

Data File : VU036683.D
Acq On : 06 Feb 2020 13:04
Operator : JC/MD
Sample : VSTD20035
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD200105

Quant Time: Feb 07 04:33:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 04:29:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258658	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	250559	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	121765	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	360955	155.77	ug/L	0.00
7) Chloroethane-d5	1.91	69	326490	149.19	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.59	63	682116	175.95	ug/L	0.00
21) 2-Butanone-d5	4.68	46	654284	483.92	ug/L	0.00
24) Chloroform-d	5.11	84	667653	180.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	440459	189.25	ug/L	0.00
32) Benzene-d6	5.77	84	1348085	191.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	450758	195.84	ug/L	0.00
41) Toluene-d8	7.93	98	1261524	193.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	228863	208.97	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	560694	566.06	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	710275	214.81	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	457122	189.36	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	359754	148.318	ug/L	99
3) Chloromethane	1.54	50	436414	169.276	ug/L	99
5) Vinyl chloride	1.62	62	461717	165.905	ug/L	99
6) Bromomethane	1.85	94	294700	152.605	ug/L	98
8) Chloroethane	1.93	64	285973	142.506	ug/L	99
9) Trichlorofluoromethane	2.15	101	548348	154.791	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	322579	181.324	ug/L	99
12) 1,1-Dichloroethene	2.60	96	323136	183.043	ug/L	98
13) Acetone	2.66	43	550960	420.678	ug/L	99
14) Carbon disulfide	2.82	76	974842	176.807	ug/L	100
15) Methyl Acetate	2.98	43	458386	213.669	ug/L	100
16) Methylene chloride	3.08	84	385509	190.089	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	344319	187.605	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	1185616	211.063	ug/L	100
19) 1,1-Dichloroethane	3.92	63	682688	192.085	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	397806	195.622	ug/L	97
22) 2-Butanone	4.76	43	732917	463.532	ug/L	100
23) Bromochloromethane	5.02	128	182428	177.404	ug/L	98
25) Chloroform	5.13	83	656287	178.725	ug/L	99
27) 1,2-Dichloroethane	5.84	62	548836	191.174	ug/L	99
29) Cyclohexane	5.43	56	632921	223.556	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	533225	176.803	ug/L	100
31) Carbon tetrachloride	5.56	117	433657	164.519	ug/L	99
33) Benzene	5.82	78	1496430	195.611	ug/L	100
34) Trichloroethene	6.58	95	375469	186.903	ug/L	98
35) Methylcyclohexane	6.80	83	648708	216.223	ug/L	99
37) 1,2-Dichloropropane	6.83	63	407646	195.346	ug/L	99
38) Bromodichloromethane	7.14	83	512238	191.964	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	683603	219.805	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	1352727	494.716	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1638163	202.920	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	607988	215.421	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	371036	189.022	ug/L	98
46) Tetrachloroethene	8.58	164	253260	165.183	ug/L	98
48) 2-Hexanone	8.72	43	1116603	530.285	ug/L	100
49) Dibromochloromethane	8.84	129	386365	180.730	ug/L	99
50) 1,2-Dibromoethane	8.96	107	404743	197.675	ug/L	99
51) Chlorobenzene	9.47	112	993870	191.038	ug/L	99
52) Ethylbenzene	9.60	91	1837097	214.520	ug/L	100
53) m,p-Xylene	9.72	106	681263	214.224	ug/L	100
54) o-xylene	10.13	106	676927	216.173	ug/L	99
55) Styrene	10.14	104	1196365	226.236	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	709875	213.057	ug/L	100
59) Bromoform	10.32	173	287268	187.995	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	562695	220.878	ug/L	99
61) Isopropylbenzene	10.51	105	1778932	227.520	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	1569861	245.899	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	1572893	248.780	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	771850	204.116	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	777288	201.090	ug/L	100
67) 1,2-Dichlorobenzene	12.23	146	770629	200.363	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	173848	242.502	ug/L	96
69) 1,3,5-Trichlorobenzene	13.24	180	546833	194.545	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	490098	211.199	ug/L	99
71) Naphthalene	14.10	128	1880118	262.847	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	477715	199.250	ug/L	98

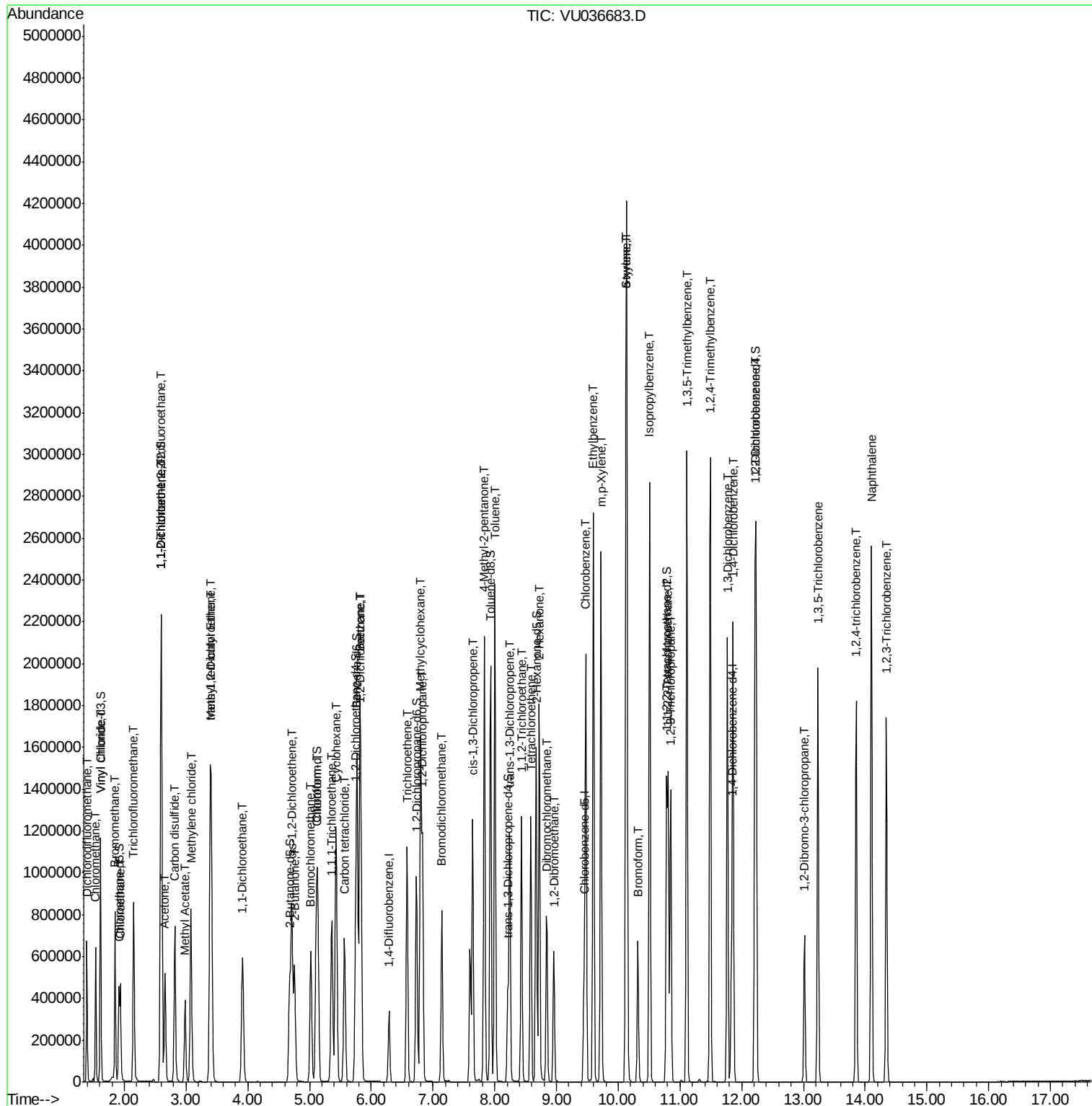
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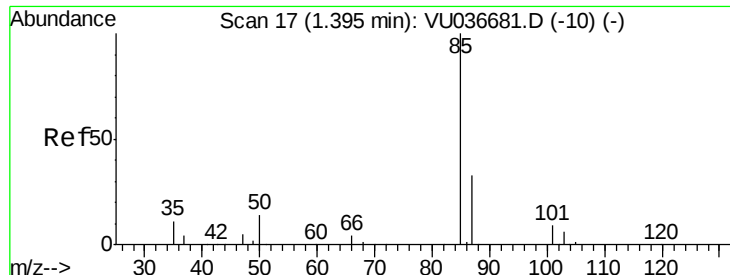
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#2

Dichlorodifluoromethane

Concen: 148.318 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

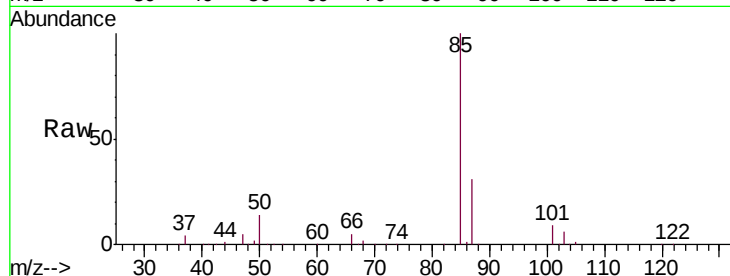
VSTD200105

Tgt Ion: 85 Resp: 359754

Ion Ratio Lower Upper

85 100

87 31.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036683.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036683.D (-10) (-)

1.39

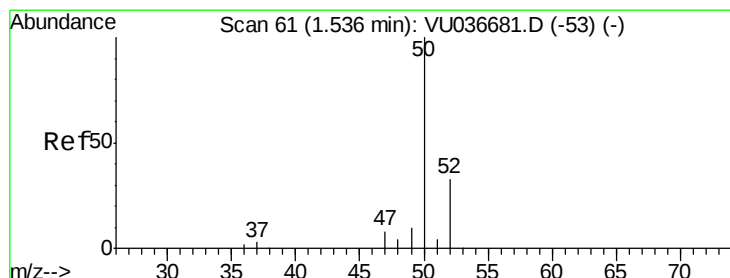
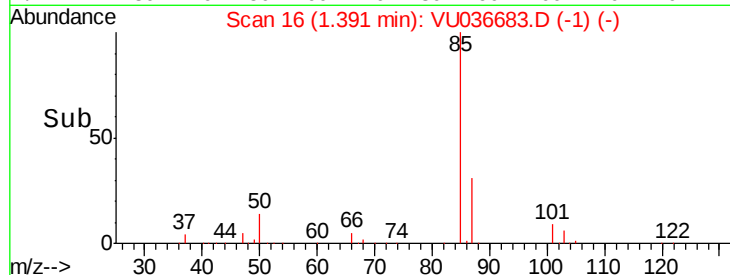
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 169.276 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036683.D

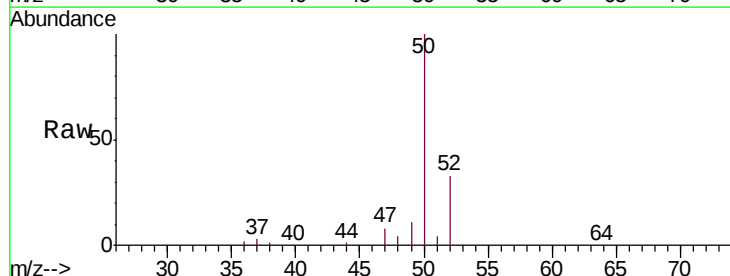
Acq: 06 Feb 2020 13:04

Tgt Ion: 50 Resp: 436414

Ion Ratio Lower Upper

50 100

52 33.1 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036683.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036683.D (-53) (-)

1.54

400000

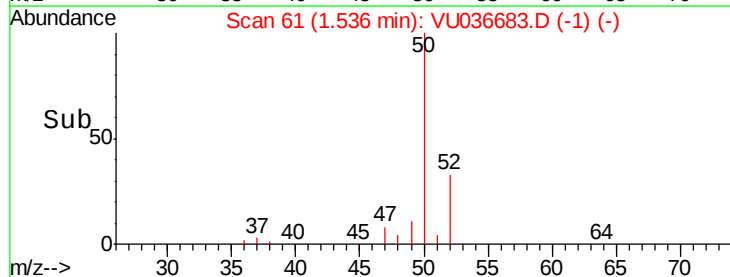
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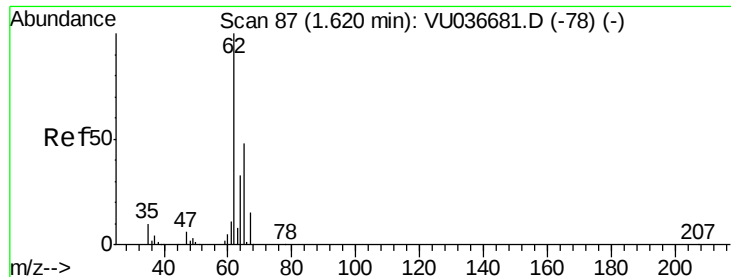
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 165.905 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

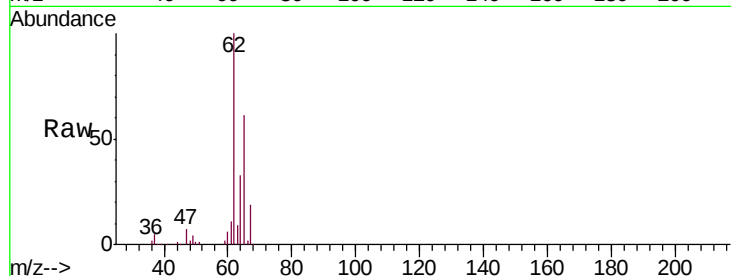
VSTD200105

Tgt Ion: 62 Resp: 461717

Ion Ratio Lower Upper

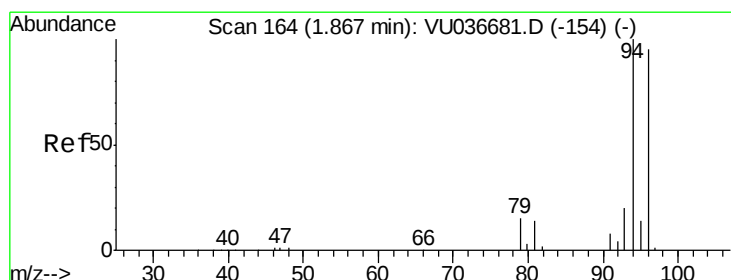
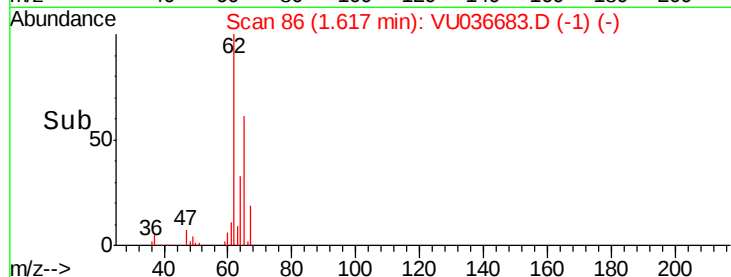
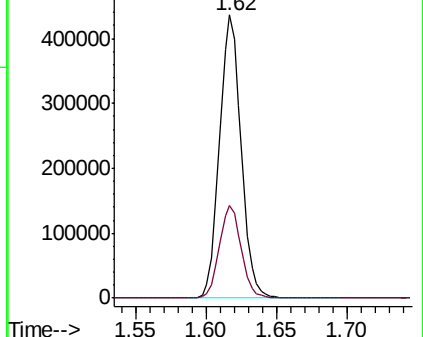
62 100

64 32.9 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU036683.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036683.D (-1) (-)



#6

Bromomethane

Concen: 152.605 ug/L

RT: 1.85 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU036683.D

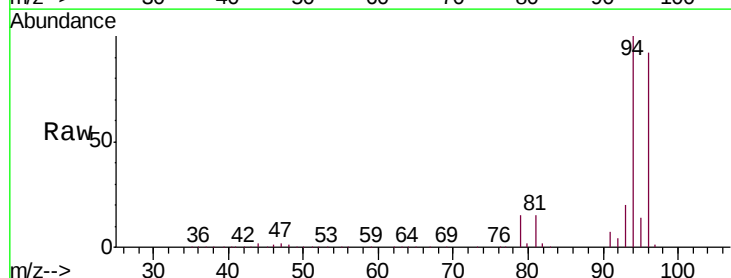
Acq: 06 Feb 2020 13:04

Tgt Ion: 94 Resp: 294700

Ion Ratio Lower Upper

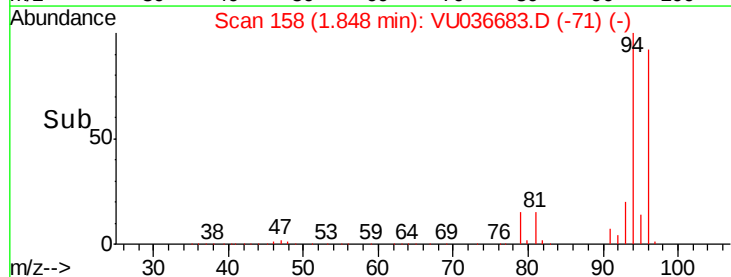
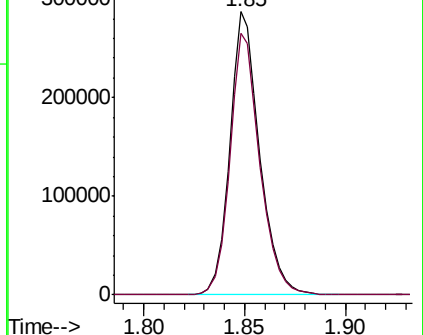
94 100

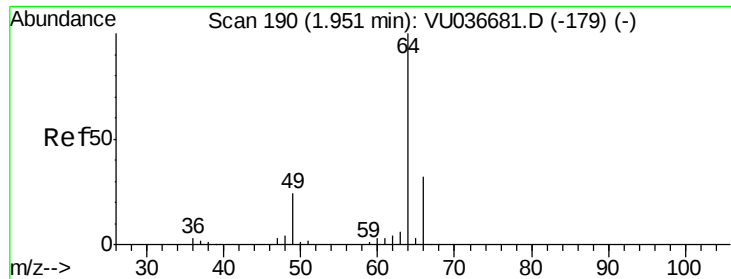
96 92.4 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036683.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU036683.D (-71) (-)





#8

Chloroethane

Concen: 142.506 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.02 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

