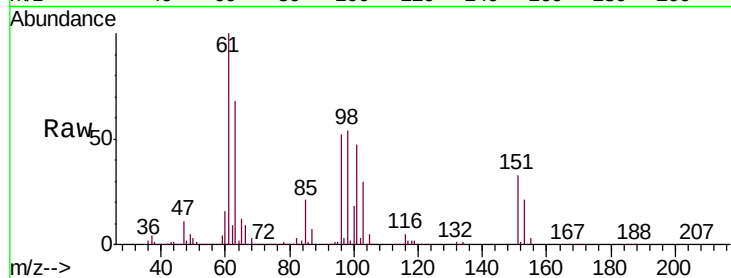
Tgt Ion:101 Resp: 430990

Ion Ratio Lower Upper

101 100

85 44.4 34.7 52.1

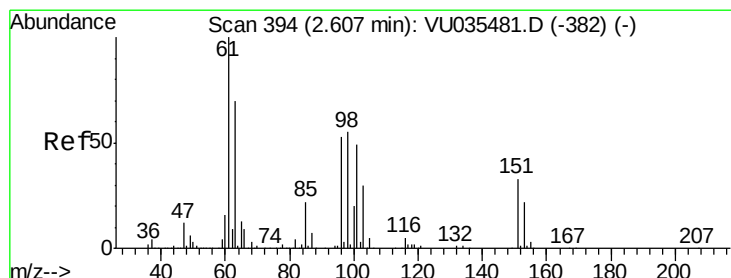
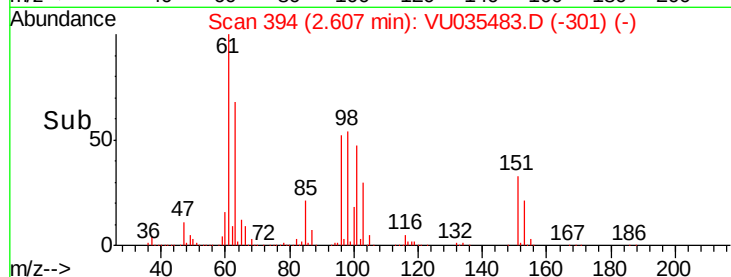
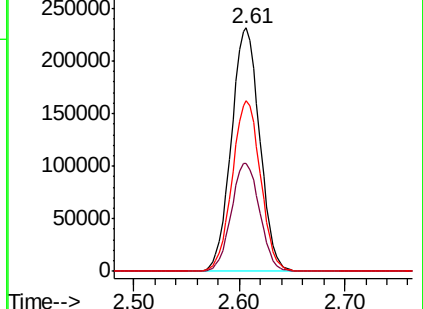
151 69.9 54.8 82.2



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: 25.307 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

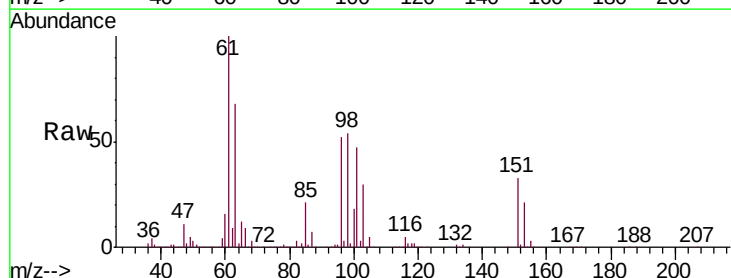
Tgt Ion: 96 Resp: 410668

Ion Ratio Lower Upper

96 100

61 191.4 131.9 244.9

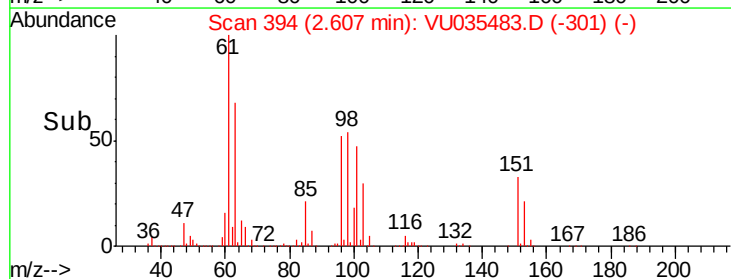
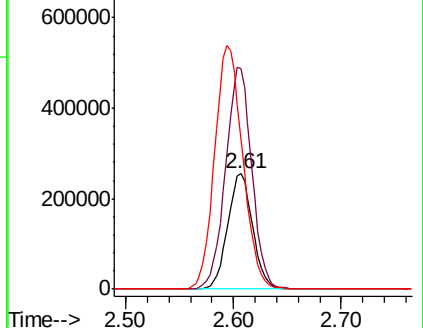
63 129.6 97.0 180.2

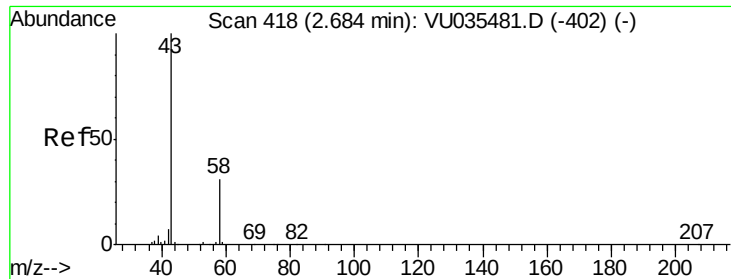


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 267.062 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

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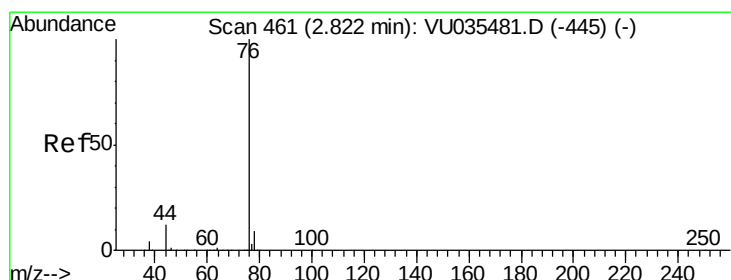
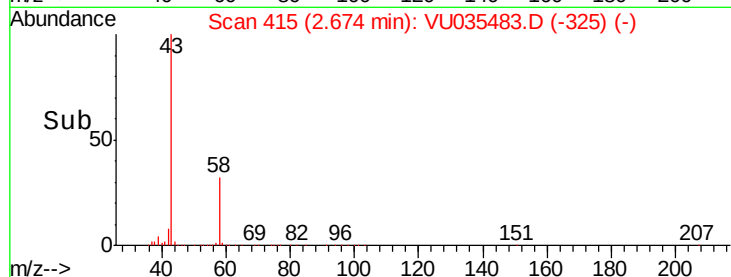
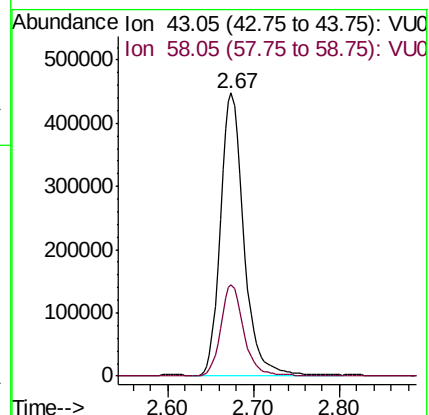
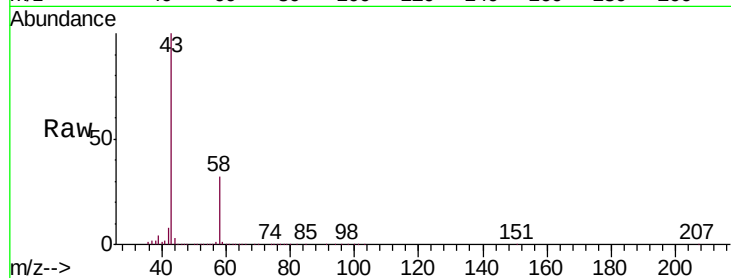
VSTD02005

Tgt Ion: 43 Resp: 846575

Ion Ratio Lower Upper

43 100

58 31.7 0.0 63.2



#14

Carbon disulfide

Concen: 27.326 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035483.D

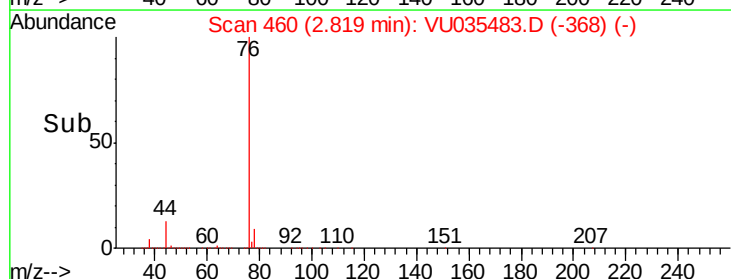
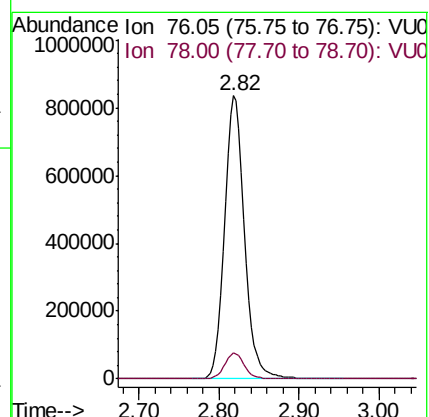
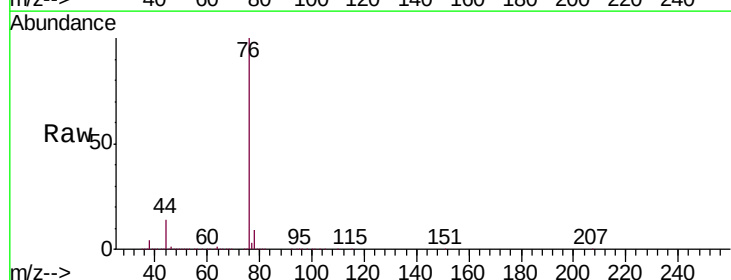
Acq: 25 Oct 2019 12:33

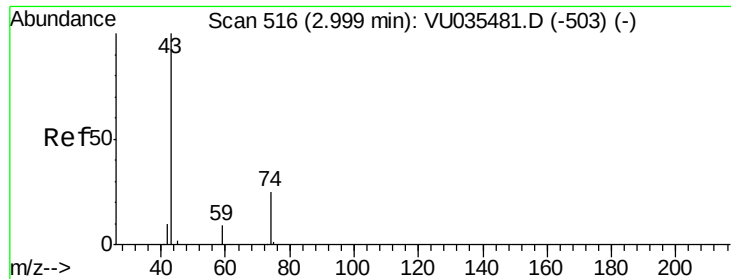
Tgt Ion: 76 Resp: 1446790

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

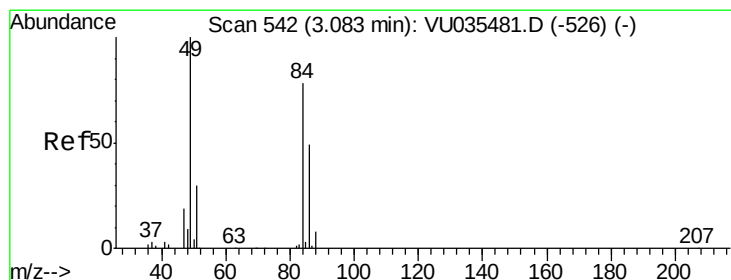
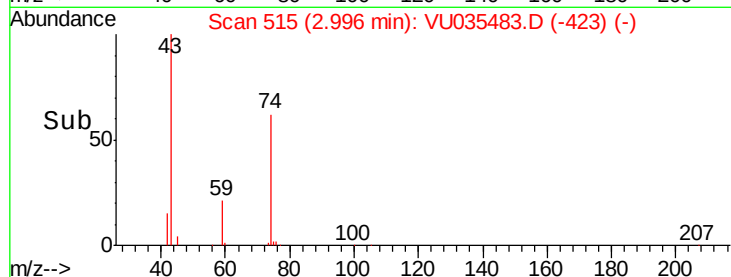
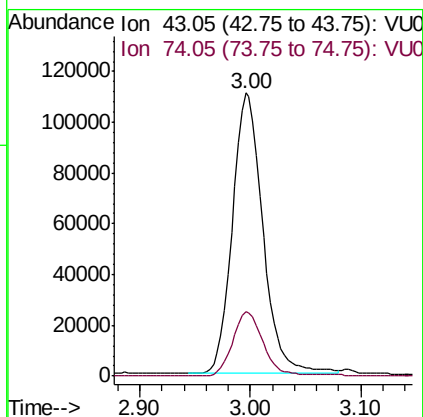
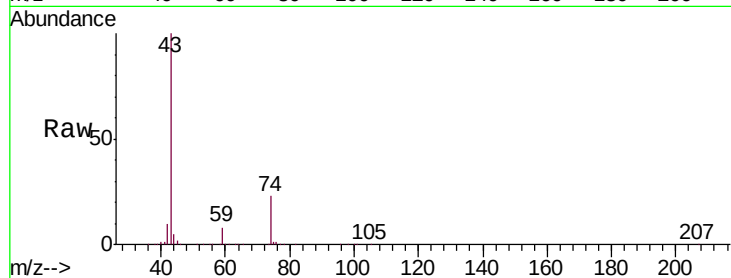




#15
Methyl Acetate
Concen: 27.246 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

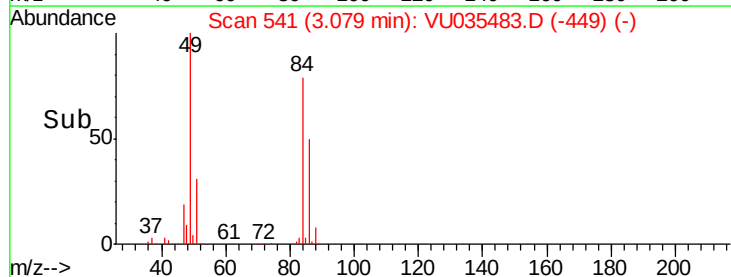
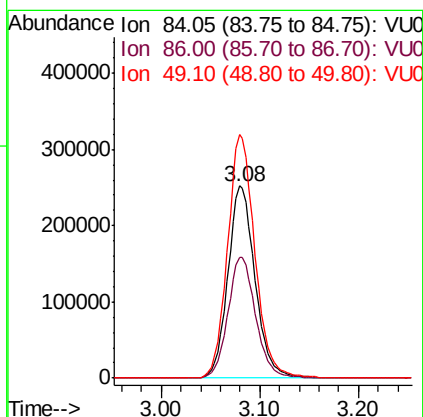
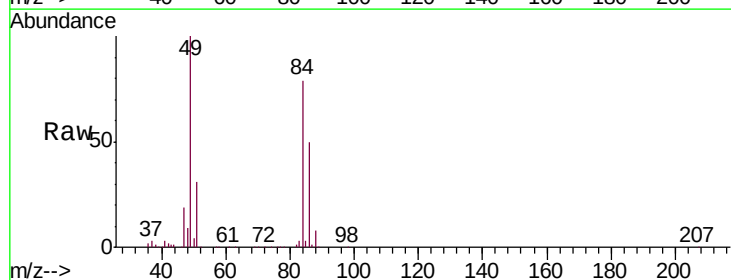
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

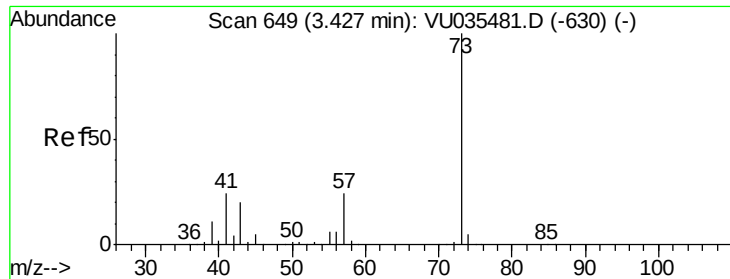
Tgt Ion: 43 Resp: 212225
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.2