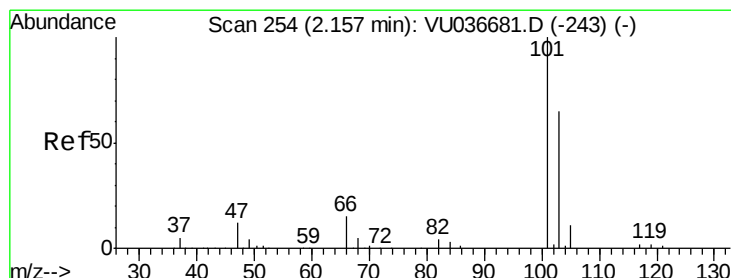
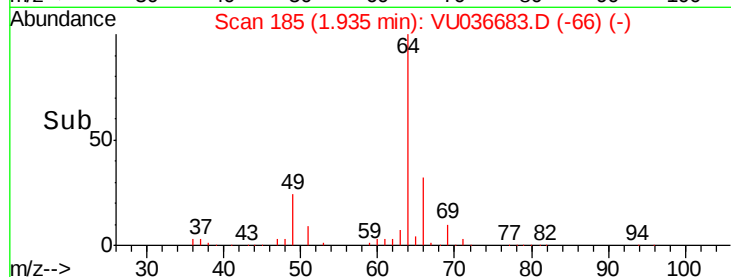
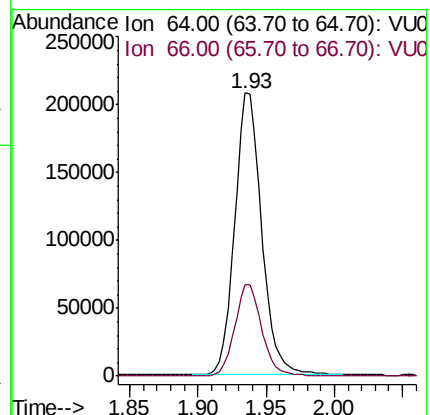
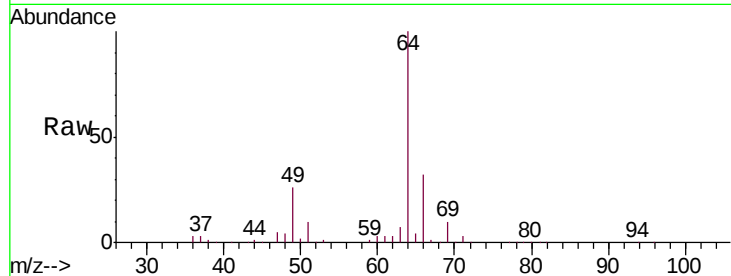
VSTD200105

Tgt Ion: 64 Resp: 285973

Ion Ratio Lower Upper

64 100

66 32.3 22.1 41.1



#9

Trichlorofluoromethane

Concen: 154.791 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.01 min

Lab File: VU036683.D

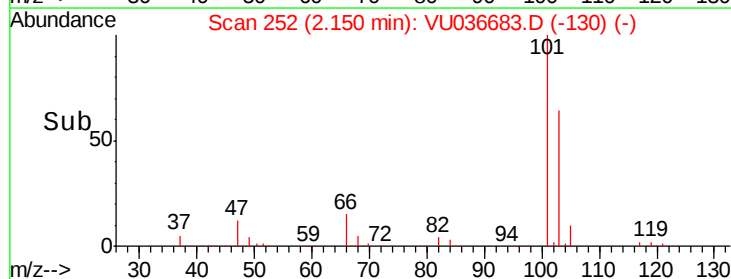
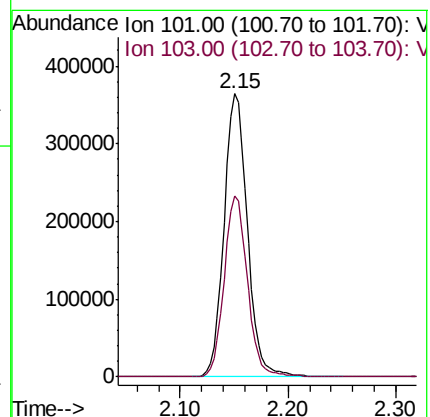
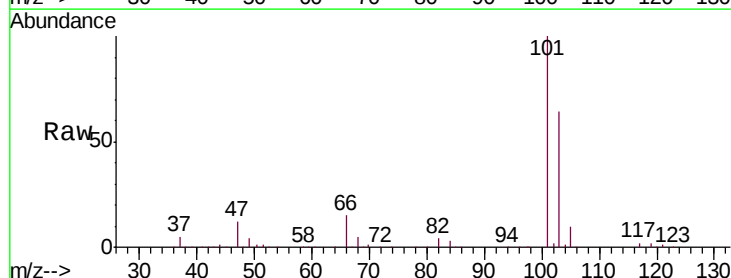
Acq: 06 Feb 2020 13:04

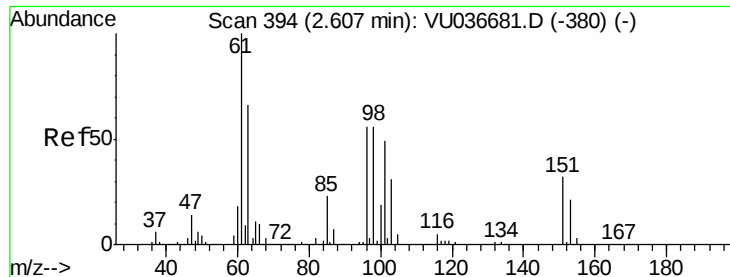
Tgt Ion: 101 Resp: 548348

Ion Ratio Lower Upper

101 100

103 63.8 51.6 77.4





#10

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

Concen: 181.324 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200105

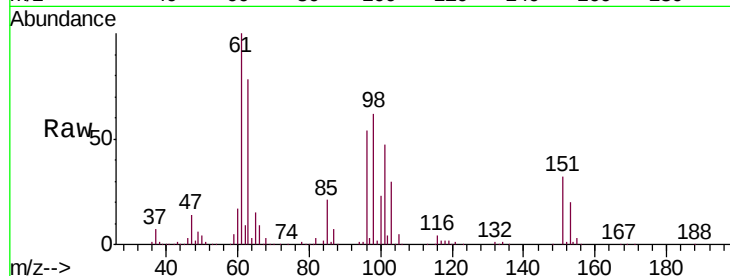
Tgt Ion: 101 Resp: 322579

Ion Ratio Lower Upper

101 100

85 45.0 36.5 54.7

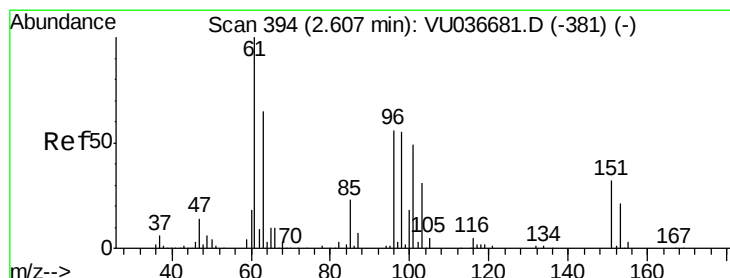
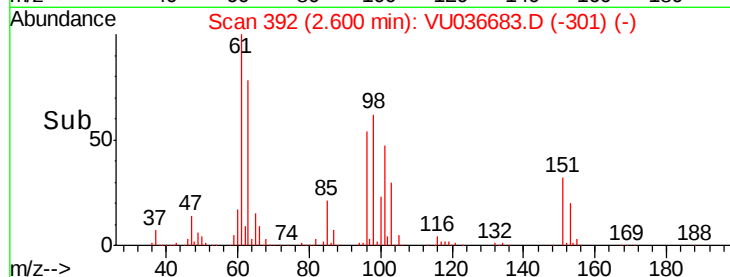
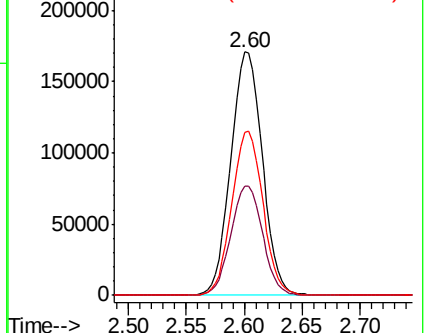
151 66.4 52.6 78.8



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: 183.043 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

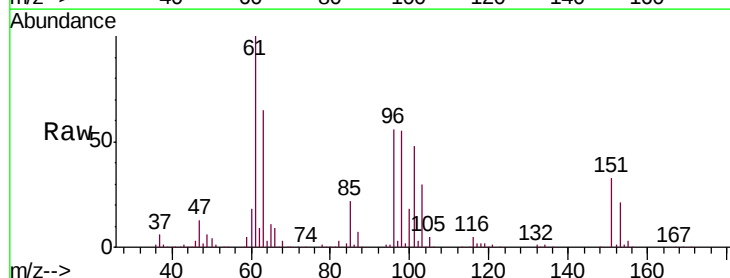
Tgt Ion: 96 Resp: 323136

Ion Ratio Lower Upper

96 100

61 179.0 124.4 231.0

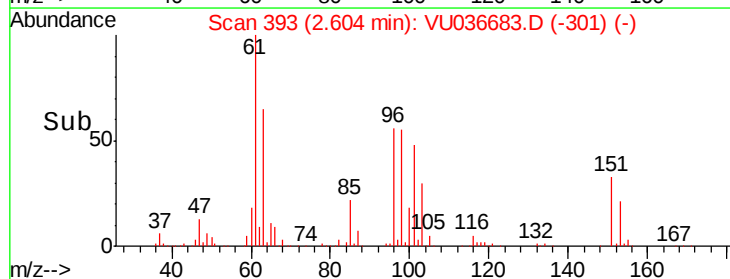
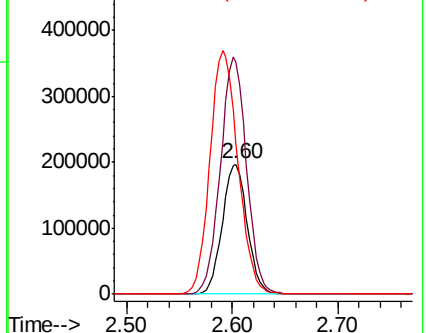
63 115.7 83.4 155.0

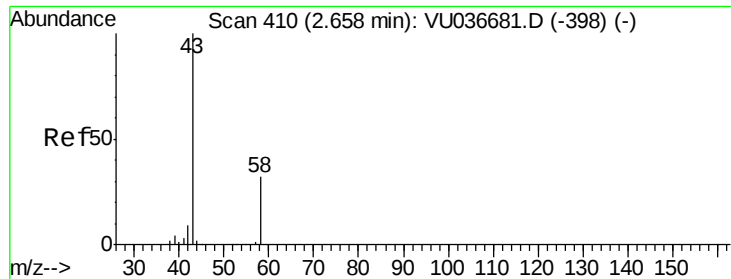


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 420.678 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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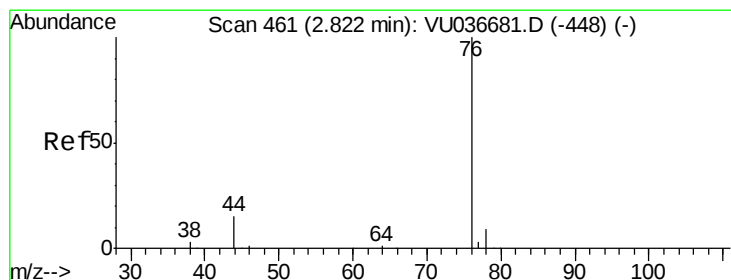
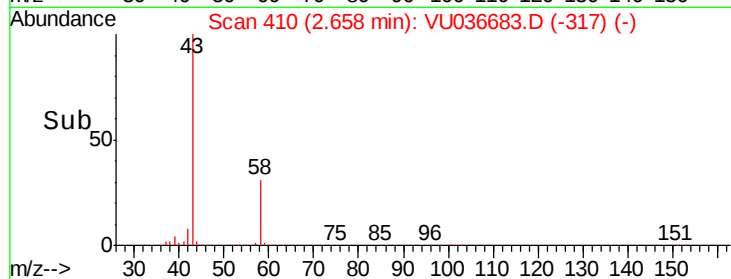
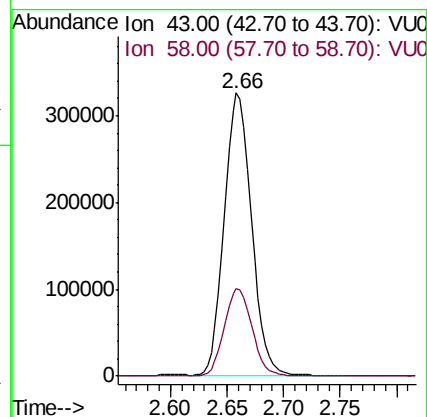
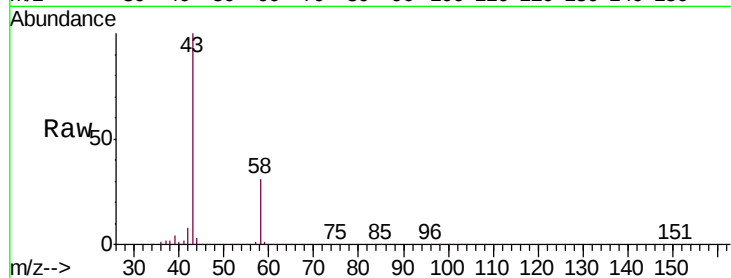
VSTD200105

Tgt Ion: 43 Resp: 550960

Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.0



#14

Carbon disulfide

Concen: 176.807 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036683.D

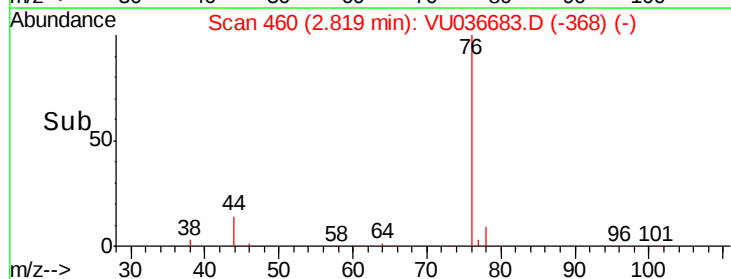
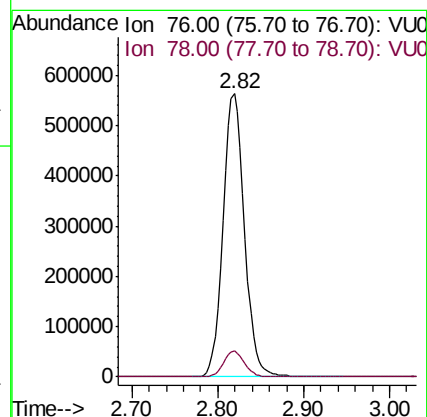
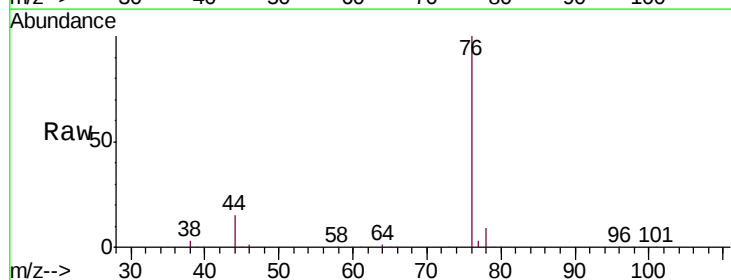
Acq: 06 Feb 2020 13:04

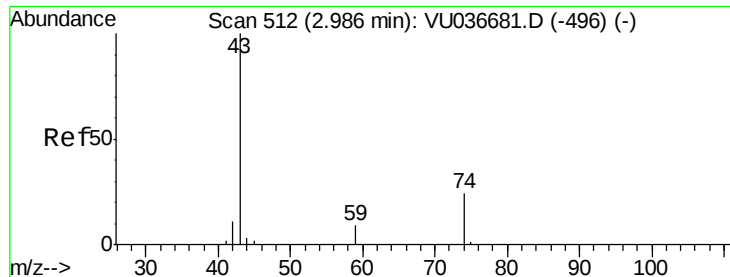
Tgt Ion: 76 Resp: 974842

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 213.669 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

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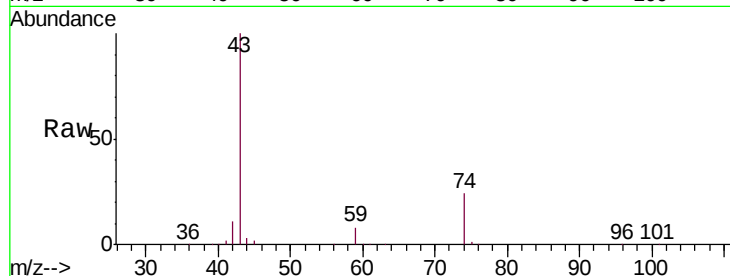
VSTD200105

Tgt Ion: 43 Resp: 458386

Ion Ratio Lower Upper

43 100

74 23.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU036683.D (-419) (-)

Ion 74.00 (73.70 to 74.70): VU036683.D (-419) (-)

2.98

250000

200000

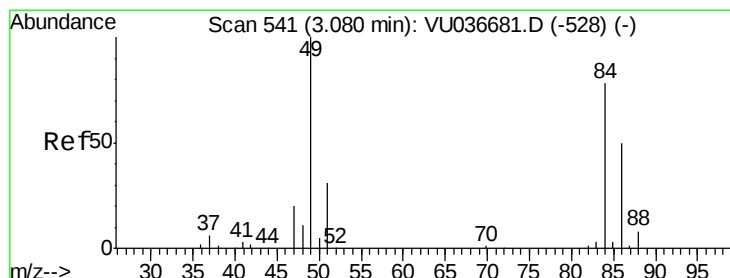
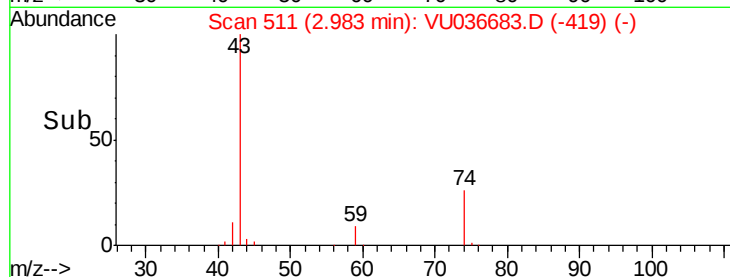
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 190.089 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

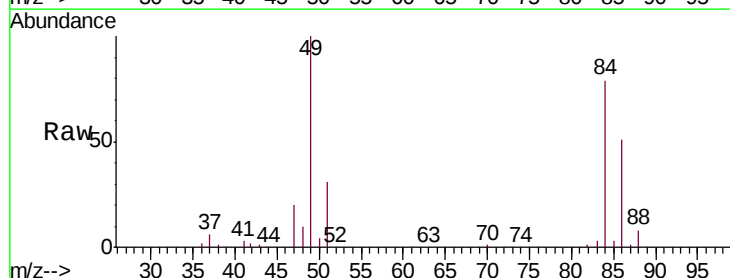
Tgt Ion: 84 Resp: 385509

Ion Ratio Lower Upper

84 100

86 64.8 44.4 82.5

49 126.5 89.2 165.8



Abundance Ion 84.00 (83.70 to 84.70): VU036683.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036683.D (-448) (-)

Ion 49.00 (48.70 to 49.70): VU036683.D (-448) (-)

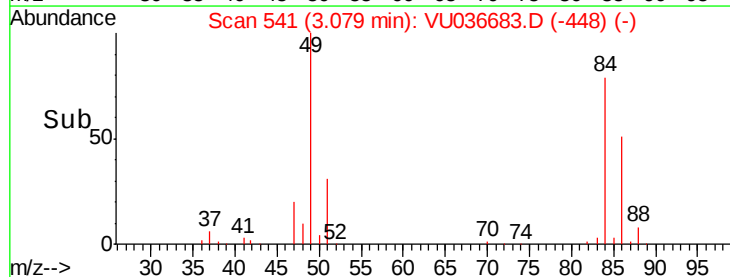
3.08

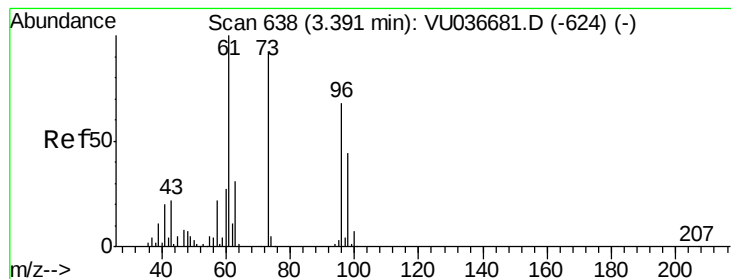
200000

100000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 187.605 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200105

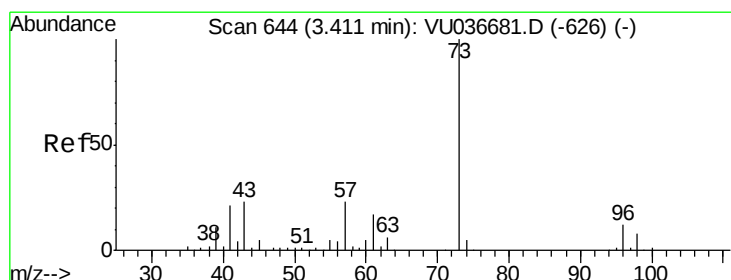
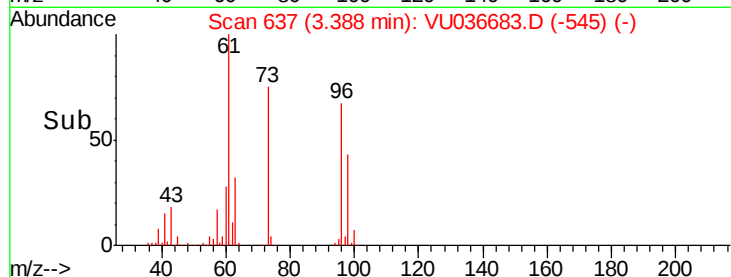
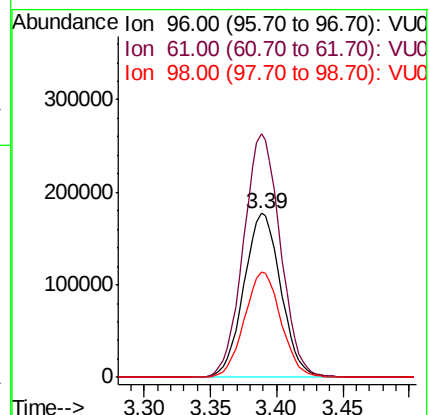
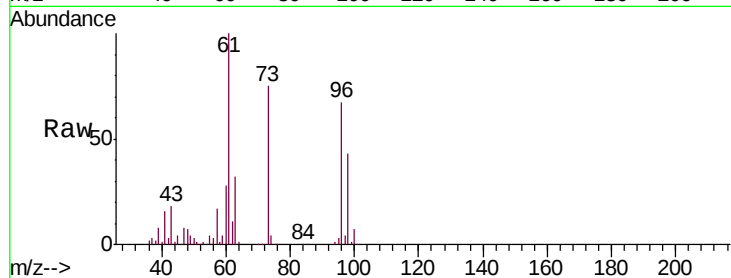
Tgt Ion: 96 Resp: 344319

Ion Ratio Lower Upper

96 100

61 148.6 103.4 192.0

98 64.2 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 211.063 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

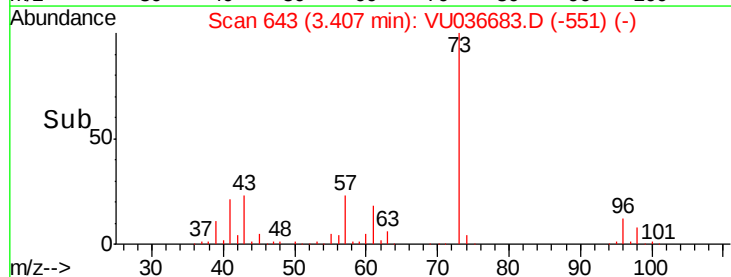
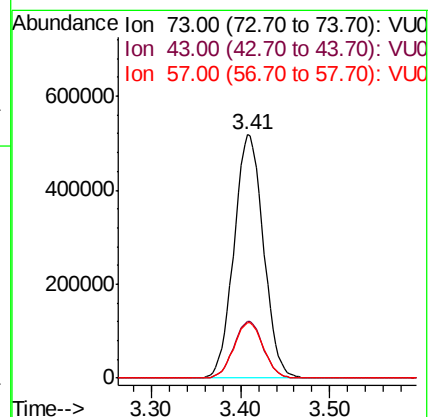
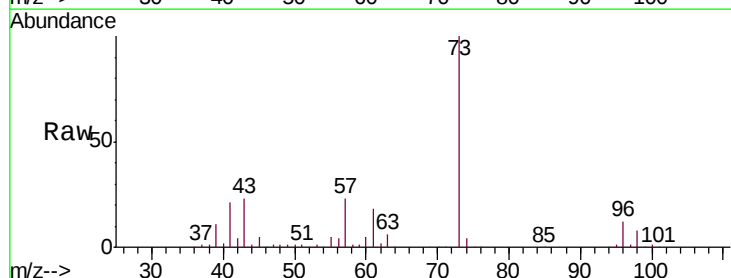
Tgt Ion: 73 Resp: 1185616

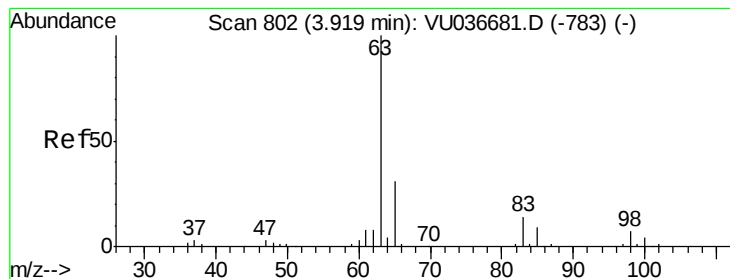
Ion Ratio Lower Upper

73 100

43 23.2 18.6 28.0

57 22.9 18.3 27.5





#19

1,1-Dichloroethane

Concen: 192.085 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200105

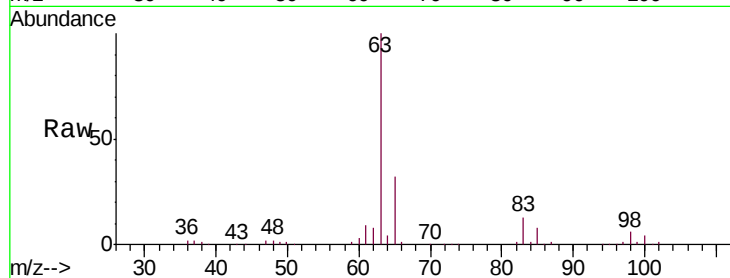
Tgt Ion: 63 Resp: 682688

Ion Ratio Lower Upper

63 100

65 31.7 22.0 40.8

83 13.1 10.1 18.7

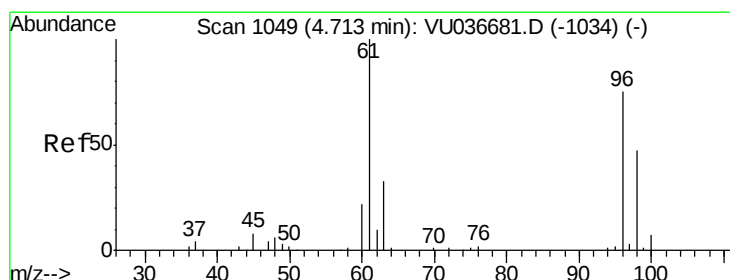
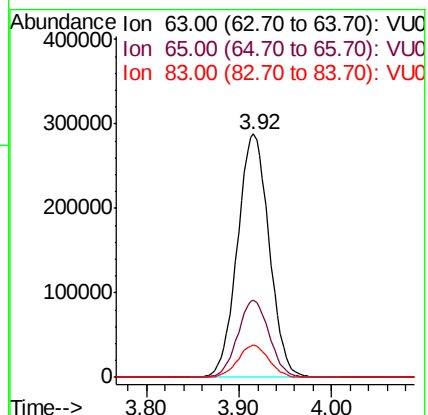
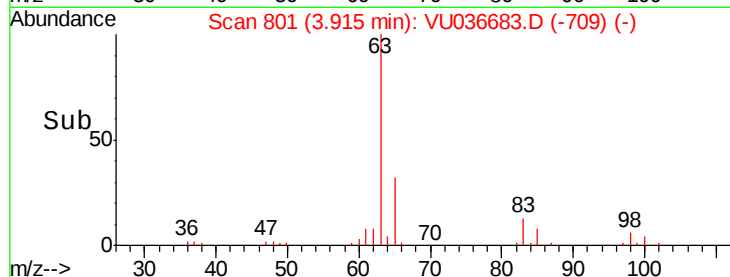


Abundance Ion 63.00 (62.70 to 63.70): VU036683.D (-783) (-)

Ion 65.00 (64.70 to 65.70): VU036683.D (-783) (-)

Ion 83.00 (82.70 to 83.70): VU036683.D (-783) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 195.622 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

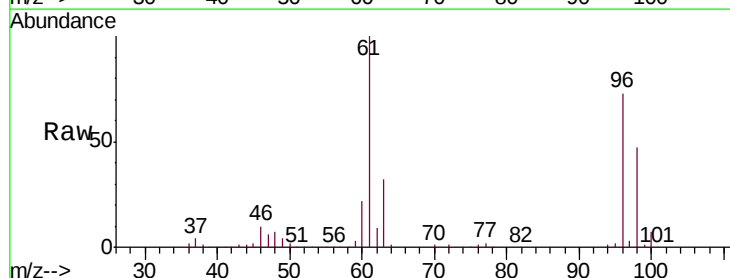
Tgt Ion: 96 Resp: 397806

Ion Ratio Lower Upper

96 100

61 136.5 93.3 173.3

68 0.0 0.0 0.0

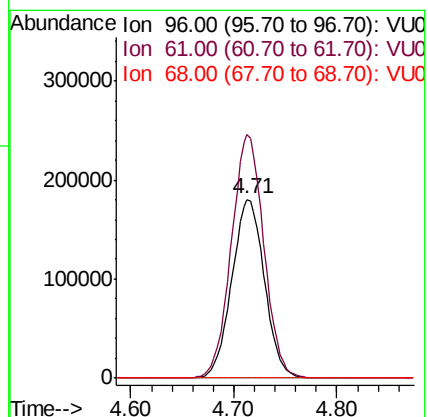
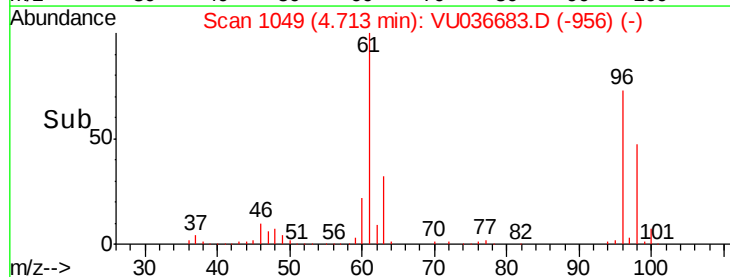


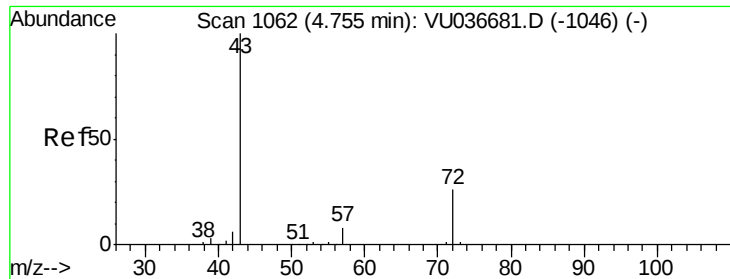
Abundance Ion 96.00 (95.70 to 96.70): VU036683.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036683.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036683.D (-956) (-)

Time-->





#22

2-Butanone

Concen: 463.532 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

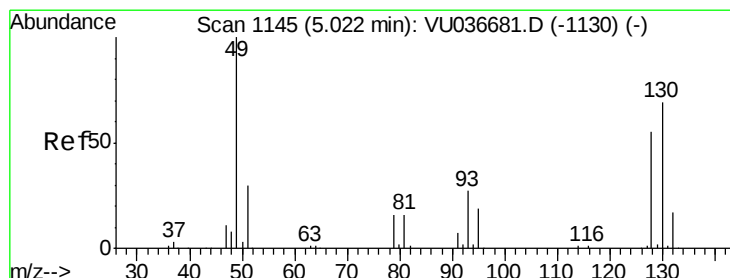
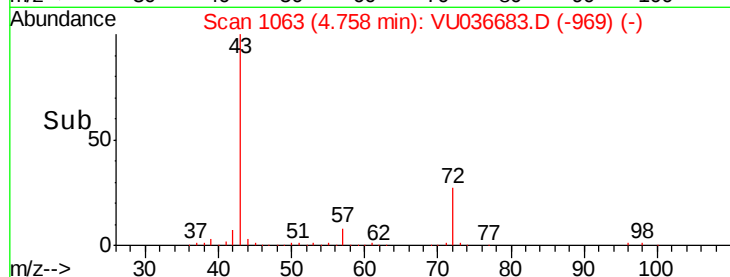
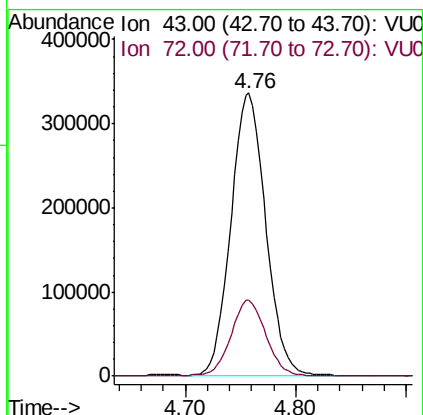
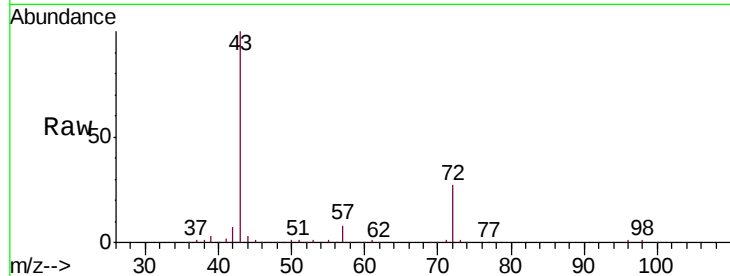
VSTD200105

Tgt Ion: 43 Resp: 732917

Ion Ratio Lower Upper

43 100

72 27.3 13.6 40.7



#23

Bromochloromethane

Concen: 177.404 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Tgt Ion: 128 Resp: 182428

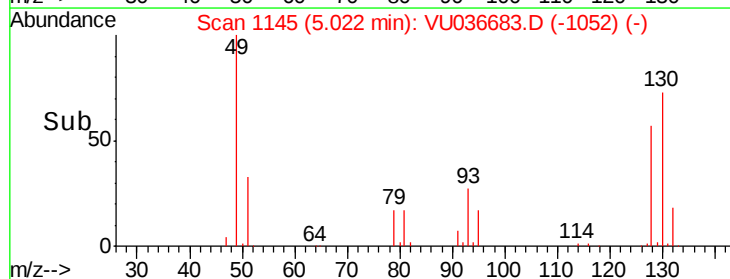
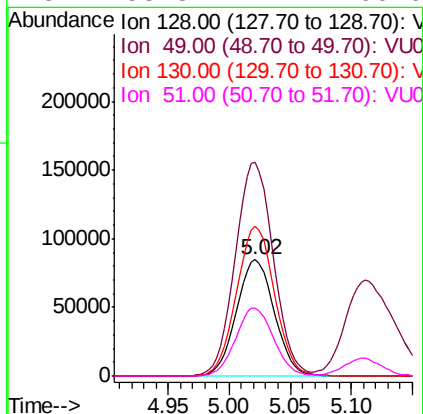
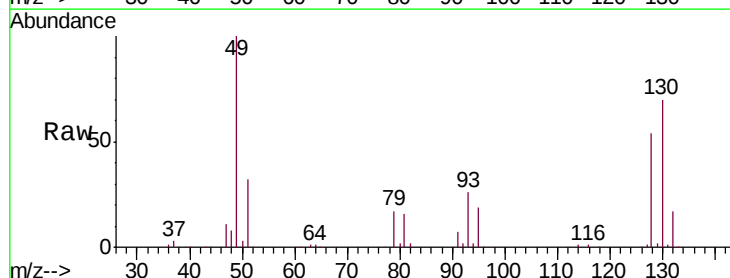
Ion Ratio Lower Upper

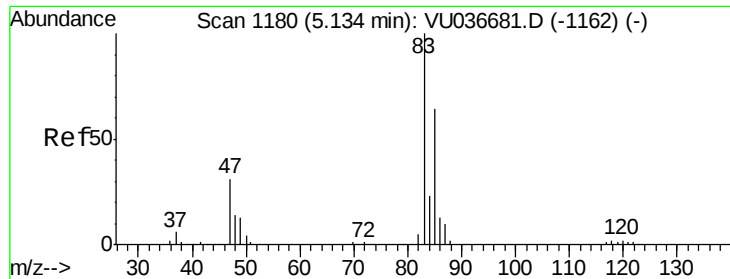
128 100

49 183.6 127.3 236.5

130 128.4 88.5 164.3

51 58.8 44.4 66.6

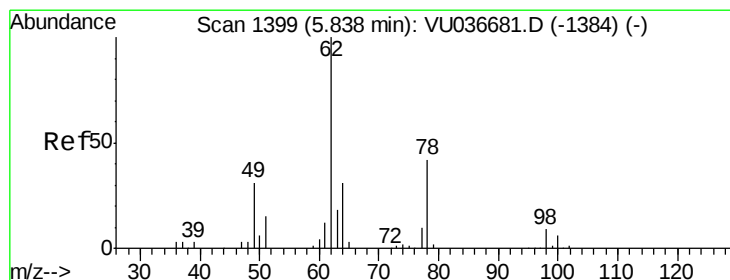
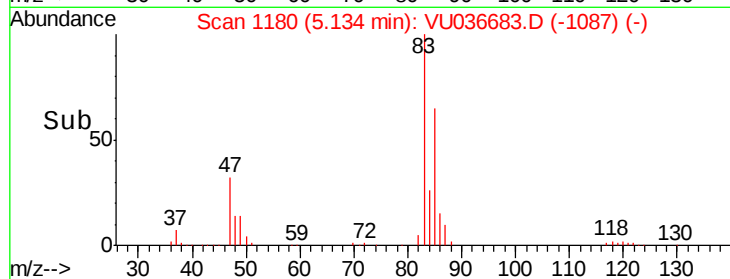
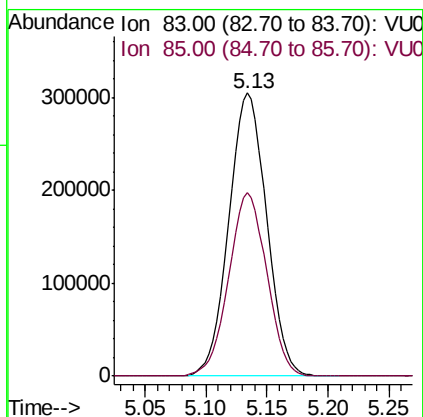
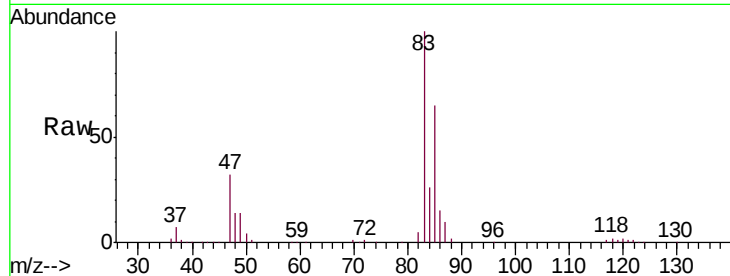




#25
Chloroform
Concen: 178.725 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