#16
Methylene chloride
Concen: 24.479 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

Tgt Ion: 84 Resp: 485565
Ion Ratio Lower Upper
84 100
86 62.9 43.7 81.1
49 126.9 89.5 166.3

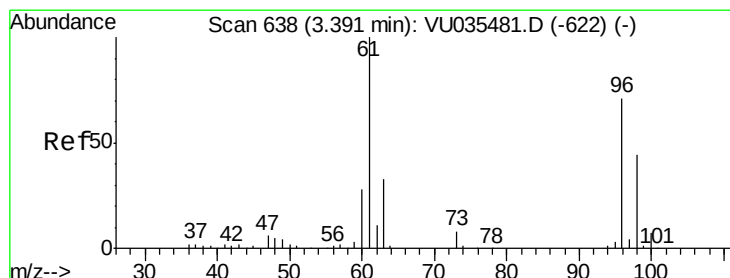
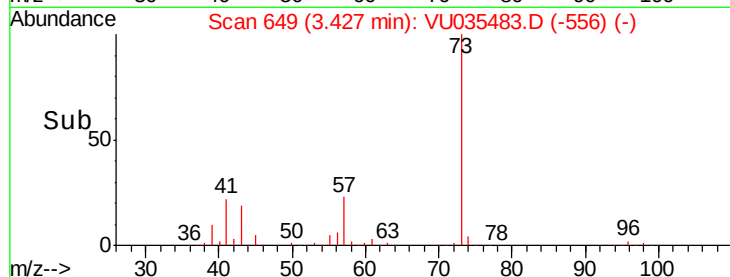
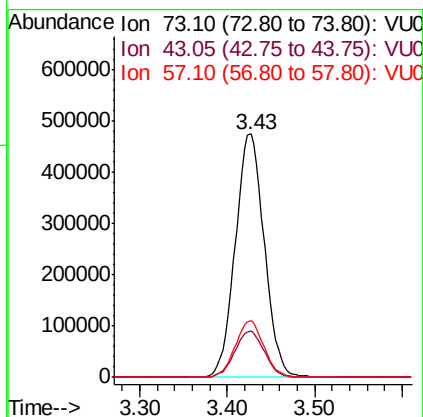
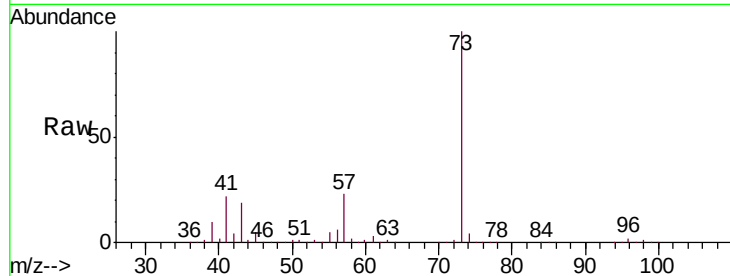




#17
Methyl tert-butyl Ether
Concen: 25.847 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

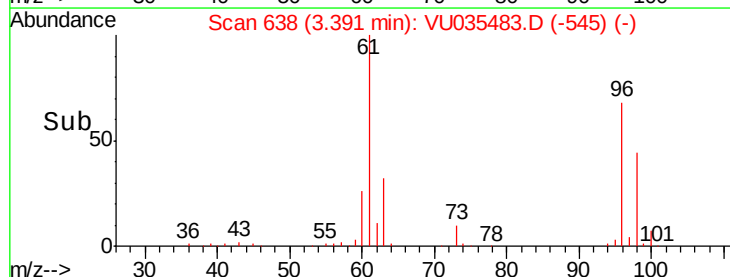
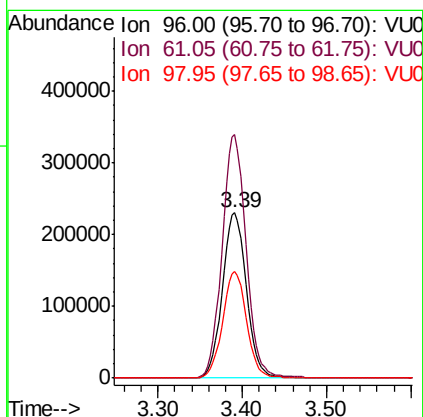
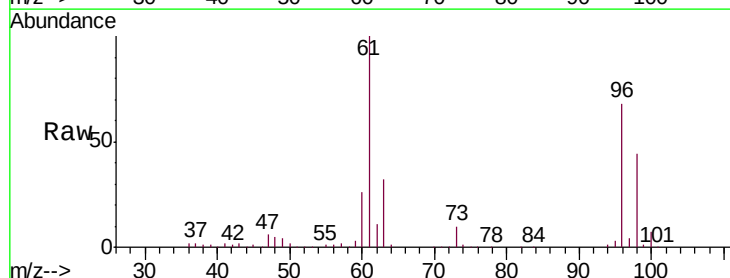
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

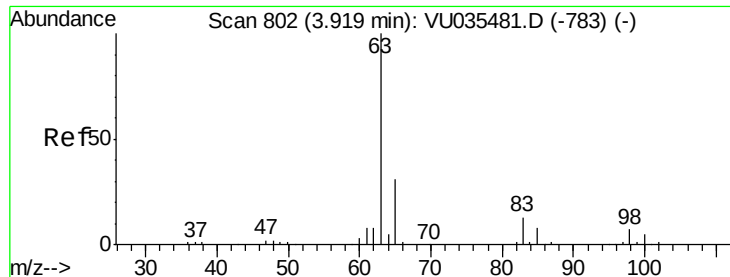
Tgt Ion: 73 Resp: 1092154
Ion Ratio Lower Upper
73 100
43 19.3 15.8 23.8
57 23.0 19.0 28.6



#18
trans-1,2-Dichloroethene
Concen: 26.228 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

Tgt Ion: 96 Resp: 458700
Ion Ratio Lower Upper
96 100
61 147.3 99.0 184.0
98 64.8 43.8 81.4

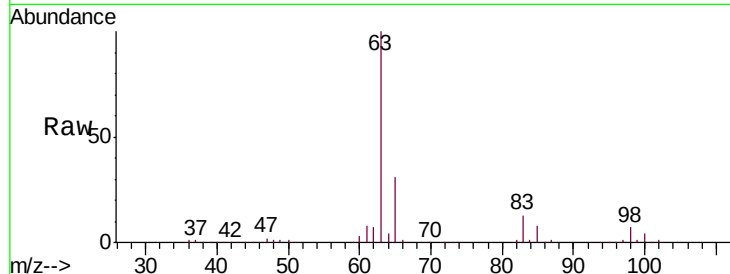




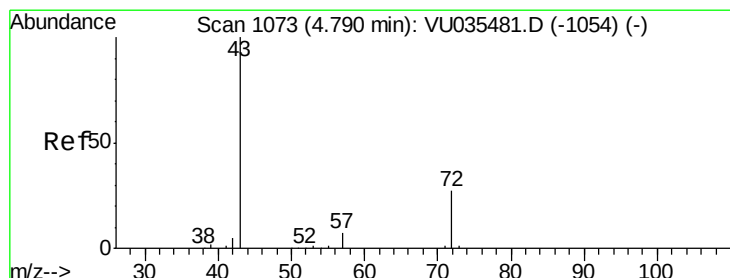
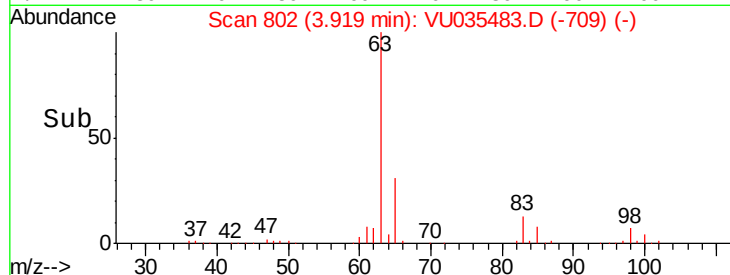
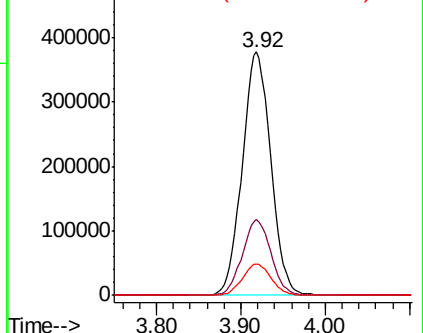
#19
 1,1-Dichloroethane
 Concen: 27.393 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion: 63 Resp: 889510
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.0 41.0
 83 13.0 9.2 17.2

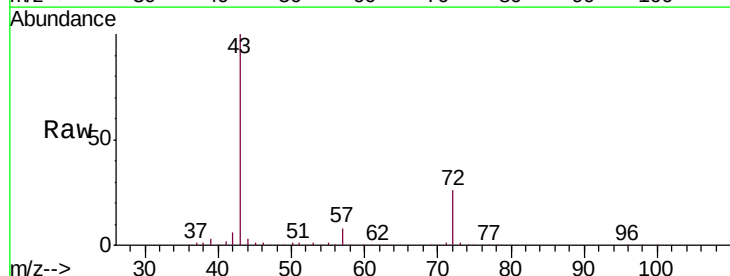


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

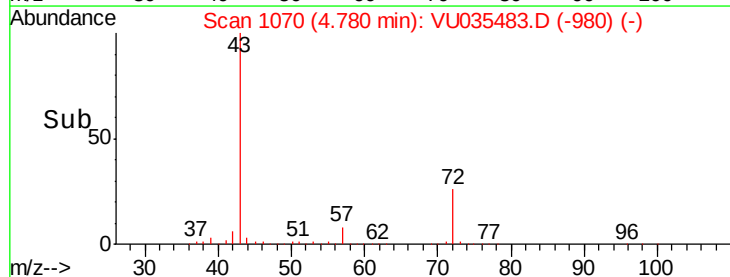
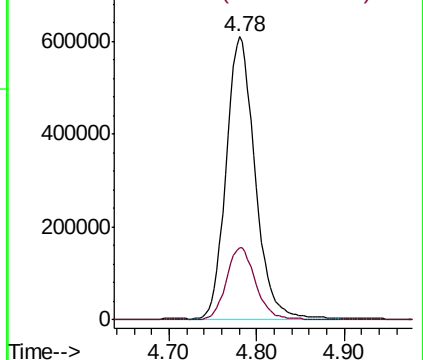


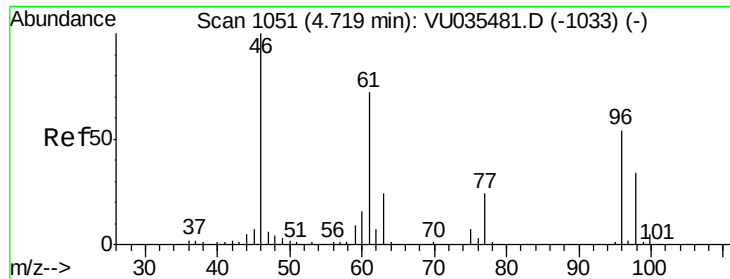
#21
 2-Butanone
 Concen: 274.572 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Tgt Ion: 43 Resp: 1387771
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.9 38.7



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





#22

cis-1,2-Dichloroethene

Concen: 26.653 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

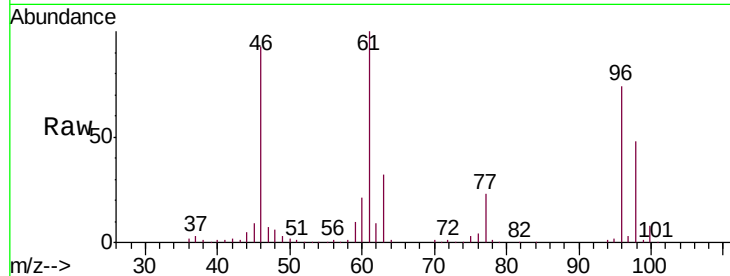
Tgt Ion: 96 Resp: 511447

Ion Ratio Lower Upper

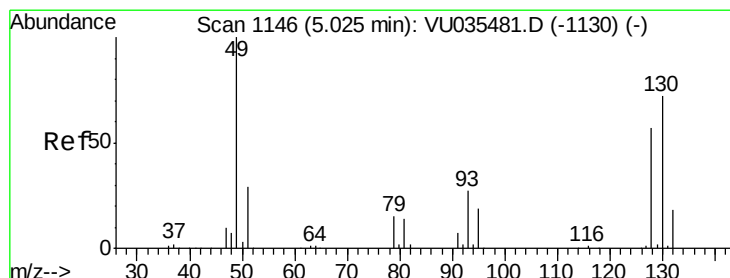
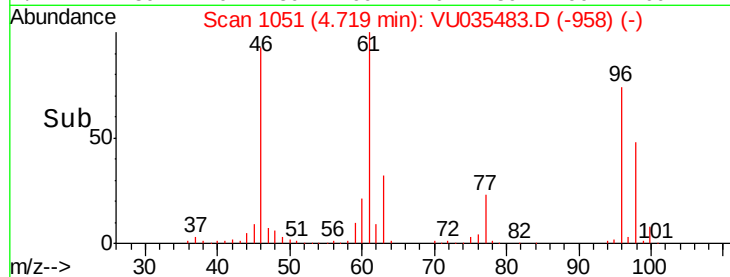
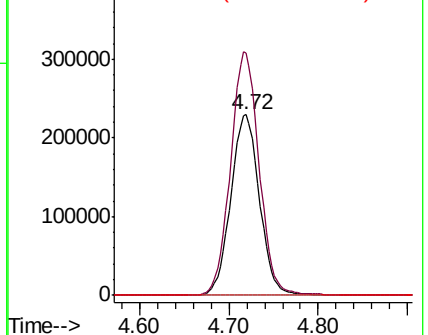
96 100

61 134.6 93.6 173.8

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 26.332 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Tgt Ion: 128 Resp: 219241

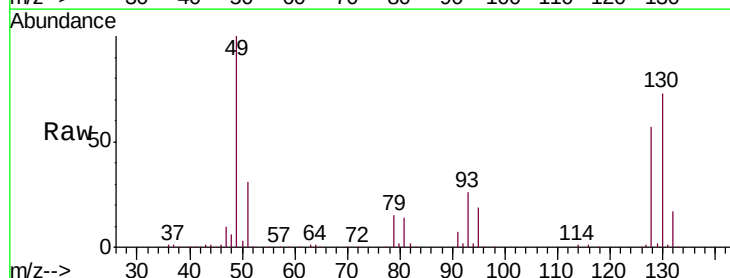
Ion Ratio Lower Upper

128 100

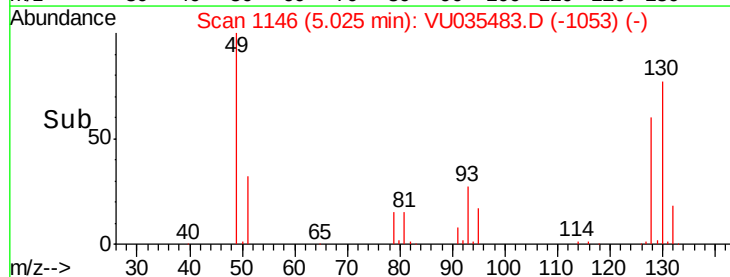
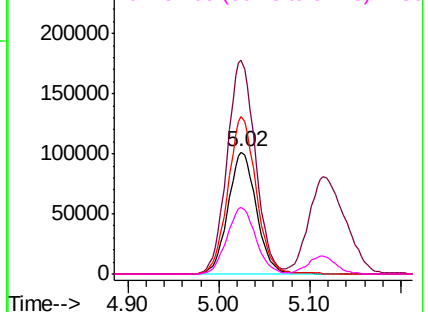
49 175.2 122.2 226.9