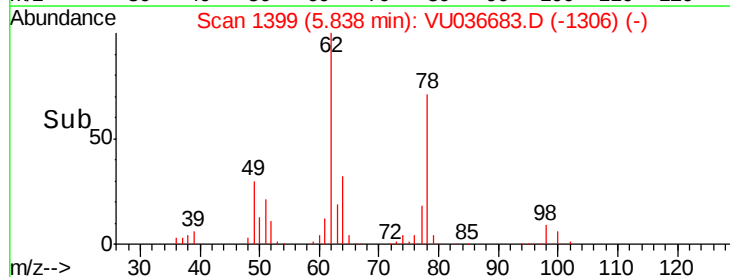
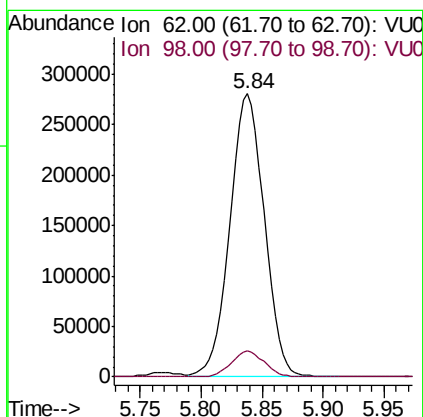
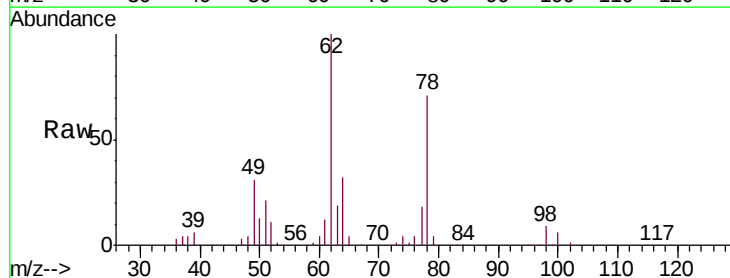
Instrument :
MSVOA_U
ClientSampleId :
VSTD200105

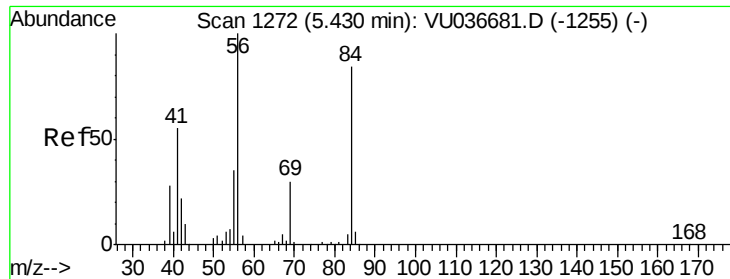
Tgt Ion: 83 Resp: 656287
Ion Ratio Lower Upper
83 100
85 64.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 191.174 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

Tgt Ion: 62 Resp: 548836
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.4

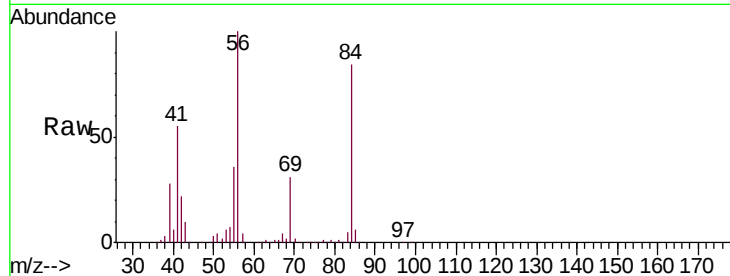




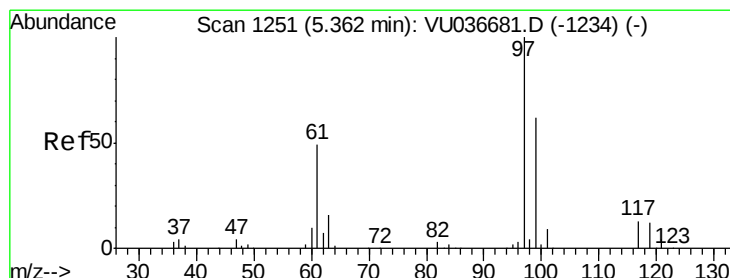
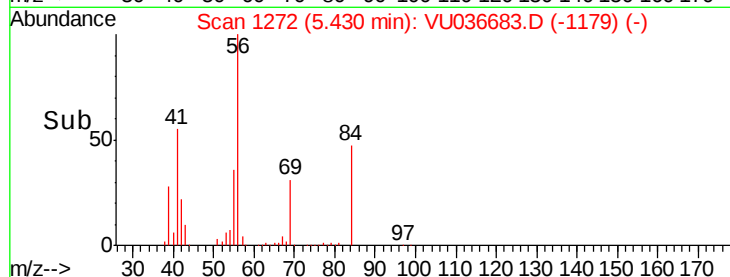
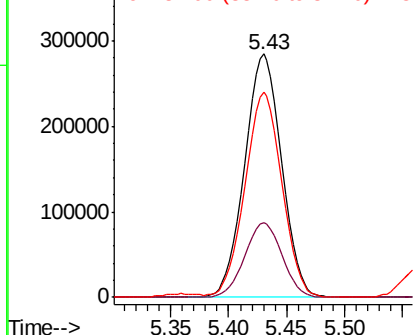
#29
Cyclohexane
Concen: 223.556 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD200105

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.0	37.4
84	84.0	68.2	102.2

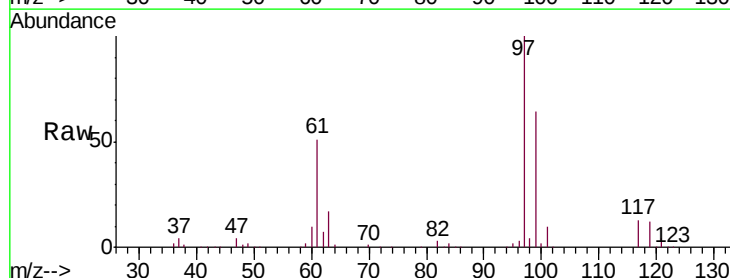


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

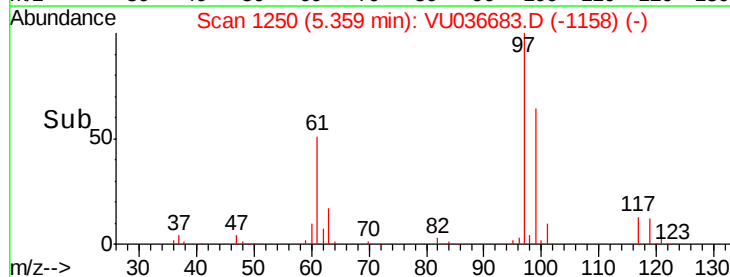
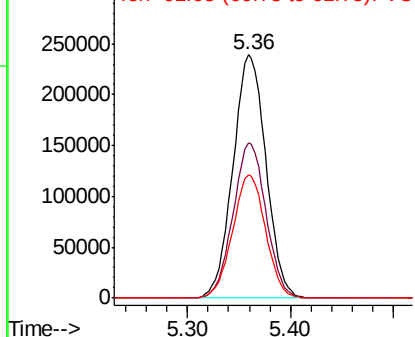


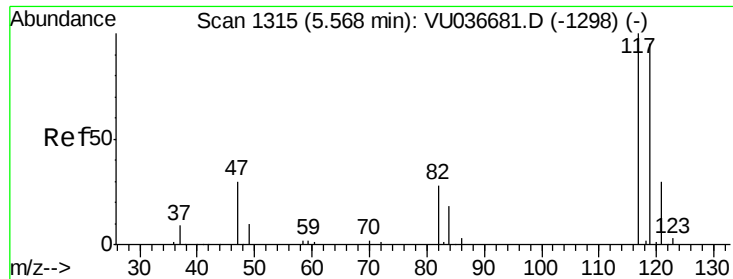
#30
1,1,1-Trichloroethane
Concen: 176.803 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	50.8	40.2	60.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 164.519 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

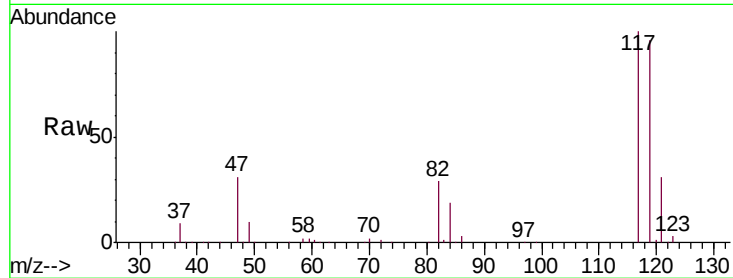
VSTD200105

Tgt Ion:117 Resp: 433657

Ion Ratio Lower Upper

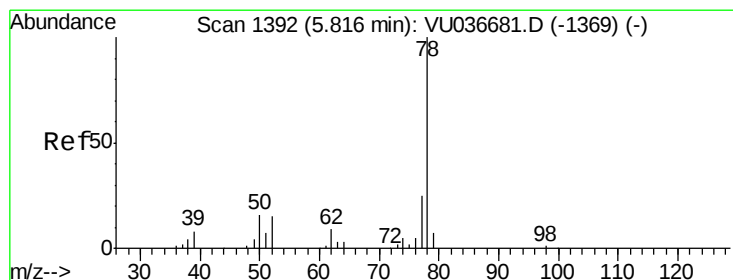
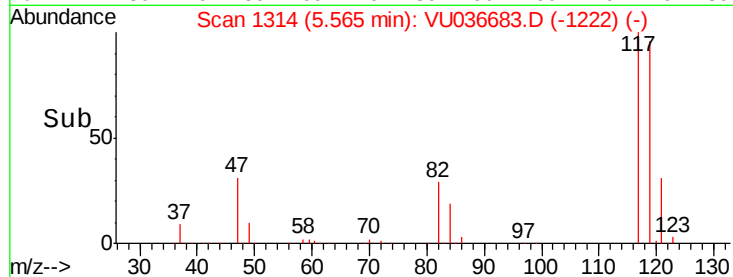
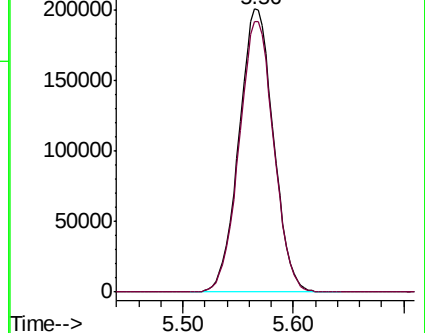
117 100

119 96.0 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 195.611 ug/L

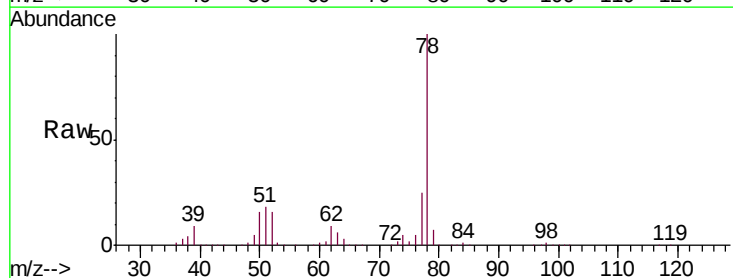
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

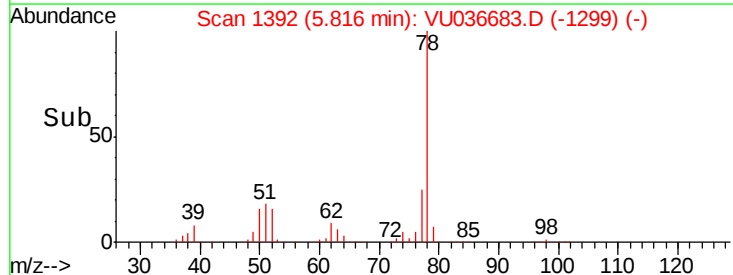
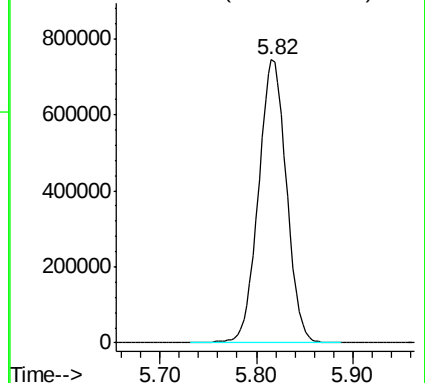
Lab File: VU036683.D

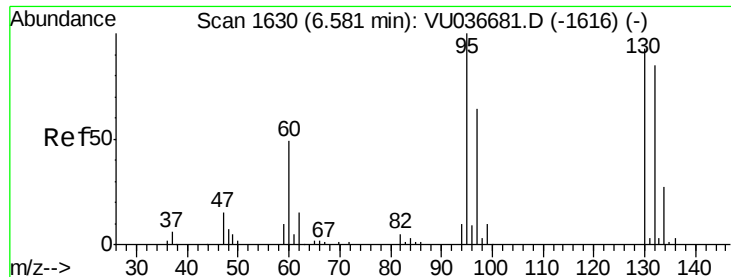
Acq: 06 Feb 2020 13:04

Tgt Ion: 78 Resp: 1496430



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 186.903 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200105

Tgt Ion: 95 Resp: 375469

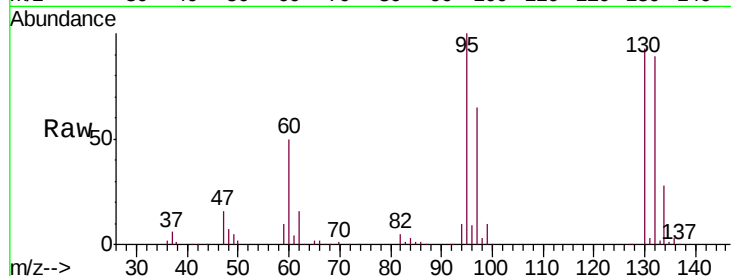
Ion Ratio Lower Upper

95 100

97 64.5 44.5 82.7

132 88.8 59.6 110.8

130 93.1 65.0 120.8

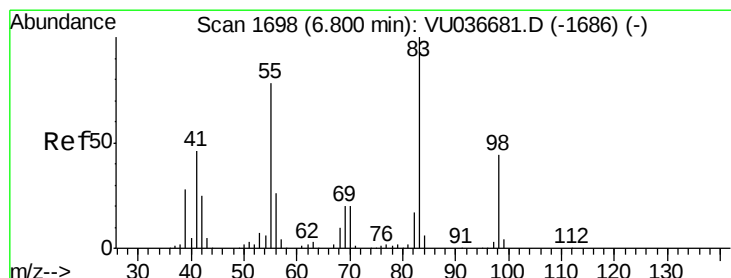
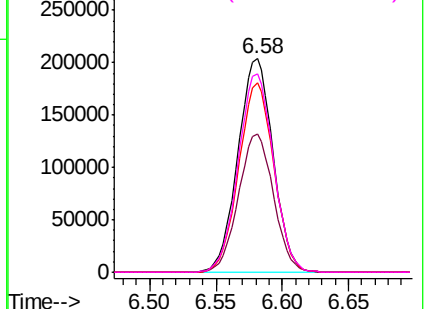
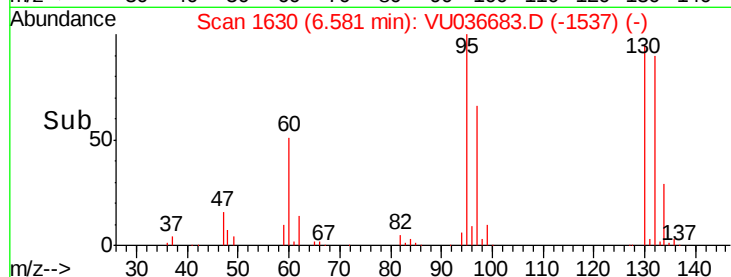


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 216.223 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

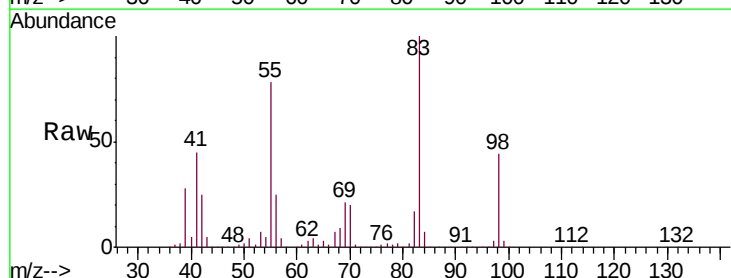
Tgt Ion: 83 Resp: 648708

Ion Ratio Lower Upper

83 100

55 77.5 61.2 91.8

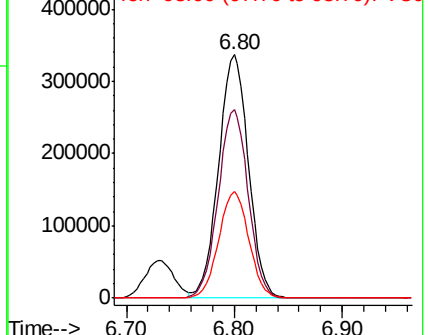
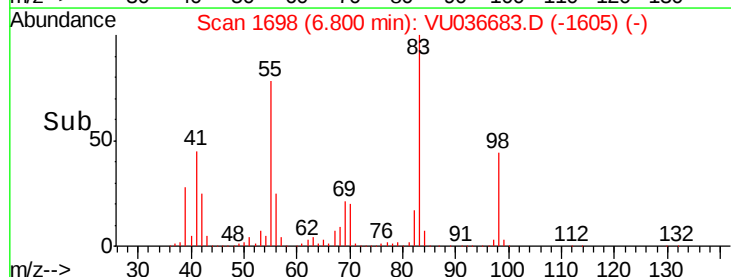
98 44.2 35.4 53.0

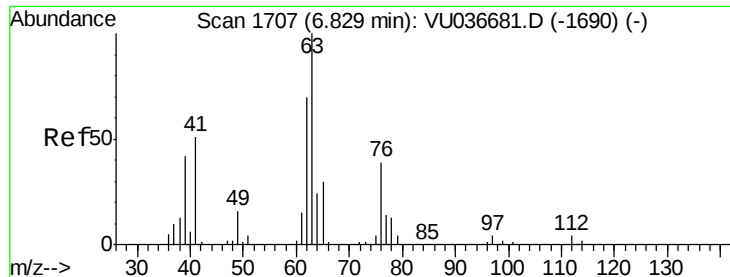


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

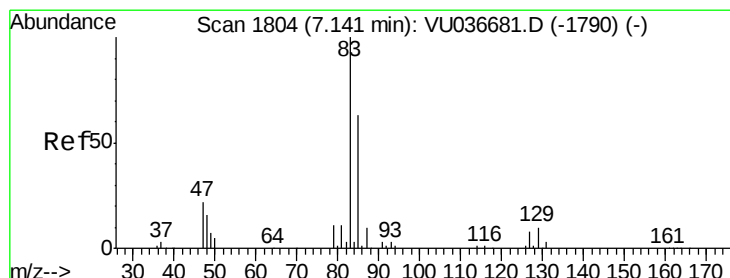
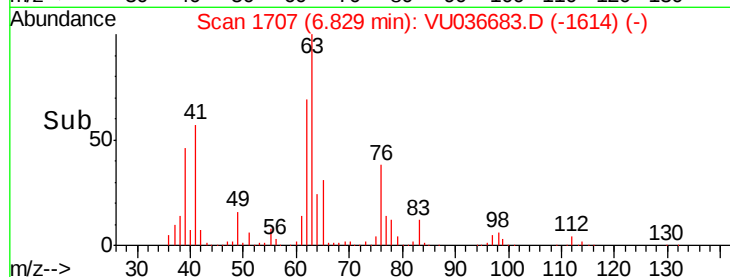
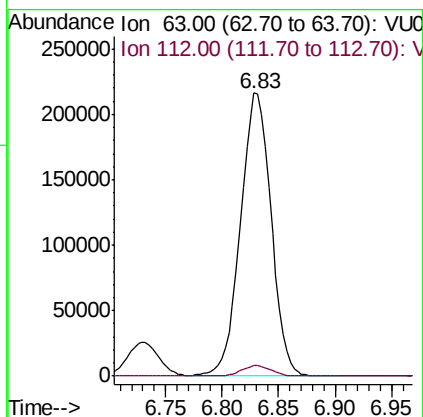
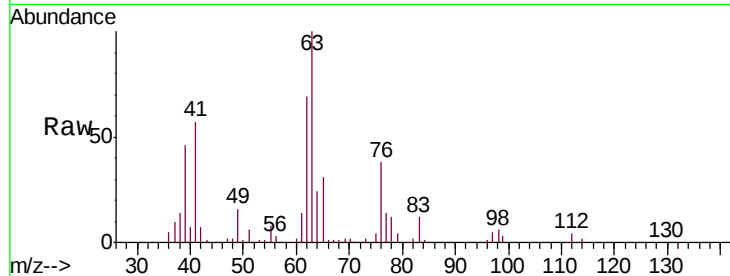




#37
 1,2-Dichloropropane
 Concen: 195.346 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

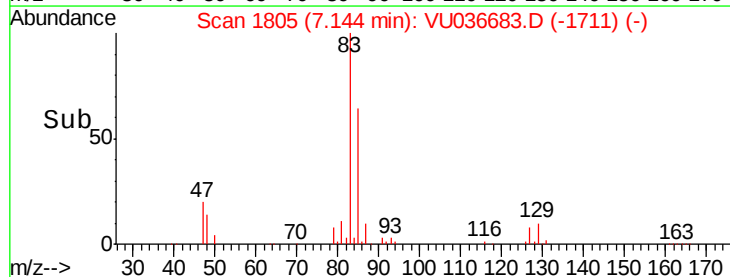
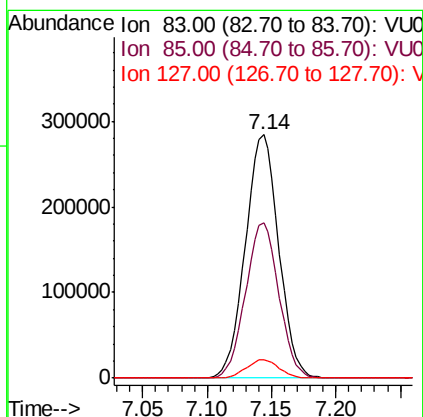
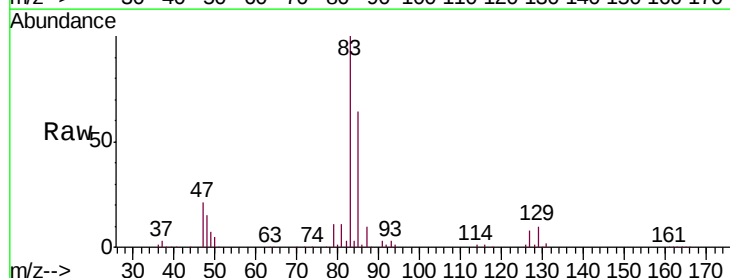
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200105

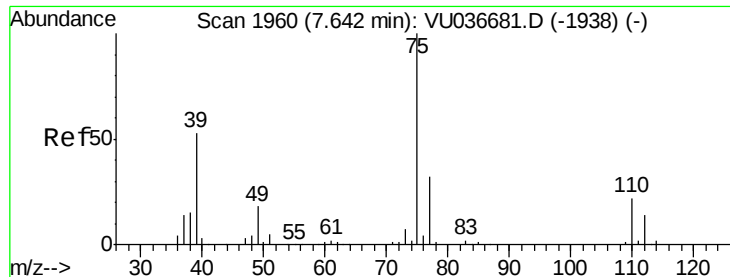
Tgt Ion: 63 Resp: 407646
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 191.964 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

Tgt Ion: 83 Resp: 512238
 Ion Ratio Lower Upper
 83 100
 85 63.6 43.9 81.5
 127 7.5 6.0 9.0

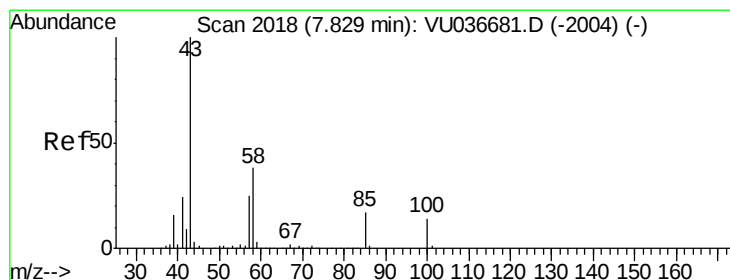
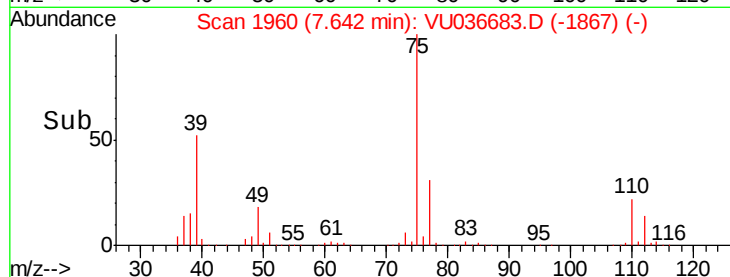
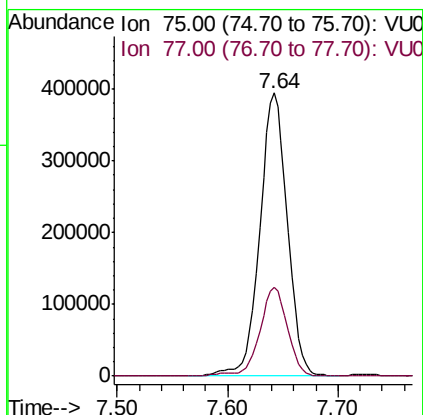
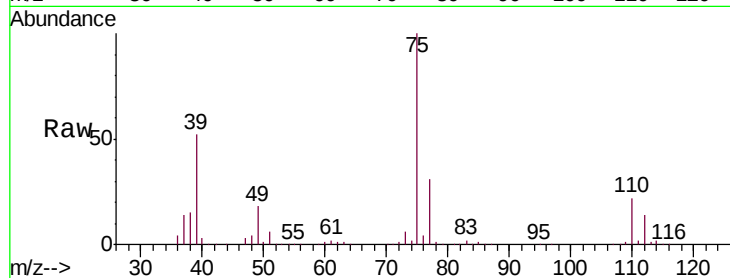




#39
 cis-1,3-Dichloropropene
 Concen: 219.805 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

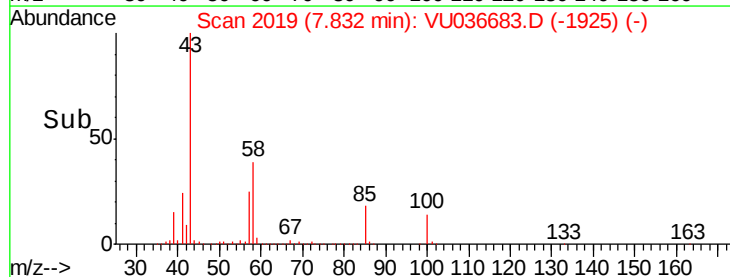
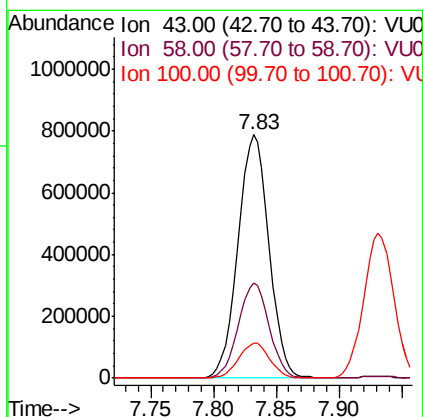
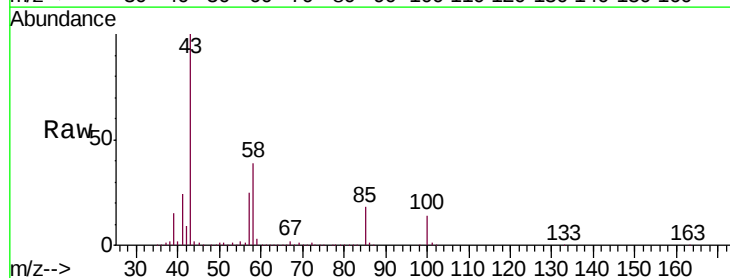
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200105

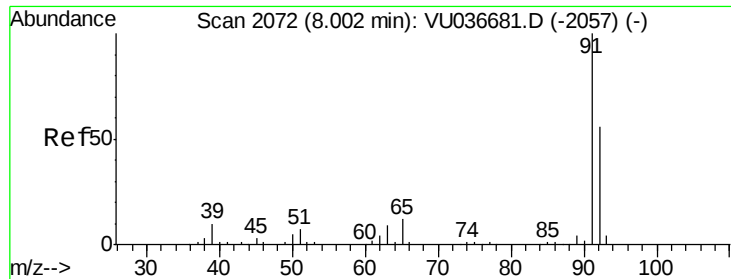
Tgt Ion: 75 Resp: 683603
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 494.716 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

Tgt Ion: 43 Resp: 1352727
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.0 46.6
 100 14.4 11.4 17.2





#42

Toluene

Concen: 202.920 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

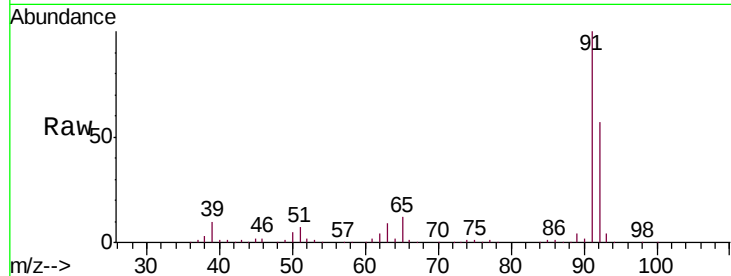
VSTD200105

Tgt Ion: 91 Resp: 1638163

Ion Ratio Lower Upper

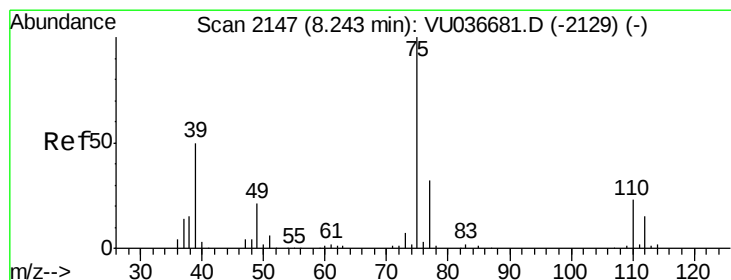
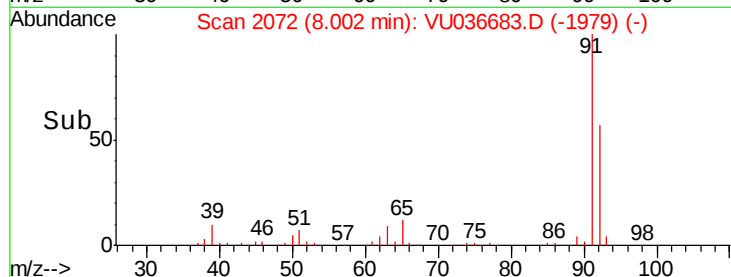
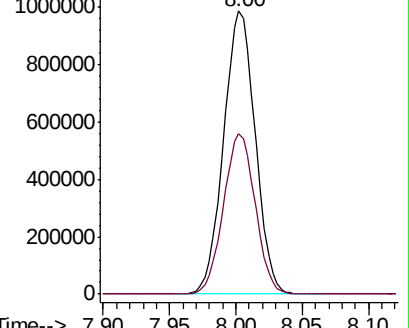
91 100

92 56.8 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036683.D (-1979) (-)

Ion 92.00 (91.70 to 92.70): VU036683.D (-1979) (-)



#44

trans-1,3-Dichloropropene

Concen: 215.421 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036683.D

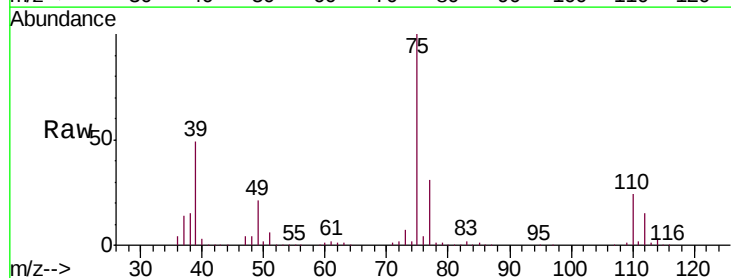
Acq: 06 Feb 2020 13:04

Tgt Ion: 75 Resp: 607988

Ion Ratio Lower Upper

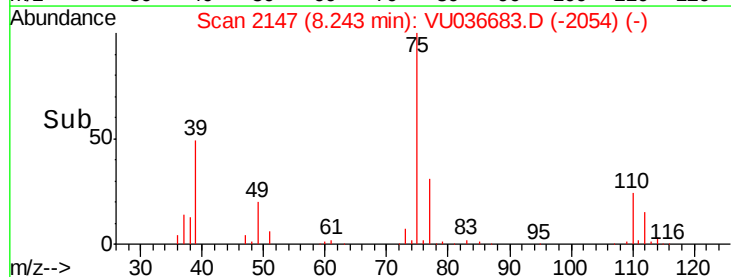
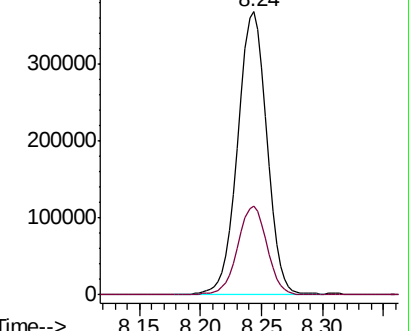
75 100

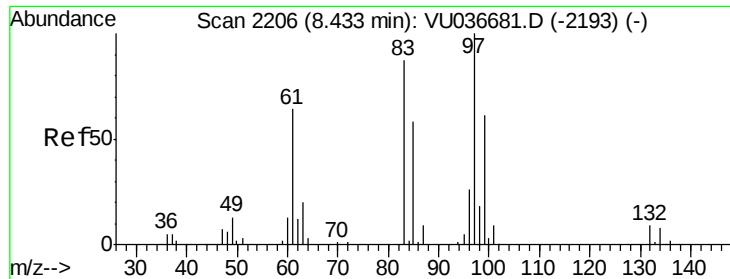
77 31.3 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU036683.D (-2054) (-)

Ion 77.00 (76.70 to 77.70): VU036683.D (-2054) (-)





#45

1,1,2-Trichloroethane

Concen: 189.022 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200105

Tgt Ion: 97 Resp: 371036

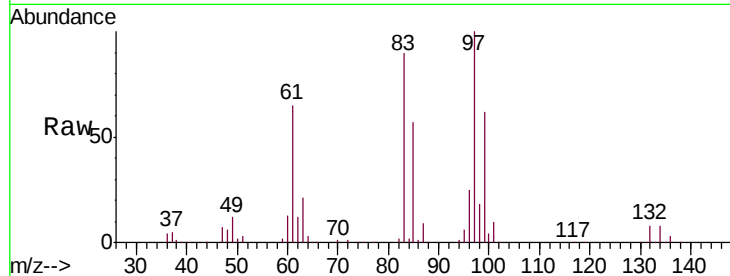
Ion Ratio Lower Upper

97 100

99 62.4 42.6 79.0

83 90.4 61.1 113.5

85 57.2 40.4 75.0

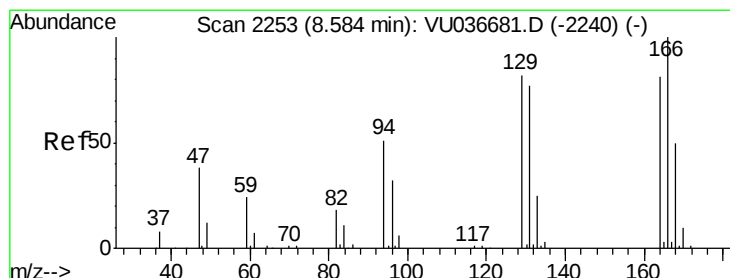
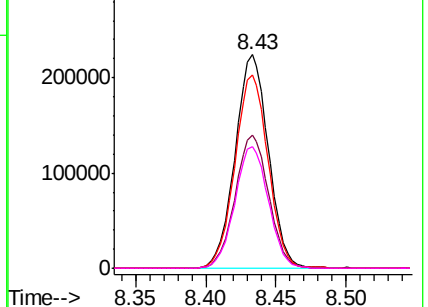
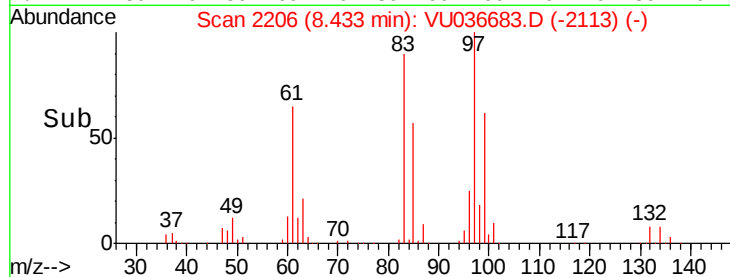


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 165.183 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Tgt Ion: 164 Resp: 253260

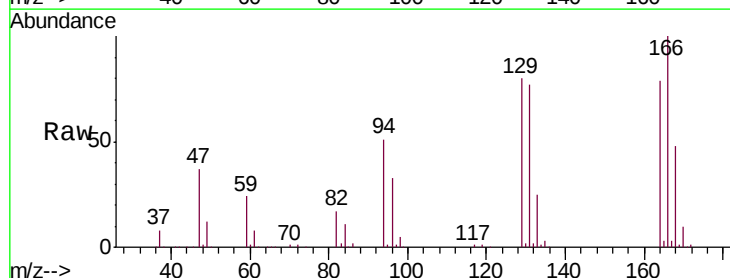
Ion Ratio Lower Upper

164 100

129 101.0 71.0 131.9

131 98.1 66.6 123.6

166 126.8 86.4 160.4

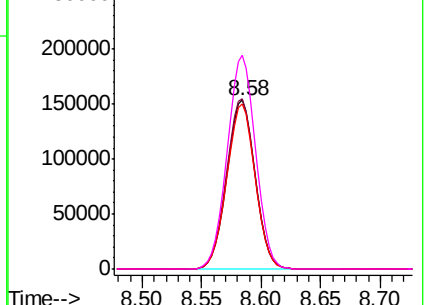
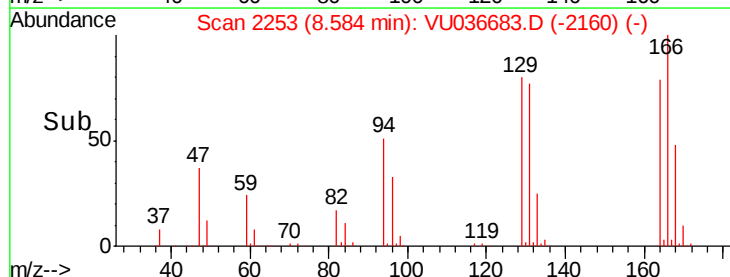