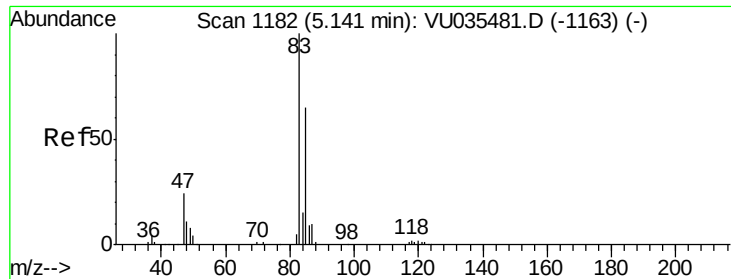
130 128.7 87.9 163.3

51 54.7 41.0 61.6



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

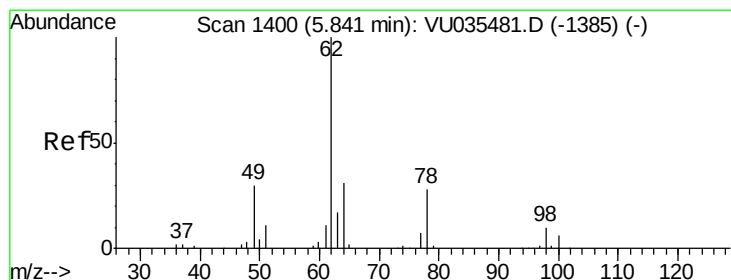
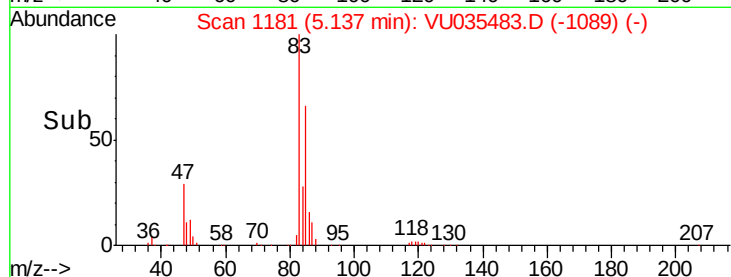
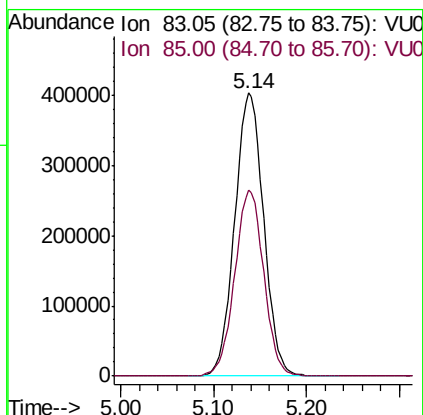
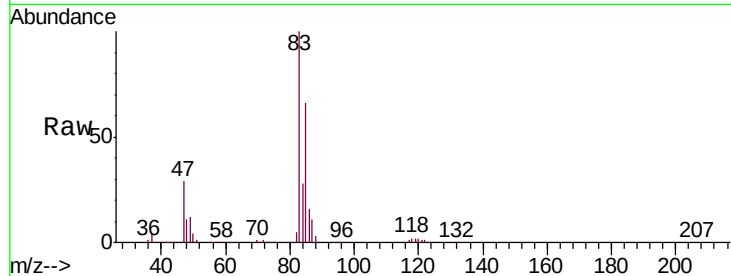




#25
Chloroform
Concen: 24.670 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

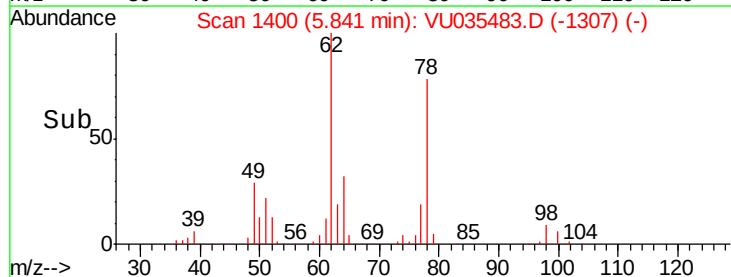
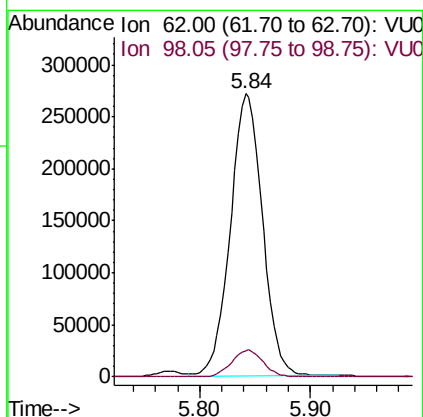
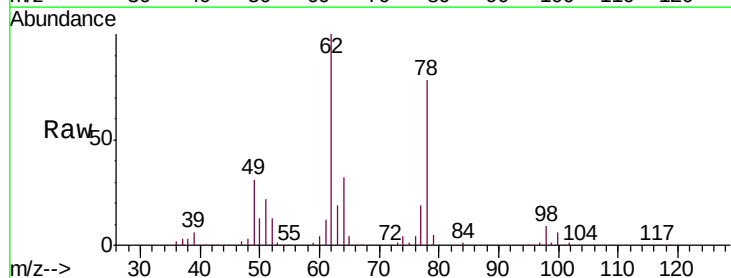
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

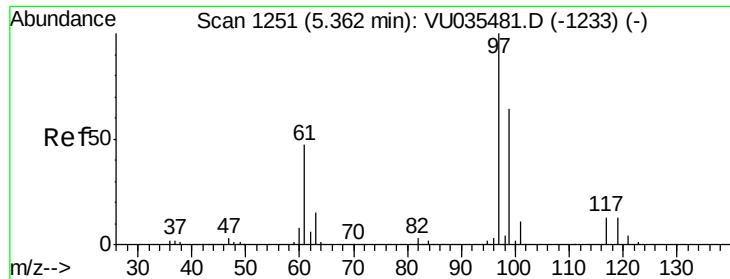
Tgt Ion: 83 Resp: 872713
Ion Ratio Lower Upper
83 100
85 65.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.655 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

Tgt Ion: 62 Resp: 549555
Ion Ratio Lower Upper
62 100
98 9.4 7.6 11.4

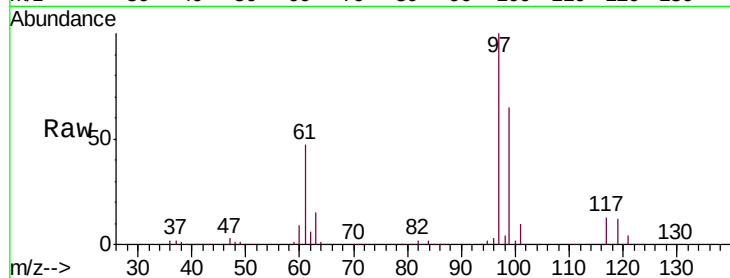




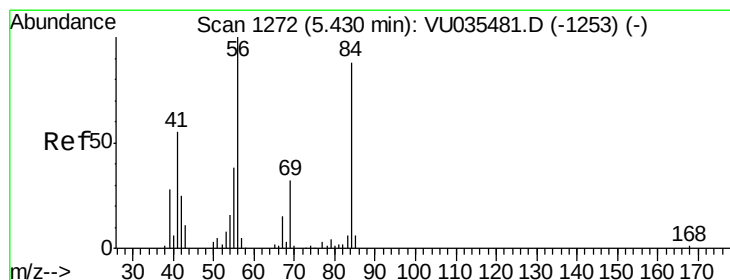
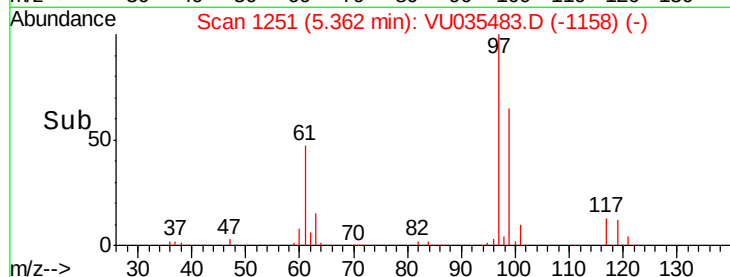
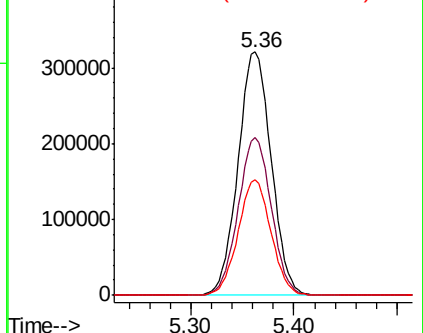
#29
 1,1,1-Trichloroethane
 Concen: 22.998 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion: 97 Resp: 719208
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.1 76.7
 61 46.9 37.9 56.9

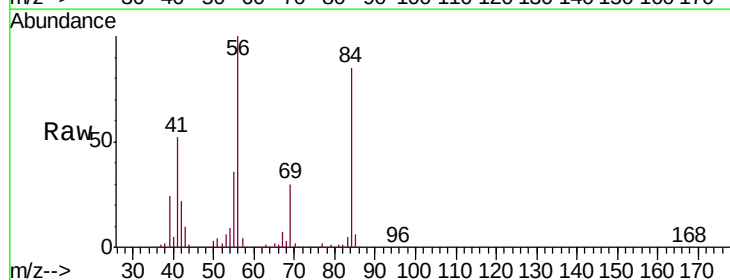


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

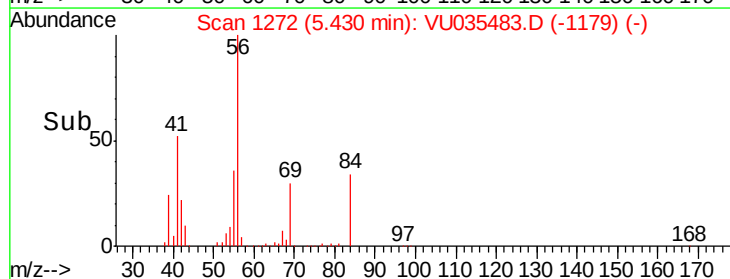
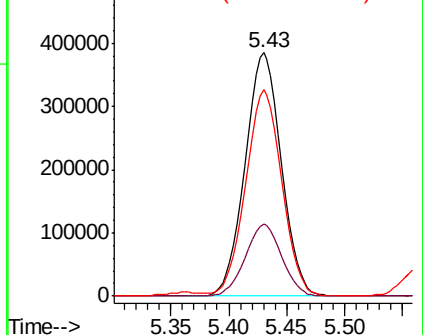


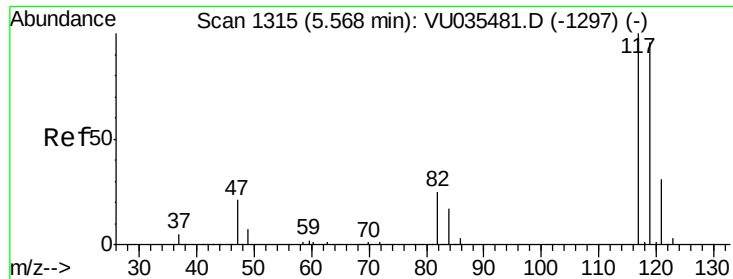
#30
 Cyclohexane
 Concen: 25.273 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Tgt Ion: 56 Resp: 837366
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.9 35.9
 84 84.6 69.4 104.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 22.902 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

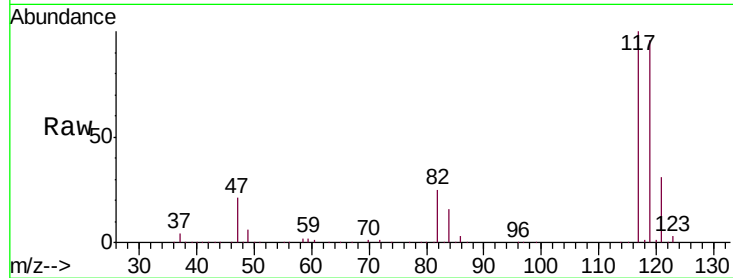
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tgt Ion:117 Resp: 645998

Ion Ratio Lower Upper

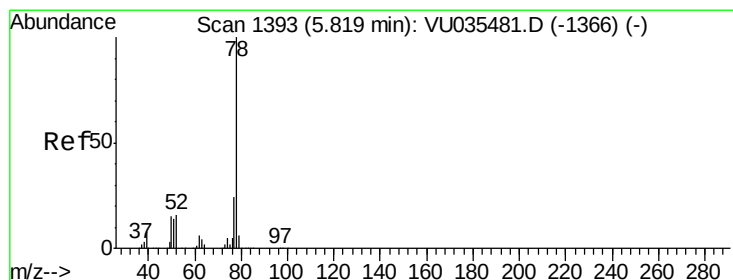
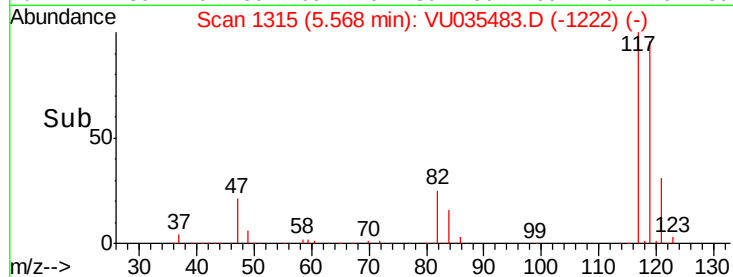
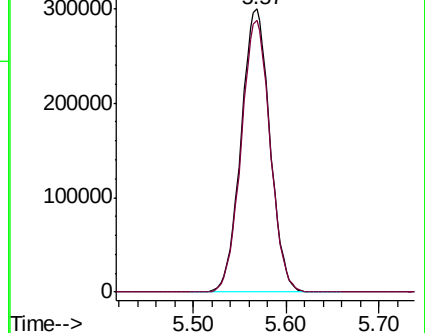
117 100

119 96.1 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 24.639 ug/L

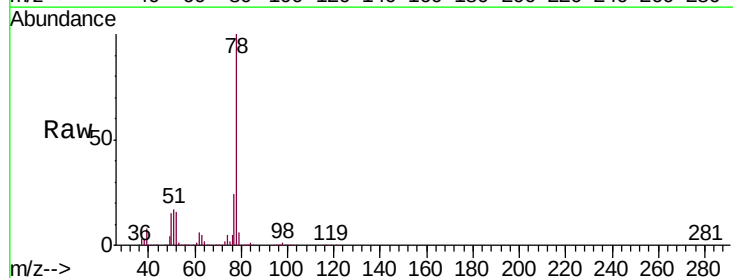
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

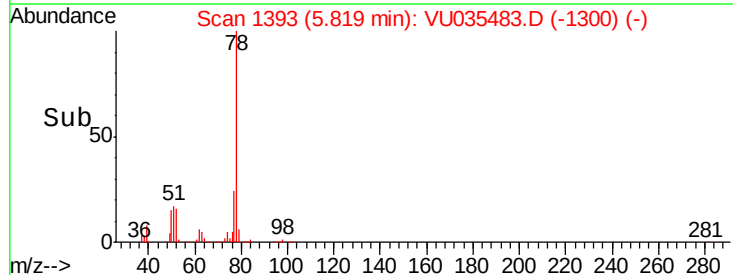
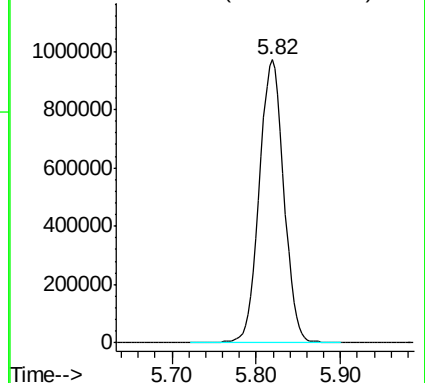
Lab File: VU035483.D

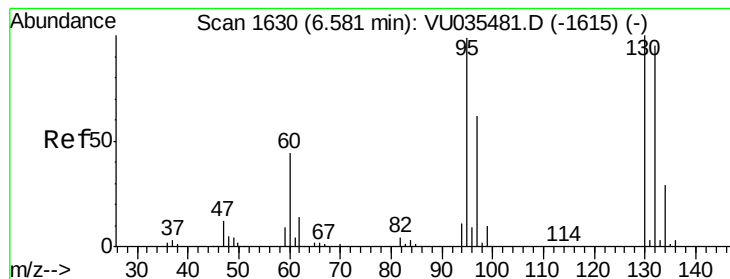
Acq: 25 Oct 2019 12:33

Tgt Ion: 78 Resp: 1965604



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 23.113 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

Tgt Ion: 95 Resp: 484522

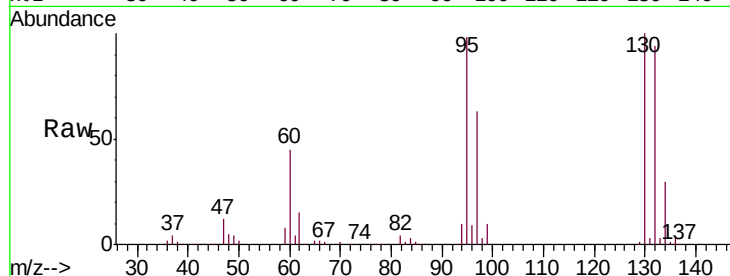
Ion Ratio Lower Upper

95 100

97 64.3 43.8 81.4

132 95.7 67.3 124.9

130 102.1 70.6 131.2

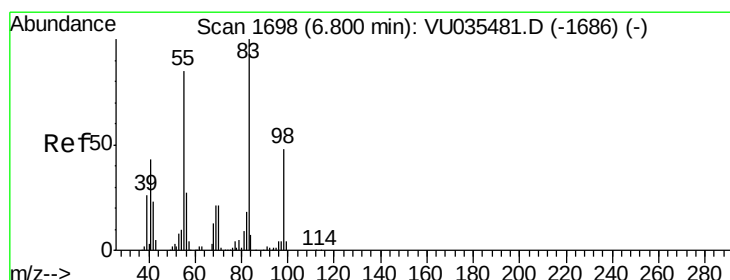
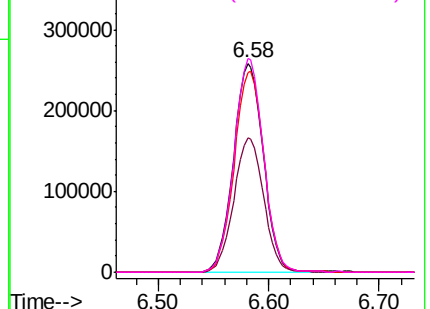
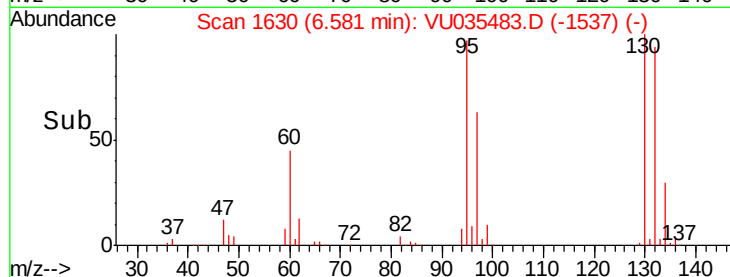


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 24.573 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

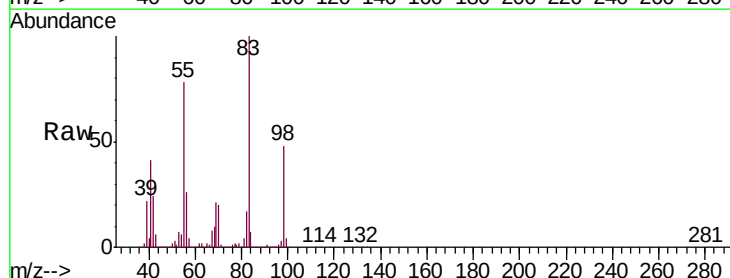
Tgt Ion: 83 Resp: 844450

Ion Ratio Lower Upper

83 100

55 78.5 67.3 100.9

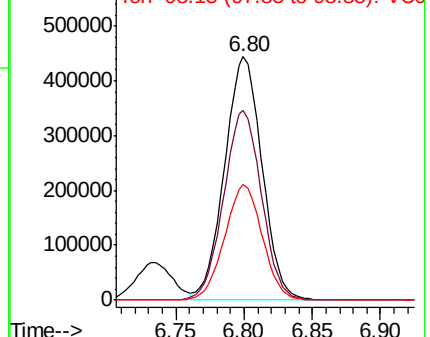
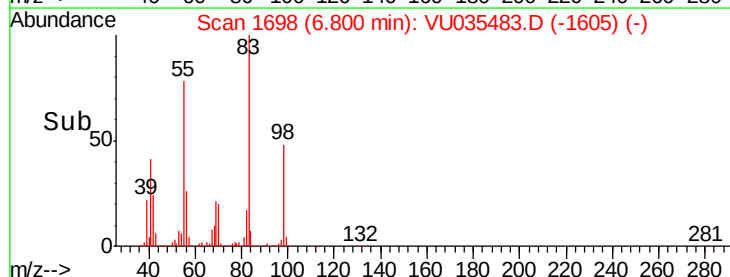
98 47.7 39.0 58.6

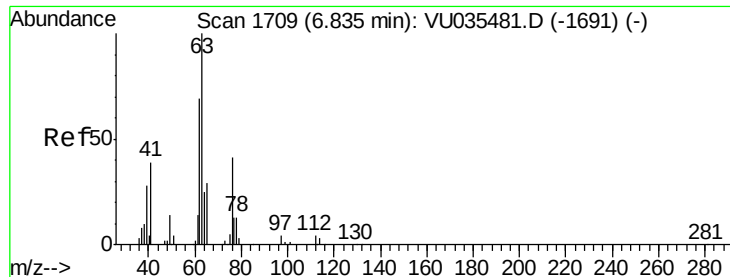


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

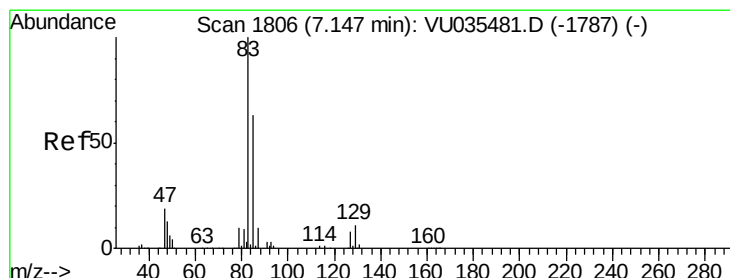
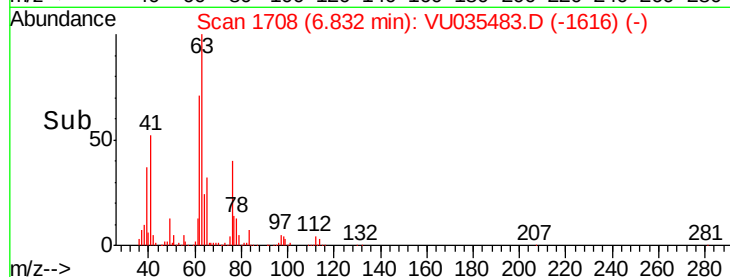
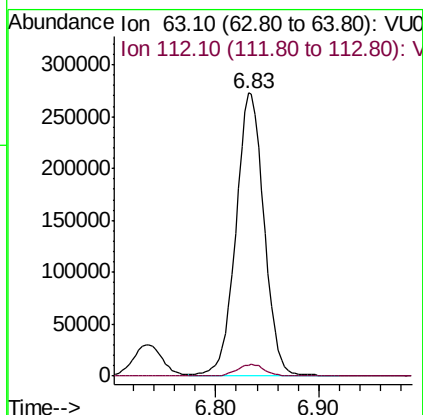
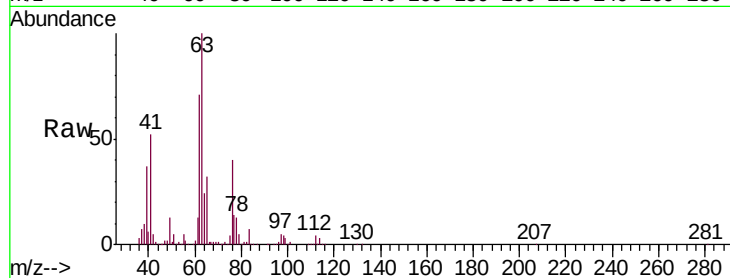




#37
 1,2-Dichloropropane
 Concen: 25.263 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

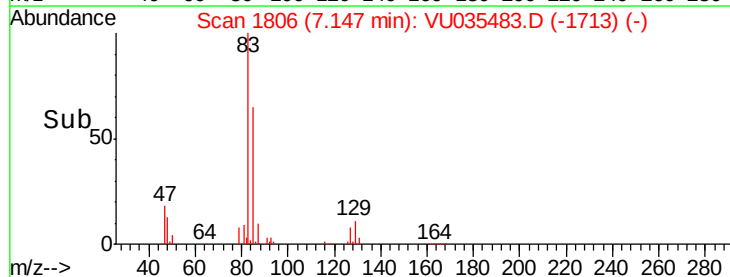
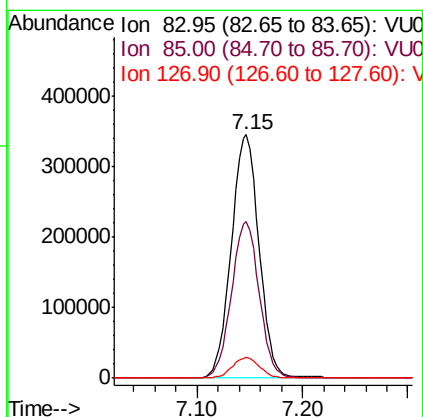
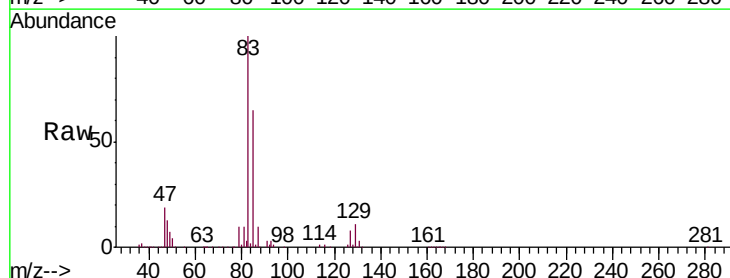
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

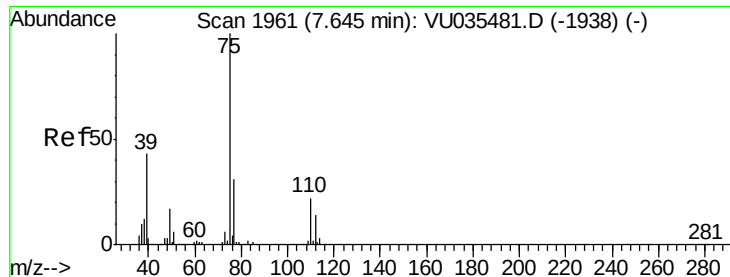
Tgt Ion: 63 Resp: 514892
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 23.308 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Tgt Ion: 83 Resp: 627258
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.2 82.2
 127 8.4 6.6 9.8

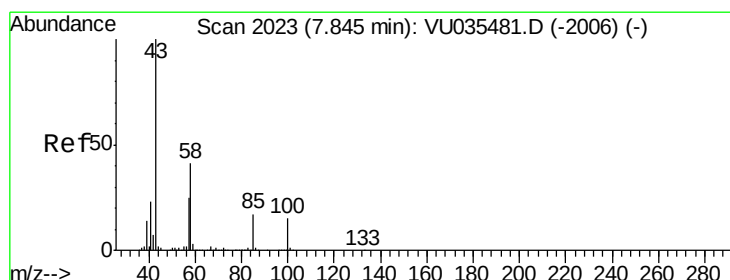
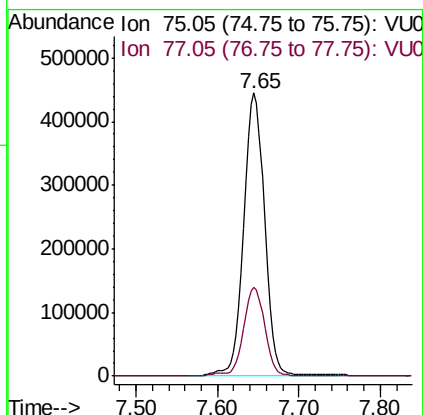
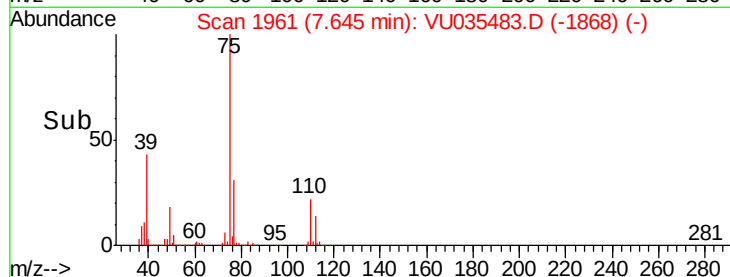
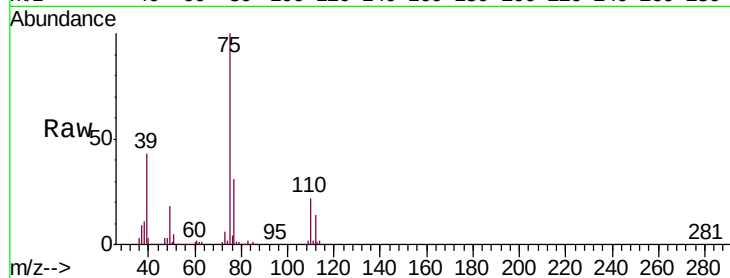




#39
 cis-1,3-Dichloropropene
 Concen: 24.164 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

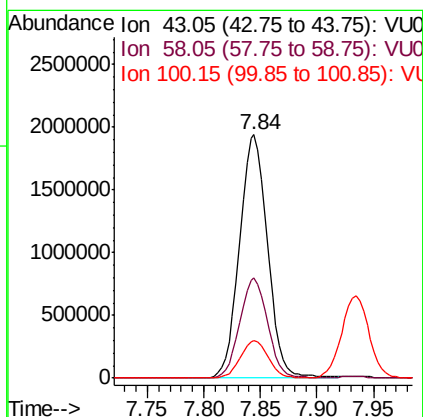
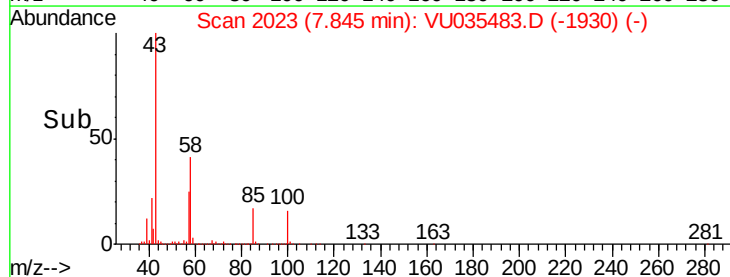
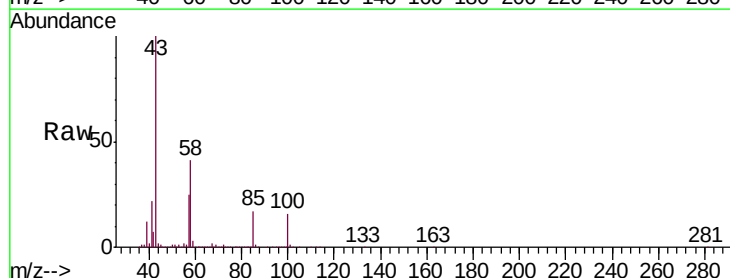
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