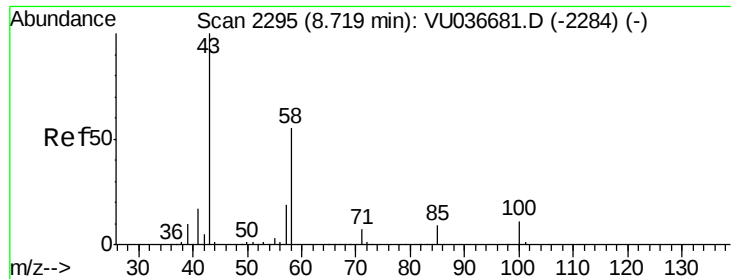
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

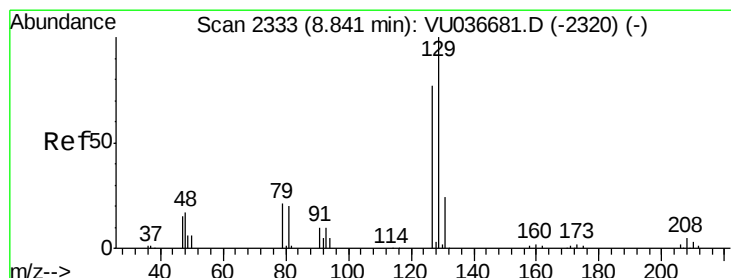
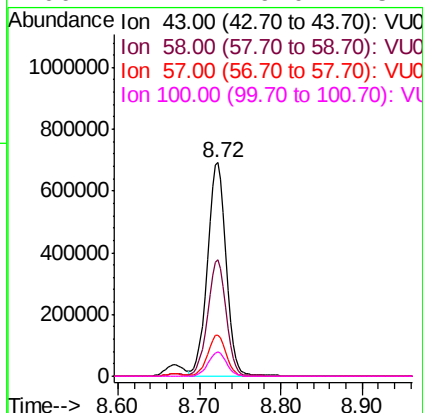
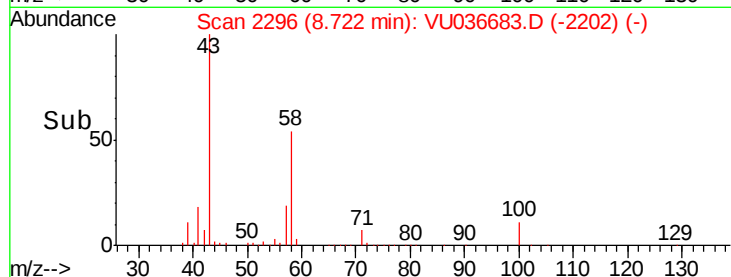
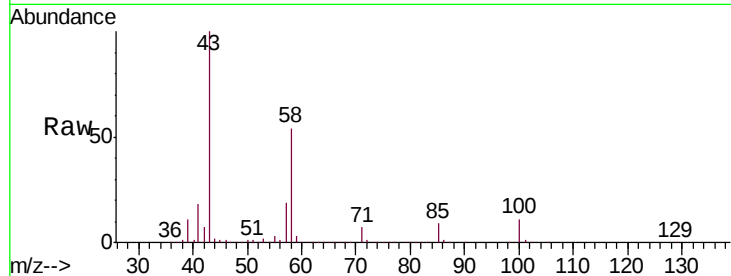




#48
2-Hexanone
Concen: 530.285 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

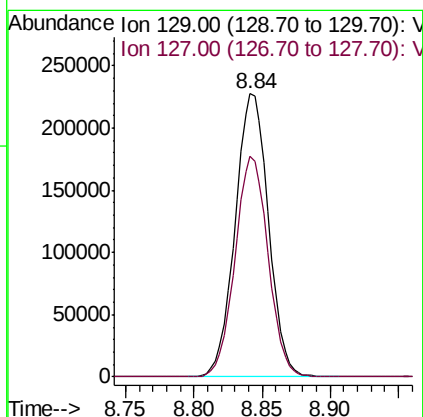
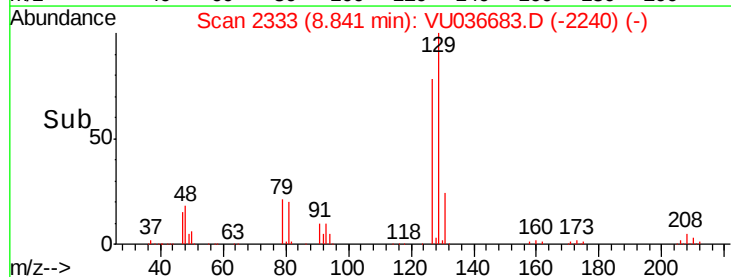
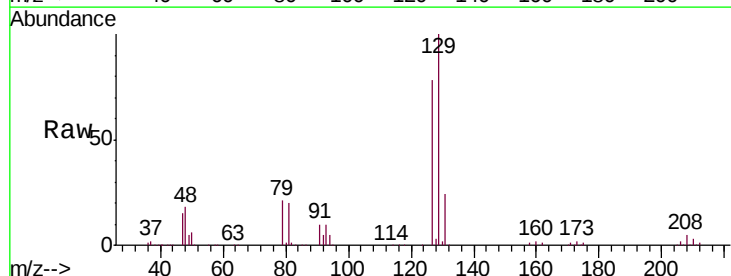
Instrument :
MSVOA_U
ClientSampleId :
VSTD200105

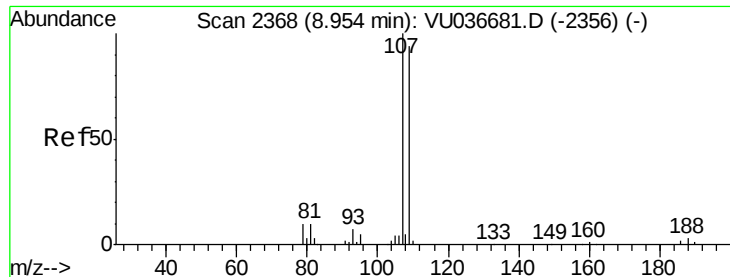
Tgt Ion: 43 Resp: 1116603
Ion Ratio Lower Upper
43 100
58 54.2 43.6 65.4
57 19.1 15.5 23.3
100 11.1 9.0 13.4



#49
Dibromochloromethane
Concen: 180.730 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

Tgt Ion: 129 Resp: 386365
Ion Ratio Lower Upper
129 100
127 77.8 53.6 99.6





#50

1,2-Dibromoethane

Concen: 197.675 ug/L

RT: 8.96 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200105

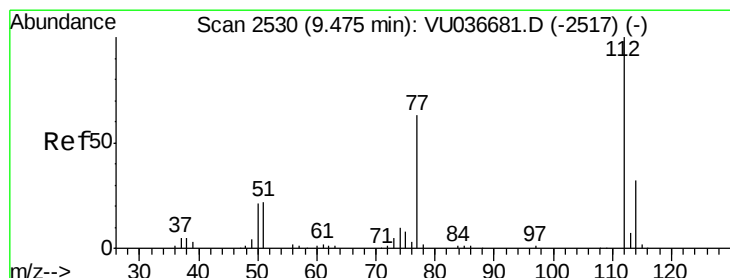
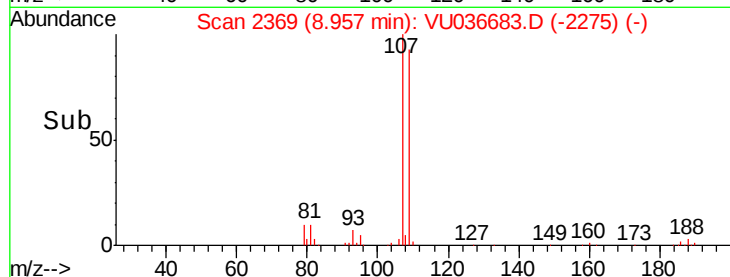
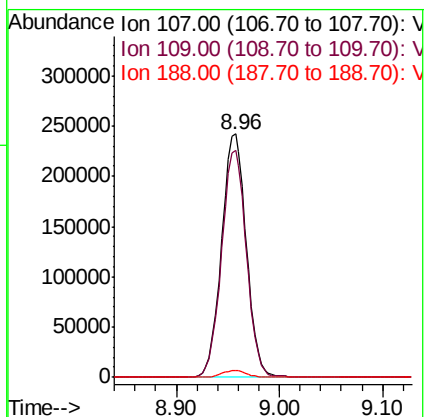
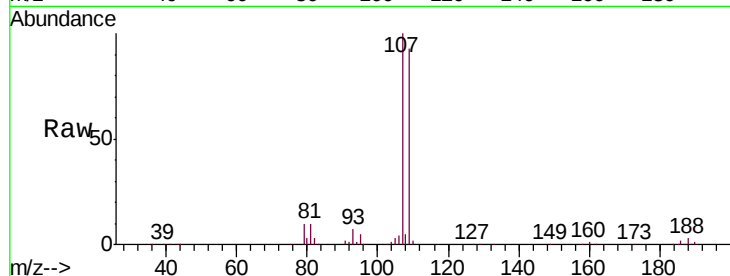
Tgt Ion:107 Resp: 404743

Ion Ratio Lower Upper

107 100

109 93.3 65.8 122.2

188 3.0 2.5 3.7



#51

Chlorobenzene

Concen: 191.038 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

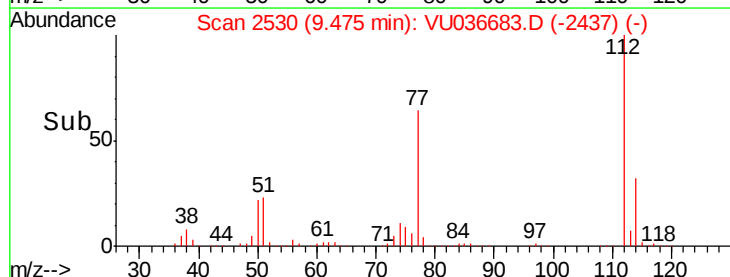
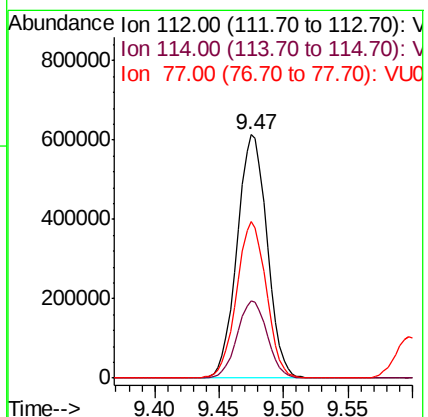
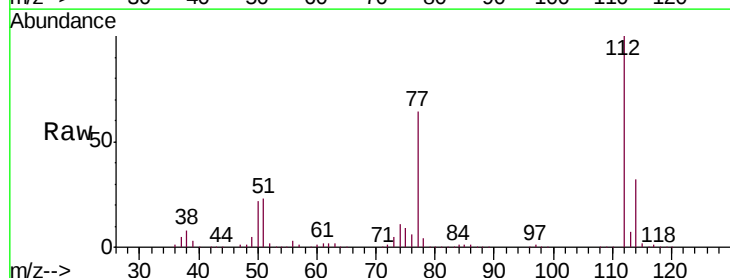
Tgt Ion:112 Resp: 993870

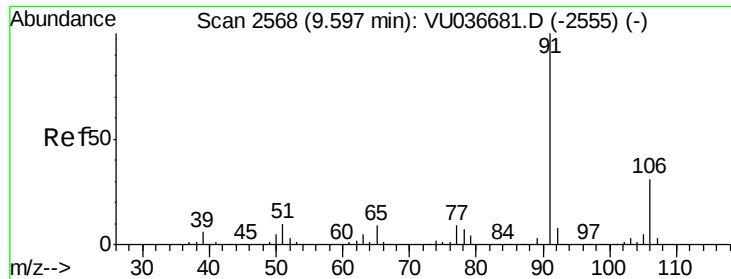
Ion Ratio Lower Upper

112 100

114 31.7 22.7 42.1

77 64.4 50.6 75.8





#52

Ethylbenzene

Concen: 214.520 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

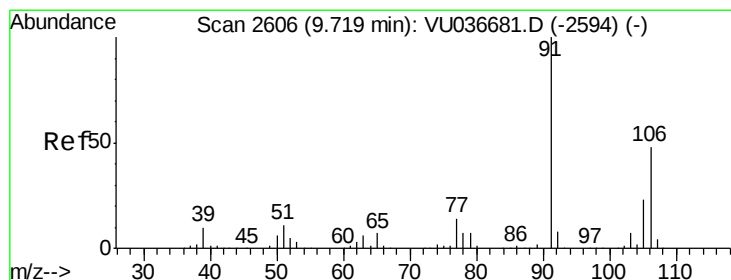
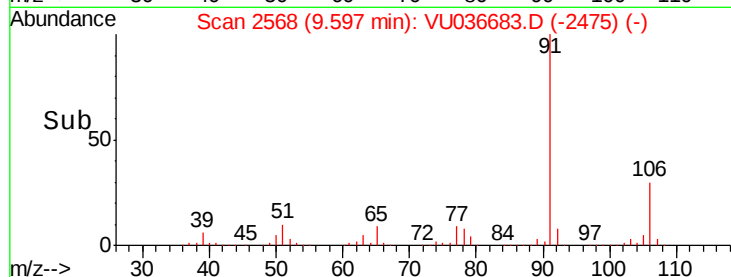
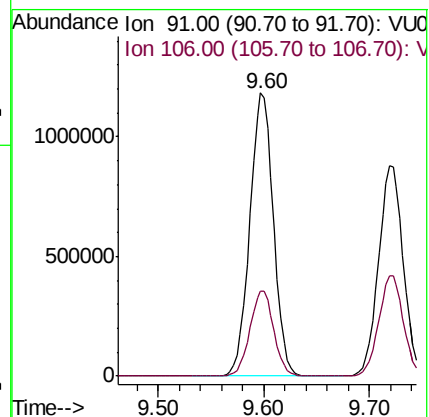
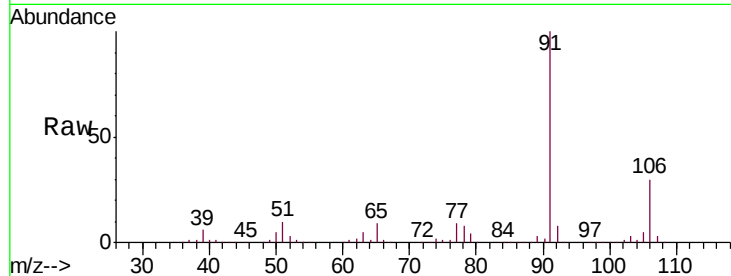
VSTD200105

Tgt Ion: 91 Resp: 1837097

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



#53

m,p-Xylene

Concen: 214.224 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036683.D

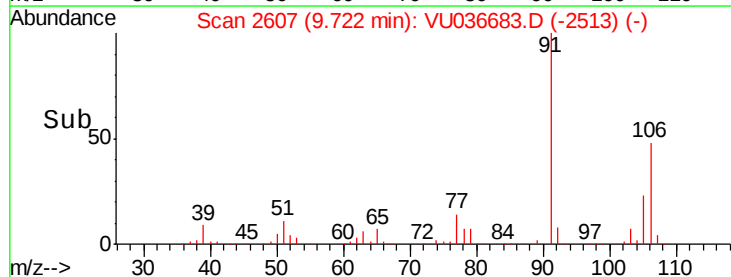
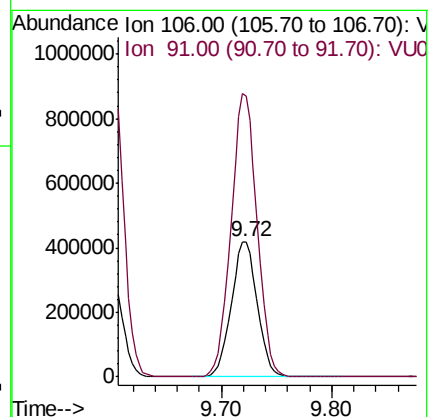
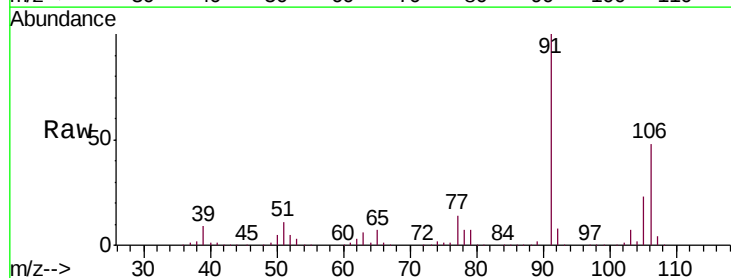
Acq: 06 Feb 2020 13:04

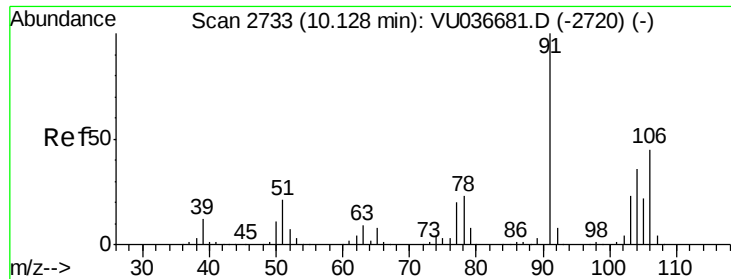
Tgt Ion: 106 Resp: 681263

Ion Ratio Lower Upper

106 100

91 207.6 145.9 270.9

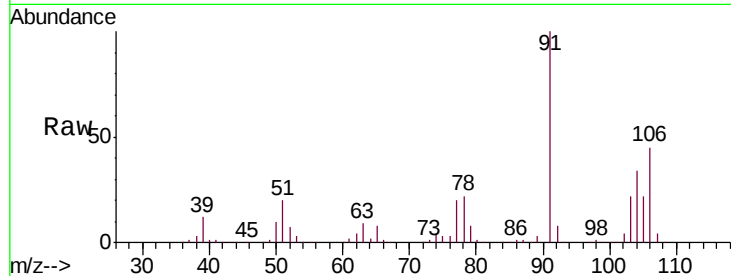




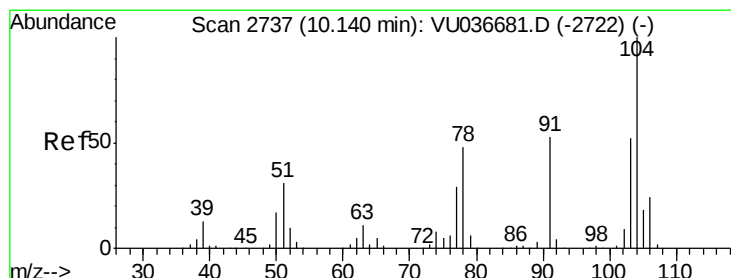
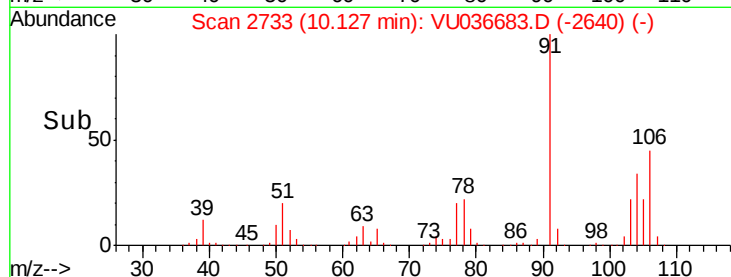
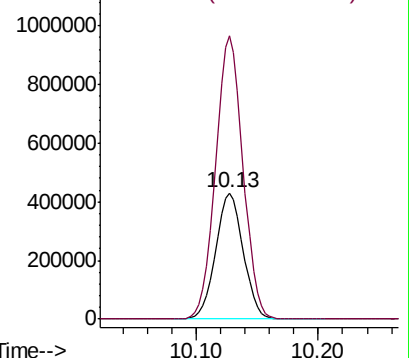
#54
o-xylene
Concen: 216.173 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD200105