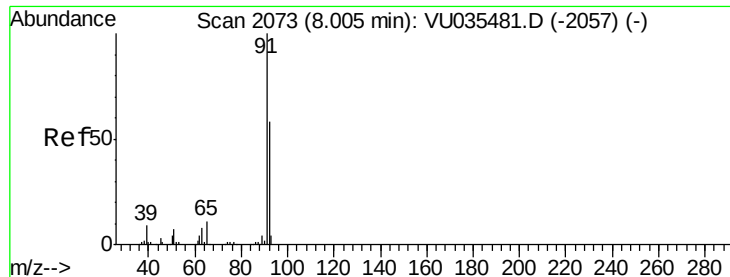
Tgt Ion: 75 Resp: 789962
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 248.984 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Tgt Ion: 43 Resp: 3364474
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.6 47.4
 100 15.3 11.8 17.8





#42

Toluene

Concen: 23.850 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

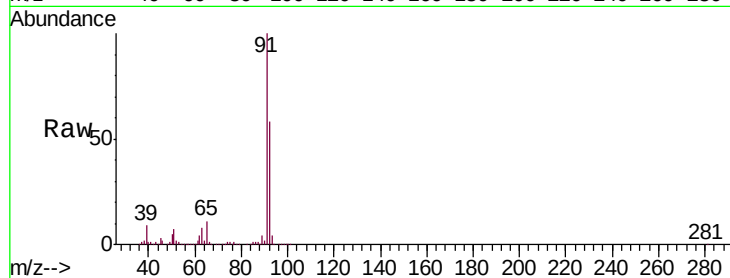
VSTD02005

Tgt Ion: 91 Resp: 2078983

Ion Ratio Lower Upper

91 100

92 58.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU035483.D (-1980) (-)

Ion 92.15 (91.85 to 92.85): VU035483.D (-1980) (-)

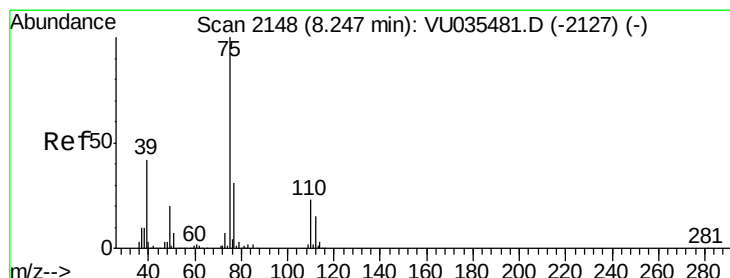
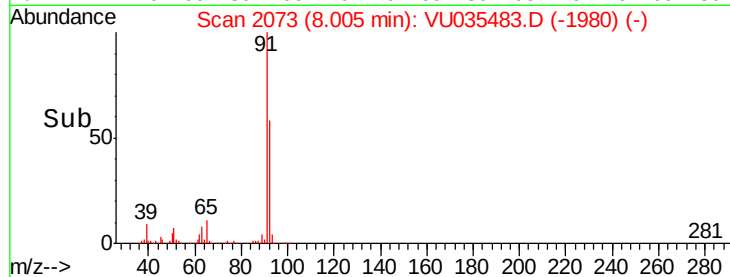
8.01

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 23.737 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035483.D

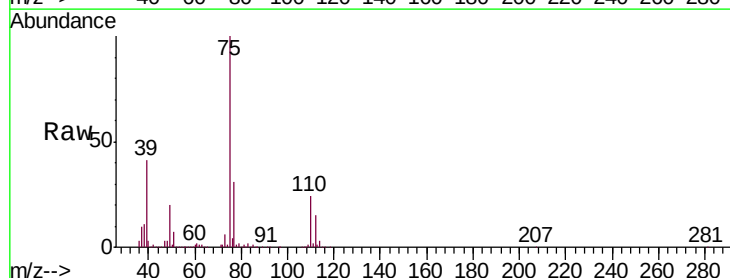
Acq: 25 Oct 2019 12:33

Tgt Ion: 75 Resp: 632597

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU035483.D (-2055) (-)

Ion 77.05 (76.75 to 77.75): VU035483.D (-2055) (-)

8.25

400000

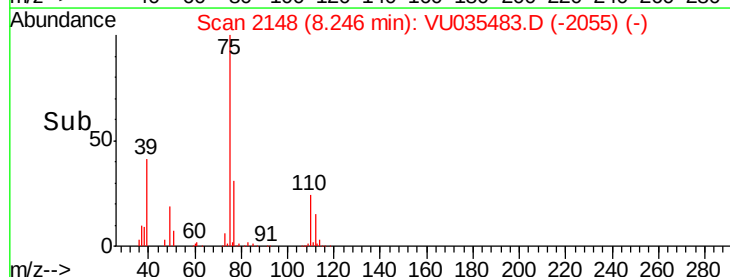
300000

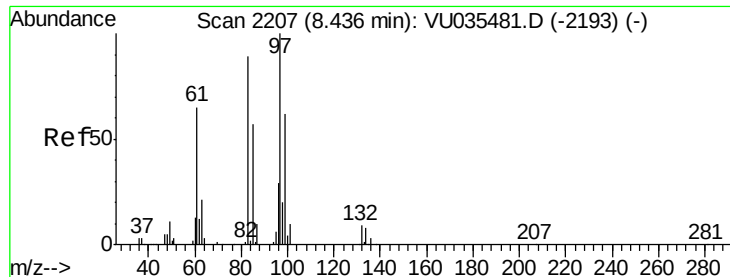
200000

100000

0

Time-->

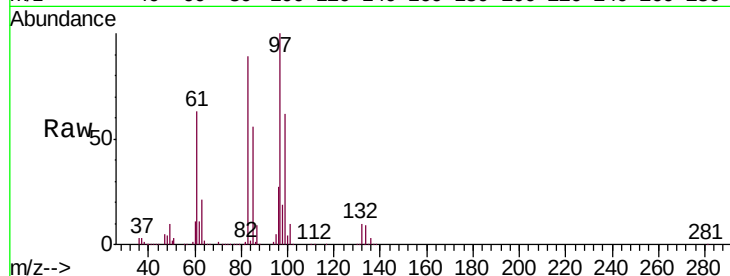




#45
 1,1,2-Trichloroethane
 Concen: 23.512 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion:	97	Resp:	349179
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.6	81.0
83	88.6	62.3	115.7
85	56.3	40.0	74.4

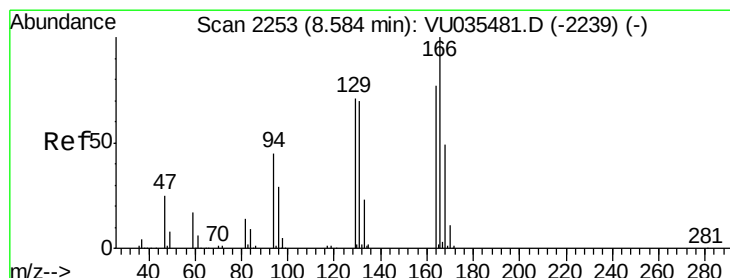
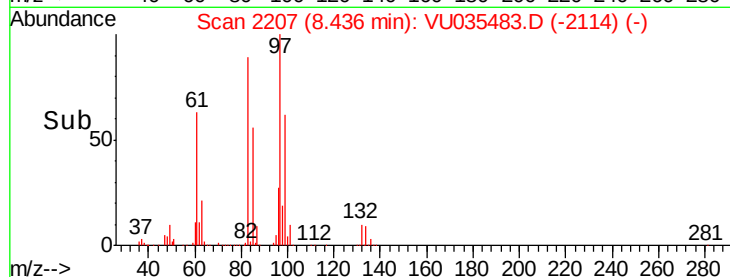
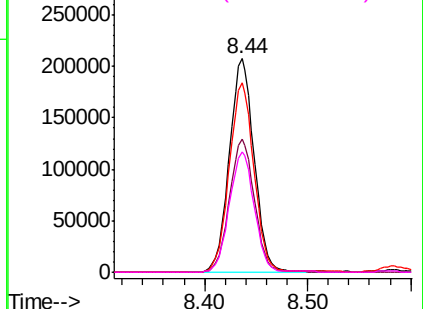


Abundance Ion 96.95 (96.65 to 97.65): VU035483.D (-2193) (-)

Ion 99.05 (98.75 to 99.75): VU035483.D (-2193) (-)

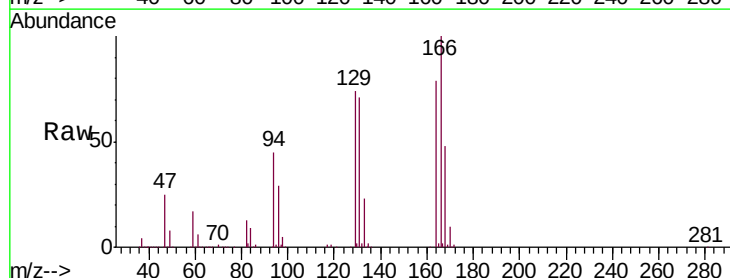
Ion 82.95 (82.65 to 83.65): VU035483.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU035483.D (-2193) (-)



#47
 Tetrachloroethene
 Concen: 22.414 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Tgt Ion:	164	Resp:	389952
Ion	Ratio	Lower	Upper
164	100		
129	93.6	64.6	120.0
131	90.7	63.1	117.3
166	127.2	90.4	168.0

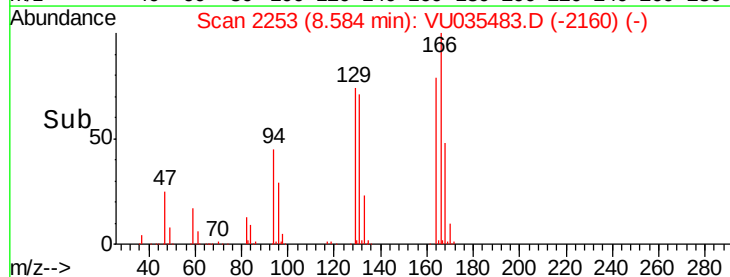
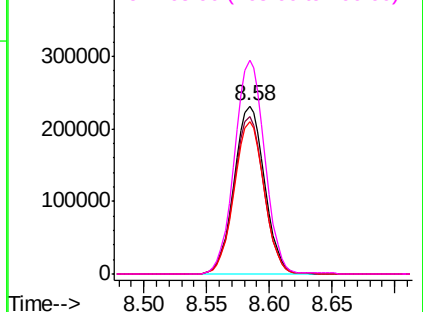


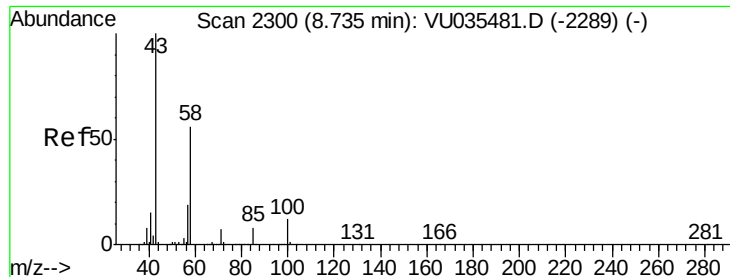
Abundance Ion 163.90 (163.60 to 164.60): VU035483.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035483.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035483.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035483.D (-2239) (-)

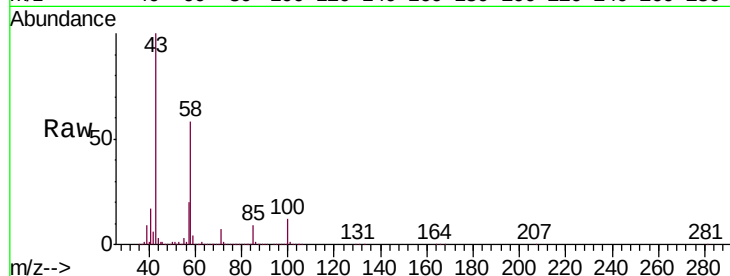




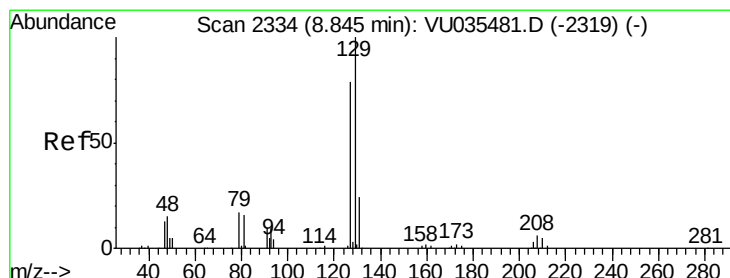
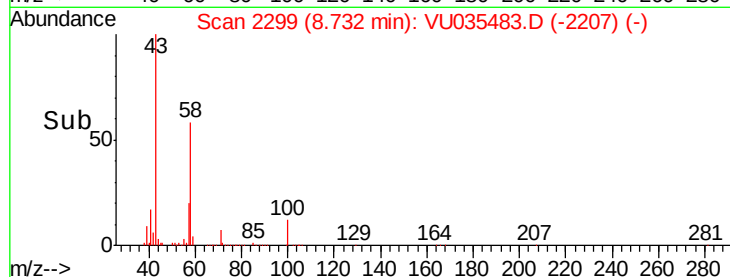
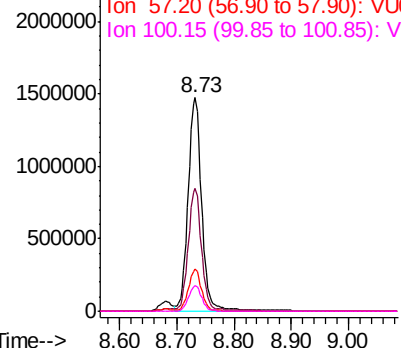
#48
2-Hexanone
Concen: 257.434 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tgt Ion: 43 Resp: 2447104
Ion Ratio Lower Upper
43 100
58 55.5 43.1 64.7
57 18.9 14.2 21.2
100 11.8 9.0 13.4

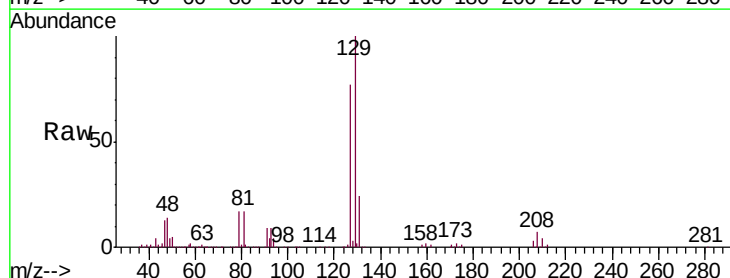


Abundance Ion 43.05 (42.75 to 43.75): VU035483.D (-2299) (-)
Ion 58.05 (57.75 to 58.75): VU035483.D (-2299) (-)
Ion 57.20 (56.90 to 57.90): VU035483.D (-2299) (-)
Ion 100.15 (99.85 to 100.85): VU035483.D (-2299) (-)

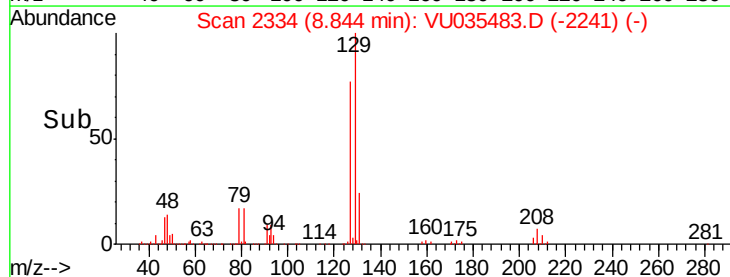
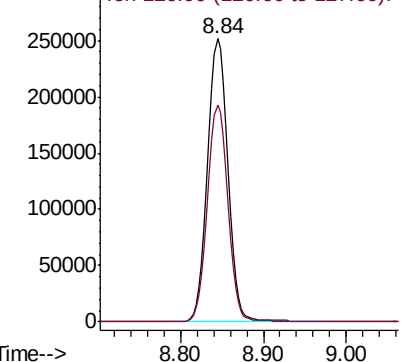


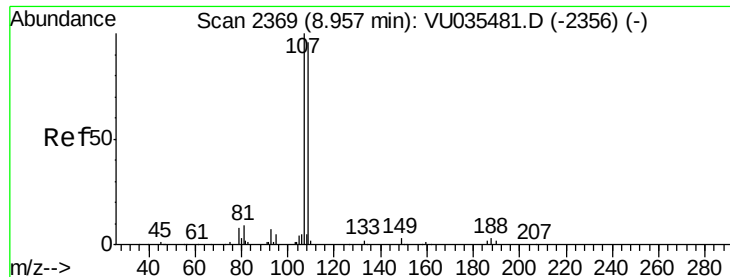
#49
Dibromochloromethane
Concen: 23.119 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

Tgt Ion: 129 Resp: 427507
Ion Ratio Lower Upper
129 100
127 76.5 55.6 103.4



Abundance Ion 128.95 (128.65 to 129.65): VU035483.D (-2334) (-)
Ion 126.90 (126.60 to 127.60): VU035483.D (-2334) (-)

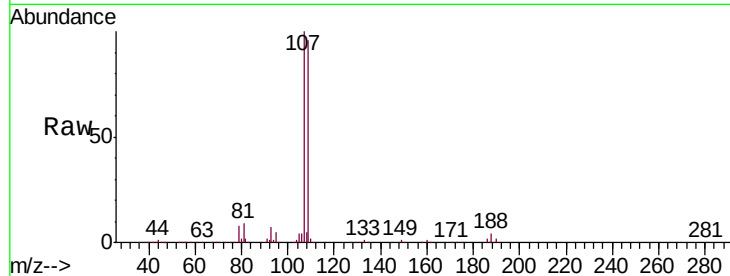




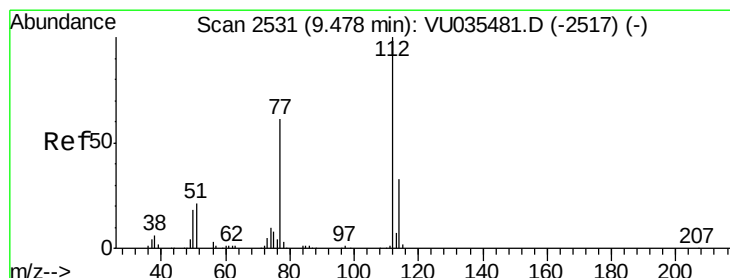
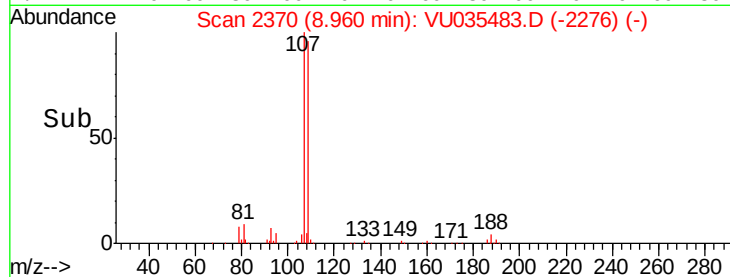
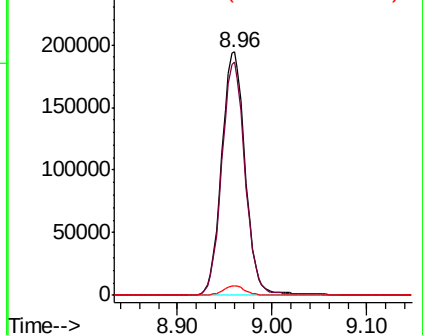
#50
1,2-Dibromoethane
Concen: 23.045 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tgt Ion:107 Resp: 338126
Ion Ratio Lower Upper
107 100
109 95.7 66.9 124.3
188 4.0 2.6 4.0#

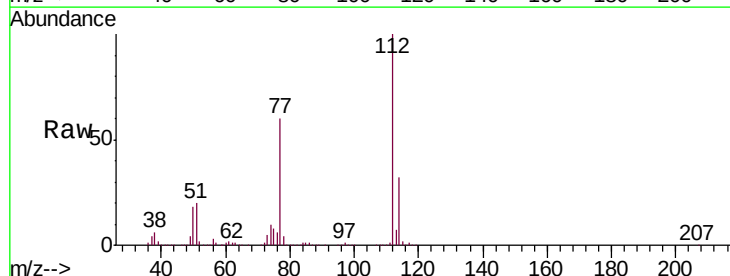


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

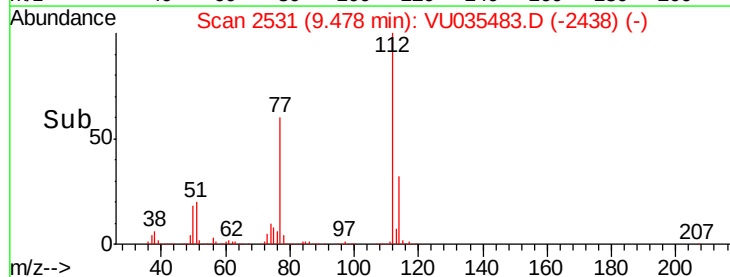
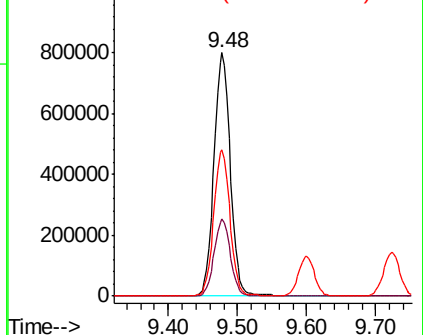


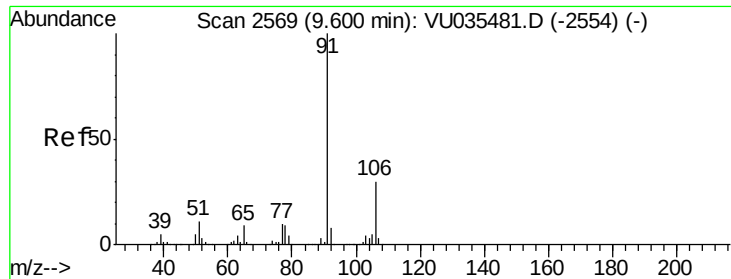
#51
Chlorobenzene
Concen: 23.602 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035483.D
Acq: 25 Oct 2019 12:33

Tgt Ion:112 Resp: 1310450
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.3
77 60.4 49.1 73.7



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





#52

Ethylbenzene

Concen: 24.151 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

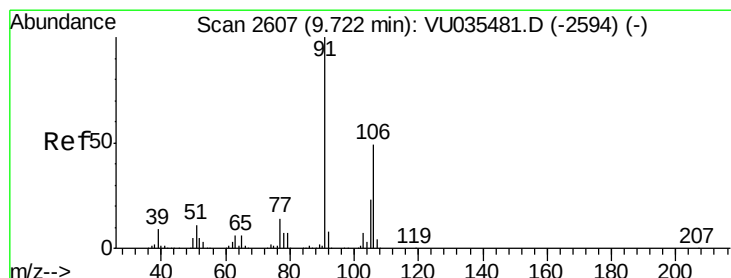
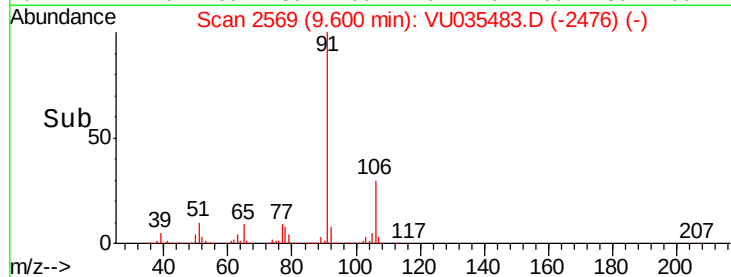
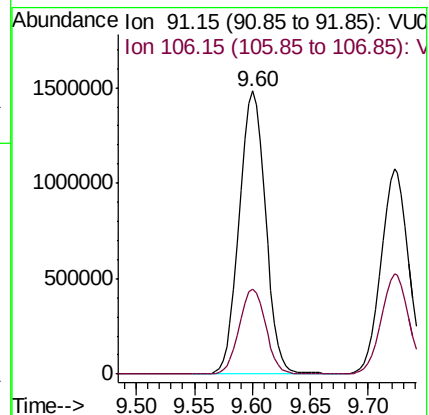
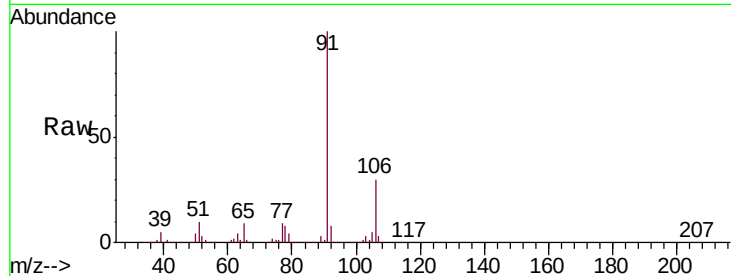
VSTD02005

Tgt Ion: 91 Resp: 2338867

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



#53

m,p-Xylene

Concen: 24.175 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035483.D

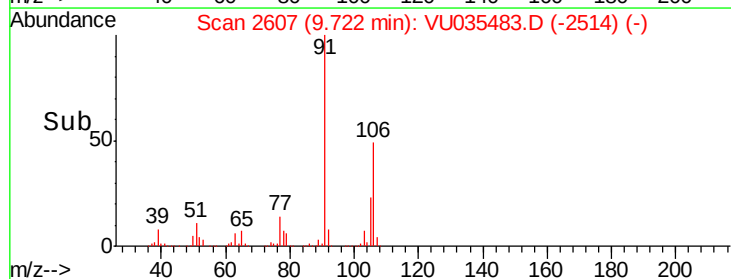
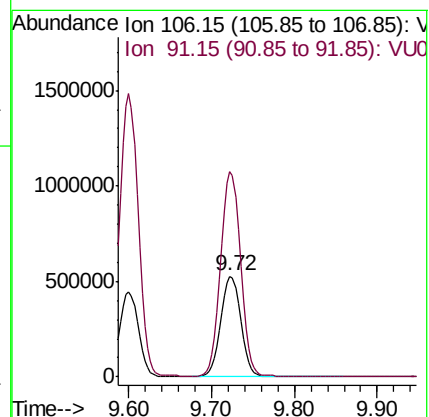
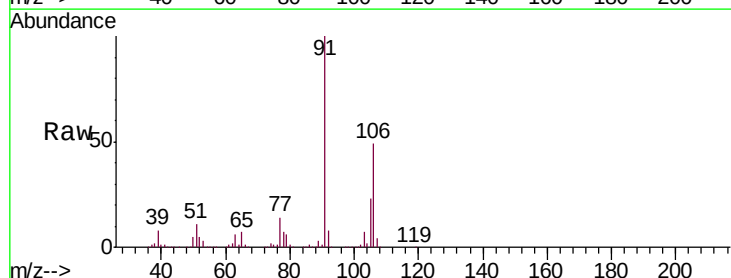
Acq: 25 Oct 2019 12:33

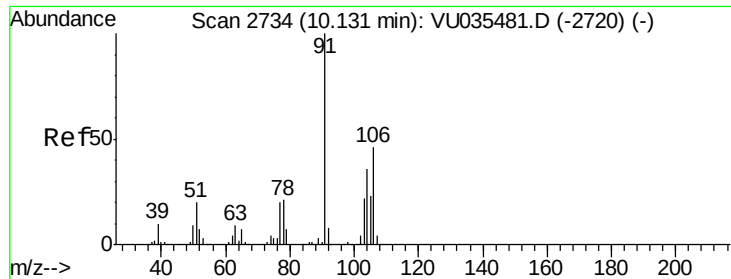
Tgt Ion: 106 Resp: 883820

Ion Ratio Lower Upper

106 100

91 204.5 142.3 264.3





#54

o-Xylene

Concen: 24.028 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

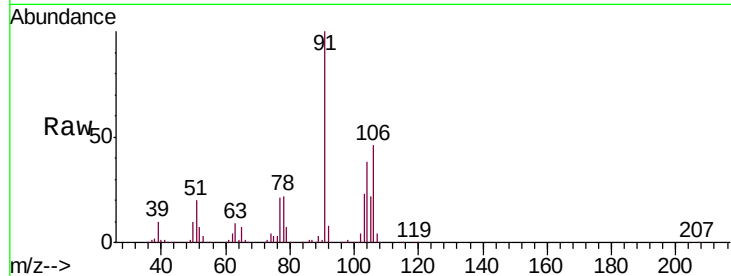
VSTD02005

Tgt Ion:106 Resp: 855842

Ion Ratio Lower Upper

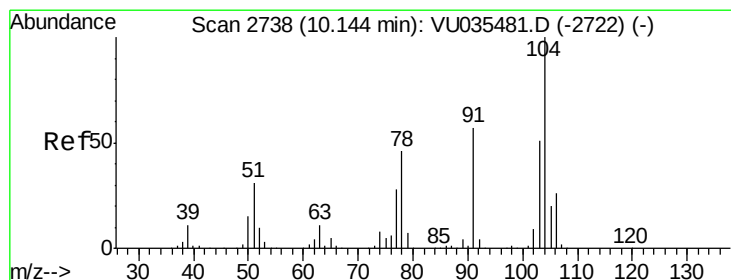
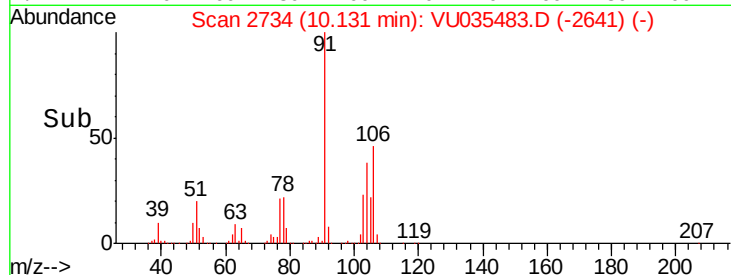
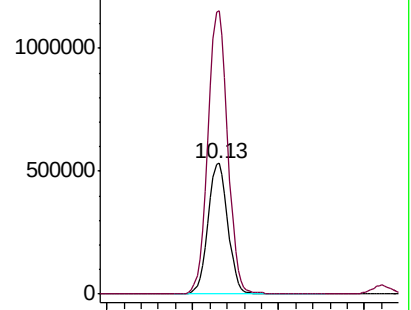
106 100

91 217.0 150.8 280.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 25.019 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035483.D