Tgt Ion:106 Resp: 676927
Ion Ratio Lower Upper
106 100
91 223.7 156.0 289.6

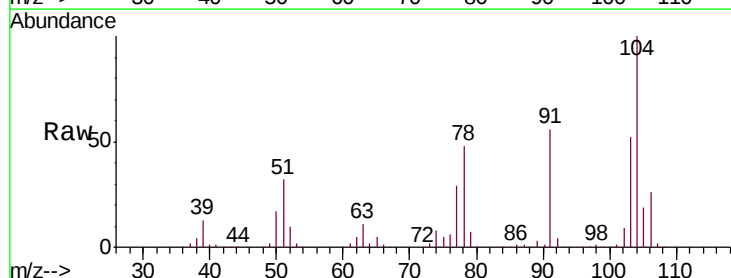


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

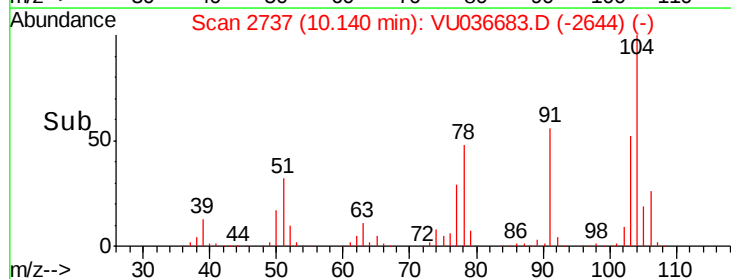
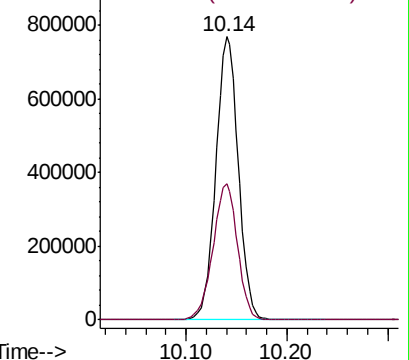


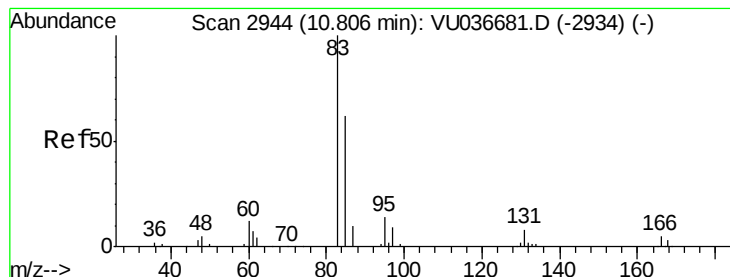
#55
Styrene
Concen: 226.236 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

Tgt Ion:104 Resp: 1196365
Ion Ratio Lower Upper
104 100
78 48.0 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 213.057 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200105

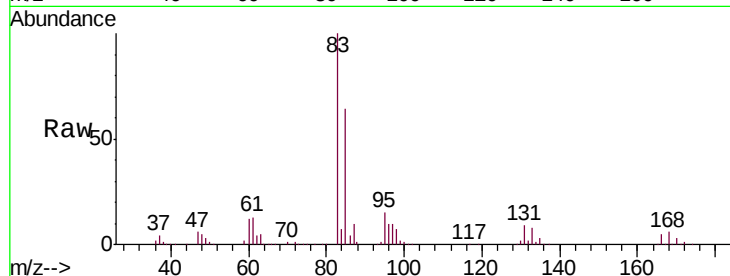
Tgt Ion: 83 Resp: 709875

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9

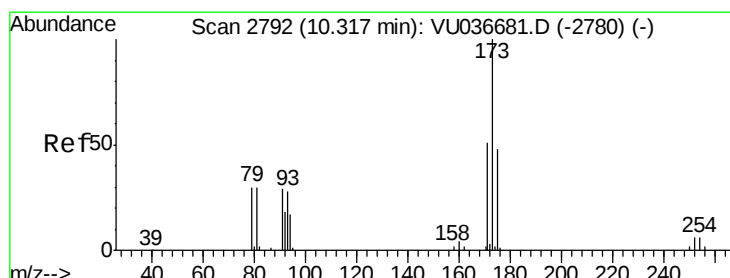
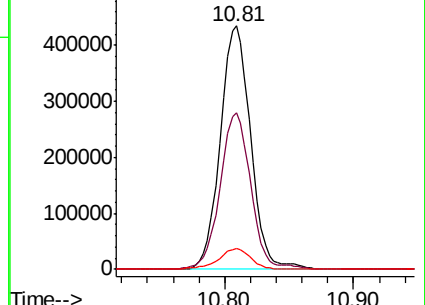
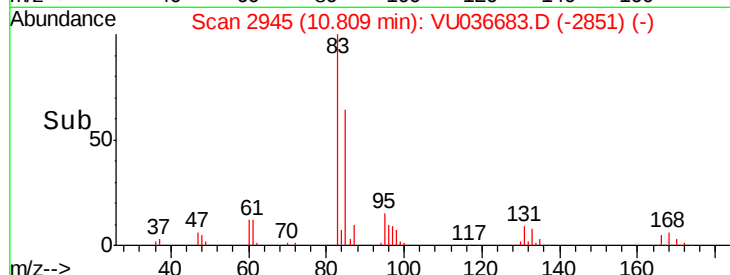
131 8.5 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU036683.D (-2945) (-)

Ion 85.00 (84.70 to 85.70): VU036683.D (-2945) (-)

Ion 131.00 (130.70 to 131.70): VU036683.D (-2945) (-)



#59

Bromoform

Concen: 187.995 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

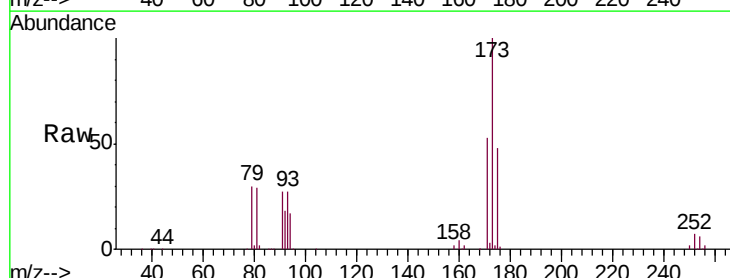
Tgt Ion: 173 Resp: 287268

Ion Ratio Lower Upper

173 100

175 47.5 38.2 57.4

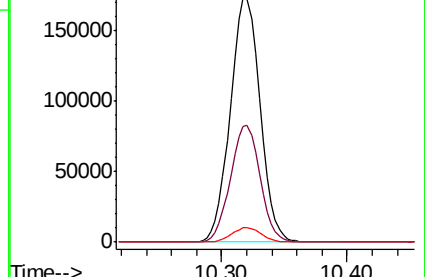
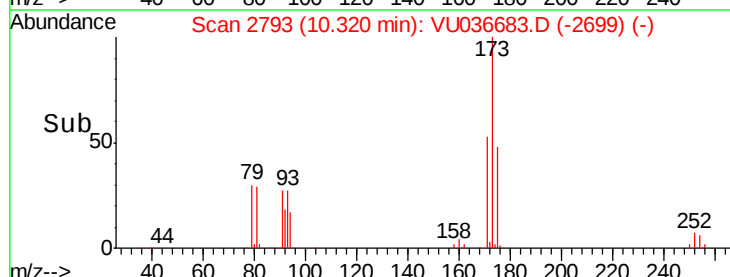
254 5.9 4.8 7.2

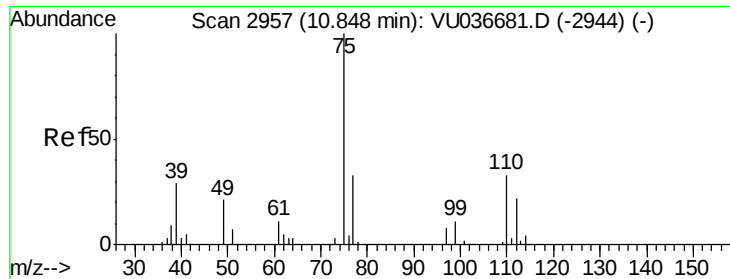


Abundance Ion 173.00 (172.70 to 173.70): VU036683.D (-2793) (-)

Ion 175.00 (174.70 to 175.70): VU036683.D (-2793) (-)

Ion 254.00 (253.70 to 254.70): VU036683.D (-2793) (-)

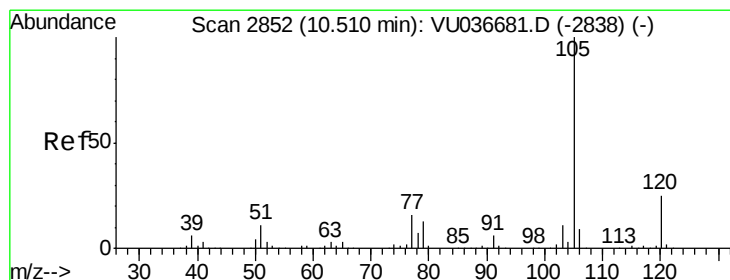
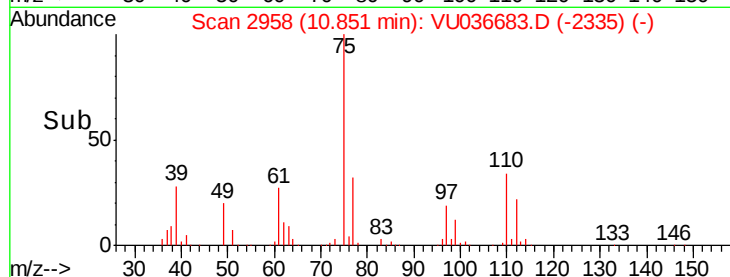
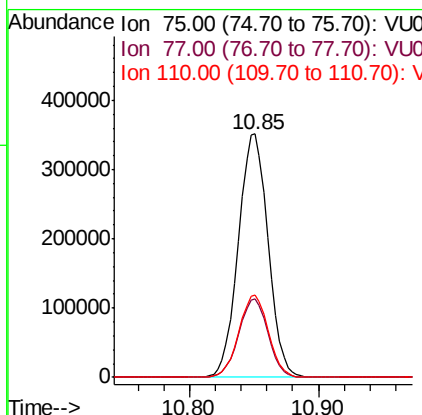
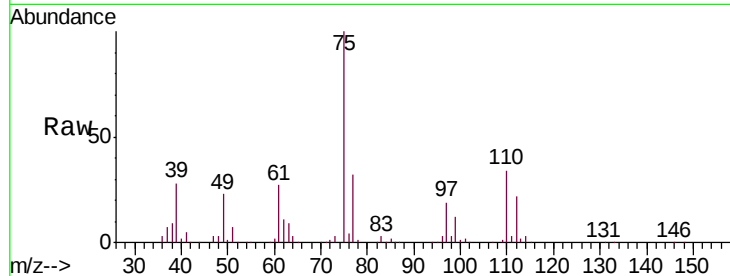




#60
 1,2,3-Trichloropropane
 Concen: 220.878 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

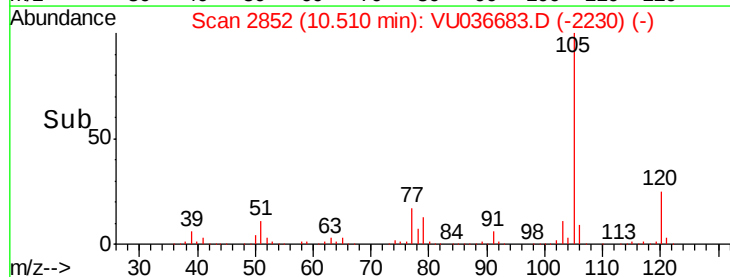
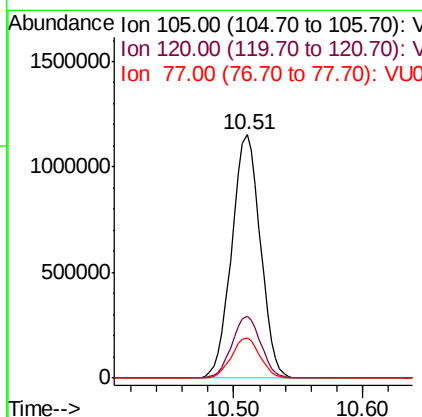
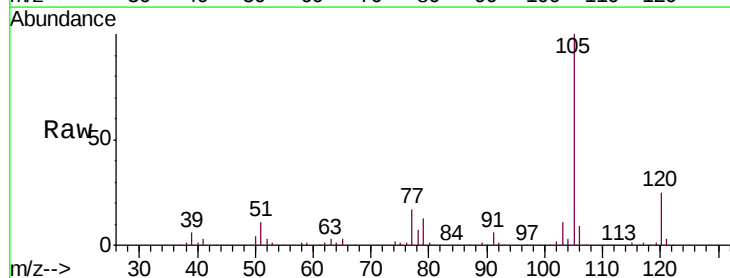
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200105

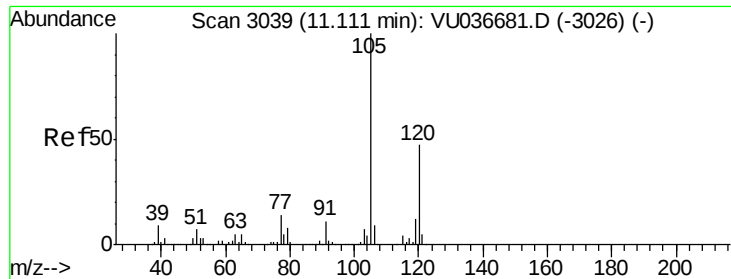
Tgt Ion: 75 Resp: 562695
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.1 39.1
 110 33.6 26.9 40.3



#61
 Isopropylbenzene
 Concen: 227.520 ug/L
 RT: 10.51 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

Tgt Ion: 105 Resp: 1778932
 Ion Ratio Lower Upper
 105 100
 120 25.6 20.2 30.4
 77 16.5 13.0 19.6

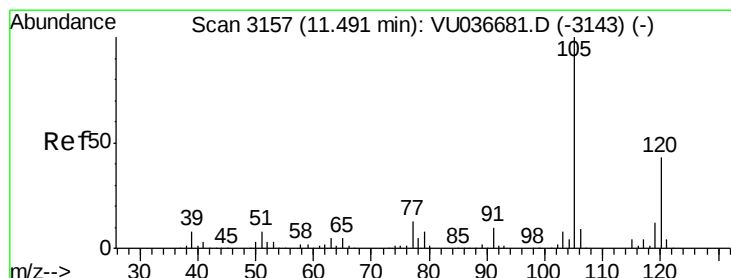
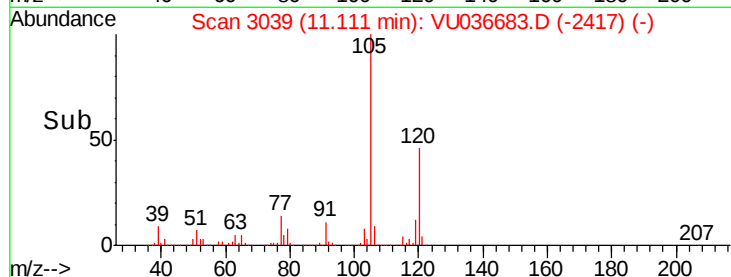
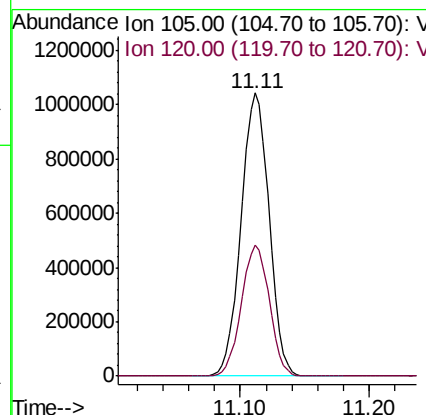
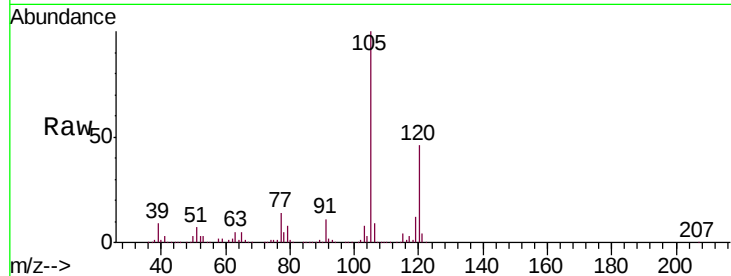




#62
 1,3,5-Trimethylbenzene
 Concen: 245.899 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

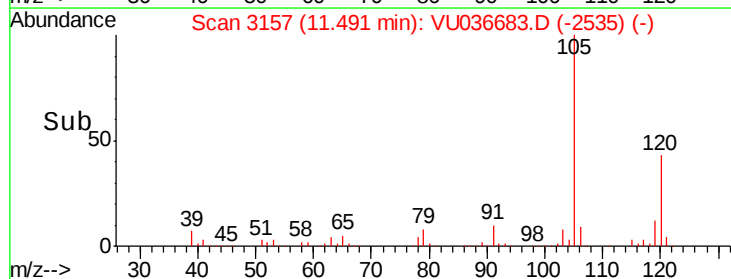
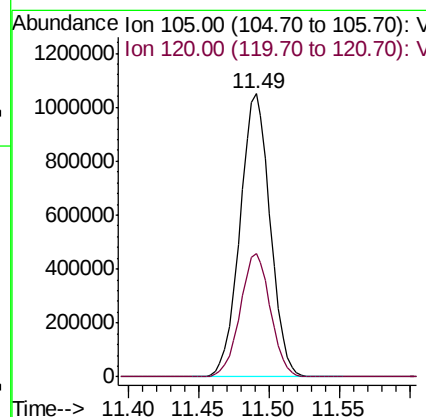
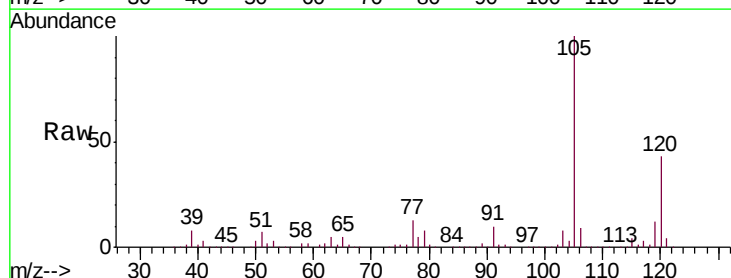
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200105

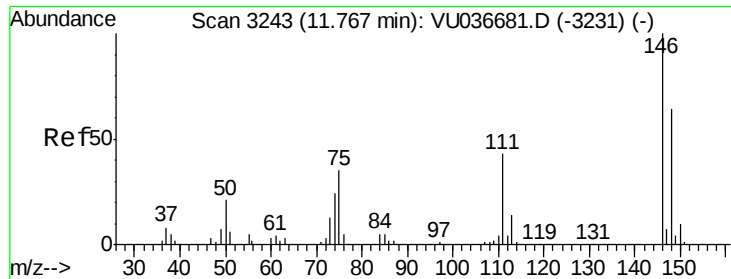
Tgt Ion:105 Resp: 1569861
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 248.780 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