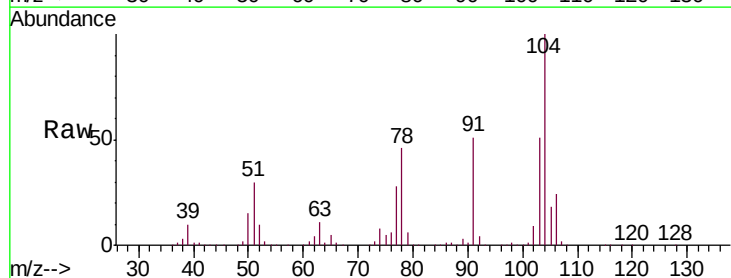
Acq: 25 Oct 2019 12:33

Tgt Ion:104 Resp: 1457755

Ion Ratio Lower Upper

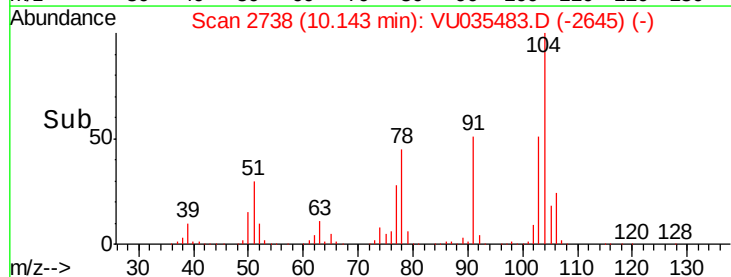
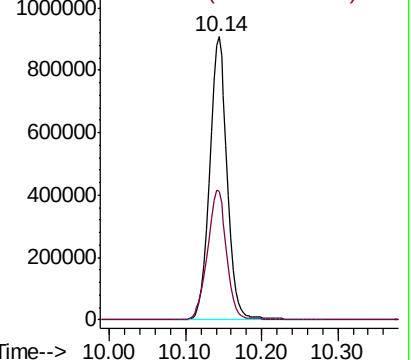
104 100

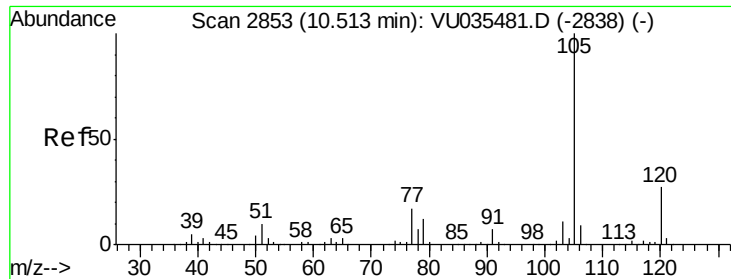
78 45.5 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 23.956 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

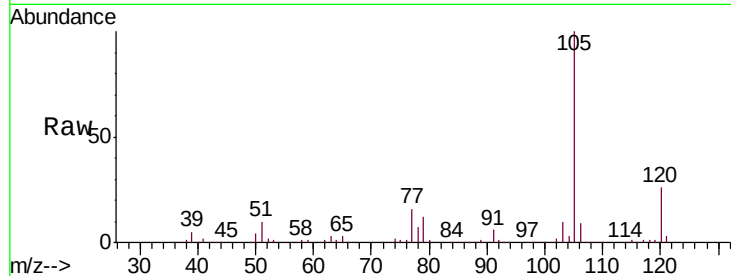
Tgt Ion:105 Resp: 2274665

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

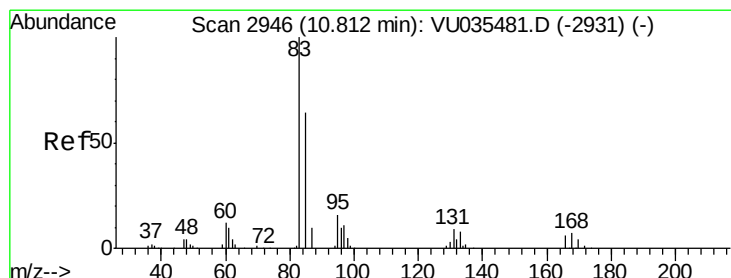
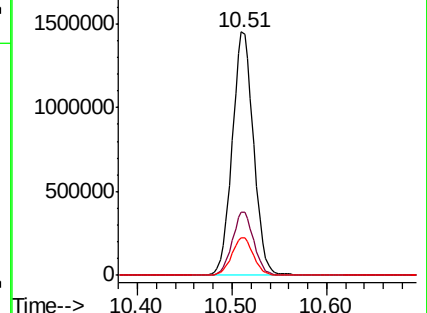
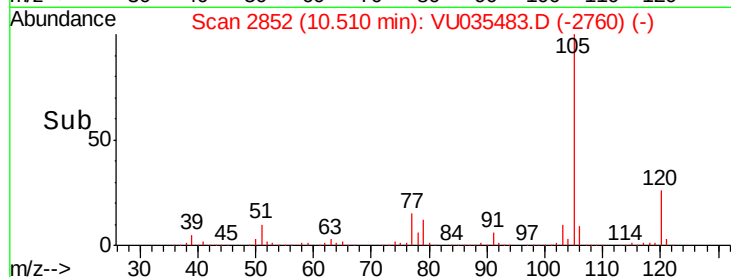
77 15.6 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.472 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

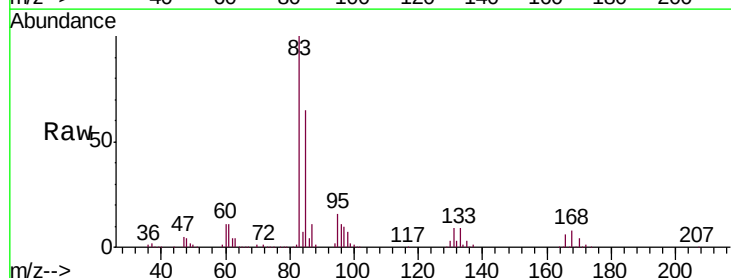
Tgt Ion: 83 Resp: 472330

Ion Ratio Lower Upper

83 100

85 64.8 44.7 83.1

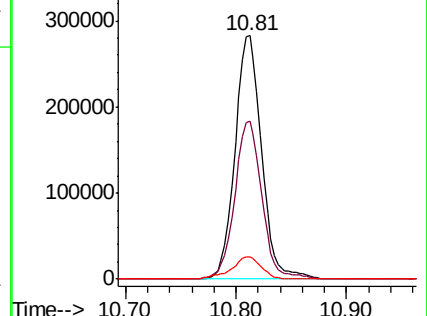
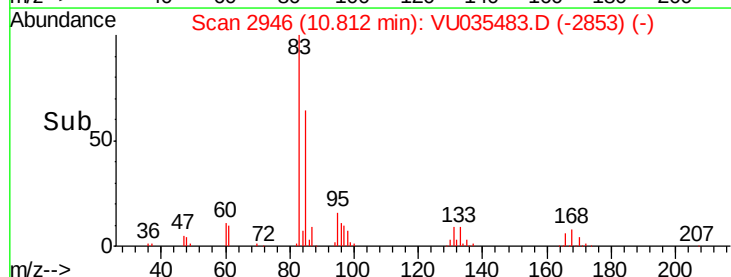
131 9.4 7.4 11.2

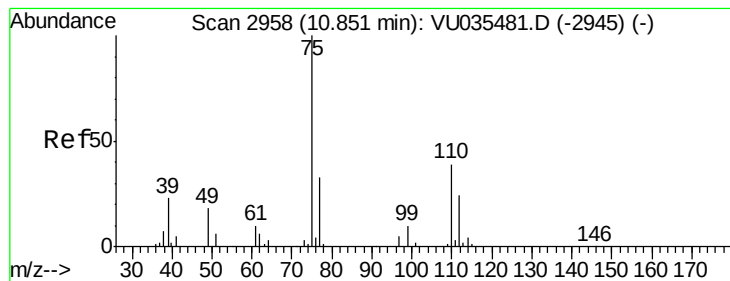


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 24.305 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

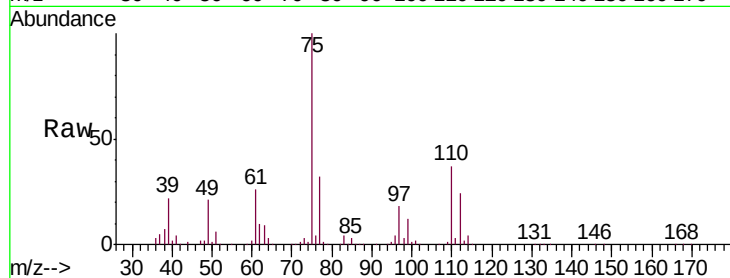
VSTD02005

Tgt Ion: 75 Resp: 336689

Ion Ratio Lower Upper

75 100

77 32.4 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU035481.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU035481.D (-2945) (-)

10.85

200000

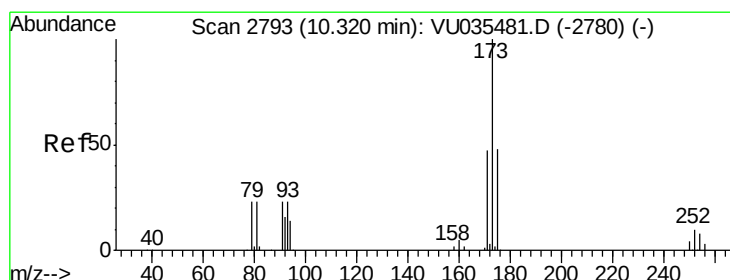
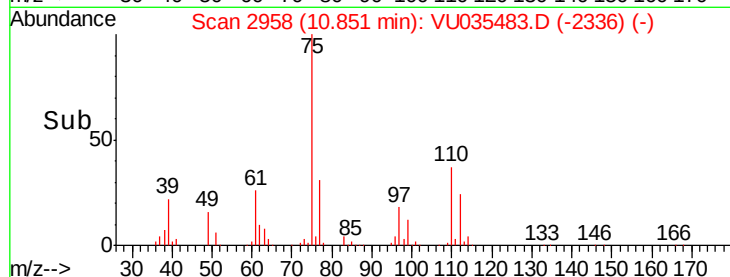
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 17.812 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

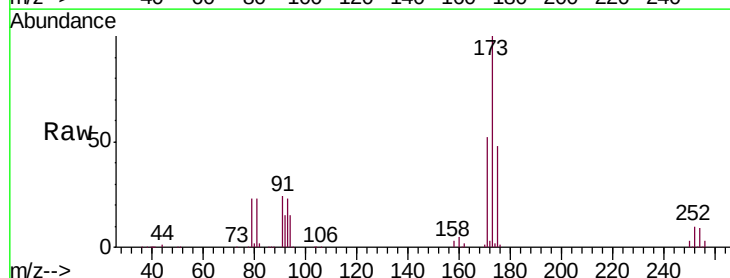
Tgt Ion: 173 Resp: 252172

Ion Ratio Lower Upper

173 100

175 48.4 39.1 58.7

254 9.5 6.8 10.2



Abundance Ion 172.90 (172.60 to 173.60): VU035481.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU035481.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035481.D (-2780) (-)

10.32

200000

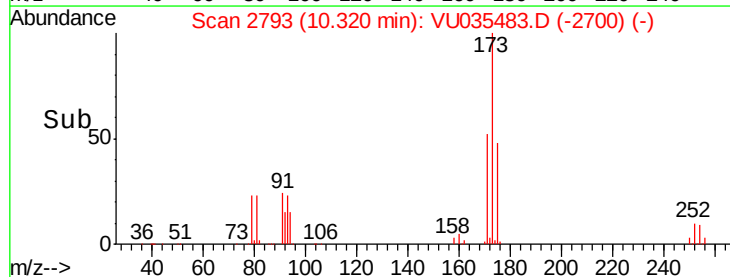
150000

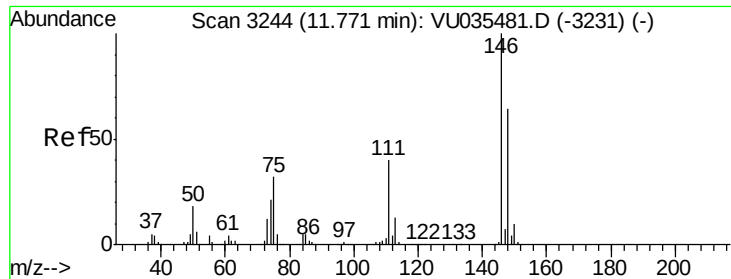
100000

50000

0

Time-->

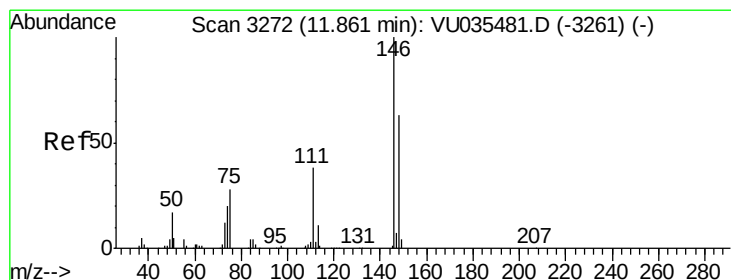
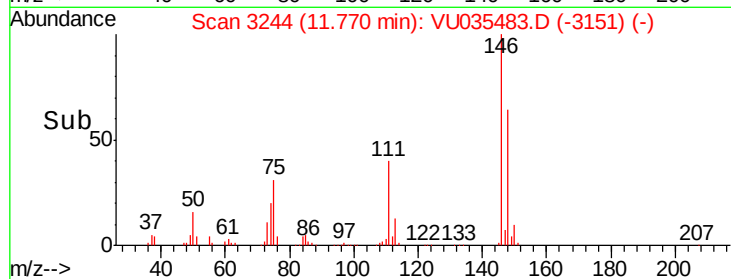
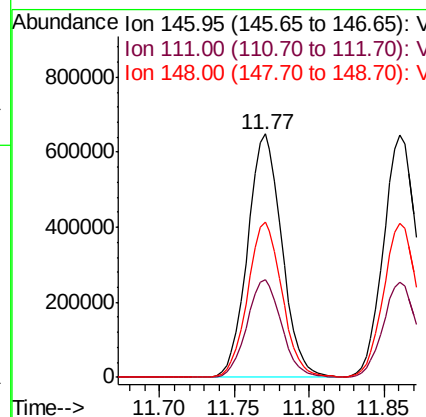
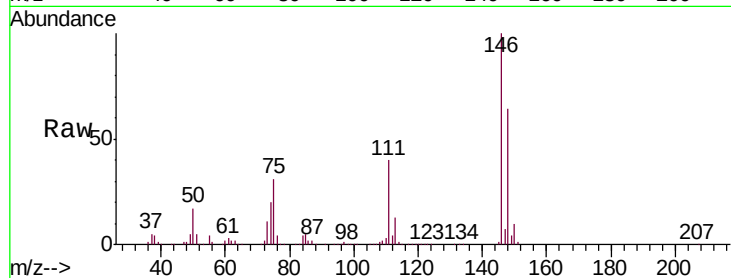




#62
 1,3-Dichlorobenzene
 Concen: 19.588 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

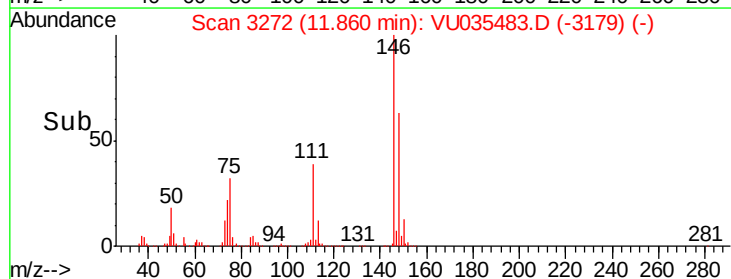
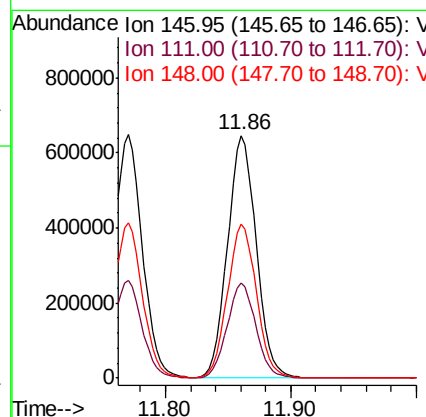
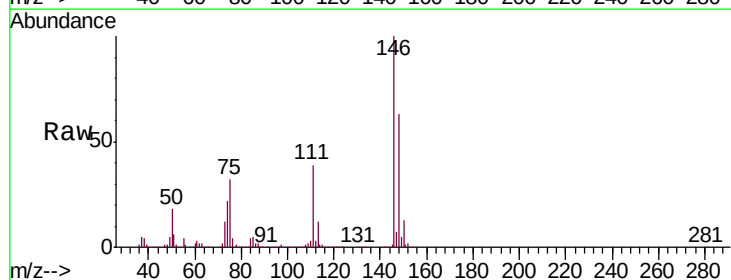
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