Tgt Ion:105 Resp: 1572893
 Ion Ratio Lower Upper
 105 100
 120 43.6 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 204.116 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD200105

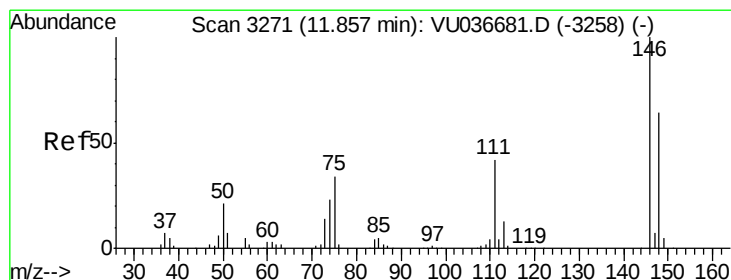
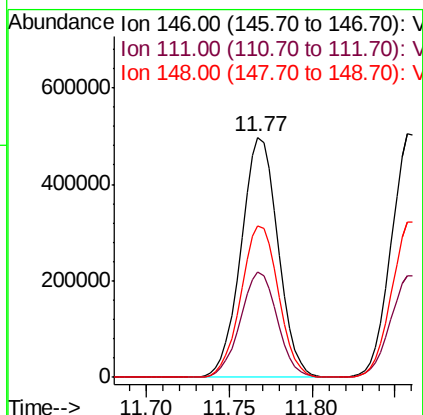
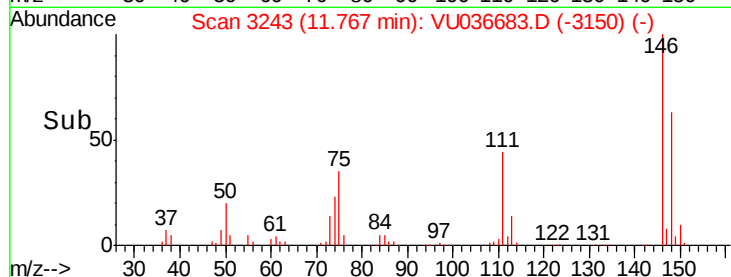
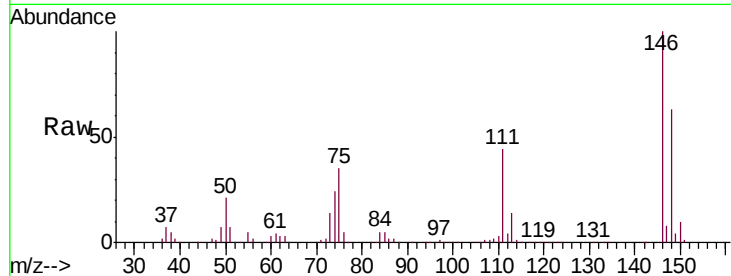
Tgt Ion:146 Resp: 771850

Ion Ratio Lower Upper

146 100

111 43.8 30.4 56.4

148 63.2 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 201.090 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036683.D

Acq: 06 Feb 2020 13:04

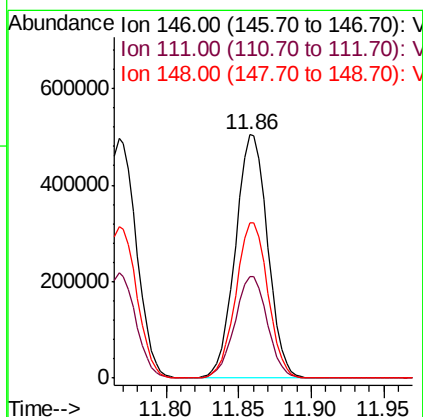
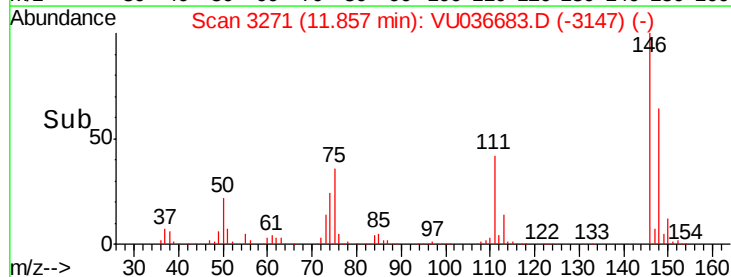
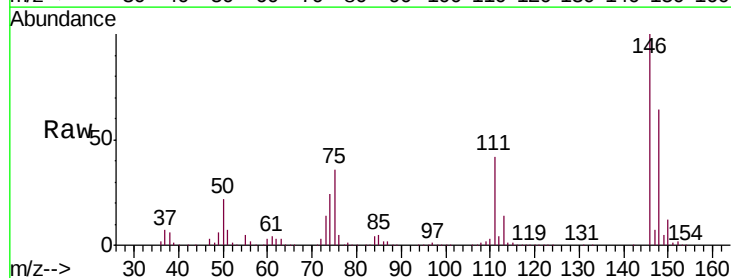
Tgt Ion:146 Resp: 777288

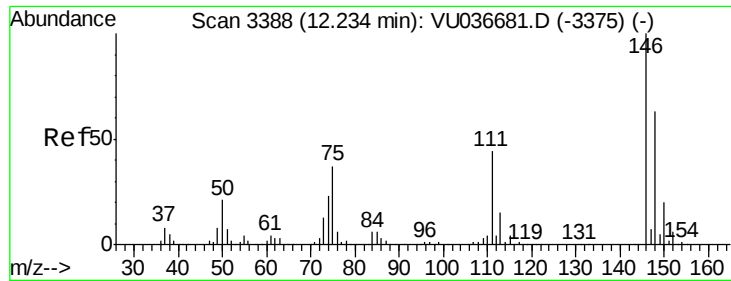
Ion Ratio Lower Upper

146 100

111 41.9 29.3 54.3

148 63.7 44.8 83.2

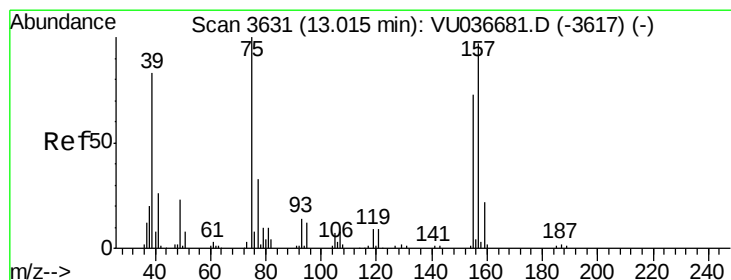
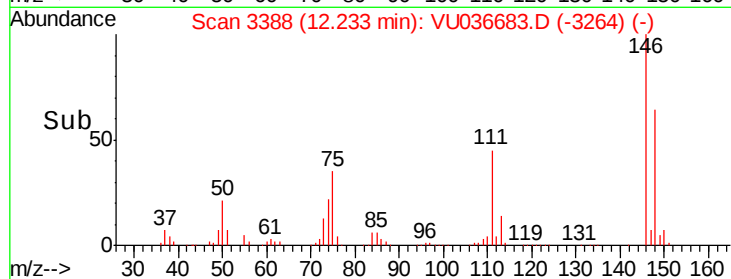
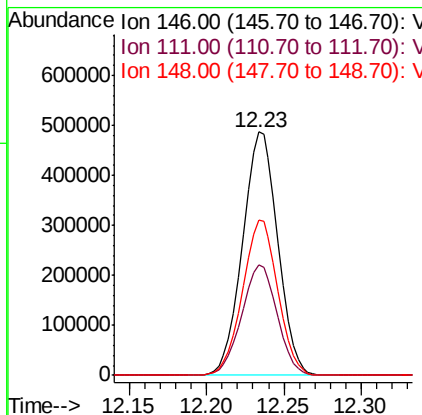
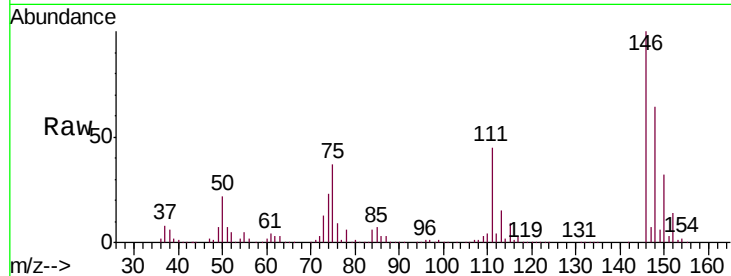




#67
 1,2-Dichlorobenzene
 Concen: 200.363 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

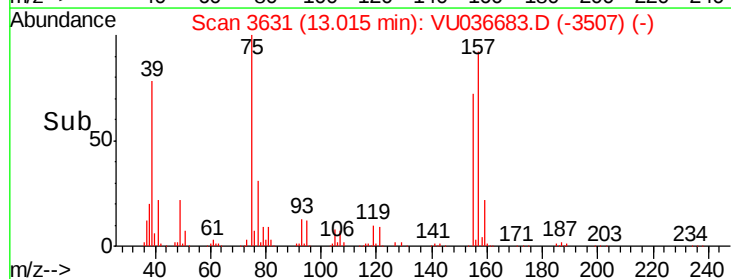
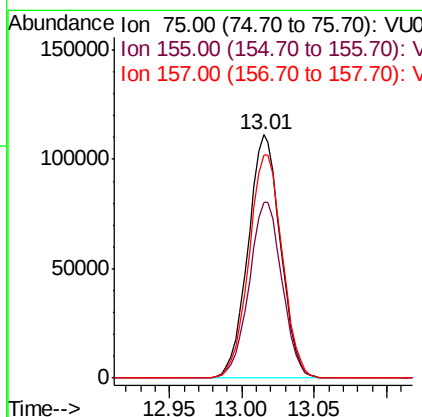
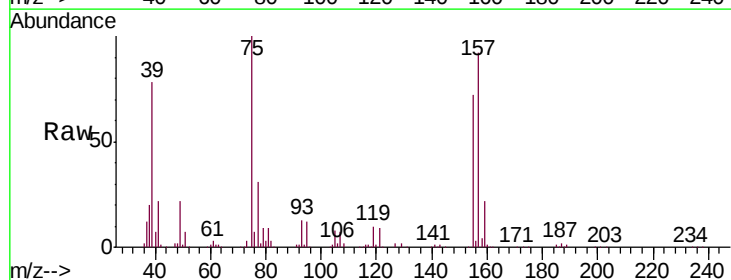
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200105

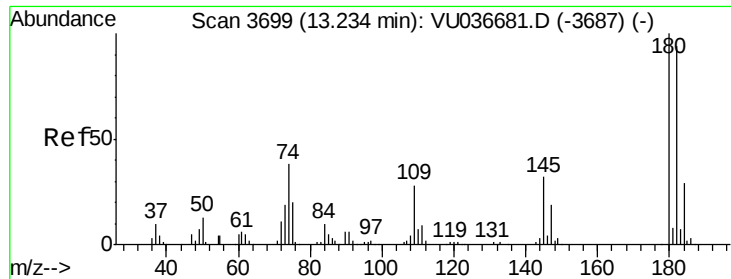
Tgt Ion: 146 Resp: 770629
 Ion Ratio Lower Upper
 146 100
 111 45.3 35.4 53.0
 148 63.6 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 242.502 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

Tgt Ion: 75 Resp: 173848
 Ion Ratio Lower Upper
 75 100
 155 72.4 58.7 88.1
 157 91.9 77.8 116.6

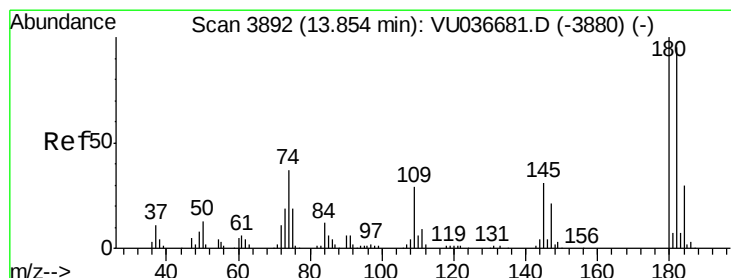
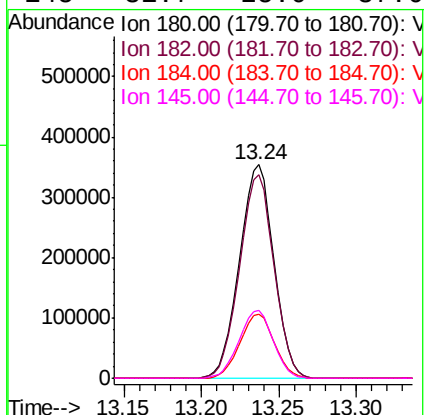
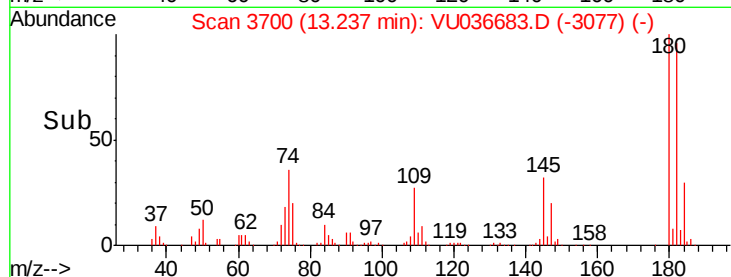
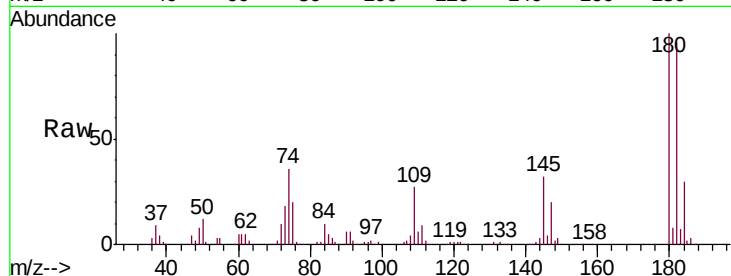




#69
 1,3,5-Trichlorobenzene
 Concen: 194.545 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

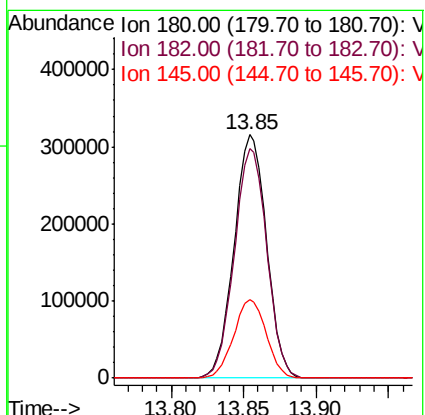
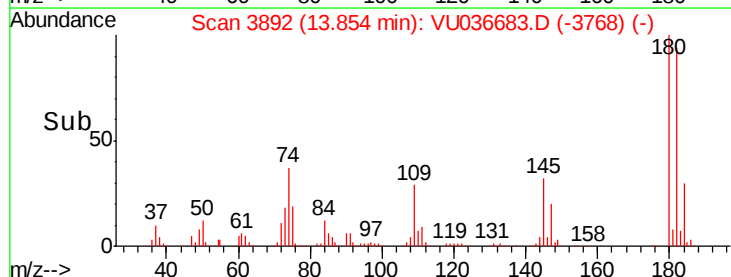
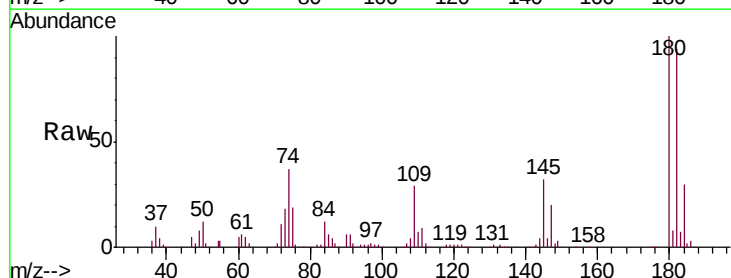
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200105

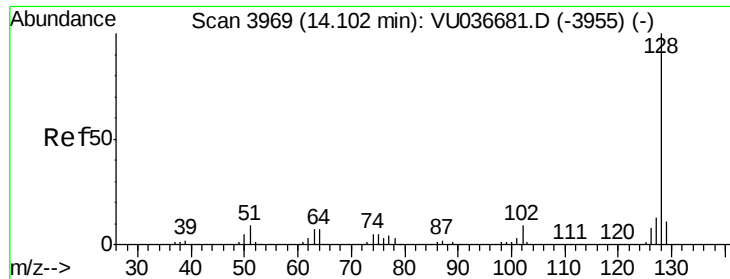
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
184	30.1	23.8	35.6
145	31.7	25.0	37.6



#70
 1,2,4-trichlorobenzene
 Concen: 211.199 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU036683.D
 Acq: 06 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.1	114.1
145	32.3	25.7	38.5

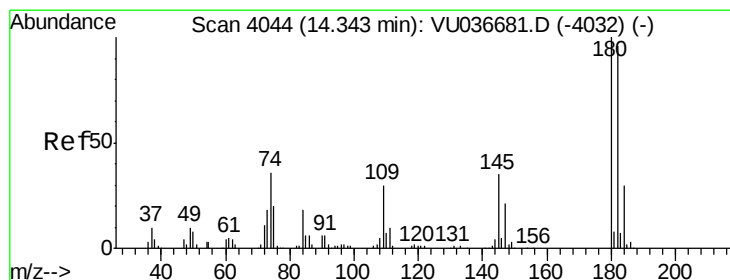
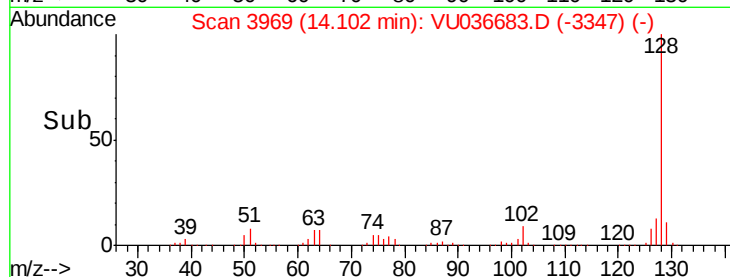
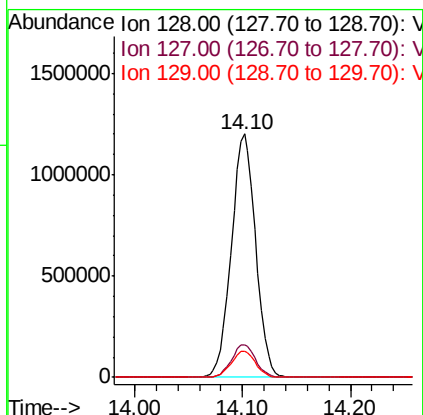
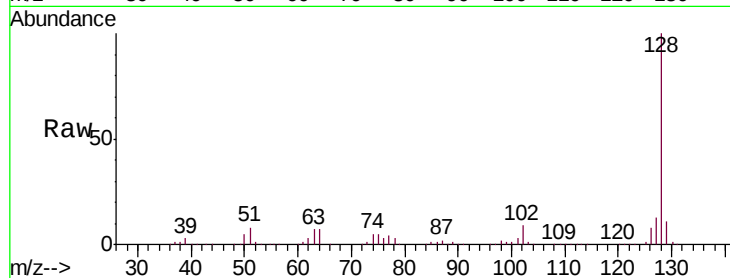




#71
Naphthalene
Concen: 262.847 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. -0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD200105

Tgt Ion:128 Resp: 1880118
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.8 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 199.250 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. -0.00 min
Lab File: VU036683.D
Acq: 06 Feb 2020 13:04

Tgt Ion:180 Resp: 477715
Ion Ratio Lower Upper
180 100
182 94.2 76.8 115.2
145 33.8 27.5 41.3