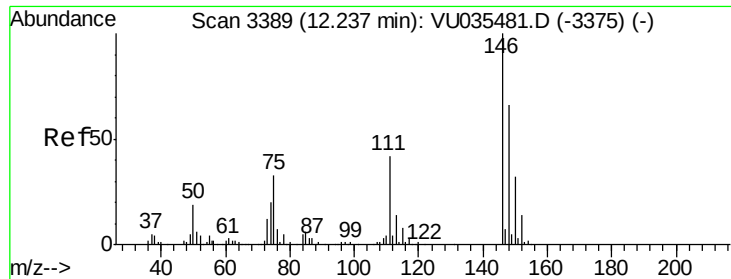
Tgt Ion:146 Resp: 1034726
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.1 52.3
 148 64.0 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 19.796 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Tgt Ion:146 Resp: 1027036
 Ion Ratio Lower Upper
 146 100
 111 39.2 26.9 49.9
 148 63.5 44.2 82.2

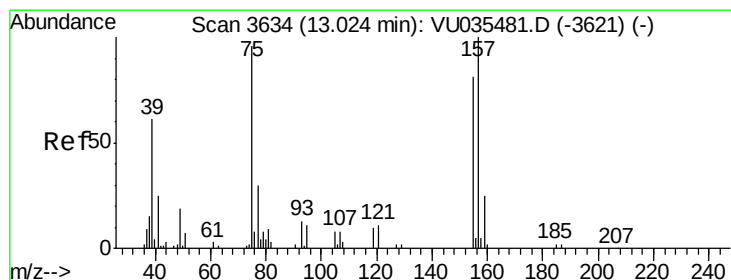
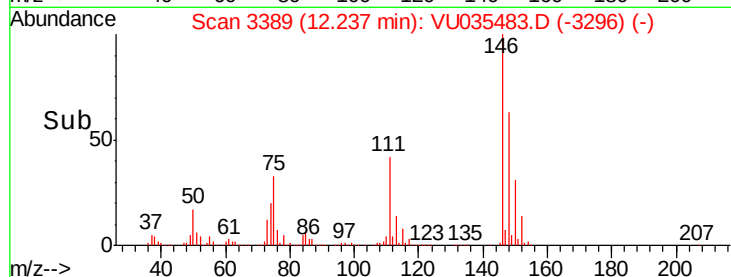
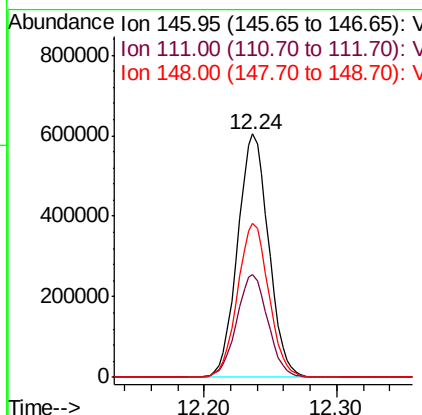
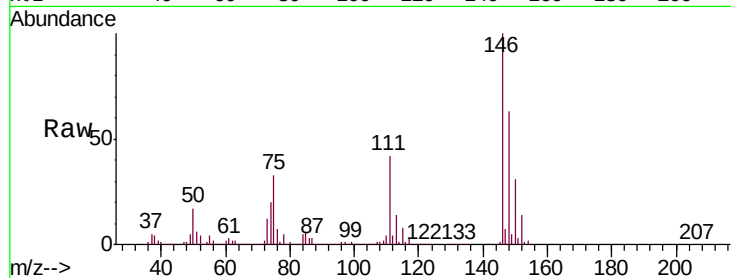




#65
 1,2-Dichlorobenzene
 Concen: 19.756 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

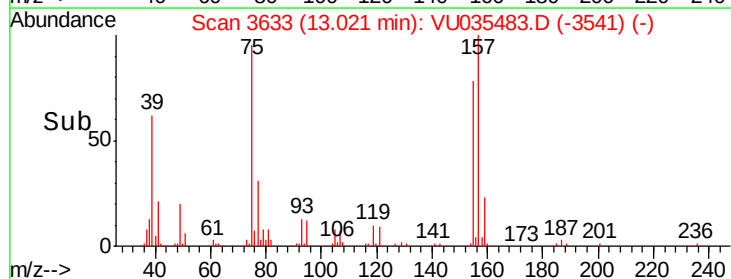
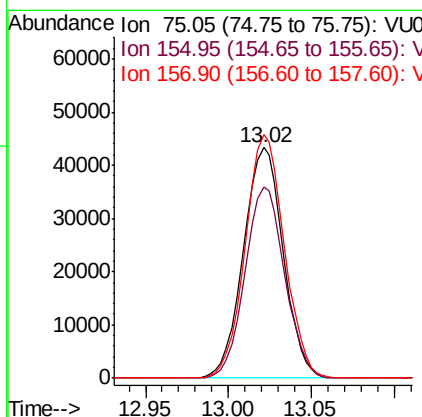
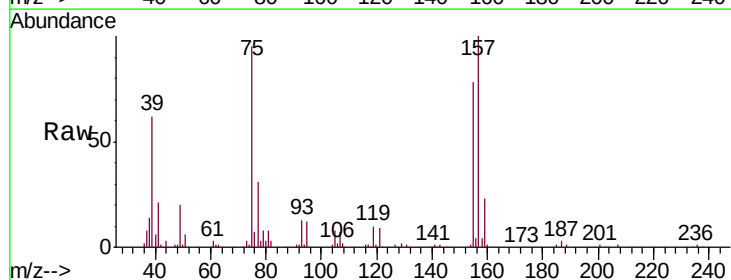
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

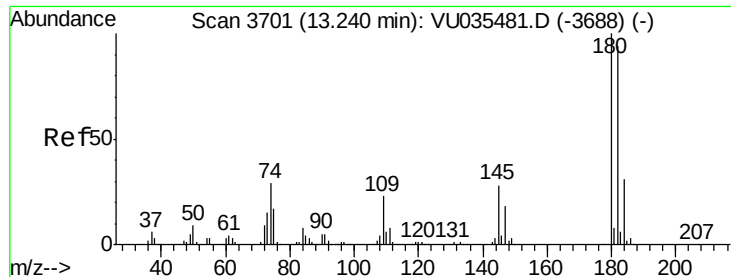
Tgt Ion: 146 Resp: 978778
 Ion Ratio Lower Upper
 146 100
 111 42.2 33.4 50.2
 148 63.4 52.7 79.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.593 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Tgt Ion: 75 Resp: 72154
 Ion Ratio Lower Upper
 75 100
 155 82.9 67.1 100.7
 157 105.7 83.4 125.2

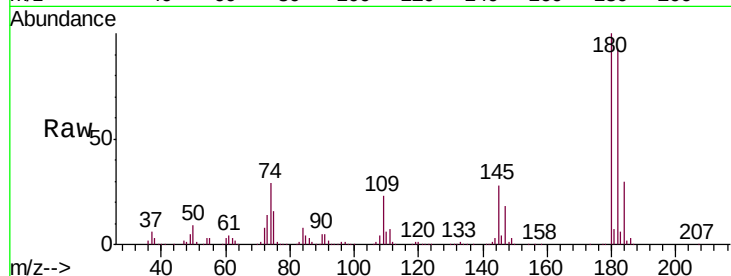




#67
 1,3,5-Trichlorobenzene
 Concen: 23.663 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.3	112.9
184	30.4	25.1	37.7
145	28.1	21.8	32.8



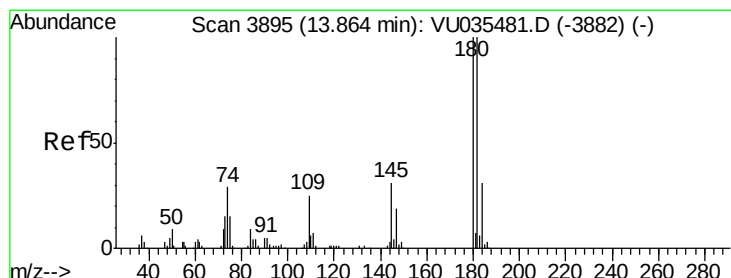
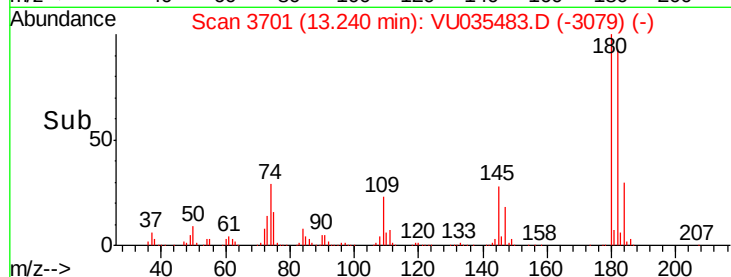
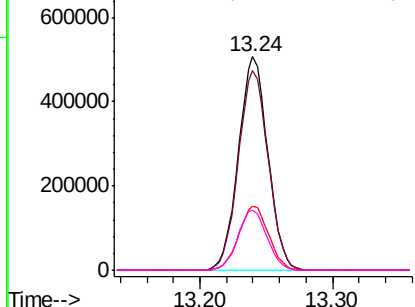
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

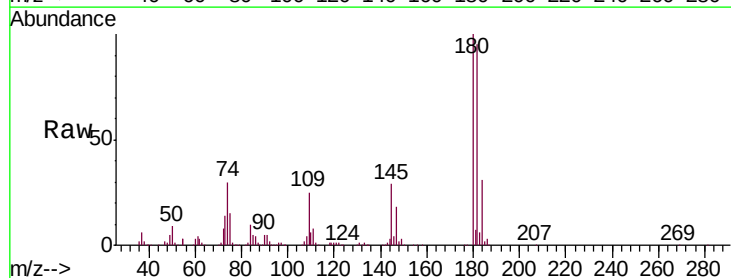
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.008 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035483.D
 Acq: 25 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.7	118.1
145	28.9	23.4	35.2

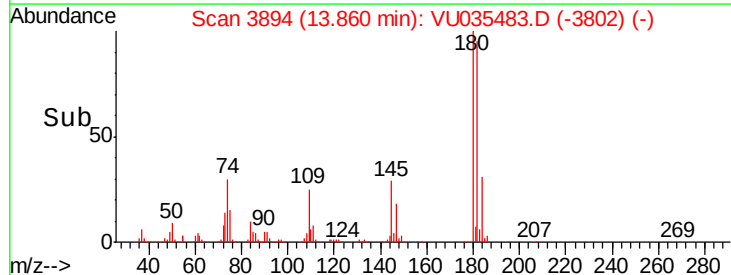
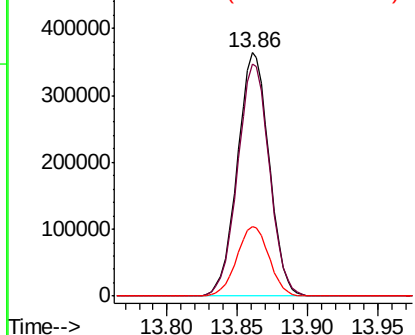


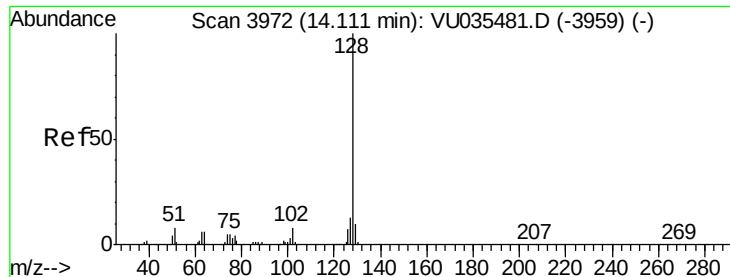
Abundance

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: 29.132 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

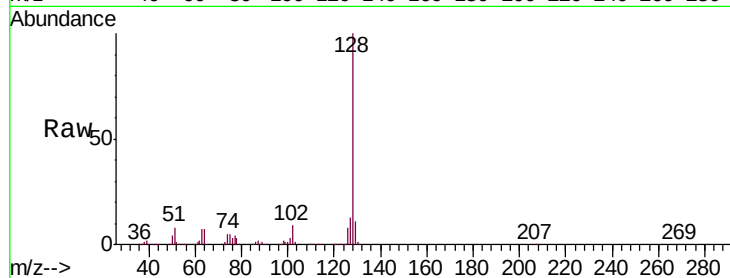
Tgt Ion:128 Resp: 854952

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

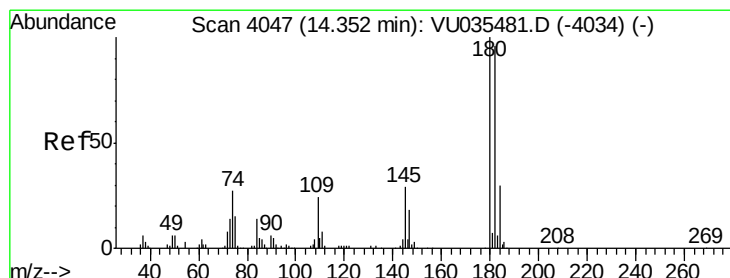
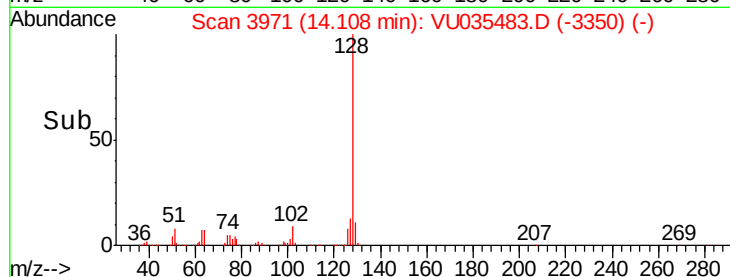
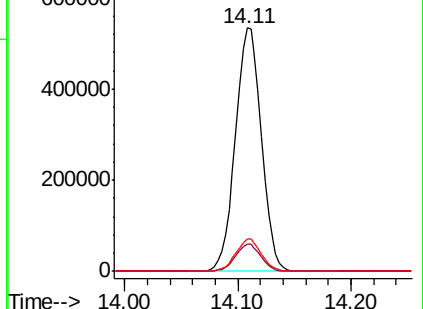
127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.017 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035483.D

Acq: 25 Oct 2019 12:33

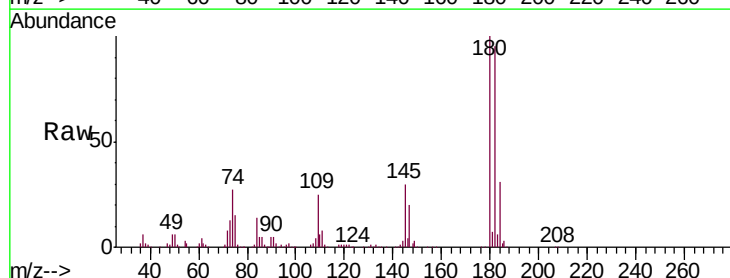
Tgt Ion:180 Resp: 526472

Ion Ratio Lower Upper

180 100

182 95.5 76.6 114.8

145 30.5 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

